

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMARK

Report Number: P188105

Luminaire Tested: **QDCAST1B (4PANELS 30°TILT)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188105
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P92793)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: QDCAST1B (4PANELS 30°TILT)
Description: LUMARK QUADCAST PARKING GARAGE/CANOPY FIXTURE W/4 ROTATING OPTICAL LIGHT PANELS
Light Source: (4) 4000K SMT LED OPTICAL PANELS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5184.1 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.23')
IES Classification: Type V - Medium - Non-Cutoff
BUG Rating: B3 - U3 - G3

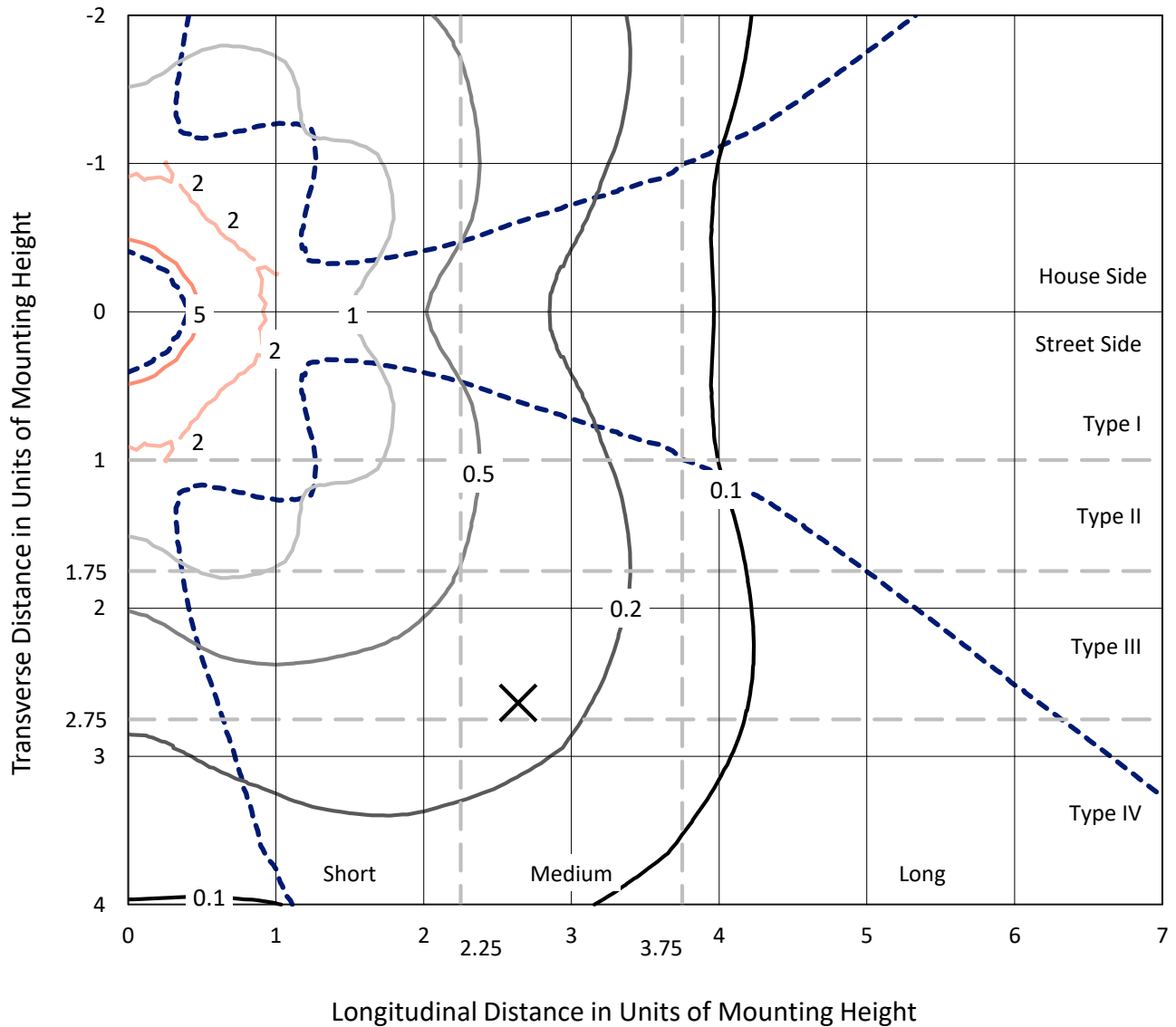
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

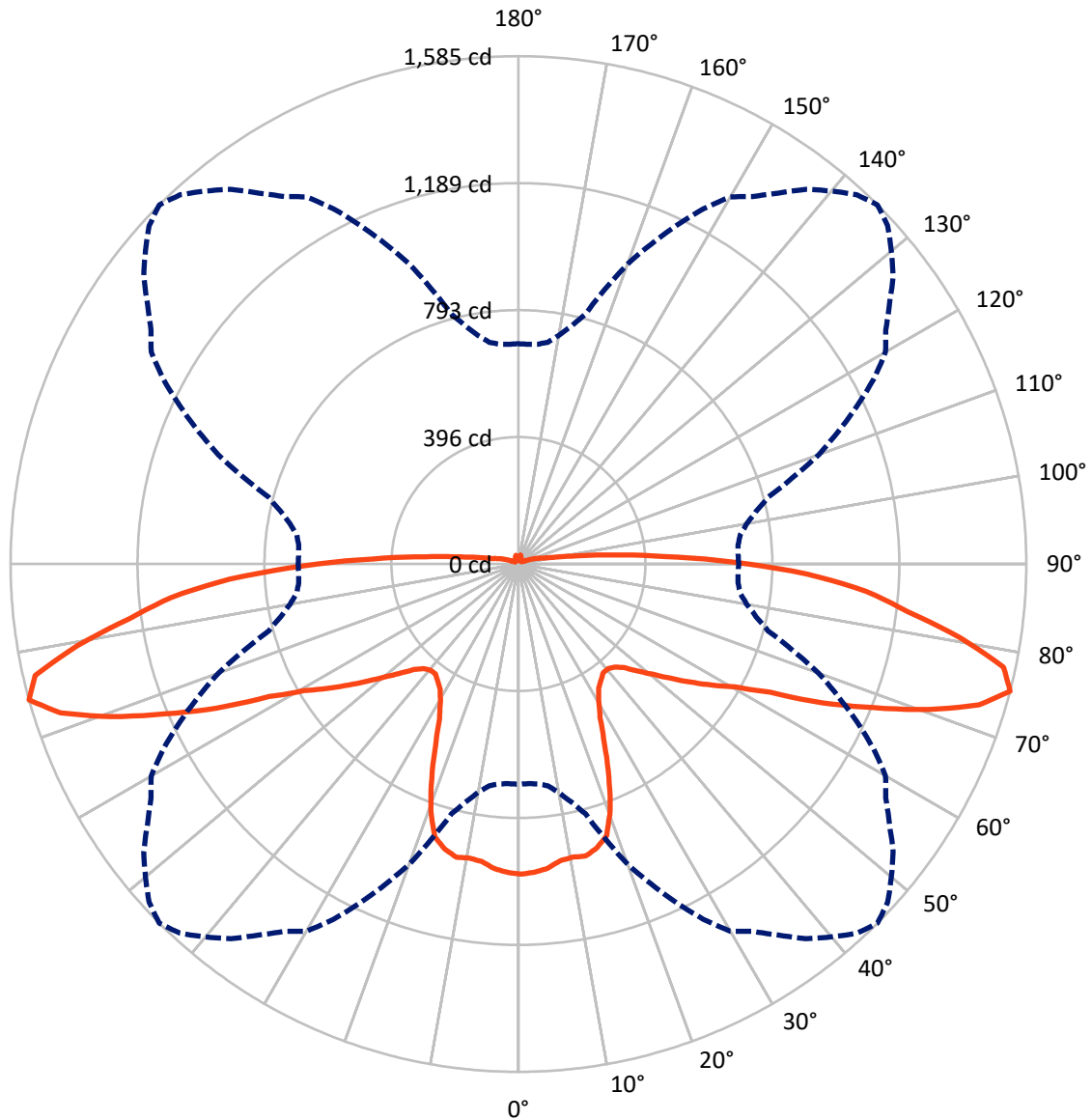
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.7 fc
 Type V - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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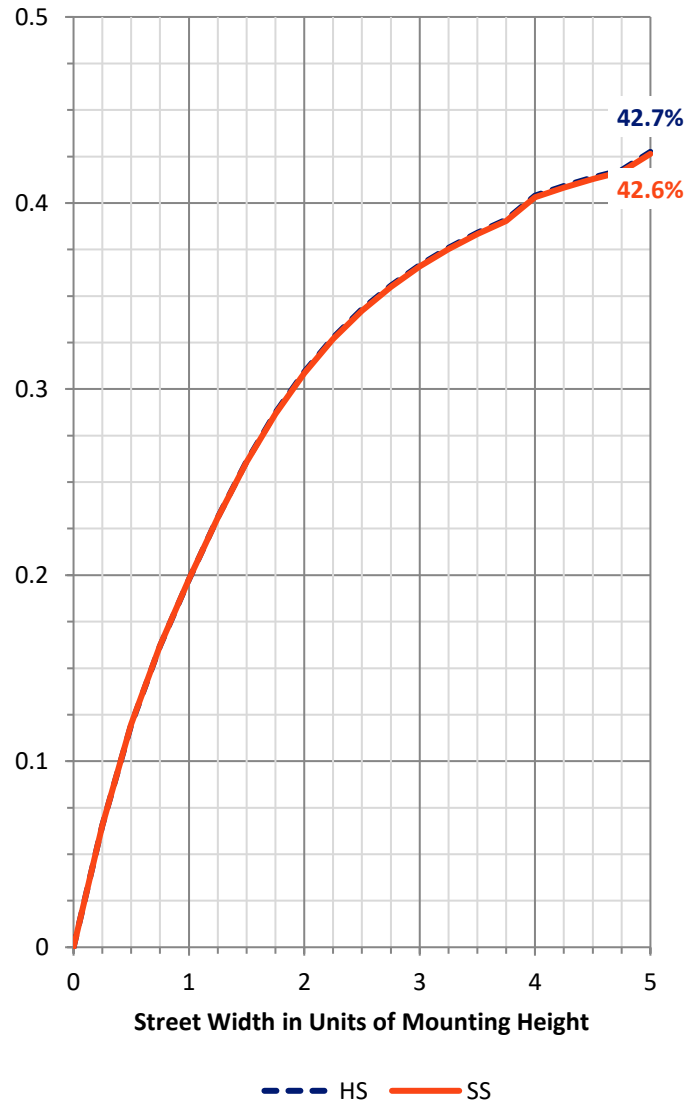
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2413.4	178.6	2592.1
	% Fixture	46.6	3.4	50.0
Street Side	Lumens	2413.4	178.6	2592.1
	% Fixture	46.6	3.4	50.0
Total	Lumens	4826.8	357.3	5184.1
	% Fixture	93.1	6.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	1.7
10°-20°	254.4	4.9
20°-30°	304.7	5.9
30°-40°	301.5	5.8
40°-50°	412.0	7.9
50°-60°	678.3	13.1
60°-70°	930.6	18.0
70°-80°	1097.1	21.2
80°-90°	757.7	14.6
90°-100°	223.0	4.3
100°-110°	57.5	1.1
110°-120°	26.1	0.5
120°-130°	13.0	0.2
130°-140°	9.6	0.2
140°-150°	8.9	0.2
150°-160°	10.0	0.2
160°-170°	7.2	0.1
170°-180°	2.1	0.0
0°-90°	4826.8	93.1
0°-180°	5184.1	100.0



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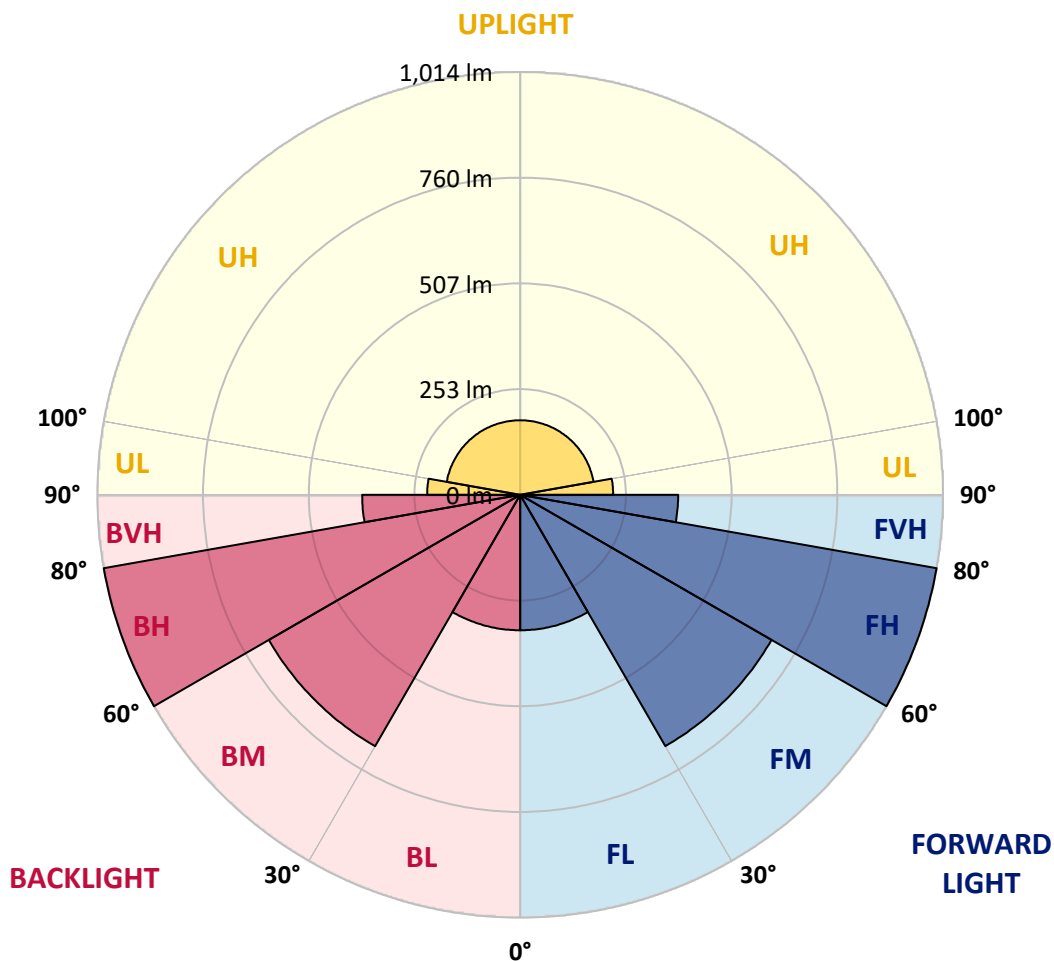
CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	324.8	6.3			
FM	(30°-60°)	695.9	13.4			
FH	(60°-80°)	1013.9	19.6			G1/1800
FVH	(80°-90°)	378.9	7.3			G3/500
BL	(0°-30°)	324.8	6.3	B1/500		
BM	(30°-60°)	695.9	13.4	B1/1000		
BH	(60°-80°)	1013.9	19.6	B3/2500		G1/1800
BVH	(80°-90°)	378.9	7.3			G3/500
UL	(90°-100°)	223.0	4.3		U3/500	
UH	(100°-180°)	178.6	3.4		U3/500	

BUG Rating: B3-U3-G3

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8
2.5°	965.5	964.3	964.3	965.5	964.3	964.3	964.3	963.1	963.1	965.5	964.3
5°	958.5	957.3	957.3	957.3	956.1	955.0	957.3	956.1	956.1	955.0	955.0
7.5°	949.1	949.1	949.1	949.1	947.9	946.8	945.6	944.4	944.4	942.1	940.9
10°	949.1	947.9	949.1	947.9	947.9	944.4	940.9	939.8	937.4	936.3	933.9
12.5°	939.8	937.4	937.4	937.4	933.9	933.9	931.6	928.1	924.6	924.6	924.6
15°	919.9	921.1	922.2	921.1	917.6	914.0	912.9	910.5	909.4	910.5	912.9
17.5°	893.0	890.7	889.5	888.3	886.0	883.7	881.3	877.8	876.6	877.8	877.8
20°	846.3	841.6	838.1	835.7	832.2	825.2	821.7	819.4	814.7	813.5	813.5
22.5°	783.1	779.6	779.6	773.8	764.4	757.4	750.4	743.4	738.7	730.5	725.9
25°	721.2	718.8	716.5	707.2	697.8	688.5	675.6	663.9	652.2	644.0	637.0
27.5°	651.1	648.7	642.9	637.0	626.5	617.2	605.5	594.9	584.4	576.2	569.2
30°	586.8	586.8	582.1	577.4	572.7	564.6	556.4	547.0	537.7	530.7	520.1
32.5°	542.3	542.3	543.5	541.2	535.3	528.3	520.1	514.3	504.9	495.6	486.2
35°	503.8	503.8	503.8	501.4	499.1	494.4	489.8	486.2	481.6	479.2	471.0
37.5°	476.9	473.4	473.4	471.0	471.0	469.9	471.0	474.6	473.4	471.0	465.2
40°	476.9	475.7	467.5	459.4	464.0	472.2	475.7	476.9	474.6	471.0	465.2
42.5°	495.6	494.4	488.6	493.3	496.8	504.9	506.1	500.3	494.4	489.8	486.2
45°	515.5	513.1	530.7	545.9	561.1	566.9	565.7	558.7	549.4	538.8	530.7
47.5°	513.1	536.5	565.7	593.8	619.5	638.2	647.5	646.4	639.4	620.7	598.5
50°	538.8	540.0	575.1	620.7	660.4	704.8	728.2	739.9	741.1	731.7	699.0
52.5°	559.9	563.4	576.2	624.2	686.1	748.1	794.8	834.6	845.1	828.7	800.7
55°	586.8	590.3	605.5	638.2	704.8	773.8	842.7	901.2	930.4	931.6	902.4
57.5°	605.5	611.3	635.9	674.4	724.7	797.2	870.8	932.7	983.0	1001.7	1002.9
60°	591.4	604.3	638.2	683.8	739.9	808.8	883.7	949.1	1002.9	1030.9	1047.3
62.5°	580.9	594.9	631.2	682.6	744.6	818.2	891.8	965.5	1000.5	1035.6	1063.7
65°	558.7	570.4	609.0	668.6	738.7	820.5	901.2	964.3	1002.9	1040.3	1075.3
67.5°	523.6	531.8	573.9	634.7	715.3	806.5	886.0	949.1	1001.7	1052.0	1089.4
70°	528.3	533.0	559.9	613.6	686.1	773.8	855.6	923.4	999.4	1061.3	1109.2
72.5°	614.8	614.8	618.3	645.2	693.1	760.9	826.4	911.7	1002.9	1078.9	1153.7
75°	687.3	686.1	688.5	697.8	723.5	759.8	806.5	897.7	997.0	1080.0	1165.4
77.5°	675.6	674.4	672.1	673.3	685.0	703.7	750.4	819.4	907.0	995.9	1095.2
80°	617.2	619.5	620.7	624.2	628.8	634.7	667.4	706.0	775.0	853.3	953.8
82.5°	549.4	551.7	556.4	564.6	570.4	576.2	591.4	611.3	652.2	710.7	797.2
85°	489.8	494.4	496.8	504.9	510.8	517.8	526.0	534.2	545.9	583.3	647.5
87.5°	403.3	403.3	406.8	422.0	433.6	440.7	446.5	452.3	465.2	494.4	519.0
90°	264.2	273.5	279.4	295.7	308.6	317.9	330.8	341.3	351.8	364.7	388.1
92.5°	176.5	175.3	173.0	184.7	194.0	202.2	215.1	229.1	238.4	244.3	268.8
95°	86.5	86.5	87.7	99.4	108.7	115.7	128.6	143.8	155.5	164.8	177.7
97.5°	56.1	56.1	56.1	60.8	65.5	69.0	76.0	91.2	100.5	105.2	114.5
100°	50.3	49.1	49.1	51.4	52.6	52.6	58.4	66.6	73.6	78.3	84.2
102.5°	43.2	44.4	44.4	44.4	45.6	45.6	47.9	52.6	59.6	63.1	67.8
105°	42.1	40.9	39.7	40.9	39.7	40.9	43.2	45.6	49.1	51.4	56.1
107.5°	37.4	36.2	36.2	36.2	37.4	37.4	38.6	39.7	42.1	44.4	44.4
110°	32.7	33.9	33.9	32.7	33.9	35.1	35.1	36.2	36.2	36.2	37.4



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CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	29.2	28.1	28.1	29.2	30.4	31.6	31.6	32.7	32.7	32.7	33.9
115°	30.4	29.2	29.2	29.2	29.2	29.2	29.2	28.1	26.9	25.7	25.7
117.5°	23.4	23.4	23.4	22.2	22.2	23.4	22.2	22.2	21.0	19.9	18.7
120°	16.4	17.5	17.5	17.5	16.4	16.4	17.5	18.7	17.5	17.5	16.4
122.5°	16.4	15.2	15.2	14.0	14.0	14.0	15.2	16.4	15.2	15.2	14.0
125°	16.4	16.4	15.2	14.0	14.0	15.2	14.0	15.2	14.0	15.2	14.0
127.5°	14.0	14.0	15.2	14.0	14.0	15.2	14.0	12.9	12.9	12.9	12.9
130°	16.4	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.9	12.9	14.0
132.5°	15.2	15.2	14.0	14.0	14.0	14.0	12.9	11.7	12.9	12.9	12.9
135°	15.2	14.0	15.2	15.2	12.9	11.7	10.5	10.5	10.5	10.5	10.5
137.5°	14.0	15.2	14.0	14.0	14.0	12.9	10.5	10.5	9.4	10.5	10.5
140°	14.0	15.2	14.0	14.0	12.9	12.9	12.9	12.9	11.7	9.4	9.4
142.5°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	11.7	12.9	11.7
145°	14.0	15.2	16.4	14.0	14.0	12.9	14.0	14.0	14.0	15.2	14.0
147.5°	16.4	16.4	15.2	15.2	15.2	15.2	14.0	15.2	16.4	17.5	17.5
150°	18.7	18.7	19.9	18.7	18.7	18.7	19.9	19.9	18.7	18.7	18.7
152.5°	23.4	23.4	22.2	21.0	21.0	22.2	22.2	21.0	19.9	19.9	18.7
155°	24.5	24.5	25.7	25.7	24.5	24.5	22.2	23.4	23.4	22.2	21.0
157.5°	26.9	26.9	25.7	26.9	25.7	24.5	24.5	24.5	24.5	25.7	24.5
160°	25.7	24.5	24.5	23.4	23.4	25.7	24.5	25.7	26.9	26.9	25.7
162.5°	26.9	25.7	25.7	25.7	26.9	25.7	25.7	25.7	26.9	26.9	26.9
165°	23.4	24.5	24.5	24.5	24.5	24.5	25.7	25.7	25.7	25.7	25.7
167.5°	23.4	23.4	23.4	24.5	24.5	24.5	24.5	23.4	23.4	24.5	24.5
170°	23.4	23.4	23.4	23.4	23.4	23.4	24.5	23.4	23.4	23.4	24.5
172.5°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	22.2	22.2	22.2	23.4
175°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	21.0	21.0	21.0
177.5°	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	21.0	21.0
180°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8
2.5°	963.1	963.1	964.3	963.1	962.0	964.3	964.3	963.1	964.3	964.3	962.0
5°	955.0	953.8	953.8	952.6	952.6	952.6	951.4	953.8	951.4	952.6	952.6
7.5°	939.8	937.4	937.4	937.4	937.4	936.3	936.3	935.1	936.3	936.3	937.4
10°	930.4	929.2	929.2	928.1	928.1	929.2	929.2	930.4	929.2	929.2	928.1
12.5°	925.7	925.7	926.9	926.9	929.2	931.6	932.7	935.1	932.7	931.6	929.2
15°	912.9	915.2	915.2	916.4	917.6	918.7	918.7	918.7	918.7	918.7	917.6
17.5°	879.0	881.3	884.8	886.0	888.3	890.7	890.7	890.7	890.7	890.7	888.3
20°	812.4	812.4	815.9	817.0	817.0	819.4	818.2	818.2	818.2	819.4	817.0
22.5°	722.4	721.2	721.2	721.2	723.5	724.7	723.5	722.4	723.5	724.7	723.5
25°	634.7	631.2	630.0	628.8	627.7	627.7	626.5	624.2	626.5	627.7	627.7
27.5°	563.4	559.9	555.2	552.9	551.7	545.9	544.7	542.3	544.7	545.9	551.7
30°	513.1	507.3	501.4	497.9	496.8	495.6	495.6	493.3	495.6	495.6	496.8
32.5°	480.4	473.4	468.7	464.0	462.9	462.9	460.5	460.5	460.5	462.9	462.9
35°	462.9	453.5	445.3	440.7	439.5	441.8	441.8	444.2	441.8	441.8	439.5
37.5°	457.0	447.7	441.8	434.8	432.5	429.0	429.0	430.1	429.0	429.0	432.5
40°	461.7	454.7	446.5	439.5	432.5	431.3	430.1	430.1	430.1	431.3	432.5
42.5°	481.6	473.4	464.0	455.9	445.3	441.8	439.5	439.5	439.5	441.8	445.3
45°	521.3	507.3	493.3	481.6	474.6	465.2	462.9	460.5	462.9	465.2	474.6
47.5°	578.6	555.2	538.8	522.5	514.3	504.9	499.1	497.9	497.9	504.9	514.3
50°	655.7	621.8	597.3	579.8	563.4	551.7	544.7	540.0	544.7	551.7	563.4
52.5°	765.6	714.2	668.6	640.5	620.7	606.6	597.3	591.4	597.3	606.6	620.7
55°	863.8	822.9	771.4	717.7	686.1	668.6	655.7	649.9	655.7	667.4	686.1
57.5°	962.0	918.7	870.8	820.5	775.0	730.5	718.8	713.0	718.8	730.5	775.0
60°	1041.5	1016.9	976.0	933.9	879.0	825.2	796.0	778.5	796.0	825.2	879.0
62.5°	1089.4	1089.4	1075.3	1037.9	993.5	946.8	902.4	881.3	902.4	946.8	993.5
65°	1112.8	1139.6	1163.0	1132.6	1089.4	1061.3	1048.5	1045.0	1048.5	1061.3	1089.4
67.5°	1127.9	1166.5	1198.1	1223.8	1227.3	1200.4	1192.2	1196.9	1193.4	1200.4	1227.3
70°	1157.2	1200.4	1243.7	1291.6	1331.3	1353.5	1362.9	1360.5	1362.9	1353.5	1331.3
72.5°	1208.6	1255.4	1300.9	1361.7	1424.8	1471.6	1496.1	1503.1	1496.1	1471.6	1424.8
75°	1249.5	1323.1	1359.4	1413.1	1473.9	1519.5	1562.8	1585.0	1562.8	1519.5	1473.9
77.5°	1199.2	1285.7	1348.9	1406.1	1445.9	1480.9	1514.8	1547.6	1514.8	1480.9	1445.9
80°	1056.6	1156.0	1248.3	1308.0	1347.7	1367.6	1383.9	1400.3	1383.9	1367.6	1347.7
82.5°	880.1	979.5	1077.7	1140.8	1189.9	1217.9	1229.6	1225.0	1229.6	1217.9	1189.9
85°	714.2	793.7	872.0	944.4	1006.4	1052.0	1080.0	1089.4	1080.0	1052.0	1006.4
87.5°	569.2	635.9	695.5	752.7	808.8	866.1	893.0	902.4	893.0	866.1	808.8
90°	427.8	471.0	519.0	561.1	606.6	651.1	663.9	668.6	663.9	651.1	606.6
92.5°	294.6	310.9	333.1	377.5	417.3	438.3	450.0	453.5	450.0	438.3	417.3
95°	189.4	198.7	210.4	238.4	265.3	279.4	285.2	289.9	285.2	279.4	265.3
97.5°	125.1	132.1	137.9	149.6	167.1	173.0	176.5	180.0	176.5	173.0	167.1
100°	92.3	98.2	100.5	104.0	111.0	113.4	114.5	116.9	114.5	113.4	111.0
102.5°	72.5	74.8	78.3	78.3	81.8	83.0	83.0	81.8	83.0	83.0	81.8
105°	58.4	59.6	58.4	59.6	64.3	67.8	67.8	67.8	67.8	67.8	64.3
107.5°	45.6	46.8	46.8	46.8	50.3	53.8	57.3	56.1	57.3	53.8	50.3
110°	37.4	38.6	39.7	39.7	39.7	40.9	40.9	42.1	40.9	40.9	39.7



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CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	32.7	31.6	32.7	31.6	29.2	28.1	29.2	30.4	29.2	28.1	29.2
115°	24.5	24.5	23.4	24.5	23.4	21.0	23.4	21.0	23.4	21.0	23.4
117.5°	18.7	17.5	18.7	18.7	18.7	19.9	18.7	18.7	18.7	19.9	18.7
120°	16.4	16.4	15.2	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
122.5°	14.0	15.2	14.0	14.0	14.0	15.2	14.0	14.0	14.0	15.2	14.0
125°	14.0	14.0	14.0	12.9	12.9	14.0	14.0	14.0	14.0	14.0	12.9
127.5°	12.9	12.9	12.9	14.0	14.0	11.7	11.7	11.7	11.7	11.7	14.0
130°	14.0	14.0	14.0	12.9	14.0	12.9	11.7	11.7	11.7	12.9	14.0
132.5°	12.9	12.9	12.9	11.7	12.9	12.9	12.9	14.0	12.9	12.9	12.9
135°	11.7	10.5	10.5	10.5	11.7	12.9	12.9	14.0	12.9	12.9	11.7
137.5°	10.5	10.5	10.5	10.5	10.5	10.5	11.7	11.7	11.7	10.5	10.5
140°	10.5	10.5	10.5	10.5	10.5	10.5	11.7	11.7	11.7	10.5	10.5
142.5°	11.7	11.7	11.7	10.5	10.5	11.7	11.7	11.7	11.7	11.7	10.5
145°	14.0	14.0	14.0	12.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0
147.5°	17.5	17.5	15.2	15.2	14.0	14.0	14.0	14.0	14.0	14.0	14.0
150°	17.5	17.5	16.4	16.4	15.2	14.0	14.0	14.0	14.0	14.0	15.2
152.5°	18.7	17.5	17.5	17.5	16.4	16.4	16.4	16.4	16.4	16.4	16.4
155°	18.7	18.7	18.7	18.7	18.7	17.5	17.5	18.7	17.5	17.5	18.7
157.5°	24.5	24.5	24.5	23.4	22.2	23.4	23.4	23.4	23.4	23.4	22.2
160°	24.5	24.5	25.7	25.7	24.5	24.5	23.4	23.4	23.4	24.5	24.5
162.5°	26.9	25.7	24.5	24.5	25.7	25.7	25.7	23.4	25.7	25.7	25.7
165°	26.9	26.9	26.9	25.7	25.7	25.7	28.1	28.1	28.1	25.7	25.7
167.5°	24.5	24.5	24.5	24.5	26.9	26.9	25.7	25.7	25.7	26.9	26.9
170°	24.5	24.5	25.7	24.5	24.5	23.4	23.4	23.4	23.4	23.4	24.5
172.5°	23.4	23.4	23.4	23.4	21.0	21.0	21.0	21.0	21.0	21.0	21.0
175°	21.0	21.0	21.0	21.0	21.0	22.2	22.2	21.0	22.2	22.2	21.0
177.5°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
180°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4



REPORT NUMBER: P188105

CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8
2.5°	963.1	964.3	963.1	963.1	964.3	965.5	963.1	963.1	964.3	964.3	964.3
5°	952.6	953.8	953.8	955.0	955.0	955.0	956.1	956.1	957.3	955.0	956.1
7.5°	937.4	937.4	937.4	939.8	940.9	942.1	944.4	944.4	945.6	946.8	947.9
10°	928.1	929.2	929.2	931.6	933.9	936.3	937.4	939.8	940.9	944.4	947.9
12.5°	926.9	926.9	925.7	925.7	924.6	924.6	924.6	928.1	931.6	933.9	933.9
15°	916.4	915.2	915.2	912.9	912.9	910.5	909.4	910.5	912.9	914.0	917.6
17.5°	886.0	884.8	881.3	879.0	877.8	877.8	876.6	877.8	881.3	883.7	886.0
20°	817.0	815.9	812.4	812.4	813.5	813.5	814.7	819.4	821.7	825.2	832.2
22.5°	721.2	721.2	721.2	722.4	727.0	730.5	738.7	743.4	750.4	757.4	764.4
25°	628.8	630.0	631.2	634.7	637.0	644.0	652.2	663.9	675.6	688.5	697.8
27.5°	552.9	555.2	559.9	563.4	569.2	576.2	584.4	594.9	605.5	617.2	626.5
30°	497.9	501.4	507.3	513.1	520.1	529.5	537.7	547.0	556.4	564.6	572.7
32.5°	464.0	468.7	473.4	480.4	486.2	495.6	504.9	514.3	520.1	528.3	535.3
35°	440.7	445.3	453.5	462.9	471.0	479.2	481.6	486.2	489.8	494.4	499.1
37.5°	434.8	441.8	447.7	457.0	465.2	471.0	473.4	474.6	471.0	469.9	471.0
40°	439.5	446.5	454.7	461.7	465.2	471.0	474.6	476.9	475.7	472.2	464.0
42.5°	455.9	464.0	473.4	481.6	486.2	489.8	494.4	500.3	506.1	504.9	496.8
45°	481.6	493.3	507.3	521.3	530.7	538.8	549.4	558.7	565.7	566.9	561.1
47.5°	522.5	538.8	555.2	578.6	598.5	620.7	639.4	646.4	647.5	638.2	619.5
50°	579.8	597.3	621.8	655.7	699.0	731.7	741.1	739.9	728.2	704.8	660.4
52.5°	640.5	668.6	714.2	765.6	800.7	828.7	845.1	834.6	794.8	748.1	686.1
55°	717.7	771.4	822.9	863.8	902.4	931.6	930.4	901.2	845.1	773.8	704.8
57.5°	820.5	870.8	918.7	962.0	1002.9	1001.7	983.0	932.7	870.8	797.2	724.7
60°	933.9	976.0	1016.9	1041.5	1047.3	1030.9	1002.9	949.1	883.7	808.8	739.9
62.5°	1037.9	1075.3	1089.4	1089.4	1063.7	1035.6	1000.5	965.5	891.8	818.2	744.6
65°	1132.6	1163.0	1139.6	1112.8	1074.2	1040.3	1002.9	964.3	901.2	820.5	738.7
67.5°	1223.8	1198.1	1166.5	1127.9	1089.4	1052.0	1001.7	949.1	886.0	806.5	715.3
70°	1291.6	1243.7	1200.4	1157.2	1109.2	1061.3	999.4	923.4	855.6	773.8	686.1
72.5°	1361.7	1300.9	1255.4	1208.6	1153.7	1078.9	1002.9	911.7	826.4	759.8	693.1
75°	1413.1	1359.4	1323.1	1249.5	1165.4	1080.0	997.0	898.9	806.5	759.8	723.5
77.5°	1406.1	1348.9	1285.7	1199.2	1095.2	995.9	907.0	819.4	750.4	703.7	685.0
80°	1308.0	1248.3	1156.0	1056.6	953.8	853.3	775.0	706.0	667.4	634.7	628.8
82.5°	1140.8	1077.7	979.5	880.1	797.2	710.7	652.2	611.3	591.4	576.2	571.6
85°	944.4	872.0	793.7	714.2	647.5	583.3	545.9	534.2	526.0	517.8	510.8
87.5°	752.7	695.5	635.9	569.2	519.0	494.4	465.2	452.3	446.5	440.7	433.6
90°	561.1	519.0	471.0	427.8	388.1	364.7	351.8	341.3	330.8	317.9	308.6
92.5°	377.5	333.1	310.9	294.6	268.8	245.5	238.4	229.1	215.1	202.2	194.0
95°	238.4	210.4	198.7	189.4	177.7	164.8	155.5	143.8	128.6	115.7	108.7
97.5°	149.6	137.9	132.1	125.1	114.5	105.2	100.5	91.2	76.0	69.0	65.5
100°	104.0	100.5	98.2	92.3	84.2	78.3	73.6	66.6	58.4	52.6	52.6
102.5°	78.3	78.3	74.8	72.5	67.8	63.1	59.6	52.6	47.9	45.6	45.6
105°	60.8	58.4	59.6	58.4	56.1	51.4	49.1	45.6	43.2	40.9	39.7
107.5°	46.8	46.8	46.8	45.6	44.4	44.4	42.1	39.7	38.6	37.4	37.4
110°	39.7	39.7	38.6	37.4	37.4	36.2	36.2	36.2	35.1	35.1	33.9

REPORT NUMBER: P188105
 CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°	
112.5°	31.6	32.7	31.6	32.7	33.9	32.7	32.7	32.7	31.6	31.6	30.4	0°
115°	24.5	23.4	24.5	24.5	25.7	25.7	26.9	28.1	29.2	29.2	29.2	2.5°
117.5°	18.7	18.7	17.5	18.7	18.7	19.9	21.0	22.2	22.2	23.4	22.2	5°
120°	16.4	15.2	16.4	16.4	16.4	17.5	17.5	18.7	17.5	16.4	16.4	7.5°
122.5°	14.0	14.0	15.2	14.0	14.0	15.2	15.2	16.4	15.2	14.0	14.0	10°
125°	12.9	14.0	14.0	14.0	14.0	15.2	14.0	15.2	14.0	15.2	14.0	12.5°
127.5°	14.0	12.9	12.9	12.9	12.9	12.9	12.9	12.9	14.0	15.2	14.0	15°
130°	12.9	14.0	14.0	14.0	14.0	12.9	12.9	14.0	14.0	14.0	14.0	17.5°
132.5°	11.7	12.9	12.9	12.9	12.9	12.9	12.9	11.7	12.9	14.0	14.0	20°
135°	10.5	10.5	10.5	11.7	10.5	10.5	10.5	10.5	10.5	11.7	12.9	22.5°
137.5°	10.5	10.5	10.5	10.5	10.5	10.5	9.4	10.5	10.5	12.9	14.0	25°
140°	10.5	10.5	10.5	10.5	9.4	9.4	11.7	12.9	12.9	12.9	12.9	27.5°
142.5°	10.5	11.7	11.7	11.7	11.7	12.9	11.7	14.0	14.0	14.0	14.0	30°
145°	12.9	14.0	14.0	14.0	14.0	15.2	14.0	14.0	14.0	12.9	14.0	32.5°
147.5°	15.2	15.2	17.5	17.5	17.5	17.5	16.4	15.2	14.0	15.2	15.2	35°
150°	16.4	16.4	17.5	17.5	18.7	18.7	18.7	19.9	19.9	18.7	18.7	37.5°
152.5°	17.5	17.5	17.5	18.7	18.7	19.9	19.9	21.0	22.2	22.2	21.0	40°
155°	18.7	18.7	18.7	18.7	21.0	22.2	23.4	23.4	22.2	24.5	24.5	42.5°
157.5°	23.4	24.5	24.5	24.5	24.5	25.7	24.5	24.5	24.5	24.5	25.7	45°
160°	25.7	25.7	24.5	24.5	25.7	26.9	26.9	25.7	24.5	25.7	23.4	47.5°
162.5°	24.5	24.5	25.7	26.9	26.9	26.9	26.9	25.7	25.7	25.7	26.9	50°
165°	25.7	26.9	26.9	26.9	25.7	25.7	25.7	25.7	25.7	24.5	24.5	52.5°
167.5°	24.5	24.5	24.5	24.5	24.5	24.5	23.4	23.4	24.5	24.5	24.5	55°
170°	24.5	25.7	24.5	24.5	24.5	23.4	23.4	23.4	24.5	23.4	23.4	57.5°
172.5°	23.4	23.4	23.4	23.4	23.4	22.2	22.2	22.2	23.4	23.4	23.4	60°
175°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	22.2	22.2	22.2	22.2	62.5°
177.5°	21.0	21.0	21.0	21.0	21.0	21.0	19.9	19.9	19.9	19.9	19.9	65°
180°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°
												110°

NUMBER: P188105
 NUMBER: QDCAST1B (4PANELS 30°TILT)

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°	112.5°	82.5°
967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	112.5°	29.2
965.5	964.3	964.3	965.5	964.3	964.3	965.5	964.3	964.3	964.3	963.1	115°	29.2
957.3	957.3	957.3	958.5	957.3	957.3	957.3	956.1	955.0	957.3	956.1	117.5°	22.2
949.1	949.1	949.1	949.1	949.1	949.1	949.1	947.9	946.8	945.6	944.4	120°	17.5
947.9	949.1	947.9	949.1	947.9	949.1	947.9	947.9	944.4	940.9	939.8	122.5°	14.0
937.4	937.4	937.4	939.8	937.4	937.4	937.4	933.9	933.9	931.6	928.1	125°	14.0
921.1	922.2	921.1	919.9	921.1	922.2	921.1	917.6	914.0	912.9	910.5	127.5°	14.0
888.3	889.5	890.7	893.0	890.7	889.5	888.3	886.0	883.7	881.3	877.8	130°	14.0
835.7	838.1	841.6	846.3	841.6	838.1	835.7	832.2	825.2	821.7	819.4	132.5°	14.0
773.8	779.6	779.6	783.1	779.6	779.6	773.8	764.4	757.4	750.4	743.4	135°	15.2
707.2	716.5	718.8	721.2	718.8	716.5	707.2	697.8	688.5	675.6	663.9	137.5°	14.0
637.0	642.9	648.7	651.1	648.7	642.9	637.0	626.5	617.2	605.5	594.9	140°	14.0
577.4	582.1	586.8	586.8	586.8	582.1	577.4	572.7	564.6	556.4	547.0	142.5°	14.0
541.2	543.5	542.3	542.3	542.3	543.5	541.2	535.3	528.3	520.1	514.3	145°	14.0
501.4	503.8	503.8	503.8	503.8	503.8	501.4	499.1	494.4	489.8	486.2	147.5°	15.2
471.0	473.4	473.4	476.9	473.4	473.4	471.0	471.0	469.9	471.0	474.6	150°	18.7
459.4	467.5	475.7	476.9	475.7	467.5	459.4	464.0	472.2	475.7	476.9	152.5°	21.0
493.3	488.6	494.4	495.6	494.4	488.6	493.3	496.8	504.9	506.1	500.3	155°	25.7
545.9	530.7	513.1	515.5	513.1	530.7	545.9	561.1	566.9	565.7	558.7	157.5°	26.9
593.8	565.7	536.5	513.1	536.5	565.7	593.8	619.5	638.2	647.5	646.4	160°	23.4
620.7	575.1	540.0	538.8	540.0	575.1	620.7	660.4	704.8	728.2	739.9	162.5°	25.7
624.2	576.2	563.4	559.9	563.4	576.2	624.2	686.1	748.1	794.8	834.6	165°	24.5
638.2	605.5	590.3	586.8	590.3	605.5	638.2	704.8	773.8	842.7	901.2	167.5°	24.5
674.4	635.9	611.3	605.5	611.3	635.9	674.4	724.7	797.2	870.8	932.7	170°	23.4
685.0	637.0	604.3	591.4	604.3	638.2	683.8	739.9	808.8	883.7	949.1	172.5°	23.4
682.6	631.2	594.9	580.9	594.9	631.2	682.6	744.6	818.2	891.8	965.5	175°	22.2
668.6	609.0	570.4	558.7	570.4	609.0	668.6	738.7	820.5	901.2	964.3	177.5°	19.9
634.7	573.9	531.8	523.6	531.8	573.9	634.7	715.3	806.5	886.0	949.1	180°	23.4
613.6	559.9	533.0	528.3	533.0	559.9	613.6	686.1	773.8	855.6	923.4		
646.4	618.3	614.8	614.8	614.8	618.3	645.2	693.1	760.9	826.4	911.7		
697.8	688.5	686.1	687.3	686.1	688.5	697.8	723.5	759.8	806.5	897.7		
673.3	672.1	674.4	675.6	674.4	672.1	673.3	685.0	703.7	750.4	819.4		
624.2	620.7	619.5	617.2	619.5	620.7	624.2	628.8	634.7	667.4	706.0		
564.6	556.4	551.7	549.4	551.7	556.4	564.6	570.4	576.2	591.4	611.3		
504.9	496.8	494.4	489.8	494.4	496.8	504.9	510.8	517.8	526.0	534.2		
422.0	406.8	403.3	403.3	403.3	406.8	422.0	433.6	440.7	446.5	452.3		
295.7	279.4	273.5	264.2	273.5	279.4	295.7	308.6	317.9	330.8	341.3		
184.7	173.0	175.3	176.5	175.3	173.0	184.7	194.0	202.2	215.1	229.1		
99.4	87.7	86.5	86.5	86.5	87.7	99.4	108.7	115.7	128.6	143.8		
60.8	56.1	56.1	56.1	56.1	56.1	60.8	65.5	69.0	76.0	91.2		
51.4	49.1	49.1	50.3	49.1	49.1	51.4	52.6	52.6	58.4	66.6		
44.4	44.4	44.4	43.2	44.4	44.4	44.4	45.6	45.6	47.9	52.6		
40.9	39.7	40.9	42.1	40.9	39.7	40.9	39.7	40.9	43.2	45.6		
36.2	36.2	36.2	37.4	36.2	36.2	36.2	37.4	37.4	38.6	39.7		
32.7	33.9	33.9	32.7	33.9	33.9	32.7	33.9	35.1	35.1	36.2		

'188105
 QDCAST1B (4PANELS 30°TILT)

REPORT NUMBER: P188105
 CATALOG NUMBER: QDCAST1

TION (continued):

CANDELA DISTRIBUTION (con

85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°		110°	112.5°
28.1	28.1	29.2	28.1	28.1	29.2	30.4	31.6	31.6	32.7	0°	967.8	967.8
29.2	29.2	30.4	29.2	29.2	29.2	29.2	29.2	29.2	28.1	2.5°	963.1	965.5
23.4	23.4	23.4	23.4	23.4	22.2	22.2	23.4	22.2	22.2	5°	956.1	955.0
17.5	17.5	16.4	17.5	17.5	17.5	16.4	16.4	17.5	18.7	7.5°	944.4	942.1
15.2	15.2	16.4	15.2	15.2	14.0	14.0	14.0	15.2	16.4	10°	937.4	936.3
15.2	16.4	16.4	16.4	15.2	14.0	14.0	15.2	14.0	15.2	12.5°	924.6	924.6
15.2	14.0	14.0	14.0	15.2	14.0	14.0	15.2	14.0	12.9	15°	909.4	910.5
14.0	14.0	16.4	14.0	14.0	14.0	14.0	14.0	14.0	14.0	17.5°	876.6	877.8
14.0	15.2	15.2	15.2	14.0	14.0	14.0	14.0	12.9	11.7	20°	814.7	813.5
15.2	14.0	15.2	14.0	15.2	15.2	12.9	11.7	10.5	10.5	22.5°	738.7	730.5
14.0	15.2	14.0	15.2	14.0	14.0	14.0	12.9	10.5	10.5	25°	652.2	644.0
14.0	15.2	14.0	15.2	14.0	14.0	12.9	12.9	12.9	12.9	27.5°	584.4	576.2
14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	30°	537.7	530.7
16.4	15.2	14.0	15.2	16.4	14.0	14.0	12.9	14.0	14.0	32.5°	504.9	495.6
15.2	16.4	16.4	16.4	15.2	15.2	15.2	15.2	14.0	15.2	35°	481.6	479.2
19.9	18.7	18.7	18.7	19.9	18.7	18.7	18.7	19.9	19.9	37.5°	473.4	471.0
22.2	23.4	23.4	23.4	22.2	21.0	21.0	22.2	22.2	21.0	40°	474.6	471.0
25.7	24.5	24.5	24.5	25.7	25.7	24.5	24.5	22.2	23.4	42.5°	494.4	489.8
25.7	26.9	26.9	26.9	25.7	26.9	25.7	24.5	24.5	24.5	45°	549.4	538.8
24.5	24.5	25.7	24.5	24.5	23.4	23.4	25.7	24.5	25.7	47.5°	639.4	620.7
25.7	25.7	26.9	25.7	25.7	25.7	26.9	25.7	25.7	25.7	50°	741.1	731.7
24.5	24.5	23.4	24.5	24.5	24.5	24.5	24.5	25.7	25.7	52.5°	845.1	828.7
23.4	23.4	23.4	23.4	23.4	24.5	24.5	24.5	24.5	23.4	55°	930.4	931.6
23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	24.5	23.4	57.5°	983.0	1001.7
23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	22.2	60°	1002.9	1030.9
22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	62.5°	1000.5	1035.6
19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	65°	1002.9	1040.3
23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	67.5°	1001.7	1052.0
										70°	999.4	1061.3
										72.5°	1002.9	1078.9
										75°	997.0	1080.0
										77.5°	907.0	995.9
										80°	775.0	853.3
										82.5°	652.2	710.7
										85°	545.9	583.3
										87.5°	465.2	494.4
										90°	351.8	364.7
										92.5°	238.4	244.3
										95°	155.5	164.8
										97.5°	100.5	105.2
										100°	73.6	78.3
										102.5°	59.6	63.1
										105°	49.1	51.4
										107.5°	42.1	44.4
										110°	36.2	36.2

REPORT NUMBER: P188105

CATALOG NUMBER: QDCAST1B (4PANEL)

B (4PANELS 30°TILT)

tinued):									CANDELA DISTRIBUTION (continued):			
115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°	112.5°	110°	112.5°	115°
967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	112.5°	32.7	32.7	33.9
964.3	963.1	963.1	964.3	963.1	962.0	964.3	964.3	963.1	115°	26.9	25.7	25.7
955.0	955.0	953.8	953.8	952.6	952.6	952.6	951.4	953.8	117.5°	21.0	19.9	18.7
940.9	939.8	937.4	937.4	937.4	937.4	936.3	936.3	935.1	120°	17.5	17.5	16.4
933.9	930.4	929.2	929.2	928.1	928.1	929.2	929.2	930.4	122.5°	15.2	15.2	14.0
924.6	925.7	925.7	926.9	926.9	929.2	931.6	932.7	935.1	125°	14.0	15.2	14.0
912.9	912.9	915.2	915.2	916.4	917.6	918.7	918.7	918.7	127.5°	12.9	12.9	12.9
877.8	879.0	881.3	884.8	886.0	888.3	890.7	890.7	890.7	130°	12.9	12.9	14.0
813.5	812.4	812.4	815.9	817.0	817.0	819.4	818.2	818.2	132.5°	12.9	12.9	12.9
725.9	722.4	721.2	721.2	721.2	723.5	724.7	723.5	722.4	135°	10.5	10.5	10.5
637.0	634.7	631.2	630.0	628.8	627.7	627.7	626.5	624.2	137.5°	9.4	10.5	10.5
569.2	563.4	559.9	555.2	552.9	551.7	545.9	544.7	542.3	140°	11.7	9.4	9.4
520.1	513.1	507.3	501.4	497.9	496.8	495.6	495.6	493.3	142.5°	11.7	12.9	11.7
486.2	480.4	473.4	468.7	464.0	462.9	462.9	460.5	460.5	145°	14.0	15.2	14.0
471.0	462.9	453.5	445.3	440.7	439.5	441.8	441.8	444.2	147.5°	16.4	17.5	17.5
465.2	457.0	447.7	441.8	434.8	432.5	429.0	429.0	430.1	150°	18.7	18.7	18.7
465.2	461.7	454.7	446.5	439.5	432.5	431.3	430.1	430.1	152.5°	19.9	19.9	18.7
486.2	481.6	473.4	464.0	455.9	445.3	441.8	439.5	439.5	155°	23.4	22.2	21.0
530.7	521.3	507.3	493.3	481.6	474.6	465.2	462.9	460.5	157.5°	24.5	25.7	24.5
598.5	578.6	555.2	538.8	522.5	514.3	504.9	499.1	497.9	160°	26.9	26.9	25.7
699.0	655.7	621.8	597.3	579.8	563.4	551.7	544.7	540.0	162.5°	26.9	26.9	26.9
800.7	765.6	714.2	668.6	640.5	620.7	606.6	597.3	591.4	165°	25.7	25.7	25.7
902.4	863.8	822.9	771.4	717.7	686.1	668.6	655.7	649.9	167.5°	23.4	24.5	24.5
1002.9	962.0	918.7	870.8	820.5	775.0	730.5	718.8	713.0	170°	23.4	23.4	24.5
1047.3	1041.5	1016.9	976.0	933.9	879.0	825.2	796.0	778.5	172.5°	22.2	22.2	23.4
1063.7	1089.4	1089.4	1075.3	1037.9	993.5	946.8	902.4	881.3	175°	21.0	21.0	21.0
1075.3	1112.8	1139.6	1163.0	1132.6	1089.4	1061.3	1048.5	1045.0	177.5°	19.9	21.0	21.0
1089.4	1127.9	1166.5	1198.1	1223.8	1227.3	1200.4	1192.2	1196.9	180°	23.4	23.4	23.4
1109.2	1157.2	1200.4	1243.7	1291.6	1331.3	1353.5	1362.9	1360.5				
1153.7	1208.6	1255.4	1300.9	1361.7	1424.8	1471.6	1496.1	1503.1				
1165.4	1249.5	1323.1	1359.4	1413.1	1473.9	1519.5	1562.8	1585.0				
1095.2	1199.2	1285.7	1348.9	1406.1	1445.9	1480.9	1514.8	1547.6				
953.8	1056.6	1156.0	1248.3	1308.0	1347.7	1367.6	1383.9	1400.3				
797.2	880.1	979.5	1077.7	1140.8	1189.9	1217.9	1229.6	1225.0				
647.5	714.2	793.7	872.0	944.4	1006.4	1052.0	1080.0	1089.4				
519.0	569.2	635.9	695.5	752.7	808.8	866.1	893.0	902.4				
388.1	427.8	471.0	519.0	561.1	606.6	651.1	663.9	668.6				
268.8	294.6	310.9	333.1	377.5	417.3	438.3	450.0	453.5				
177.7	189.4	198.7	210.4	238.4	265.3	279.4	285.2	289.9				
114.5	125.1	132.1	137.9	149.6	167.1	173.0	176.5	180.0				
84.2	92.3	98.2	100.5	104.0	111.0	113.4	114.5	116.9				
67.8	72.5	74.8	78.3	78.3	81.8	83.0	83.0	81.8				
56.1	58.4	59.6	58.4	59.6	64.3	67.8	67.8	67.8				
44.4	45.6	46.8	46.8	46.8	50.3	53.8	57.3	56.1				
37.4	37.4	38.6	39.7	39.7	39.7	40.9	40.9	42.1				



REPORT NUMBER: P188105

CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

S 30°TILT)

CANDELA DISTRIBUTION (continued):

117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°		137.5°	140°	142.5°	145°
32.7	31.6	32.7	31.6	29.2	28.1	29.2	30.4	0°	967.8	967.8	967.8	967.8
24.5	24.5	23.4	24.5	23.4	21.0	23.4	21.0	2.5°	964.3	964.3	962.0	963.1
18.7	17.5	18.7	18.7	18.7	19.9	18.7	18.7	5°	951.4	952.6	952.6	952.6
16.4	16.4	15.2	16.4	16.4	16.4	16.4	16.4	7.5°	936.3	936.3	937.4	937.4
14.0	15.2	14.0	14.0	14.0	15.2	14.0	14.0	10°	929.2	929.2	928.1	928.1
14.0	14.0	14.0	12.9	12.9	14.0	14.0	14.0	12.5°	932.7	931.6	929.2	926.9
12.9	12.9	12.9	14.0	14.0	11.7	11.7	11.7	15°	918.7	918.7	917.6	916.4
14.0	14.0	14.0	12.9	14.0	12.9	11.7	11.7	17.5°	890.7	890.7	888.3	886.0
12.9	12.9	12.9	11.7	12.9	12.9	12.9	14.0	20°	818.2	819.4	817.0	817.0
11.7	10.5	10.5	10.5	11.7	12.9	12.9	14.0	22.5°	723.5	724.7	723.5	721.2
10.5	10.5	10.5	10.5	10.5	10.5	11.7	11.7	25°	626.5	627.7	627.7	628.8
10.5	10.5	10.5	10.5	10.5	10.5	11.7	11.7	27.5°	544.7	545.9	551.7	552.9
11.7	11.7	11.7	10.5	10.5	11.7	11.7	11.7	30°	495.6	495.6	496.8	497.9
14.0	14.0	14.0	12.9	14.0	14.0	14.0	14.0	32.5°	460.5	462.9	462.9	464.0
17.5	17.5	15.2	15.2	14.0	14.0	14.0	14.0	35°	441.8	441.8	439.5	440.7
17.5	17.5	16.4	16.4	15.2	14.0	14.0	14.0	37.5°	429.0	429.0	432.5	434.8
18.7	17.5	17.5	17.5	16.4	16.4	16.4	16.4	40°	430.1	431.3	432.5	439.5
18.7	18.7	18.7	18.7	18.7	17.5	17.5	18.7	42.5°	439.5	441.8	445.3	455.9
24.5	24.5	24.5	23.4	22.2	23.4	23.4	23.4	45°	462.9	465.2	474.6	481.6
24.5	24.5	25.7	25.7	24.5	24.5	23.4	23.4	47.5°	497.9	504.9	514.3	522.5
26.9	25.7	24.5	24.5	25.7	25.7	25.7	23.4	50°	544.7	551.7	563.4	579.8
26.9	26.9	26.9	25.7	25.7	25.7	28.1	28.1	52.5°	597.3	606.6	620.7	640.5
24.5	24.5	24.5	24.5	26.9	26.9	25.7	25.7	55°	655.7	667.4	686.1	717.7
24.5	24.5	25.7	24.5	24.5	23.4	23.4	23.4	57.5°	718.8	730.5	775.0	820.5
23.4	23.4	23.4	23.4	21.0	21.0	21.0	21.0	60°	796.0	825.2	879.0	933.9
21.0	21.0	21.0	21.0	21.0	22.2	22.2	21.0	62.5°	902.4	946.8	993.5	1037.9
21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	65°	1048.5	1061.3	1089.4	1132.6
23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	67.5°	1193.4	1200.4	1227.3	1223.8
								70°	1362.9	1353.5	1331.3	1291.6
								72.5°	1496.1	1471.6	1424.8	1361.7
								75°	1562.8	1519.5	1473.9	1413.1
								77.5°	1514.8	1480.9	1445.9	1406.1
								80°	1383.9	1367.6	1347.7	1308.0
								82.5°	1229.6	1217.9	1189.9	1140.8
								85°	1080.0	1052.0	1006.4	944.4
								87.5°	893.0	866.1	808.8	752.7
								90°	663.9	651.1	606.6	561.1
								92.5°	450.0	438.3	417.3	377.5
								95°	285.2	279.4	265.3	238.4
								97.5°	176.5	173.0	167.1	149.6
								100°	114.5	113.4	111.0	104.0
								102.5°	83.0	83.0	81.8	78.3
								105°	67.8	67.8	64.3	60.8
								107.5°	57.3	53.8	50.3	46.8
								110°	40.9	40.9	39.7	39.7



REPORT NUMBER: P188105

CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

CANDELA DISTRIBUTION (continued):

147.5°	150°	152.5°	155°	157.5°	160°	162.5°		137.5°	140°	142.5°	145°	147.5°
967.8	967.8	967.8	967.8	967.8	967.8	967.8	112.5°	29.2	28.1	29.2	31.6	32.7
964.3	963.1	963.1	964.3	965.5	963.1	963.1	115°	23.4	21.0	23.4	24.5	23.4
953.8	953.8	955.0	955.0	955.0	956.1	956.1	117.5°	18.7	19.9	18.7	18.7	18.7
937.4	937.4	939.8	940.9	942.1	944.4	944.4	120°	16.4	16.4	16.4	16.4	15.2
929.2	929.2	931.6	933.9	936.3	937.4	939.8	122.5°	14.0	15.2	14.0	14.0	14.0
926.9	925.7	925.7	924.6	924.6	924.6	928.1	125°	14.0	14.0	12.9	12.9	14.0
915.2	915.2	912.9	912.9	910.5	909.4	910.5	127.5°	11.7	11.7	14.0	14.0	12.9
884.8	881.3	879.0	877.8	877.8	876.6	877.8	130°	11.7	12.9	14.0	12.9	14.0
815.9	812.4	812.4	813.5	813.5	814.7	819.4	132.5°	12.9	12.9	12.9	11.7	12.9
721.2	721.2	722.4	727.0	730.5	738.7	743.4	135°	12.9	12.9	11.7	10.5	10.5
630.0	631.2	634.7	637.0	644.0	652.2	663.9	137.5°	11.7	10.5	10.5	10.5	10.5
555.2	559.9	563.4	569.2	576.2	584.4	594.9	140°	11.7	10.5	10.5	10.5	10.5
501.4	507.3	513.1	520.1	529.5	537.7	547.0	142.5°	11.7	11.7	10.5	10.5	11.7
468.7	473.4	480.4	486.2	495.6	504.9	514.3	145°	14.0	14.0	14.0	12.9	14.0
445.3	453.5	462.9	471.0	479.2	481.6	486.2	147.5°	14.0	14.0	14.0	15.2	15.2
441.8	447.7	457.0	465.2	471.0	473.4	474.6	150°	14.0	14.0	15.2	16.4	16.4
446.5	454.7	461.7	465.2	471.0	474.6	476.9	152.5°	16.4	16.4	16.4	17.5	17.5
464.0	473.4	481.6	486.2	489.8	494.4	500.3	155°	17.5	17.5	18.7	18.7	18.7
493.3	507.3	521.3	530.7	538.8	549.4	558.7	157.5°	23.4	23.4	22.2	23.4	24.5
538.8	555.2	578.6	598.5	620.7	639.4	646.4	160°	23.4	24.5	24.5	25.7	25.7
597.3	621.8	655.7	699.0	731.7	741.1	739.9	162.5°	25.7	25.7	25.7	24.5	24.5
668.6	714.2	765.6	800.7	828.7	845.1	834.6	165°	28.1	25.7	25.7	25.7	26.9
771.4	822.9	863.8	902.4	931.6	930.4	901.2	167.5°	25.7	26.9	26.9	24.5	24.5
870.8	918.7	962.0	1002.9	1001.7	983.0	932.7	170°	23.4	23.4	24.5	24.5	25.7
976.0	1016.9	1041.5	1047.3	1030.9	1002.9	949.1	172.5°	21.0	21.0	21.0	23.4	23.4
1075.3	1089.4	1089.4	1063.7	1035.6	1000.5	965.5	175°	22.2	22.2	21.0	21.0	21.0
1163.0	1139.6	1112.8	1074.2	1040.3	1002.9	964.3	177.5°	21.0	21.0	21.0	21.0	21.0
1198.1	1166.5	1127.9	1089.4	1052.0	1001.7	949.1	180°	23.4	23.4	23.4	23.4	23.4
1243.7	1200.4	1157.2	1109.2	1061.3	999.4	923.4						
1300.9	1255.4	1208.6	1153.7	1078.9	1002.9	911.7						
1359.4	1323.1	1249.5	1165.4	1080.0	997.0	898.9						
1348.9	1285.7	1199.2	1095.2	995.9	907.0	819.4						
1248.3	1156.0	1056.6	953.8	853.3	775.0	706.0						
1077.7	979.5	880.1	797.2	710.7	652.2	611.3						
872.0	793.7	714.2	647.5	583.3	545.9	534.2						
695.5	635.9	569.2	519.0	494.4	465.2	452.3						
519.0	471.0	427.8	388.1	364.7	351.8	341.3						
333.1	310.9	294.6	268.8	245.5	238.4	229.1						
210.4	198.7	189.4	177.7	164.8	155.5	143.8						
137.9	132.1	125.1	114.5	105.2	100.5	91.2						
100.5	98.2	92.3	84.2	78.3	73.6	66.6						
78.3	74.8	72.5	67.8	63.1	59.6	52.6						
58.4	59.6	58.4	56.1	51.4	49.1	45.6						
46.8	46.8	45.6	44.4	44.4	42.1	39.7						
39.7	38.6	37.4	37.4	36.2	36.2	36.2						



REPORT NUMBER: P188105

CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

CANDELA DISTRIBUTION (continued):

150°	152.5°	155°	157.5°	160°	162.5°		165°	167.5°	170°	172.5°	175°	177.5°
31.6	32.7	33.9	32.7	32.7	32.7	0°	967.8	967.8	967.8	967.8	967.8	967.8
24.5	24.5	25.7	25.7	26.9	28.1	2.5°	964.3	964.3	964.3	965.5	964.3	964.3
17.5	18.7	18.7	19.9	21.0	22.2	5°	957.3	955.0	956.1	957.3	957.3	957.3
16.4	16.4	16.4	17.5	17.5	18.7	7.5°	945.6	946.8	947.9	949.1	949.1	949.1
15.2	14.0	14.0	15.2	15.2	16.4	10°	940.9	944.4	947.9	947.9	949.1	947.9
14.0	14.0	14.0	15.2	14.0	15.2	12.5°	931.6	933.9	933.9	937.4	937.4	937.4
12.9	12.9	12.9	12.9	12.9	12.9	15°	912.9	914.0	917.6	921.1	922.2	921.1
14.0	14.0	14.0	12.9	12.9	14.0	17.5°	881.3	883.7	886.0	888.3	889.5	890.7
12.9	12.9	12.9	12.9	12.9	11.7	20°	821.7	825.2	832.2	835.7	838.1	841.6
10.5	11.7	10.5	10.5	10.5	10.5	22.5°	750.4	757.4	764.4	773.8	779.6	779.6
10.5	10.5	10.5	10.5	9.4	10.5	25°	675.6	688.5	697.8	707.2	716.5	718.8
10.5	10.5	9.4	9.4	11.7	12.9	27.5°	605.5	617.2	626.5	637.0	642.9	648.7
11.7	11.7	11.7	12.9	11.7	14.0	30°	556.4	564.6	572.7	577.4	582.1	586.8
14.0	14.0	14.0	15.2	14.0	14.0	32.5°	520.1	528.3	535.3	541.2	543.5	542.3
17.5	17.5	17.5	17.5	16.4	15.2	35°	489.8	494.4	499.1	501.4	503.8	503.8
17.5	17.5	18.7	18.7	18.7	19.9	37.5°	471.0	469.9	471.0	471.0	473.4	473.4
17.5	18.7	18.7	19.9	19.9	21.0	40°	475.7	472.2	464.0	459.4	467.5	475.7
18.7	18.7	21.0	22.2	23.4	23.4	42.5°	506.1	504.9	496.8	493.3	488.6	494.4
24.5	24.5	24.5	25.7	24.5	24.5	45°	565.7	566.9	561.1	545.9	530.7	513.1
24.5	24.5	25.7	26.9	26.9	25.7	47.5°	647.5	638.2	619.5	593.8	565.7	536.5
25.7	26.9	26.9	26.9	26.9	25.7	50°	728.2	704.8	660.4	620.7	575.1	540.0
26.9	26.9	25.7	25.7	25.7	25.7	52.5°	794.8	748.1	686.1	624.2	576.2	563.4
24.5	24.5	24.5	24.5	23.4	23.4	55°	845.1	773.8	704.8	638.2	605.5	590.3
24.5	24.5	24.5	23.4	23.4	23.4	57.5°	870.8	797.2	724.7	674.4	635.9	611.3
23.4	23.4	23.4	22.2	22.2	22.2	60°	883.7	808.8	739.9	685.0	637.0	604.3
21.0	21.0	21.0	21.0	21.0	22.2	62.5°	891.8	818.2	744.6	682.6	631.2	594.9
21.0	21.0	21.0	21.0	19.9	19.9	65°	901.2	820.5	738.7	668.6	609.0	570.4
23.4	23.4	23.4	23.4	23.4	23.4	67.5°	886.0	806.5	715.3	634.7	573.9	531.8
						70°	855.6	773.8	686.1	613.6	559.9	533.0
						72.5°	826.4	759.8	693.1	646.4	618.3	614.8
						75°	806.5	759.8	723.5	697.8	688.5	686.1
						77.5°	750.4	703.7	685.0	673.3	672.1	674.4
						80°	667.4	634.7	628.8	624.2	620.7	619.5
						82.5°	591.4	576.2	571.6	564.6	556.4	551.7
						85°	526.0	517.8	510.8	504.9	496.8	494.4
						87.5°	446.5	440.7	433.6	422.0	406.8	403.3
						90°	330.8	317.9	308.6	295.7	279.4	273.5
						92.5°	215.1	202.2	194.0	184.7	173.0	175.3
						95°	128.6	115.7	108.7	99.4	87.7	86.5
						97.5°	76.0	69.0	65.5	60.8	56.1	56.1
						100°	58.4	52.6	52.6	51.4	49.1	49.1
						102.5°	47.9	45.6	45.6	44.4	44.4	44.4
						105°	43.2	40.9	39.7	40.9	39.7	40.9
						107.5°	38.6	37.4	37.4	36.2	36.2	36.2
						110°	35.1	35.1	33.9	32.7	33.9	33.9



REPORT NUMBER: P188105

CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

CANDELA DISTRIBUTION (continued):

180°	182.5°	185°	187.5°	190°		165°	167.5°	170°	172.5°	175°	177.5°	180°
967.8	967.8	967.8	967.8	967.8	112.5°	31.6	31.6	30.4	29.2	28.1	28.1	29.2
965.5	964.3	964.3	965.5	964.3	115°	29.2	29.2	29.2	29.2	29.2	29.2	30.4
958.5	957.3	957.3	957.3	956.1	117.5°	22.2	23.4	22.2	22.2	23.4	23.4	23.4
949.1	949.1	949.1	949.1	947.9	120°	17.5	16.4	16.4	17.5	17.5	17.5	16.4
949.1	947.9	949.1	947.9	947.9	122.5°	15.2	14.0	14.0	14.0	15.2	15.2	16.4
939.8	937.4	937.4	937.4	933.9	125°	14.0	15.2	14.0	14.0	15.2	16.4	16.4
919.9	921.1	922.2	921.1	917.6	127.5°	14.0	15.2	14.0	14.0	15.2	14.0	14.0
893.0	890.7	889.5	888.3	886.0	130°	14.0	14.0	14.0	14.0	14.0	14.0	16.4
846.3	841.6	838.1	835.7	832.2	132.5°	12.9	14.0	14.0	14.0	14.0	15.2	15.2
783.1	779.6	779.6	773.8	764.4	135°	10.5	11.7	12.9	15.2	15.2	14.0	15.2
721.2	718.8	716.5	707.2	697.8	137.5°	10.5	12.9	14.0	14.0	14.0	15.2	14.0
651.1	648.7	642.9	637.0	626.5	140°	12.9	12.9	12.9	14.0	14.0	15.2	14.0
586.8	586.8	582.1	577.4	572.7	142.5°	14.0	14.0	14.0	14.0	14.0	14.0	14.0
542.3	542.3	543.5	541.2	535.3	145°	14.0	12.9	14.0	14.0	16.4	15.2	14.0
503.8	503.8	503.8	501.4	499.1	147.5°	14.0	15.2	15.2	15.2	15.2	16.4	16.4
476.9	473.4	473.4	471.0	471.0	150°	19.9	18.7	18.7	18.7	19.9	18.7	18.7
476.9	475.7	467.5	459.4	464.0	152.5°	22.2	22.2	21.0	21.0	22.2	23.4	23.4
495.6	494.4	488.6	493.3	496.8	155°	22.2	24.5	24.5	25.7	25.7	24.5	24.5
515.5	513.1	530.7	545.9	561.1	157.5°	24.5	24.5	25.7	26.9	25.7	26.9	26.9
513.1	536.5	565.7	593.8	619.5	160°	24.5	25.7	23.4	23.4	24.5	24.5	25.7
538.8	540.0	575.1	620.7	660.4	162.5°	25.7	25.7	26.9	25.7	25.7	25.7	26.9
559.9	563.4	576.2	624.2	686.1	165°	25.7	24.5	24.5	24.5	24.5	24.5	23.4
586.8	590.3	605.5	638.2	704.8	167.5°	24.5	24.5	24.5	24.5	23.4	23.4	23.4
605.5	611.3	635.9	674.4	724.7	170°	24.5	23.4	23.4	23.4	23.4	23.4	23.4
591.4	604.3	638.2	683.8	739.9	172.5°	23.4	23.4	23.4	23.4	23.4	23.4	23.4
580.9	594.9	631.2	682.6	744.6	175°	22.2	22.2	22.2	22.2	22.2	22.2	22.2
558.7	570.4	609.0	668.6	738.7	177.5°	19.9	19.9	19.9	19.9	19.9	19.9	19.9
523.6	531.8	573.9	634.7	715.3	180°	23.4	23.4	23.4	23.4	23.4	23.4	23.4
528.3	533.0	559.9	613.6	686.1								
614.8	614.8	618.3	645.2	693.1								
687.3	686.1	688.5	697.8	723.5								
675.6	674.4	672.1	673.3	685.0								
617.2	619.5	620.7	624.2	628.8								
549.4	551.7	556.4	564.6	570.4								
489.8	494.4	496.8	504.9	510.8								
403.3	403.3	406.8	422.0	433.6								
264.2	273.5	279.4	295.7	308.6								
176.5	175.3	173.0	184.7	194.0								
86.5	86.5	87.7	99.4	108.7								
56.1	56.1	56.1	60.8	65.5								
50.3	49.1	49.1	51.4	52.6								
43.2	44.4	44.4	44.4	45.6								
42.1	40.9	39.7	40.9	39.7								
37.4	36.2	36.2	36.2	37.4								
32.7	33.9	33.9	32.7	33.9								



REPORT NUMBER: P188105
 CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

CANDELA DISTRIBUTION (continued):

182.5°	185°	187.5°	190°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°
28.1	28.1	29.2	30.4	0°	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8
29.2	29.2	29.2	29.2	2.5°	964.3	964.3	963.1	963.1	965.5	964.3	963.1	963.1
23.4	23.4	22.2	22.2	5°	955.0	957.3	956.1	956.1	955.0	955.0	955.0	953.8
17.5	17.5	17.5	16.4	7.5°	946.8	945.6	944.4	944.4	942.1	940.9	939.8	937.4
15.2	15.2	14.0	14.0	10°	944.4	940.9	939.8	937.4	936.3	933.9	930.4	929.2
16.4	15.2	14.0	14.0	12.5°	933.9	931.6	928.1	924.6	924.6	924.6	925.7	925.7
14.0	15.2	14.0	14.0	15°	914.0	912.9	910.5	909.4	910.5	912.9	912.9	915.2
14.0	14.0	14.0	14.0	17.5°	883.7	881.3	877.8	876.6	877.8	877.8	879.0	881.3
15.2	14.0	14.0	14.0	20°	825.2	821.7	819.4	814.7	813.5	813.5	812.4	812.4
14.0	15.2	15.2	12.9	22.5°	757.4	750.4	743.4	738.7	730.5	725.9	722.4	721.2
15.2	14.0	14.0	14.0	25°	688.5	675.6	663.9	652.2	644.0	637.0	634.7	631.2
15.2	14.0	14.0	12.9	27.5°	617.2	605.5	594.9	584.4	576.2	569.2	563.4	559.9
14.0	14.0	14.0	14.0	30°	564.6	556.4	547.0	537.7	530.7	520.1	513.1	507.3
15.2	16.4	14.0	14.0	32.5°	528.3	520.1	514.3	504.9	495.6	486.2	480.4	473.4
16.4	15.2	15.2	15.2	35°	494.4	489.8	486.2	481.6	479.2	471.0	462.9	453.5
18.7	19.9	18.7	18.7	37.5°	469.9	471.0	474.6	473.4	471.0	465.2	457.0	447.7
23.4	22.2	21.0	21.0	40°	472.2	475.7	476.9	474.6	471.0	465.2	461.7	454.7
24.5	25.7	25.7	24.5	42.5°	504.9	506.1	500.3	494.4	489.8	486.2	481.6	473.4
26.9	25.7	26.9	25.7	45°	566.9	565.7	558.7	549.4	538.8	530.7	521.3	507.3
24.5	24.5	23.4	23.4	47.5°	638.2	647.5	646.4	639.4	620.7	598.5	578.6	555.2
25.7	25.7	25.7	26.9	50°	704.8	728.2	739.9	741.1	731.7	699.0	655.7	621.8
24.5	24.5	24.5	24.5	52.5°	748.1	794.8	834.6	845.1	828.7	800.7	765.6	714.2
23.4	23.4	24.5	24.5	55°	773.8	842.7	901.2	930.4	931.6	902.4	863.8	822.9
23.4	23.4	23.4	23.4	57.5°	797.2	870.8	932.7	983.0	1001.7	1002.9	962.0	918.7
23.4	23.4	23.4	23.4	60°	808.8	883.7	949.1	1002.9	1030.9	1047.3	1041.5	1016.9
22.2	22.2	22.2	22.2	62.5°	818.2	891.8	965.5	1000.5	1035.6	1063.7	1089.4	1089.4
19.9	19.9	19.9	19.9	65°	820.5	901.2	964.3	1002.9	1040.3	1075.3	1112.8	1139.6
23.4	23.4	23.4	23.4	67.5°	806.5	886.0	949.1	1001.7	1052.0	1089.4	1127.9	1166.5
				70°	773.8	855.6	923.4	999.4	1061.3	1109.2	1157.2	1200.4
				72.5°	760.9	826.4	911.7	1002.9	1078.9	1153.7	1208.6	1255.4
				75°	759.8	806.5	897.7	997.0	1080.0	1165.4	1249.5	1323.1
				77.5°	703.7	750.4	819.4	907.0	995.9	1095.2	1199.2	1285.7
				80°	634.7	667.4	706.0	775.0	853.3	953.8	1056.6	1156.0
				82.5°	576.2	591.4	611.3	652.2	710.7	797.2	880.1	979.5
				85°	517.8	526.0	534.2	545.9	583.3	647.5	714.2	793.7
				87.5°	440.7	446.5	452.3	465.2	494.4	519.0	569.2	635.9
				90°	317.9	330.8	341.3	351.8	364.7	388.1	427.8	471.0
				92.5°	202.2	215.1	229.1	238.4	244.3	268.8	294.6	310.9
				95°	115.7	128.6	143.8	155.5	164.8	177.7	189.4	198.7
				97.5°	69.0	76.0	91.2	100.5	105.2	114.5	125.1	132.1
				100°	52.6	58.4	66.6	73.6	78.3	84.2	92.3	98.2
				102.5°	45.6	47.9	52.6	59.6	63.1	67.8	72.5	74.8
				105°	40.9	43.2	45.6	49.1	51.4	56.1	58.4	59.6
				107.5°	37.4	38.6	39.7	42.1	44.4	44.4	45.6	46.8
				110°	35.1	35.1	36.2	36.2	36.2	37.4	37.4	38.6

REPORT NUMBER: P188105
 CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

CANDELA DISTRIBUTION (continued):

212.5°	215°	217.5°		192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°
967.8	967.8	967.8	112.5°	31.6	31.6	32.7	32.7	32.7	33.9	32.7	31.6	32.7
964.3	963.1	962.0	115°	29.2	29.2	28.1	26.9	25.7	25.7	24.5	24.5	23.4
953.8	952.6	952.6	117.5°	23.4	22.2	22.2	21.0	19.9	18.7	18.7	17.5	18.7
937.4	937.4	937.4	120°	16.4	17.5	18.7	17.5	17.5	16.4	16.4	16.4	15.2
929.2	928.1	928.1	122.5°	14.0	15.2	16.4	15.2	15.2	14.0	14.0	15.2	14.0
926.9	926.9	929.2	125°	15.2	14.0	15.2	14.0	15.2	14.0	14.0	14.0	14.0
915.2	916.4	917.6	127.5°	15.2	14.0	12.9	12.9	12.9	12.9	12.9	12.9	12.9
884.8	886.0	888.3	130°	14.0	14.0	14.0	12.9	12.9	14.0	14.0	14.0	14.0
815.9	817.0	817.0	132.5°	14.0	12.9	11.7	12.9	12.9	12.9	12.9	12.9	12.9
721.2	721.2	723.5	135°	11.7	10.5	10.5	10.5	10.5	10.5	11.7	10.5	10.5
630.0	628.8	627.7	137.5°	12.9	10.5	10.5	9.4	10.5	10.5	10.5	10.5	10.5
555.2	552.9	551.7	140°	12.9	12.9	12.9	11.7	9.4	9.4	10.5	10.5	10.5
501.4	497.9	496.8	142.5°	14.0	14.0	14.0	11.7	12.9	11.7	11.7	11.7	11.7
468.7	464.0	462.9	145°	12.9	14.0	14.0	14.0	15.2	14.0	14.0	14.0	14.0
445.3	440.7	439.5	147.5°	15.2	14.0	15.2	16.4	17.5	17.5	17.5	17.5	15.2
441.8	434.8	432.5	150°	18.7	19.9	19.9	18.7	18.7	18.7	17.5	17.5	16.4
446.5	439.5	432.5	152.5°	22.2	22.2	21.0	19.9	19.9	18.7	18.7	17.5	17.5
464.0	455.9	445.3	155°	24.5	22.2	23.4	23.4	22.2	21.0	18.7	18.7	18.7
493.3	481.6	474.6	157.5°	24.5	24.5	24.5	24.5	25.7	24.5	24.5	24.5	24.5
538.8	522.5	514.3	160°	25.7	24.5	25.7	26.9	26.9	25.7	24.5	24.5	25.7
597.3	579.8	563.4	162.5°	25.7	25.7	25.7	26.9	26.9	26.9	26.9	25.7	24.5
668.6	640.5	620.7	165°	24.5	25.7	25.7	25.7	25.7	25.7	26.9	26.9	26.9
771.4	717.7	686.1	167.5°	24.5	24.5	23.4	23.4	24.5	24.5	24.5	24.5	24.5
870.8	820.5	775.0	170°	23.4	24.5	23.4	23.4	23.4	24.5	24.5	24.5	25.7
976.0	933.9	879.0	172.5°	23.4	23.4	22.2	22.2	22.2	23.4	23.4	23.4	23.4
1075.3	1037.9	993.5	175°	22.2	22.2	22.2	21.0	21.0	21.0	21.0	21.0	21.0
1163.0	1132.6	1089.4	177.5°	19.9	19.9	19.9	19.9	21.0	21.0	21.0	21.0	21.0
1198.1	1223.8	1227.3	180°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
1243.7	1291.6	1331.3										
1300.9	1361.7	1424.8										
1359.4	1413.1	1473.9										
1348.9	1406.1	1445.9										
1248.3	1308.0	1347.7										
1077.7	1140.8	1189.9										
872.0	944.4	1006.4										
695.5	752.7	808.8										
519.0	561.1	606.6										
333.1	377.5	417.3										
210.4	238.4	265.3										
137.9	149.6	167.1										
100.5	104.0	111.0										
78.3	78.3	81.8										
58.4	59.6	64.3										
46.8	46.8	50.3										
39.7	39.7	39.7										



REPORT NUMBER: P188105
 CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

CANDELA DISTRIBUTION (continued):

215°	217.5°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°
31.6	29.2	0°	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8
24.5	23.4	2.5°	964.3	964.3	963.1	964.3	964.3	962.0	963.1	964.3	963.1	963.1
18.7	18.7	5°	952.6	951.4	953.8	951.4	952.6	952.6	952.6	953.8	953.8	955.0
16.4	16.4	7.5°	936.3	936.3	935.1	936.3	936.3	937.4	937.4	937.4	937.4	939.8
14.0	14.0	10°	929.2	929.2	930.4	929.2	929.2	928.1	928.1	929.2	929.2	931.6
12.9	12.9	12.5°	931.6	932.7	935.1	932.7	931.6	929.2	926.9	926.9	925.7	925.7
14.0	14.0	15°	918.7	918.7	918.7	918.7	918.7	917.6	916.4	915.2	915.2	912.9
12.9	14.0	17.5°	890.7	890.7	890.7	890.7	890.7	888.3	886.0	884.8	881.3	879.0
11.7	12.9	20°	819.4	818.2	818.2	818.2	819.4	817.0	817.0	815.9	812.4	812.4
10.5	11.7	22.5°	724.7	723.5	722.4	723.5	724.7	723.5	721.2	721.2	721.2	722.4
10.5	10.5	25°	627.7	626.5	624.2	626.5	627.7	627.7	628.8	630.0	631.2	634.7
10.5	10.5	27.5°	545.9	544.7	542.3	544.7	545.9	551.7	552.9	555.2	559.9	563.4
10.5	10.5	30°	495.6	495.6	493.3	495.6	495.6	496.8	497.9	501.4	507.3	513.1
12.9	14.0	32.5°	462.9	460.5	460.5	460.5	462.9	462.9	464.0	468.7	473.4	480.4
15.2	14.0	35°	441.8	441.8	444.2	441.8	441.8	439.5	440.7	445.3	453.5	462.9
16.4	15.2	37.5°	429.0	429.0	430.1	429.0	429.0	432.5	434.8	441.8	447.7	457.0
17.5	16.4	40°	431.3	430.1	430.1	430.1	431.3	432.5	439.5	446.5	454.7	461.7
18.7	18.7	42.5°	441.8	439.5	439.5	439.5	441.8	445.3	455.9	464.0	473.4	481.6
23.4	22.2	45°	465.2	462.9	460.5	462.9	465.2	474.6	481.6	493.3	507.3	521.3
25.7	24.5	47.5°	504.9	499.1	497.9	497.9	504.9	514.3	522.5	538.8	555.2	578.6
24.5	25.7	50°	551.7	544.7	540.0	544.7	551.7	563.4	579.8	597.3	621.8	655.7
25.7	25.7	52.5°	606.6	597.3	591.4	597.3	606.6	620.7	640.5	668.6	714.2	765.6
24.5	26.9	55°	668.6	655.7	649.9	655.7	667.4	686.1	717.7	771.4	822.9	863.8
24.5	24.5	57.5°	730.5	718.8	713.0	718.8	730.5	775.0	820.5	870.8	918.7	962.0
23.4	21.0	60°	825.2	796.0	778.5	796.0	825.2	879.0	933.9	976.0	1016.9	1041.5
21.0	21.0	62.5°	946.8	902.4	881.3	902.4	946.8	993.5	1037.9	1075.3	1089.4	1089.4
21.0	21.0	65°	1061.3	1048.5	1045.0	1048.5	1061.3	1089.4	1132.6	1163.0	1139.6	1112.8
23.4	23.4	67.5°	1200.4	1192.2	1196.9	1193.4	1200.4	1227.3	1223.8	1198.1	1166.5	1127.9
		70°	1353.5	1362.9	1360.5	1362.9	1353.5	1331.3	1291.6	1243.7	1200.4	1157.2
		72.5°	1471.6	1496.1	1503.1	1496.1	1471.6	1424.8	1361.7	1300.9	1255.4	1208.6
		75°	1519.5	1562.8	1585.0	1562.8	1519.5	1473.9	1413.1	1359.4	1323.1	1249.5
		77.5°	1480.9	1514.8	1547.6	1514.8	1480.9	1445.9	1406.1	1348.9	1285.7	1199.2
		80°	1367.6	1383.9	1400.3	1383.9	1367.6	1347.7	1308.0	1248.3	1156.0	1056.6
		82.5°	1217.9	1229.6	1225.0	1229.6	1217.9	1189.9	1140.8	1077.7	979.5	880.1
		85°	1052.0	1080.0	1089.4	1080.0	1052.0	1006.4	944.4	872.0	793.7	714.2
		87.5°	866.1	893.0	902.4	893.0	866.1	808.8	752.7	695.5	635.9	569.2
		90°	651.1	663.9	668.6	663.9	651.1	606.6	561.1	519.0	471.0	427.8
		92.5°	438.3	450.0	453.5	450.0	438.3	417.3	377.5	333.1	310.9	294.6
		95°	279.4	285.2	289.9	285.2	279.4	265.3	238.4	210.4	198.7	189.4
		97.5°	173.0	176.5	180.0	176.5	173.0	167.1	149.6	137.9	132.1	125.1
		100°	113.4	114.5	116.9	114.5	113.4	111.0	104.0	100.5	98.2	92.3
		102.5°	83.0	83.0	81.8	83.0	83.0	81.8	78.3	78.3	74.8	72.5
		105°	67.8	67.8	67.8	67.8	67.8	64.3	60.8	58.4	59.6	58.4
		107.5°	53.8	57.3	56.1	57.3	53.8	50.3	46.8	46.8	46.8	45.6
		110°	40.9	40.9	42.1	40.9	40.9	39.7	39.7	39.7	38.6	37.4



REPORT NUMBER: P188105
 CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

CANDELA DISTRIBUTION (continued):

245°		220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
967.8	112.5°	28.1	29.2	30.4	29.2	28.1	29.2	31.6	32.7	31.6	32.7	33.9
964.3	115°	21.0	23.4	21.0	23.4	21.0	23.4	24.5	23.4	24.5	24.5	25.7
955.0	117.5°	19.9	18.7	18.7	18.7	19.9	18.7	18.7	18.7	17.5	18.7	18.7
940.9	120°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	15.2	16.4	16.4	16.4
933.9	122.5°	15.2	14.0	14.0	14.0	15.2	14.0	14.0	14.0	15.2	14.0	14.0
924.6	125°	14.0	14.0	14.0	14.0	14.0	12.9	12.9	14.0	14.0	14.0	14.0
912.9	127.5°	11.7	11.7	11.7	11.7	11.7	14.0	14.0	12.9	12.9	12.9	12.9
877.8	130°	12.9	11.7	11.7	11.7	12.9	14.0	12.9	14.0	14.0	14.0	14.0
813.5	132.5°	12.9	12.9	14.0	12.9	12.9	12.9	11.7	12.9	12.9	12.9	12.9
727.0	135°	12.9	12.9	14.0	12.9	12.9	11.7	10.5	10.5	10.5	11.7	10.5
637.0	137.5°	10.5	11.7	11.7	11.7	10.5	10.5	10.5	10.5	10.5	10.5	10.5
569.2	140°	10.5	11.7	11.7	11.7	10.5	10.5	10.5	10.5	10.5	10.5	9.4
520.1	142.5°	11.7	11.7	11.7	11.7	11.7	10.5	10.5	11.7	11.7	11.7	11.7
486.2	145°	14.0	14.0	14.0	14.0	14.0	14.0	12.9	14.0	14.0	14.0	14.0
471.0	147.5°	14.0	14.0	14.0	14.0	14.0	14.0	15.2	15.2	17.5	17.5	17.5
465.2	150°	14.0	14.0	14.0	14.0	14.0	15.2	16.4	16.4	17.5	17.5	18.7
465.2	152.5°	16.4	16.4	16.4	16.4	16.4	16.4	17.5	17.5	17.5	18.7	18.7
486.2	155°	17.5	17.5	18.7	17.5	17.5	18.7	18.7	18.7	18.7	18.7	21.0
530.7	157.5°	23.4	23.4	23.4	23.4	23.4	22.2	23.4	24.5	24.5	24.5	24.5
598.5	160°	24.5	23.4	23.4	23.4	24.5	24.5	25.7	25.7	24.5	24.5	25.7
699.0	162.5°	25.7	25.7	23.4	25.7	25.7	25.7	24.5	24.5	25.7	26.9	26.9
800.7	165°	25.7	28.1	28.1	28.1	25.7	25.7	25.7	26.9	26.9	26.9	25.7
902.4	167.5°	26.9	25.7	25.7	25.7	26.9	26.9	24.5	24.5	24.5	24.5	24.5
1002.9	170°	23.4	23.4	23.4	23.4	23.4	24.5	24.5	25.7	24.5	24.5	24.5
1047.3	172.5°	21.0	21.0	21.0	21.0	21.0	21.0	23.4	23.4	23.4	23.4	23.4
1063.7	175°	22.2	22.2	21.0	22.2	22.2	21.0	21.0	21.0	21.0	21.0	21.0
1074.2	177.5°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
1089.4	180°	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
1109.2												
1153.7												
1165.4												
1095.2												
953.8												
797.2												
647.5												
519.0												
388.1												
268.8												
177.7												
114.5												
84.2												
67.8												
56.1												
44.4												
37.4												



REPORT NUMBER: P188105
 CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°	
0°	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	112.5°
2.5°	965.5	963.1	963.1	964.3	964.3	964.3	965.5	964.3	964.3	965.5	964.3	115°
5°	955.0	956.1	956.1	957.3	955.0	956.1	957.3	957.3	957.3	958.5	957.3	117.5°
7.5°	942.1	944.4	944.4	945.6	946.8	947.9	949.1	949.1	949.1	949.1	949.1	120°
10°	936.3	937.4	939.8	940.9	944.4	947.9	947.9	949.1	947.9	949.1	947.9	122.5°
12.5°	924.6	924.6	928.1	931.6	933.9	933.9	937.4	937.4	937.4	939.8	937.4	125°
15°	910.5	909.4	910.5	912.9	914.0	917.6	921.1	922.2	921.1	919.9	921.1	127.5°
17.5°	877.8	876.6	877.8	881.3	883.7	886.0	888.3	889.5	890.7	893.0	890.7	130°
20°	813.5	814.7	819.4	821.7	825.2	832.2	835.7	838.1	841.6	846.3	841.6	132.5°
22.5°	730.5	738.7	743.4	750.4	757.4	764.4	773.8	779.6	779.6	783.1	779.6	135°
25°	644.0	652.2	663.9	675.6	688.5	697.8	707.2	716.5	718.8	721.2	718.8	137.5°
27.5°	576.2	584.4	594.9	605.5	617.2	626.5	637.0	642.9	648.7	651.1	648.7	140°
30°	529.5	537.7	547.0	556.4	564.6	572.7	577.4	582.1	586.8	586.8	586.8	142.5°
32.5°	495.6	504.9	514.3	520.1	528.3	535.3	541.2	543.5	542.3	542.3	542.3	145°
35°	479.2	481.6	486.2	489.8	494.4	499.1	501.4	503.8	503.8	503.8	503.8	147.5°
37.5°	471.0	473.4	474.6	471.0	469.9	471.0	471.0	473.4	473.4	476.9	473.4	150°
40°	471.0	474.6	476.9	475.7	472.2	464.0	459.4	467.5	475.7	476.9	475.7	152.5°
42.5°	489.8	494.4	500.3	506.1	504.9	496.8	493.3	488.6	494.4	495.6	494.4	155°
45°	538.8	549.4	558.7	565.7	566.9	561.1	545.9	530.7	513.1	515.5	513.1	157.5°
47.5°	620.7	639.4	646.4	647.5	638.2	619.5	593.8	565.7	536.5	513.1	536.5	160°
50°	731.7	741.1	739.9	728.2	704.8	660.4	620.7	575.1	540.0	538.8	540.0	162.5°
52.5°	828.7	845.1	834.6	794.8	748.1	686.1	624.2	576.2	563.4	559.9	563.4	165°
55°	931.6	930.4	901.2	845.1	773.8	704.8	638.2	605.5	590.3	586.8	590.3	167.5°
57.5°	1001.7	983.0	932.7	870.8	797.2	724.7	674.4	635.9	611.3	605.5	611.3	170°
60°	1030.9	1002.9	949.1	883.7	808.8	739.9	685.0	637.0	604.3	591.4	604.3	172.5°
62.5°	1035.6	1000.5	965.5	891.8	818.2	744.6	682.6	631.2	594.9	580.9	594.9	175°
65°	1040.3	1002.9	964.3	901.2	820.5	738.7	668.6	609.0	570.4	558.7	570.4	177.5°
67.5°	1052.0	1001.7	949.1	886.0	806.5	715.3	634.7	573.9	531.8	523.6	531.8	180°
70°	1061.3	999.4	923.4	855.6	773.8	686.1	613.6	559.9	533.0	528.3	533.0	
72.5°	1078.9	1002.9	911.7	826.4	759.8	693.1	646.4	618.3	614.8	614.8	614.8	
75°	1080.0	997.0	898.9	806.5	759.8	723.5	697.8	688.5	686.1	687.3	686.1	
77.5°	995.9	907.0	819.4	750.4	703.7	685.0	673.3	672.1	674.4	675.6	674.4	
80°	853.3	775.0	706.0	667.4	634.7	628.8	624.2	620.7	619.5	617.2	619.5	
82.5°	710.7	652.2	611.3	591.4	576.2	571.6	564.6	556.4	551.7	549.4	551.7	
85°	583.3	545.9	534.2	526.0	517.8	510.8	504.9	496.8	494.4	489.8	494.4	
87.5°	494.4	465.2	452.3	446.5	440.7	433.6	422.0	406.8	403.3	403.3	403.3	
90°	364.7	351.8	341.3	330.8	317.9	308.6	295.7	279.4	273.5	264.2	273.5	
92.5°	245.5	238.4	229.1	215.1	202.2	194.0	184.7	173.0	175.3	176.5	175.3	
95°	164.8	155.5	143.8	128.6	115.7	108.7	99.4	87.7	86.5	86.5	86.5	
97.5°	105.2	100.5	91.2	76.0	69.0	65.5	60.8	56.1	56.1	56.1	56.1	
100°	78.3	73.6	66.6	58.4	52.6	52.6	51.4	49.1	49.1	50.3	49.1	
102.5°	63.1	59.6	52.6	47.9	45.6	45.6	44.4	44.4	44.4	43.2	44.4	
105°	51.4	49.1	45.6	43.2	40.9	39.7	40.9	39.7	40.9	42.1	40.9	
107.5°	44.4	42.1	39.7	38.6	37.4	37.4	36.2	36.2	36.2	37.4	36.2	
110°	36.2	36.2	36.2	35.1	35.1	33.9	32.7	33.9	33.9	32.7	33.9	

NUMBER: P188105
 NUMBER: QDCAST1B (4PANELS 30°TILT)

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

CANDELA DISTRIBUTION

247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°		275°
32.7	32.7	32.7	31.6	31.6	30.4	29.2	28.1	28.1	29.2	28.1	0°	967.8
25.7	26.9	28.1	29.2	29.2	29.2	29.2	29.2	29.2	30.4	29.2	2.5°	964.3
19.9	21.0	22.2	22.2	23.4	22.2	22.2	23.4	23.4	23.4	23.4	5°	957.3
17.5	17.5	18.7	17.5	16.4	16.4	17.5	17.5	17.5	16.4	17.5	7.5°	949.1
15.2	15.2	16.4	15.2	14.0	14.0	14.0	15.2	15.2	16.4	15.2	10°	949.1
15.2	14.0	15.2	14.0	15.2	14.0	14.0	15.2	16.4	16.4	16.4	12.5°	937.4
12.9	12.9	12.9	14.0	15.2	14.0	14.0	15.2	14.0	14.0	14.0	15°	922.2
12.9	12.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	16.4	14.0	17.5°	889.5
12.9	12.9	11.7	12.9	14.0	14.0	14.0	14.0	15.2	15.2	15.2	20°	838.1
10.5	10.5	10.5	10.5	11.7	12.9	15.2	15.2	14.0	15.2	14.0	22.5°	779.6
10.5	9.4	10.5	10.5	12.9	14.0	14.0	14.0	15.2	14.0	15.2	25°	716.5
9.4	11.7	12.9	12.9	12.9	12.9	14.0	14.0	15.2	14.0	15.2	27.5°	642.9
12.9	11.7	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	30°	582.1
15.2	14.0	14.0	14.0	12.9	14.0	14.0	16.4	15.2	14.0	15.2	32.5°	543.5
17.5	16.4	15.2	14.0	15.2	15.2	15.2	15.2	16.4	16.4	16.4	35°	503.8
18.7	18.7	19.9	19.9	18.7	18.7	18.7	19.9	18.7	18.7	18.7	37.5°	473.4
19.9	19.9	21.0	22.2	22.2	21.0	21.0	22.2	23.4	23.4	23.4	40°	467.5
22.2	23.4	23.4	22.2	24.5	24.5	25.7	25.7	24.5	24.5	24.5	42.5°	488.6
25.7	24.5	24.5	24.5	24.5	25.7	26.9	25.7	26.9	26.9	26.9	45°	530.7
26.9	26.9	25.7	24.5	25.7	23.4	23.4	24.5	24.5	25.7	24.5	47.5°	565.7
26.9	26.9	25.7	25.7	25.7	26.9	25.7	25.7	25.7	26.9	25.7	50°	575.1
25.7	25.7	25.7	25.7	24.5	24.5	24.5	24.5	24.5	23.4	24.5	52.5°	576.2
24.5	23.4	23.4	24.5	24.5	24.5	24.5	23.4	23.4	23.4	23.4	55°	605.5
23.4	23.4	23.4	24.5	23.4	23.4	23.4	23.4	23.4	23.4	23.4	57.5°	635.9
22.2	22.2	22.2	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	60°	638.2
21.0	21.0	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	62.5°	631.2
21.0	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	65°	609.0
23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	67.5°	573.9
											70°	559.9
											72.5°	618.3
											75°	688.5
											77.5°	672.1
											80°	620.7
											82.5°	556.4
											85°	496.8
											87.5°	406.8
											90°	279.4
											92.5°	173.0
											95°	87.7
											97.5°	56.1
											100°	49.1
											102.5°	44.4
											105°	39.7
											107.5°	36.2
											110°	33.9

'188105
 QDCAST1B (4PANELS 30°TILT)

REPORT NUMBER: P188105
 CATALOG NUMBER: QDCAST1

TION (continued):

CANDELA DISTRIBUTION (con

277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°		275°	277.5°
967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	112.5°	28.1	29.2
965.5	964.3	964.3	964.3	963.1	963.1	965.5	964.3	963.1	963.1	115°	29.2	29.2
957.3	956.1	955.0	957.3	956.1	956.1	955.0	955.0	955.0	953.8	117.5°	23.4	22.2
949.1	947.9	946.8	945.6	944.4	944.4	942.1	940.9	939.8	937.4	120°	17.5	17.5
947.9	947.9	944.4	940.9	939.8	937.4	936.3	933.9	930.4	929.2	122.5°	15.2	14.0
937.4	933.9	933.9	931.6	928.1	924.6	924.6	924.6	925.7	925.7	125°	15.2	14.0
921.1	917.6	914.0	912.9	910.5	909.4	910.5	912.9	912.9	915.2	127.5°	15.2	14.0
888.3	886.0	883.7	881.3	877.8	876.6	877.8	877.8	879.0	881.3	130°	14.0	14.0
835.7	832.2	825.2	821.7	819.4	814.7	813.5	813.5	812.4	812.4	132.5°	14.0	14.0
773.8	764.4	757.4	750.4	743.4	738.7	730.5	725.9	722.4	721.2	135°	15.2	15.2
707.2	697.8	688.5	675.6	663.9	652.2	644.0	637.0	634.7	631.2	137.5°	14.0	14.0
637.0	626.5	617.2	605.5	594.9	584.4	576.2	569.2	563.4	559.9	140°	14.0	14.0
577.4	572.7	564.6	556.4	547.0	537.7	530.7	520.1	513.1	507.3	142.5°	14.0	14.0
541.2	535.3	528.3	520.1	514.3	504.9	495.6	486.2	480.4	473.4	145°	16.4	14.0
501.4	499.1	494.4	489.8	486.2	481.6	479.2	471.0	462.9	453.5	147.5°	15.2	15.2
471.0	471.0	469.9	471.0	474.6	473.4	471.0	465.2	457.0	447.7	150°	19.9	18.7
459.4	464.0	472.2	475.7	476.9	474.6	471.0	465.2	461.7	454.7	152.5°	22.2	21.0
493.3	496.8	504.9	506.1	500.3	494.4	489.8	486.2	481.6	473.4	155°	25.7	25.7
545.9	561.1	566.9	565.7	558.7	549.4	538.8	530.7	521.3	507.3	157.5°	25.7	26.9
593.8	619.5	638.2	647.5	646.4	639.4	619.5	598.5	578.6	555.2	160°	24.5	23.4
620.7	660.4	704.8	728.2	739.9	741.1	731.7	699.0	655.7	621.8	162.5°	25.7	25.7
624.2	686.1	748.1	794.8	834.6	845.1	828.7	800.7	765.6	714.2	165°	24.5	24.5
638.2	704.8	773.8	842.7	901.2	930.4	931.6	902.4	863.8	822.9	167.5°	23.4	24.5
674.4	724.7	797.2	870.8	932.7	983.0	1001.7	1002.9	962.0	918.7	170°	23.4	23.4
683.8	739.9	808.8	883.7	949.1	1002.9	1030.9	1047.3	1041.5	1016.9	172.5°	23.4	23.4
682.6	744.6	818.2	891.8	965.5	1000.5	1035.6	1063.7	1089.4	1089.4	175°	22.2	22.2
668.6	738.7	820.5	901.2	964.3	1002.9	1040.3	1075.3	1112.8	1139.6	177.5°	19.9	19.9
634.7	715.3	806.5	886.0	949.1	1001.7	1052.0	1089.4	1127.9	1166.5	180°	23.4	23.4
613.6	686.1	773.8	855.6	923.4	999.4	1061.3	1109.2	1157.2	1200.4			
645.2	693.1	760.9	826.4	911.7	1002.9	1078.9	1153.7	1208.6	1255.4			
697.8	723.5	759.8	806.5	897.7	997.0	1080.0	1165.4	1249.5	1323.1			
673.3	685.0	703.7	750.4	819.4	907.0	995.9	1095.2	1199.2	1285.7			
624.2	628.8	634.7	667.4	706.0	775.0	853.3	953.8	1056.6	1156.0			
564.6	570.4	576.2	591.4	611.3	652.2	710.7	797.2	880.1	979.5			
504.9	510.8	517.8	526.0	534.2	545.9	583.3	647.5	714.2	793.7			
422.0	433.6	440.7	446.5	452.3	465.2	494.4	519.0	569.2	635.9			
295.7	308.6	317.9	330.8	341.3	351.8	364.7	388.1	427.8	471.0			
184.7	194.0	202.2	215.1	229.1	238.4	244.3	268.8	294.6	310.9			
99.4	108.7	115.7	128.6	143.8	155.5	164.8	177.7	189.4	198.7			
60.8	65.5	69.0	76.0	91.2	100.5	105.2	114.5	125.1	132.1			
51.4	52.6	52.6	58.4	66.6	73.6	78.3	84.2	92.3	98.2			
44.4	45.6	45.6	47.9	52.6	59.6	63.1	67.8	72.5	74.8			
40.9	39.7	40.9	43.2	45.6	49.1	51.4	56.1	58.4	59.6			
36.2	37.4	37.4	38.6	39.7	42.1	44.4	44.4	45.6	46.8			
32.7	33.9	35.1	35.1	36.2	36.2	36.2	37.4	37.4	38.6			

REPORT NUMBER: P188105

CATALOG NUMBER: QDCAST1B (4PANEL)

B (4PANELS 30°TILT)

tinued):

CANDELA DISTRIBUTION (continued):

280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°		302.5°	305°	307.5°
30.4	31.6	31.6	32.7	32.7	32.7	33.9	32.7	31.6	0°	967.8	967.8	967.8
29.2	29.2	29.2	28.1	26.9	25.7	25.7	24.5	24.5	2.5°	964.3	963.1	962.0
22.2	23.4	22.2	22.2	21.0	19.9	18.7	18.7	17.5	5°	953.8	952.6	952.6
16.4	16.4	17.5	18.7	17.5	17.5	16.4	16.4	16.4	7.5°	937.4	937.4	937.4
14.0	14.0	15.2	16.4	15.2	15.2	14.0	14.0	15.2	10°	929.2	928.1	928.1
14.0	15.2	14.0	15.2	14.0	15.2	14.0	14.0	14.0	12.5°	926.9	926.9	929.2
14.0	15.2	14.0	12.9	12.9	12.9	12.9	12.9	12.9	15°	915.2	916.4	917.6
14.0	14.0	14.0	14.0	12.9	12.9	14.0	14.0	14.0	17.5°	884.8	886.0	888.3
14.0	14.0	12.9	11.7	12.9	12.9	12.9	12.9	12.9	20°	815.9	817.0	817.0
12.9	11.7	10.5	10.5	10.5	10.5	10.5	11.7	10.5	22.5°	721.2	721.2	723.5
14.0	12.9	10.5	10.5	9.4	10.5	10.5	10.5	10.5	25°	630.0	628.8	627.7
12.9	12.9	12.9	12.9	11.7	9.4	9.4	10.5	10.5	27.5°	555.2	552.9	551.7
14.0	14.0	14.0	14.0	11.7	12.9	11.7	11.7	11.7	30°	501.4	497.9	496.8
14.0	12.9	14.0	14.0	14.0	15.2	14.0	14.0	14.0	32.5°	468.7	464.0	462.9
15.2	15.2	14.0	15.2	16.4	17.5	17.5	17.5	17.5	35°	445.3	440.7	439.5
18.7	18.7	19.9	19.9	18.7	18.7	18.7	17.5	17.5	37.5°	441.8	434.8	432.5
21.0	22.2	22.2	21.0	19.9	19.9	18.7	18.7	17.5	40°	446.5	439.5	432.5
24.5	24.5	22.2	23.4	23.4	22.2	21.0	18.7	18.7	42.5°	464.0	455.9	445.3
25.7	24.5	24.5	24.5	24.5	25.7	24.5	24.5	24.5	45°	493.3	481.6	474.6
23.4	25.7	24.5	25.7	26.9	26.9	25.7	24.5	24.5	47.5°	538.8	522.5	514.3
26.9	25.7	25.7	25.7	26.9	26.9	26.9	26.9	25.7	50°	597.3	579.8	563.4
24.5	24.5	25.7	25.7	25.7	25.7	25.7	26.9	26.9	52.5°	668.6	640.5	620.7
24.5	24.5	24.5	23.4	23.4	24.5	24.5	24.5	24.5	55°	771.4	717.7	686.1
23.4	23.4	24.5	23.4	23.4	23.4	24.5	24.5	24.5	57.5°	870.8	820.5	775.0
23.4	23.4	23.4	22.2	22.2	22.2	23.4	23.4	23.4	60°	976.0	933.9	879.0
22.2	22.2	22.2	22.2	21.0	21.0	21.0	21.0	21.0	62.5°	1075.3	1037.9	993.5
19.9	19.9	19.9	19.9	19.9	21.0	21.0	21.0	21.0	65°	1163.0	1132.6	1089.4
23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	67.5°	1198.1	1223.8	1227.3
									70°	1243.7	1291.6	1331.3
									72.5°	1300.9	1361.7	1424.8
									75°	1359.4	1413.1	1473.9
									77.5°	1348.9	1406.1	1445.9
									80°	1248.3	1308.0	1347.7
									82.5°	1077.7	1140.8	1189.9
									85°	872.0	944.4	1006.4
									87.5°	695.5	752.7	808.8
									90°	519.0	561.1	606.6
									92.5°	333.1	377.5	417.3
									95°	210.4	238.4	265.3
									97.5°	137.9	149.6	167.1
									100°	100.5	104.0	111.0
									102.5°	78.3	78.3	81.8
									105°	58.4	59.6	64.3
									107.5°	46.8	46.8	50.3
									110°	39.7	39.7	39.7



REPORT NUMBER: P188105

CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

S 30°TILT)

CANDELA DISTRIBUTION (continued):

310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°		302.5°	305°	307.5°	310°
967.8	967.8	967.8	967.8	967.8	967.8	967.8	967.8	112.5°	32.7	31.6	29.2	28.1
964.3	964.3	963.1	964.3	964.3	962.0	963.1	964.3	115°	23.4	24.5	23.4	21.0
952.6	951.4	953.8	951.4	952.6	952.6	952.6	953.8	117.5°	18.7	18.7	18.7	19.9
936.3	936.3	935.1	936.3	936.3	937.4	937.4	937.4	120°	15.2	16.4	16.4	16.4
929.2	929.2	930.4	929.2	929.2	928.1	928.1	929.2	122.5°	14.0	14.0	14.0	15.2
931.6	932.7	935.1	932.7	931.6	929.2	926.9	926.9	125°	14.0	12.9	12.9	14.0
918.7	918.7	918.7	918.7	918.7	917.6	916.4	915.2	127.5°	12.9	14.0	14.0	11.7
890.7	890.7	890.7	890.7	890.7	888.3	886.0	884.8	130°	14.0	12.9	14.0	12.9
819.4	818.2	818.2	818.2	819.4	817.0	817.0	815.9	132.5°	12.9	11.7	12.9	12.9
724.7	723.5	722.4	723.5	724.7	723.5	721.2	721.2	135°	10.5	10.5	11.7	12.9
627.7	626.5	624.2	626.5	627.7	627.7	628.8	630.0	137.5°	10.5	10.5	10.5	10.5
545.9	544.7	542.3	544.7	545.9	551.7	552.9	555.2	140°	10.5	10.5	10.5	10.5
495.6	495.6	493.3	495.6	495.6	496.8	497.9	501.4	142.5°	11.7	10.5	10.5	11.7
462.9	460.5	460.5	460.5	462.9	462.9	464.0	468.7	145°	14.0	12.9	14.0	14.0
441.8	441.8	444.2	441.8	441.8	439.5	440.7	445.3	147.5°	15.2	15.2	14.0	14.0
429.0	429.0	430.1	429.0	429.0	432.5	434.8	441.8	150°	16.4	16.4	15.2	14.0
431.3	430.1	430.1	430.1	431.3	432.5	439.5	446.5	152.5°	17.5	17.5	16.4	16.4
441.8	439.5	439.5	439.5	441.8	445.3	455.9	464.0	155°	18.7	18.7	18.7	17.5
465.2	462.9	460.5	462.9	465.2	474.6	481.6	493.3	157.5°	24.5	23.4	22.2	23.4
504.9	499.1	497.9	497.9	504.9	514.3	522.5	538.8	160°	25.7	25.7	24.5	24.5
551.7	544.7	540.0	544.7	551.7	563.4	579.8	597.3	162.5°	24.5	24.5	25.7	25.7
606.6	597.3	591.4	597.3	606.6	620.7	640.5	668.6	165°	26.9	25.7	25.7	25.7
668.6	655.7	649.9	655.7	667.4	686.1	717.7	771.4	167.5°	24.5	24.5	26.9	26.9
730.5	718.8	713.0	718.8	730.5	775.0	820.5	870.8	170°	25.7	24.5	24.5	23.4
825.2	796.0	778.5	796.0	825.2	879.0	933.9	976.0	172.5°	23.4	23.4	21.0	21.0
946.8	902.4	881.3	902.4	946.8	993.5	1037.9	1075.3	175°	21.0	21.0	21.0	22.2
1061.3	1048.5	1045.0	1048.5	1061.3	1089.4	1132.6	1163.0	177.5°	21.0	21.0	21.0	21.0
1200.4	1192.2	1196.9	1193.4	1200.4	1227.3	1223.8	1198.1	180°	23.4	23.4	23.4	23.4
1353.5	1362.9	1360.5	1362.9	1353.5	1331.3	1291.6	1243.7					
1471.6	1496.1	1503.1	1496.1	1471.6	1424.8	1361.7	1300.9					
1519.5	1562.8	1585.0	1562.8	1519.5	1473.9	1413.1	1359.4					
1480.9	1514.8	1547.6	1514.8	1480.9	1445.9	1406.1	1348.9					
1367.6	1383.9	1400.3	1383.9	1367.6	1347.7	1308.0	1248.3					
1217.9	1229.6	1225.0	1229.6	1217.9	1189.9	1140.8	1077.7					
1052.0	1080.0	1089.4	1080.0	1052.0	1006.4	944.4	872.0					
866.1	893.0	902.4	893.0	866.1	808.8	752.7	695.5					
651.1	663.9	668.6	663.9	651.1	606.6	561.1	519.0					
438.3	450.0	453.5	450.0	438.3	417.3	377.5	333.1					
279.4	285.2	289.9	285.2	279.4	265.3	238.4	210.4					
173.0	176.5	180.0	176.5	173.0	167.1	149.6	137.9					
113.4	114.5	116.9	114.5	113.4	111.0	104.0	100.5					
83.0	83.0	81.8	83.0	83.0	81.8	78.3	78.3					
67.8	67.8	67.8	67.8	67.8	64.3	60.8	58.4					
53.8	57.3	56.1	57.3	53.8	50.3	46.8	46.8					
40.9	40.9	42.1	40.9	40.9	39.7	39.7	39.7					



REPORT NUMBER: P188105

CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

CANDELA DISTRIBUTION (continued):

312.5°	315°	317.5°	320°	322.5°	325°	327.5°		330°	332.5°	335°	337.5°	340°
29.2	30.4	29.2	28.1	29.2	31.6	32.7	0°	967.8	967.8	967.8	967.8	967.8
23.4	21.0	23.4	21.0	23.4	24.5	23.4	2.5°	963.1	963.1	964.3	965.5	963.1
18.7	18.7	18.7	19.9	18.7	18.7	18.7	5°	953.8	955.0	955.0	955.0	956.1
16.4	16.4	16.4	16.4	16.4	16.4	15.2	7.5°	937.4	939.8	940.9	942.1	944.4
14.0	14.0	14.0	15.2	14.0	14.0	14.0	10°	929.2	931.6	933.9	936.3	937.4
14.0	14.0	14.0	14.0	12.9	12.9	14.0	12.5°	925.7	925.7	924.6	924.6	924.6
11.7	11.7	11.7	11.7	14.0	14.0	12.9	15°	915.2	912.9	912.9	910.5	909.4
11.7	11.7	11.7	12.9	14.0	12.9	14.0	17.5°	881.3	879.0	877.8	877.8	876.6
12.9	14.0	12.9	12.9	12.9	11.7	12.9	20°	812.4	812.4	813.5	813.5	814.7
12.9	14.0	12.9	12.9	11.7	10.5	10.5	22.5°	721.2	722.4	727.0	730.5	738.7
11.7	11.7	11.7	10.5	10.5	10.5	10.5	25°	631.2	634.7	637.0	644.0	652.2
11.7	11.7	11.7	10.5	10.5	10.5	10.5	27.5°	559.9	563.4	569.2	576.2	584.4
11.7	11.7	11.7	11.7	10.5	10.5	11.7	30°	507.3	513.1	520.1	529.5	537.7
14.0	14.0	14.0	14.0	14.0	12.9	14.0	32.5°	473.4	480.4	486.2	495.6	504.9
14.0	14.0	14.0	14.0	14.0	15.2	15.2	35°	453.5	462.9	471.0	479.2	481.6
14.0	14.0	14.0	14.0	15.2	16.4	16.4	37.5°	447.7	457.0	465.2	471.0	473.4
16.4	16.4	16.4	16.4	16.4	17.5	17.5	40°	454.7	461.7	465.2	471.0	474.6
17.5	18.7	17.5	17.5	18.7	18.7	18.7	42.5°	473.4	481.6	486.2	489.8	494.4
23.4	23.4	23.4	23.4	22.2	23.4	24.5	45°	507.3	521.3	530.7	538.8	549.4
23.4	23.4	23.4	24.5	24.5	25.7	25.7	47.5°	555.2	578.6	598.5	620.7	639.4
25.7	23.4	25.7	25.7	25.7	24.5	24.5	50°	621.8	655.7	699.0	731.7	741.1
28.1	28.1	28.1	25.7	25.7	25.7	26.9	52.5°	714.2	765.6	800.7	828.7	845.1
25.7	25.7	25.7	26.9	26.9	24.5	24.5	55°	822.9	863.8	902.4	931.6	930.4
23.4	23.4	23.4	23.4	24.5	24.5	25.7	57.5°	918.7	962.0	1002.9	1001.7	983.0
21.0	21.0	21.0	21.0	21.0	23.4	23.4	60°	1016.9	1041.5	1047.3	1030.9	1002.9
22.2	21.0	22.2	22.2	21.0	21.0	21.0	62.5°	1089.4	1089.4	1063.7	1035.6	1000.5
21.0	21.0	21.0	21.0	21.0	21.0	21.0	65°	1139.6	1112.8	1074.2	1040.3	1002.9
23.4	23.4	23.4	23.4	23.4	23.4	23.4	67.5°	1166.5	1127.9	1089.4	1052.0	1001.7
							70°	1200.4	1157.2	1109.2	1061.3	999.4
							72.5°	1255.4	1208.6	1153.7	1078.9	1002.9
							75°	1323.1	1249.5	1165.4	1080.0	997.0
							77.5°	1285.7	1199.2	1095.2	995.9	907.0
							80°	1156.0	1056.6	953.8	853.3	775.0
							82.5°	979.5	880.1	797.2	710.7	652.2
							85°	793.7	714.2	647.5	583.3	545.9
							87.5°	635.9	569.2	519.0	494.4	465.2
							90°	471.0	427.8	388.1	364.7	351.8
							92.5°	310.9	294.6	268.8	245.5	238.4
							95°	198.7	189.4	177.7	164.8	155.5
							97.5°	132.1	125.1	114.5	105.2	100.5
							100°	98.2	92.3	84.2	78.3	73.6
							102.5°	74.8	72.5	67.8	63.1	59.6
							105°	59.6	58.4	56.1	51.4	49.1
							107.5°	46.8	45.6	44.4	44.4	42.1
							110°	38.6	37.4	37.4	36.2	36.2



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CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

CANDELA DISTRIBUTION (continued):

342.5°	345°	347.5°	350°	352.5°	355°		330°	332.5°	335°	337.5°	340°	342.5°
967.8	967.8	967.8	967.8	967.8	967.8	112.5°	31.6	32.7	33.9	32.7	32.7	32.7
963.1	964.3	964.3	964.3	965.5	964.3	115°	24.5	24.5	25.7	25.7	26.9	28.1
956.1	957.3	955.0	956.1	957.3	957.3	117.5°	17.5	18.7	18.7	19.9	21.0	22.2
944.4	945.6	946.8	947.9	949.1	949.1	120°	16.4	16.4	16.4	17.5	17.5	18.7
939.8	940.9	944.4	947.9	947.9	949.1	122.5°	15.2	14.0	14.0	15.2	15.2	16.4
928.1	931.6	933.9	933.9	937.4	937.4	125°	14.0	14.0	14.0	15.2	14.0	15.2
910.5	912.9	914.0	917.6	921.1	922.2	127.5°	12.9	12.9	12.9	12.9	12.9	12.9
877.8	881.3	883.7	886.0	888.3	889.5	130°	14.0	14.0	14.0	12.9	12.9	14.0
819.4	821.7	825.2	832.2	835.7	838.1	132.5°	12.9	12.9	12.9	12.9	12.9	11.7
743.4	750.4	757.4	764.4	773.8	779.6	135°	10.5	11.7	10.5	10.5	10.5	10.5
663.9	675.6	688.5	697.8	707.2	716.5	137.5°	10.5	10.5	10.5	10.5	9.4	10.5
594.9	605.5	617.2	626.5	637.0	642.9	140°	10.5	10.5	9.4	9.4	11.7	12.9
547.0	556.4	564.6	572.7	577.4	582.1	142.5°	11.7	11.7	11.7	12.9	11.7	14.0
514.3	520.1	528.3	535.3	541.2	543.5	145°	14.0	14.0	14.0	15.2	14.0	14.0
486.2	489.8	494.4	499.1	501.4	503.8	147.5°	17.5	17.5	17.5	17.5	16.4	15.2
474.6	471.0	469.9	471.0	471.0	473.4	150°	17.5	17.5	18.7	18.7	18.7	19.9
476.9	475.7	472.2	464.0	459.4	467.5	152.5°	17.5	18.7	18.7	19.9	19.9	21.0
500.3	506.1	504.9	496.8	493.3	488.6	155°	18.7	18.7	21.0	22.2	23.4	23.4
558.7	565.7	566.9	561.1	545.9	530.7	157.5°	24.5	24.5	24.5	25.7	24.5	24.5
646.4	647.5	638.2	619.5	593.8	565.7	160°	24.5	24.5	25.7	26.9	26.9	25.7
739.9	728.2	704.8	660.4	620.7	575.1	162.5°	25.7	26.9	26.9	26.9	26.9	25.7
834.6	794.8	748.1	686.1	624.2	576.2	165°	26.9	26.9	25.7	25.7	25.7	25.7
901.2	845.1	773.8	704.8	638.2	605.5	167.5°	24.5	24.5	24.5	24.5	23.4	23.4
932.7	870.8	797.2	724.7	674.4	635.9	170°	24.5	24.5	24.5	23.4	23.4	23.4
949.1	883.7	808.8	739.9	685.0	637.0	172.5°	23.4	23.4	23.4	22.2	22.2	22.2
965.5	891.8	818.2	744.6	682.6	631.2	175°	21.0	21.0	21.0	21.0	21.0	22.2
964.3	901.2	820.5	738.7	668.6	609.0	177.5°	21.0	21.0	21.0	21.0	19.9	19.9
949.1	886.0	806.5	715.3	634.7	573.9	180°	23.4	23.4	23.4	23.4	23.4	23.4
923.4	855.6	773.8	686.1	613.6	559.9							
911.7	826.4	759.8	693.1	646.4	618.3							
898.9	806.5	759.8	723.5	697.8	688.5							
819.4	750.4	703.7	685.0	673.3	672.1							
706.0	667.4	634.7	628.8	624.2	620.7							
611.3	591.4	576.2	571.6	564.6	556.4							
534.2	526.0	517.8	510.8	504.9	496.8							
452.3	446.5	440.7	433.6	422.0	406.8							
341.3	330.8	317.9	308.6	295.7	279.4							
229.1	215.1	202.2	194.0	184.7	173.0							
143.8	128.6	115.7	108.7	99.4	87.7							
91.2	76.0	69.0	65.5	60.8	56.1							
66.6	58.4	52.6	52.6	51.4	49.1							
52.6	47.9	45.6	45.6	44.4	44.4							
45.6	43.2	40.9	39.7	40.9	39.7							
39.7	38.6	37.4	37.4	36.2	36.2							
36.2	35.1	35.1	33.9	32.7	33.9							

REPORT NUMBER: P188105

CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

CANDELA DISTRIBUTION (continued):

345°	347.5°	350°	352.5°	355°		357.5°	360°
31.6	31.6	30.4	29.2	28.1	0°	967.8	967.8
29.2	29.2	29.2	29.2	29.2	2.5°	964.3	965.5
22.2	23.4	22.2	22.2	23.4	5°	957.3	958.5
17.5	16.4	16.4	17.5	17.5	7.5°	949.1	949.1
15.2	14.0	14.0	14.0	15.2	10°	947.9	949.1
14.0	15.2	14.0	14.0	15.2	12.5°	937.4	939.8
14.0	15.2	14.0	14.0	15.2	15°	921.1	919.9
14.0	14.0	14.0	14.0	14.0	17.5°	890.7	893.0
12.9	14.0	14.0	14.0	14.0	20°	841.6	846.3
10.5	11.7	12.9	15.2	15.2	22.5°	779.6	783.1
10.5	12.9	14.0	14.0	14.0	25°	718.8	721.2
12.9	12.9	12.9	14.0	14.0	27.5°	648.7	651.1
14.0	14.0	14.0	14.0	14.0	30°	586.8	586.8
14.0	12.9	14.0	14.0	16.4	32.5°	542.3	542.3
14.0	15.2	15.2	15.2	15.2	35°	503.8	503.8
19.9	18.7	18.7	18.7	19.9	37.5°	473.4	476.9
22.2	22.2	21.0	21.0	22.2	40°	475.7	476.9
22.2	24.5	24.5	25.7	25.7	42.5°	494.4	495.6
24.5	24.5	25.7	26.9	25.7	45°	513.1	515.5
24.5	25.7	23.4	23.4	24.5	47.5°	536.5	513.1
25.7	25.7	26.9	25.7	25.7	50°	540.0	538.8
25.7	24.5	24.5	24.5	24.5	52.5°	563.4	559.9
24.5	24.5	24.5	24.5	23.4	55°	590.3	586.8
24.5	23.4	23.4	23.4	23.4	57.5°	611.3	605.5
23.4	23.4	23.4	23.4	23.4	60°	604.3	591.4
22.2	22.2	22.2	22.2	22.2	62.5°	594.9	580.9
19.9	19.9	19.9	19.9	19.9	65°	570.4	558.7
23.4	23.4	23.4	23.4	23.4	67.5°	531.8	523.6
					70°	533.0	528.3
					72.5°	614.8	614.8
					75°	686.1	687.3
					77.5°	674.4	675.6
					80°	619.5	617.2
					82.5°	551.7	549.4
					85°	494.4	489.8
					87.5°	403.3	403.3
					90°	273.5	264.2
					92.5°	175.3	176.5
					95°	86.5	86.5
					97.5°	56.1	56.1
					100°	49.1	50.3
					102.5°	44.4	43.2
					105°	40.9	42.1
					107.5°	36.2	37.4
					110°	33.9	32.7

REPORT NUMBER: P188105
CATALOG NUMBER: QDCAST1B (4PANELS 30°TILT)

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	28.1	29.2
115°	29.2	30.4
117.5°	23.4	23.4
120°	17.5	16.4
122.5°	15.2	16.4
125°	16.4	16.4
127.5°	14.0	14.0
130°	14.0	16.4
132.5°	15.2	15.2
135°	14.0	15.2
137.5°	15.2	14.0
140°	15.2	14.0
142.5°	14.0	14.0
145°	15.2	14.0
147.5°	16.4	16.4
150°	18.7	18.7
152.5°	23.4	23.4
155°	24.5	24.5
157.5°	26.9	26.9
160°	24.5	25.7
162.5°	25.7	26.9
165°	24.5	23.4
167.5°	23.4	23.4
170°	23.4	23.4
172.5°	23.4	23.4
175°	22.2	22.2
177.5°	19.9	19.9
180°	23.4	23.4

(END OF REPORT)