

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: P333616-935

Luminaire Tested: **S125RDIP-S1270D590U935-4F0-1E-UDD-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333616-935
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-S1270D590U935-4F0-1E-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: 6272.3 lumens
Efficiency: N/A
Efficacy: 113.8 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

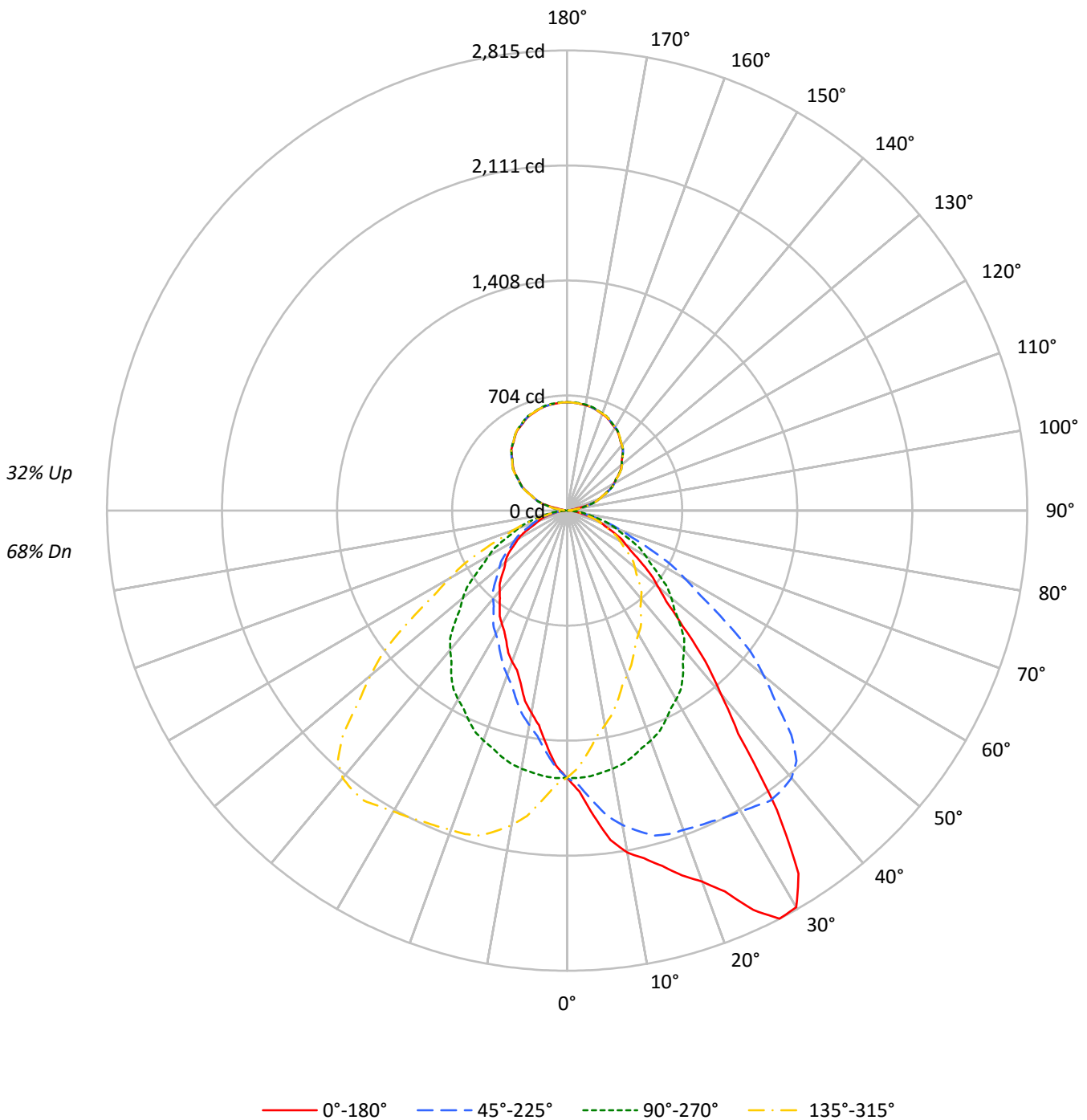
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	10559	10559	10559	10559
5°	12149	10573	9337	10573
10°	13935	10519	8239	10519
15°	15051	10411	7324	10411
20°	16597	10287	6763	10287
25°	19207	10120	6274	10120
30°	20901	9945	5956	9945
35°	17631	9742	5662	9742
40°	12312	9377	5409	9377
45°	9134	8882	5161	8882
50°	7283	8368	4950	8368
55°	6182	7731	4761	7731
60°	5341	7161	4456	7161
65°	4759	6544	3836	6544
70°	4181	5995	3497	5995
75°	3618	5190	3284	5190
80°	2745	4366	2745	4366
85°	2290	3431	2586	3431



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.8	2.5
10°-20°	459.5	7.3
20°-30°	728.5	11.6
30°-40°	878.5	14.0
40°-50°	784.5	12.5
50°-60°	601.6	9.6
60°-70°	391.0	6.2
70°-80°	190.1	3.0
80°-90°	46.8	0.7
90°-100°	24.1	0.4
100°-110°	148.4	2.4
110°-120°	269.2	4.3
120°-130°	345.5	5.5
130°-140°	371.6	5.9
140°-150°	348.8	5.6
150°-160°	282.1	4.5
160°-170°	182.5	2.9
170°-180°	62.9	1.0
0°-30°	1344.7	21.4
0°-40°	2223.3	35.4
0°-60°	3609.4	57.5
0°-90°	4237.3	67.6
90°-120°	441.7	7.0
90°-150°	1507.5	24.0
90°-180°	2035.0	32.4
0°-180°	6272.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1635	1635	1635	1635	1635	
5°	1874	1631	1440	1631	1874	187
15°	2251	1557	1095	1557	2251	645
25°	2695	1420	880	1420	2695	1238
35°	2236	1236	718	1236	2236	1351
45°	1000	972	565	972	1000	798
55°	549	687	423	687	549	498
65°	311	428	251	428	311	310
75°	145	208	132	208	145	154
85°	31	46	35	46	31	36
90°	12	0	12	0	12	7
95°	10	28	10	28	10	9
105°	146	144	146	144	146	132
115°	269	271	269	271	269	267
125°	386	386	386	386	386	343
135°	479	481	479	481	479	370
145°	556	558	556	558	556	347
155°	610	614	610	614	610	281
165°	644	648	644	648	644	182
175°	660	663	660	663	660	63
180°	663	663	663	663	663	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1719.8	1718.7	1720.9	1714.9	1715.5	1706.3	1706.3	1699.4	1690.2	1683.3	1680.1
5°	1873.9	1875.3	1872.5	1862.4	1855.8	1845.7	1834.3	1814.1	1797.3	1781.2	1768.5
7.5°	2032.6	2033.5	2024.6	2021.5	2004.6	1992.3	1966.9	1939.5	1915.2	1884.4	1860.7
10°	2124.9	2124.3	2114.8	2107.5	2092.7	2073.9	2049.1	2016.8	1986.7	1953.1	1920.9
12.5°	2178.6	2176.9	2173.9	2164.9	2151.2	2134.6	2113.5	2081.8	2044.6	2007.9	1970.2
15°	2251.1	2246.3	2237.7	2226.2	2206.7	2187.3	2163.8	2135.6	2100.1	2058.5	2023.5
17.5°	2340.7	2340.9	2327.5	2311.6	2285.2	2250.8	2214.6	2169.0	2120.7	2074.9	2037.8
20°	2414.8	2412.8	2399.4	2368.5	2338.3	2295.3	2253.8	2198.0	2139.0	2079.2	2032.9
22.5°	2521.2	2515.9	2502.0	2461.4	2414.6	2359.2	2295.6	2227.6	2156.2	2088.4	2027.6
25°	2695.4	2691.3	2663.8	2616.8	2551.1	2465.8	2382.6	2289.3	2186.7	2097.4	2023.5
27.5°	2814.6	2810.1	2789.7	2750.7	2690.0	2600.3	2487.7	2363.0	2234.8	2112.0	2005.5
30°	2802.7	2812.8	2810.1	2792.1	2746.4	2665.8	2561.8	2421.6	2269.2	2124.9	1998.0
32.5°	2634.1	2643.2	2666.8	2702.3	2705.0	2672.8	2595.1	2465.6	2307.8	2143.7	1992.1
35°	2236.3	2248.4	2294.0	2365.9	2459.8	2538.3	2554.4	2484.7	2343.0	2166.5	1983.3
37.5°	1719.2	1785.3	1823.7	1899.3	2041.3	2185.7	2324.6	2375.8	2315.5	2157.1	1968.9
40°	1460.4	1476.5	1545.0	1630.2	1749.7	1900.1	2098.1	2241.0	2245.7	2135.6	1946.4
42.5°	1250.0	1270.4	1317.3	1385.4	1487.7	1638.1	1842.5	2031.1	2118.5	2076.6	1916.8
45°	1000.1	1015.5	1049.7	1102.1	1180.6	1304.8	1480.6	1698.7	1871.9	1939.7	1837.6
47.5°	821.5	829.8	859.6	899.5	957.6	1048.1	1184.2	1373.6	1581.2	1726.9	1712.5
50°	724.9	734.3	757.1	787.3	836.3	912.7	1021.5	1179.2	1393.4	1571.2	1606.8
52.5°	649.7	657.5	671.7	700.3	740.7	799.5	887.3	1029.9	1222.6	1411.7	1494.0
55°	549.0	554.4	565.8	581.9	614.2	656.4	732.2	830.9	986.6	1177.2	1298.0
57.5°	466.1	468.7	476.0	490.9	513.2	544.1	598.8	682.4	794.1	965.8	1099.1
60°	413.5	416.1	425.5	435.6	453.1	481.2	524.2	582.6	689.9	831.6	966.5
62.5°	371.5	373.2	377.2	387.3	402.6	424.3	458.1	505.8	591.2	715.6	843.0
65°	311.4	312.1	313.4	321.5	330.9	347.0	369.1	402.7	467.1	561.1	673.8
67.5°	253.7	254.6	259.3	262.2	272.0	280.4	293.4	319.1	364.5	427.8	515.5
70°	221.4	220.8	225.5	228.9	232.2	242.3	251.0	271.8	300.0	348.4	421.5
72.5°	191.4	189.7	191.7	192.9	197.3	204.1	212.9	225.7	247.4	280.7	336.7
75°	145.0	145.7	145.7	147.0	150.3	153.0	155.7	162.4	174.5	196.7	226.9
77.5°	101.8	100.7	103.5	103.9	105.9	108.8	111.2	113.8	118.8	127.9	143.5
80°	73.8	73.8	74.5	76.5	75.9	77.1	80.5	83.3	89.3	94.6	100.0
82.5°	56.7	56.1	56.7	57.2	57.1	58.4	59.6	60.1	62.4	65.1	68.9
85°	30.9	30.9	31.5	31.5	32.2	32.2	32.9	32.9	32.9	33.6	34.3
87.5°	14.2	13.6	13.0	12.9	13.3	14.4	13.7	13.1	12.9	12.8	13.3
90°	11.8	11.5	11.1	10.8	10.5	10.1	9.5	9.0	8.4	7.8	7.1
92.5°	11.0	10.8	10.7	10.5	10.4	10.1	9.5	9.0	8.4	7.8	7.1
95°	10.3	10.3	10.3	10.3	10.3	10.1	9.5	9.0	8.4	7.8	12.0
97.5°	10.3	10.3	10.3	10.3	10.3	11.9	14.9	18.0	21.1	24.2	32.4
100°	10.3	10.8	11.2	11.6	12.1	20.4	36.7	53.0	69.2	85.5	85.1
102.5°	61.8	69.2	76.6	84.0	91.5	96.8	99.8	102.9	106.0	109.1	108.8
105°	145.9	146.0	146.1	146.2	146.4	146.4	146.4	146.4	146.4	146.4	146.4
107.5°	183.9	184.3	184.6	184.9	185.2	185.4	185.4	185.4	185.3	185.3	185.1
110°	210.3	210.2	210.0	209.9	209.8	209.9	210.3	210.6	210.9	211.2	211.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	233.8	234.0	234.1	234.3	234.5	234.7	235.1	235.6	236.0	236.3	236.3
115°	269.2	269.8	270.5	271.1	271.8	272.3	272.8	273.2	273.7	274.1	274.0
117.5°	306.9	307.2	307.5	307.8	308.1	308.5	309.0	309.6	310.2	310.7	310.3
120°	330.1	330.6	331.2	331.7	332.3	332.7	332.9	333.1	333.3	333.6	333.2
122.5°	352.1	352.8	353.4	354.0	354.6	355.1	355.3	355.5	355.8	355.9	355.8
125°	385.6	386.0	386.2	386.6	386.9	387.3	387.7	388.2	388.7	389.1	389.1
127.5°	413.8	414.7	415.4	416.2	417.1	417.6	417.8	418.0	418.3	418.5	418.6
130°	434.3	434.8	435.3	435.9	436.4	436.9	437.2	437.6	437.8	438.2	438.1
132.5°	453.1	453.7	454.2	454.8	455.3	455.6	455.6	455.7	455.8	455.9	456.1
135°	479.0	479.6	480.3	481.0	481.6	482.0	482.2	482.4	482.7	482.8	483.1
137.5°	504.9	505.5	506.0	506.6	507.1	507.4	507.4	507.3	507.3	507.2	507.5
140°	520.2	520.9	521.5	522.2	522.8	523.1	522.8	522.6	522.4	522.2	522.3
142.5°	534.8	535.4	536.1	536.7	537.4	537.7	537.6	537.6	537.5	537.5	537.4
145°	556.0	556.7	557.4	558.0	558.7	559.0	558.9	558.8	558.6	558.5	558.5
147.5°	573.7	574.5	575.2	576.0	576.8	577.1	577.0	576.9	576.8	576.6	576.4
150°	585.0	585.9	586.8	587.7	588.6	588.8	588.7	588.4	588.2	588.0	587.8
152.5°	595.6	596.4	597.3	598.1	598.8	599.1	598.9	598.7	598.5	598.2	598.0
155°	609.6	610.5	611.4	612.3	613.1	613.4	613.0	612.8	612.4	612.1	611.8
157.5°	621.3	622.2	623.0	624.0	624.8	625.1	624.7	624.4	624.1	623.7	623.6
160°	628.8	629.6	630.5	631.4	632.2	632.5	632.1	631.6	631.2	630.8	630.6
162.5°	635.4	636.5	637.4	638.3	639.3	639.5	638.9	638.3	637.7	637.1	636.9
165°	644.5	645.4	646.3	647.1	648.0	648.1	647.5	646.8	646.1	645.5	645.4
167.5°	650.7	651.8	652.7	653.8	654.7	654.8	654.0	653.2	652.5	651.7	651.5
170°	654.4	655.3	656.3	657.3	658.2	658.3	657.5	656.6	655.7	654.8	654.7
172.5°	656.7	657.6	658.7	659.6	660.6	660.7	660.0	659.1	658.3	657.5	657.4
175°	659.7	660.7	661.7	662.7	663.7	663.7	662.8	661.9	661.1	660.2	660.1
177.5°	661.5	662.2	662.9	663.6	664.3	664.3	663.7	663.1	662.5	661.9	661.8
180°	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1680.1	1676.3	1669.3	1662.8	1654.8	1647.9	1643.0	1637.1	1629.6	1620.5	1612.9
5°	1754.4	1739.7	1720.2	1703.4	1682.0	1665.2	1647.7	1630.9	1614.1	1592.7	1573.9
7.5°	1836.9	1806.4	1776.7	1739.4	1705.6	1675.3	1646.3	1617.0	1588.2	1557.7	1528.4
10°	1887.3	1850.4	1809.5	1762.5	1719.5	1678.6	1641.0	1604.0	1565.1	1530.9	1494.0
12.5°	1934.6	1886.9	1840.0	1780.7	1729.1	1679.1	1631.3	1585.3	1543.7	1499.3	1459.7
15°	1977.2	1930.3	1877.9	1805.4	1733.6	1673.2	1616.8	1557.1	1505.4	1455.8	1411.4
17.5°	1993.7	1944.5	1883.7	1814.0	1735.5	1659.5	1586.9	1521.4	1460.6	1402.7	1352.9
20°	1987.3	1939.7	1877.2	1810.8	1726.9	1647.7	1569.2	1496.7	1428.9	1367.8	1314.8
22.5°	1971.8	1922.4	1862.2	1792.0	1712.4	1628.4	1544.5	1467.1	1396.1	1332.9	1275.1
25°	1948.4	1881.3	1819.6	1751.0	1675.2	1592.0	1505.4	1420.1	1344.4	1279.9	1216.9
27.5°	1924.1	1840.3	1761.8	1693.8	1613.6	1539.4	1455.9	1368.5	1288.7	1223.1	1158.4
30°	1902.0	1808.1	1721.5	1644.3	1568.5	1498.1	1418.8	1333.6	1251.7	1184.0	1118.2
32.5°	1874.7	1774.8	1679.6	1590.6	1517.5	1447.6	1375.9	1294.4	1214.7	1144.7	1077.9
35°	1840.3	1712.8	1609.5	1514.8	1433.6	1365.8	1301.4	1235.6	1155.7	1083.2	1018.1
37.5°	1795.2	1650.5	1530.9	1427.8	1342.2	1274.1	1223.2	1163.1	1090.2	1020.8	960.4
40°	1767.8	1605.4	1474.5	1372.5	1282.5	1210.7	1163.1	1112.2	1045.7	980.6	920.2
42.5°	1731.3	1564.1	1417.6	1311.3	1220.8	1151.7	1103.5	1058.9	1003.2	941.9	877.2
45°	1659.7	1483.9	1330.2	1216.2	1124.9	1057.0	1012.1	972.5	930.2	873.8	817.4
47.5°	1566.6	1400.3	1239.5	1114.9	1025.5	962.6	918.9	887.7	857.5	809.5	754.8
50°	1492.0	1331.6	1174.5	1053.7	958.4	898.7	857.7	832.9	805.4	761.7	716.1
52.5°	1403.9	1260.7	1106.9	983.3	893.5	837.5	798.1	773.4	750.6	715.1	671.6
55°	1265.2	1139.6	998.7	886.6	804.1	747.7	710.1	686.6	673.2	643.0	608.7
57.5°	1105.0	1015.0	890.8	782.7	709.7	654.0	626.5	606.5	591.3	570.0	545.8
60°	993.3	930.2	818.8	716.1	649.0	596.0	571.2	554.4	540.3	522.2	503.3
62.5°	880.0	834.1	737.2	649.0	587.3	542.9	519.6	504.5	488.2	476.0	457.7
65°	728.2	687.3	620.2	551.0	494.0	458.4	441.6	428.2	418.1	404.7	391.9
67.5°	566.5	549.8	503.5	455.8	414.9	383.2	368.8	359.4	347.2	339.2	330.5
70°	467.1	459.1	426.2	394.7	356.4	334.9	321.5	317.5	302.7	294.6	288.6
72.5°	379.1	375.3	356.4	334.5	307.5	288.7	276.4	271.8	262.4	256.0	252.1
75°	259.8	261.1	257.7	243.7	233.6	221.4	210.8	208.0	201.4	196.0	192.6
77.5°	164.3	171.2	171.4	170.7	166.7	159.4	154.9	152.9	146.3	144.3	143.5
80°	112.8	120.1	126.8	126.1	124.8	122.9	119.5	117.4	114.1	112.1	110.7
82.5°	75.2	82.1	87.6	91.3	91.0	89.0	86.7	85.8	85.1	83.6	83.3
85°	35.6	36.9	38.9	43.7	47.0	47.6	47.0	46.3	44.3	44.9	45.6
87.5°	13.6	13.4	13.9	13.7	13.0	15.5	16.9	17.3	16.4	15.5	14.6
90°	6.4	5.6	4.8	4.0	3.1	2.2	1.4	0.5	1.4	2.2	3.1
92.5°	6.5	5.9	5.2	5.1	5.8	6.4	7.0	7.6	7.0	6.4	5.8
95°	16.2	20.3	24.5	26.7	27.0	27.4	27.6	28.0	27.6	27.4	27.0
97.5°	40.6	48.8	57.0	60.8	60.2	59.7	59.1	58.5	59.1	59.7	60.2
100°	84.6	84.2	83.7	83.3	83.0	82.7	82.4	82.1	82.4	82.7	83.0
102.5°	108.6	108.2	108.0	107.6	107.3	106.9	106.4	106.0	106.4	106.9	107.3
105°	146.4	146.4	146.4	146.2	145.8	145.3	144.8	144.4	144.8	145.3	145.8
107.5°	184.9	184.6	184.4	184.3	184.3	184.3	184.3	184.3	184.3	184.3	184.3
110°	210.8	210.6	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3	210.3



TEST NUMBER: P333616-935

CATALOG NUMBER: S125RDIP-S1270D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	236.1	236.0	235.8	235.7	235.4	235.1	234.9	234.6	234.9	235.1	235.4
115°	273.9	273.8	273.7	273.4	272.8	272.2	271.7	271.1	271.7	272.2	272.8
117.5°	310.0	309.5	309.1	308.9	308.9	308.9	308.9	309.0	308.9	308.9	308.9
120°	332.9	332.6	332.3	332.1	332.3	332.3	332.4	332.6	332.4	332.3	332.3
122.5°	355.7	355.5	355.3	355.1	354.6	354.2	353.8	353.4	353.8	354.2	354.6
125°	389.1	389.1	389.1	388.7	387.9	387.1	386.4	385.6	386.4	387.1	387.9
127.5°	418.7	418.7	418.8	418.5	418.0	417.5	416.9	416.4	416.9	417.5	418.0
130°	438.0	437.8	437.7	437.4	436.9	436.4	435.8	435.2	435.8	436.4	436.9
132.5°	456.3	456.6	456.8	456.6	456.0	455.4	454.7	454.1	454.7	455.4	456.0
135°	483.3	483.5	483.8	483.5	482.8	482.2	481.6	481.0	481.6	482.2	482.8
137.5°	507.6	507.8	508.1	507.8	507.3	506.7	506.2	505.6	506.2	506.7	507.3
140°	522.4	522.5	522.6	522.5	522.4	522.1	521.9	521.7	521.9	522.1	522.4
142.5°	537.2	537.1	536.9	536.7	536.7	536.5	536.4	536.2	536.4	536.5	536.7
145°	558.5	558.5	558.5	558.4	558.2	558.0	557.8	557.6	557.8	558.0	558.2
147.5°	576.4	576.2	576.1	576.0	576.1	576.1	576.2	576.2	576.2	576.1	576.1
150°	587.5	587.4	587.1	587.1	587.4	587.5	587.8	588.0	587.8	587.5	587.4
152.5°	597.8	597.5	597.4	597.4	598.0	598.5	598.9	599.4	598.9	598.5	598.0
155°	611.7	611.4	611.2	611.4	612.1	612.8	613.4	614.1	613.4	612.8	612.1
157.5°	623.6	623.6	623.6	623.8	624.1	624.6	624.9	625.3	624.9	624.6	624.1
160°	630.5	630.4	630.3	630.6	631.2	631.9	632.6	633.2	632.6	631.9	631.2
162.5°	636.8	636.7	636.6	636.9	637.5	638.2	638.9	639.5	638.9	638.2	637.5
165°	645.2	645.1	645.1	645.3	646.0	646.6	647.3	647.9	647.3	646.6	646.0
167.5°	651.4	651.3	651.3	651.5	652.2	652.9	653.6	654.2	653.6	652.9	652.2
170°	654.6	654.4	654.4	654.7	655.5	656.3	657.0	657.8	657.0	656.3	655.5
172.5°	657.2	656.9	656.8	657.0	657.8	658.6	659.4	660.1	659.4	658.6	657.8
175°	660.0	659.9	659.8	660.0	660.7	661.3	662.0	662.7	662.0	661.3	660.7
177.5°	661.7	661.6	661.5	661.8	662.3	662.8	663.3	663.8	663.3	662.8	662.3
180°	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7



TEST NUMBER: P333616-935

CATALOG NUMBER: S125RDIP-S1270D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1607.6	1600.1	1594.7	1583.9	1576.4	1573.2	1567.3	1565.6	1571.6	1567.3	1566.8
5°	1559.8	1540.3	1524.9	1509.4	1492.6	1482.0	1465.9	1463.1	1459.1	1453.0	1451.7
7.5°	1502.4	1477.1	1457.2	1431.8	1409.5	1391.7	1371.6	1362.0	1356.8	1349.0	1338.6
10°	1463.8	1433.6	1406.8	1381.2	1353.8	1331.6	1311.5	1296.0	1285.9	1276.5	1272.6
12.5°	1425.6	1394.9	1360.6	1329.7	1299.0	1274.1	1251.8	1241.8	1230.6	1219.6	1210.2
15°	1366.5	1325.5	1288.0	1252.4	1226.2	1199.4	1177.8	1163.1	1146.3	1141.7	1123.5
17.5°	1303.6	1263.5	1219.5	1182.1	1151.7	1122.1	1098.5	1081.8	1069.2	1051.9	1043.5
20°	1264.5	1216.9	1173.9	1139.6	1106.0	1071.2	1047.0	1032.9	1020.8	1006.8	1000.1
22.5°	1222.6	1176.0	1132.0	1091.8	1057.7	1023.4	1006.2	991.6	977.8	964.8	956.0
25°	1161.1	1114.1	1067.8	1026.2	990.7	965.8	945.6	928.8	921.5	908.8	899.3
27.5°	1100.3	1050.3	1002.3	960.8	932.9	908.4	891.8	878.6	865.2	854.1	845.9
30°	1061.1	1010.1	957.8	924.9	895.4	871.8	853.7	840.9	830.9	820.8	814.8
32.5°	1021.9	969.3	922.8	887.3	859.4	839.0	820.4	808.2	797.6	786.4	779.4
35°	959.1	905.4	867.8	832.9	805.4	786.6	773.9	756.4	747.7	739.6	732.2
37.5°	900.7	850.8	810.1	779.5	755.6	736.9	720.4	711.0	700.3	693.0	686.9
40°	857.7	812.1	775.2	743.0	725.6	704.7	689.3	677.2	669.2	659.8	653.1
42.5°	819.1	776.7	740.8	711.9	690.1	672.5	657.6	645.5	635.3	628.6	622.9
45°	764.5	722.2	687.3	660.4	640.3	623.5	608.0	602.0	588.6	580.6	577.9
47.5°	707.9	670.1	636.4	611.7	591.0	575.1	560.7	548.4	541.0	533.0	528.7
50°	669.9	633.6	602.0	577.9	557.8	540.3	526.8	518.8	508.8	501.4	496.0
52.5°	631.7	598.1	566.6	543.5	526.1	508.6	493.6	485.5	476.0	471.3	467.5
55°	577.2	541.7	514.8	492.0	473.8	457.7	443.7	435.6	429.6	424.8	423.5
57.5°	515.5	487.2	462.3	441.8	422.9	407.8	395.5	387.8	382.5	381.8	377.7
60°	475.2	449.7	426.9	404.7	388.6	374.5	363.8	355.1	349.7	349.0	347.7
62.5°	434.9	410.4	389.3	369.8	355.3	341.7	331.6	321.8	318.6	315.2	312.2
65°	375.1	353.0	335.6	320.1	304.7	293.3	283.3	277.2	269.8	265.8	258.4
67.5°	316.5	299.4	282.6	269.6	257.4	246.6	238.2	229.3	224.3	221.1	215.7
70°	277.8	264.4	247.6	233.6	224.2	215.4	208.7	198.6	195.3	192.6	189.9
72.5°	241.3	229.5	215.4	204.1	194.7	186.4	178.7	173.9	170.7	167.9	166.3
75°	189.9	178.6	166.4	158.4	151.7	145.0	140.9	137.6	136.2	135.6	132.9
77.5°	139.5	133.5	123.7	117.4	112.9	110.2	106.6	104.9	104.7	101.8	100.8
80°	106.7	103.3	95.3	92.6	89.3	86.6	84.6	81.2	77.8	76.5	74.5
82.5°	79.3	75.9	72.8	68.4	65.6	64.1	62.0	60.8	61.2	59.3	58.4
85°	42.3	38.9	37.6	36.9	35.6	36.9	36.2	35.6	34.9	34.3	34.9
87.5°	14.2	14.4	14.0	15.2	13.8	14.5	14.6	14.1	14.2	14.4	13.9
90°	4.0	4.8	5.6	6.4	7.1	7.8	8.4	9.0	9.5	10.1	10.5
92.5°	5.1	5.2	5.9	6.5	7.1	7.8	8.4	9.0	9.5	10.1	10.4
95°	26.7	24.5	20.3	16.2	12.0	7.8	8.4	9.0	9.5	10.1	10.3
97.5°	60.8	57.0	48.8	40.6	32.4	24.2	21.1	18.0	14.9	11.9	10.3
100°	83.3	83.7	84.2	84.6	85.1	85.5	69.2	53.0	36.7	20.4	12.1
102.5°	107.6	108.0	108.2	108.6	108.8	109.1	106.0	102.9	99.8	96.8	91.5
105°	146.2	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4	146.4
107.5°	184.3	184.4	184.6	184.9	185.1	185.3	185.3	185.4	185.4	185.4	185.2
110°	210.3	210.3	210.6	210.8	211.0	211.2	210.9	210.6	210.3	209.9	209.8



TEST NUMBER: P333616-935

CATALOG NUMBER: S125RDIP-S1270D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	235.7	235.8	236.0	236.1	236.3	236.3	236.0	235.6	235.1	234.7	234.5
115°	273.4	273.7	273.8	273.9	274.0	274.1	273.7	273.2	272.8	272.3	271.8
117.5°	308.9	309.1	309.5	310.0	310.3	310.7	310.2	309.6	309.0	308.5	308.1
120°	332.1	332.3	332.6	332.9	333.2	333.6	333.3	333.1	332.9	332.7	332.3
122.5°	355.1	355.3	355.5	355.7	355.8	355.9	355.8	355.5	355.3	355.1	354.6
125°	388.7	389.1	389.1	389.1	389.1	389.1	388.7	388.2	387.7	387.3	386.9
127.5°	418.5	418.8	418.7	418.7	418.6	418.5	418.3	418.0	417.8	417.6	417.1
130°	437.4	437.7	437.8	438.0	438.1	438.2	437.8	437.6	437.2	436.9	436.4
132.5°	456.6	456.8	456.6	456.3	456.1	455.9	455.8	455.7	455.6	455.6	455.3
135°	483.5	483.8	483.5	483.3	483.1	482.8	482.7	482.4	482.2	482.0	481.6
137.5°	507.8	508.1	507.8	507.6	507.5	507.2	507.3	507.3	507.4	507.4	507.1
140°	522.5	522.6	522.5	522.4	522.3	522.2	522.4	522.6	522.8	523.1	522.8
142.5°	536.7	536.9	537.1	537.2	537.4	537.5	537.5	537.6	537.6	537.7	537.4
145°	558.4	558.5	558.5	558.5	558.5	558.5	558.6	558.8	558.9	559.0	558.7
147.5°	576.0	576.1	576.2	576.4	576.4	576.6	576.8	576.9	577.0	577.1	576.8
150°	587.1	587.1	587.4	587.5	587.8	588.0	588.2	588.4	588.7	588.8	588.6
152.5°	597.4	597.4	597.5	597.8	598.0	598.2	598.5	598.7	598.9	599.1	598.8
155°	611.4	611.2	611.4	611.7	611.8	612.1	612.4	612.8	613.0	613.4	613.1
157.5°	623.8	623.6	623.6	623.6	623.6	623.7	624.1	624.4	624.7	625.1	624.8
160°	630.6	630.3	630.4	630.5	630.6	630.8	631.2	631.6	632.1	632.5	632.2
162.5°	636.9	636.6	636.7	636.8	636.9	637.1	637.7	638.3	638.9	639.5	639.3
165°	645.3	645.1	645.1	645.2	645.4	645.5	646.1	646.8	647.5	648.1	648.0
167.5°	651.5	651.3	651.3	651.4	651.5	651.7	652.5	653.2	654.0	654.8	654.7
170°	654.7	654.4	654.4	654.6	654.7	654.8	655.7	656.6	657.5	658.3	658.2
172.5°	657.0	656.8	656.9	657.2	657.4	657.5	658.3	659.1	660.0	660.7	660.6
175°	660.0	659.8	659.9	660.0	660.1	660.2	661.1	661.9	662.8	663.7	663.7
177.5°	661.8	661.5	661.6	661.7	661.8	661.9	662.5	663.1	663.7	664.3	664.3
180°	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7



TEST NUMBER: P333616-935

CATALOG NUMBER: S125RDIP-S1270D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1566.2	1560.3	1558.7	1560.8	1558.7	1560.3	1566.2	1566.8	1567.3	1571.6	1565.6
5°	1445.0	1438.3	1441.7	1440.3	1441.7	1438.3	1445.0	1451.7	1453.0	1459.1	1463.1
7.5°	1338.4	1330.1	1321.2	1324.0	1321.2	1330.1	1338.4	1338.6	1349.0	1356.8	1362.0
10°	1263.8	1257.1	1253.0	1256.4	1253.0	1257.1	1263.8	1272.6	1276.5	1285.9	1296.0
12.5°	1201.0	1197.0	1193.4	1192.0	1193.4	1197.0	1201.0	1210.2	1219.6	1230.6	1241.8
15°	1115.4	1107.4	1104.1	1095.4	1104.1	1107.4	1115.4	1123.5	1141.7	1146.3	1163.1
17.5°	1036.6	1034.0	1025.3	1021.5	1025.3	1034.0	1036.6	1043.5	1051.9	1069.2	1081.8
20°	990.0	987.3	978.5	984.0	978.5	987.3	990.0	1000.1	1006.8	1020.8	1032.9
22.5°	951.3	945.4	942.5	941.0	942.5	945.4	951.3	956.0	964.8	977.8	991.6
25°	896.6	887.9	884.6	880.5	884.6	887.9	896.6	899.3	908.8	921.5	928.8
27.5°	842.1	837.5	833.0	832.0	833.0	837.5	842.1	845.9	854.1	865.2	878.6
30°	806.8	802.0	798.7	798.7	798.7	802.0	806.8	814.8	820.8	830.9	840.9
32.5°	775.1	771.5	768.1	767.6	768.1	771.5	775.1	779.4	786.4	797.6	808.2
35°	728.9	723.5	722.2	718.2	722.2	723.5	728.9	732.2	739.6	747.7	756.4
37.5°	681.0	676.5	676.4	676.0	676.4	676.5	681.0	686.9	693.0	700.3	711.0
40°	650.3	647.0	646.4	641.6	646.4	647.0	650.3	653.1	659.8	669.2	677.2
42.5°	617.6	615.9	613.5	611.6	613.5	615.9	617.6	622.9	628.6	635.3	645.5
45°	573.2	568.4	568.4	565.1	568.4	568.4	573.2	577.9	580.6	588.6	602.0
47.5°	527.3	523.7	524.0	520.6	524.0	523.7	527.3	528.7	533.0	541.0	548.4
50°	496.6	494.6	494.0	492.7	494.0	494.6	496.6	496.0	501.4	508.8	518.8
52.5°	466.1	465.1	467.7	464.7	467.7	465.1	466.1	467.5	471.3	476.0	485.5
55°	424.8	422.8	426.9	422.8	426.9	422.8	424.8	423.5	424.8	429.6	435.6
57.5°	377.5	375.6	379.2	377.2	379.2	375.6	377.5	377.7	381.8	382.5	387.8
60°	346.3	342.3	344.3	345.0	344.3	342.3	346.3	347.7	349.0	349.7	355.1
62.5°	309.3	306.9	308.3	305.2	308.3	306.9	309.3	312.2	315.2	318.6	321.8
65°	257.1	255.0	252.4	251.0	252.4	255.0	257.1	258.4	265.8	269.8	277.2
67.5°	215.9	211.1	211.0	212.1	211.0	211.1	215.9	215.7	221.1	224.3	229.3
70°	185.9	185.9	185.2	185.2	185.2	185.9	185.9	189.9	192.6	195.3	198.6
72.5°	165.0	164.5	163.2	162.7	163.2	164.5	165.0	166.3	167.9	170.7	173.9
75°	132.9	133.5	132.2	131.6	132.2	133.5	132.9	132.9	135.6	136.2	137.6
77.5°	98.2	95.3	96.8	95.3	96.8	95.3	98.2	100.8	101.8	104.7	104.9
80°	74.5	73.8	75.9	73.8	75.9	73.8	74.5	74.5	76.5	77.8	81.2
82.5°	58.9	58.3	59.2	57.7	59.2	58.3	58.9	58.4	59.3	61.2	60.8
85°	35.6	34.9	34.3	34.9	34.3	34.9	35.6	34.9	34.3	34.9	35.6
87.5°	14.6	14.0	14.1	14.2	14.1	14.0	14.6	13.9	14.4	14.2	14.1
90°	10.8	11.1	11.5	11.8	11.5	11.1	10.8	10.5	10.1	9.5	9.0
92.5°	10.5	10.7	10.8	11.0	10.8	10.7	10.5	10.4	10.1	9.5	9.0
95°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.1	9.5	9.0
97.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	11.9	14.9	18.0
100°	11.6	11.2	10.8	10.3	10.8	11.2	11.6	12.1	20.4	36.7	53.0
102.5°	84.0	76.6	69.2	61.8	69.2	76.6	84.0	91.5	96.8	99.8	102.9
105°	146.2	146.1	146.0	145.9	146.0	146.1	146.2	146.4	146.4	146.4	146.4
107.5°	184.9	184.6	184.3	183.9	184.3	184.6	184.9	185.2	185.4	185.4	185.4
110°	209.9	210.0	210.2	210.3	210.2	210.0	209.9	209.8	209.9	210.3	210.6



TEST NUMBER: P333616-935

CATALOG NUMBER: S125RDIP-S1270D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	234.3	234.1	234.0	233.8	234.0	234.1	234.3	234.5	234.7	235.1	235.6
115°	271.1	270.5	269.8	269.2	269.8	270.5	271.1	271.8	272.3	272.8	273.2
117.5°	307.8	307.5	307.2	306.9	307.2	307.5	307.8	308.1	308.5	309.0	309.6
120°	331.7	331.2	330.6	330.1	330.6	331.2	331.7	332.3	332.7	332.9	333.1
122.5°	354.0	353.4	352.8	352.1	352.8	353.4	354.0	354.6	355.1	355.3	355.5
125°	386.6	386.2	386.0	385.6	386.0	386.2	386.6	386.9	387.3	387.7	388.2
127.5°	416.2	415.4	414.7	413.8	414.7	415.4	416.2	417.1	417.6	417.8	418.0
130°	435.9	435.3	434.8	434.3	434.8	435.3	435.9	436.4	436.9	437.2	437.6
132.5°	454.8	454.2	453.7	453.1	453.7	454.2	454.8	455.3	455.6	455.6	455.7
135°	481.0	480.3	479.6	479.0	479.6	480.3	481.0	481.6	482.0	482.2	482.4
137.5°	506.6	506.0	505.5	504.9	505.5	506.0	506.6	507.1	507.4	507.4	507.3
140°	522.2	521.5	520.9	520.2	520.9	521.5	522.2	522.8	523.1	522.8	522.6
142.5°	536.7	536.1	535.4	534.8	535.4	536.1	536.7	537.4	537.7	537.6	537.6
145°	558.0	557.4	556.7	556.0	556.7	557.4	558.0	558.7	559.0	558.9	558.8
147.5°	576.0	575.2	574.5	573.7	574.5	575.2	576.0	576.8	577.1	577.0	576.9
150°	587.7	586.8	585.9	585.0	585.9	586.8	587.7	588.6	588.8	588.7	588.4
152.5°	598.1	597.3	596.4	595.6	596.4	597.3	598.1	598.8	599.1	598.9	598.7
155°	612.3	611.4	610.5	609.6	610.5	611.4	612.3	613.1	613.4	613.0	612.8
157.5°	624.0	623.0	622.2	621.3	622.2	623.0	624.0	624.8	625.1	624.7	624.4
160°	631.4	630.5	629.6	628.8	629.6	630.5	631.4	632.2	632.5	632.1	631.6
162.5°	638.3	637.4	636.5	635.4	636.5	637.4	638.3	639.3	639.5	638.9	638.3
165°	647.1	646.3	645.4	644.5	645.4	646.3	647.1	648.0	648.1	647.5	646.8
167.5°	653.8	652.7	651.8	650.7	651.8	652.7	653.8	654.7	654.8	654.0	653.2
170°	657.3	656.3	655.3	654.4	655.3	656.3	657.3	658.2	658.3	657.5	656.6
172.5°	659.6	658.7	657.6	656.7	657.6	658.7	659.6	660.6	660.7	660.0	659.1
175°	662.7	661.7	660.7	659.7	660.7	661.7	662.7	663.7	663.7	662.8	661.9
177.5°	663.6	662.9	662.2	661.5	662.2	662.9	663.6	664.3	664.3	663.7	663.1
180°	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7



TEST NUMBER: P333616-935

CATALOG NUMBER: S125RDIP-S1270D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1567.3	1573.2	1576.4	1583.9	1594.7	1600.1	1607.6	1612.9	1620.5	1629.6	1637.1
5°	1465.9	1482.0	1492.6	1509.4	1524.9	1540.3	1559.8	1573.9	1592.7	1614.1	1630.9
7.5°	1371.6	1391.7	1409.5	1431.8	1457.2	1477.1	1502.4	1528.4	1557.7	1588.2	1617.0
10°	1311.5	1331.6	1353.8	1381.2	1406.8	1433.6	1463.8	1494.0	1530.9	1565.1	1604.0
12.5°	1251.8	1274.1	1299.0	1329.7	1360.6	1394.9	1425.6	1459.7	1499.3	1543.7	1585.3
15°	1177.8	1199.4	1226.2	1252.4	1288.0	1325.5	1366.5	1411.4	1455.8	1505.4	1557.1
17.5°	1098.5	1122.1	1151.7	1182.1	1219.5	1263.5	1303.6	1352.9	1402.7	1460.6	1521.4
20°	1047.0	1071.2	1106.0	1139.6	1173.9	1216.9	1264.5	1314.8	1367.8	1428.9	1496.7
22.5°	1006.2	1023.4	1057.7	1091.8	1132.0	1176.0	1222.6	1275.1	1332.9	1396.1	1467.1
25°	945.6	965.8	990.7	1026.2	1067.8	1114.1	1161.1	1216.9	1279.9	1344.4	1420.1
27.5°	891.8	908.4	932.9	960.8	1002.3	1050.3	1100.3	1158.4	1223.1	1288.7	1368.5
30°	853.7	871.8	895.4	924.9	957.8	1010.1	1061.1	1118.2	1184.0	1251.7	1333.6
32.5°	820.4	839.0	859.4	887.3	922.8	969.3	1021.9	1077.9	1144.7	1214.7	1294.4
35°	773.9	786.6	805.4	832.9	867.8	905.4	959.1	1018.1	1083.2	1155.7	1235.6
37.5°	720.4	736.9	755.6	779.5	810.1	850.8	900.7	960.4	1020.8	1090.2	1163.1
40°	689.3	704.7	725.6	743.0	775.2	812.1	857.7	920.2	980.6	1045.7	1112.2
42.5°	657.6	672.5	690.1	711.9	740.8	776.7	819.1	877.2	941.9	1003.2	1058.9
45°	608.0	623.5	640.3	660.4	687.3	722.2	764.5	817.4	873.8	930.2	972.5
47.5°	560.7	575.1	591.0	611.7	636.4	670.1	707.9	754.8	809.5	857.5	887.7
50°	526.8	540.3	557.8	577.9	602.0	633.6	669.9	716.1	761.7	805.4	832.9
52.5°	493.6	508.6	526.1	543.5	566.6	598.1	631.7	671.6	715.1	750.6	773.4
55°	443.7	457.7	473.8	492.0	514.8	541.7	577.2	608.7	643.0	673.2	686.6
57.5°	395.5	407.8	422.9	441.8	462.3	487.2	515.5	545.8	570.0	591.3	606.5
60°	363.8	374.5	388.6	404.7	426.9	449.7	475.2	503.3	522.2	540.3	554.4
62.5°	331.6	341.7	355.3	369.8	389.3	410.4	434.9	457.7	476.0	488.2	504.5
65°	283.3	293.3	304.7	320.1	335.6	353.0	375.1	391.9	404.7	418.1	428.2
67.5°	238.2	246.6	257.4	269.6	282.6	299.4	316.5	330.5	339.2	347.2	359.4
70°	208.7	215.4	224.2	233.6	247.6	264.4	277.8	288.6	294.6	302.7	317.5
72.5°	178.7	186.4	194.7	204.1	215.4	229.5	241.3	252.1	256.0	262.4	271.8
75°	140.9	145.0	151.7	158.4	166.4	178.6	189.9	192.6	196.0	201.4	208.0
77.5°	106.6	110.2	112.9	117.4	123.7	133.5	139.5	143.5	144.3	146.3	152.9
80°	84.6	86.6	89.3	92.6	95.3	103.3	106.7	110.7	112.1	114.1	117.4
82.5°	62.0	64.1	65.6	68.4	72.8	75.9	79.3	83.3	83.6	85.1	85.8
85°	36.2	36.9	35.6	36.9	37.6	38.9	42.3	45.6	44.9	44.3	46.3
87.5°	14.6	14.5	13.8	15.2	14.0	14.4	14.2	14.6	15.5	16.4	17.3
90°	8.4	7.8	7.1	6.4	5.6	4.8	4.0	3.1	2.2	1.4	0.5
92.5°	8.4	7.8	7.1	6.5	5.9	5.2	5.1	5.8	6.4	7.0	7.6
95°	8.4	7.8	12.0	16.2	20.3	24.5	26.7	27.0	27.4	27.6	28.0
97.5°	21.1	24.2	32.4	40.6	48.8	57.0	60.8	60.2	59.7	59.1	58.5
100°	69.2	85.5	85.1	84.6	84.2	83.7	83.3	83.0	82.7	82.4	82.1
102.5°	106.0	109.1	108.8	108.6	108.2	108.0	107.6	107.3	106.9	106.4	106.0
105°	146.4	146.4	146.4	146.4	146.4	146.4	146.2	145.8	145.3	144.8	144.4
107.5°	185.3	185.3	185.1	184.9	184.6	184.4	184.3	184.3	184.3	184.3	184.3
110°	210.9	211.2	211.0	210.8	210.6	210.3	210.3	210.3	210.3	210.3	210.3



TEST NUMBER: P333616-935

CATALOG NUMBER: S125RDIP-S1270D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	236.0	236.3	236.3	236.1	236.0	235.8	235.7	235.4	235.1	234.9	234.6
115°	273.7	274.1	274.0	273.9	273.8	273.7	273.4	272.8	272.2	271.7	271.1
117.5°	310.2	310.7	310.3	310.0	309.5	309.1	308.9	308.9	308.9	308.9	309.0
120°	333.3	333.6	333.2	332.9	332.6	332.3	332.1	332.3	332.3	332.4	332.6
122.5°	355.8	355.9	355.8	355.7	355.5	355.3	355.1	354.6	354.2	353.8	353.4
125°	388.7	389.1	389.1	389.1	389.1	389.1	388.7	387.9	387.1	386.4	385.6
127.5°	418.3	418.5	418.6	418.7	418.7	418.8	418.5	418.0	417.5	416.9	416.4
130°	437.8	438.2	438.1	438.0	437.8	437.7	437.4	436.9	436.4	435.8	435.2
132.5°	455.8	455.9	456.1	456.3	456.6	456.8	456.6	456.0	455.4	454.7	454.1
135°	482.7	482.8	483.1	483.3	483.5	483.8	483.5	482.8	482.2	481.6	481.0
137.5°	507.3	507.2	507.5	507.6	507.8	508.1	507.8	507.3	506.7	506.2	505.6
140°	522.4	522.2	522.3	522.4	522.5	522.6	522.5	522.4	522.1	521.9	521.7
142.5°	537.5	537.5	537.4	537.2	537.1	536.9	536.7	536.7	536.5	536.4	536.2
145°	558.6	558.5	558.5	558.5	558.5	558.5	558.4	558.2	558.0	557.8	557.6
147.5°	576.8	576.6	576.4	576.4	576.2	576.1	576.0	576.1	576.1	576.2	576.2
150°	588.2	588.0	587.8	587.5	587.4	587.1	587.1	587.4	587.5	587.8	588.0
152.5°	598.5	598.2	598.0	597.8	597.5	597.4	597.4	598.0	598.5	598.9	599.4
155°	612.4	612.1	611.8	611.7	611.4	611.2	611.4	612.1	612.8	613.4	614.1
157.5°	624.1	623.7	623.6	623.6	623.6	623.6	623.8	624.1	624.6	624.9	625.3
160°	631.2	630.8	630.6	630.5	630.4	630.3	630.6	631.2	631.9	632.6	633.2
162.5°	637.7	637.1	636.9	636.8	636.7	636.6	636.9	637.5	638.2	638.9	639.5
165°	646.1	645.5	645.4	645.2	645.1	645.1	645.3	646.0	646.6	647.3	647.9
167.5°	652.5	651.7	651.5	651.4	651.3	651.3	651.5	652.2	652.9	653.6	654.2
170°	655.7	654.8	654.7	654.6	654.4	654.4	654.7	655.5	656.3	657.0	657.8
172.5°	658.3	657.5	657.4	657.2	656.9	656.8	657.0	657.8	658.6	659.4	660.1
175°	661.1	660.2	660.1	660.0	659.9	659.8	660.0	660.7	661.3	662.0	662.7
177.5°	662.5	661.9	661.8	661.7	661.6	661.5	661.8	662.3	662.8	663.3	663.8
180°	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7



TEST NUMBER: P333616-935

CATALOG NUMBER: S125RDIP-S1270D590U935-4F0-1E-UDD-A

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1643.0	1647.9	1654.8	1662.8	1669.3	1676.3	1680.1	1680.1	1683.3	1690.2	1699.4
5°	1647.7	1665.2	1682.0	1703.4	1720.2	1739.7	1754.4	1768.5	1781.2	1797.3	1814.1
7.5°	1646.3	1675.3	1705.6	1739.4	1776.7	1806.4	1836.9	1860.7	1884.4	1915.2	1939.5
10°	1641.0	1678.6	1719.5	1762.5	1809.5	1850.4	1887.3	1920.9	1953.1	1986.7	2016.8
12.5°	1631.3	1679.1	1729.1	1780.7	1840.0	1886.9	1934.6	1970.2	2007.9	2044.6	2081.8
15°	1616.8	1673.2	1733.6	1805.4	1877.9	1930.3	1977.2	2023.5	2058.5	2100.1	2135.6
17.5°	1586.9	1659.5	1735.5	1814.0	1883.7	1944.5	1993.7	2037.8	2074.9	2120.7	2169.0
20°	1569.2	1647.7	1726.9	1810.8	1877.2	1939.7	1987.3	2032.9	2079.2	2139.0	2198.0
22.5°	1544.5	1628.4	1712.4	1792.0	1862.2	1922.4	1971.8	2027.6	2088.4	2156.2	2227.6
25°	1505.4	1592.0	1675.2	1751.0	1819.6	1881.3	1948.4	2023.5	2097.4	2186.7	2289.3
27.5°	1455.9	1539.4	1613.6	1693.8	1761.8	1840.3	1924.1	2005.5	2112.0	2234.8	2363.0
30°	1418.8	1498.1	1568.5	1644.3	1721.5	1808.1	1902.0	1998.0	2124.9	2269.2	2421.6
32.5°	1375.9	1447.6	1517.5	1590.6	1679.6	1774.8	1874.7	1992.1	2143.7	2307.8	2465.6
35°	1301.4	1365.8	1433.6	1514.8	1609.5	1712.8	1840.3	1983.3	2166.5	2343.0	2484.7
37.5°	1223.2	1274.1	1342.2	1427.8	1530.9	1650.5	1795.2	1968.9	2157.1	2315.5	2375.8
40°	1163.1	1210.7	1282.5	1372.5	1474.5	1605.4	1767.8	1946.4	2135.6	2245.7	2241.0
42.5°	1103.5	1151.7	1220.8	1311.3	1417.6	1564.1	1731.3	1916.8	2076.6	2118.5	2031.1
45°	1012.1	1057.0	1124.9	1216.2	1330.2	1483.9	1659.7	1837.6	1939.7	1871.9	1698.7
47.5°	918.9	962.6	1025.5	1114.9	1239.5	1400.3	1566.6	1712.5	1726.9	1581.2	1373.6
50°	857.7	898.7	958.4	1053.7	1174.5	1331.6	1492.0	1606.8	1571.2	1393.4	1179.2
52.5°	798.1	837.5	893.5	983.3	1106.9	1260.7	1403.9	1494.0	1411.7	1222.6	1029.9
55°	710.1	747.7	804.1	886.6	998.7	1139.6	1265.2	1298.0	1177.2	986.6	830.9
57.5°	626.5	654.0	709.7	782.7	890.8	1015.0	1105.0	1099.1	965.8	794.1	682.4
60°	571.2	596.0	649.0	716.1	818.8	930.2	993.3	966.5	831.6	689.9	582.6
62.5°	519.6	542.9	587.3	649.0	737.2	834.1	880.0	843.0	715.6	591.2	505.8
65°	441.6	458.4	494.0	551.0	620.2	687.3	728.2	673.8	561.1	467.1	402.7
67.5°	368.8	383.2	414.9	455.8	503.5	549.8	566.5	515.5	427.8	364.5	319.1
70°	321.5	334.9	356.4	394.7	426.2	459.1	467.1	421.5	348.4	300.0	271.8
72.5°	276.4	288.7	307.5	334.5	356.4	375.3	379.1	336.7	280.7	247.4	225.7
75°	210.8	221.4	233.6	243.7	257.7	261.1	259.8	226.9	196.7	174.5	162.4
77.5°	154.9	159.4	166.7	170.7	171.4	171.2	164.3	143.5	127.9	118.8	113.8
80°	119.5	122.9	124.8	126.1	126.8	120.1	112.8	100.0	94.6	89.3	83.3
82.5°	86.7	89.0	91.0	91.3	87.6	82.1	75.2	68.9	65.1	62.4	60.1
85°	47.0	47.6	47.0	43.7	38.9	36.9	35.6	34.3	33.6	32.9	32.9
87.5°	16.9	15.5	13.0	13.7	13.9	13.4	13.6	13.3	12.8	12.9	13.1
90°	1.4	2.2	3.1	4.0	4.8	5.6	6.4	7.1	7.8	8.4	9.0
92.5°	7.0	6.4	5.8	5.1	5.2	5.9	6.5	7.1	7.8	8.4	9.0
95°	27.6	27.4	27.0	26.7	24.5	20.3	16.2	12.0	7.8	8.4	9.0
97.5°	59.1	59.7	60.2	60.8	57.0	48.8	40.6	32.4	24.2	21.1	18.0
100°	82.4	82.7	83.0	83.3	83.7	84.2	84.6	85.1	85.5	69.2	53.0
102.5°	106.4	106.9	107.3	107.6	108.0	108.2	108.6	108.8	109.1	106.0	102.9
105°	144.8	145.3	145.8	146.2	146.4	146.4	146.4	146.4	146.4	146.4	146.4
107.5°	184.3	184.3	184.3	184.3	184.4	184.6	184.9	185.1	185.3	185.3	185.4
110°	210.3	210.3	210.3	210.3	210.3	210.6	210.8	211.0	211.2	210.9	210.6



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CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	234.9	235.1	235.4	235.7	235.8	236.0	236.1	236.3	236.3	236.0	235.6
115°	271.7	272.2	272.8	273.4	273.7	273.8	273.9	274.0	274.1	273.7	273.2
117.5°	308.9	308.9	308.9	308.9	309.1	309.5	310.0	310.3	310.7	310.2	309.6
120°	332.4	332.3	332.3	332.1	332.3	332.6	332.9	333.2	333.6	333.3	333.1
122.5°	353.8	354.2	354.6	355.1	355.3	355.5	355.7	355.8	355.9	355.8	355.5
125°	386.4	387.1	387.9	388.7	389.1	389.1	389.1	389.1	389.1	388.7	388.2
127.5°	416.9	417.5	418.0	418.5	418.8	418.7	418.7	418.6	418.5	418.3	418.0
130°	435.8	436.4	436.9	437.4	437.7	437.8	438.0	438.1	438.2	437.8	437.6
132.5°	454.7	455.4	456.0	456.6	456.8	456.6	456.3	456.1	455.9	455.8	455.7
135°	481.6	482.2	482.8	483.5	483.8	483.5	483.3	483.1	482.8	482.7	482.4
137.5°	506.2	506.7	507.3	507.8	508.1	507.8	507.6	507.5	507.2	507.3	507.3
140°	521.9	522.1	522.4	522.5	522.6	522.5	522.4	522.3	522.2	522.4	522.6
142.5°	536.4	536.5	536.7	536.7	536.9	537.1	537.2	537.4	537.5	537.5	537.6
145°	557.8	558.0	558.2	558.4	558.5	558.5	558.5	558.5	558.5	558.6	558.8
147.5°	576.2	576.1	576.1	576.0	576.1	576.2	576.4	576.4	576.6	576.8	576.9
150°	587.8	587.5	587.4	587.1	587.1	587.4	587.5	587.8	588.0	588.2	588.4
152.5°	598.9	598.5	598.0	597.4	597.4	597.5	597.8	598.0	598.2	598.5	598.7
155°	613.4	612.8	612.1	611.4	611.2	611.4	611.7	611.8	612.1	612.4	612.8
157.5°	624.9	624.6	624.1	623.8	623.6	623.6	623.6	623.6	623.7	624.1	624.4
160°	632.6	631.9	631.2	630.6	630.3	630.4	630.5	630.6	630.8	631.2	631.6
162.5°	638.9	638.2	637.5	636.9	636.6	636.7	636.8	636.9	637.1	637.7	638.3
165°	647.3	646.6	646.0	645.3	645.1	645.1	645.2	645.4	645.5	646.1	646.8
167.5°	653.6	652.9	652.2	651.5	651.3	651.3	651.4	651.5	651.7	652.5	653.2
170°	657.0	656.3	655.5	654.7	654.4	654.4	654.6	654.7	654.8	655.7	656.6
172.5°	659.4	658.6	657.8	657.0	656.8	656.9	657.2	657.4	657.5	658.3	659.1
175°	662.0	661.3	660.7	660.0	659.8	659.9	660.0	660.1	660.2	661.1	661.9
177.5°	663.3	662.8	662.3	661.8	661.5	661.6	661.7	661.8	661.9	662.5	663.1
180°	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7	662.7



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0	1635.0
2.5°	1706.3	1706.3	1715.5	1714.9	1720.9	1718.7	1719.8
5°	1834.3	1845.7	1855.8	1862.4	1872.5	1875.3	1873.9
7.5°	1966.9	1992.3	2004.6	2021.5	2024.6	2033.5	2032.6
10°	2049.1	2073.9	2092.7	2107.5	2114.8	2124.3	2124.9
12.5°	2113.5	2134.6	2151.2	2164.9	2173.9	2176.9	2178.6
15°	2163.8	2187.3	2206.7	2226.2	2237.7	2246.3	2251.1
17.5°	2214.6	2250.8	2285.2	2311.6	2327.5	2340.9	2340.7
20°	2253.8	2295.3	2338.3	2368.5	2399.4	2412.8	2414.8
22.5°	2295.6	2359.2	2414.6	2461.4	2502.0	2515.9	2521.2
25°	2382.6	2465.8	2551.1	2616.8	2663.8	2691.3	2695.4
27.5°	2487.7	2600.3	2690.0	2750.7	2789.7	2810.1	2814.6
30°	2561.8	2665.8	2746.4	2792.1	2810.1	2812.8	2802.7
32.5°	2595.1	2672.8	2705.0	2702.3	2666.8	2643.2	2634.1
35°	2554.4	2538.3	2459.8	2365.9	2294.0	2248.4	2236.3
37.5°	2324.6	2185.7	2041.3	1899.3	1823.7	1785.3	1719.2
40°	2098.1	1900.1	1749.7	1630.2	1545.0	1476.5	1460.4
42.5°	1842.5	1638.1	1487.7	1385.4	1317.3	1270.4	1250.0
45°	1480.6	1304.8	1180.6	1102.1	1049.7	1015.5	1000.1
47.5°	1184.2	1048.1	957.6	899.5	859.6	829.8	821.5
50°	1021.5	912.7	836.3	787.3	757.1	734.3	724.9
52.5°	887.3	799.5	740.7	700.3	671.7	657.5	649.7
55°	732.2	656.4	614.2	581.9	565.8	554.4	549.0
57.5°	598.8	544.1	513.2	490.9	476.0	468.7	466.1
60°	524.2	481.2	453.1	435.6	425.5	416.1	413.5
62.5°	458.1	424.3	402.6	387.3	377.2	373.2	371.5
65°	369.1	347.0	330.9	321.5	313.4	312.1	311.4
67.5°	293.4	280.4	272.0	262.2	259.3	254.6	253.7
70°	251.0	242.3	232.2	228.9	225.5	220.8	221.4
72.5°	212.9	204.1	197.3	192.9	191.7	189.7	191.4
75°	155.7	153.0	150.3	147.0	145.7	145.7	145.0
77.5°	111.2	108.8	105.9	103.9	103.5	100.7	101.8
80°	80.5	77.1	75.9	76.5	74.5	73.8	73.8
82.5°	59.6	58.4	57.1	57.2	56.7	56.1	56.7
85°	32.9	32.2	32.2	31.5	31.5	30.9	30.9
87.5°	13.7	14.4	13.3	12.9	13.0	13.6	14.2
90°	9.5	10.1	10.5	10.8	11.1	11.5	11.8
92.5°	9.5	10.1	10.4	10.5	10.7	10.8	11.0
95°	9.5	10.1	10.3	10.3	10.3	10.3	10.3
97.5°	14.9	11.9	10.3	10.3	10.3	10.3	10.3
100°	36.7	20.4	12.1	11.6	11.2	10.8	10.3
102.5°	99.8	96.8	91.5	84.0	76.6	69.2	61.8
105°	146.4	146.4	146.4	146.2	146.1	146.0	145.9
107.5°	185.4	185.4	185.2	184.9	184.6	184.3	183.9
110°	210.3	209.9	209.8	209.9	210.0	210.2	210.3



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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	235.1	234.7	234.5	234.3	234.1	234.0	233.8
115°	272.8	272.3	271.8	271.1	270.5	269.8	269.2
117.5°	309.0	308.5	308.1	307.8	307.5	307.2	306.9
120°	332.9	332.7	332.3	331.7	331.2	330.6	330.1
122.5°	355.3	355.1	354.6	354.0	353.4	352.8	352.1
125°	387.7	387.3	386.9	386.6	386.2	386.0	385.6
127.5°	417.8	417.6	417.1	416.2	415.4	414.7	413.8
130°	437.2	436.9	436.4	435.9	435.3	434.8	434.3
132.5°	455.6	455.6	455.3	454.8	454.2	453.7	453.1
135°	482.2	482.0	481.6	481.0	480.3	479.6	479.0
137.5°	507.4	507.4	507.1	506.6	506.0	505.5	504.9
140°	522.8	523.1	522.8	522.2	521.5	520.9	520.2
142.5°	537.6	537.7	537.4	536.7	536.1	535.4	534.8
145°	558.9	559.0	558.7	558.0	557.4	556.7	556.0
147.5°	577.0	577.1	576.8	576.0	575.2	574.5	573.7
150°	588.7	588.8	588.6	587.7	586.8	585.9	585.0
152.5°	598.9	599.1	598.8	598.1	597.3	596.4	595.6
155°	613.0	613.4	613.1	612.3	611.4	610.5	609.6
157.5°	624.7	625.1	624.8	624.0	623.0	622.2	621.3
160°	632.1	632.5	632.2	631.4	630.5	629.6	628.8
162.5°	638.9	639.5	639.3	638.3	637.4	636.5	635.4
165°	647.5	648.1	648.0	647.1	646.3	645.4	644.5
167.5°	654.0	654.8	654.7	653.8	652.7	651.8	650.7
170°	657.5	658.3	658.2	657.3	656.3	655.3	654.4
172.5°	660.0	660.7	660.6	659.6	658.7	657.6	656.7
175°	662.8	663.7	663.7	662.7	661.7	660.7	659.7
177.5°	663.7	664.3	664.3	663.6	662.9	662.2	661.5
180°	662.7	662.7	662.7	662.7	662.7	662.7	662.7

(END OF REPORT)