

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: P333616-840

Luminaire Tested: **S125RDIP-S1270D590U840-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333616-840
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125RDIP-S1270D590U840-4F0-1E-UDD-A
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 590 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7356.7 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')
CIE Type: Semi-Direct

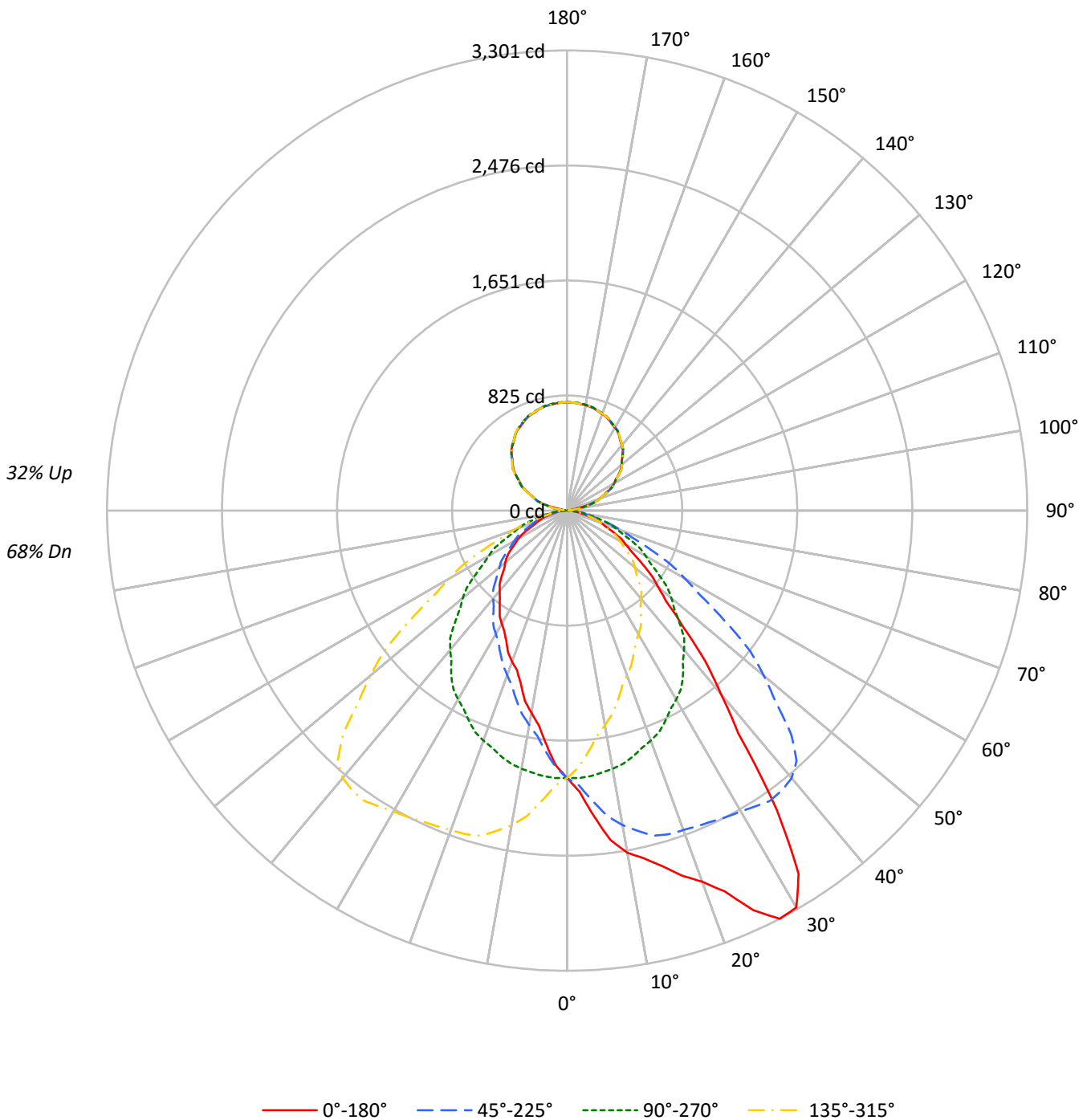
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10	0		
RCR																										
0	111	111	111	111	105	105	105	105	93	93	93	82	82	82	72	72	72	68								
1	102	98	94	91	96	93	89	86	83	80	78	73	72	70	65	63	62	58								
2	94	86	80	75	88	82	76	72	73	69	65	65	62	59	58	55	53	50								
3	86	76	69	63	81	72	66	61	65	60	56	58	54	51	52	48	46	43								
4	79	68	60	54	74	64	57	52	58	52	48	52	47	44	46	43	40	37								
5	72	61	53	47	68	58	50	45	52	46	42	47	42	38	42	38	35	32								
6	67	55	47	41	63	52	45	39	47	41	36	43	38	34	38	34	31	28								
7	62	50	42	36	58	47	40	35	43	37	32	39	34	30	35	31	28	25								
8	58	45	37	32	54	43	36	31	39	33	29	36	31	27	32	28	25	23								
9	54	41	34	29	51	40	33	28	36	30	26	33	28	24	30	26	22	20								
10	50	38	31	26	48	36	30	25	33	28	24	30	25	22	28	23	20	19								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	12385	12385	12385	12385
5°	14249	12401	10952	12401
10°	16344	12338	9664	12338
15°	17653	12211	8590	12211
20°	19467	12065	7932	12065
25°	22528	11870	7360	11870
30°	24515	11665	6986	11665
35°	20679	11427	6641	11427
40°	14441	10997	6345	10997
45°	10714	10418	6054	10418
50°	8542	9815	5805	9815
55°	7250	9067	5584	9067
60°	6263	8400	5227	8400
65°	5582	7674	4499	7674
70°	4904	7030	4101	7030
75°	4245	6089	3850	6089
80°	3217	5121	3217	5121
85°	2690	4024	3031	4024



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.9	2.5
10°-20°	538.9	7.3
20°-30°	854.5	11.6
30°-40°	1030.4	14.0
40°-50°	920.2	12.5
50°-60°	705.7	9.6
60°-70°	458.6	6.2
70°-80°	223.0	3.0
80°-90°	54.8	0.7
90°-100°	28.3	0.4
100°-110°	174.1	2.4
110°-120°	315.7	4.3
120°-130°	405.2	5.5
130°-140°	435.8	5.9
140°-150°	409.1	5.6
150°-160°	330.9	4.5
160°-170°	214.0	2.9
170°-180°	73.8	1.0
0°-30°	1577.3	21.4
0°-40°	2607.7	35.4
0°-60°	4233.5	57.5
0°-90°	4969.9	67.6
90°-120°	518.0	7.0
90°-150°	1768.1	24.0
90°-180°	2387.0	32.4
0°-180°	7356.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1918	1918	1918	1918	1918	
5°	2198	1913	1689	1913	2198	220
15°	2640	1826	1285	1826	2640	757
25°	3161	1666	1033	1666	3161	1452
35°	2623	1449	842	1449	2623	1584
45°	1173	1141	663	1141	1173	936
55°	644	805	496	805	644	584
65°	365	502	294	502	365	363
75°	170	244	154	244	170	181
85°	36	54	41	54	36	42
90°	14	1	14	1	14	8
95°	12	33	12	33	12	10
105°	171	169	171	169	171	155
115°	316	318	316	318	316	313
125°	452	452	452	452	452	402
135°	562	564	562	564	562	434
145°	652	654	652	654	652	407
155°	715	720	715	720	715	330
165°	756	760	756	760	756	213
175°	774	777	774	777	774	74
180°	777	777	777	777	777	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	2017.1	2015.9	2018.4	2011.4	2012.1	2001.4	2001.4	1993.2	1982.5	1974.3	1970.5
5°	2197.9	2199.5	2196.3	2184.4	2176.7	2164.8	2151.4	2127.8	2108.1	2089.2	2074.3
7.5°	2384.0	2385.1	2374.7	2371.1	2351.2	2336.7	2306.9	2274.8	2246.3	2210.2	2182.4
10°	2492.2	2491.5	2480.4	2471.8	2454.5	2432.5	2403.4	2365.5	2330.2	2290.8	2253.0
12.5°	2555.3	2553.2	2549.7	2539.2	2523.1	2503.7	2478.9	2441.8	2398.1	2355.0	2310.9
15°	2640.3	2634.7	2624.5	2611.1	2588.3	2565.5	2537.9	2504.9	2463.2	2414.4	2373.4
17.5°	2745.4	2745.6	2729.9	2711.3	2680.3	2640.0	2597.5	2544.1	2487.4	2433.7	2390.1
20°	2832.4	2829.9	2814.3	2778.0	2742.6	2692.2	2643.4	2578.1	2508.8	2438.7	2384.4
22.5°	2957.1	2950.9	2934.6	2887.0	2832.1	2767.1	2692.5	2612.7	2529.0	2449.4	2378.1
25°	3161.4	3156.6	3124.4	3069.3	2992.1	2892.2	2794.6	2685.1	2564.8	2460.0	2373.4
27.5°	3301.2	3296.0	3272.1	3226.3	3155.1	3049.9	2917.8	2771.6	2621.2	2477.2	2352.3
30°	3287.3	3299.1	3296.0	3274.8	3221.3	3126.7	3004.8	2840.2	2661.5	2492.2	2343.5
32.5°	3089.6	3100.2	3127.9	3169.6	3172.7	3134.9	3043.8	2891.8	2706.8	2514.4	2336.5
35°	2622.9	2637.2	2690.7	2774.9	2885.1	2977.2	2996.1	2914.3	2748.1	2541.1	2326.2
37.5°	2016.5	2094.0	2139.0	2227.7	2394.2	2563.6	2726.5	2786.5	2715.8	2530.1	2309.4
40°	1712.9	1731.8	1812.1	1912.1	2052.2	2228.6	2460.8	2628.5	2633.9	2504.9	2282.9
42.5°	1466.1	1490.1	1545.1	1625.0	1744.9	1921.3	2161.0	2382.3	2484.8	2435.6	2248.3
45°	1173.0	1191.0	1231.2	1292.6	1384.7	1530.3	1736.6	1992.4	2195.5	2275.0	2155.4
47.5°	963.5	973.3	1008.2	1055.0	1123.2	1229.3	1389.0	1611.0	1854.6	2025.5	2008.6
50°	850.2	861.2	888.0	923.4	980.9	1070.6	1198.1	1383.1	1634.3	1842.8	1884.6
52.5°	762.0	771.1	787.8	821.3	868.8	937.8	1040.7	1208.0	1434.0	1655.8	1752.3
55°	643.9	650.3	663.6	682.5	720.3	769.9	858.8	974.5	1157.2	1380.8	1522.5
57.5°	546.6	549.8	558.3	575.7	601.9	638.1	702.4	800.4	931.4	1132.8	1289.1
60°	484.9	488.1	499.1	510.9	531.4	564.4	614.8	683.3	809.2	975.3	1133.6
62.5°	435.8	437.7	442.4	454.2	472.2	497.7	537.3	593.2	693.4	839.3	988.8
65°	365.3	366.1	367.6	377.1	388.1	407.0	432.9	472.3	547.9	658.1	790.3
67.5°	297.6	298.6	304.2	307.5	319.0	328.9	344.2	374.3	427.5	501.8	604.6
70°	259.7	259.0	264.5	268.4	272.4	284.2	294.4	318.8	351.8	408.6	494.3
72.5°	224.5	222.5	224.8	226.2	231.5	239.4	249.7	264.7	290.1	329.2	394.9
75°	170.1	170.9	170.9	172.4	176.3	179.5	182.6	190.5	204.7	230.7	266.1
77.5°	119.4	118.1	121.4	121.9	124.2	127.6	130.4	133.5	139.4	150.1	168.3
80°	86.5	86.5	87.4	89.8	89.0	90.5	94.4	97.7	104.7	111.0	117.2
82.5°	66.4	65.8	66.6	67.1	67.0	68.5	69.9	70.5	73.2	76.3	80.8
85°	36.3	36.3	37.0	37.0	37.8	37.8	38.6	38.6	38.6	39.4	40.2
87.5°	16.7	16.0	15.2	15.1	15.7	16.9	16.1	15.3	15.1	15.0	15.6
90°	13.8	13.4	13.0	12.7	12.3	11.8	11.1	10.5	9.9	9.2	8.3
92.5°	12.9	12.7	12.5	12.3	12.2	11.8	11.1	10.5	9.9	9.2	8.4
95°	12.1	12.1	12.1	12.1	12.1	11.8	11.1	10.5	9.9	9.2	14.0
97.5°	12.1	12.1	12.1	12.1	12.1	13.9	17.5	21.1	24.7	28.4	38.0
100°	12.1	12.6	13.1	13.6	14.1	23.9	43.0	62.1	81.2	100.3	99.8
102.5°	72.5	81.2	89.9	98.6	107.3	113.5	117.0	120.7	124.3	127.9	127.6
105°	171.1	171.3	171.4	171.5	171.7	171.7	171.7	171.7	171.7	171.7	171.7
107.5°	215.7	216.1	216.5	216.9	217.2	217.4	217.4	217.4	217.3	217.3	217.1
110°	246.6	246.5	246.3	246.2	246.1	246.2	246.6	247.0	247.4	247.7	247.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	274.3	274.5	274.6	274.8	275.0	275.3	275.8	276.3	276.8	277.2	277.1
115°	315.8	316.5	317.3	318.0	318.8	319.4	319.9	320.4	321.0	321.5	321.3
117.5°	360.0	360.3	360.6	361.0	361.3	361.8	362.4	363.1	363.9	364.5	364.0
120°	387.2	387.8	388.5	389.1	389.7	390.2	390.4	390.7	390.9	391.2	390.8
122.5°	413.0	413.7	414.4	415.3	416.0	416.5	416.8	417.0	417.3	417.5	417.3
125°	452.3	452.7	453.0	453.4	453.8	454.2	454.7	455.3	455.9	456.4	456.4
127.5°	485.3	486.4	487.3	488.2	489.2	489.8	490.1	490.3	490.6	490.9	491.0
130°	509.4	510.0	510.6	511.3	511.9	512.4	512.8	513.2	513.5	513.9	513.8
132.5°	531.5	532.1	532.7	533.4	534.0	534.4	534.4	534.5	534.6	534.7	534.9
135°	561.8	562.5	563.3	564.1	564.8	565.3	565.6	565.8	566.1	566.3	566.6
137.5°	592.2	592.9	593.5	594.2	594.8	595.1	595.1	595.0	595.0	594.9	595.2
140°	610.2	611.0	611.7	612.5	613.2	613.5	613.2	613.0	612.7	612.5	612.6
142.5°	627.2	627.9	628.7	629.5	630.3	630.7	630.6	630.6	630.5	630.5	630.3
145°	652.2	653.0	653.8	654.5	655.3	655.6	655.5	655.4	655.2	655.1	655.1
147.5°	672.9	673.8	674.7	675.6	676.5	676.9	676.8	676.6	676.5	676.3	676.1
150°	686.2	687.2	688.2	689.3	690.3	690.6	690.4	690.1	689.9	689.6	689.4
152.5°	698.6	699.5	700.5	701.5	702.4	702.7	702.5	702.2	702.0	701.7	701.4
155°	715.0	716.1	717.1	718.1	719.1	719.4	719.0	718.7	718.3	717.9	717.6
157.5°	728.7	729.7	730.7	731.8	732.9	733.2	732.8	732.4	732.0	731.5	731.4
160°	737.5	738.5	739.5	740.5	741.5	741.8	741.3	740.8	740.3	739.8	739.6
162.5°	745.3	746.5	747.6	748.7	749.8	750.0	749.3	748.6	747.9	747.2	747.0
165°	755.9	757.0	758.0	759.0	760.0	760.1	759.4	758.6	757.8	757.1	757.0
167.5°	763.3	764.5	765.6	766.8	767.9	768.0	767.1	766.2	765.3	764.4	764.2
170°	767.5	768.6	769.7	770.9	772.0	772.1	771.1	770.1	769.0	768.0	767.9
172.5°	770.2	771.3	772.5	773.7	774.9	775.0	774.1	773.1	772.1	771.2	771.0
175°	773.8	775.0	776.1	777.3	778.4	778.5	777.4	776.4	775.4	774.4	774.3
177.5°	775.9	776.7	777.5	778.3	779.1	779.2	778.5	777.8	777.1	776.3	776.2
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1970.5	1966.1	1957.9	1950.4	1941.0	1932.8	1927.0	1920.2	1911.4	1900.7	1891.8
5°	2057.7	2040.4	2017.6	1997.9	1972.8	1953.1	1932.6	1912.9	1893.2	1868.0	1846.0
7.5°	2154.4	2118.7	2083.9	2040.1	2000.4	1965.0	1931.0	1896.5	1862.8	1827.0	1792.6
10°	2213.6	2170.3	2122.3	2067.2	2016.8	1968.8	1924.7	1881.4	1835.7	1795.6	1752.3
12.5°	2269.1	2213.1	2158.2	2088.6	2028.1	1969.4	1913.4	1859.4	1810.6	1758.5	1712.0
15°	2319.1	2264.0	2202.6	2117.6	2033.4	1962.5	1896.3	1826.3	1765.6	1707.5	1655.5
17.5°	2338.4	2280.7	2209.4	2127.7	2035.6	1946.4	1861.3	1784.4	1713.1	1645.3	1586.8
20°	2330.9	2275.0	2201.8	2123.8	2025.5	1932.6	1840.5	1755.4	1676.0	1604.3	1542.2
22.5°	2312.7	2254.8	2184.1	2101.8	2008.4	1910.0	1811.5	1720.8	1637.5	1563.4	1495.5
25°	2285.2	2206.6	2134.1	2053.8	1964.9	1867.2	1765.6	1665.7	1576.8	1501.2	1427.2
27.5°	2256.7	2158.5	2066.4	1986.6	1892.6	1805.5	1707.6	1605.1	1511.6	1434.6	1358.7
30°	2230.9	2120.7	2019.1	1928.6	1839.7	1757.1	1664.2	1564.2	1468.1	1388.7	1311.5
32.5°	2198.8	2081.6	1970.0	1865.6	1779.9	1697.9	1613.8	1518.2	1424.7	1342.6	1264.3
35°	2158.5	2008.9	1887.7	1776.8	1681.4	1601.9	1526.4	1449.3	1355.5	1270.5	1194.2
37.5°	2105.6	1935.9	1795.6	1674.7	1574.3	1494.4	1434.7	1364.2	1278.7	1197.3	1126.5
40°	2073.5	1883.0	1729.5	1609.8	1504.3	1420.1	1364.2	1304.4	1226.5	1150.1	1079.2
42.5°	2030.6	1834.5	1662.7	1538.0	1431.9	1350.8	1294.3	1242.0	1176.7	1104.8	1028.9
45°	1946.7	1740.5	1560.2	1426.4	1319.4	1239.8	1187.1	1140.6	1091.1	1024.9	958.8
47.5°	1837.4	1642.4	1453.8	1307.7	1202.9	1129.0	1077.8	1041.2	1005.7	949.5	885.2
50°	1750.0	1561.9	1377.6	1235.9	1124.1	1054.1	1006.0	976.9	944.6	893.4	839.9
52.5°	1646.7	1478.6	1298.3	1153.4	1047.9	982.3	936.1	907.1	880.4	838.7	787.7
55°	1483.9	1336.7	1171.3	1039.9	943.1	877.0	832.8	805.3	789.6	754.2	714.0
57.5°	1296.1	1190.5	1044.8	918.1	832.4	767.1	734.8	711.3	693.6	668.5	640.2
60°	1165.1	1091.1	960.4	839.9	761.2	699.0	669.9	650.3	633.7	612.5	590.4
62.5°	1032.2	978.4	864.6	761.2	688.8	636.7	609.5	591.7	572.6	558.3	536.8
65°	854.1	806.1	727.4	646.3	579.4	537.7	518.0	502.2	490.4	474.6	459.7
67.5°	664.4	644.9	590.6	534.6	486.7	449.5	432.5	421.5	407.3	397.9	387.6
70°	547.9	538.5	499.9	462.9	418.0	392.8	377.1	372.3	355.1	345.6	338.5
72.5°	444.6	440.2	418.0	392.3	360.7	338.6	324.2	318.8	307.8	300.2	295.7
75°	304.7	306.2	302.3	285.8	274.0	259.7	247.2	244.0	236.2	229.8	225.9
77.5°	192.7	200.8	201.1	200.3	195.5	186.9	181.7	179.4	171.6	169.3	168.3
80°	132.3	140.9	148.8	147.9	146.4	144.1	140.2	137.7	133.8	131.5	129.9
82.5°	88.2	96.2	102.8	107.0	106.7	104.4	101.7	100.6	99.8	98.1	97.8
85°	41.7	43.3	45.6	51.2	55.1	55.8	55.1	54.3	51.9	52.7	53.5
87.5°	16.0	15.8	16.3	16.1	15.2	18.2	19.8	20.3	19.2	18.2	17.1
90°	7.5	6.6	5.7	4.6	3.6	2.6	1.6	0.6	1.6	2.6	3.6
92.5°	7.7	6.9	6.1	6.0	6.8	7.5	8.2	8.9	8.2	7.5	6.8
95°	19.0	23.8	28.7	31.3	31.7	32.1	32.4	32.8	32.4	32.1	31.7
97.5°	47.6	57.3	66.9	71.3	70.6	70.0	69.3	68.6	69.3	70.0	70.6
100°	99.3	98.8	98.2	97.8	97.4	96.9	96.6	96.2	96.6	96.9	97.4
102.5°	127.3	126.9	126.6	126.2	125.8	125.3	124.8	124.3	124.8	125.3	125.8
105°	171.7	171.7	171.7	171.5	171.0	170.5	169.9	169.4	169.9	170.5	171.0
107.5°	216.8	216.5	216.3	216.2	216.2	216.2	216.2	216.2	216.2	216.2	216.2
110°	247.2	247.0	246.7	246.6	246.6	246.6	246.6	246.6	246.6	246.6	246.6



TEST NUMBER: P333616-840

CATALOG NUMBER: S125RDIP-S1270D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	276.9	276.8	276.6	276.4	276.1	275.8	275.5	275.2	275.5	275.8	276.1
115°	321.2	321.1	321.0	320.6	319.9	319.3	318.7	318.0	318.7	319.3	319.9
117.5°	363.6	363.0	362.5	362.3	362.3	362.3	362.3	362.4	362.3	362.3	362.3
120°	390.4	390.1	389.7	389.5	389.7	389.8	389.9	390.1	389.9	389.8	389.7
122.5°	417.2	417.0	416.8	416.5	416.0	415.5	415.0	414.4	415.0	415.5	416.0
125°	456.4	456.4	456.4	455.9	454.9	454.0	453.2	452.3	453.2	454.0	454.9
127.5°	491.1	491.1	491.2	490.9	490.3	489.7	489.0	488.4	489.0	489.7	490.3
130°	513.7	513.5	513.4	513.0	512.4	511.8	511.1	510.5	511.1	511.8	512.4
132.5°	535.2	535.5	535.8	535.5	534.8	534.1	533.3	532.6	533.3	534.1	534.8
135°	566.8	567.1	567.4	567.1	566.3	565.6	564.8	564.1	564.8	565.6	566.3
137.5°	595.4	595.6	595.9	595.6	595.0	594.3	593.7	593.0	593.7	594.3	595.0
140°	612.7	612.9	613.0	612.9	612.7	612.4	612.2	611.9	612.2	612.4	612.7
142.5°	630.1	630.0	629.8	629.5	629.4	629.2	629.1	628.9	629.1	629.2	629.4
145°	655.1	655.1	655.1	655.0	654.7	654.5	654.2	654.0	654.2	654.5	654.7
147.5°	676.0	675.8	675.7	675.6	675.7	675.7	675.8	675.8	675.8	675.7	675.7
150°	689.1	688.9	688.6	688.6	688.9	689.1	689.4	689.6	689.4	689.1	688.9
152.5°	701.1	700.8	700.6	700.7	701.4	702.0	702.5	703.1	702.5	702.0	701.4
155°	717.4	717.1	716.9	717.1	717.9	718.7	719.4	720.2	719.4	718.7	717.9
157.5°	731.4	731.4	731.4	731.6	732.1	732.6	733.0	733.5	733.0	732.6	732.1
160°	739.5	739.4	739.3	739.6	740.3	741.1	741.9	742.7	741.9	741.1	740.3
162.5°	746.9	746.8	746.7	747.0	747.7	748.5	749.3	750.0	749.3	748.5	747.7
165°	756.8	756.7	756.6	756.9	757.7	758.4	759.2	759.9	759.2	758.4	757.7
167.5°	764.1	764.0	763.9	764.2	765.0	765.8	766.6	767.3	766.6	765.8	765.0
170°	767.8	767.6	767.5	767.9	768.8	769.7	770.6	771.5	770.6	769.7	768.8
172.5°	770.8	770.5	770.3	770.6	771.5	772.4	773.4	774.3	773.4	772.4	771.5
175°	774.2	774.0	773.9	774.2	775.0	775.7	776.5	777.3	776.5	775.7	775.0
177.5°	776.1	776.0	775.9	776.2	776.8	777.4	778.0	778.6	778.0	777.4	776.8
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333616-840

CATALOG NUMBER: S125RDIP-S1270D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1885.5	1876.7	1870.4	1857.7	1849.0	1845.2	1838.3	1836.3	1843.3	1838.3	1837.7
5°	1829.5	1806.6	1788.6	1770.4	1750.7	1738.2	1719.3	1716.1	1711.4	1704.2	1702.7
7.5°	1762.2	1732.5	1709.2	1679.3	1653.3	1632.3	1608.7	1597.5	1591.4	1582.3	1570.0
10°	1716.9	1681.4	1650.0	1620.0	1587.8	1561.9	1538.2	1520.0	1508.2	1497.2	1492.6
12.5°	1672.1	1636.1	1595.8	1559.6	1523.6	1494.4	1468.2	1456.5	1443.4	1430.5	1419.5
15°	1602.8	1554.7	1510.7	1468.9	1438.2	1406.7	1381.5	1364.2	1344.5	1339.1	1317.8
17.5°	1529.0	1482.0	1430.4	1386.4	1350.8	1316.2	1288.5	1268.8	1254.1	1233.8	1224.0
20°	1483.1	1427.2	1376.8	1336.7	1297.3	1256.4	1228.0	1211.5	1197.3	1180.8	1173.0
22.5°	1434.0	1379.4	1327.7	1280.6	1240.6	1200.3	1180.1	1163.1	1146.9	1131.7	1121.3
25°	1361.9	1306.8	1252.4	1203.7	1162.0	1132.8	1109.1	1089.4	1080.9	1065.9	1054.8
27.5°	1290.5	1231.9	1175.6	1126.9	1094.2	1065.4	1046.0	1030.5	1014.8	1001.8	992.2
30°	1244.6	1184.8	1123.4	1084.8	1050.2	1022.6	1001.3	986.3	974.5	962.7	955.6
32.5°	1198.6	1136.9	1082.4	1040.7	1007.9	984.1	962.3	948.0	935.5	922.4	914.1
35°	1124.9	1062.0	1017.8	976.9	944.6	922.6	907.7	887.2	877.0	867.5	858.8
37.5°	1056.4	997.8	950.2	914.2	886.3	864.3	845.0	833.9	821.3	812.8	805.7
40°	1006.0	952.5	909.2	871.4	851.0	826.6	808.5	794.3	784.9	773.9	766.0
42.5°	960.7	911.0	868.9	835.0	809.4	788.8	771.3	757.1	745.2	737.3	730.6
45°	896.7	847.1	806.1	774.6	751.0	731.3	713.2	706.1	690.3	681.0	677.8
47.5°	830.3	786.0	746.4	717.4	693.2	674.6	657.6	643.2	634.5	625.2	620.2
50°	785.7	743.2	706.1	677.8	654.2	633.7	617.9	608.5	596.7	588.0	581.8
52.5°	740.9	701.6	664.6	637.4	617.0	596.5	579.0	569.5	558.3	552.8	548.4
55°	677.0	635.3	603.8	577.0	555.7	536.8	520.4	510.9	503.8	498.3	496.8
57.5°	604.6	571.5	542.2	518.2	496.0	478.3	463.8	454.8	448.6	447.8	443.0
60°	557.3	527.5	500.7	474.6	455.8	439.3	426.7	416.5	410.1	409.3	407.8
62.5°	510.1	481.4	456.6	433.7	416.8	400.8	388.9	377.4	373.7	369.7	366.2
65°	440.0	414.0	393.6	375.5	357.4	344.0	332.2	325.1	316.5	311.7	303.1
67.5°	371.2	351.1	331.4	316.2	301.9	289.2	279.4	268.9	263.1	259.3	253.0
70°	325.9	310.1	290.4	274.0	263.0	252.7	244.8	233.0	229.0	225.9	222.8
72.5°	283.1	269.2	252.7	239.3	228.3	218.6	209.5	204.0	200.2	196.9	195.1
75°	222.8	209.4	195.2	185.8	177.9	170.1	165.3	161.4	159.8	159.1	155.8
77.5°	163.6	156.5	145.1	137.6	132.4	129.3	125.0	123.0	122.8	119.4	118.3
80°	125.1	121.2	111.8	108.7	104.7	101.6	99.2	95.2	91.3	89.8	87.4
82.5°	93.0	89.1	85.3	80.3	77.0	75.1	72.7	71.3	71.8	69.6	68.5
85°	49.6	45.6	44.1	43.3	41.7	43.3	42.5	41.7	40.9	40.2	40.9
87.5°	16.7	16.9	16.5	17.9	16.2	17.0	17.1	16.6	16.7	16.9	16.4
90°	4.6	5.7	6.6	7.5	8.3	9.2	9.9	10.5	11.1	11.8	12.3
92.5°	6.0	6.1	6.9	7.7	8.4	9.2	9.9	10.5	11.1	11.8	12.2
95°	31.3	28.7	23.8	19.0	14.0	9.2	9.9	10.5	11.1	11.8	12.1
97.5°	71.3	66.9	57.3	47.6	38.0	28.4	24.7	21.1	17.5	13.9	12.1
100°	97.8	98.2	98.8	99.3	99.8	100.3	81.2	62.1	43.0	23.9	14.1
102.5°	126.2	126.6	126.9	127.3	127.6	127.9	124.3	120.7	117.0	113.5	107.3
105°	171.5	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7	171.7
107.5°	216.2	216.3	216.5	216.8	217.1	217.3	217.3	217.4	217.4	217.4	217.2
110°	246.6	246.7	247.0	247.2	247.5	247.7	247.4	247.0	246.6	246.2	246.1



TEST NUMBER: P333616-840

CATALOG NUMBER: S125RDIP-S1270D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	276.4	276.6	276.8	276.9	277.1	277.2	276.8	276.3	275.8	275.3	275.0
115°	320.6	321.0	321.1	321.2	321.3	321.5	321.0	320.4	319.9	319.4	318.8
117.5°	362.3	362.5	363.0	363.6	364.0	364.5	363.9	363.1	362.4	361.8	361.3
120°	389.5	389.7	390.1	390.4	390.8	391.2	390.9	390.7	390.4	390.2	389.7
122.5°	416.5	416.8	417.0	417.2	417.3	417.5	417.3	417.0	416.8	416.5	416.0
125°	455.9	456.4	456.4	456.4	456.4	456.4	455.9	455.3	454.7	454.2	453.8
127.5°	490.9	491.2	491.1	491.1	491.0	490.9	490.6	490.3	490.1	489.8	489.2
130°	513.0	513.4	513.5	513.7	513.8	513.9	513.5	513.2	512.8	512.4	511.9
132.5°	535.5	535.8	535.5	535.2	534.9	534.7	534.6	534.5	534.4	534.4	534.0
135°	567.1	567.4	567.1	566.8	566.6	566.3	566.1	565.8	565.6	565.3	564.8
137.5°	595.6	595.9	595.6	595.4	595.2	594.9	595.0	595.0	595.1	595.1	594.8
140°	612.9	613.0	612.9	612.7	612.6	612.5	612.7	613.0	613.2	613.5	613.2
142.5°	629.5	629.8	630.0	630.1	630.3	630.5	630.5	630.6	630.6	630.7	630.3
145°	655.0	655.1	655.1	655.1	655.1	655.1	655.2	655.4	655.5	655.6	655.3
147.5°	675.6	675.7	675.8	676.0	676.1	676.3	676.5	676.6	676.8	676.9	676.5
150°	688.6	688.6	688.9	689.1	689.4	689.6	689.9	690.1	690.4	690.6	690.3
152.5°	700.7	700.6	700.8	701.1	701.4	701.7	702.0	702.2	702.5	702.7	702.4
155°	717.1	716.9	717.1	717.4	717.6	717.9	718.3	718.7	719.0	719.4	719.1
157.5°	731.6	731.4	731.4	731.4	731.4	731.5	732.0	732.4	732.8	733.2	732.9
160°	739.6	739.3	739.4	739.5	739.6	739.8	740.3	740.8	741.3	741.8	741.5
162.5°	747.0	746.7	746.8	746.9	747.0	747.2	747.9	748.6	749.3	750.0	749.8
165°	756.9	756.6	756.7	756.8	757.0	757.1	757.8	758.6	759.4	760.1	760.0
167.5°	764.2	763.9	764.0	764.1	764.2	764.4	765.3	766.2	767.1	768.0	767.9
170°	767.9	767.5	767.6	767.8	767.9	768.0	769.0	770.1	771.1	772.1	772.0
172.5°	770.6	770.3	770.5	770.8	771.0	771.2	772.1	773.1	774.1	775.0	774.9
175°	774.2	773.9	774.0	774.2	774.3	774.4	775.4	776.4	777.4	778.5	778.4
177.5°	776.2	775.9	776.0	776.1	776.2	776.3	777.1	777.8	778.5	779.2	779.1
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333616-840

CATALOG NUMBER: S125RDIP-S1270D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1837.0	1830.1	1828.2	1830.7	1828.2	1830.1	1837.0	1837.7	1838.3	1843.3	1836.3
5°	1694.9	1687.0	1690.9	1689.3	1690.9	1687.0	1694.9	1702.7	1704.2	1711.4	1716.1
7.5°	1569.8	1560.0	1549.6	1553.0	1549.6	1560.0	1569.8	1570.0	1582.3	1591.4	1597.5
10°	1482.3	1474.4	1469.7	1473.6	1469.7	1474.4	1482.3	1492.6	1497.2	1508.2	1520.0
12.5°	1408.7	1403.9	1399.8	1398.1	1399.8	1403.9	1408.7	1419.5	1430.5	1443.4	1456.5
15°	1308.3	1298.9	1294.9	1284.8	1294.9	1298.9	1308.3	1317.8	1339.1	1344.5	1364.2
17.5°	1215.9	1212.7	1202.5	1198.1	1202.5	1212.7	1215.9	1224.0	1233.8	1254.1	1268.8
20°	1161.1	1158.0	1147.7	1154.1	1147.7	1158.0	1161.1	1173.0	1180.8	1197.3	1211.5
22.5°	1115.8	1108.8	1105.5	1103.7	1105.5	1108.8	1115.8	1121.3	1131.7	1146.9	1163.1
25°	1051.7	1041.5	1037.5	1032.8	1037.5	1041.5	1051.7	1054.8	1065.9	1080.9	1089.4
27.5°	987.7	982.3	977.0	975.8	977.0	982.3	987.7	992.2	1001.8	1014.8	1030.5
30°	946.2	940.7	936.8	936.8	936.8	940.7	946.2	955.6	962.7	974.5	986.3
32.5°	909.1	904.8	900.9	900.3	900.9	904.8	909.1	914.1	922.4	935.5	948.0
35°	855.0	848.6	847.1	842.3	847.1	848.6	855.0	858.8	867.5	877.0	887.2
37.5°	798.7	793.5	793.3	792.8	793.3	793.5	798.7	805.7	812.8	821.3	833.9
40°	762.8	758.8	758.1	752.6	758.1	758.8	762.8	766.0	773.9	784.9	794.3
42.5°	724.4	722.4	719.6	717.3	719.6	722.4	724.4	730.6	737.3	745.2	757.1
45°	672.3	666.7	666.7	662.8	666.7	666.7	672.3	677.8	681.0	690.3	706.1
47.5°	618.4	614.2	614.6	610.6	614.6	614.2	618.4	620.2	625.2	634.5	643.2
50°	582.5	580.2	579.4	577.8	579.4	580.2	582.5	581.8	588.0	596.7	608.5
52.5°	546.6	545.5	548.6	545.0	548.6	545.5	546.6	548.4	552.8	558.3	569.5
55°	498.3	495.9	500.7	495.9	500.7	495.9	498.3	496.8	498.3	503.8	510.9
57.5°	442.7	440.5	444.7	442.4	444.7	440.5	442.7	443.0	447.8	448.6	454.8
60°	406.2	401.5	403.8	404.7	403.8	401.5	406.2	407.8	409.3	410.1	416.5
62.5°	362.7	359.9	361.6	358.0	361.6	359.9	362.7	366.2	369.7	373.7	377.4
65°	301.5	299.1	296.0	294.4	296.0	299.1	301.5	303.1	311.7	316.5	325.1
67.5°	253.3	247.6	247.5	248.7	247.5	247.6	253.3	253.0	259.3	263.1	268.9
70°	218.0	218.0	217.2	217.2	217.2	218.0	218.0	222.8	225.9	229.0	233.0
72.5°	193.5	192.9	191.5	190.9	191.5	192.9	193.5	195.1	196.9	200.2	204.0
75°	155.8	156.6	155.1	154.3	155.1	156.6	155.8	155.8	159.1	159.8	161.4
77.5°	115.1	111.8	113.5	111.8	113.5	111.8	115.1	118.3	119.4	122.8	123.0
80°	87.4	86.5	89.0	86.5	89.0	86.5	87.4	87.4	89.8	91.3	95.2
82.5°	69.1	68.4	69.5	67.7	69.5	68.4	69.1	68.5	69.6	71.8	71.3
85°	41.7	40.9	40.2	40.9	40.2	40.9	41.7	40.9	40.2	40.9	41.7
87.5°	17.1	16.5	16.6	16.7	16.6	16.5	17.1	16.4	16.9	16.7	16.6
90°	12.7	13.0	13.4	13.8	13.4	13.0	12.7	12.3	11.8	11.1	10.5
92.5°	12.3	12.5	12.7	12.9	12.7	12.5	12.3	12.2	11.8	11.1	10.5
95°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	11.8	11.1	10.5
97.5°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	13.9	17.5	21.1
100°	13.6	13.1	12.6	12.1	12.6	13.1	13.6	14.1	23.9	43.0	62.1
102.5°	98.6	89.9	81.2	72.5	81.2	89.9	98.6	107.3	113.5	117.0	120.7
105°	171.5	171.4	171.3	171.1	171.3	171.4	171.5	171.7	171.7	171.7	171.7
107.5°	216.9	216.5	216.1	215.7	216.1	216.5	216.9	217.2	217.4	217.4	217.4
110°	246.2	246.3	246.5	246.6	246.5	246.3	246.2	246.1	246.2	246.6	247.0



TEST NUMBER: P333616-840

CATALOG NUMBER: S125RDIP-S1270D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	274.8	274.6	274.5	274.3	274.5	274.6	274.8	275.0	275.3	275.8	276.3
115°	318.0	317.3	316.5	315.8	316.5	317.3	318.0	318.8	319.4	319.9	320.4
117.5°	361.0	360.6	360.3	360.0	360.3	360.6	361.0	361.3	361.8	362.4	363.1
120°	389.1	388.5	387.8	387.2	387.8	388.5	389.1	389.7	390.2	390.4	390.7
122.5°	415.3	414.4	413.7	413.0	413.7	414.4	415.3	416.0	416.5	416.8	417.0
125°	453.4	453.0	452.7	452.3	452.7	453.0	453.4	453.8	454.2	454.7	455.3
127.5°	488.2	487.3	486.4	485.3	486.4	487.3	488.2	489.2	489.8	490.1	490.3
130°	511.3	510.6	510.0	509.4	510.0	510.6	511.3	511.9	512.4	512.8	513.2
132.5°	533.4	532.7	532.1	531.5	532.1	532.7	533.4	534.0	534.4	534.4	534.5
135°	564.1	563.3	562.5	561.8	562.5	563.3	564.1	564.8	565.3	565.6	565.8
137.5°	594.2	593.5	592.9	592.2	592.9	593.5	594.2	594.8	595.1	595.1	595.0
140°	612.5	611.7	611.0	610.2	611.0	611.7	612.5	613.2	613.5	613.2	613.0
142.5°	629.5	628.7	627.9	627.2	627.9	628.7	629.5	630.3	630.7	630.6	630.6
145°	654.5	653.8	653.0	652.2	653.0	653.8	654.5	655.3	655.6	655.5	655.4
147.5°	675.6	674.7	673.8	672.9	673.8	674.7	675.6	676.5	676.9	676.8	676.6
150°	689.3	688.2	687.2	686.2	687.2	688.2	689.3	690.3	690.6	690.4	690.1
152.5°	701.5	700.5	699.5	698.6	699.5	700.5	701.5	702.4	702.7	702.5	702.2
155°	718.1	717.1	716.1	715.0	716.1	717.1	718.1	719.1	719.4	719.0	718.7
157.5°	731.8	730.7	729.7	728.7	729.7	730.7	731.8	732.9	733.2	732.8	732.4
160°	740.5	739.5	738.5	737.5	738.5	739.5	740.5	741.5	741.8	741.3	740.8
162.5°	748.7	747.6	746.5	745.3	746.5	747.6	748.7	749.8	750.0	749.3	748.6
165°	759.0	758.0	757.0	755.9	757.0	758.0	759.0	760.0	760.1	759.4	758.6
167.5°	766.8	765.6	764.5	763.3	764.5	765.6	766.8	767.9	768.0	767.1	766.2
170°	770.9	769.7	768.6	767.5	768.6	769.7	770.9	772.0	772.1	771.1	770.1
172.5°	773.7	772.5	771.3	770.2	771.3	772.5	773.7	774.9	775.0	774.1	773.1
175°	777.3	776.1	775.0	773.8	775.0	776.1	777.3	778.4	778.5	777.4	776.4
177.5°	778.3	777.5	776.7	775.9	776.7	777.5	778.3	779.1	779.2	778.5	777.8
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333616-840

CATALOG NUMBER: S125RDIP-S1270D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1838.3	1845.2	1849.0	1857.7	1870.4	1876.7	1885.5	1891.8	1900.7	1911.4	1920.2
5°	1719.3	1738.2	1750.7	1770.4	1788.6	1806.6	1829.5	1846.0	1868.0	1893.2	1912.9
7.5°	1608.7	1632.3	1653.3	1679.3	1709.2	1732.5	1762.2	1792.6	1827.0	1862.8	1896.5
10°	1538.2	1561.9	1587.8	1620.0	1650.0	1681.4	1716.9	1752.3	1795.6	1835.7	1881.4
12.5°	1468.2	1494.4	1523.6	1559.6	1595.8	1636.1	1672.1	1712.0	1758.5	1810.6	1859.4
15°	1381.5	1406.7	1438.2	1468.9	1510.7	1554.7	1602.8	1655.5	1707.5	1765.6	1826.3
17.5°	1288.5	1316.2	1350.8	1386.4	1430.4	1482.0	1529.0	1586.8	1645.3	1713.1	1784.4
20°	1228.0	1256.4	1297.3	1336.7	1376.8	1427.2	1483.1	1542.2	1604.3	1676.0	1755.4
22.5°	1180.1	1200.3	1240.6	1280.6	1327.7	1379.4	1434.0	1495.5	1563.4	1637.5	1720.8
25°	1109.1	1132.8	1162.0	1203.7	1252.4	1306.8	1361.9	1427.2	1501.2	1576.8	1665.7
27.5°	1046.0	1065.4	1094.2	1126.9	1175.6	1231.9	1290.5	1358.7	1434.6	1511.6	1605.1
30°	1001.3	1022.6	1050.2	1084.8	1123.4	1184.8	1244.6	1311.5	1388.7	1468.1	1564.2
32.5°	962.3	984.1	1007.9	1040.7	1082.4	1136.9	1198.6	1264.3	1342.6	1424.7	1518.2
35°	907.7	922.6	944.6	976.9	1017.8	1062.0	1124.9	1194.2	1270.5	1355.5	1449.3
37.5°	845.0	864.3	886.3	914.2	950.2	997.8	1056.4	1126.5	1197.3	1278.7	1364.2
40°	808.5	826.6	851.0	871.4	909.2	952.5	1006.0	1079.2	1150.1	1226.5	1304.4
42.5°	771.3	788.8	809.4	835.0	868.9	911.0	960.7	1028.9	1104.8	1176.7	1242.0
45°	713.2	731.3	751.0	774.6	806.1	847.1	896.7	958.8	1024.9	1091.1	1140.6
47.5°	657.6	674.6	693.2	717.4	746.4	786.0	830.3	885.2	949.5	1005.7	1041.2
50°	617.9	633.7	654.2	677.8	706.1	743.2	785.7	839.9	893.4	944.6	976.9
52.5°	579.0	596.5	617.0	637.4	664.6	701.6	740.9	787.7	838.7	880.4	907.1
55°	520.4	536.8	555.7	577.0	603.8	635.3	677.0	714.0	754.2	789.6	805.3
57.5°	463.8	478.3	496.0	518.2	542.2	571.5	604.6	640.2	668.5	693.6	711.3
60°	426.7	439.3	455.8	474.6	500.7	527.5	557.3	590.4	612.5	633.7	650.3
62.5°	388.9	400.8	416.8	433.7	456.6	481.4	510.1	536.8	558.3	572.6	591.7
65°	332.2	344.0	357.4	375.5	393.6	414.0	440.0	459.7	474.6	490.4	502.2
67.5°	279.4	289.2	301.9	316.2	331.4	351.1	371.2	387.6	397.9	407.3	421.5
70°	244.8	252.7	263.0	274.0	290.4	310.1	325.9	338.5	345.6	355.1	372.3
72.5°	209.5	218.6	228.3	239.3	252.7	269.2	283.1	295.7	300.2	307.8	318.8
75°	165.3	170.1	177.9	185.8	195.2	209.4	222.8	225.9	229.8	236.2	244.0
77.5°	125.0	129.3	132.4	137.6	145.1	156.5	163.6	168.3	169.3	171.6	179.4
80°	99.2	101.6	104.7	108.7	111.8	121.2	125.1	129.9	131.5	133.8	137.7
82.5°	72.7	75.1	77.0	80.3	85.3	89.1	93.0	97.8	98.1	99.8	100.6
85°	42.5	43.3	41.7	43.3	44.1	45.6	49.6	53.5	52.7	51.9	54.3
87.5°	17.1	17.0	16.2	17.9	16.5	16.9	16.7	17.1	18.2	19.2	20.3
90°	9.9	9.2	8.3	7.5	6.6	5.7	4.6	3.6	2.6	1.6	0.6
92.5°	9.9	9.2	8.4	7.7	6.9	6.1	6.0	6.8	7.5	8.2	8.9
95°	9.9	9.2	14.0	19.0	23.8	28.7	31.3	31.7	32.1	32.4	32.8
97.5°	24.7	28.4	38.0	47.6	57.3	66.9	71.3	70.6	70.0	69.3	68.6
100°	81.2	100.3	99.8	99.3	98.8	98.2	97.8	97.4	96.9	96.6	96.2
102.5°	124.3	127.9	127.6	127.3	126.9	126.6	126.2	125.8	125.3	124.8	124.3
105°	171.7	171.7	171.7	171.7	171.7	171.7	171.5	171.0	170.5	169.9	169.4
107.5°	217.3	217.3	217.1	216.8	216.5	216.3	216.2	216.2	216.2	216.2	216.2
110°	247.4	247.7	247.5	247.2	247.0	246.7	246.6	246.6	246.6	246.6	246.6



TEST NUMBER: P333616-840

CATALOG NUMBER: S125RDIP-S1270D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	276.8	277.2	277.1	276.9	276.8	276.6	276.4	276.1	275.8	275.5	275.2
115°	321.0	321.5	321.3	321.2	321.1	321.0	320.6	319.9	319.3	318.7	318.0
117.5°	363.9	364.5	364.0	363.6	363.0	362.5	362.3	362.3	362.3	362.3	362.4
120°	390.9	391.2	390.8	390.4	390.1	389.7	389.5	389.7	389.8	389.9	390.1
122.5°	417.3	417.5	417.3	417.2	417.0	416.8	416.5	416.0	415.5	415.0	414.4
125°	455.9	456.4	456.4	456.4	456.4	456.4	455.9	454.9	454.0	453.2	452.3
127.5°	490.6	490.9	491.0	491.1	491.1	491.2	490.9	490.3	489.7	489.0	488.4
130°	513.5	513.9	513.8	513.7	513.5	513.4	513.0	512.4	511.8	511.1	510.5
132.5°	534.6	534.7	534.9	535.2	535.5	535.8	535.5	534.8	534.1	533.3	532.6
135°	566.1	566.3	566.6	566.8	567.1	567.4	567.1	566.3	565.6	564.8	564.1
137.5°	595.0	594.9	595.2	595.4	595.6	595.9	595.6	595.0	594.3	593.7	593.0
140°	612.7	612.5	612.6	612.7	612.9	613.0	612.9	612.7	612.4	612.2	611.9
142.5°	630.5	630.5	630.3	630.1	630.0	629.8	629.5	629.4	629.2	629.1	628.9
145°	655.2	655.1	655.1	655.1	655.1	655.1	655.0	654.7	654.5	654.2	654.0
147.5°	676.5	676.3	676.1	676.0	675.8	675.7	675.6	675.7	675.7	675.8	675.8
150°	689.9	689.6	689.4	689.1	688.9	688.6	688.6	688.9	689.1	689.4	689.6
152.5°	702.0	701.7	701.4	701.1	700.8	700.6	700.7	701.4	702.0	702.5	703.1
155°	718.3	717.9	717.6	717.4	717.1	716.9	717.1	717.9	718.7	719.4	720.2
157.5°	732.0	731.5	731.4	731.4	731.4	731.4	731.6	732.1	732.6	733.0	733.5
160°	740.3	739.8	739.6	739.5	739.4	739.3	739.6	740.3	741.1	741.9	742.7
162.5°	747.9	747.2	747.0	746.9	746.8	746.7	747.0	747.7	748.5	749.3	750.0
165°	757.8	757.1	757.0	756.8	756.7	756.6	756.9	757.7	758.4	759.2	759.9
167.5°	765.3	764.4	764.2	764.1	764.0	763.9	764.2	765.0	765.8	766.6	767.3
170°	769.0	768.0	767.9	767.8	767.6	767.5	767.9	768.8	769.7	770.6	771.5
172.5°	772.1	771.2	771.0	770.8	770.5	770.3	770.6	771.5	772.4	773.4	774.3
175°	775.4	774.4	774.3	774.2	774.0	773.9	774.2	775.0	775.7	776.5	777.3
177.5°	777.1	776.3	776.2	776.1	776.0	775.9	776.2	776.8	777.4	778.0	778.6
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



TEST NUMBER: P333616-840

CATALOG NUMBER: S125RDIP-S1270D590U840-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	1927.0	1932.8	1941.0	1950.4	1957.9	1966.1	1970.5	1970.5	1974.3	1982.5	1993.2
5°	1932.6	1953.1	1972.8	1997.9	2017.6	2040.4	2057.7	2074.3	2089.2	2108.1	2127.8
7.5°	1931.0	1965.0	2000.4	2040.1	2083.9	2118.7	2154.4	2182.4	2210.2	2246.3	2274.8
10°	1924.7	1968.8	2016.8	2067.2	2122.3	2170.3	2213.6	2253.0	2290.8	2330.2	2365.5
12.5°	1913.4	1969.4	2028.1	2088.6	2158.2	2213.1	2269.1	2310.9	2355.0	2398.1	2441.8
15°	1896.3	1962.5	2033.4	2117.6	2202.6	2264.0	2319.1	2373.4	2414.4	2463.2	2504.9
17.5°	1861.3	1946.4	2035.6	2127.7	2209.4	2280.7	2338.4	2390.1	2433.7	2487.4	2544.1
20°	1840.5	1932.6	2025.5	2123.8	2201.8	2275.0	2330.9	2384.4	2438.7	2508.8	2578.1
22.5°	1811.5	1910.0	2008.4	2101.8	2184.1	2254.8	2312.7	2378.1	2449.4	2529.0	2612.7
25°	1765.6	1867.2	1964.9	2053.8	2134.1	2206.6	2285.2	2373.4	2460.0	2564.8	2685.1
27.5°	1707.6	1805.5	1892.6	1986.6	2066.4	2158.5	2256.7	2352.3	2477.2	2621.2	2771.6
30°	1664.2	1757.1	1839.7	1928.6	2019.1	2120.7	2230.9	2343.5	2492.2	2661.5	2840.2
32.5°	1613.8	1697.9	1779.9	1865.6	1970.0	2081.6	2198.8	2336.5	2514.4	2706.8	2891.8
35°	1526.4	1601.9	1681.4	1776.8	1887.7	2008.9	2158.5	2326.2	2541.1	2748.1	2914.3
37.5°	1434.7	1494.4	1574.3	1674.7	1795.6	1935.9	2105.6	2309.4	2530.1	2715.8	2786.5
40°	1364.2	1420.1	1504.3	1609.8	1729.5	1883.0	2073.5	2282.9	2504.9	2633.9	2628.5
42.5°	1294.3	1350.8	1431.9	1538.0	1662.7	1834.5	2030.6	2248.3	2435.6	2484.8	2382.3
45°	1187.1	1239.8	1319.4	1426.4	1560.2	1740.5	1946.7	2155.4	2275.0	2195.5	1992.4
47.5°	1077.8	1129.0	1202.9	1307.7	1453.8	1642.4	1837.4	2008.6	2025.5	1854.6	1611.0
50°	1006.0	1054.1	1124.1	1235.9	1377.6	1561.9	1750.0	1884.6	1842.8	1634.3	1383.1
52.5°	936.1	982.3	1047.9	1153.4	1298.3	1478.6	1646.7	1752.3	1655.8	1434.0	1208.0
55°	832.8	877.0	943.1	1039.9	1171.3	1336.7	1483.9	1522.5	1380.8	1157.2	974.5
57.5°	734.8	767.1	832.4	918.1	1044.8	1190.5	1296.1	1289.1	1132.8	931.4	800.4
60°	669.9	699.0	761.2	839.9	960.4	1091.1	1165.1	1133.6	975.3	809.2	683.3
62.5°	609.5	636.7	688.8	761.2	864.6	978.4	1032.2	988.8	839.3	693.4	593.2
65°	518.0	537.7	579.4	646.3	727.4	806.1	854.1	790.3	658.1	547.9	472.3
67.5°	432.5	449.5	486.7	534.6	590.6	644.9	664.4	604.6	501.8	427.5	374.3
70°	377.1	392.8	418.0	462.9	499.9	538.5	547.9	494.3	408.6	351.8	318.8
72.5°	324.2	338.6	360.7	392.3	418.0	440.2	444.6	394.9	329.2	290.1	264.7
75°	247.2	259.7	274.0	285.8	302.3	306.2	304.7	266.1	230.7	204.7	190.5
77.5°	181.7	186.9	195.5	200.3	201.1	200.8	192.7	168.3	150.1	139.4	133.5
80°	140.2	144.1	146.4	147.9	148.8	140.9	132.3	117.2	111.0	104.7	97.7
82.5°	101.7	104.4	106.7	107.0	102.8	96.2	88.2	80.8	76.3	73.2	70.5
85°	55.1	55.8	55.1	51.2	45.6	43.3	41.7	40.2	39.4	38.6	38.6
87.5°	19.8	18.2	15.2	16.1	16.3	15.8	16.0	15.6	15.0	15.1	15.3
90°	1.6	2.6	3.6	4.6	5.7	6.6	7.5	8.3	9.2	9.9	10.5
92.5°	8.2	7.5	6.8	6.0	6.1	6.9	7.7	8.4	9.2	9.9	10.5
95°	32.4	32.1	31.7	31.3	28.7	23.8	19.0	14.0	9.2	9.9	10.5
97.5°	69.3	70.0	70.6	71.3	66.9	57.3	47.6	38.0	28.4	24.7	21.1
100°	96.6	96.9	97.4	97.8	98.2	98.8	99.3	99.8	100.3	81.2	62.1
102.5°	124.8	125.3	125.8	126.2	126.6	126.9	127.3	127.6	127.9	124.3	120.7
105°	169.9	170.5	171.0	171.5	171.7	171.7	171.7	171.7	171.7	171.7	171.7
107.5°	216.2	216.2	216.2	216.2	216.3	216.5	216.8	217.1	217.3	217.3	217.4
110°	246.6	246.6	246.6	246.6	246.7	247.0	247.2	247.5	247.7	247.4	247.0



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	275.5	275.8	276.1	276.4	276.6	276.8	276.9	277.1	277.2	276.8	276.3
115°	318.7	319.3	319.9	320.6	321.0	321.1	321.2	321.3	321.5	321.0	320.4
117.5°	362.3	362.3	362.3	362.3	362.5	363.0	363.6	364.0	364.5	363.9	363.1
120°	389.9	389.8	389.7	389.5	389.7	390.1	390.4	390.8	391.2	390.9	390.7
122.5°	415.0	415.5	416.0	416.5	416.8	417.0	417.2	417.3	417.5	417.3	417.0
125°	453.2	454.0	454.9	455.9	456.4	456.4	456.4	456.4	456.4	455.9	455.3
127.5°	489.0	489.7	490.3	490.9	491.2	491.1	491.1	491.0	490.9	490.6	490.3
130°	511.1	511.8	512.4	513.0	513.4	513.5	513.7	513.8	513.9	513.5	513.2
132.5°	533.3	534.1	534.8	535.5	535.8	535.5	535.2	534.9	534.7	534.6	534.5
135°	564.8	565.6	566.3	567.1	567.4	567.1	566.8	566.6	566.3	566.1	565.8
137.5°	593.7	594.3	595.0	595.6	595.9	595.6	595.4	595.2	594.9	595.0	595.0
140°	612.2	612.4	612.7	612.9	613.0	612.9	612.7	612.6	612.5	612.7	613.0
142.5°	629.1	629.2	629.4	629.5	629.8	630.0	630.1	630.3	630.5	630.5	630.6
145°	654.2	654.5	654.7	655.0	655.1	655.1	655.1	655.1	655.1	655.2	655.4
147.5°	675.8	675.7	675.7	675.6	675.7	675.8	676.0	676.1	676.3	676.5	676.6
150°	689.4	689.1	688.9	688.6	688.6	688.9	689.1	689.4	689.6	689.9	690.1
152.5°	702.5	702.0	701.4	700.7	700.6	700.8	701.1	701.4	701.7	702.0	702.2
155°	719.4	718.7	717.9	717.1	716.9	717.1	717.4	717.6	717.9	718.3	718.7
157.5°	733.0	732.6	732.1	731.6	731.4	731.4	731.4	731.4	731.5	732.0	732.4
160°	741.9	741.1	740.3	739.6	739.3	739.4	739.5	739.6	739.8	740.3	740.8
162.5°	749.3	748.5	747.7	747.0	746.7	746.8	746.9	747.0	747.2	747.9	748.6
165°	759.2	758.4	757.7	756.9	756.6	756.7	756.8	757.0	757.1	757.8	758.6
167.5°	766.6	765.8	765.0	764.2	763.9	764.0	764.1	764.2	764.4	765.3	766.2
170°	770.6	769.7	768.8	767.9	767.5	767.6	767.8	767.9	768.0	769.0	770.1
172.5°	773.4	772.4	771.5	770.6	770.3	770.5	770.8	771.0	771.2	772.1	773.1
175°	776.5	775.7	775.0	774.2	773.9	774.0	774.2	774.3	774.4	775.4	776.4
177.5°	778.0	777.4	776.8	776.2	775.9	776.0	776.1	776.2	776.3	777.1	777.8
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3	777.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6	1917.6
2.5°	2001.4	2001.4	2012.1	2011.4	2018.4	2015.9	2017.1
5°	2151.4	2164.8	2176.7	2184.4	2196.3	2199.5	2197.9
7.5°	2306.9	2336.7	2351.2	2371.1	2374.7	2385.1	2384.0
10°	2403.4	2432.5	2454.5	2471.8	2480.4	2491.5	2492.2
12.5°	2478.9	2503.7	2523.1	2539.2	2549.7	2553.2	2555.3
15°	2537.9	2565.5	2588.3	2611.1	2624.5	2634.7	2640.3
17.5°	2597.5	2640.0	2680.3	2711.3	2729.9	2745.6	2745.4
20°	2643.4	2692.2	2742.6	2778.0	2814.3	2829.9	2832.4
22.5°	2692.5	2767.1	2832.1	2887.0	2934.6	2950.9	2957.1
25°	2794.6	2892.2	2992.1	3069.3	3124.4	3156.6	3161.4
27.5°	2917.8	3049.9	3155.1	3226.3	3272.1	3296.0	3301.2
30°	3004.8	3126.7	3221.3	3274.8	3296.0	3299.1	3287.3
32.5°	3043.8	3134.9	3172.7	3169.6	3127.9	3100.2	3089.6
35°	2996.1	2977.2	2885.1	2774.9	2690.7	2637.2	2622.9
37.5°	2726.5	2563.6	2394.2	2227.7	2139.0	2094.0	2016.5
40°	2460.8	2228.6	2052.2	1912.1	1812.1	1731.8	1712.9
42.5°	2161.0	1921.3	1744.9	1625.0	1545.1	1490.1	1466.1
45°	1736.6	1530.3	1384.7	1292.6	1231.2	1191.0	1173.0
47.5°	1389.0	1229.3	1123.2	1055.0	1008.2	973.3	963.5
50°	1198.1	1070.6	980.9	923.4	888.0	861.2	850.2
52.5°	1040.7	937.8	868.8	821.3	787.8	771.1	762.0
55°	858.8	769.9	720.3	682.5	663.6	650.3	643.9
57.5°	702.4	638.1	601.9	575.7	558.3	549.8	546.6
60°	614.8	564.4	531.4	510.9	499.1	488.1	484.9
62.5°	537.3	497.7	472.2	454.2	442.4	437.7	435.8
65°	432.9	407.0	388.1	377.1	367.6	366.1	365.3
67.5°	344.2	328.9	319.0	307.5	304.2	298.6	297.6
70°	294.4	284.2	272.4	268.4	264.5	259.0	259.7
72.5°	249.7	239.4	231.5	226.2	224.8	222.5	224.5
75°	182.6	179.5	176.3	172.4	170.9	170.9	170.1
77.5°	130.4	127.6	124.2	121.9	121.4	118.1	119.4
80°	94.4	90.5	89.0	89.8	87.4	86.5	86.5
82.5°	69.9	68.5	67.0	67.1	66.6	65.8	66.4
85°	38.6	37.8	37.8	37.0	37.0	36.3	36.3
87.5°	16.1	16.9	15.7	15.1	15.2	16.0	16.7
90°	11.1	11.8	12.3	12.7	13.0	13.4	13.8
92.5°	11.1	11.8	12.2	12.3	12.5	12.7	12.9
95°	11.1	11.8	12.1	12.1	12.1	12.1	12.1
97.5°	17.5	13.9	12.1	12.1	12.1	12.1	12.1
100°	43.0	23.9	14.1	13.6	13.1	12.6	12.1
102.5°	117.0	113.5	107.3	98.6	89.9	81.2	72.5
105°	171.7	171.7	171.7	171.5	171.4	171.3	171.1
107.5°	217.4	217.4	217.2	216.9	216.5	216.1	215.7
110°	246.6	246.2	246.1	246.2	246.3	246.5	246.6



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	275.8	275.3	275.0	274.8	274.6	274.5	274.3
115°	319.9	319.4	318.8	318.0	317.3	316.5	315.8
117.5°	362.4	361.8	361.3	361.0	360.6	360.3	360.0
120°	390.4	390.2	389.7	389.1	388.5	387.8	387.2
122.5°	416.8	416.5	416.0	415.3	414.4	413.7	413.0
125°	454.7	454.2	453.8	453.4	453.0	452.7	452.3
127.5°	490.1	489.8	489.2	488.2	487.3	486.4	485.3
130°	512.8	512.4	511.9	511.3	510.6	510.0	509.4
132.5°	534.4	534.4	534.0	533.4	532.7	532.1	531.5
135°	565.6	565.3	564.8	564.1	563.3	562.5	561.8
137.5°	595.1	595.1	594.8	594.2	593.5	592.9	592.2
140°	613.2	613.5	613.2	612.5	611.7	611.0	610.2
142.5°	630.6	630.7	630.3	629.5	628.7	627.9	627.2
145°	655.5	655.6	655.3	654.5	653.8	653.0	652.2
147.5°	676.8	676.9	676.5	675.6	674.7	673.8	672.9
150°	690.4	690.6	690.3	689.3	688.2	687.2	686.2
152.5°	702.5	702.7	702.4	701.5	700.5	699.5	698.6
155°	719.0	719.4	719.1	718.1	717.1	716.1	715.0
157.5°	732.8	733.2	732.9	731.8	730.7	729.7	728.7
160°	741.3	741.8	741.5	740.5	739.5	738.5	737.5
162.5°	749.3	750.0	749.8	748.7	747.6	746.5	745.3
165°	759.4	760.1	760.0	759.0	758.0	757.0	755.9
167.5°	767.1	768.0	767.9	766.8	765.6	764.5	763.3
170°	771.1	772.1	772.0	770.9	769.7	768.6	767.5
172.5°	774.1	775.0	774.9	773.7	772.5	771.3	770.2
175°	777.4	778.5	778.4	777.3	776.1	775.0	773.8
177.5°	778.5	779.2	779.1	778.3	777.5	776.7	775.9
180°	777.3	777.3	777.3	777.3	777.3	777.3	777.3

(END OF REPORT)