

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: P333152-830

Luminaire Tested: **S125DIP-S375D1205U830-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333152-830
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: S125DIP-S375D1205U830-4F0-1E-UDD-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, ASYMMETRIC DIFFUSER
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5378.3 lumens
Efficiency: N/A
Efficacy: 127.4 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

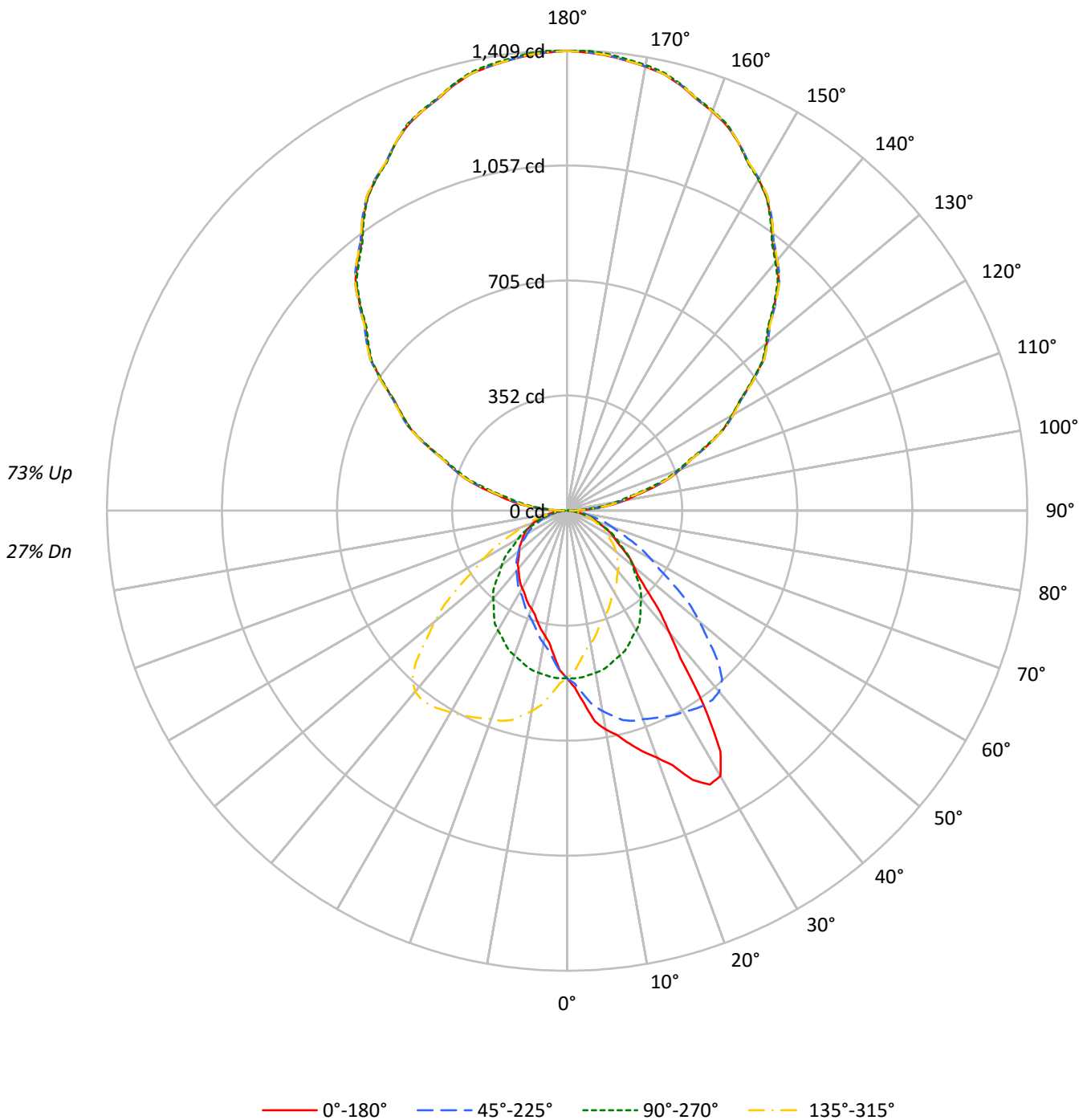
Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27
1	93	89	85	82	83	79	76	73	62	60	58	46	45	43	31	30	30	23
2	84	77	72	67	75	69	65	60	54	51	48	40	38	36	27	26	25	19
3	77	68	61	56	69	61	55	50	48	44	40	36	33	31	24	23	22	17
4	70	60	53	47	63	54	48	43	43	38	34	32	29	26	22	20	19	14
5	65	53	46	40	57	48	41	37	38	33	30	28	25	23	20	18	16	12
6	59	48	40	35	53	43	36	32	34	29	26	26	22	20	18	16	14	11
7	55	43	35	30	49	39	32	28	31	26	22	23	20	17	16	14	13	10
8	51	39	32	26	45	35	29	24	28	23	20	21	18	16	15	13	11	9
9	47	35	28	23	42	32	26	21	26	21	18	19	16	14	14	12	10	8
10	44	32	25	21	39	29	23	19	23	19	16	18	15	12	13	11	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	0.9
10°-20°	147.1	2.7
20°-30°	238.8	4.4
30°-40°	291.3	5.4
40°-50°	265.0	4.9
50°-60°	211.1	3.9
60°-70°	147.0	2.7
70°-80°	78.4	1.5
80°-90°	22.9	0.4
90°-100°	94.3	1.8
100°-110°	278.4	5.2
110°-120°	471.5	8.8
120°-130°	620.5	11.5
130°-140°	695.3	12.9
140°-150°	681.4	12.7
150°-160°	572.4	10.6
160°-170°	380.5	7.1
170°-180°	133.1	2.5
0°-30°	435.3	8.1
0°-40°	726.6	13.5
0°-60°	1202.7	22.4
0°-90°	1451.0	27.0
90°-120°	844.1	15.7
90°-150°	2841.4	52.8
90°-180°	3927.0	73.0
0°-180°	5378.3	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°	26	1	26	1	26	16
95°	94	71	94	71	94	96
105°	272	250	272	250	272	288
115°	476	472	476	472	476	471
125°	693	689	693	689	693	619
135°	899	896	899	896	899	694
145°	1090	1085	1090	1085	1090	680
155°	1242	1242	1242	1242	1242	572
165°	1347	1350	1347	1350	1347	380
175°	1399	1404	1399	1404	1399	133
180°	1407	1407	1407	1407	1407	



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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°	9.4	9.6	9.7	9.5	9.5	9.3	9.8	9.6	9.8	10.1	10.5
90°	26.3	25.5	24.8	24.1	23.4	22.4	21.2	20.0	18.8	17.5	15.8
92.5°	51.7	51.2	50.6	50.0	49.6	48.4	46.8	45.2	43.6	42.0	40.0
95°	94.2	93.7	93.2	92.7	92.3	91.1	89.4	87.8	86.1	84.4	81.9
97.5°	142.8	142.5	142.2	141.9	141.7	140.7	139.1	137.5	135.9	134.3	130.9
100°	179.6	179.2	178.6	178.1	177.7	176.3	174.2	171.9	169.8	167.6	164.4
102.5°	216.4	215.7	215.1	214.4	213.7	212.2	209.8	207.4	205.0	202.6	201.0
105°	271.6	270.9	270.1	269.5	268.7	267.6	266.2	264.7	263.3	261.7	260.3
107.5°	328.1	328.2	328.3	328.3	328.4	328.0	327.3	326.5	325.8	325.1	324.0
110°	370.2	370.4	370.7	370.9	371.2	370.9	370.2	369.5	368.7	368.0	367.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	411.4	411.8	412.3	412.7	413.1	413.2	412.8	412.6	412.2	411.8	410.9
115°	476.5	476.6	476.9	477.2	477.4	477.7	477.9	478.2	478.4	478.6	478.2
117.5°	540.0	540.9	542.0	542.9	543.8	544.2	544.0	543.8	543.7	543.5	543.0
120°	583.8	584.8	585.7	586.7	587.7	588.1	588.1	588.1	588.1	588.1	588.0
122.5°	627.6	628.4	629.1	629.9	630.7	631.2	631.4	631.6	631.8	632.0	631.3
125°	693.3	693.5	693.8	694.1	694.3	694.7	695.1	695.6	696.1	696.6	696.4
127.5°	756.4	756.9	757.3	757.9	758.4	758.7	758.9	759.2	759.4	759.7	759.4
130°	798.4	798.9	799.5	799.9	800.4	800.8	801.0	801.3	801.5	801.7	801.3
132.5°	837.9	838.6	839.2	839.9	840.7	841.0	841.3	841.6	841.8	842.1	842.2
135°	899.2	900.2	901.2	902.1	903.1	903.6	903.6	903.6	903.6	903.6	903.3
137.5°	959.2	960.5	961.7	962.9	964.1	964.6	964.3	964.0	963.7	963.4	962.9
140°	997.8	999.0	1000.2	1001.5	1002.7	1003.1	1002.6	1002.0	1001.5	1001.1	1000.3
142.5°	1034.6	1035.9	1037.1	1038.2	1039.4	1039.9	1039.6	1039.3	1039.1	1038.8	1037.8
145°	1089.8	1090.5	1091.3	1092.0	1092.7	1093.1	1093.1	1093.1	1093.1	1093.1	1092.3
147.5°	1136.9	1138.6	1140.2	1141.9	1143.5	1144.1	1143.5	1142.9	1142.3	1141.7	1141.1
150°	1172.0	1172.4	1172.9	1173.4	1173.9	1174.1	1174.1	1174.1	1174.1	1174.1	1173.2
152.5°	1200.9	1201.7	1202.6	1203.5	1204.4	1204.5	1203.9	1203.3	1202.8	1202.2	1201.8
155°	1242.1	1243.3	1244.4	1245.7	1246.9	1247.1	1246.0	1245.1	1244.2	1243.1	1242.9
157.5°	1276.5	1278.1	1279.7	1281.3	1282.9	1283.2	1282.2	1281.2	1280.3	1279.3	1279.0
160°	1300.1	1301.3	1302.5	1303.7	1305.0	1305.0	1304.1	1303.2	1302.1	1301.2	1301.0
162.5°	1320.2	1321.6	1323.0	1324.5	1325.9	1326.1	1324.8	1323.7	1322.5	1321.4	1321.3
165°	1347.2	1348.7	1350.1	1351.6	1353.0	1353.3	1352.3	1351.3	1350.4	1349.3	1349.2
167.5°	1368.7	1370.2	1371.7	1373.2	1374.7	1374.7	1373.3	1371.8	1370.4	1368.9	1368.9
170°	1380.1	1381.8	1383.5	1385.2	1386.9	1387.0	1385.5	1384.0	1382.6	1381.1	1381.1
172.5°	1389.7	1391.2	1392.7	1394.2	1395.7	1395.7	1394.3	1392.8	1391.4	1389.9	1389.9
175°	1398.6	1400.3	1402.1	1403.8	1405.5	1405.6	1404.1	1402.7	1401.2	1399.8	1399.8
177.5°	1403.9	1405.3	1406.7	1408.1	1409.4	1409.5	1408.3	1407.1	1406.0	1404.8	1405.0
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4



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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°	10.5	9.8	8.8	7.9	6.6	5.7	5.2	4.9	4.8	5.0	5.6
90°	14.1	12.4	10.7	8.9	7.0	5.0	3.0	1.1	3.0	5.0	7.0
92.5°	37.9	35.8	33.6	32.0	30.6	29.2	27.9	26.5	27.9	29.2	30.6
95°	79.5	77.0	74.6	73.1	72.7	72.2	71.6	71.2	71.6	72.2	72.7
97.5°	127.5	124.2	120.8	119.0	118.9	118.7	118.5	118.3	118.5	118.7	118.9
100°	161.3	158.1	155.0	153.4	153.4	153.4	153.4	153.4	153.4	153.4	153.4
102.5°	199.4	197.8	196.2	194.9	194.0	192.9	192.0	191.1	192.0	192.9	194.0
105°	258.8	257.4	255.9	254.6	253.4	252.1	250.9	249.7	250.9	252.1	253.4
107.5°	322.8	321.7	320.6	319.4	318.2	317.0	315.8	314.5	315.8	317.0	318.2
110°	366.6	365.8	365.0	364.1	362.9	361.7	360.4	359.3	360.4	361.7	362.9



TEST NUMBER: P333152-830

CATALOG NUMBER: S125DIP-S375D1205U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	410.0	409.1	408.1	407.4	406.7	406.0	405.5	404.8	405.5	406.0	406.7
115°	477.7	477.2	476.6	476.0	474.9	474.0	473.1	472.0	473.1	474.0	474.9
117.5°	542.6	542.2	541.7	541.3	540.8	540.5	540.0	539.5	540.0	540.5	540.8
120°	587.7	587.4	587.2	586.4	585.2	584.0	582.8	581.5	582.8	584.0	585.2
122.5°	630.7	630.1	629.4	628.9	628.5	628.0	627.6	627.2	627.6	628.0	628.5
125°	696.1	695.9	695.6	694.7	693.3	691.8	690.4	688.9	690.4	691.8	693.3
127.5°	759.1	758.8	758.6	758.0	757.1	756.3	755.4	754.7	755.4	756.3	757.1
130°	800.8	800.3	799.8	798.9	797.8	796.5	795.3	794.1	795.3	796.5	797.8
132.5°	842.3	842.4	842.4	841.5	839.5	837.5	835.5	833.5	835.5	837.5	839.5
135°	903.1	902.9	902.7	901.8	900.3	898.9	897.4	896.0	897.4	898.9	900.3
137.5°	962.3	961.8	961.3	960.3	958.8	957.4	956.0	954.6	956.0	957.4	958.8
140°	999.7	998.9	998.2	997.2	996.0	994.8	993.5	992.3	993.5	994.8	996.0
142.5°	1036.9	1035.9	1035.1	1034.1	1033.0	1032.1	1031.0	1030.0	1031.0	1032.1	1033.0
145°	1091.7	1090.9	1090.1	1089.3	1088.4	1087.4	1086.4	1085.4	1086.4	1087.4	1088.4
147.5°	1140.6	1140.0	1139.3	1138.8	1138.3	1137.7	1137.2	1136.7	1137.2	1137.7	1138.3
150°	1172.1	1171.2	1170.3	1169.9	1170.2	1170.4	1170.6	1170.8	1170.6	1170.4	1170.2
152.5°	1201.4	1201.0	1200.6	1200.2	1200.0	1199.6	1199.2	1198.9	1199.2	1199.6	1200.0
155°	1242.6	1242.5	1242.2	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1	1242.1
157.5°	1278.8	1278.6	1278.3	1278.5	1279.0	1279.5	1280.1	1280.6	1280.1	1279.5	1279.0
160°	1300.7	1300.4	1300.2	1300.4	1301.2	1301.9	1302.7	1303.3	1302.7	1301.9	1301.2
162.5°	1321.3	1321.2	1321.2	1321.4	1321.9	1322.5	1323.0	1323.5	1323.0	1322.5	1321.9
165°	1348.9	1348.7	1348.4	1348.5	1349.1	1349.5	1350.0	1350.5	1350.0	1349.5	1349.1
167.5°	1368.9	1368.9	1368.9	1369.3	1370.4	1371.3	1372.2	1373.3	1372.2	1371.3	1370.4
170°	1381.1	1381.1	1381.1	1381.7	1382.6	1383.6	1384.6	1385.5	1384.6	1383.6	1382.6
172.5°	1389.9	1389.9	1389.9	1390.4	1391.4	1392.3	1393.4	1394.3	1393.4	1392.3	1391.4
175°	1399.8	1399.8	1399.8	1400.2	1401.2	1402.2	1403.2	1404.1	1403.2	1402.2	1401.2
177.5°	1405.2	1405.4	1405.6	1406.1	1406.8	1407.6	1408.4	1409.2	1408.4	1407.6	1406.8
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4



TEST NUMBER: P333152-830

CATALOG NUMBER: S125DIP-S375D1205U830-4F0-1E-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°	6.1	6.9	7.0	7.5	7.8	8.6	8.7	9.6	10.2	10.7	10.7
90°	8.9	10.7	12.4	14.1	15.8	17.5	18.8	20.0	21.2	22.4	23.4
92.5°	32.0	33.6	35.8	37.9	40.0	42.0	43.6	45.2	46.8	48.4	49.6
95°	73.1	74.6	77.0	79.5	81.9	84.4	86.1	87.8	89.4	91.1	92.3
97.5°	119.0	120.8	124.2	127.5	130.9	134.3	135.9	137.5	139.1	140.7	141.7
100°	153.4	155.0	158.1	161.3	164.4	167.6	169.8	171.9	174.2	176.3	177.7
102.5°	194.9	196.2	197.8	199.4	201.0	202.6	205.0	207.4	209.8	212.2	213.7
105°	254.6	255.9	257.4	258.8	260.3	261.7	263.3	264.7	266.2	267.6	268.7
107.5°	319.4	320.6	321.7	322.8	324.0	325.1	325.8	326.5	327.3	328.0	328.4
110°	364.1	365.0	365.8	366.6	367.3	368.0	368.7	369.5	370.2	370.9	371.2



TEST NUMBER: P333152-830

CATALOG NUMBER: S125DIP-S375D1205U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	407.4	408.1	409.1	410.0	410.9	411.8	412.2	412.6	412.8	413.2	413.1
115°	476.0	476.6	477.2	477.7	478.2	478.6	478.4	478.2	477.9	477.7	477.4
117.5°	541.3	541.7	542.2	542.6	543.0	543.5	543.7	543.8	544.0	544.2	543.8
120°	586.4	587.2	587.4	587.7	588.0	588.1	588.1	588.1	588.1	588.1	587.7
122.5°	628.9	629.4	630.1	630.7	631.3	632.0	631.8	631.6	631.4	631.2	630.7
125°	694.7	695.6	695.9	696.1	696.4	696.6	696.1	695.6	695.1	694.7	694.3
127.5°	758.0	758.6	758.8	759.1	759.4	759.7	759.4	759.2	758.9	758.7	758.4
130°	798.9	799.8	800.3	800.8	801.3	801.7	801.5	801.3	801.0	800.8	800.4
132.5°	841.5	842.4	842.4	842.3	842.2	842.1	841.8	841.6	841.3	841.0	840.7
135°	901.8	902.7	902.9	903.1	903.3	903.6	903.6	903.6	903.6	903.6	903.1
137.5°	960.3	961.3	961.8	962.3	962.9	963.4	963.7	964.0	964.3	964.6	964.1
140°	997.2	998.2	998.9	999.7	1000.3	1001.1	1001.5	1002.0	1002.6	1003.1	1002.7
142.5°	1034.1	1035.1	1035.9	1036.9	1037.8	1038.8	1039.1	1039.3	1039.6	1039.9	1039.4
145°	1089.3	1090.1	1090.9	1091.7	1092.3	1093.1	1093.1	1093.1	1093.1	1093.1	1092.7
147.5°	1138.8	1139.3	1140.0	1140.6	1141.1	1141.7	1142.3	1142.9	1143.5	1144.1	1143.5
150°	1169.9	1170.3	1171.2	1172.1	1173.2	1174.1	1174.1	1174.1	1174.1	1174.1	1173.9
152.5°	1200.2	1200.6	1201.0	1201.4	1201.8	1202.2	1202.8	1203.3	1203.9	1204.5	1204.4
155°	1242.1	1242.2	1242.5	1242.6	1242.9	1243.1	1244.2	1245.1	1246.0	1247.1	1246.9
157.5°	1278.5	1278.3	1278.6	1278.8	1279.0	1279.3	1280.3	1281.2	1282.2	1283.2	1282.9
160°	1300.4	1300.2	1300.4	1300.7	1301.0	1301.2	1302.1	1303.2	1304.1	1305.0	1305.0
162.5°	1321.4	1321.2	1321.2	1321.3	1321.3	1321.4	1322.5	1323.7	1324.8	1326.1	1325.9
165°	1348.5	1348.4	1348.7	1348.9	1349.2	1349.3	1350.4	1351.3	1352.3	1353.3	1353.0
167.5°	1369.3	1368.9	1368.9	1368.9	1368.9	1368.9	1370.4	1371.8	1373.3	1374.7	1374.7
170°	1381.7	1381.1	1381.1	1381.1	1381.1	1381.1	1382.6	1384.0	1385.5	1387.0	1386.9
172.5°	1390.4	1389.9	1389.9	1389.9	1389.9	1389.9	1391.4	1392.8	1394.3	1395.7	1395.7
175°	1400.2	1399.8	1399.8	1399.8	1399.8	1399.8	1401.2	1402.7	1404.1	1405.6	1405.5
177.5°	1406.1	1405.6	1405.4	1405.2	1405.0	1404.8	1406.0	1407.1	1408.3	1409.5	1409.4
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4



TEST NUMBER: P333152-830

CATALOG NUMBER: S125DIP-S375D1205U830-4F0-1E-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°	11.3	11.2	11.4	11.9	11.4	11.2	11.3	10.7	10.7	10.2	9.6
90°	24.1	24.8	25.5	26.3	25.5	24.8	24.1	23.4	22.4	21.2	20.0
92.5°	50.0	50.6	51.2	51.7	51.2	50.6	50.0	49.6	48.4	46.8	45.2
95°	92.7	93.2	93.7	94.2	93.7	93.2	92.7	92.3	91.1	89.4	87.8
97.5°	141.9	142.2	142.5	142.8	142.5	142.2	141.9	141.7	140.7	139.1	137.5
100°	178.1	178.6	179.2	179.6	179.2	178.6	178.1	177.7	176.3	174.2	171.9
102.5°	214.4	215.1	215.7	216.4	215.7	215.1	214.4	213.7	212.2	209.8	207.4
105°	269.5	270.1	270.9	271.6	270.9	270.1	269.5	268.7	267.6	266.2	264.7
107.5°	328.3	328.3	328.2	328.1	328.2	328.3	328.3	328.4	328.0	327.3	326.5
110°	370.9	370.7	370.4	370.2	370.4	370.7	370.9	371.2	370.9	370.2	369.5



TEST NUMBER: P333152-830

CATALOG NUMBER: S125DIP-S375D1205U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	412.7	412.3	411.8	411.4	411.8	412.3	412.7	413.1	413.2	412.8	412.6
115°	477.2	476.9	476.6	476.5	476.6	476.9	477.2	477.4	477.7	477.9	478.2
117.5°	542.9	542.0	540.9	540.0	540.9	542.0	542.9	543.8	544.2	544.0	543.8
120°	586.7	585.7	584.8	583.8	584.8	585.7	586.7	587.7	588.1	588.1	588.1
122.5°	629.9	629.1	628.4	627.6	628.4	629.1	629.9	630.7	631.2	631.4	631.6
125°	694.1	693.8	693.5	693.3	693.5	693.8	694.1	694.3	694.7	695.1	695.6
127.5°	757.9	757.3	756.9	756.4	756.9	757.3	757.9	758.4	758.7	758.9	759.2
130°	799.9	799.5	798.9	798.4	798.9	799.5	799.9	800.4	800.8	801.0	801.3
132.5°	839.9	839.2	838.6	837.9	838.6	839.2	839.9	840.7	841.0	841.3	841.6
135°	902.1	901.2	900.2	899.2	900.2	901.2	902.1	903.1	903.6	903.6	903.6
137.5°	962.9	961.7	960.5	959.2	960.5	961.7	962.9	964.1	964.6	964.3	964.0
140°	1001.5	1000.2	999.0	997.8	999.0	1000.2	1001.5	1002.7	1003.1	1002.6	1002.0
142.5°	1038.2	1037.1	1035.9	1034.6	1035.9	1037.1	1038.2	1039.4	1039.9	1039.6	1039.3
145°	1092.0	1091.3	1090.5	1089.8	1090.5	1091.3	1092.0	1092.7	1093.1	1093.1	1093.1
147.5°	1141.9	1140.2	1138.6	1136.9	1138.6	1140.2	1141.9	1143.5	1144.1	1143.5	1142.9
150°	1173.4	1172.9	1172.4	1172.0	1172.4	1172.9	1173.4	1173.9	1174.1	1174.1	1174.1
152.5°	1203.5	1202.6	1201.7	1200.9	1201.7	1202.6	1203.5	1204.4	1204.5	1203.9	1203.3
155°	1245.7	1244.4	1243.3	1242.1	1243.3	1244.4	1245.7	1246.9	1247.1	1246.0	1245.1
157.5°	1281.3	1279.7	1278.1	1276.5	1278.1	1279.7	1281.3	1282.9	1283.2	1282.2	1281.2
160°	1303.7	1302.5	1301.3	1300.1	1301.3	1302.5	1303.7	1305.0	1305.0	1304.1	1303.2
162.5°	1324.5	1323.0	1321.6	1320.2	1321.6	1323.0	1324.5	1325.9	1326.1	1324.8	1323.7
165°	1351.6	1350.1	1348.7	1347.2	1348.7	1350.1	1351.6	1353.0	1353.3	1352.3	1351.3
167.5°	1373.2	1371.7	1370.2	1368.7	1370.2	1371.7	1373.2	1374.7	1374.7	1373.3	1371.8
170°	1385.2	1383.5	1381.8	1380.1	1381.8	1383.5	1385.2	1386.9	1387.0	1385.5	1384.0
172.5°	1394.2	1392.7	1391.2	1389.7	1391.2	1392.7	1394.2	1395.7	1395.7	1394.3	1392.8
175°	1403.8	1402.1	1400.3	1398.6	1400.3	1402.1	1403.8	1405.5	1405.6	1404.1	1402.7
177.5°	1408.1	1406.7	1405.3	1403.9	1405.3	1406.7	1408.1	1409.4	1409.5	1408.3	1407.1
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4



TEST NUMBER: P333152-830

CATALOG NUMBER: S125DIP-S375D1205U830-4F0-1E-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°	8.7	8.6	7.8	7.5	7.0	6.9	6.1	5.6	5.0	4.8	4.9
90°	18.8	17.5	15.8	14.1	12.4	10.7	8.9	7.0	5.0	3.0	1.1
92.5°	43.6	42.0	40.0	37.9	35.8	33.6	32.0	30.6	29.2	27.9	26.5
95°	86.1	84.4	81.9	79.5	77.0	74.6	73.1	72.7	72.2	71.6	71.2
97.5°	135.9	134.3	130.9	127.5	124.2	120.8	119.0	118.9	118.7	118.5	118.3
100°	169.8	167.6	164.4	161.3	158.1	155.0	153.4	153.4	153.4	153.4	153.4
102.5°	205.0	202.6	201.0	199.4	197.8	196.2	194.9	194.0	192.9	192.0	191.1
105°	263.3	261.7	260.3	258.8	257.4	255.9	254.6	253.4	252.1	250.9	249.7
107.5°	325.8	325.1	324.0	322.8	321.7	320.6	319.4	318.2	317.0	315.8	314.5
110°	368.7	368.0	367.3	366.6	365.8	365.0	364.1	362.9	361.7	360.4	359.3



TEST NUMBER: P333152-830

CATALOG NUMBER: S125DIP-S375D1205U830-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	412.2	411.8	410.9	410.0	409.1	408.1	407.4	406.7	406.0	405.5	404.8
115°	478.4	478.6	478.2	477.7	477.2	476.6	476.0	474.9	474.0	473.1	472.0
117.5°	543.7	543.5	543.0	542.6	542.2	541.7	541.3	540.8	540.5	540.0	539.5
120°	588.1	588.1	588.0	587.7	587.4	587.2	586.4	585.2	584.0	582.8	581.5
122.5°	631.8	632.0	631.3	630.7	630.1	629.4	628.9	628.5	628.0	627.6	627.2
125°	696.1	696.6	696.4	696.1	695.9	695.6	694.7	693.3	691.8	690.4	688.9
127.5°	759.4	759.7	759.4	759.1	758.8	758.6	758.0	757.1	756.3	755.4	754.7
130°	801.5	801.7	801.3	800.8	800.3	799.8	798.9	797.8	796.5	795.3	794.1
132.5°	841.8	842.1	842.2	842.3	842.4	842.4	841.5	839.5	837.5	835.5	833.5
135°	903.6	903.6	903.3	903.1	902.9	902.7	901.8	900.3	898.9	897.4	896.0
137.5°	963.7	963.4	962.9	962.3	961.8	961.3	960.3	958.8	957.4	956.0	954.6
140°	1001.5	1001.1	1000.3	999.7	998.9	998.2	997.2	996.0	994.8	993.5	992.3
142.5°	1039.1	1038.8	1037.8	1036.9	1035.9	1035.1	1034.1	1033.0	1032.1	1031.0	1030.0
145°	1093.1	1093.1	1092.3	1091.7	1090.9	1090.1	1089.3	1088.4	1087.4	1086.4	1085.4
147.5°	1142.3	1141.7	1141.1	1140.6	1140.0	1139.3	1138.8	1138.3	1137.7	1137.2	1136.7
150°	1174.1	1174.1	1173.2	1172.1	1171.2	1170.3	1169.9	1170.2	1170.4	1170.6	1170.8
152.5°	1202.8	1202.2	1201.8	1201.4	1201.0	1200.6	1200.2	1200.0	1199.6	1199.2	1198.9
155°	1244.2	1243.1	1242.9	1242.6	1242.5	1242.2	1242.1	1242.1	1242.1	1242.1	1242.1
157.5°	1280.3	1279.3	1279.0	1278.8	1278.6	1278.3	1278.5	1279.0	1279.5	1280.1	1280.6
160°	1302.1	1301.2	1301.0	1300.7	1300.4	1300.2	1300.4	1301.2	1301.9	1302.7	1303.3
162.5°	1322.5	1321.4	1321.3	1321.3	1321.2	1321.2	1321.4	1321.9	1322.5	1323.0	1323.5
165°	1350.4	1349.3	1349.2	1348.9	1348.7	1348.4	1348.5	1349.1	1349.5	1350.0	1350.5
167.5°	1370.4	1368.9	1368.9	1368.9	1368.9	1368.9	1369.3	1370.4	1371.3	1372.2	1373.3
170°	1382.6	1381.1	1381.1	1381.1	1381.1	1381.1	1381.7	1382.6	1383.6	1384.6	1385.5
172.5°	1391.4	1389.9	1389.9	1389.9	1389.9	1389.9	1390.4	1391.4	1392.3	1393.4	1394.3
175°	1401.2	1399.8	1399.8	1399.8	1399.8	1399.8	1400.2	1401.2	1402.2	1403.2	1404.1
177.5°	1406.0	1404.8	1405.0	1405.2	1405.4	1405.6	1406.1	1406.8	1407.6	1408.4	1409.2
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4



TEST NUMBER: P333152-830

CATALOG NUMBER: S125DIP-S375D1205U830-4F0-1E-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	5.7	6.6	7.9	8.8	9.8	10.5	10.5	10.1	9.8	9.6
90°	3.0	5.0	7.0	8.9	10.7	12.4	14.1	15.8	17.5	18.8	20.0
92.5°	27.9	29.2	30.6	32.0	33.6	35.8	37.9	40.0	42.0	43.6	45.2
95°	71.6	72.2	72.7	73.1	74.6	77.0	79.5	81.9	84.4	86.1	87.8
97.5°	118.5	118.7	118.9	119.0	120.8	124.2	127.5	130.9	134.3	135.9	137.5
100°	153.4	153.4	153.4	153.4	155.0	158.1	161.3	164.4	167.6	169.8	171.9
102.5°	192.0	192.9	194.0	194.9	196.2	197.8	199.4	201.0	202.6	205.0	207.4
105°	250.9	252.1	253.4	254.6	255.9	257.4	258.8	260.3	261.7	263.3	264.7
107.5°	315.8	317.0	318.2	319.4	320.6	321.7	322.8	324.0	325.1	325.8	326.5
110°	360.4	361.7	362.9	364.1	365.0	365.8	366.6	367.3	368.0	368.7	369.5



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	405.5	406.0	406.7	407.4	408.1	409.1	410.0	410.9	411.8	412.2	412.6
115°	473.1	474.0	474.9	476.0	476.6	477.2	477.7	478.2	478.6	478.4	478.2
117.5°	540.0	540.5	540.8	541.3	541.7	542.2	542.6	543.0	543.5	543.7	543.8
120°	582.8	584.0	585.2	586.4	587.2	587.4	587.7	588.0	588.1	588.1	588.1
122.5°	627.6	628.0	628.5	628.9	629.4	630.1	630.7	631.3	632.0	631.8	631.6
125°	690.4	691.8	693.3	694.7	695.6	695.9	696.1	696.4	696.6	696.1	695.6
127.5°	755.4	756.3	757.1	758.0	758.6	758.8	759.1	759.4	759.7	759.4	759.2
130°	795.3	796.5	797.8	798.9	799.8	800.3	800.8	801.3	801.7	801.5	801.3
132.5°	835.5	837.5	839.5	841.5	842.4	842.4	842.3	842.2	842.1	841.8	841.6
135°	897.4	898.9	900.3	901.8	902.7	902.9	903.1	903.3	903.6	903.6	903.6
137.5°	956.0	957.4	958.8	960.3	961.3	961.8	962.3	962.9	963.4	963.7	964.0
140°	993.5	994.8	996.0	997.2	998.2	998.9	999.7	1000.3	1001.1	1001.5	1002.0
142.5°	1031.0	1032.1	1033.0	1034.1	1035.1	1035.9	1036.9	1037.8	1038.8	1039.1	1039.3
145°	1086.4	1087.4	1088.4	1089.3	1090.1	1090.9	1091.7	1092.3	1093.1	1093.1	1093.1
147.5°	1137.2	1137.7	1138.3	1138.8	1139.3	1140.0	1140.6	1141.1	1141.7	1142.3	1142.9
150°	1170.6	1170.4	1170.2	1169.9	1170.3	1171.2	1172.1	1173.2	1174.1	1174.1	1174.1
152.5°	1199.2	1199.6	1200.0	1200.2	1200.6	1201.0	1201.4	1201.8	1202.2	1202.8	1203.3
155°	1242.1	1242.1	1242.1	1242.1	1242.2	1242.5	1242.6	1242.9	1243.1	1244.2	1245.1
157.5°	1280.1	1279.5	1279.0	1278.5	1278.3	1278.6	1278.8	1279.0	1279.3	1280.3	1281.2
160°	1302.7	1301.9	1301.2	1300.4	1300.2	1300.4	1300.7	1301.0	1301.2	1302.1	1303.2
162.5°	1323.0	1322.5	1321.9	1321.4	1321.2	1321.2	1321.3	1321.3	1321.4	1322.5	1323.7
165°	1350.0	1349.5	1349.1	1348.5	1348.4	1348.7	1348.9	1349.2	1349.3	1350.4	1351.3
167.5°	1372.2	1371.3	1370.4	1369.3	1368.9	1368.9	1368.9	1368.9	1368.9	1370.4	1371.8
170°	1384.6	1383.6	1382.6	1381.7	1381.1	1381.1	1381.1	1381.1	1381.1	1382.6	1384.0
172.5°	1393.4	1392.3	1391.4	1390.4	1389.9	1389.9	1389.9	1389.9	1389.9	1391.4	1392.8
175°	1403.2	1402.2	1401.2	1400.2	1399.8	1399.8	1399.8	1399.8	1399.8	1401.2	1402.7
177.5°	1408.4	1407.6	1406.8	1406.1	1405.6	1405.4	1405.2	1405.0	1404.8	1406.0	1407.1
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4



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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°	9.8	9.3	9.5	9.5	9.7	9.6	9.4
90°	21.2	22.4	23.4	24.1	24.8	25.5	26.3
92.5°	46.8	48.4	49.6	50.0	50.6	51.2	51.7
95°	89.4	91.1	92.3	92.7	93.2	93.7	94.2
97.5°	139.1	140.7	141.7	141.9	142.2	142.5	142.8
100°	174.2	176.3	177.7	178.1	178.6	179.2	179.6
102.5°	209.8	212.2	213.7	214.4	215.1	215.7	216.4
105°	266.2	267.6	268.7	269.5	270.1	270.9	271.6
107.5°	327.3	328.0	328.4	328.3	328.3	328.2	328.1
110°	370.2	370.9	371.2	370.9	370.7	370.4	370.2



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	412.8	413.2	413.1	412.7	412.3	411.8	411.4
115°	477.9	477.7	477.4	477.2	476.9	476.6	476.5
117.5°	544.0	544.2	543.8	542.9	542.0	540.9	540.0
120°	588.1	588.1	587.7	586.7	585.7	584.8	583.8
122.5°	631.4	631.2	630.7	629.9	629.1	628.4	627.6
125°	695.1	694.7	694.3	694.1	693.8	693.5	693.3
127.5°	758.9	758.7	758.4	757.9	757.3	756.9	756.4
130°	801.0	800.8	800.4	799.9	799.5	798.9	798.4
132.5°	841.3	841.0	840.7	839.9	839.2	838.6	837.9
135°	903.6	903.6	903.1	902.1	901.2	900.2	899.2
137.5°	964.3	964.6	964.1	962.9	961.7	960.5	959.2
140°	1002.6	1003.1	1002.7	1001.5	1000.2	999.0	997.8
142.5°	1039.6	1039.9	1039.4	1038.2	1037.1	1035.9	1034.6
145°	1093.1	1093.1	1092.7	1092.0	1091.3	1090.5	1089.8
147.5°	1143.5	1144.1	1143.5	1141.9	1140.2	1138.6	1136.9
150°	1174.1	1174.1	1173.9	1173.4	1172.9	1172.4	1172.0
152.5°	1203.9	1204.5	1204.4	1203.5	1202.6	1201.7	1200.9
155°	1246.0	1247.1	1246.9	1245.7	1244.4	1243.3	1242.1
157.5°	1282.2	1283.2	1282.9	1281.3	1279.7	1278.1	1276.5
160°	1304.1	1305.0	1305.0	1303.7	1302.5	1301.3	1300.1
162.5°	1324.8	1326.1	1325.9	1324.5	1323.0	1321.6	1320.2
165°	1352.3	1353.3	1353.0	1351.6	1350.1	1348.7	1347.2
167.5°	1373.3	1374.7	1374.7	1373.2	1371.7	1370.2	1368.7
170°	1385.5	1387.0	1386.9	1385.2	1383.5	1381.8	1380.1
172.5°	1394.3	1395.7	1395.7	1394.2	1392.7	1391.2	1389.7
175°	1404.1	1405.6	1405.5	1403.8	1402.1	1400.3	1398.6
177.5°	1408.3	1409.5	1409.4	1408.1	1406.7	1405.3	1403.9
180°	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4	1407.4

(END OF REPORT)