

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: NEO-RAY

Report Number: P333359-830

Luminaire Tested: **S125DIW-S375D1340U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333359-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S375D1340U830-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5835.3 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.43 / 1.23 / 1.52
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Indirect

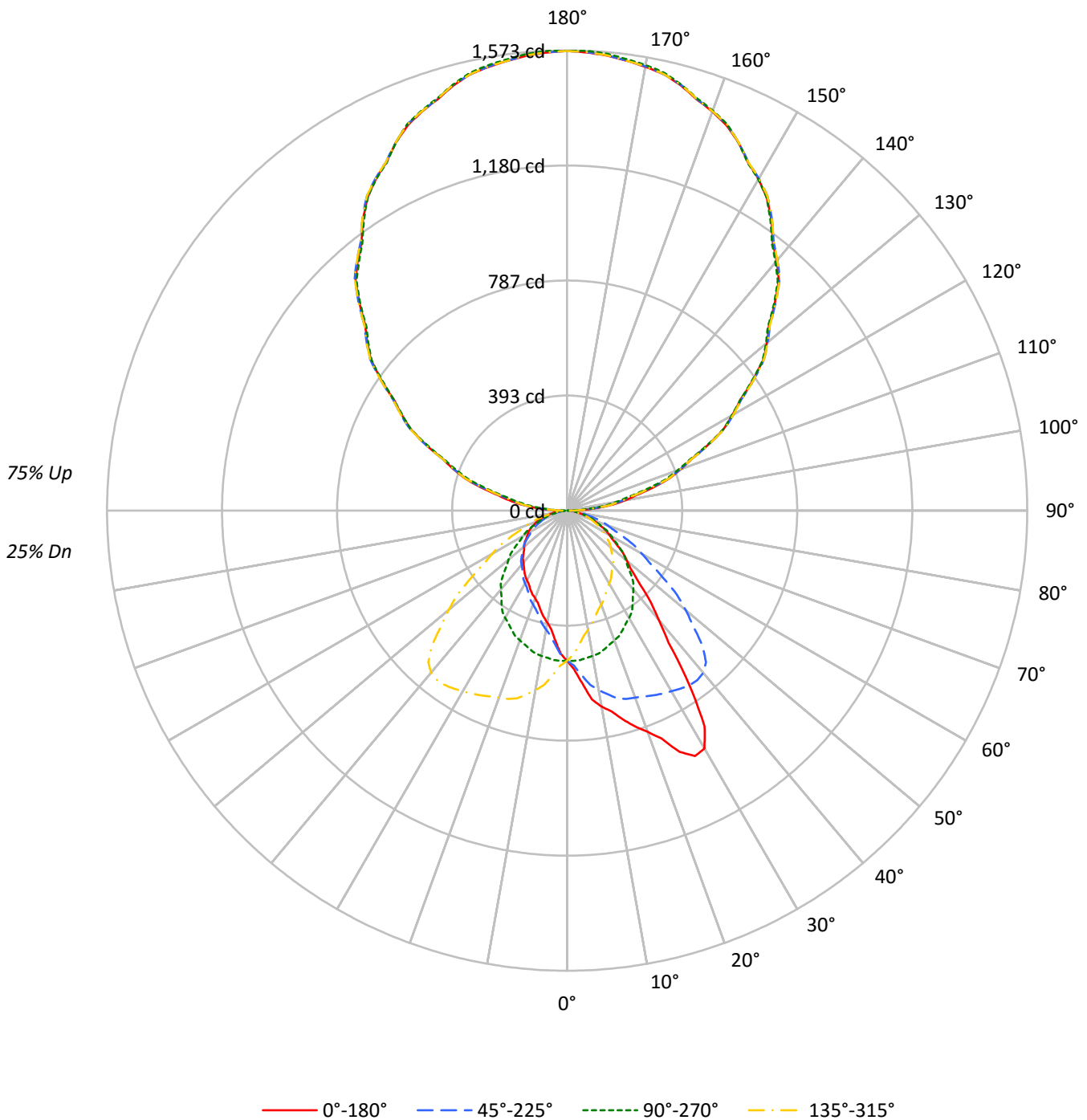
Input Watts (W): 46.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	101	101	101	101	90	90	90	90	69	69	69	50	50	50	33	33	33	25
1	92	88	84	81	82	79	76	73	61	59	57	44	43	42	29	29	28	21
2	84	77	71	66	75	69	64	60	53	50	47	39	37	35	26	25	24	18
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	23	22	20	15
4	70	60	52	47	62	54	47	42	42	37	34	31	28	26	21	19	18	13
5	64	53	45	40	57	48	41	36	37	33	29	28	24	22	19	17	15	11
6	59	48	40	34	52	43	36	31	33	29	25	25	22	19	17	15	13	10
7	54	43	35	30	48	38	32	27	30	25	22	23	19	17	15	13	12	9
8	50	39	31	26	45	35	28	24	27	23	19	21	17	15	14	12	11	8
9	47	35	28	23	42	32	25	21	25	20	17	19	16	13	13	11	10	7
10	44	32	25	21	39	29	23	19	23	18	15	17	14	12	12	10	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3314	3314	3314	3314
5°	3837	3325	2912	3325
10°	4465	3308	2551	3308
15°	4942	3284	2353	3284
20°	5532	3245	2194	3245
25°	6481	3202	2117	3202
30°	7000	3159	2049	3159
35°	5755	3079	2006	3079
40°	4091	2967	1957	2967
45°	3143	2817	1929	2817
50°	2683	2629	1925	2629
55°	2389	2448	1942	2448
60°	2155	2248	1992	2248
65°	1991	2046	2043	2046
70°	1811	1839	2073	1839
75°	1597	1619	2054	1619
80°	1346	1320	1878	1320
85°	1067	948	1519	948



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	0.8
10°-20°	147.1	2.5
20°-30°	238.8	4.1
30°-40°	291.3	5.0
40°-50°	265.0	4.5
50°-60°	211.1	3.6
60°-70°	147.0	2.5
70°-80°	78.4	1.3
80°-90°	23.2	0.4
90°-100°	105.2	1.8
100°-110°	310.7	5.3
110°-120°	526.3	9.0
120°-130°	692.7	11.9
130°-140°	776.1	13.3
140°-150°	760.7	13.0
150°-160°	638.9	10.9
160°-170°	424.7	7.3
170°-180°	148.6	2.5
0°-30°	435.3	7.5
0°-40°	726.6	12.5
0°-60°	1202.7	20.6
0°-90°	1451.4	24.9
90°-120°	942.3	16.1
90°-150°	3171.8	54.4
90°-180°	4384.0	75.1
0°-180°	5835.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	513	513	513	513	513	
5°	592	513	449	513	592	60
15°	739	491	352	491	739	212
25°	910	449	297	449	910	415
35°	730	390	254	390	730	447
45°	344	308	211	308	344	275
55°	212	217	172	217	212	191
65°	130	134	134	134	130	129
75°	64	65	82	65	64	69
85°	14	13	20	13	14	17
90°	29	1	29	1	29	17
95°	105	80	105	80	105	107
105°	303	279	303	279	303	321
115°	532	527	532	527	532	526
125°	774	769	774	769	774	691
135°	1004	1000	1004	1000	1004	774
145°	1216	1212	1216	1212	1216	759
155°	1386	1386	1386	1386	1386	638
165°	1504	1508	1504	1508	1504	424
175°	1561	1567	1561	1567	1561	148
180°	1571	1571	1571	1571	1571	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	542.7	542.1	541.3	540.0	541.0	538.0	536.7	534.2	531.2	530.2	529.0
5°	591.9	593.0	594.2	589.6	590.0	586.9	579.9	574.3	569.8	563.8	559.7
7.5°	651.2	648.7	648.4	645.5	640.4	636.2	629.0	619.6	610.6	600.3	591.8
10°	680.8	681.1	679.1	675.6	670.1	666.2	656.7	647.5	636.4	623.3	614.0
12.5°	703.1	704.1	701.5	696.8	694.2	685.4	677.9	667.0	653.8	643.4	629.1
15°	739.1	736.8	735.1	729.2	724.6	715.5	703.5	692.1	677.8	664.5	651.2
17.5°	773.9	775.9	772.6	767.2	753.0	742.3	726.3	710.8	692.9	675.0	659.2
20°	804.9	806.7	801.7	792.3	775.3	764.7	743.6	723.5	702.9	680.0	662.5
22.5°	843.7	842.3	835.5	821.2	806.5	786.8	763.9	739.5	713.6	687.8	664.6
25°	909.5	900.3	896.2	878.5	859.2	830.2	798.9	763.2	730.9	696.7	667.1
27.5°	946.0	943.1	938.5	926.2	905.9	874.9	837.9	794.4	748.9	705.8	666.9
30°	938.7	939.1	939.5	935.7	922.6	899.3	862.4	815.7	761.6	713.0	668.2
32.5°	873.8	881.7	889.4	898.3	902.0	897.5	874.5	832.2	776.6	721.4	667.5
35°	730.0	732.4	757.1	781.5	814.5	840.3	857.4	838.7	791.9	728.5	666.7
37.5°	569.2	581.0	598.0	625.6	673.4	716.1	771.2	796.4	781.4	730.8	665.2
40°	485.2	496.2	507.3	535.4	575.6	627.5	689.9	743.3	755.7	723.5	659.9
42.5°	420.5	429.0	441.4	462.5	496.2	542.1	601.8	671.6	714.4	702.3	648.9
45°	344.1	349.6	359.1	375.9	400.3	436.2	488.9	565.1	631.6	653.6	622.9
47.5°	294.5	294.5	302.0	313.5	331.1	361.7	400.7	460.3	531.3	583.8	581.4
50°	267.0	265.9	271.8	281.8	295.8	316.0	353.3	401.0	469.1	528.6	545.2
52.5°	243.3	243.5	247.0	254.5	266.2	283.4	311.2	354.3	412.5	473.5	504.7
55°	212.2	211.2	215.4	220.4	228.9	240.3	260.2	293.1	340.4	400.5	441.0
57.5°	183.5	186.0	187.6	191.1	198.1	205.8	222.6	246.8	284.3	335.8	378.6
60°	166.8	169.2	170.5	174.0	179.6	186.2	199.3	218.9	250.4	294.9	337.3
62.5°	151.8	153.7	154.2	157.3	161.9	168.2	178.5	195.0	220.0	258.8	300.4
65°	130.3	130.3	131.1	134.4	136.6	142.2	150.1	162.0	182.1	212.4	247.9
67.5°	109.4	110.5	110.3	111.7	113.7	118.1	123.7	133.6	148.5	170.5	199.0
70°	95.9	96.7	96.5	97.6	99.7	102.5	107.2	116.5	127.1	146.1	170.5
72.5°	83.6	84.0	83.4	84.8	86.1	88.6	93.8	98.8	108.7	124.7	144.8
75°	64.0	64.5	64.9	65.8	67.1	68.4	71.0	76.0	82.6	94.5	107.4
77.5°	48.0	47.1	48.3	48.1	48.8	49.9	52.1	54.8	60.1	67.8	77.7
80°	36.2	36.4	36.4	36.6	37.7	38.4	40.2	42.2	46.4	52.0	59.0
82.5°	26.4	27.0	26.6	27.1	27.9	28.4	29.5	31.1	33.5	38.0	43.0
85°	14.4	13.3	13.8	14.1	14.1	14.4	15.3	15.9	17.2	18.9	20.9
87.5°	10.1	10.3	10.3	10.1	10.1	9.9	10.3	10.0	10.3	10.6	10.8
90°	29.3	28.6	27.7	26.9	26.1	25.0	23.7	22.2	20.9	19.6	17.6
92.5°	57.7	57.1	56.6	55.9	55.3	54.1	52.3	50.5	48.7	46.9	44.6
95°	105.2	104.6	104.1	103.5	102.9	101.8	99.8	97.9	96.0	94.2	91.4
97.5°	159.5	159.1	158.8	158.4	158.2	157.0	155.2	153.4	151.7	149.9	146.2
100°	200.5	200.0	199.4	198.9	198.3	196.8	194.4	192.0	189.5	187.1	183.5
102.5°	241.6	240.8	240.1	239.3	238.6	236.9	234.1	231.5	228.8	226.2	224.4
105°	303.2	302.4	301.6	300.8	299.9	298.7	297.1	295.5	293.9	292.2	290.6
107.5°	366.3	366.4	366.4	366.5	366.6	366.2	365.3	364.5	363.7	362.9	361.7
110°	413.2	413.5	413.8	414.1	414.3	414.1	413.2	412.5	411.6	410.8	410.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	459.2	459.7	460.2	460.7	461.2	461.2	460.8	460.4	460.1	459.7	458.6
115°	531.9	532.2	532.3	532.6	532.9	533.2	533.5	533.8	534.0	534.3	533.8
117.5°	602.8	603.9	604.9	606.1	607.1	607.6	607.3	607.1	606.9	606.7	606.1
120°	651.7	652.7	653.8	654.9	656.0	656.6	656.6	656.6	656.6	656.6	656.3
122.5°	700.6	701.4	702.3	703.1	704.1	704.6	704.8	705.0	705.2	705.5	704.7
125°	773.9	774.2	774.5	774.8	775.1	775.4	776.0	776.5	777.0	777.6	777.3
127.5°	844.3	844.9	845.5	846.0	846.5	847.0	847.2	847.4	847.7	848.0	847.7
130°	891.3	891.8	892.4	893.0	893.4	893.9	894.2	894.4	894.7	894.9	894.4
132.5°	935.3	936.0	936.8	937.6	938.4	938.9	939.1	939.4	939.7	940.0	940.1
135°	1003.8	1004.8	1006.0	1007.0	1008.1	1008.7	1008.7	1008.7	1008.7	1008.7	1008.4
137.5°	1070.8	1072.1	1073.5	1074.9	1076.2	1076.8	1076.4	1076.1	1075.7	1075.4	1074.9
140°	1113.8	1115.2	1116.5	1117.9	1119.3	1119.6	1119.1	1118.6	1118.0	1117.5	1116.6
142.5°	1154.9	1156.2	1157.6	1159.0	1160.4	1160.8	1160.6	1160.2	1159.9	1159.5	1158.5
145°	1216.5	1217.3	1218.1	1219.0	1219.7	1220.2	1220.2	1220.2	1220.2	1220.2	1219.4
147.5°	1269.1	1270.9	1272.8	1274.6	1276.5	1277.1	1276.4	1275.7	1275.2	1274.5	1273.8
150°	1308.2	1308.7	1309.3	1309.9	1310.4	1310.7	1310.7	1310.7	1310.7	1310.7	1309.6
152.5°	1340.5	1341.4	1342.5	1343.4	1344.4	1344.5	1343.9	1343.2	1342.7	1342.0	1341.5
155°	1386.5	1387.8	1389.2	1390.5	1391.9	1392.0	1390.9	1389.9	1388.7	1387.7	1387.4
157.5°	1424.8	1426.6	1428.4	1430.2	1432.0	1432.4	1431.3	1430.2	1429.1	1428.0	1427.8
160°	1451.2	1452.6	1454.0	1455.4	1456.7	1456.8	1455.8	1454.6	1453.6	1452.5	1452.2
162.5°	1473.8	1475.4	1476.9	1478.5	1480.1	1480.2	1478.8	1477.6	1476.3	1475.0	1474.9
165°	1503.8	1505.4	1507.1	1508.7	1510.3	1510.6	1509.6	1508.4	1507.4	1506.3	1506.0
167.5°	1527.8	1529.5	1531.2	1532.9	1534.6	1534.6	1533.0	1531.3	1529.7	1528.0	1528.0
170°	1540.5	1542.4	1544.4	1546.2	1548.1	1548.2	1546.6	1545.0	1543.4	1541.7	1541.7
172.5°	1551.2	1552.9	1554.6	1556.3	1558.0	1558.0	1556.4	1554.8	1553.1	1551.5	1551.5
175°	1561.3	1563.2	1565.1	1567.0	1568.9	1569.1	1567.4	1565.8	1564.1	1562.5	1562.5
177.5°	1567.2	1568.7	1570.2	1571.7	1573.3	1573.4	1572.1	1570.7	1569.4	1568.1	1568.4
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	527.9	526.7	525.3	522.8	519.9	518.3	515.9	514.3	511.2	508.6	505.8
5°	554.7	549.0	543.8	537.1	529.7	524.9	519.2	512.9	506.3	499.6	492.2
7.5°	582.5	572.4	561.6	549.9	538.4	527.8	517.7	507.9	498.7	487.5	478.1
10°	601.1	588.4	575.0	559.1	543.6	530.1	516.4	504.4	492.2	479.2	467.6
12.5°	619.7	602.9	583.8	566.4	547.8	531.5	515.4	500.0	484.7	470.2	456.8
15°	632.9	618.1	600.5	575.6	554.7	532.3	511.0	491.2	472.6	456.5	439.5
17.5°	641.6	622.5	603.5	579.8	552.3	527.3	503.0	480.3	459.5	439.0	422.7
20°	643.1	623.5	603.7	580.4	552.3	523.6	499.4	472.2	449.8	428.6	408.6
22.5°	642.6	620.4	598.8	574.9	547.4	520.9	491.7	464.0	439.6	418.9	397.9
25°	637.7	614.0	586.9	562.8	535.7	507.7	478.1	449.3	424.5	400.8	380.0
27.5°	633.6	602.9	572.2	544.0	517.9	492.2	463.8	434.4	406.9	382.9	363.4
30°	628.6	594.7	560.3	530.9	504.2	479.2	452.3	423.6	394.8	371.4	350.4
32.5°	624.1	584.7	548.4	516.3	488.0	463.6	438.9	411.6	383.3	359.5	338.6
35°	615.3	569.8	528.1	492.0	461.8	436.7	415.9	390.5	364.6	341.5	321.5
37.5°	604.2	550.2	505.5	467.6	434.4	408.0	388.8	369.2	344.3	322.1	304.0
40°	595.4	536.2	488.9	450.2	415.8	388.3	370.4	351.9	331.3	310.6	291.4
42.5°	584.5	523.7	472.2	430.5	396.4	369.7	350.9	335.3	317.0	297.7	279.9
45°	564.3	501.0	445.2	400.3	365.9	339.5	320.2	308.4	294.6	276.4	261.4
47.5°	534.6	473.6	415.9	369.7	334.1	309.7	291.5	280.2	270.6	257.0	243.4
50°	508.3	453.3	394.8	348.9	313.4	288.8	272.0	261.7	253.5	243.1	231.5
52.5°	478.9	427.6	374.1	328.7	293.5	269.3	252.9	243.8	237.0	229.5	218.1
55°	432.1	388.5	338.8	295.8	263.3	239.6	225.2	217.4	211.7	206.0	199.1
57.5°	380.6	346.5	302.6	263.1	233.2	211.6	198.2	190.6	186.2	183.2	179.2
60°	344.3	315.2	277.3	241.3	212.2	192.9	179.9	174.0	170.3	168.0	164.9
62.5°	310.7	286.7	251.7	218.9	193.3	175.2	163.5	157.8	154.3	153.1	150.6
65°	261.2	242.6	213.7	186.4	164.7	149.2	139.4	133.9	131.8	130.4	130.6
67.5°	212.3	201.0	177.8	154.6	137.1	124.2	116.3	112.2	111.0	109.3	109.3
70°	182.5	174.0	154.4	134.1	118.7	108.7	101.7	97.4	96.2	95.4	95.2
72.5°	156.2	148.7	131.8	115.6	101.6	92.8	87.1	84.5	82.7	82.2	82.1
75°	117.3	113.3	99.7	86.9	77.3	71.3	67.3	64.9	63.6	63.3	63.6
77.5°	83.4	79.8	71.3	62.1	56.1	51.5	48.2	47.3	45.9	45.9	45.7
80°	62.7	60.3	54.9	47.7	42.7	38.7	37.0	35.5	35.1	34.4	35.1
82.5°	45.4	42.9	39.2	34.6	30.4	28.2	26.4	25.9	25.6	25.4	25.4
85°	22.4	22.6	20.5	17.0	15.3	13.9	12.8	12.8	12.6	12.4	12.6
87.5°	10.8	10.1	9.0	8.1	6.8	5.8	5.2	5.0	4.9	5.1	5.7
90°	15.7	13.9	12.0	9.9	7.7	5.6	3.4	1.2	3.4	5.6	7.7
92.5°	42.3	40.0	37.6	35.6	34.1	32.6	31.1	29.6	31.1	32.6	34.1
95°	88.7	86.0	83.3	81.6	81.1	80.6	80.0	79.5	80.0	80.6	81.1
97.5°	142.4	138.6	134.9	132.9	132.7	132.5	132.2	132.1	132.2	132.5	132.7
100°	180.0	176.4	173.0	171.2	171.2	171.2	171.2	171.2	171.2	171.2	171.2
102.5°	222.6	220.8	219.0	217.5	216.5	215.4	214.3	213.2	214.3	215.4	216.5
105°	289.0	287.3	285.7	284.2	282.9	281.4	280.1	278.8	280.1	281.4	282.9
107.5°	360.3	359.1	357.9	356.6	355.2	353.8	352.5	351.1	352.5	353.8	355.2
110°	409.2	408.4	407.6	406.4	405.1	403.8	402.4	401.1	402.4	403.8	405.1



TEST NUMBER: P333359-830

CATALOG NUMBER: S125DIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	457.6	456.6	455.6	454.7	454.0	453.3	452.6	451.9	452.6	453.3	454.0
115°	533.2	532.6	532.2	531.3	530.2	529.1	528.0	527.0	528.0	529.1	530.2
117.5°	605.7	605.2	604.7	604.3	603.7	603.2	602.8	602.3	602.8	603.2	603.7
120°	656.0	655.7	655.4	654.7	653.3	652.0	650.5	649.2	650.5	652.0	653.3
122.5°	704.1	703.3	702.7	702.0	701.5	701.1	700.6	700.1	700.6	701.1	701.5
125°	777.0	776.7	776.5	775.5	773.9	772.3	770.6	769.0	770.6	772.3	773.9
127.5°	847.3	847.1	846.7	846.1	845.2	844.2	843.3	842.4	843.3	844.2	845.2
130°	893.9	893.3	892.8	891.8	890.5	889.1	887.8	886.4	887.8	889.1	890.5
132.5°	940.2	940.3	940.4	939.3	937.1	934.9	932.6	930.4	932.6	934.9	937.1
135°	1008.1	1007.9	1007.6	1006.6	1005.0	1003.3	1001.7	1000.1	1001.7	1003.3	1005.0
137.5°	1074.2	1073.7	1073.0	1072.0	1070.4	1068.8	1067.2	1065.6	1067.2	1068.8	1070.4
140°	1115.9	1115.0	1114.2	1113.1	1111.8	1110.4	1109.1	1107.7	1109.1	1110.4	1111.8
142.5°	1157.4	1156.4	1155.4	1154.3	1153.2	1152.1	1150.9	1149.8	1150.9	1152.1	1153.2
145°	1218.5	1217.8	1216.9	1216.0	1214.8	1213.8	1212.7	1211.6	1212.7	1213.8	1214.8
147.5°	1273.2	1272.5	1271.9	1271.2	1270.6	1270.1	1269.4	1268.9	1269.4	1270.1	1270.6
150°	1308.5	1307.4	1306.3	1305.9	1306.2	1306.5	1306.7	1307.0	1306.7	1306.5	1306.2
152.5°	1341.0	1340.7	1340.2	1339.8	1339.4	1339.1	1338.7	1338.3	1338.7	1339.1	1339.4
155°	1387.1	1386.9	1386.6	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5
157.5°	1427.5	1427.2	1426.9	1427.1	1427.7	1428.3	1428.9	1429.5	1428.9	1428.3	1427.7
160°	1452.0	1451.7	1451.4	1451.7	1452.5	1453.3	1454.2	1454.9	1454.2	1453.3	1452.5
162.5°	1474.9	1474.8	1474.8	1475.1	1475.6	1476.2	1476.9	1477.4	1476.9	1476.2	1475.6
165°	1505.7	1505.4	1505.2	1505.3	1505.9	1506.4	1506.9	1507.5	1506.9	1506.4	1505.9
167.5°	1528.0	1528.0	1528.0	1528.6	1529.7	1530.8	1531.8	1533.0	1531.8	1530.8	1529.7
170°	1541.7	1541.7	1541.7	1542.3	1543.4	1544.5	1545.6	1546.6	1545.6	1544.5	1543.4
172.5°	1551.5	1551.5	1551.5	1552.1	1553.1	1554.3	1555.3	1556.4	1555.3	1554.3	1553.1
175°	1562.5	1562.5	1562.5	1563.1	1564.1	1565.3	1566.3	1567.4	1566.3	1565.3	1564.1
177.5°	1568.6	1568.8	1569.1	1569.5	1570.5	1571.3	1572.2	1573.0	1572.2	1571.3	1570.5
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1



TEST NUMBER: P333359-830

CATALOG NUMBER: S125DIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	504.3	502.3	500.8	497.3	495.3	492.8	490.7	492.9	490.5	491.5	489.9
5°	488.5	482.4	478.1	471.7	466.3	461.3	457.6	456.9	455.2	454.3	451.7
7.5°	469.6	461.9	454.5	446.2	439.2	432.2	427.6	423.9	421.4	418.1	415.8
10°	458.5	448.2	439.5	429.5	420.8	413.1	407.1	404.0	401.1	397.0	395.5
12.5°	444.7	434.1	423.5	412.7	404.4	395.9	390.7	386.1	384.1	379.5	379.0
15°	428.2	412.3	401.8	391.0	379.4	372.4	368.1	363.1	360.9	357.6	355.2
17.5°	408.5	394.3	381.3	369.9	360.1	354.2	348.7	345.3	341.6	339.4	335.5
20°	394.2	380.7	367.6	355.6	348.0	341.3	337.0	333.7	329.7	328.7	324.7
22.5°	382.2	367.3	354.8	344.7	336.4	328.8	324.0	321.8	319.1	315.8	315.0
25°	362.6	347.1	336.5	326.5	319.1	312.1	308.9	306.0	303.4	301.0	300.1
27.5°	345.7	331.9	319.2	310.2	303.7	297.4	294.5	291.1	289.2	287.2	284.8
30°	333.8	319.7	308.6	299.9	292.9	287.3	284.2	281.8	280.1	278.3	277.0
32.5°	321.7	308.6	297.8	289.3	282.3	278.1	275.3	273.6	271.7	269.7	268.0
35°	305.6	291.2	280.7	273.3	267.9	264.6	261.6	260.0	257.9	257.9	256.1
37.5°	287.4	274.9	265.7	259.0	254.1	251.2	247.9	246.9	245.4	244.5	243.9
40°	276.6	265.0	256.4	249.6	244.4	242.0	239.3	237.6	236.8	235.6	235.3
42.5°	265.4	254.4	246.1	239.9	235.3	233.3	230.8	229.6	227.8	226.4	226.1
45°	248.5	237.8	230.2	225.2	221.3	218.9	217.4	214.7	213.9	212.2	211.9
47.5°	232.4	222.2	214.7	210.6	207.2	205.2	202.8	200.2	199.2	198.3	198.2
50°	220.4	211.0	204.1	200.2	196.9	194.1	191.6	189.9	189.3	189.3	189.7
52.5°	208.2	200.2	194.4	189.5	186.4	183.4	181.2	180.1	179.2	180.2	181.0
55°	190.4	182.3	178.0	173.3	170.3	166.8	165.7	165.3	164.7	166.4	167.3
57.5°	171.4	165.8	160.7	156.2	153.4	151.4	150.0	149.7	150.9	151.7	154.6
60°	159.4	152.9	148.4	144.9	141.6	140.3	139.8	139.4	140.3	142.6	146.4
62.5°	146.2	140.9	135.9	133.4	130.9	128.8	128.7	128.9	130.6	133.5	137.1
65°	126.8	122.2	118.9	115.8	113.9	112.6	113.0	113.9	115.8	119.6	123.7
67.5°	107.0	103.9	100.9	98.5	96.6	96.6	97.1	98.4	100.7	104.9	108.7
70°	94.3	90.9	88.4	87.4	85.8	84.9	86.2	88.4	90.4	94.3	97.6
72.5°	81.6	78.6	76.7	76.0	75.3	74.6	75.1	77.5	80.1	84.0	87.8
75°	62.7	61.6	60.3	59.5	58.8	59.3	59.7	61.8	64.0	68.1	72.5
77.5°	45.8	44.7	43.8	43.6	43.3	43.5	44.8	46.4	48.4	51.5	54.8
80°	34.6	34.2	33.7	33.6	33.6	33.7	35.5	36.6	38.5	41.4	44.0
82.5°	25.3	25.0	24.9	24.8	25.0	25.1	26.1	27.5	29.1	31.3	33.6
85°	13.3	12.8	13.5	13.8	13.3	13.9	14.4	15.3	15.9	17.0	18.1
87.5°	6.3	7.1	7.3	7.8	8.2	9.0	9.0	10.0	10.7	11.3	11.3
90°	9.9	12.0	13.9	15.7	17.6	19.6	20.9	22.2	23.7	25.0	26.1
92.5°	35.6	37.6	40.0	42.3	44.6	46.9	48.7	50.5	52.3	54.1	55.3
95°	81.6	83.3	86.0	88.7	91.4	94.2	96.0	97.9	99.8	101.8	102.9
97.5°	132.9	134.9	138.6	142.4	146.2	149.9	151.7	153.4	155.2	157.0	158.2
100°	171.2	173.0	176.4	180.0	183.5	187.1	189.5	192.0	194.4	196.8	198.3
102.5°	217.5	219.0	220.8	222.6	224.4	226.2	228.8	231.5	234.1	236.9	238.6
105°	284.2	285.7	287.3	289.0	290.6	292.2	293.9	295.5	297.1	298.7	299.9
107.5°	356.6	357.9	359.1	360.3	361.7	362.9	363.7	364.5	365.3	366.2	366.6
110°	406.4	407.6	408.4	409.2	410.0	410.8	411.6	412.5	413.2	414.1	414.3



TEST NUMBER: P333359-830

CATALOG NUMBER: S125DIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	454.7	455.6	456.6	457.6	458.6	459.7	460.1	460.4	460.8	461.2	461.2
115°	531.3	532.2	532.6	533.2	533.8	534.3	534.0	533.8	533.5	533.2	532.9
117.5°	604.3	604.7	605.2	605.7	606.1	606.7	606.9	607.1	607.3	607.6	607.1
120°	654.7	655.4	655.7	656.0	656.3	656.6	656.6	656.6	656.6	656.6	656.0
122.5°	702.0	702.7	703.3	704.1	704.7	705.5	705.2	705.0	704.8	704.6	704.1
125°	775.5	776.5	776.7	777.0	777.3	777.6	777.0	776.5	776.0	775.4	775.1
127.5°	846.1	846.7	847.1	847.3	847.7	848.0	847.7	847.4	847.2	847.0	846.5
130°	891.8	892.8	893.3	893.9	894.4	894.9	894.7	894.4	894.2	893.9	893.4
132.5°	939.3	940.4	940.3	940.2	940.1	940.0	939.7	939.4	939.1	938.9	938.4
135°	1006.6	1007.6	1007.9	1008.1	1008.4	1008.7	1008.7	1008.7	1008.7	1008.7	1008.1
137.5°	1072.0	1073.0	1073.7	1074.2	1074.9	1075.4	1075.7	1076.1	1076.4	1076.8	1076.2
140°	1113.1	1114.2	1115.0	1115.9	1116.6	1117.5	1118.0	1118.6	1119.1	1119.6	1119.3
142.5°	1154.3	1155.4	1156.4	1157.4	1158.5	1159.5	1159.9	1160.2	1160.6	1160.8	1160.4
145°	1216.0	1216.9	1217.8	1218.5	1219.4	1220.2	1220.2	1220.2	1220.2	1220.2	1219.7
147.5°	1271.2	1271.9	1272.5	1273.2	1273.8	1274.5	1275.2	1275.7	1276.4	1277.1	1276.5
150°	1305.9	1306.3	1307.4	1308.5	1309.6	1310.7	1310.7	1310.7	1310.7	1310.7	1310.4
152.5°	1339.8	1340.2	1340.7	1341.0	1341.5	1342.0	1342.7	1343.2	1343.9	1344.5	1344.4
155°	1386.5	1386.6	1386.9	1387.1	1387.4	1387.7	1388.7	1389.9	1390.9	1392.0	1391.9
157.5°	1427.1	1426.9	1427.2	1427.5	1427.8	1428.0	1429.1	1430.2	1431.3	1432.4	1432.0
160°	1451.7	1451.4	1451.7	1452.0	1452.2	1452.5	1453.6	1454.6	1455.8	1456.8	1456.7
162.5°	1475.1	1474.8	1474.8	1474.9	1474.9	1475.0	1476.3	1477.6	1478.8	1480.2	1480.1
165°	1505.3	1505.2	1505.4	1505.7	1506.0	1506.3	1507.4	1508.4	1509.6	1510.6	1510.3
167.5°	1528.6	1528.0	1528.0	1528.0	1528.0	1528.0	1529.7	1531.3	1533.0	1534.6	1534.6
170°	1542.3	1541.7	1541.7	1541.7	1541.7	1541.7	1543.4	1545.0	1546.6	1548.2	1548.1
172.5°	1552.1	1551.5	1551.5	1551.5	1551.5	1551.5	1553.1	1554.8	1556.4	1558.0	1558.0
175°	1563.1	1562.5	1562.5	1562.5	1562.5	1562.5	1564.1	1565.8	1567.4	1569.1	1568.9
177.5°	1569.5	1569.1	1568.8	1568.6	1568.4	1568.1	1569.4	1570.7	1572.1	1573.4	1573.3
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1



TEST NUMBER: P333359-830

CATALOG NUMBER: S125DIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	488.9	490.1	489.1	490.5	489.1	490.1	488.9	489.9	491.5	490.5	492.9
5°	450.6	448.7	450.0	449.1	450.0	448.7	450.6	451.7	454.3	455.2	456.9
7.5°	415.3	413.4	411.2	410.2	411.2	413.4	415.3	415.8	418.1	421.4	423.9
10°	393.1	390.7	390.5	389.0	390.5	390.7	393.1	395.5	397.0	401.1	404.0
12.5°	376.9	374.7	372.2	371.6	372.2	374.7	376.9	379.0	379.5	384.1	386.1
15°	353.9	352.1	350.6	351.9	350.6	352.1	353.9	355.2	357.6	360.9	363.1
17.5°	334.8	333.4	333.1	331.5	333.1	333.4	334.8	335.5	339.4	341.6	345.3
20°	322.7	321.7	322.2	319.2	322.2	321.7	322.7	324.7	328.7	329.7	333.7
22.5°	313.2	311.0	310.8	310.2	310.8	311.0	313.2	315.0	315.8	319.1	321.8
25°	298.1	297.1	296.0	297.1	296.0	297.1	298.1	300.1	301.0	303.4	306.0
27.5°	285.0	283.7	283.4	283.6	283.4	283.7	285.0	284.8	287.2	289.2	291.1
30°	277.0	274.8	275.0	274.8	275.0	274.8	277.0	277.0	278.3	280.1	281.8
32.5°	268.3	266.8	266.6	266.2	266.6	266.8	268.3	268.0	269.7	271.7	273.6
35°	255.4	255.4	254.4	254.4	254.4	255.4	255.4	256.1	257.9	257.9	260.0
37.5°	243.4	243.2	242.5	242.6	242.5	243.2	243.4	243.9	244.5	245.4	246.9
40°	234.3	234.1	233.5	232.1	233.5	234.1	234.3	235.3	235.6	236.8	237.6
42.5°	225.6	224.9	224.6	224.1	224.6	224.9	225.6	226.1	226.4	227.8	229.6
45°	211.9	211.9	211.5	211.2	211.5	211.9	211.9	211.9	212.2	213.9	214.7
47.5°	198.6	199.0	199.8	199.6	199.8	199.0	198.6	198.2	198.3	199.2	200.2
50°	190.6	190.8	191.4	191.6	191.4	190.8	190.6	189.7	189.3	189.3	189.9
52.5°	181.7	182.9	183.8	183.6	183.8	182.9	181.7	181.0	180.2	179.2	180.1
55°	169.2	170.8	172.3	172.5	172.3	170.8	169.2	167.3	166.4	164.7	165.3
57.5°	156.9	159.0	160.6	161.2	160.6	159.0	156.9	154.6	151.7	150.9	149.7
60°	148.5	151.4	153.4	154.2	153.4	151.4	148.5	146.4	142.6	140.3	139.4
62.5°	140.5	143.7	145.6	145.8	145.6	143.7	140.5	137.1	133.5	130.6	128.9
65°	127.4	130.6	132.4	133.7	132.4	130.6	127.4	123.7	119.6	115.8	113.9
67.5°	113.3	116.6	118.5	119.5	118.5	116.6	113.3	108.7	104.9	100.7	98.4
70°	103.0	106.3	108.9	109.8	108.9	106.3	103.0	97.6	94.3	90.4	88.4
72.5°	92.9	95.9	97.9	99.0	97.9	95.9	92.9	87.8	84.0	80.1	77.5
75°	75.3	79.3	81.2	82.3	81.2	79.3	75.3	72.5	68.1	64.0	61.8
77.5°	58.1	61.6	62.9	63.4	62.9	61.6	58.1	54.8	51.5	48.4	46.4
80°	46.6	48.8	50.3	50.5	50.3	48.8	46.6	44.0	41.4	38.5	36.6
82.5°	35.8	37.6	38.1	38.6	38.1	37.6	35.8	33.6	31.3	29.1	27.5
85°	19.6	20.5	20.7	20.5	20.7	20.5	19.6	18.1	17.0	15.9	15.3
87.5°	11.8	11.8	12.0	12.5	12.0	11.8	11.8	11.3	11.3	10.7	10.0
90°	26.9	27.7	28.6	29.3	28.6	27.7	26.9	26.1	25.0	23.7	22.2
92.5°	55.9	56.6	57.1	57.7	57.1	56.6	55.9	55.3	54.1	52.3	50.5
95°	103.5	104.1	104.6	105.2	104.6	104.1	103.5	102.9	101.8	99.8	97.9
97.5°	158.4	158.8	159.1	159.5	159.1	158.8	158.4	158.2	157.0	155.2	153.4
100°	198.9	199.4	200.0	200.5	200.0	199.4	198.9	198.3	196.8	194.4	192.0
102.5°	239.3	240.1	240.8	241.6	240.8	240.1	239.3	238.6	236.9	234.1	231.5
105°	300.8	301.6	302.4	303.2	302.4	301.6	300.8	299.9	298.7	297.1	295.5
107.5°	366.5	366.4	366.4	366.3	366.4	366.4	366.5	366.6	366.2	365.3	364.5
110°	414.1	413.8	413.5	413.2	413.5	413.8	414.1	414.3	414.1	413.2	412.5



TEST NUMBER: P333359-830

CATALOG NUMBER: S125DIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	460.7	460.2	459.7	459.2	459.7	460.2	460.7	461.2	461.2	460.8	460.4
115°	532.6	532.3	532.2	531.9	532.2	532.3	532.6	532.9	533.2	533.5	533.8
117.5°	606.1	604.9	603.9	602.8	603.9	604.9	606.1	607.1	607.6	607.3	607.1
120°	654.9	653.8	652.7	651.7	652.7	653.8	654.9	656.0	656.6	656.6	656.6
122.5°	703.1	702.3	701.4	700.6	701.4	702.3	703.1	704.1	704.6	704.8	705.0
125°	774.8	774.5	774.2	773.9	774.2	774.5	774.8	775.1	775.4	776.0	776.5
127.5°	846.0	845.5	844.9	844.3	844.9	845.5	846.0	846.5	847.0	847.2	847.4
130°	893.0	892.4	891.8	891.3	891.8	892.4	893.0	893.4	893.9	894.2	894.4
132.5°	937.6	936.8	936.0	935.3	936.0	936.8	937.6	938.4	938.9	939.1	939.4
135°	1007.0	1006.0	1004.8	1003.8	1004.8	1006.0	1007.0	1008.1	1008.7	1008.7	1008.7
137.5°	1074.9	1073.5	1072.1	1070.8	1072.1	1073.5	1074.9	1076.2	1076.8	1076.4	1076.1
140°	1117.9	1116.5	1115.2	1113.8	1115.2	1116.5	1117.9	1119.3	1119.6	1119.1	1118.6
142.5°	1159.0	1157.6	1156.2	1154.9	1156.2	1157.6	1159.0	1160.4	1160.8	1160.6	1160.2
145°	1219.0	1218.1	1217.3	1216.5	1217.3	1218.1	1219.0	1219.7	1220.2	1220.2	1220.2
147.5°	1274.6	1272.8	1270.9	1269.1	1270.9	1272.8	1274.6	1276.5	1277.1	1276.4	1275.7
150°	1309.9	1309.3	1308.7	1308.2	1308.7	1309.3	1309.9	1310.4	1310.7	1310.7	1310.7
152.5°	1343.4	1342.5	1341.4	1340.5	1341.4	1342.5	1343.4	1344.4	1344.5	1343.9	1343.2
155°	1390.5	1389.2	1387.8	1386.5	1387.8	1389.2	1390.5	1391.9	1392.0	1390.9	1389.9
157.5°	1430.2	1428.4	1426.6	1424.8	1426.6	1428.4	1430.2	1432.0	1432.4	1431.3	1430.2
160°	1455.4	1454.0	1452.6	1451.2	1452.6	1454.0	1455.4	1456.7	1456.8	1455.8	1454.6
162.5°	1478.5	1476.9	1475.4	1473.8	1475.4	1476.9	1478.5	1480.1	1480.2	1478.8	1477.6
165°	1508.7	1507.1	1505.4	1503.8	1505.4	1507.1	1508.7	1510.3	1510.6	1509.6	1508.4
167.5°	1532.9	1531.2	1529.5	1527.8	1529.5	1531.2	1532.9	1534.6	1534.6	1533.0	1531.3
170°	1546.2	1544.4	1542.4	1540.5	1542.4	1544.4	1546.2	1548.1	1548.2	1546.6	1545.0
172.5°	1556.3	1554.6	1552.9	1551.2	1552.9	1554.6	1556.3	1558.0	1558.0	1556.4	1554.8
175°	1567.0	1565.1	1563.2	1561.3	1563.2	1565.1	1567.0	1568.9	1569.1	1567.4	1565.8
177.5°	1571.7	1570.2	1568.7	1567.2	1568.7	1570.2	1571.7	1573.3	1573.4	1572.1	1570.7
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1



TEST NUMBER: P333359-830

CATALOG NUMBER: S125DIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	490.7	492.8	495.3	497.3	500.8	502.3	504.3	505.8	508.6	511.2	514.3
5°	457.6	461.3	466.3	471.7	478.1	482.4	488.5	492.2	499.6	506.3	512.9
7.5°	427.6	432.2	439.2	446.2	454.5	461.9	469.6	478.1	487.5	498.7	507.9
10°	407.1	413.1	420.8	429.5	439.5	448.2	458.5	467.6	479.2	492.2	504.4
12.5°	390.7	395.9	404.4	412.7	423.5	434.1	444.7	456.8	470.2	484.7	500.0
15°	368.1	372.4	379.4	391.0	401.8	412.3	428.2	439.5	456.5	472.6	491.2
17.5°	348.7	354.2	360.1	369.9	381.3	394.3	408.5	422.7	439.0	459.5	480.3
20°	337.0	341.3	348.0	355.6	367.6	380.7	394.2	408.6	428.6	449.8	472.2
22.5°	324.0	328.8	336.4	344.7	354.8	367.3	382.2	397.9	418.9	439.6	464.0
25°	308.9	312.1	319.1	326.5	336.5	347.1	362.6	380.0	400.8	424.5	449.3
27.5°	294.5	297.4	303.7	310.2	319.2	331.9	345.7	363.4	382.9	406.9	434.4
30°	284.2	287.3	292.9	299.9	308.6	319.7	333.8	350.4	371.4	394.8	423.6
32.5°	275.3	278.1	282.3	289.3	297.8	308.6	321.7	338.6	359.5	383.3	411.6
35°	261.6	264.6	267.9	273.3	280.7	291.2	305.6	321.5	341.5	364.6	390.5
37.5°	247.9	251.2	254.1	259.0	265.7	274.9	287.4	304.0	322.1	344.3	369.2
40°	239.3	242.0	244.4	249.6	256.4	265.0	276.6	291.4	310.6	331.3	351.9
42.5°	230.8	233.3	235.3	239.9	246.1	254.4	265.4	279.9	297.7	317.0	335.3
45°	217.4	218.9	221.3	225.2	230.2	237.8	248.5	261.4	276.4	294.6	308.4
47.5°	202.8	205.2	207.2	210.6	214.7	222.2	232.4	243.4	257.0	270.6	280.2
50°	191.6	194.1	196.9	200.2	204.1	211.0	220.4	231.5	243.1	253.5	261.7
52.5°	181.2	183.4	186.4	189.5	194.4	200.2	208.2	218.1	229.5	237.0	243.8
55°	165.7	166.8	170.3	173.3	178.0	182.3	190.4	199.1	206.0	211.7	217.4
57.5°	150.0	151.4	153.4	156.2	160.7	165.8	171.4	179.2	183.2	186.2	190.6
60°	139.8	140.3	141.6	144.9	148.4	152.9	159.4	164.9	168.0	170.3	174.0
62.5°	128.7	128.8	130.9	133.4	135.9	140.9	146.2	150.6	153.1	154.3	157.8
65°	113.0	112.6	113.9	115.8	118.9	122.2	126.8	130.6	130.4	131.8	133.9
67.5°	97.1	96.6	96.6	98.5	100.9	103.9	107.0	109.3	109.3	111.0	112.2
70°	86.2	84.9	85.8	87.4	88.4	90.9	94.3	95.2	95.4	96.2	97.4
72.5°	75.1	74.6	75.3	76.0	76.7	78.6	81.6	82.1	82.2	82.7	84.5
75°	59.7	59.3	58.8	59.5	60.3	61.6	62.7	63.6	63.3	63.6	64.9
77.5°	44.8	43.5	43.3	43.6	43.8	44.7	45.8	45.7	45.9	45.9	47.3
80°	35.5	33.7	33.6	33.6	33.7	34.2	34.6	35.1	34.4	35.1	35.5
82.5°	26.1	25.1	25.0	24.8	24.9	25.0	25.3	25.4	25.4	25.6	25.9
85°	14.4	13.9	13.3	13.8	13.5	12.8	13.3	12.6	12.4	12.6	12.8
87.5°	9.0	9.0	8.2	7.8	7.3	7.1	6.3	5.7	5.1	4.9	5.0
90°	20.9	19.6	17.6	15.7	13.9	12.0	9.9	7.7	5.6	3.4	1.2
92.5°	48.7	46.9	44.6	42.3	40.0	37.6	35.6	34.1	32.6	31.1	29.6
95°	96.0	94.2	91.4	88.7	86.0	83.3	81.6	81.1	80.6	80.0	79.5
97.5°	151.7	149.9	146.2	142.4	138.6	134.9	132.9	132.7	132.5	132.2	132.1
100°	189.5	187.1	183.5	180.0	176.4	173.0	171.2	171.2	171.2	171.2	171.2
102.5°	228.8	226.2	224.4	222.6	220.8	219.0	217.5	216.5	215.4	214.3	213.2
105°	293.9	292.2	290.6	289.0	287.3	285.7	284.2	282.9	281.4	280.1	278.8
107.5°	363.7	362.9	361.7	360.3	359.1	357.9	356.6	355.2	353.8	352.5	351.1
110°	411.6	410.8	410.0	409.2	408.4	407.6	406.4	405.1	403.8	402.4	401.1



TEST NUMBER: P333359-830

CATALOG NUMBER: S125DIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	460.1	459.7	458.6	457.6	456.6	455.6	454.7	454.0	453.3	452.6	451.9
115°	534.0	534.3	533.8	533.2	532.6	532.2	531.3	530.2	529.1	528.0	527.0
117.5°	606.9	606.7	606.1	605.7	605.2	604.7	604.3	603.7	603.2	602.8	602.3
120°	656.6	656.6	656.3	656.0	655.7	655.4	654.7	653.3	652.0	650.5	649.2
122.5°	705.2	705.5	704.7	704.1	703.3	702.7	702.0	701.5	701.1	700.6	700.1
125°	777.0	777.6	777.3	777.0	776.7	776.5	775.5	773.9	772.3	770.6	769.0
127.5°	847.7	848.0	847.7	847.3	847.1	846.7	846.1	845.2	844.2	843.3	842.4
130°	894.7	894.9	894.4	893.9	893.3	892.8	891.8	890.5	889.1	887.8	886.4
132.5°	939.7	940.0	940.1	940.2	940.3	940.4	939.3	937.1	934.9	932.6	930.4
135°	1008.7	1008.7	1008.4	1008.1	1007.9	1007.6	1006.6	1005.0	1003.3	1001.7	1000.1
137.5°	1075.7	1075.4	1074.9	1074.2	1073.7	1073.0	1072.0	1070.4	1068.8	1067.2	1065.6
140°	1118.0	1117.5	1116.6	1115.9	1115.0	1114.2	1113.1	1111.8	1110.4	1109.1	1107.7
142.5°	1159.9	1159.5	1158.5	1157.4	1156.4	1155.4	1154.3	1153.2	1152.1	1150.9	1149.8
145°	1220.2	1220.2	1219.4	1218.5	1217.8	1216.9	1216.0	1214.8	1213.8	1212.7	1211.6
147.5°	1275.2	1274.5	1273.8	1273.2	1272.5	1271.9	1271.2	1270.6	1270.1	1269.4	1268.9
150°	1310.7	1310.7	1309.6	1308.5	1307.4	1306.3	1305.9	1306.2	1306.5	1306.7	1307.0
152.5°	1342.7	1342.0	1341.5	1341.0	1340.7	1340.2	1339.8	1339.4	1339.1	1338.7	1338.3
155°	1388.7	1387.7	1387.4	1387.1	1386.9	1386.6	1386.5	1386.5	1386.5	1386.5	1386.5
157.5°	1429.1	1428.0	1427.8	1427.5	1427.2	1426.9	1427.1	1427.7	1428.3	1428.9	1429.5
160°	1453.6	1452.5	1452.2	1452.0	1451.7	1451.4	1451.7	1452.5	1453.3	1454.2	1454.9
162.5°	1476.3	1475.0	1474.9	1474.9	1474.8	1474.8	1475.1	1475.6	1476.2	1476.9	1477.4
165°	1507.4	1506.3	1506.0	1505.7	1505.4	1505.2	1505.3	1505.9	1506.4	1506.9	1507.5
167.5°	1529.7	1528.0	1528.0	1528.0	1528.0	1528.0	1528.6	1529.7	1530.8	1531.8	1533.0
170°	1543.4	1541.7	1541.7	1541.7	1541.7	1541.7	1542.3	1543.4	1544.5	1545.6	1546.6
172.5°	1553.1	1551.5	1551.5	1551.5	1551.5	1551.5	1552.1	1553.1	1554.3	1555.3	1556.4
175°	1564.1	1562.5	1562.5	1562.5	1562.5	1562.5	1563.1	1564.1	1565.3	1566.3	1567.4
177.5°	1569.4	1568.1	1568.4	1568.6	1568.8	1569.1	1569.5	1570.5	1571.3	1572.2	1573.0
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1



TEST NUMBER: P333359-830

CATALOG NUMBER: S125DIW-S375D1340U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	515.9	518.3	519.9	522.8	525.3	526.7	527.9	529.0	530.2	531.2	534.2
5°	519.2	524.9	529.7	537.1	543.8	549.0	554.7	559.7	563.8	569.8	574.3
7.5°	517.7	527.8	538.4	549.9	561.6	572.4	582.5	591.8	600.3	610.6	619.6
10°	516.4	530.1	543.6	559.1	575.0	588.4	601.1	614.0	623.3	636.4	647.5
12.5°	515.4	531.5	547.8	566.4	583.8	602.9	619.7	629.1	643.4	653.8	667.0
15°	511.0	532.3	554.7	575.6	600.5	618.1	632.9	651.2	664.5	677.8	692.1
17.5°	503.0	527.3	552.3	579.8	603.5	622.5	641.6	659.2	675.0	692.9	710.8
20°	499.4	523.6	552.3	580.4	603.7	623.5	643.1	662.5	680.0	702.9	723.5
22.5°	491.7	520.9	547.4	574.9	598.8	620.4	642.6	664.6	687.8	713.6	739.5
25°	478.1	507.7	535.7	562.8	586.9	614.0	637.7	667.1	696.7	730.9	763.2
27.5°	463.8	492.2	517.9	544.0	572.2	602.9	633.6	666.9	705.8	748.9	794.4
30°	452.3	479.2	504.2	530.9	560.3	594.7	628.6	668.2	713.0	761.6	815.7
32.5°	438.9	463.6	488.0	516.3	548.4	584.7	624.1	667.5	721.4	776.6	832.2
35°	415.9	436.7	461.8	492.0	528.1	569.8	615.3	666.7	728.5	791.9	838.7
37.5°	388.8	408.0	434.4	467.6	505.5	550.2	604.2	665.2	730.8	781.4	796.4
40°	370.4	388.3	415.8	450.2	488.9	536.2	595.4	659.9	723.5	755.7	743.3
42.5°	350.9	369.7	396.4	430.5	472.2	523.7	584.5	648.9	702.3	714.4	671.6
45°	320.2	339.5	365.9	400.3	445.2	501.0	564.3	622.9	653.6	631.6	565.1
47.5°	291.5	309.7	334.1	369.7	415.9	473.6	534.6	581.4	583.8	531.3	460.3
50°	272.0	288.8	313.4	348.9	394.8	453.3	508.3	545.2	528.6	469.1	401.0
52.5°	252.9	269.3	293.5	328.7	374.1	427.6	478.9	504.7	473.5	412.5	354.3
55°	225.2	239.6	263.3	295.8	338.8	388.5	432.1	441.0	400.5	340.4	293.1
57.5°	198.2	211.6	233.2	263.1	302.6	346.5	380.6	378.6	335.8	284.3	246.8
60°	179.9	192.9	212.2	241.3	277.3	315.2	344.3	337.3	294.9	250.4	218.9
62.5°	163.5	175.2	193.3	218.9	251.7	286.7	310.7	300.4	258.8	220.0	195.0
65°	139.4	149.2	164.7	186.4	213.7	242.6	261.2	247.9	212.4	182.1	162.0
67.5°	116.3	124.2	137.1	154.6	177.8	201.0	212.3	199.0	170.5	148.5	133.6
70°	101.7	108.7	118.7	134.1	154.4	174.0	182.5	170.5	146.1	127.1	116.5
72.5°	87.1	92.8	101.6	115.6	131.8	148.7	156.2	144.8	124.7	108.7	98.8
75°	67.3	71.3	77.3	86.9	99.7	113.3	117.3	107.4	94.5	82.6	76.0
77.5°	48.2	51.5	56.1	62.1	71.3	79.8	83.4	77.7	67.8	60.1	54.8
80°	37.0	38.7	42.7	47.7	54.9	60.3	62.7	59.0	52.0	46.4	42.2
82.5°	26.4	28.2	30.4	34.6	39.2	42.9	45.4	43.0	38.0	33.5	31.1
85°	12.8	13.9	15.3	17.0	20.5	22.6	22.4	20.9	18.9	17.2	15.9
87.5°	5.2	5.8	6.8	8.1	9.0	10.1	10.8	10.8	10.6	10.3	10.0
90°	3.4	5.6	7.7	9.9	12.0	13.9	15.7	17.6	19.6	20.9	22.2
92.5°	31.1	32.6	34.1	35.6	37.6	40.0	42.3	44.6	46.9	48.7	50.5
95°	80.0	80.6	81.1	81.6	83.3	86.0	88.7	91.4	94.2	96.0	97.9
97.5°	132.2	132.5	132.7	132.9	134.9	138.6	142.4	146.2	149.9	151.7	153.4
100°	171.2	171.2	171.2	171.2	173.0	176.4	180.0	183.5	187.1	189.5	192.0
102.5°	214.3	215.4	216.5	217.5	219.0	220.8	222.6	224.4	226.2	228.8	231.5
105°	280.1	281.4	282.9	284.2	285.7	287.3	289.0	290.6	292.2	293.9	295.5
107.5°	352.5	353.8	355.2	356.6	357.9	359.1	360.3	361.7	362.9	363.7	364.5
110°	402.4	403.8	405.1	406.4	407.6	408.4	409.2	410.0	410.8	411.6	412.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	452.6	453.3	454.0	454.7	455.6	456.6	457.6	458.6	459.7	460.1	460.4
115°	528.0	529.1	530.2	531.3	532.2	532.6	533.2	533.8	534.3	534.0	533.8
117.5°	602.8	603.2	603.7	604.3	604.7	605.2	605.7	606.1	606.7	606.9	607.1
120°	650.5	652.0	653.3	654.7	655.4	655.7	656.0	656.3	656.6	656.6	656.6
122.5°	700.6	701.1	701.5	702.0	702.7	703.3	704.1	704.7	705.5	705.2	705.0
125°	770.6	772.3	773.9	775.5	776.5	776.7	777.0	777.3	777.6	777.0	776.5
127.5°	843.3	844.2	845.2	846.1	846.7	847.1	847.3	847.7	848.0	847.7	847.4
130°	887.8	889.1	890.5	891.8	892.8	893.3	893.9	894.4	894.9	894.7	894.4
132.5°	932.6	934.9	937.1	939.3	940.4	940.3	940.2	940.1	940.0	939.7	939.4
135°	1001.7	1003.3	1005.0	1006.6	1007.6	1007.9	1008.1	1008.4	1008.7	1008.7	1008.7
137.5°	1067.2	1068.8	1070.4	1072.0	1073.0	1073.7	1074.2	1074.9	1075.4	1075.7	1076.1
140°	1109.1	1110.4	1111.8	1113.1	1114.2	1115.0	1115.9	1116.6	1117.5	1118.0	1118.6
142.5°	1150.9	1152.1	1153.2	1154.3	1155.4	1156.4	1157.4	1158.5	1159.5	1159.9	1160.2
145°	1212.7	1213.8	1214.8	1216.0	1216.9	1217.8	1218.5	1219.4	1220.2	1220.2	1220.2
147.5°	1269.4	1270.1	1270.6	1271.2	1271.9	1272.5	1273.2	1273.8	1274.5	1275.2	1275.7
150°	1306.7	1306.5	1306.2	1305.9	1306.3	1307.4	1308.5	1309.6	1310.7	1310.7	1310.7
152.5°	1338.7	1339.1	1339.4	1339.8	1340.2	1340.7	1341.0	1341.5	1342.0	1342.7	1343.2
155°	1386.5	1386.5	1386.5	1386.5	1386.6	1386.9	1387.1	1387.4	1387.7	1388.7	1389.9
157.5°	1428.9	1428.3	1427.7	1427.1	1426.9	1427.2	1427.5	1427.8	1428.0	1429.1	1430.2
160°	1454.2	1453.3	1452.5	1451.7	1451.4	1451.7	1452.0	1452.2	1452.5	1453.6	1454.6
162.5°	1476.9	1476.2	1475.6	1475.1	1474.8	1474.8	1474.9	1474.9	1475.0	1476.3	1477.6
165°	1506.9	1506.4	1505.9	1505.3	1505.2	1505.4	1505.7	1506.0	1506.3	1507.4	1508.4
167.5°	1531.8	1530.8	1529.7	1528.6	1528.0	1528.0	1528.0	1528.0	1528.0	1529.7	1531.3
170°	1545.6	1544.5	1543.4	1542.3	1541.7	1541.7	1541.7	1541.7	1541.7	1543.4	1545.0
172.5°	1555.3	1554.3	1553.1	1552.1	1551.5	1551.5	1551.5	1551.5	1551.5	1553.1	1554.8
175°	1566.3	1565.3	1564.1	1563.1	1562.5	1562.5	1562.5	1562.5	1562.5	1564.1	1565.8
177.5°	1572.2	1571.3	1570.5	1569.5	1569.1	1568.8	1568.6	1568.4	1568.1	1569.4	1570.7
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	513.1	513.1	513.1	513.1	513.1	513.1	513.1
2.5°	536.7	538.0	541.0	540.0	541.3	542.1	542.7
5°	579.9	586.9	590.0	589.6	594.2	593.0	591.9
7.5°	629.0	636.2	640.4	645.5	648.4	648.7	651.2
10°	656.7	666.2	670.1	675.6	679.1	681.1	680.8
12.5°	677.9	685.4	694.2	696.8	701.5	704.1	703.1
15°	703.5	715.5	724.6	729.2	735.1	736.8	739.1
17.5°	726.3	742.3	753.0	767.2	772.6	775.9	773.9
20°	743.6	764.7	775.3	792.3	801.7	806.7	804.9
22.5°	763.9	786.8	806.5	821.2	835.5	842.3	843.7
25°	798.9	830.2	859.2	878.5	896.2	900.3	909.5
27.5°	837.9	874.9	905.9	926.2	938.5	943.1	946.0
30°	862.4	899.3	922.6	935.7	939.5	939.1	938.7
32.5°	874.5	897.5	902.0	898.3	889.4	881.7	873.8
35°	857.4	840.3	814.5	781.5	757.1	732.4	730.0
37.5°	771.2	716.1	673.4	625.6	598.0	581.0	569.2
40°	689.9	627.5	575.6	535.4	507.3	496.2	485.2
42.5°	601.8	542.1	496.2	462.5	441.4	429.0	420.5
45°	488.9	436.2	400.3	375.9	359.1	349.6	344.1
47.5°	400.7	361.7	331.1	313.5	302.0	294.5	294.5
50°	353.3	316.0	295.8	281.8	271.8	265.9	267.0
52.5°	311.2	283.4	266.2	254.5	247.0	243.5	243.3
55°	260.2	240.3	228.9	220.4	215.4	211.2	212.2
57.5°	222.6	205.8	198.1	191.1	187.6	186.0	183.5
60°	199.3	186.2	179.6	174.0	170.5	169.2	166.8
62.5°	178.5	168.2	161.9	157.3	154.2	153.7	151.8
65°	150.1	142.2	136.6	134.4	131.1	130.3	130.3
67.5°	123.7	118.1	113.7	111.7	110.3	110.5	109.4
70°	107.2	102.5	99.7	97.6	96.5	96.7	95.9
72.5°	93.8	88.6	86.1	84.8	83.4	84.0	83.6
75°	71.0	68.4	67.1	65.8	64.9	64.5	64.0
77.5°	52.1	49.9	48.8	48.1	48.3	47.1	48.0
80°	40.2	38.4	37.7	36.6	36.4	36.4	36.2
82.5°	29.5	28.4	27.9	27.1	26.6	27.0	26.4
85°	15.3	14.4	14.1	14.1	13.8	13.3	14.4
87.5°	10.3	9.9	10.1	10.1	10.3	10.3	10.1
90°	23.7	25.0	26.1	26.9	27.7	28.6	29.3
92.5°	52.3	54.1	55.3	55.9	56.6	57.1	57.7
95°	99.8	101.8	102.9	103.5	104.1	104.6	105.2
97.5°	155.2	157.0	158.2	158.4	158.8	159.1	159.5
100°	194.4	196.8	198.3	198.9	199.4	200.0	200.5
102.5°	234.1	236.9	238.6	239.3	240.1	240.8	241.6
105°	297.1	298.7	299.9	300.8	301.6	302.4	303.2
107.5°	365.3	366.2	366.6	366.5	366.4	366.4	366.3
110°	413.2	414.1	414.3	414.1	413.8	413.5	413.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	460.8	461.2	461.2	460.7	460.2	459.7	459.2
115°	533.5	533.2	532.9	532.6	532.3	532.2	531.9
117.5°	607.3	607.6	607.1	606.1	604.9	603.9	602.8
120°	656.6	656.6	656.0	654.9	653.8	652.7	651.7
122.5°	704.8	704.6	704.1	703.1	702.3	701.4	700.6
125°	776.0	775.4	775.1	774.8	774.5	774.2	773.9
127.5°	847.2	847.0	846.5	846.0	845.5	844.9	844.3
130°	894.2	893.9	893.4	893.0	892.4	891.8	891.3
132.5°	939.1	938.9	938.4	937.6	936.8	936.0	935.3
135°	1008.7	1008.7	1008.1	1007.0	1006.0	1004.8	1003.8
137.5°	1076.4	1076.8	1076.2	1074.9	1073.5	1072.1	1070.8
140°	1119.1	1119.6	1119.3	1117.9	1116.5	1115.2	1113.8
142.5°	1160.6	1160.8	1160.4	1159.0	1157.6	1156.2	1154.9
145°	1220.2	1220.2	1219.7	1219.0	1218.1	1217.3	1216.5
147.5°	1276.4	1277.1	1276.5	1274.6	1272.8	1270.9	1269.1
150°	1310.7	1310.7	1310.4	1309.9	1309.3	1308.7	1308.2
152.5°	1343.9	1344.5	1344.4	1343.4	1342.5	1341.4	1340.5
155°	1390.9	1392.0	1391.9	1390.5	1389.2	1387.8	1386.5
157.5°	1431.3	1432.4	1432.0	1430.2	1428.4	1426.6	1424.8
160°	1455.8	1456.8	1456.7	1455.4	1454.0	1452.6	1451.2
162.5°	1478.8	1480.2	1480.1	1478.5	1476.9	1475.4	1473.8
165°	1509.6	1510.6	1510.3	1508.7	1507.1	1505.4	1503.8
167.5°	1533.0	1534.6	1534.6	1532.9	1531.2	1529.5	1527.8
170°	1546.6	1548.2	1548.1	1546.2	1544.4	1542.4	1540.5
172.5°	1556.4	1558.0	1558.0	1556.3	1554.6	1552.9	1551.2
175°	1567.4	1569.1	1568.9	1567.0	1565.1	1563.2	1561.3
177.5°	1572.1	1573.4	1573.3	1571.7	1570.2	1568.7	1567.2
180°	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1	1571.1

(END OF REPORT)