

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: P332890-840

Luminaire Tested: **S124RDIP-S350D1205U840-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P332890-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIP-S350D1205U840-4F0-1E-UDD-A1
Description: DEFINE 4 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 350 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 1205 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5712.9 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.23 / 1.39
Luminous Opening: Rectangular (W 4' x L: 0.33' x H: 0')
CIE Type: Semi-Indirect

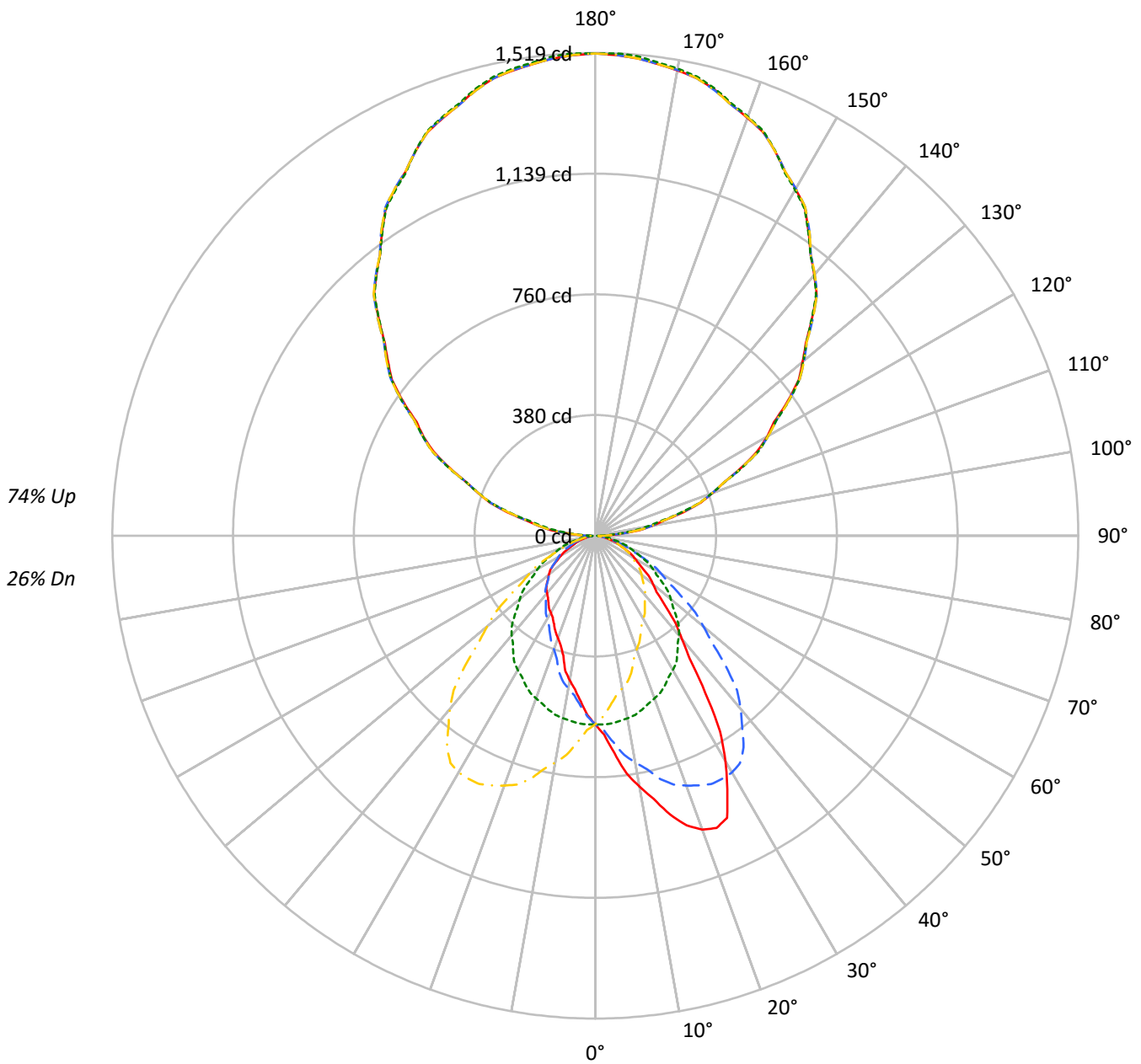
Input Watts (W): 42.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270° - · - · 135°-315°



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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	102	102	102	102	91	91	91	91	70	70	70	52	52	52	34	34	34	26
1	93	89	85	82	83	79	76	73	62	60	58	46	44	43	31	30	29	23
2	85	78	72	67	75	70	65	61	54	51	48	40	38	36	27	26	25	19
3	77	68	61	56	69	61	55	51	48	44	41	36	33	31	24	23	22	17
4	71	60	53	47	63	54	48	43	43	38	35	32	29	27	22	20	19	14
5	65	54	46	41	58	48	42	37	38	34	30	29	26	23	20	18	16	13
6	60	48	41	35	53	43	37	32	34	30	26	26	23	20	18	16	15	11
7	55	43	36	31	49	39	33	28	31	26	23	24	20	18	16	14	13	10
8	51	39	32	27	45	35	29	25	28	24	20	21	18	16	15	13	12	9
9	47	36	29	24	42	32	26	22	26	21	18	20	17	14	14	12	10	8
10	44	33	26	21	39	30	24	20	24	19	16	18	15	13	13	11	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4789	4789	4789	4789
5°	5555	4803	4246	4803
10°	6571	4782	3789	4782
15°	7590	4738	3256	4738
20°	8451	4677	2944	4677
25°	8725	4618	2734	4618
30°	7637	4545	2606	4545
35°	5945	4438	2530	4438
40°	4458	4314	2488	4314
45°	3520	4117	2466	4117
50°	2972	3890	2396	3890
55°	2590	3640	2267	3640
60°	2330	3379	2007	3379
65°	2055	3100	1727	3100
70°	1851	2811	1555	2811
75°	1550	2489	1326	2489
80°	1311	2120	1246	2120
85°	1102	1667	1102	1667



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	1.0
10°-20°	173.4	3.0
20°-30°	271.2	4.7
30°-40°	301.5	5.3
40°-50°	267.5	4.7
50°-60°	208.4	3.6
60°-70°	136.5	2.4
70°-80°	67.1	1.2
80°-90°	21.1	0.4
90°-100°	100.1	1.8
100°-110°	296.4	5.2
110°-120°	503.1	8.8
120°-130°	663.4	11.6
130°-140°	745.0	13.0
140°-150°	732.1	12.8
150°-160°	615.7	10.8
160°-170°	409.7	7.2
170°-180°	143.5	2.5
0°-30°	502.0	8.8
0°-40°	803.5	14.1
0°-60°	1279.4	22.4
0°-90°	1504.0	26.3
90°-120°	899.6	15.7
90°-150°	3040.1	53.2
90°-180°	4209.0	73.7
0°-180°	5712.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	593	593	593	593	593	
5°	686	593	524	593	686	69
15°	908	567	390	567	908	258
25°	980	518	307	518	980	435
35°	603	450	257	450	603	378
45°	308	361	216	361	308	244
55°	184	259	161	259	184	167
65°	108	162	90	162	108	108
75°	50	80	42	80	50	55
85°	12	18	12	18	12	14
90°	35	4	35	4	35	18
95°	93	70	93	70	93	97
105°	286	273	286	273	286	302
115°	507	512	507	512	507	501
125°	739	745	739	745	739	659
135°	962	961	962	961	962	743
145°	1169	1167	1169	1167	1169	731
155°	1336	1338	1336	1338	1336	615
165°	1452	1456	1452	1456	1452	409
175°	1508	1515	1508	1515	1508	143
180°	1517	1517	1517	1517	1517	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2
2.5°	625.7	627.4	625.7	625.5	623.6	623.0	622.3	619.8	615.2	612.5	613.1
5°	685.5	691.5	688.1	687.6	682.4	677.1	673.8	666.1	657.9	652.5	647.9
7.5°	754.6	758.0	755.9	752.6	744.1	739.2	731.4	721.4	706.8	695.7	685.5
10°	801.6	804.5	803.5	797.3	791.1	778.4	771.2	757.2	738.7	724.2	710.5
12.5°	847.9	850.9	842.5	842.8	831.0	821.0	809.7	791.9	770.7	751.9	734.9
15°	908.2	904.3	904.3	899.6	886.5	872.6	860.9	842.2	815.5	793.0	769.3
17.5°	955.4	956.7	954.8	943.5	933.2	918.9	897.4	875.7	850.8	820.6	796.5
20°	983.7	983.7	981.6	973.9	960.6	945.2	922.1	898.4	866.9	836.5	809.3
22.5°	995.2	995.9	993.4	987.1	975.1	960.2	940.4	916.4	883.8	849.7	816.0
25°	979.5	984.0	984.4	982.8	979.2	970.1	953.1	928.6	899.4	862.3	826.0
27.5°	899.2	904.9	910.0	918.3	929.3	934.9	935.7	923.2	897.8	862.1	825.6
30°	819.3	824.0	839.6	859.9	875.7	890.0	902.5	905.8	891.5	859.5	821.0
32.5°	730.5	737.1	752.7	774.5	800.7	825.1	852.9	867.2	866.8	847.6	812.0
35°	603.2	608.0	622.4	645.3	676.8	713.0	757.2	791.5	815.0	813.3	791.5
37.5°	486.6	491.9	506.3	525.4	556.0	600.7	643.5	690.9	734.2	758.5	751.2
40°	423.0	423.2	437.4	457.0	485.6	524.6	571.2	623.8	672.1	711.6	719.1
42.5°	372.9	372.9	382.3	403.4	424.0	460.7	505.2	557.4	614.0	659.5	679.7
45°	308.3	310.4	318.1	330.7	347.0	378.1	413.7	462.2	525.5	579.6	613.3
47.5°	261.1	264.3	269.1	279.4	292.4	313.1	342.5	386.2	437.7	497.1	545.0
50°	236.6	237.1	243.3	249.0	260.2	276.8	302.6	338.9	386.3	443.3	496.7
52.5°	215.6	215.5	219.2	226.5	235.6	248.4	269.3	302.4	344.4	395.6	450.6
55°	184.0	185.2	188.1	193.8	200.8	209.8	226.3	251.2	284.2	327.9	377.9
57.5°	160.1	160.7	162.9	165.3	171.7	178.3	190.7	207.9	235.7	271.6	318.1
60°	144.3	144.6	145.3	148.9	153.9	160.2	168.5	183.1	206.5	239.2	276.1
62.5°	129.1	129.5	130.6	133.2	137.1	141.4	150.2	161.9	181.3	209.2	242.4
65°	107.6	107.8	109.5	110.4	113.5	117.3	123.8	131.7	145.1	168.5	193.6
67.5°	89.9	89.9	90.0	91.3	93.4	95.9	99.8	106.1	116.2	130.6	152.7
70°	78.4	78.4	78.9	79.6	80.8	82.9	85.1	89.9	97.3	109.0	125.9
72.5°	67.7	67.9	68.4	68.5	69.1	70.9	72.5	75.5	81.0	89.9	103.6
75°	49.7	50.4	51.6	52.6	53.8	53.5	55.2	57.2	58.8	64.0	71.9
77.5°	37.0	36.7	36.8	37.6	37.7	38.0	39.2	40.6	41.9	44.3	47.2
80°	28.2	28.2	28.9	29.2	28.9	29.2	30.4	31.1	31.5	32.5	35.1
82.5°	21.3	21.7	21.5	21.7	21.8	22.1	23.1	23.2	23.7	24.1	25.1
85°	11.9	12.2	12.4	11.9	11.9	11.9	12.4	12.6	13.1	12.9	13.4
87.5°	11.2	10.9	11.0	10.9	11.0	10.6	10.5	10.6	9.9	9.8	9.3
90°	35.2	34.6	34.1	33.6	33.1	32.1	30.5	29.0	27.4	25.9	23.7
92.5°	52.1	51.8	51.5	51.2	50.8	50.2	49.3	48.4	47.4	46.5	45.0
95°	92.7	92.7	92.7	92.7	92.7	92.3	91.5	90.7	90.0	89.2	87.4
97.5°	145.2	145.2	145.2	145.2	145.2	144.8	143.8	142.9	142.0	141.0	138.9
100°	181.9	181.9	181.9	181.9	181.9	181.6	181.1	180.6	180.1	179.6	177.1
102.5°	223.2	223.0	222.8	222.6	222.3	221.9	221.2	220.4	219.6	218.9	216.8
105°	286.3	285.5	284.7	284.0	283.2	282.4	281.6	280.8	280.0	279.2	278.2
107.5°	347.8	347.8	347.9	347.9	348.0	347.6	346.9	346.2	345.5	344.7	344.6
110°	391.8	391.1	390.3	389.5	388.7	388.6	389.1	389.6	390.2	390.7	390.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	437.0	436.8	436.6	436.5	436.3	436.3	436.4	436.5	436.6	436.7	437.2
115°	506.9	507.2	507.4	507.7	507.9	508.2	508.4	508.7	509.0	509.2	509.7
117.5°	573.5	574.0	574.5	575.0	575.6	576.2	577.1	578.0	579.0	579.9	580.2
120°	624.2	623.7	623.1	622.6	622.1	622.5	623.8	625.1	626.4	627.7	628.4
122.5°	666.4	667.3	668.3	669.2	670.1	671.1	672.0	672.9	673.8	674.6	675.0
125°	739.1	739.6	740.2	740.7	741.2	741.7	742.3	742.8	743.4	743.9	744.1
127.5°	806.5	806.9	807.3	807.8	808.2	808.6	809.2	809.7	810.2	810.7	811.1
130°	850.6	851.6	852.7	853.7	854.7	855.6	856.1	856.6	857.2	857.7	857.7
132.5°	897.6	898.0	898.4	898.8	899.2	899.7	900.2	900.7	901.2	901.8	902.0
135°	962.1	962.8	963.6	964.4	965.2	965.8	966.3	966.9	967.5	968.0	968.0
137.5°	1029.9	1029.8	1029.6	1029.5	1029.3	1029.6	1030.2	1030.9	1031.6	1032.2	1031.8
140°	1071.2	1071.5	1071.7	1072.0	1072.3	1072.5	1072.8	1073.0	1073.3	1073.5	1073.5
142.5°	1112.5	1112.6	1112.6	1112.7	1112.7	1112.8	1112.8	1112.9	1112.9	1113.0	1113.2
145°	1168.6	1169.3	1170.1	1170.9	1171.6	1172.3	1172.5	1172.8	1173.0	1173.3	1173.0
147.5°	1225.4	1225.6	1225.9	1226.2	1226.4	1226.6	1226.9	1227.1	1227.3	1227.5	1227.7
150°	1260.1	1260.3	1260.6	1260.8	1261.1	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2
152.5°	1292.0	1292.6	1293.3	1294.0	1294.7	1294.7	1294.1	1293.4	1292.8	1292.2	1292.0
155°	1336.4	1337.4	1338.5	1339.5	1340.5	1340.5	1339.5	1338.5	1337.4	1336.4	1336.6
157.5°	1376.0	1376.8	1377.8	1378.7	1379.6	1379.6	1378.8	1378.1	1377.3	1376.4	1376.5
160°	1398.6	1399.9	1401.1	1402.4	1403.7	1404.0	1403.2	1402.4	1401.7	1400.9	1401.1
162.5°	1422.0	1423.3	1424.6	1425.9	1427.2	1427.1	1425.7	1424.3	1422.9	1421.5	1421.8
165°	1452.5	1453.5	1454.6	1455.6	1456.6	1456.4	1454.8	1453.3	1451.7	1450.2	1450.7
167.5°	1474.3	1475.9	1477.5	1479.1	1480.8	1480.8	1479.3	1477.6	1476.1	1474.5	1474.5
170°	1486.5	1488.3	1490.2	1492.0	1493.8	1494.0	1492.4	1490.9	1489.2	1487.7	1487.4
172.5°	1496.8	1498.6	1500.5	1502.3	1504.2	1504.2	1502.4	1500.7	1498.8	1497.1	1497.0
175°	1507.6	1509.4	1511.3	1513.1	1514.9	1514.9	1513.1	1511.3	1509.4	1507.6	1507.9
177.5°	1513.3	1514.9	1516.6	1518.2	1519.9	1520.0	1518.6	1517.1	1515.7	1514.2	1514.2
180°	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2
2.5°	611.2	608.5	607.1	604.1	600.5	598.5	596.8	594.3	591.1	587.6	585.2
5°	642.2	636.4	629.2	620.7	613.1	605.6	599.2	592.7	585.3	577.6	570.1
7.5°	674.0	662.8	650.6	636.4	622.8	610.3	598.7	587.8	575.4	564.2	554.1
10°	696.2	681.0	664.0	646.0	628.1	612.6	597.2	583.4	568.2	554.5	543.0
12.5°	714.2	696.2	675.8	653.5	631.9	613.1	595.5	577.4	560.1	545.3	530.0
15°	744.0	719.4	692.0	665.1	637.2	611.6	587.9	566.9	547.0	526.2	511.7
17.5°	764.6	735.3	701.9	669.7	636.7	606.5	579.3	554.2	531.3	510.1	492.7
20°	776.8	744.5	707.4	670.9	633.8	601.6	572.2	544.4	520.8	497.9	479.9
22.5°	783.7	747.9	707.4	669.1	630.8	595.8	563.6	534.7	509.0	485.9	466.2
25°	785.9	747.6	706.3	662.3	620.3	583.2	549.7	518.4	489.7	466.8	445.8
27.5°	782.7	737.7	695.4	650.3	606.8	567.8	532.7	499.8	471.1	446.5	424.9
30°	778.2	729.9	684.5	637.6	593.7	556.1	519.1	487.6	457.7	432.1	410.4
32.5°	768.2	720.3	671.5	623.5	579.0	540.3	505.1	473.4	444.1	418.0	394.9
35°	748.5	700.0	647.0	597.7	554.0	513.8	480.9	450.3	422.3	394.4	370.0
37.5°	722.6	673.1	620.3	566.3	522.5	484.6	454.4	425.7	398.4	372.8	345.9
40°	698.1	653.0	598.4	544.9	500.0	463.4	435.5	409.4	381.9	356.6	329.6
42.5°	668.5	630.1	574.9	521.2	476.9	441.6	415.6	390.1	365.1	340.5	312.4
45°	619.0	589.9	538.3	486.7	441.9	407.0	383.1	360.6	338.7	315.3	288.7
47.5°	562.3	542.6	498.1	445.1	403.8	372.4	349.3	330.9	312.4	288.9	265.7
50°	522.9	510.3	467.3	419.0	379.5	350.6	327.0	309.7	294.2	271.8	251.0
52.5°	480.9	474.1	437.8	391.6	353.6	325.2	305.0	289.5	273.8	255.1	235.7
55°	416.8	420.4	389.6	349.6	313.8	289.9	271.6	258.6	245.2	229.4	214.4
57.5°	351.3	364.5	343.8	308.7	275.1	253.0	239.1	228.3	217.0	204.0	191.1
60°	312.1	323.2	311.4	280.5	251.2	230.7	217.7	209.3	198.1	186.2	176.4
62.5°	273.9	285.7	278.7	253.8	226.5	208.8	197.4	189.7	181.3	170.9	160.7
65°	225.9	233.5	230.1	213.0	193.6	178.5	168.0	162.3	154.6	147.0	137.9
67.5°	173.0	187.7	185.8	176.6	160.0	148.1	141.3	136.2	129.3	123.6	117.4
70°	142.2	155.8	155.6	148.1	139.1	128.2	123.3	119.1	112.8	107.3	102.3
72.5°	116.4	128.9	130.8	125.0	118.9	110.5	105.9	103.0	96.9	93.2	89.1
75°	81.5	90.6	93.0	93.0	90.1	85.8	81.7	79.8	75.5	72.2	69.8
77.5°	53.4	59.2	62.9	63.7	64.2	62.7	59.4	58.1	54.7	53.6	51.3
80°	37.8	41.6	45.8	47.4	48.5	48.1	46.7	45.6	42.5	41.3	40.4
82.5°	26.1	28.2	31.7	34.9	34.5	35.9	34.5	33.8	31.4	31.0	30.1
85°	13.6	13.8	14.3	16.5	17.7	18.2	18.4	18.0	17.2	17.2	15.6
87.5°	8.9	8.3	8.3	7.8	7.4	7.6	7.6	7.2	7.2	7.2	7.2
90°	21.6	19.6	17.5	14.9	12.1	9.3	6.4	3.5	6.4	9.3	12.1
92.5°	43.5	42.1	40.6	38.3	34.9	31.7	28.4	25.1	28.4	31.7	34.9
95°	85.5	83.7	81.9	79.8	77.5	75.1	72.7	70.4	72.7	75.1	77.5
97.5°	136.7	134.6	132.5	130.5	128.6	126.7	124.8	123.0	124.8	126.7	128.6
100°	174.8	172.5	170.2	168.4	167.3	166.3	165.3	164.3	165.3	166.3	167.3
102.5°	214.7	212.5	210.4	209.1	208.6	208.2	207.8	207.4	207.8	208.2	208.6
105°	277.1	276.1	275.1	274.4	274.2	273.9	273.7	273.4	273.7	273.9	274.2
107.5°	344.4	344.3	344.1	343.9	343.6	343.3	343.0	342.5	343.0	343.3	343.6
110°	391.2	391.5	391.7	391.6	391.1	390.5	390.0	389.5	390.0	390.5	391.1



TEST NUMBER: P332890-840

CATALOG NUMBER: S124RDIP-S350D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	437.7	438.1	438.6	438.8	438.7	438.6	438.5	438.3	438.5	438.6	438.7
115°	510.3	510.8	511.3	511.5	511.5	511.5	511.5	511.5	511.5	511.5	511.5
117.5°	580.6	580.9	581.3	581.4	581.2	581.0	580.8	580.6	580.8	581.0	581.2
120°	629.2	630.1	630.9	630.7	629.7	628.6	627.5	626.5	627.5	628.6	629.7
122.5°	675.4	675.7	676.1	676.1	675.6	675.2	674.8	674.4	674.8	675.2	675.6
125°	744.4	744.7	744.9	745.0	745.0	745.0	745.0	745.0	745.0	745.0	745.0
127.5°	811.5	811.9	812.4	812.2	811.4	810.6	809.9	809.1	809.9	810.6	811.4
130°	857.7	857.7	857.7	857.3	856.5	855.7	855.0	854.1	855.0	855.7	856.5
132.5°	902.2	902.4	902.6	902.4	901.8	901.3	900.7	900.1	900.7	901.3	901.8
135°	968.0	968.0	968.0	967.1	965.6	964.0	962.5	960.9	962.5	964.0	965.6
137.5°	1031.4	1031.0	1030.6	1030.0	1029.3	1028.5	1027.8	1027.0	1027.8	1028.5	1029.3
140°	1073.5	1073.5	1073.5	1073.3	1072.8	1072.3	1071.7	1071.2	1071.7	1072.3	1072.8
142.5°	1113.4	1113.6	1113.8	1113.7	1113.1	1112.6	1112.1	1111.6	1112.1	1112.6	1113.1
145°	1172.8	1172.5	1172.3	1171.5	1170.5	1169.5	1168.4	1167.4	1168.4	1169.5	1170.5
147.5°	1227.9	1228.1	1228.3	1227.8	1226.5	1225.3	1224.1	1222.7	1224.1	1225.3	1226.5
150°	1261.2	1261.2	1261.2	1260.7	1259.7	1258.7	1257.6	1256.6	1257.6	1258.7	1259.7
152.5°	1291.8	1291.6	1291.4	1291.0	1290.3	1289.7	1289.1	1288.5	1289.1	1289.7	1290.3
155°	1336.9	1337.2	1337.4	1337.5	1337.5	1337.5	1337.5	1337.5	1337.5	1337.5	1337.5
157.5°	1376.5	1376.6	1376.6	1377.0	1377.5	1377.9	1378.4	1378.8	1378.4	1377.9	1377.5
160°	1401.4	1401.7	1401.9	1402.2	1402.4	1402.7	1403.0	1403.2	1403.0	1402.7	1402.4
162.5°	1422.1	1422.3	1422.6	1423.0	1423.7	1424.4	1425.0	1425.7	1425.0	1424.4	1423.7
165°	1451.2	1451.7	1452.2	1452.9	1453.7	1454.4	1455.2	1456.0	1455.2	1454.4	1453.7
167.5°	1474.4	1474.4	1474.3	1474.9	1475.9	1477.0	1478.1	1479.3	1478.1	1477.0	1475.9
170°	1487.1	1486.9	1486.6	1487.1	1488.4	1489.8	1491.1	1492.4	1491.1	1489.8	1488.4
172.5°	1497.0	1496.9	1496.8	1497.4	1498.4	1499.5	1500.7	1501.8	1500.7	1499.5	1498.4
175°	1508.1	1508.4	1508.6	1509.4	1510.8	1512.1	1513.4	1514.7	1513.4	1512.1	1510.8
177.5°	1514.2	1514.2	1514.2	1514.7	1515.8	1516.8	1517.8	1518.9	1517.8	1516.8	1515.8
180°	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0



TEST NUMBER: P332890-840

CATALOG NUMBER: S124RDIP-S350D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2
2.5°	582.5	580.6	578.1	575.2	571.8	568.8	567.3	568.6	569.2	567.5	567.3
5°	564.7	558.8	554.0	546.8	541.1	536.3	533.0	531.5	532.0	528.2	527.3
7.5°	544.8	537.8	529.9	521.4	513.5	506.4	502.8	500.8	496.7	494.9	492.0
10°	532.0	522.5	514.8	504.7	495.6	487.4	483.2	479.9	475.8	473.9	469.9
12.5°	518.9	507.8	499.3	488.9	479.6	469.6	465.6	459.5	453.1	449.1	443.8
15°	500.2	486.9	476.6	464.1	453.1	441.7	431.4	419.9	415.7	406.6	401.3
17.5°	478.5	464.9	452.2	435.6	418.6	404.2	393.3	382.3	375.8	370.0	367.3
20°	464.1	451.7	434.0	414.7	395.8	380.0	371.1	364.0	356.8	352.7	349.9
22.5°	450.6	434.6	414.1	393.2	374.4	362.0	354.6	347.2	341.3	337.5	333.7
25°	427.8	407.0	385.3	361.3	348.5	337.7	329.6	323.6	320.0	315.0	313.1
27.5°	404.5	379.2	355.3	339.2	325.8	315.9	308.8	304.4	299.8	296.6	294.1
30°	386.5	360.9	339.4	324.1	310.4	302.4	296.6	291.3	287.7	285.1	283.3
32.5°	368.7	343.2	325.1	308.6	297.8	289.9	283.8	279.8	277.0	273.7	272.5
35°	343.0	320.2	304.5	289.6	278.7	271.6	266.7	262.7	260.2	259.3	258.6
37.5°	318.2	299.6	282.7	270.5	260.7	255.1	249.4	247.4	245.8	244.1	244.9
40°	302.6	285.1	270.0	257.2	249.2	243.1	239.7	237.3	235.9	235.9	235.9
42.5°	289.0	272.0	257.2	245.7	237.8	232.6	228.8	226.8	226.3	226.1	227.3
45°	267.9	252.2	237.3	227.7	221.1	215.8	213.7	212.0	212.0	213.0	213.2
47.5°	247.0	232.3	220.4	209.6	203.5	200.3	198.3	197.5	197.6	198.5	199.7
50°	234.2	219.6	207.9	198.3	192.7	189.6	187.8	187.3	187.8	187.8	189.6
52.5°	220.3	207.2	195.7	187.6	181.2	178.2	177.3	176.6	176.9	177.7	178.4
55°	199.9	188.1	177.1	169.5	164.7	162.8	160.6	160.9	160.4	160.9	160.9
57.5°	179.3	168.7	158.5	152.5	148.2	145.5	143.2	143.8	143.1	143.0	142.6
60°	166.1	154.6	146.5	141.0	136.2	133.8	131.7	132.2	131.5	131.0	130.0
62.5°	151.8	142.2	134.4	129.2	125.3	122.6	120.4	120.0	118.3	116.6	114.5
65°	131.0	123.1	116.1	111.2	107.6	105.4	103.7	102.3	98.7	94.9	93.0
67.5°	110.8	105.0	98.6	94.3	91.4	88.7	85.4	83.0	79.7	77.6	76.3
70°	97.8	92.3	86.7	82.7	79.6	77.0	73.4	71.7	69.3	68.4	67.2
72.5°	85.3	80.2	75.1	71.4	68.2	66.0	63.2	61.6	60.5	60.1	59.0
75°	66.4	62.4	58.6	55.2	52.6	51.1	50.0	48.8	48.3	46.2	44.9
77.5°	48.5	45.7	43.4	41.0	39.2	38.2	35.9	34.5	33.7	32.7	32.4
80°	37.8	35.9	33.4	32.0	29.4	28.5	27.5	27.3	27.0	26.8	26.6
82.5°	28.4	26.5	24.1	23.2	22.5	21.9	21.4	21.1	20.9	21.0	21.0
85°	14.3	13.4	13.4	13.1	12.9	12.6	12.4	12.4	12.2	12.4	12.2
87.5°	7.8	8.1	8.5	8.6	9.2	9.6	9.7	10.0	10.5	10.4	10.6
90°	14.9	17.5	19.6	21.6	23.7	25.9	27.4	29.0	30.5	32.1	33.1
92.5°	38.3	40.6	42.1	43.5	45.0	46.5	47.4	48.4	49.3	50.2	50.8
95°	79.8	81.9	83.7	85.5	87.4	89.2	90.0	90.7	91.5	92.3	92.7
97.5°	130.5	132.5	134.6	136.7	138.9	141.0	142.0	142.9	143.8	144.8	145.2
100°	168.4	170.2	172.5	174.8	177.1	179.6	180.1	180.6	181.1	181.6	181.9
102.5°	209.1	210.4	212.5	214.7	216.8	218.9	219.6	220.4	221.2	221.9	222.3
105°	274.4	275.1	276.1	277.1	278.2	279.2	280.0	280.8	281.6	282.4	283.2
107.5°	343.9	344.1	344.3	344.4	344.6	344.7	345.5	346.2	346.9	347.6	348.0
110°	391.6	391.7	391.5	391.2	390.9	390.7	390.2	389.6	389.1	388.6	388.7



TEST NUMBER: P332890-840

CATALOG NUMBER: S124RDIP-S350D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	438.8	438.6	438.1	437.7	437.2	436.7	436.6	436.5	436.4	436.3	436.3
115°	511.5	511.3	510.8	510.3	509.7	509.2	509.0	508.7	508.4	508.2	507.9
117.5°	581.4	581.3	580.9	580.6	580.2	579.9	579.0	578.0	577.1	576.2	575.6
120°	630.7	630.9	630.1	629.2	628.4	627.7	626.4	625.1	623.8	622.5	622.1
122.5°	676.1	676.1	675.7	675.4	675.0	674.6	673.8	672.9	672.0	671.1	670.1
125°	745.0	744.9	744.7	744.4	744.1	743.9	743.4	742.8	742.3	741.7	741.2
127.5°	812.2	812.4	811.9	811.5	811.1	810.7	810.2	809.7	809.2	808.6	808.2
130°	857.3	857.7	857.7	857.7	857.7	857.7	857.2	856.6	856.1	855.6	854.7
132.5°	902.4	902.6	902.4	902.2	902.0	901.8	901.2	900.7	900.2	899.7	899.2
135°	967.1	968.0	968.0	968.0	968.0	968.0	967.5	966.9	966.3	965.8	965.2
137.5°	1030.0	1030.6	1031.0	1031.4	1031.8	1032.2	1031.6	1030.9	1030.2	1029.6	1029.3
140°	1073.3	1073.5	1073.5	1073.5	1073.5	1073.5	1073.3	1073.0	1072.8	1072.5	1072.3
142.5°	1113.7	1113.8	1113.6	1113.4	1113.2	1113.0	1112.9	1112.9	1112.8	1112.8	1112.7
145°	1171.5	1172.3	1172.5	1172.8	1173.0	1173.3	1173.0	1172.8	1172.5	1172.3	1171.6
147.5°	1227.8	1228.3	1228.1	1227.9	1227.7	1227.5	1227.3	1227.1	1226.9	1226.6	1226.4
150°	1260.7	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2	1261.1
152.5°	1291.0	1291.4	1291.6	1291.8	1292.0	1292.2	1292.8	1293.4	1294.1	1294.7	1294.7
155°	1337.5	1337.4	1337.2	1336.9	1336.6	1336.4	1337.4	1338.5	1339.5	1340.5	1340.5
157.5°	1377.0	1376.6	1376.6	1376.5	1376.5	1376.4	1377.3	1378.1	1378.8	1379.6	1379.6
160°	1402.2	1401.9	1401.7	1401.4	1401.1	1400.9	1401.7	1402.4	1403.2	1404.0	1403.7
162.5°	1423.0	1422.6	1422.3	1422.1	1421.8	1421.5	1422.9	1424.3	1425.7	1427.1	1427.2
165°	1452.9	1452.2	1451.7	1451.2	1450.7	1450.2	1451.7	1453.3	1454.8	1456.4	1456.6
167.5°	1474.9	1474.3	1474.4	1474.4	1474.5	1474.5	1476.1	1477.6	1479.3	1480.8	1480.8
170°	1487.1	1486.6	1486.9	1487.1	1487.4	1487.7	1489.2	1490.9	1492.4	1494.0	1493.8
172.5°	1497.4	1496.8	1496.9	1497.0	1497.0	1497.1	1498.8	1500.7	1502.4	1504.2	1504.2
175°	1509.4	1508.6	1508.4	1508.1	1507.9	1507.6	1509.4	1511.3	1513.1	1514.9	1514.9
177.5°	1514.7	1514.2	1514.2	1514.2	1514.2	1514.2	1515.7	1517.1	1518.6	1520.0	1519.9
180°	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0



TEST NUMBER: P332890-840

CATALOG NUMBER: S124RDIP-S350D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2
2.5°	566.2	566.6	565.3	564.9	565.3	566.6	566.2	567.3	567.5	569.2	568.6
5°	525.3	524.8	523.6	523.9	523.6	524.8	525.3	527.3	528.2	532.0	531.5
7.5°	490.3	488.5	489.0	487.1	489.0	488.5	490.3	492.0	494.9	496.7	500.8
10°	468.9	466.3	464.1	462.2	464.1	466.3	468.9	469.9	473.9	475.8	479.9
12.5°	439.7	437.4	434.5	435.0	434.5	437.4	439.7	443.8	449.1	453.1	459.5
15°	398.2	394.6	388.9	389.6	388.9	394.6	398.2	401.3	406.6	415.7	419.9
17.5°	363.0	363.0	360.4	361.1	360.4	363.0	363.0	367.3	370.0	375.8	382.3
20°	344.9	343.3	343.5	342.7	343.5	343.3	344.9	349.9	352.7	356.8	364.0
22.5°	332.2	330.2	328.5	327.1	328.5	330.2	332.2	333.7	337.5	341.3	347.2
25°	310.9	309.5	307.4	306.9	307.4	309.5	310.9	313.1	315.0	320.0	323.6
27.5°	292.2	292.0	291.0	289.9	291.0	292.0	292.2	294.1	296.6	299.8	304.4
30°	281.3	280.8	280.3	279.6	280.3	280.8	281.3	283.3	285.1	287.7	291.3
32.5°	271.6	271.2	270.7	270.8	270.7	271.2	271.6	272.5	273.7	277.0	279.8
35°	257.6	257.4	256.9	256.7	256.9	257.4	257.6	258.6	259.3	260.2	262.7
37.5°	244.7	245.3	245.0	244.9	245.0	245.3	244.7	244.9	244.1	245.8	247.4
40°	235.7	235.9	236.4	236.1	236.4	235.9	235.7	235.9	235.9	235.9	237.3
42.5°	228.2	228.2	228.9	228.1	228.9	228.2	228.2	227.3	226.1	226.3	226.8
45°	214.9	216.3	216.0	216.0	216.0	216.3	214.9	213.2	213.0	212.0	212.0
47.5°	200.3	201.6	201.9	201.8	201.9	201.6	200.3	199.7	198.5	197.6	197.5
50°	190.8	190.3	191.0	190.8	191.0	190.3	190.8	189.6	187.8	187.8	187.3
52.5°	179.0	179.2	179.2	178.8	179.2	179.2	179.0	178.4	177.7	176.9	176.6
55°	161.1	161.4	160.9	161.1	160.9	161.4	161.1	160.9	160.9	160.4	160.9
57.5°	141.6	140.5	140.9	140.4	140.9	140.5	141.6	142.6	143.0	143.1	143.8
60°	127.6	125.7	125.2	124.3	125.2	125.7	127.6	130.0	131.0	131.5	132.2
62.5°	112.0	110.6	109.0	109.8	109.0	110.6	112.0	114.5	116.6	118.3	120.0
65°	91.1	90.1	89.4	90.4	89.4	90.1	91.1	93.0	94.9	98.7	102.3
67.5°	75.3	74.8	74.8	74.4	74.8	74.8	75.3	76.3	77.6	79.7	83.0
70°	67.2	66.4	66.4	65.9	66.4	66.4	67.2	67.2	68.4	69.3	71.7
72.5°	58.8	58.1	58.3	58.0	58.3	58.1	58.8	59.0	60.1	60.5	61.6
75°	43.5	42.3	42.3	42.5	42.3	42.3	43.5	44.9	46.2	48.3	48.8
77.5°	32.4	32.2	32.5	32.1	32.5	32.2	32.4	32.4	32.7	33.7	34.5
80°	26.6	26.3	26.1	26.8	26.1	26.3	26.6	26.6	26.8	27.0	27.3
82.5°	20.6	20.6	20.5	21.4	20.5	20.6	20.6	21.0	21.0	20.9	21.1
85°	12.4	11.9	12.4	11.9	12.4	11.9	12.4	12.2	12.4	12.2	12.4
87.5°	11.1	11.0	10.9	11.2	10.9	11.0	11.1	10.6	10.4	10.5	10.0
90°	33.6	34.1	34.6	35.2	34.6	34.1	33.6	33.1	32.1	30.5	29.0
92.5°	51.2	51.5	51.8	52.1	51.8	51.5	51.2	50.8	50.2	49.3	48.4
95°	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.3	91.5	90.7
97.5°	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2	144.8	143.8	142.9
100°	181.9	181.9	181.9	181.9	181.9	181.9	181.9	181.9	181.6	181.1	180.6
102.5°	222.6	222.8	223.0	223.2	223.0	222.8	222.6	222.3	221.9	221.2	220.4
105°	284.0	284.7	285.5	286.3	285.5	284.7	284.0	283.2	282.4	281.6	280.8
107.5°	347.9	347.9	347.8	347.8	347.8	347.9	347.9	348.0	347.6	346.9	346.2
110°	389.5	390.3	391.1	391.8	391.1	390.3	389.5	388.7	388.6	389.1	389.6



TEST NUMBER: P332890-840

CATALOG NUMBER: S124RDIP-S350D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	436.5	436.6	436.8	437.0	436.8	436.6	436.5	436.3	436.3	436.4	436.5
115°	507.7	507.4	507.2	506.9	507.2	507.4	507.7	507.9	508.2	508.4	508.7
117.5°	575.0	574.5	574.0	573.5	574.0	574.5	575.0	575.6	576.2	577.1	578.0
120°	622.6	623.1	623.7	624.2	623.7	623.1	622.6	622.1	622.5	623.8	625.1
122.5°	669.2	668.3	667.3	666.4	667.3	668.3	669.2	670.1	671.1	672.0	672.9
125°	740.7	740.2	739.6	739.1	739.6	740.2	740.7	741.2	741.7	742.3	742.8
127.5°	807.8	807.3	806.9	806.5	806.9	807.3	807.8	808.2	808.6	809.2	809.7
130°	853.7	852.7	851.6	850.6	851.6	852.7	853.7	854.7	855.6	856.1	856.6
132.5°	898.8	898.4	898.0	897.6	898.0	898.4	898.8	899.2	899.7	900.2	900.7
135°	964.4	963.6	962.8	962.1	962.8	963.6	964.4	965.2	965.8	966.3	966.9
137.5°	1029.5	1029.6	1029.8	1029.9	1029.8	1029.6	1029.5	1029.3	1029.6	1030.2	1030.9
140°	1072.0	1071.7	1071.5	1071.2	1071.5	1071.7	1072.0	1072.3	1072.5	1072.8	1073.0
142.5°	1112.7	1112.6	1112.6	1112.5	1112.6	1112.6	1112.7	1112.7	1112.8	1112.8	1112.9
145°	1170.9	1170.1	1169.3	1168.6	1169.3	1170.1	1170.9	1171.6	1172.3	1172.5	1172.8
147.5°	1226.2	1225.9	1225.6	1225.4	1225.6	1225.9	1226.2	1226.4	1226.6	1226.9	1227.1
150°	1260.8	1260.6	1260.3	1260.1	1260.3	1260.6	1260.8	1261.1	1261.2	1261.2	1261.2
152.5°	1294.0	1293.3	1292.6	1292.0	1292.6	1293.3	1294.0	1294.7	1294.7	1294.1	1293.4
155°	1339.5	1338.5	1337.4	1336.4	1337.4	1338.5	1339.5	1340.5	1340.5	1339.5	1338.5
157.5°	1378.7	1377.8	1376.8	1376.0	1376.8	1377.8	1378.7	1379.6	1379.6	1378.8	1378.1
160°	1402.4	1401.1	1399.9	1398.6	1399.9	1401.1	1402.4	1403.7	1404.0	1403.2	1402.4
162.5°	1425.9	1424.6	1423.3	1422.0	1423.3	1424.6	1425.9	1427.2	1427.1	1425.7	1424.3
165°	1455.6	1454.6	1453.5	1452.5	1453.5	1454.6	1455.6	1456.6	1456.4	1454.8	1453.3
167.5°	1479.1	1477.5	1475.9	1474.3	1475.9	1477.5	1479.1	1480.8	1480.8	1479.3	1477.6
170°	1492.0	1490.2	1488.3	1486.5	1488.3	1490.2	1492.0	1493.8	1494.0	1492.4	1490.9
172.5°	1502.3	1500.5	1498.6	1496.8	1498.6	1500.5	1502.3	1504.2	1504.2	1502.4	1500.7
175°	1513.1	1511.3	1509.4	1507.6	1509.4	1511.3	1513.1	1514.9	1514.9	1513.1	1511.3
177.5°	1518.2	1516.6	1514.9	1513.3	1514.9	1516.6	1518.2	1519.9	1520.0	1518.6	1517.1
180°	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0



TEST NUMBER: P332890-840

CATALOG NUMBER: S124RDIP-S350D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2
2.5°	567.3	568.8	571.8	575.2	578.1	580.6	582.5	585.2	587.6	591.1	594.3
5°	533.0	536.3	541.1	546.8	554.0	558.8	564.7	570.1	577.6	585.3	592.7
7.5°	502.8	506.4	513.5	521.4	529.9	537.8	544.8	554.1	564.2	575.4	587.8
10°	483.2	487.4	495.6	504.7	514.8	522.5	532.0	543.0	554.5	568.2	583.4
12.5°	465.6	469.6	479.6	488.9	499.3	507.8	518.9	530.0	545.3	560.1	577.4
15°	431.4	441.7	453.1	464.1	476.6	486.9	500.2	511.7	526.2	547.0	566.9
17.5°	393.3	404.2	418.6	435.6	452.2	464.9	478.5	492.7	510.1	531.3	554.2
20°	371.1	380.0	395.8	414.7	434.0	451.7	464.1	479.9	497.9	520.8	544.4
22.5°	354.6	362.0	374.4	393.2	414.1	434.6	450.6	466.2	485.9	509.0	534.7
25°	329.6	337.7	348.5	361.3	385.3	407.0	427.8	445.8	466.8	489.7	518.4
27.5°	308.8	315.9	325.8	339.2	355.3	379.2	404.5	424.9	446.5	471.1	499.8
30°	296.6	302.4	310.4	324.1	339.4	360.9	386.5	410.4	432.1	457.7	487.6
32.5°	283.8	289.9	297.8	308.6	325.1	343.2	368.7	394.9	418.0	444.1	473.4
35°	266.7	271.6	278.7	289.6	304.5	320.2	343.0	370.0	394.4	422.3	450.3
37.5°	249.4	255.1	260.7	270.5	282.7	299.6	318.2	345.9	372.8	398.4	425.7
40°	239.7	243.1	249.2	257.2	270.0	285.1	302.6	329.6	356.6	381.9	409.4
42.5°	228.8	232.6	237.8	245.7	257.2	272.0	289.0	312.4	340.5	365.1	390.1
45°	213.7	215.8	221.1	227.7	237.3	252.2	267.9	288.7	315.3	338.7	360.6
47.5°	198.3	200.3	203.5	209.6	220.4	232.3	247.0	265.7	288.9	312.4	330.9
50°	187.8	189.6	192.7	198.3	207.9	219.6	234.2	251.0	271.8	294.2	309.7
52.5°	177.3	178.2	181.2	187.6	195.7	207.2	220.3	235.7	255.1	273.8	289.5
55°	160.6	162.8	164.7	169.5	177.1	188.1	199.9	214.4	229.4	245.2	258.6
57.5°	143.2	145.5	148.2	152.5	158.5	168.7	179.3	191.1	204.0	217.0	228.3
60°	131.7	133.8	136.2	141.0	146.5	154.6	166.1	176.4	186.2	198.1	209.3
62.5°	120.4	122.6	125.3	129.2	134.4	142.2	151.8	160.7	170.9	181.3	189.7
65°	103.7	105.4	107.6	111.2	116.1	123.1	131.0	137.9	147.0	154.6	162.3
67.5°	85.4	88.7	91.4	94.3	98.6	105.0	110.8	117.4	123.6	129.3	136.2
70°	73.4	77.0	79.6	82.7	86.7	92.3	97.8	102.3	107.3	112.8	119.1
72.5°	63.2	66.0	68.2	71.4	75.1	80.2	85.3	89.1	93.2	96.9	103.0
75°	50.0	51.1	52.6	55.2	58.6	62.4	66.4	69.8	72.2	75.5	79.8
77.5°	35.9	38.2	39.2	41.0	43.4	45.7	48.5	51.3	53.6	54.7	58.1
80°	27.5	28.5	29.4	32.0	33.4	35.9	37.8	40.4	41.3	42.5	45.6
82.5°	21.4	21.9	22.5	23.2	24.1	26.5	28.4	30.1	31.0	31.4	33.8
85°	12.4	12.6	12.9	13.1	13.4	13.4	14.3	15.6	17.2	17.2	18.0
87.5°	9.7	9.6	9.2	8.6	8.5	8.1	7.8	7.2	7.2	7.2	7.2
90°	27.4	25.9	23.7	21.6	19.6	17.5	14.9	12.1	9.3	6.4	3.5
92.5°	47.4	46.5	45.0	43.5	42.1	40.6	38.3	34.9	31.7	28.4	25.1
95°	90.0	89.2	87.4	85.5	83.7	81.9	79.8	77.5	75.1	72.7	70.4
97.5°	142.0	141.0	138.9	136.7	134.6	132.5	130.5	128.6	126.7	124.8	123.0
100°	180.1	179.6	177.1	174.8	172.5	170.2	168.4	167.3	166.3	165.3	164.3
102.5°	219.6	218.9	216.8	214.7	212.5	210.4	209.1	208.6	208.2	207.8	207.4
105°	280.0	279.2	278.2	277.1	276.1	275.1	274.4	274.2	273.9	273.7	273.4
107.5°	345.5	344.7	344.6	344.4	344.3	344.1	343.9	343.6	343.3	343.0	342.5
110°	390.2	390.7	390.9	391.2	391.5	391.7	391.6	391.1	390.5	390.0	389.5



TEST NUMBER: P332890-840

CATALOG NUMBER: S124RDIP-S350D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	436.6	436.7	437.2	437.7	438.1	438.6	438.8	438.7	438.6	438.5	438.3
115°	509.0	509.2	509.7	510.3	510.8	511.3	511.5	511.5	511.5	511.5	511.5
117.5°	579.0	579.9	580.2	580.6	580.9	581.3	581.4	581.2	581.0	580.8	580.6
120°	626.4	627.7	628.4	629.2	630.1	630.9	630.7	629.7	628.6	627.5	626.5
122.5°	673.8	674.6	675.0	675.4	675.7	676.1	676.1	675.6	675.2	674.8	674.4
125°	743.4	743.9	744.1	744.4	744.7	744.9	745.0	745.0	745.0	745.0	745.0
127.5°	810.2	810.7	811.1	811.5	811.9	812.4	812.2	811.4	810.6	809.9	809.1
130°	857.2	857.7	857.7	857.7	857.7	857.7	857.3	856.5	855.7	855.0	854.1
132.5°	901.2	901.8	902.0	902.2	902.4	902.6	902.4	901.8	901.3	900.7	900.1
135°	967.5	968.0	968.0	968.0	968.0	968.0	967.1	965.6	964.0	962.5	960.9
137.5°	1031.6	1032.2	1031.8	1031.4	1031.0	1030.6	1030.0	1029.3	1028.5	1027.8	1027.0
140°	1073.3	1073.5	1073.5	1073.5	1073.5	1073.5	1073.3	1072.8	1072.3	1071.7	1071.2
142.5°	1112.9	1113.0	1113.2	1113.4	1113.6	1113.8	1113.7	1113.1	1112.6	1112.1	1111.6
145°	1173.0	1173.3	1173.0	1172.8	1172.5	1172.3	1171.5	1170.5	1169.5	1168.4	1167.4
147.5°	1227.3	1227.5	1227.7	1227.9	1228.1	1228.3	1227.8	1226.5	1225.3	1224.1	1222.7
150°	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2	1260.7	1259.7	1258.7	1257.6	1256.6
152.5°	1292.8	1292.2	1292.0	1291.8	1291.6	1291.4	1291.0	1290.3	1289.7	1289.1	1288.5
155°	1337.4	1336.4	1336.6	1336.9	1337.2	1337.4	1337.5	1337.5	1337.5	1337.5	1337.5
157.5°	1377.3	1376.4	1376.5	1376.5	1376.6	1376.6	1377.0	1377.5	1377.9	1378.4	1378.8
160°	1401.7	1400.9	1401.1	1401.4	1401.7	1401.9	1402.2	1402.4	1402.7	1403.0	1403.2
162.5°	1422.9	1421.5	1421.8	1422.1	1422.3	1422.6	1423.0	1423.7	1424.4	1425.0	1425.7
165°	1451.7	1450.2	1450.7	1451.2	1451.7	1452.2	1452.9	1453.7	1454.4	1455.2	1456.0
167.5°	1476.1	1474.5	1474.5	1474.4	1474.4	1474.3	1474.9	1475.9	1477.0	1478.1	1479.3
170°	1489.2	1487.7	1487.4	1487.1	1486.9	1486.6	1487.1	1488.4	1489.8	1491.1	1492.4
172.5°	1498.8	1497.1	1497.0	1497.0	1496.9	1496.8	1497.4	1498.4	1499.5	1500.7	1501.8
175°	1509.4	1507.6	1507.9	1508.1	1508.4	1508.6	1509.4	1510.8	1512.1	1513.4	1514.7
177.5°	1515.7	1514.2	1514.2	1514.2	1514.2	1514.2	1514.7	1515.8	1516.8	1517.8	1518.9
180°	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0



TEST NUMBER: P332890-840

CATALOG NUMBER: S124RDIP-S350D1205U840-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2	593.2
2.5°	596.8	598.5	600.5	604.1	607.1	608.5	611.2	613.1	612.5	615.2	619.8
5°	599.2	605.6	613.1	620.7	629.2	636.4	642.2	647.9	652.5	657.9	666.1
7.5°	598.7	610.3	622.8	636.4	650.6	662.8	674.0	685.5	695.7	706.8	721.4
10°	597.2	612.6	628.1	646.0	664.0	681.0	696.2	710.5	724.2	738.7	757.2
12.5°	595.5	613.1	631.9	653.5	675.8	696.2	714.2	734.9	751.9	770.7	791.9
15°	587.9	611.6	637.2	665.1	692.0	719.4	744.0	769.3	793.0	815.5	842.2
17.5°	579.3	606.5	636.7	669.7	701.9	735.3	764.6	796.5	820.6	850.8	875.7
20°	572.2	601.6	633.8	670.9	707.4	744.5	776.8	809.3	836.5	866.9	898.4
22.5°	563.6	595.8	630.8	669.1	707.4	747.9	783.7	816.0	849.7	883.8	916.4
25°	549.7	583.2	620.3	662.3	706.3	747.6	785.9	826.0	862.3	899.4	928.6
27.5°	532.7	567.8	606.8	650.3	695.4	737.7	782.7	825.6	862.1	897.8	923.2
30°	519.1	556.1	593.7	637.6	684.5	729.9	778.2	821.0	859.5	891.5	905.8
32.5°	505.1	540.3	579.0	623.5	671.5	720.3	768.2	812.0	847.6	866.8	867.2
35°	480.9	513.8	554.0	597.7	647.0	700.0	748.5	791.5	813.3	815.0	791.5
37.5°	454.4	484.6	522.5	566.3	620.3	673.1	722.6	751.2	758.5	734.2	690.9
40°	435.5	463.4	500.0	544.9	598.4	653.0	698.1	719.1	711.6	672.1	623.8
42.5°	415.6	441.6	476.9	521.2	574.9	630.1	668.5	679.7	659.5	614.0	557.4
45°	383.1	407.0	441.9	486.7	538.3	589.9	619.0	613.3	579.6	525.5	462.2
47.5°	349.3	372.4	403.8	445.1	498.1	542.6	562.3	545.0	497.1	437.7	386.2
50°	327.0	350.6	379.5	419.0	467.3	510.3	522.9	496.7	443.3	386.3	338.9
52.5°	305.0	325.2	353.6	391.6	437.8	474.1	480.9	450.6	395.6	344.4	302.4
55°	271.6	289.9	313.8	349.6	389.6	420.4	416.8	377.9	327.9	284.2	251.2
57.5°	239.1	253.0	275.1	308.7	343.8	364.5	351.3	318.1	271.6	235.7	207.9
60°	217.7	230.7	251.2	280.5	311.4	323.2	312.1	276.1	239.2	206.5	183.1
62.5°	197.4	208.8	226.5	253.8	278.7	285.7	273.9	242.4	209.2	181.3	161.9
65°	168.0	178.5	193.6	213.0	230.1	233.5	225.9	193.6	168.5	145.1	131.7
67.5°	141.3	148.1	160.0	176.6	185.8	187.7	173.0	152.7	130.6	116.2	106.1
70°	123.3	128.2	139.1	148.1	155.6	155.8	142.2	125.9	109.0	97.3	89.9
72.5°	105.9	110.5	118.9	125.0	130.8	128.9	116.4	103.6	89.9	81.0	75.5
75°	81.7	85.8	90.1	93.0	93.0	90.6	81.5	71.9	64.0	58.8	57.2
77.5°	59.4	62.7	64.2	63.7	62.9	59.2	53.4	47.2	44.3	41.9	40.6
80°	46.7	48.1	48.5	47.4	45.8	41.6	37.8	35.1	32.5	31.5	31.1
82.5°	34.5	35.9	34.5	34.9	31.7	28.2	26.1	25.1	24.1	23.7	23.2
85°	18.4	18.2	17.7	16.5	14.3	13.8	13.6	13.4	12.9	13.1	12.6
87.5°	7.6	7.6	7.4	7.8	8.3	8.3	8.9	9.3	9.8	9.9	10.6
90°	6.4	9.3	12.1	14.9	17.5	19.6	21.6	23.7	25.9	27.4	29.0
92.5°	28.4	31.7	34.9	38.3	40.6	42.1	43.5	45.0	46.5	47.4	48.4
95°	72.7	75.1	77.5	79.8	81.9	83.7	85.5	87.4	89.2	90.0	90.7
97.5°	124.8	126.7	128.6	130.5	132.5	134.6	136.7	138.9	141.0	142.0	142.9
100°	165.3	166.3	167.3	168.4	170.2	172.5	174.8	177.1	179.6	180.1	180.6
102.5°	207.8	208.2	208.6	209.1	210.4	212.5	214.7	216.8	218.9	219.6	220.4
105°	273.7	273.9	274.2	274.4	275.1	276.1	277.1	278.2	279.2	280.0	280.8
107.5°	343.0	343.3	343.6	343.9	344.1	344.3	344.4	344.6	344.7	345.5	346.2
110°	390.0	390.5	391.1	391.6	391.7	391.5	391.2	390.9	390.7	390.2	389.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	438.5	438.6	438.7	438.8	438.6	438.1	437.7	437.2	436.7	436.6	436.5
115°	511.5	511.5	511.5	511.5	511.3	510.8	510.3	509.7	509.2	509.0	508.7
117.5°	580.8	581.0	581.2	581.4	581.3	580.9	580.6	580.2	579.9	579.0	578.0
120°	627.5	628.6	629.7	630.7	630.9	630.1	629.2	628.4	627.7	626.4	625.1
122.5°	674.8	675.2	675.6	676.1	676.1	675.7	675.4	675.0	674.6	673.8	672.9
125°	745.0	745.0	745.0	745.0	744.9	744.7	744.4	744.1	743.9	743.4	742.8
127.5°	809.9	810.6	811.4	812.2	812.4	811.9	811.5	811.1	810.7	810.2	809.7
130°	855.0	855.7	856.5	857.3	857.7	857.7	857.7	857.7	857.7	857.2	856.6
132.5°	900.7	901.3	901.8	902.4	902.6	902.4	902.2	902.0	901.8	901.2	900.7
135°	962.5	964.0	965.6	967.1	968.0	968.0	968.0	968.0	968.0	967.5	966.9
137.5°	1027.8	1028.5	1029.3	1030.0	1030.6	1031.0	1031.4	1031.8	1032.2	1031.6	1030.9
140°	1071.7	1072.3	1072.8	1073.3	1073.5	1073.5	1073.5	1073.5	1073.5	1073.3	1073.0
142.5°	1112.1	1112.6	1113.1	1113.7	1113.8	1113.6	1113.4	1113.2	1113.0	1112.9	1112.9
145°	1168.4	1169.5	1170.5	1171.5	1172.3	1172.5	1172.8	1173.0	1173.3	1173.0	1172.8
147.5°	1224.1	1225.3	1226.5	1227.8	1228.3	1228.1	1227.9	1227.7	1227.5	1227.3	1227.1
150°	1257.6	1258.7	1259.7	1260.7	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2	1261.2
152.5°	1289.1	1289.7	1290.3	1291.0	1291.4	1291.6	1291.8	1292.0	1292.2	1292.8	1293.4
155°	1337.5	1337.5	1337.5	1337.5	1337.4	1337.2	1336.9	1336.6	1336.4	1337.4	1338.5
157.5°	1378.4	1377.9	1377.5	1377.0	1376.6	1376.6	1376.5	1376.5	1376.4	1377.3	1378.1
160°	1403.0	1402.7	1402.4	1402.2	1401.9	1401.7	1401.4	1401.1	1400.9	1401.7	1402.4
162.5°	1425.0	1424.4	1423.7	1423.0	1422.6	1422.3	1422.1	1421.8	1421.5	1422.9	1424.3
165°	1455.2	1454.4	1453.7	1452.9	1452.2	1451.7	1451.2	1450.7	1450.2	1451.7	1453.3
167.5°	1478.1	1477.0	1475.9	1474.9	1474.3	1474.4	1474.4	1474.5	1474.5	1476.1	1477.6
170°	1491.1	1489.8	1488.4	1487.1	1486.6	1486.9	1487.1	1487.4	1487.7	1489.2	1490.9
172.5°	1500.7	1499.5	1498.4	1497.4	1496.8	1496.9	1497.0	1497.0	1497.1	1498.8	1500.7
175°	1513.4	1512.1	1510.8	1509.4	1508.6	1508.4	1508.1	1507.9	1507.6	1509.4	1511.3
177.5°	1517.8	1516.8	1515.8	1514.7	1514.2	1514.2	1514.2	1514.2	1514.2	1515.7	1517.1
180°	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	593.2	593.2	593.2	593.2	593.2	593.2	593.2
2.5°	622.3	623.0	623.6	625.5	625.7	627.4	625.7
5°	673.8	677.1	682.4	687.6	688.1	691.5	685.5
7.5°	731.4	739.2	744.1	752.6	755.9	758.0	754.6
10°	771.2	778.4	791.1	797.3	803.5	804.5	801.6
12.5°	809.7	821.0	831.0	842.8	842.5	850.9	847.9
15°	860.9	872.6	886.5	899.6	904.3	904.3	908.2
17.5°	897.4	918.9	933.2	943.5	954.8	956.7	955.4
20°	922.1	945.2	960.6	973.9	981.6	983.7	983.7
22.5°	940.4	960.2	975.1	987.1	993.4	995.9	995.2
25°	953.1	970.1	979.2	982.8	984.4	984.0	979.5
27.5°	935.7	934.9	929.3	918.3	910.0	904.9	899.2
30°	902.5	890.0	875.7	859.9	839.6	824.0	819.3
32.5°	852.9	825.1	800.7	774.5	752.7	737.1	730.5
35°	757.2	713.0	676.8	645.3	622.4	608.0	603.2
37.5°	643.5	600.7	556.0	525.4	506.3	491.9	486.6
40°	571.2	524.6	485.6	457.0	437.4	423.2	423.0
42.5°	505.2	460.7	424.0	403.4	382.3	372.9	372.9
45°	413.7	378.1	347.0	330.7	318.1	310.4	308.3
47.5°	342.5	313.1	292.4	279.4	269.1	264.3	261.1
50°	302.6	276.8	260.2	249.0	243.3	237.1	236.6
52.5°	269.3	248.4	235.6	226.5	219.2	215.5	215.6
55°	226.3	209.8	200.8	193.8	188.1	185.2	184.0
57.5°	190.7	178.3	171.7	165.3	162.9	160.7	160.1
60°	168.5	160.2	153.9	148.9	145.3	144.6	144.3
62.5°	150.2	141.4	137.1	133.2	130.6	129.5	129.1
65°	123.8	117.3	113.5	110.4	109.5	107.8	107.6
67.5°	99.8	95.9	93.4	91.3	90.0	89.9	89.9
70°	85.1	82.9	80.8	79.6	78.9	78.4	78.4
72.5°	72.5	70.9	69.1	68.5	68.4	67.9	67.7
75°	55.2	53.5	53.8	52.6	51.6	50.4	49.7
77.5°	39.2	38.0	37.7	37.6	36.8	36.7	37.0
80°	30.4	29.2	28.9	29.2	28.9	28.2	28.2
82.5°	23.1	22.1	21.8	21.7	21.5	21.7	21.3
85°	12.4	11.9	11.9	11.9	12.4	12.2	11.9
87.5°	10.5	10.6	11.0	10.9	11.0	10.9	11.2
90°	30.5	32.1	33.1	33.6	34.1	34.6	35.2
92.5°	49.3	50.2	50.8	51.2	51.5	51.8	52.1
95°	91.5	92.3	92.7	92.7	92.7	92.7	92.7
97.5°	143.8	144.8	145.2	145.2	145.2	145.2	145.2
100°	181.1	181.6	181.9	181.9	181.9	181.9	181.9
102.5°	221.2	221.9	222.3	222.6	222.8	223.0	223.2
105°	281.6	282.4	283.2	284.0	284.7	285.5	286.3
107.5°	346.9	347.6	348.0	347.9	347.9	347.8	347.8
110°	389.1	388.6	388.7	389.5	390.3	391.1	391.8



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	436.4	436.3	436.3	436.5	436.6	436.8	437.0
115°	508.4	508.2	507.9	507.7	507.4	507.2	506.9
117.5°	577.1	576.2	575.6	575.0	574.5	574.0	573.5
120°	623.8	622.5	622.1	622.6	623.1	623.7	624.2
122.5°	672.0	671.1	670.1	669.2	668.3	667.3	666.4
125°	742.3	741.7	741.2	740.7	740.2	739.6	739.1
127.5°	809.2	808.6	808.2	807.8	807.3	806.9	806.5
130°	856.1	855.6	854.7	853.7	852.7	851.6	850.6
132.5°	900.2	899.7	899.2	898.8	898.4	898.0	897.6
135°	966.3	965.8	965.2	964.4	963.6	962.8	962.1
137.5°	1030.2	1029.6	1029.3	1029.5	1029.6	1029.8	1029.9
140°	1072.8	1072.5	1072.3	1072.0	1071.7	1071.5	1071.2
142.5°	1112.8	1112.8	1112.7	1112.7	1112.6	1112.6	1112.5
145°	1172.5	1172.3	1171.6	1170.9	1170.1	1169.3	1168.6
147.5°	1226.9	1226.6	1226.4	1226.2	1225.9	1225.6	1225.4
150°	1261.2	1261.2	1261.1	1260.8	1260.6	1260.3	1260.1
152.5°	1294.1	1294.7	1294.7	1294.0	1293.3	1292.6	1292.0
155°	1339.5	1340.5	1340.5	1339.5	1338.5	1337.4	1336.4
157.5°	1378.8	1379.6	1379.6	1378.7	1377.8	1376.8	1376.0
160°	1403.2	1404.0	1403.7	1402.4	1401.1	1399.9	1398.6
162.5°	1425.7	1427.1	1427.2	1425.9	1424.6	1423.3	1422.0
165°	1454.8	1456.4	1456.6	1455.6	1454.6	1453.5	1452.5
167.5°	1479.3	1480.8	1480.8	1479.1	1477.5	1475.9	1474.3
170°	1492.4	1494.0	1493.8	1492.0	1490.2	1488.3	1486.5
172.5°	1502.4	1504.2	1504.2	1502.3	1500.5	1498.6	1496.8
175°	1513.1	1514.9	1514.9	1513.1	1511.3	1509.4	1507.6
177.5°	1518.6	1520.0	1519.9	1518.2	1516.6	1514.9	1513.3
180°	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0

(END OF REPORT)