

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: P333624

Luminaire Tested: **S125RDIP-S1270D810U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333624  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIP-S1270D810U835-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7830.2 lumens  
Efficiency: N/A  
Efficacy: 129.0 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

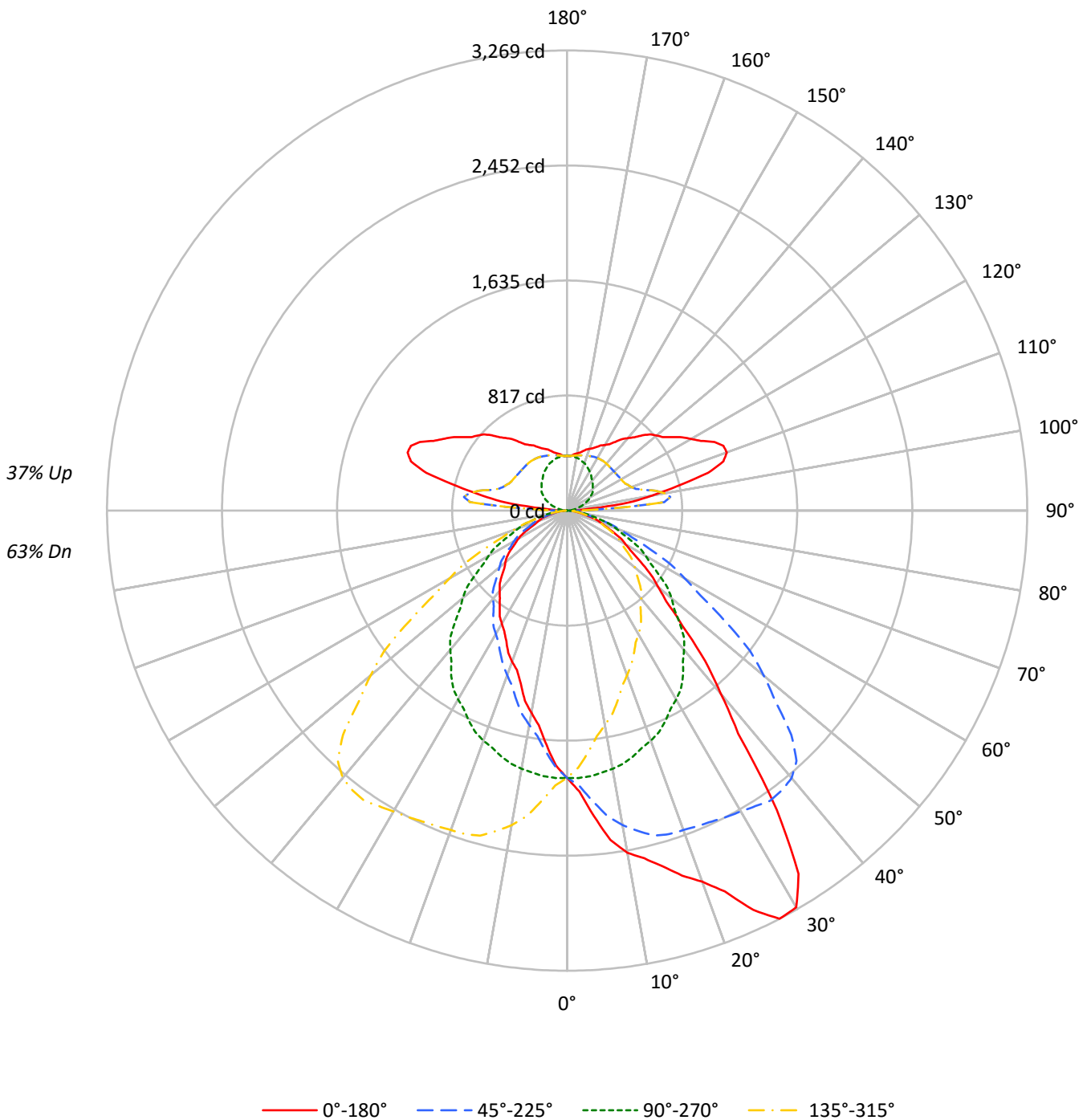
Input Watts (W): 60.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	110	110	110	110	103	103	103	103	90	90	90	79	79	79	68	68	68	63
1	101	97	93	90	95	91	88	85	80	78	76	70	68	67	61	60	58	54
2	93	85	79	74	87	80	75	71	71	67	63	62	59	57	54	52	50	46
3	85	75	68	62	79	71	65	60	63	58	54	55	52	48	48	46	43	40
4	78	67	59	53	73	63	56	51	56	51	46	50	45	42	44	40	37	34
5	72	60	52	46	67	57	49	44	51	45	40	45	40	36	39	36	33	30
6	66	54	46	40	62	51	44	38	46	40	35	41	36	32	36	32	29	26
7	61	49	41	35	57	46	39	34	42	36	31	37	32	29	33	29	26	24
8	57	45	37	31	53	42	35	30	38	32	28	34	29	26	30	26	23	21
9	53	41	33	28	50	39	32	27	35	29	25	31	26	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	17

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	12264	12264	12264	12264
5°	14110	12280	10845	12280
10°	16184	12218	9569	12218
15°	17481	12092	8506	12092
20°	19276	11947	7854	11947
25°	22308	11754	7288	11754
30°	24276	11551	6918	11551
35°	20478	11315	6576	11315
40°	14300	10890	6283	10890
45°	10609	10316	5994	10316
50°	8459	9720	5749	9720
55°	7179	8979	5530	8979
60°	6203	8317	5176	8317
65°	5527	7600	4455	7600
70°	4857	6962	4062	6962
75°	4202	6029	3813	6029
80°	3187	5073	3187	5073
85°	2660	3987	3001	3987



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.1	2.3
10°-20°	533.6	6.8
20°-30°	846.1	10.8
30°-40°	1020.3	13.0
40°-50°	911.2	11.6
50°-60°	698.8	8.9
60°-70°	454.1	5.8
70°-80°	220.8	2.8
80°-90°	54.9	0.7
90°-100°	281.1	3.6
100°-110°	604.3	7.7
110°-120°	567.1	7.2
120°-130°	459.6	5.9
130°-140°	368.8	4.7
140°-150°	278.3	3.6
150°-160°	195.9	2.5
160°-170°	115.5	1.5
170°-180°	37.6	0.5
0°-30°	1561.8	19.9
0°-40°	2582.2	33.0
0°-60°	4192.1	53.5
0°-90°	4921.9	62.9
90°-120°	1452.5	18.6
90°-150°	2559.3	32.7
90°-180°	2908.0	37.1
0°-180°	7830.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1899	1899	1899	1899	1899	
5°	2176	1894	1673	1894	2176	217
15°	2614	1808	1272	1808	2614	749
25°	3130	1649	1023	1649	3130	1437
35°	2597	1435	834	1435	2597	1569
45°	1162	1130	656	1130	1162	927
55°	638	797	491	797	638	579
65°	362	497	292	497	362	360
75°	168	242	153	242	168	179
85°	36	54	40	54	36	42
90°	18	1	18	1	18	14
95°	184	26	184	26	184	260
105°	1036	88	1036	88	1036	1030
115°	1154	158	1154	158	1154	1128
125°	909	219	909	219	909	823
135°	755	256	755	256	755	585
145°	596	299	596	299	596	379
155°	500	341	500	341	500	233
165°	438	372	438	372	438	125
175°	393	387	393	387	393	38
180°	388	388	388	388	388	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1997.4	1996.2	1998.7	1991.8	1992.4	1981.8	1981.8	1973.7	1963.1	1955.0	1951.3
5°	2176.4	2178.0	2174.8	2163.1	2155.4	2143.7	2130.4	2107.0	2087.5	2068.8	2054.0
7.5°	2360.7	2361.8	2351.5	2347.9	2328.2	2313.9	2284.4	2252.6	2224.4	2188.6	2161.1
10°	2467.9	2467.2	2456.2	2447.7	2430.5	2408.7	2379.9	2342.4	2307.4	2268.4	2231.0
12.5°	2530.3	2528.3	2524.8	2514.4	2498.5	2479.2	2454.7	2417.9	2374.7	2332.0	2288.3
15°	2614.5	2609.0	2598.9	2585.6	2563.0	2540.4	2513.1	2480.4	2439.1	2390.8	2350.2
17.5°	2718.6	2718.8	2703.2	2684.8	2654.1	2614.2	2572.1	2519.2	2463.1	2409.9	2366.8
20°	2804.7	2802.3	2786.8	2750.9	2715.8	2665.9	2617.6	2552.9	2484.3	2414.9	2361.1
22.5°	2928.2	2922.1	2905.9	2858.8	2804.4	2740.1	2666.2	2587.2	2504.3	2425.5	2354.9
25°	3130.5	3125.8	3093.9	3039.3	2962.9	2863.9	2767.3	2658.9	2539.7	2436.0	2350.2
27.5°	3269.0	3263.8	3240.1	3194.8	3124.3	3020.1	2889.3	2744.5	2595.6	2453.0	2329.3
30°	3255.2	3266.9	3263.8	3242.8	3189.8	3096.2	2975.4	2812.5	2635.5	2467.9	2320.6
32.5°	3059.4	3069.9	3097.3	3138.6	3141.7	3104.3	3014.1	2863.6	2680.4	2489.8	2313.7
35°	2597.3	2611.4	2664.4	2747.8	2856.9	2948.1	2966.8	2885.8	2721.3	2516.3	2303.5
37.5°	1996.8	2073.5	2118.1	2205.9	2370.8	2538.6	2699.9	2759.3	2689.3	2505.4	2286.8
40°	1696.2	1714.9	1794.4	1893.4	2032.2	2206.8	2436.8	2602.8	2608.2	2480.4	2260.6
42.5°	1451.8	1475.5	1530.0	1609.1	1727.9	1902.5	2139.9	2359.0	2460.5	2411.8	2226.3
45°	1161.5	1179.4	1219.2	1280.0	1371.2	1515.4	1719.6	1972.9	2174.1	2252.8	2134.3
47.5°	954.1	963.8	998.4	1044.7	1112.2	1217.3	1375.4	1595.3	1836.5	2005.7	1989.0
50°	841.9	852.8	879.3	914.4	971.3	1060.1	1186.4	1369.6	1618.3	1824.8	1866.2
52.5°	754.6	763.6	780.1	813.3	860.3	928.6	1030.5	1196.2	1420.0	1639.6	1735.2
55°	637.6	643.9	657.1	675.8	713.3	762.4	850.4	965.0	1145.9	1367.3	1507.6
57.5°	541.3	544.4	552.8	570.1	596.0	631.9	695.5	792.6	922.3	1121.7	1276.5
60°	480.2	483.3	494.2	505.9	526.2	558.9	608.8	676.6	801.3	965.8	1122.5
62.5°	431.5	433.4	438.1	449.8	467.6	492.8	532.1	587.4	686.6	831.1	979.1
65°	361.7	362.5	364.0	373.4	384.3	403.0	428.7	467.7	542.5	651.7	782.6
67.5°	294.7	295.7	301.2	304.5	315.9	325.7	340.8	370.6	423.3	496.9	598.7
70°	257.2	256.5	261.9	265.8	269.7	281.4	291.5	315.7	348.4	404.6	489.5
72.5°	222.3	220.3	222.6	224.0	229.2	237.1	247.3	262.1	287.3	326.0	391.0
75°	168.4	169.2	169.2	170.7	174.6	177.7	180.8	188.6	202.7	228.4	263.5
77.5°	118.2	116.9	120.2	120.7	123.0	126.4	129.1	132.2	138.0	148.6	166.7
80°	85.7	85.7	86.5	88.9	88.1	89.6	93.5	96.7	103.7	109.9	116.1
82.5°	65.8	65.2	65.9	66.4	66.3	67.8	69.2	69.8	72.5	75.6	80.0
85°	35.9	35.9	36.6	36.6	37.4	37.4	38.2	38.2	38.2	39.0	39.8
87.5°	17.3	16.7	15.9	15.9	16.5	17.5	16.7	15.9	15.8	15.6	15.9
90°	18.0	18.0	17.2	17.2	17.2	15.6	14.9	14.1	13.3	12.5	10.9
92.5°	49.9	51.1	52.2	54.1	64.1	75.7	100.6	138.6	204.1	252.1	256.1
95°	183.7	196.3	202.5	226.0	281.5	347.2	443.3	562.2	677.9	692.8	565.3
97.5°	444.1	454.1	476.8	520.6	568.9	660.2	753.9	837.3	857.7	739.8	504.8
100°	609.9	622.4	651.3	707.6	761.6	842.9	923.4	961.7	901.5	706.1	450.4
102.5°	795.0	804.4	835.8	875.9	933.6	988.6	1027.3	1003.6	875.3	646.6	409.1
105°	1036.0	1045.4	1061.0	1086.8	1111.9	1120.5	1086.1	978.9	791.3	566.9	369.1
107.5°	1163.9	1170.2	1175.3	1175.5	1162.8	1122.0	1033.7	890.7	705.6	512.0	352.2
110°	1206.5	1206.5	1201.0	1186.1	1150.9	1084.5	974.2	825.7	656.8	486.3	347.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	1201.5	1195.8	1182.2	1156.7	1105.3	1026.9	915.4	774.4	620.5	471.3	347.2
115°	1154.1	1143.9	1122.0	1084.5	1023.5	938.3	831.2	710.0	580.9	455.1	349.5
117.5°	1071.0	1064.8	1043.0	1004.3	943.3	865.1	772.8	668.4	557.3	447.1	354.7
120°	1017.2	1011.0	989.9	952.3	894.5	825.7	739.7	645.8	544.2	443.3	359.7
122.5°	969.7	964.1	943.0	908.6	857.0	792.5	715.9	629.0	532.9	440.2	364.0
125°	909.3	901.5	884.3	852.3	808.5	752.2	684.2	604.4	517.6	436.3	371.4
127.5°	857.7	854.3	838.0	809.7	770.0	717.3	653.8	579.4	503.5	434.4	379.7
130°	829.6	824.9	809.3	783.5	744.4	693.5	632.6	563.7	494.2	433.2	384.7
132.5°	801.4	796.1	781.7	755.9	716.8	667.9	612.5	548.1	486.7	433.2	390.3
135°	755.3	750.6	736.5	710.7	676.3	631.8	581.7	527.8	477.7	433.2	398.0
137.5°	706.1	700.9	687.9	664.5	633.6	595.8	554.2	510.6	469.8	434.1	405.0
140°	671.6	667.7	656.0	635.7	606.7	573.9	537.9	501.2	466.0	434.7	408.1
142.5°	639.7	636.5	625.4	608.2	583.6	555.1	524.2	493.1	462.9	435.4	410.0
145°	595.8	592.7	584.1	570.8	552.0	530.9	506.7	482.4	458.2	434.7	412.1
147.5°	558.6	557.2	552.2	541.5	526.7	510.7	492.1	472.4	453.3	432.7	412.8
150°	537.9	537.2	534.0	524.7	512.9	498.8	484.0	466.8	449.6	430.8	412.8
152.5°	521.7	520.9	517.8	510.3	500.4	489.5	475.9	460.5	445.2	428.3	412.2
155°	499.6	498.8	496.5	491.0	483.2	474.6	463.7	451.2	437.9	423.8	410.5
157.5°	479.9	480.1	477.9	473.4	467.3	460.5	452.1	441.8	431.0	419.1	408.5
160°	466.8	467.6	466.0	462.1	456.6	451.2	443.3	435.5	425.4	416.0	406.6
162.5°	454.9	455.1	454.7	451.5	447.2	442.4	435.8	428.6	420.3	412.2	404.7
165°	437.9	437.9	437.9	436.3	433.2	429.3	424.6	419.1	412.8	406.6	401.9
167.5°	422.2	422.4	423.0	421.6	420.0	417.2	413.6	410.0	405.5	401.1	397.5
170°	412.8	413.6	413.6	412.8	411.3	409.7	407.4	405.0	401.1	398.0	395.6
172.5°	404.1	404.9	406.1	404.7	404.4	403.5	401.7	399.4	396.7	394.2	393.1
175°	393.3	394.1	395.6	394.9	394.9	394.9	393.3	393.3	390.9	390.2	390.2
177.5°	387.8	387.8	389.7	389.1	389.7	389.7	389.7	389.1	388.4	387.8	387.8
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1951.3	1946.9	1938.8	1931.3	1922.0	1913.9	1908.2	1901.4	1892.7	1882.1	1873.3
5°	2037.6	2020.5	1997.9	1978.4	1953.5	1934.0	1913.7	1894.2	1874.7	1849.8	1828.0
7.5°	2133.4	2098.0	2063.5	2020.2	1980.9	1945.8	1912.1	1878.0	1844.6	1809.2	1775.1
10°	2192.0	2149.1	2101.6	2047.0	1997.1	1949.6	1905.9	1863.0	1817.8	1778.1	1735.2
12.5°	2246.9	2191.5	2137.1	2068.2	2008.3	1950.2	1894.7	1841.2	1792.9	1741.3	1695.3
15°	2296.4	2241.9	2181.1	2096.9	2013.5	1943.3	1877.8	1808.5	1748.4	1690.8	1639.3
17.5°	2315.6	2258.4	2187.8	2106.9	2015.7	1927.4	1843.1	1767.0	1696.4	1629.2	1571.3
20°	2308.1	2252.8	2180.3	2103.1	2005.7	1913.7	1822.5	1738.3	1659.6	1588.6	1527.1
22.5°	2290.1	2232.8	2162.8	2081.3	1988.8	1891.3	1793.8	1704.0	1621.5	1548.1	1480.9
25°	2262.9	2185.0	2113.3	2033.7	1945.7	1849.0	1748.4	1649.4	1561.4	1486.5	1413.3
27.5°	2234.7	2137.4	2046.2	1967.2	1874.1	1787.9	1690.9	1589.4	1496.8	1420.6	1345.4
30°	2209.1	2100.0	1999.4	1909.8	1821.7	1739.9	1647.9	1548.9	1453.8	1375.1	1298.7
32.5°	2177.3	2061.3	1950.8	1847.4	1762.5	1681.3	1598.0	1503.4	1410.8	1329.5	1251.9
35°	2137.4	1989.3	1869.3	1759.4	1665.0	1586.3	1511.5	1435.1	1342.3	1258.1	1182.5
37.5°	2085.0	1917.0	1778.1	1658.3	1558.9	1479.8	1420.7	1350.9	1266.2	1185.6	1115.5
40°	2053.2	1864.6	1712.6	1594.1	1489.6	1406.2	1350.9	1291.7	1214.5	1138.9	1068.7
42.5°	2010.8	1816.6	1646.5	1523.0	1417.9	1337.6	1281.7	1229.9	1165.2	1094.0	1018.8
45°	1927.7	1723.5	1545.0	1412.5	1306.5	1227.7	1175.5	1129.5	1080.4	1014.9	949.4
47.5°	1819.5	1626.4	1439.6	1294.9	1191.1	1118.0	1067.3	1031.0	995.9	940.2	876.6
50°	1732.9	1546.6	1364.1	1223.8	1113.1	1043.8	996.2	967.4	935.4	884.7	831.7
52.5°	1630.6	1464.2	1285.6	1142.1	1037.7	972.7	927.0	898.2	871.8	830.5	780.0
55°	1469.4	1323.6	1159.9	1029.7	933.9	868.4	824.7	797.4	781.9	746.8	707.0
57.5°	1283.4	1178.9	1034.6	909.1	824.3	759.6	727.6	704.4	686.8	662.0	633.9
60°	1153.7	1080.4	951.0	831.7	753.8	692.2	663.4	643.9	627.5	606.5	584.6
62.5°	1022.1	968.8	856.2	753.8	682.1	630.5	603.5	585.9	567.0	552.8	531.6
65°	845.8	798.2	720.3	640.0	573.7	532.4	512.9	497.3	485.6	470.0	455.2
67.5°	657.9	638.6	584.8	529.4	481.9	445.1	428.3	417.4	403.3	394.0	383.8
70°	542.5	533.2	495.0	458.4	413.9	389.0	373.4	368.7	351.6	342.2	335.2
72.5°	440.3	435.9	413.9	388.5	357.2	335.3	321.0	315.7	304.8	297.3	292.8
75°	301.7	303.2	299.3	283.0	271.3	257.2	244.8	241.6	233.9	227.6	223.7
77.5°	190.8	198.8	199.1	198.3	193.6	185.1	179.9	177.6	169.9	167.6	166.7
80°	131.0	139.5	147.3	146.5	145.0	142.7	138.8	136.4	132.5	130.2	128.6
82.5°	87.3	95.3	101.8	106.0	105.7	103.4	100.7	99.6	98.8	97.1	96.8
85°	41.3	42.9	45.2	50.7	54.6	55.3	54.6	53.8	51.4	52.2	53.0
87.5°	16.4	16.1	16.5	16.2	15.3	18.1	19.6	20.1	19.0	18.1	17.2
90°	10.2	8.6	7.8	6.3	4.7	3.1	1.6	0.8	1.6	3.1	4.7
92.5°	178.4	106.8	64.1	41.3	27.8	18.1	11.6	9.5	11.6	18.1	27.8
95°	349.5	177.5	93.8	58.6	41.4	32.8	26.6	25.8	26.6	32.8	41.4
97.5°	279.0	152.9	97.6	72.2	56.8	48.2	43.8	42.8	43.8	48.2	56.8
100°	253.3	151.7	106.3	82.9	68.0	59.4	56.3	54.7	56.3	59.4	68.0
102.5°	242.7	157.3	117.0	94.1	80.5	71.3	68.8	67.9	68.8	71.3	80.5
105°	238.5	168.9	134.5	112.6	100.1	92.3	88.4	88.4	88.4	92.3	100.1
107.5°	245.7	186.1	152.8	133.1	120.1	113.7	109.9	108.4	109.9	113.7	120.1
110°	252.6	198.6	166.5	146.2	134.5	127.4	124.3	122.8	124.3	127.4	134.5





TEST NUMBER: P333624

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	261.3	210.5	179.7	160.0	148.2	141.2	138.7	137.1	138.7	141.2	148.2
115°	274.4	229.1	200.2	180.6	168.9	161.9	159.5	157.9	159.5	161.9	168.9
117.5°	289.5	248.2	220.8	201.9	188.6	181.6	179.1	176.7	179.1	181.6	188.6
120°	299.5	261.9	234.6	215.0	201.7	194.7	191.6	189.2	191.6	194.7	201.7
122.5°	310.7	275.1	247.7	228.2	213.6	206.6	204.1	202.4	204.1	206.6	213.6
125°	326.0	292.4	266.6	246.3	231.4	224.4	220.5	218.9	220.5	224.4	231.4
127.5°	340.1	309.2	284.3	264.0	248.2	239.3	234.3	231.9	234.3	239.3	248.2
130°	349.5	319.8	295.6	275.2	258.8	248.6	242.4	240.0	242.4	248.6	258.8
132.5°	357.6	329.8	305.6	285.2	268.2	256.8	249.3	246.3	249.3	256.8	268.2
135°	369.1	343.3	319.0	297.9	281.5	269.0	259.6	256.5	259.6	269.0	281.5
137.5°	377.5	352.8	330.7	309.0	292.9	280.4	271.6	269.3	271.6	280.4	292.9
140°	383.1	359.7	337.0	315.9	301.0	288.5	279.1	276.8	279.1	288.5	301.0
142.5°	386.3	364.0	342.6	322.8	308.5	296.0	287.3	285.5	287.3	296.0	308.5
145°	390.9	371.4	351.1	333.1	319.0	308.1	300.2	298.7	300.2	308.1	319.0
147.5°	393.8	376.1	358.3	342.5	330.3	320.1	313.4	312.4	313.4	320.1	330.3
150°	395.6	379.2	362.0	348.7	337.8	327.6	322.1	320.6	322.1	327.6	337.8
152.5°	396.9	382.3	366.4	354.4	344.0	335.1	330.3	329.3	330.3	335.1	344.0
155°	398.0	385.5	372.2	361.2	353.4	345.6	340.9	340.9	340.9	345.6	353.4
157.5°	398.8	388.1	376.7	368.4	361.5	354.8	351.1	351.2	351.1	354.8	361.5
160°	398.8	389.4	379.2	372.2	365.9	360.5	357.3	358.1	357.3	360.5	365.9
162.5°	398.1	390.6	381.7	375.9	370.9	366.1	363.0	363.7	363.0	366.1	370.9
165°	397.2	390.9	384.7	380.0	376.9	373.0	370.6	372.2	370.6	373.0	376.9
167.5°	395.3	390.9	385.8	382.8	380.6	378.4	377.0	377.8	377.0	378.4	380.6
170°	394.1	390.9	387.0	384.7	383.1	381.6	380.8	381.6	380.8	381.6	383.1
172.5°	392.8	390.3	387.0	385.9	385.0	383.4	382.7	384.1	382.7	383.4	385.0
175°	390.9	389.4	387.0	387.0	387.0	386.3	385.5	387.0	385.5	386.3	387.0
177.5°	389.1	388.4	387.2	387.2	387.8	387.2	387.2	388.4	387.2	387.2	387.8
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P333624

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1867.1	1858.4	1852.1	1839.6	1830.9	1827.2	1820.3	1818.4	1825.3	1820.3	1819.7
5°	1811.6	1789.0	1771.1	1753.1	1733.6	1721.2	1702.5	1699.3	1694.7	1687.6	1686.1
7.5°	1745.0	1715.6	1692.5	1662.9	1637.1	1616.4	1593.0	1581.9	1575.9	1566.8	1554.7
10°	1700.1	1665.0	1633.9	1604.2	1572.3	1546.6	1523.2	1505.2	1493.5	1482.6	1478.0
12.5°	1655.8	1620.1	1580.2	1544.4	1508.7	1479.8	1453.9	1442.3	1429.3	1416.5	1405.6
15°	1587.1	1539.5	1495.9	1454.6	1424.2	1393.0	1368.0	1350.9	1331.4	1326.0	1304.9
17.5°	1514.1	1467.5	1416.4	1372.9	1337.6	1303.3	1275.9	1256.4	1241.8	1221.7	1212.0
20°	1468.6	1413.3	1363.4	1323.6	1284.6	1244.1	1216.0	1199.7	1185.6	1169.3	1161.5
22.5°	1420.0	1365.9	1314.7	1268.1	1228.5	1188.6	1168.6	1151.7	1135.7	1120.6	1110.3
25°	1348.6	1294.0	1240.2	1191.9	1150.6	1121.7	1098.3	1078.8	1070.3	1055.5	1044.5
27.5°	1277.9	1219.9	1164.1	1115.9	1083.5	1055.0	1035.8	1020.4	1004.9	992.0	982.5
30°	1232.4	1173.2	1112.4	1074.2	1039.9	1012.6	991.5	976.7	965.0	953.3	946.3
32.5°	1186.9	1125.8	1071.8	1030.5	998.1	974.5	952.9	938.7	926.4	913.4	905.2
35°	1113.9	1051.6	1007.9	967.4	935.4	913.6	898.8	878.5	868.4	859.0	850.4
37.5°	1046.1	988.1	940.9	905.3	877.6	855.9	836.7	825.8	813.3	804.9	797.8
40°	996.2	943.2	900.3	862.9	842.7	818.5	800.6	786.5	777.2	766.3	758.5
42.5°	951.3	902.1	860.4	826.8	801.5	781.1	763.8	749.7	737.9	730.1	723.5
45°	887.9	838.8	798.2	767.0	743.7	724.2	706.2	699.2	683.6	674.3	671.2
47.5°	822.2	778.3	739.1	710.4	686.4	668.0	651.2	636.9	628.3	619.1	614.1
50°	778.0	735.9	699.2	671.2	647.8	627.5	611.9	602.6	590.9	582.3	576.1
52.5°	733.7	694.7	658.1	631.2	611.0	590.7	573.3	563.9	552.8	547.4	543.0
55°	670.4	629.1	597.9	571.4	550.3	531.6	515.3	505.9	498.9	493.4	491.9
57.5°	598.7	565.9	536.9	513.1	491.2	473.6	459.3	450.4	444.2	443.4	438.7
60°	551.9	522.3	495.8	470.0	451.3	435.0	422.5	412.4	406.1	405.3	403.8
62.5°	505.1	476.7	452.1	429.5	412.7	396.9	385.1	373.7	370.0	366.1	362.6
65°	435.7	410.0	389.8	371.8	353.9	340.6	329.0	321.9	313.4	308.7	300.1
67.5°	367.6	347.7	328.2	313.1	299.0	286.4	276.7	266.3	260.5	256.8	250.5
70°	322.7	307.1	287.6	271.3	260.4	250.2	242.4	230.7	226.8	223.7	220.6
72.5°	280.3	266.6	250.2	237.0	226.1	216.5	207.5	202.0	198.2	195.0	193.2
75°	220.6	207.4	193.3	184.0	176.2	168.4	163.7	159.8	158.2	157.5	154.3
77.5°	162.0	155.0	143.7	136.3	131.1	128.0	123.8	121.8	121.6	118.2	117.1
80°	123.9	120.0	110.7	107.6	103.7	100.6	98.2	94.3	90.4	88.9	86.5
82.5°	92.1	88.2	84.5	79.5	76.2	74.4	72.0	70.6	71.1	68.9	67.8
85°	49.1	45.2	43.7	42.9	41.3	42.9	42.1	41.3	40.5	39.8	40.5
87.5°	16.8	17.2	16.7	18.2	16.5	17.5	17.6	17.2	17.3	17.5	17.2
90°	6.3	7.8	8.6	10.2	10.9	12.5	13.3	14.1	14.9	15.6	17.2
92.5°	41.3	64.1	106.8	178.4	256.1	252.1	204.1	138.6	100.6	75.7	64.1
95°	58.6	93.8	177.5	349.5	565.3	692.8	677.9	562.2	443.3	347.2	281.5
97.5°	72.2	97.6	152.9	279.0	504.8	739.8	857.7	837.3	753.9	660.2	568.9
100°	82.9	106.3	151.7	253.3	450.4	706.1	901.5	961.7	923.4	842.9	761.6
102.5°	94.1	117.0	157.3	242.7	409.1	646.6	875.3	1003.6	1027.3	988.6	933.6
105°	112.6	134.5	168.9	238.5	369.1	566.9	791.3	978.9	1086.1	1120.5	1111.9
107.5°	133.1	152.8	186.1	245.7	352.2	512.0	705.6	890.7	1033.7	1122.0	1162.8
110°	146.2	166.5	198.6	252.6	347.2	486.3	656.8	825.7	974.2	1084.5	1150.9



TEST NUMBER: P333624

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	160.0	179.7	210.5	261.3	347.2	471.3	620.5	774.4	915.4	1026.9	1105.3
115°	180.6	200.2	229.1	274.4	349.5	455.1	580.9	710.0	831.2	938.3	1023.5
117.5°	201.9	220.8	248.2	289.5	354.7	447.1	557.3	668.4	772.8	865.1	943.3
120°	215.0	234.6	261.9	299.5	359.7	443.3	544.2	645.8	739.7	825.7	894.5
122.5°	228.2	247.7	275.1	310.7	364.0	440.2	532.9	629.0	715.9	792.5	857.0
125°	246.3	266.6	292.4	326.0	371.4	436.3	517.6	604.4	684.2	752.2	808.5
127.5°	264.0	284.3	309.2	340.1	379.7	434.4	503.5	579.4	653.8	717.3	770.0
130°	275.2	295.6	319.8	349.5	384.7	433.2	494.2	563.7	632.6	693.5	744.4
132.5°	285.2	305.6	329.8	357.6	390.3	433.2	486.7	548.1	612.5	667.9	716.8
135°	297.9	319.0	343.3	369.1	398.0	433.2	477.7	527.8	581.7	631.8	676.3
137.5°	309.0	330.7	352.8	377.5	405.0	434.1	469.8	510.6	554.2	595.8	633.6
140°	315.9	337.0	359.7	383.1	408.1	434.7	466.0	501.2	537.9	573.9	606.7
142.5°	322.8	342.6	364.0	386.3	410.0	435.4	462.9	493.1	524.2	555.1	583.6
145°	333.1	351.1	371.4	390.9	412.1	434.7	458.2	482.4	506.7	530.9	552.0
147.5°	342.5	358.3	376.1	393.8	412.8	432.7	453.3	472.4	492.1	510.7	526.7
150°	348.7	362.0	379.2	395.6	412.8	430.8	449.6	466.8	484.0	498.8	512.9
152.5°	354.4	366.4	382.3	396.9	412.2	428.3	445.2	460.5	475.9	489.5	500.4
155°	361.2	372.2	385.5	398.0	410.5	423.8	437.9	451.2	463.7	474.6	483.2
157.5°	368.4	376.7	388.1	398.8	408.5	419.1	431.0	441.8	452.1	460.5	467.3
160°	372.2	379.2	389.4	398.8	406.6	416.0	425.4	435.5	443.3	451.2	456.6
162.5°	375.9	381.7	390.6	398.1	404.7	412.2	420.3	428.6	435.8	442.4	447.2
165°	380.0	384.7	390.9	397.2	401.9	406.6	412.8	419.1	424.6	429.3	433.2
167.5°	382.8	385.8	390.9	395.3	397.5	401.1	405.5	410.0	413.6	417.2	420.0
170°	384.7	387.0	390.9	394.1	395.6	398.0	401.1	405.0	407.4	409.7	411.3
172.5°	385.9	387.0	390.3	392.8	393.1	394.2	396.7	399.4	401.7	403.5	404.4
175°	387.0	387.0	389.4	390.9	390.2	390.2	390.9	393.3	393.3	394.9	394.9
177.5°	387.2	387.2	388.4	389.1	387.8	387.8	388.4	389.1	389.7	389.7	389.7
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P333624

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1819.1	1812.2	1810.3	1812.8	1810.3	1812.2	1819.1	1819.7	1820.3	1825.3	1818.4
5°	1678.3	1670.5	1674.4	1672.8	1674.4	1670.5	1678.3	1686.1	1687.6	1694.7	1699.3
7.5°	1554.5	1544.8	1534.5	1537.8	1534.5	1544.8	1554.5	1554.7	1566.8	1575.9	1581.9
10°	1467.8	1460.0	1455.3	1459.2	1455.3	1460.0	1467.8	1478.0	1482.6	1493.5	1505.2
12.5°	1394.9	1390.2	1386.1	1384.4	1386.1	1390.2	1394.9	1405.6	1416.5	1429.3	1442.3
15°	1295.5	1286.2	1282.3	1272.2	1282.3	1286.2	1295.5	1304.9	1326.0	1331.4	1350.9
17.5°	1204.0	1200.9	1190.8	1186.4	1190.8	1200.9	1204.0	1212.0	1221.7	1241.8	1256.4
20°	1149.8	1146.7	1136.5	1142.8	1136.5	1146.7	1149.8	1161.5	1169.3	1185.6	1199.7
22.5°	1104.9	1098.0	1094.7	1092.9	1094.7	1098.0	1104.9	1110.3	1120.6	1135.7	1151.7
25°	1041.4	1031.3	1027.4	1022.7	1027.4	1031.3	1041.4	1044.5	1055.5	1070.3	1078.8
27.5°	978.1	972.7	967.5	966.3	967.5	972.7	978.1	982.5	992.0	1004.9	1020.4
30°	937.0	931.5	927.6	927.6	927.6	931.5	937.0	946.3	953.3	965.0	976.7
32.5°	900.2	896.0	892.1	891.5	892.1	896.0	900.2	905.2	913.4	926.4	938.7
35°	846.6	840.3	838.8	834.1	838.8	840.3	846.6	850.4	859.0	868.4	878.5
37.5°	790.9	785.7	785.6	785.1	785.6	785.7	790.9	797.8	804.9	813.3	825.8
40°	755.3	751.4	750.7	745.2	750.7	751.4	755.3	758.5	766.3	777.2	786.5
42.5°	717.3	715.3	712.6	710.3	712.6	715.3	717.3	723.5	730.1	737.9	749.7
45°	665.7	660.2	660.2	656.3	660.2	660.2	665.7	671.2	674.3	683.6	699.2
47.5°	612.4	608.2	608.6	604.6	608.6	608.2	612.4	614.1	619.1	628.3	636.9
50°	576.8	574.5	573.7	572.2	573.7	574.5	576.8	576.1	582.3	590.9	602.6
52.5°	541.3	540.2	543.2	539.7	543.2	540.2	541.3	543.0	547.4	552.8	563.9
55°	493.4	491.1	495.8	491.1	495.8	491.1	493.4	491.9	493.4	498.9	505.9
57.5°	438.4	436.2	440.4	438.1	440.4	436.2	438.4	438.7	443.4	444.2	450.4
60°	402.2	397.6	399.9	400.7	399.9	397.6	402.2	403.8	405.3	406.1	412.4
62.5°	359.2	356.4	358.1	354.5	358.1	356.4	359.2	362.6	366.1	370.0	373.7
65°	298.6	296.2	293.1	291.5	293.1	296.2	298.6	300.1	308.7	313.4	321.9
67.5°	250.8	245.2	245.1	246.3	245.1	245.2	250.8	250.5	256.8	260.5	266.3
70°	215.9	215.9	215.1	215.1	215.1	215.9	215.9	220.6	223.7	226.8	230.7
72.5°	191.6	191.0	189.6	189.0	189.6	191.0	191.6	193.2	195.0	198.2	202.0
75°	154.3	155.1	153.6	152.8	153.6	155.1	154.3	154.3	157.5	158.2	159.8
77.5°	114.0	110.7	112.4	110.7	112.4	110.7	114.0	117.1	118.2	121.6	121.8
80°	86.5	85.7	88.1	85.7	88.1	85.7	86.5	86.5	88.9	90.4	94.3
82.5°	68.4	67.7	68.8	67.0	68.8	67.7	68.4	67.8	68.9	71.1	70.6
85°	41.3	40.5	39.8	40.5	39.8	40.5	41.3	40.5	39.8	40.5	41.3
87.5°	17.8	17.2	17.3	17.3	17.3	17.2	17.8	17.2	17.5	17.3	17.2
90°	17.2	17.2	18.0	18.0	18.0	17.2	17.2	17.2	15.6	14.9	14.1
92.5°	54.1	52.2	51.1	49.9	51.1	52.2	54.1	64.1	75.7	100.6	138.6
95°	226.0	202.5	196.3	183.7	196.3	202.5	226.0	281.5	347.2	443.3	562.2
97.5°	520.6	476.8	454.1	444.1	454.1	476.8	520.6	568.9	660.2	753.9	837.3
100°	707.6	651.3	622.4	609.9	622.4	651.3	707.6	761.6	842.9	923.4	961.7
102.5°	875.9	835.8	804.4	795.0	804.4	835.8	875.9	933.6	988.6	1027.3	1003.6
105°	1086.8	1061.0	1045.4	1036.0	1045.4	1061.0	1086.8	1111.9	1120.5	1086.1	978.9
107.5°	1175.5	1175.3	1170.2	1163.9	1170.2	1175.3	1175.5	1162.8	1122.0	1033.7	890.7
110°	1186.1	1201.0	1206.5	1206.5	1206.5	1201.0	1186.1	1150.9	1084.5	974.2	825.7



TEST NUMBER: P333624

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	1156.7	1182.2	1195.8	1201.5	1195.8	1182.2	1156.7	1105.3	1026.9	915.4	774.4
115°	1084.5	1122.0	1143.9	1154.1	1143.9	1122.0	1084.5	1023.5	938.3	831.2	710.0
117.5°	1004.3	1043.0	1064.8	1071.0	1064.8	1043.0	1004.3	943.3	865.1	772.8	668.4
120°	952.3	989.9	1011.0	1017.2	1011.0	989.9	952.3	894.5	825.7	739.7	645.8
122.5°	908.6	943.0	964.1	969.7	964.1	943.0	908.6	857.0	792.5	715.9	629.0
125°	852.3	884.3	901.5	909.3	901.5	884.3	852.3	808.5	752.2	684.2	604.4
127.5°	809.7	838.0	854.3	857.7	854.3	838.0	809.7	770.0	717.3	653.8	579.4
130°	783.5	809.3	824.9	829.6	824.9	809.3	783.5	744.4	693.5	632.6	563.7
132.5°	755.9	781.7	796.1	801.4	796.1	781.7	755.9	716.8	667.9	612.5	548.1
135°	710.7	736.5	750.6	755.3	750.6	736.5	710.7	676.3	631.8	581.7	527.8
137.5°	664.5	687.9	700.9	706.1	700.9	687.9	664.5	633.6	595.8	554.2	510.6
140°	635.7	656.0	667.7	671.6	667.7	656.0	635.7	606.7	573.9	537.9	501.2
142.5°	608.2	625.4	636.5	639.7	636.5	625.4	608.2	583.6	555.1	524.2	493.1
145°	570.8	584.1	592.7	595.8	592.7	584.1	570.8	552.0	530.9	506.7	482.4
147.5°	541.5	552.2	557.2	558.6	557.2	552.2	541.5	526.7	510.7	492.1	472.4
150°	524.7	534.0	537.2	537.9	537.2	534.0	524.7	512.9	498.8	484.0	466.8
152.5°	510.3	517.8	520.9	521.7	520.9	517.8	510.3	500.4	489.5	475.9	460.5
155°	491.0	496.5	498.8	499.6	498.8	496.5	491.0	483.2	474.6	463.7	451.2
157.5°	473.4	477.9	480.1	479.9	480.1	477.9	473.4	467.3	460.5	452.1	441.8
160°	462.1	466.0	467.6	466.8	467.6	466.0	462.1	456.6	451.2	443.3	435.5
162.5°	451.5	454.7	455.1	454.9	455.1	454.7	451.5	447.2	442.4	435.8	428.6
165°	436.3	437.9	437.9	437.9	437.9	437.9	436.3	433.2	429.3	424.6	419.1
167.5°	421.6	423.0	422.4	422.2	422.4	423.0	421.6	420.0	417.2	413.6	410.0
170°	412.8	413.6	413.6	412.8	413.6	413.6	412.8	411.3	409.7	407.4	405.0
172.5°	404.7	406.1	404.9	404.1	404.9	406.1	404.7	404.4	403.5	401.7	399.4
175°	394.9	395.6	394.1	393.3	394.1	395.6	394.9	394.9	394.9	393.3	393.3
177.5°	389.1	389.7	387.8	387.8	387.8	389.7	389.1	389.7	389.7	389.7	389.1
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P333624

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1820.3	1827.2	1830.9	1839.6	1852.1	1858.4	1867.1	1873.3	1882.1	1892.7	1901.4
5°	1702.5	1721.2	1733.6	1753.1	1771.1	1789.0	1811.6	1828.0	1849.8	1874.7	1894.2
7.5°	1593.0	1616.4	1637.1	1662.9	1692.5	1715.6	1745.0	1775.1	1809.2	1844.6	1878.0
10°	1523.2	1546.6	1572.3	1604.2	1633.9	1665.0	1700.1	1735.2	1778.1	1817.8	1863.0
12.5°	1453.9	1479.8	1508.7	1544.4	1580.2	1620.1	1655.8	1695.3	1741.3	1792.9	1841.2
15°	1368.0	1393.0	1424.2	1454.6	1495.9	1539.5	1587.1	1639.3	1690.8	1748.4	1808.5
17.5°	1275.9	1303.3	1337.6	1372.9	1416.4	1467.5	1514.1	1571.3	1629.2	1696.4	1767.0
20°	1216.0	1244.1	1284.6	1323.6	1363.4	1413.3	1468.6	1527.1	1588.6	1659.6	1738.3
22.5°	1168.6	1188.6	1228.5	1268.1	1314.7	1365.9	1420.0	1480.9	1548.1	1621.5	1704.0
25°	1098.3	1121.7	1150.6	1191.9	1240.2	1294.0	1348.6	1413.3	1486.5	1561.4	1649.4
27.5°	1035.8	1055.0	1083.5	1115.9	1164.1	1219.9	1277.9	1345.4	1420.6	1496.8	1589.4
30°	991.5	1012.6	1039.9	1074.2	1112.4	1173.2	1232.4	1298.7	1375.1	1453.8	1548.9
32.5°	952.9	974.5	998.1	1030.5	1071.8	1125.8	1186.9	1251.9	1329.5	1410.8	1503.4
35°	898.8	913.6	935.4	967.4	1007.9	1051.6	1113.9	1182.5	1258.1	1342.3	1435.1
37.5°	836.7	855.9	877.6	905.3	940.9	988.1	1046.1	1115.5	1185.6	1266.2	1350.9
40°	800.6	818.5	842.7	862.9	900.3	943.2	996.2	1068.7	1138.9	1214.5	1291.7
42.5°	763.8	781.1	801.5	826.8	860.4	902.1	951.3	1018.8	1094.0	1165.2	1229.9
45°	706.2	724.2	743.7	767.0	798.2	838.8	887.9	949.4	1014.9	1080.4	1129.5
47.5°	651.2	668.0	686.4	710.4	739.1	778.3	822.2	876.6	940.2	995.9	1031.0
50°	611.9	627.5	647.8	671.2	699.2	735.9	778.0	831.7	884.7	935.4	967.4
52.5°	573.3	590.7	611.0	631.2	658.1	694.7	733.7	780.0	830.5	871.8	898.2
55°	515.3	531.6	550.3	571.4	597.9	629.1	670.4	707.0	746.8	781.9	797.4
57.5°	459.3	473.6	491.2	513.1	536.9	565.9	598.7	633.9	662.0	686.8	704.4
60°	422.5	435.0	451.3	470.0	495.8	522.3	551.9	584.6	606.5	627.5	643.9
62.5°	385.1	396.9	412.7	429.5	452.1	476.7	505.1	531.6	552.8	567.0	585.9
65°	329.0	340.6	353.9	371.8	389.8	410.0	435.7	455.2	470.0	485.6	497.3
67.5°	276.7	286.4	299.0	313.1	328.2	347.7	367.6	383.8	394.0	403.3	417.4
70°	242.4	250.2	260.4	271.3	287.6	307.1	322.7	335.2	342.2	351.6	368.7
72.5°	207.5	216.5	226.1	237.0	250.2	266.6	280.3	292.8	297.3	304.8	315.7
75°	163.7	168.4	176.2	184.0	193.3	207.4	220.6	223.7	227.6	233.9	241.6
77.5°	123.8	128.0	131.1	136.3	143.7	155.0	162.0	166.7	167.6	169.9	177.6
80°	98.2	100.6	103.7	107.6	110.7	120.0	123.9	128.6	130.2	132.5	136.4
82.5°	72.0	74.4	76.2	79.5	84.5	88.2	92.1	96.8	97.1	98.8	99.6
85°	42.1	42.9	41.3	42.9	43.7	45.2	49.1	53.0	52.2	51.4	53.8
87.5°	17.6	17.5	16.5	18.2	16.7	17.2	16.8	17.2	18.1	19.0	20.1
90°	13.3	12.5	10.9	10.2	8.6	7.8	6.3	4.7	3.1	1.6	0.8
92.5°	204.1	252.1	256.1	178.4	106.8	64.1	41.3	27.8	18.1	11.6	9.5
95°	677.9	692.8	565.3	349.5	177.5	93.8	58.6	41.4	32.8	26.6	25.8
97.5°	857.7	739.8	504.8	279.0	152.9	97.6	72.2	56.8	48.2	43.8	42.8
100°	901.5	706.1	450.4	253.3	151.7	106.3	82.9	68.0	59.4	56.3	54.7
102.5°	875.3	646.6	409.1	242.7	157.3	117.0	94.1	80.5	71.3	68.8	67.9
105°	791.3	566.9	369.1	238.5	168.9	134.5	112.6	100.1	92.3	88.4	88.4
107.5°	705.6	512.0	352.2	245.7	186.1	152.8	133.1	120.1	113.7	109.9	108.4
110°	656.8	486.3	347.2	252.6	198.6	166.5	146.2	134.5	127.4	124.3	122.8



TEST NUMBER: P333624

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	620.5	471.3	347.2	261.3	210.5	179.7	160.0	148.2	141.2	138.7	137.1
115°	580.9	455.1	349.5	274.4	229.1	200.2	180.6	168.9	161.9	159.5	157.9
117.5°	557.3	447.1	354.7	289.5	248.2	220.8	201.9	188.6	181.6	179.1	176.7
120°	544.2	443.3	359.7	299.5	261.9	234.6	215.0	201.7	194.7	191.6	189.2
122.5°	532.9	440.2	364.0	310.7	275.1	247.7	228.2	213.6	206.6	204.1	202.4
125°	517.6	436.3	371.4	326.0	292.4	266.6	246.3	231.4	224.4	220.5	218.9
127.5°	503.5	434.4	379.7	340.1	309.2	284.3	264.0	248.2	239.3	234.3	231.9
130°	494.2	433.2	384.7	349.5	319.8	295.6	275.2	258.8	248.6	242.4	240.0
132.5°	486.7	433.2	390.3	357.6	329.8	305.6	285.2	268.2	256.8	249.3	246.3
135°	477.7	433.2	398.0	369.1	343.3	319.0	297.9	281.5	269.0	259.6	256.5
137.5°	469.8	434.1	405.0	377.5	352.8	330.7	309.0	292.9	280.4	271.6	269.3
140°	466.0	434.7	408.1	383.1	359.7	337.0	315.9	301.0	288.5	279.1	276.8
142.5°	462.9	435.4	410.0	386.3	364.0	342.6	322.8	308.5	296.0	287.3	285.5
145°	458.2	434.7	412.1	390.9	371.4	351.1	333.1	319.0	308.1	300.2	298.7
147.5°	453.3	432.7	412.8	393.8	376.1	358.3	342.5	330.3	320.1	313.4	312.4
150°	449.6	430.8	412.8	395.6	379.2	362.0	348.7	337.8	327.6	322.1	320.6
152.5°	445.2	428.3	412.2	396.9	382.3	366.4	354.4	344.0	335.1	330.3	329.3
155°	437.9	423.8	410.5	398.0	385.5	372.2	361.2	353.4	345.6	340.9	340.9
157.5°	431.0	419.1	408.5	398.8	388.1	376.7	368.4	361.5	354.8	351.1	351.2
160°	425.4	416.0	406.6	398.8	389.4	379.2	372.2	365.9	360.5	357.3	358.1
162.5°	420.3	412.2	404.7	398.1	390.6	381.7	375.9	370.9	366.1	363.0	363.7
165°	412.8	406.6	401.9	397.2	390.9	384.7	380.0	376.9	373.0	370.6	372.2
167.5°	405.5	401.1	397.5	395.3	390.9	385.8	382.8	380.6	378.4	377.0	377.8
170°	401.1	398.0	395.6	394.1	390.9	387.0	384.7	383.1	381.6	380.8	381.6
172.5°	396.7	394.2	393.1	392.8	390.3	387.0	385.9	385.0	383.4	382.7	384.1
175°	390.9	390.2	390.2	390.9	389.4	387.0	387.0	387.0	386.3	385.5	387.0
177.5°	388.4	387.8	387.8	389.1	388.4	387.2	387.2	387.8	387.2	387.2	388.4
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P333624

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1908.2	1913.9	1922.0	1931.3	1938.8	1946.9	1951.3	1951.3	1955.0	1963.1	1973.7
5°	1913.7	1934.0	1953.5	1978.4	1997.9	2020.5	2037.6	2054.0	2068.8	2087.5	2107.0
7.5°	1912.1	1945.8	1980.9	2020.2	2063.5	2098.0	2133.4	2161.1	2188.6	2224.4	2252.6
10°	1905.9	1949.6	1997.1	2047.0	2101.6	2149.1	2192.0	2231.0	2268.4	2307.4	2342.4
12.5°	1894.7	1950.2	2008.3	2068.2	2137.1	2191.5	2246.9	2288.3	2332.0	2374.7	2417.9
15°	1877.8	1943.3	2013.5	2096.9	2181.1	2241.9	2296.4	2350.2	2390.8	2439.1	2480.4
17.5°	1843.1	1927.4	2015.7	2106.9	2187.8	2258.4	2315.6	2366.8	2409.9	2463.1	2519.2
20°	1822.5	1913.7	2005.7	2103.1	2180.3	2252.8	2308.1	2361.1	2414.9	2484.3	2552.9
22.5°	1793.8	1891.3	1988.8	2081.3	2162.8	2232.8	2290.1	2354.9	2425.5	2504.3	2587.2
25°	1748.4	1849.0	1945.7	2033.7	2113.3	2185.0	2262.9	2350.2	2436.0	2539.7	2658.9
27.5°	1690.9	1787.9	1874.1	1967.2	2046.2	2137.4	2234.7	2329.3	2453.0	2595.6	2744.5
30°	1647.9	1739.9	1821.7	1909.8	1999.4	2100.0	2209.1	2320.6	2467.9	2635.5	2812.5
32.5°	1598.0	1681.3	1762.5	1847.4	1950.8	2061.3	2177.3	2313.7	2489.8	2680.4	2863.6
35°	1511.5	1586.3	1665.0	1759.4	1869.3	1989.3	2137.4	2303.5	2516.3	2721.3	2885.8
37.5°	1420.7	1479.8	1558.9	1658.3	1778.1	1917.0	2085.0	2286.8	2505.4	2689.3	2759.3
40°	1350.9	1406.2	1489.6	1594.1	1712.6	1864.6	2053.2	2260.6	2480.4	2608.2	2602.8
42.5°	1281.7	1337.6	1417.9	1523.0	1646.5	1816.6	2010.8	2226.3	2411.8	2460.5	2359.0
45°	1175.5	1227.7	1306.5	1412.5	1545.0	1723.5	1927.7	2134.3	2252.8	2174.1	1972.9
47.5°	1067.3	1118.0	1191.1	1294.9	1439.6	1626.4	1819.5	1989.0	2005.7	1836.5	1595.3
50°	996.2	1043.8	1113.1	1223.8	1364.1	1546.6	1732.9	1866.2	1824.8	1618.3	1369.6
52.5°	927.0	972.7	1037.7	1142.1	1285.6	1464.2	1630.6	1735.2	1639.6	1420.0	1196.2
55°	824.7	868.4	933.9	1029.7	1159.9	1323.6	1469.4	1507.6	1367.3	1145.9	965.0
57.5°	727.6	759.6	824.3	909.1	1034.6	1178.9	1283.4	1276.5	1121.7	922.3	792.6
60°	663.4	692.2	753.8	831.7	951.0	1080.4	1153.7	1122.5	965.8	801.3	676.6
62.5°	603.5	630.5	682.1	753.8	856.2	968.8	1022.1	979.1	831.1	686.6	587.4
65°	512.9	532.4	573.7	640.0	720.3	798.2	845.8	782.6	651.7	542.5	467.7
67.5°	428.3	445.1	481.9	529.4	584.8	638.6	657.9	598.7	496.9	423.3	370.6
70°	373.4	389.0	413.9	458.4	495.0	533.2	542.5	489.5	404.6	348.4	315.7
72.5°	321.0	335.3	357.2	388.5	413.9	435.9	440.3	391.0	326.0	287.3	262.1
75°	244.8	257.2	271.3	283.0	299.3	303.2	301.7	263.5	228.4	202.7	188.6
77.5°	179.9	185.1	193.6	198.3	199.1	198.8	190.8	166.7	148.6	138.0	132.2
80°	138.8	142.7	145.0	146.5	147.3	139.5	131.0	116.1	109.9	103.7	96.7
82.5°	100.7	103.4	105.7	106.0	101.8	95.3	87.3	80.0	75.6	72.5	69.8
85°	54.6	55.3	54.6	50.7	45.2	42.9	41.3	39.8	39.0	38.2	38.2
87.5°	19.6	18.1	15.3	16.2	16.5	16.1	16.4	15.9	15.6	15.8	15.9
90°	1.6	3.1	4.7	6.3	7.8	8.6	10.2	10.9	12.5	13.3	14.1
92.5°	11.6	18.1	27.8	41.3	64.1	106.8	178.4	256.1	252.1	204.1	138.6
95°	26.6	32.8	41.4	58.6	93.8	177.5	349.5	565.3	692.8	677.9	562.2
97.5°	43.8	48.2	56.8	72.2	97.6	152.9	279.0	504.8	739.8	857.7	837.3
100°	56.3	59.4	68.0	82.9	106.3	151.7	253.3	450.4	706.1	901.5	961.7
102.5°	68.8	71.3	80.5	94.1	117.0	157.3	242.7	409.1	646.6	875.3	1003.6
105°	88.4	92.3	100.1	112.6	134.5	168.9	238.5	369.1	566.9	791.3	978.9
107.5°	109.9	113.7	120.1	133.1	152.8	186.1	245.7	352.2	512.0	705.6	890.7
110°	124.3	127.4	134.5	146.2	166.5	198.6	252.6	347.2	486.3	656.8	825.7





TEST NUMBER: P333624

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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	138.7	141.2	148.2	160.0	179.7	210.5	261.3	347.2	471.3	620.5	774.4
115°	159.5	161.9	168.9	180.6	200.2	229.1	274.4	349.5	455.1	580.9	710.0
117.5°	179.1	181.6	188.6	201.9	220.8	248.2	289.5	354.7	447.1	557.3	668.4
120°	191.6	194.7	201.7	215.0	234.6	261.9	299.5	359.7	443.3	544.2	645.8
122.5°	204.1	206.6	213.6	228.2	247.7	275.1	310.7	364.0	440.2	532.9	629.0
125°	220.5	224.4	231.4	246.3	266.6	292.4	326.0	371.4	436.3	517.6	604.4
127.5°	234.3	239.3	248.2	264.0	284.3	309.2	340.1	379.7	434.4	503.5	579.4
130°	242.4	248.6	258.8	275.2	295.6	319.8	349.5	384.7	433.2	494.2	563.7
132.5°	249.3	256.8	268.2	285.2	305.6	329.8	357.6	390.3	433.2	486.7	548.1
135°	259.6	269.0	281.5	297.9	319.0	343.3	369.1	398.0	433.2	477.7	527.8
137.5°	271.6	280.4	292.9	309.0	330.7	352.8	377.5	405.0	434.1	469.8	510.6
140°	279.1	288.5	301.0	315.9	337.0	359.7	383.1	408.1	434.7	466.0	501.2
142.5°	287.3	296.0	308.5	322.8	342.6	364.0	386.3	410.0	435.4	462.9	493.1
145°	300.2	308.1	319.0	333.1	351.1	371.4	390.9	412.1	434.7	458.2	482.4
147.5°	313.4	320.1	330.3	342.5	358.3	376.1	393.8	412.8	432.7	453.3	472.4
150°	322.1	327.6	337.8	348.7	362.0	379.2	395.6	412.8	430.8	449.6	466.8
152.5°	330.3	335.1	344.0	354.4	366.4	382.3	396.9	412.2	428.3	445.2	460.5
155°	340.9	345.6	353.4	361.2	372.2	385.5	398.0	410.5	423.8	437.9	451.2
157.5°	351.1	354.8	361.5	368.4	376.7	388.1	398.8	408.5	419.1	431.0	441.8
160°	357.3	360.5	365.9	372.2	379.2	389.4	398.8	406.6	416.0	425.4	435.5
162.5°	363.0	366.1	370.9	375.9	381.7	390.6	398.1	404.7	412.2	420.3	428.6
165°	370.6	373.0	376.9	380.0	384.7	390.9	397.2	401.9	406.6	412.8	419.1
167.5°	377.0	378.4	380.6	382.8	385.8	390.9	395.3	397.5	401.1	405.5	410.0
170°	380.8	381.6	383.1	384.7	387.0	390.9	394.1	395.6	398.0	401.1	405.0
172.5°	382.7	383.4	385.0	385.9	387.0	390.3	392.8	393.1	394.2	396.7	399.4
175°	385.5	386.3	387.0	387.0	387.0	389.4	390.9	390.2	390.2	390.9	393.3
177.5°	387.2	387.2	387.8	387.2	387.2	388.4	389.1	387.8	387.8	388.4	389.1
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8	387.8



TEST NUMBER: P333624

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9	1898.9
2.5°	1981.8	1981.8	1992.4	1991.8	1998.7	1996.2	1997.4
5°	2130.4	2143.7	2155.4	2163.1	2174.8	2178.0	2176.4
7.5°	2284.4	2313.9	2328.2	2347.9	2351.5	2361.8	2360.7
10°	2379.9	2408.7	2430.5	2447.7	2456.2	2467.2	2467.9
12.5°	2454.7	2479.2	2498.5	2514.4	2524.8	2528.3	2530.3
15°	2513.1	2540.4	2563.0	2585.6	2598.9	2609.0	2614.5
17.5°	2572.1	2614.2	2654.1	2684.8	2703.2	2718.8	2718.6
20°	2617.6	2665.9	2715.8	2750.9	2786.8	2802.3	2804.7
22.5°	2666.2	2740.1	2804.4	2858.8	2905.9	2922.1	2928.2
25°	2767.3	2863.9	2962.9	3039.3	3093.9	3125.8	3130.5
27.5°	2889.3	3020.1	3124.3	3194.8	3240.1	3263.8	3269.0
30°	2975.4	3096.2	3189.8	3242.8	3263.8	3266.9	3255.2
32.5°	3014.1	3104.3	3141.7	3138.6	3097.3	3069.9	3059.4
35°	2966.8	2948.1	2856.9	2747.8	2664.4	2611.4	2597.3
37.5°	2699.9	2538.6	2370.8	2205.9	2118.1	2073.5	1996.8
40°	2436.8	2206.8	2032.2	1893.4	1794.4	1714.9	1696.2
42.5°	2139.9	1902.5	1727.9	1609.1	1530.0	1475.5	1451.8
45°	1719.6	1515.4	1371.2	1280.0	1219.2	1179.4	1161.5
47.5°	1375.4	1217.3	1112.2	1044.7	998.4	963.8	954.1
50°	1186.4	1060.1	971.3	914.4	879.3	852.8	841.9
52.5°	1030.5	928.6	860.3	813.3	780.1	763.6	754.6
55°	850.4	762.4	713.3	675.8	657.1	643.9	637.6
57.5°	695.5	631.9	596.0	570.1	552.8	544.4	541.3
60°	608.8	558.9	526.2	505.9	494.2	483.3	480.2
62.5°	532.1	492.8	467.6	449.8	438.1	433.4	431.5
65°	428.7	403.0	384.3	373.4	364.0	362.5	361.7
67.5°	340.8	325.7	315.9	304.5	301.2	295.7	294.7
70°	291.5	281.4	269.7	265.8	261.9	256.5	257.2
72.5°	247.3	237.1	229.2	224.0	222.6	220.3	222.3
75°	180.8	177.7	174.6	170.7	169.2	169.2	168.4
77.5°	129.1	126.4	123.0	120.7	120.2	116.9	118.2
80°	93.5	89.6	88.1	88.9	86.5	85.7	85.7
82.5°	69.2	67.8	66.3	66.4	65.9	65.2	65.8
85°	38.2	37.4	37.4	36.6	36.6	35.9	35.9
87.5°	16.7	17.5	16.5	15.9	15.9	16.7	17.3
90°	14.9	15.6	17.2	17.2	17.2	18.0	18.0
92.5°	100.6	75.7	64.1	54.1	52.2	51.1	49.9
95°	443.3	347.2	281.5	226.0	202.5	196.3	183.7
97.5°	753.9	660.2	568.9	520.6	476.8	454.1	444.1
100°	923.4	842.9	761.6	707.6	651.3	622.4	609.9
102.5°	1027.3	988.6	933.6	875.9	835.8	804.4	795.0
105°	1086.1	1120.5	1111.9	1086.8	1061.0	1045.4	1036.0
107.5°	1033.7	1122.0	1162.8	1175.5	1175.3	1170.2	1163.9
110°	974.2	1084.5	1150.9	1186.1	1201.0	1206.5	1206.5



TEST NUMBER: P333624

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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	915.4	1026.9	1105.3	1156.7	1182.2	1195.8	1201.5
115°	831.2	938.3	1023.5	1084.5	1122.0	1143.9	1154.1
117.5°	772.8	865.1	943.3	1004.3	1043.0	1064.8	1071.0
120°	739.7	825.7	894.5	952.3	989.9	1011.0	1017.2
122.5°	715.9	792.5	857.0	908.6	943.0	964.1	969.7
125°	684.2	752.2	808.5	852.3	884.3	901.5	909.3
127.5°	653.8	717.3	770.0	809.7	838.0	854.3	857.7
130°	632.6	693.5	744.4	783.5	809.3	824.9	829.6
132.5°	612.5	667.9	716.8	755.9	781.7	796.1	801.4
135°	581.7	631.8	676.3	710.7	736.5	750.6	755.3
137.5°	554.2	595.8	633.6	664.5	687.9	700.9	706.1
140°	537.9	573.9	606.7	635.7	656.0	667.7	671.6
142.5°	524.2	555.1	583.6	608.2	625.4	636.5	639.7
145°	506.7	530.9	552.0	570.8	584.1	592.7	595.8
147.5°	492.1	510.7	526.7	541.5	552.2	557.2	558.6
150°	484.0	498.8	512.9	524.7	534.0	537.2	537.9
152.5°	475.9	489.5	500.4	510.3	517.8	520.9	521.7
155°	463.7	474.6	483.2	491.0	496.5	498.8	499.6
157.5°	452.1	460.5	467.3	473.4	477.9	480.1	479.9
160°	443.3	451.2	456.6	462.1	466.0	467.6	466.8
162.5°	435.8	442.4	447.2	451.5	454.7	455.1	454.9
165°	424.6	429.3	433.2	436.3	437.9	437.9	437.9
167.5°	413.6	417.2	420.0	421.6	423.0	422.4	422.2
170°	407.4	409.7	411.3	412.8	413.6	413.6	412.8
172.5°	401.7	403.5	404.4	404.7	406.1	404.9	404.1
175°	393.3	394.9	394.9	394.9	395.6	394.1	393.3
177.5°	389.7	389.7	389.7	389.1	389.7	387.8	387.8
180°	387.8	387.8	387.8	387.8	387.8	387.8	387.8

(END OF REPORT)