

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: P333612

Luminaire Tested: **S125RDIP-S1270D365U835-4F0-1E-UDD-A4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333612  
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-S1270D365U835-4F0-1E-UDD-A4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6235.3 lumens  
Efficiency: N/A  
Efficacy: 125.2 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

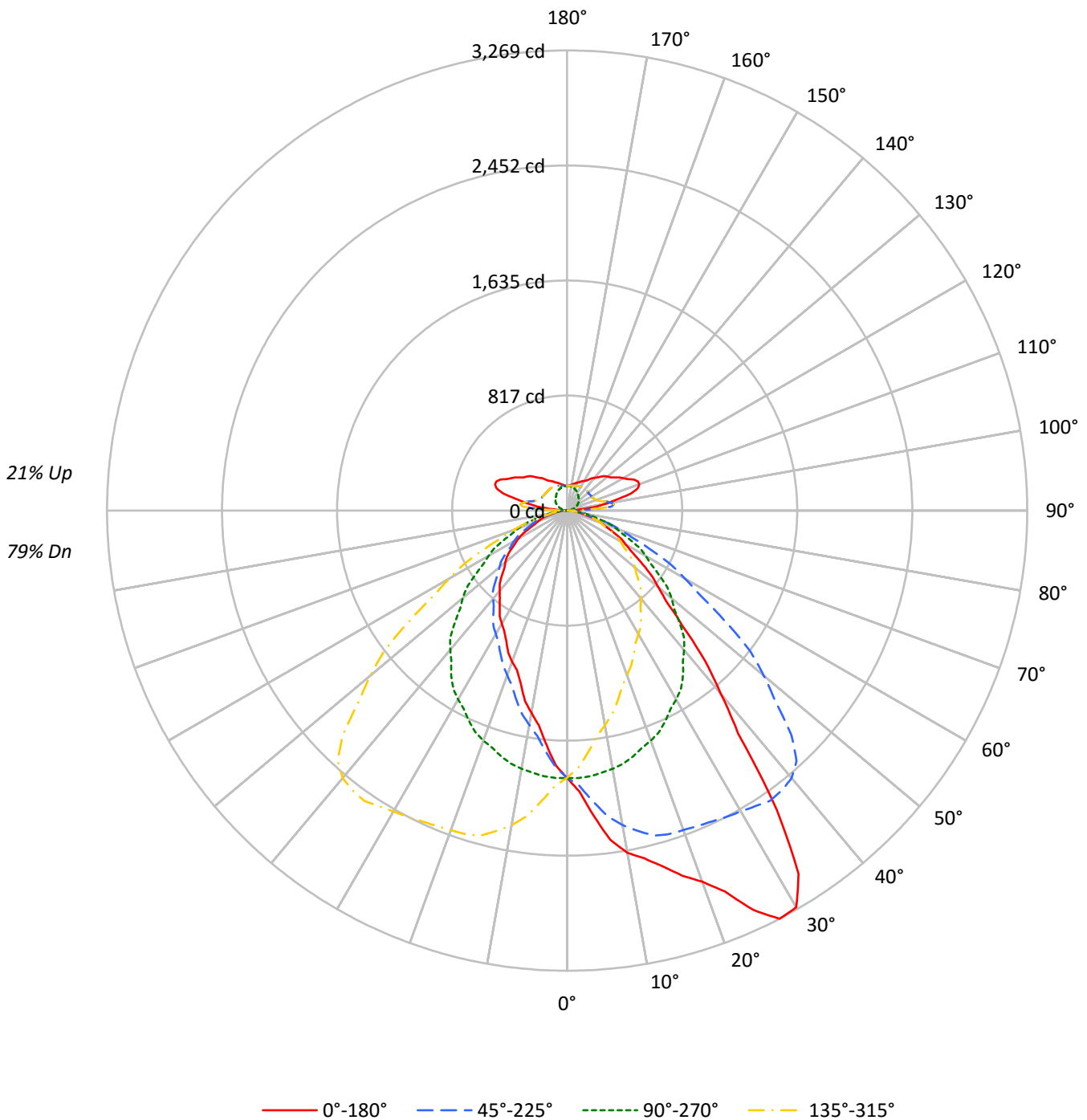
Input Watts (W): 49.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	114	114	114	114	109	109	109	109	99	99	99	91	91	91	83	83	83	79
1	105	101	97	93	100	96	93	90	88	86	83	81	79	77	74	73	71	68
2	96	89	83	77	92	85	80	75	78	74	70	72	68	65	66	63	61	58
3	88	79	71	65	84	75	69	63	70	64	60	64	60	56	59	56	53	50
4	81	70	62	56	77	67	60	54	62	56	51	58	53	49	53	49	46	43
5	75	63	54	48	71	60	53	47	56	50	45	52	47	42	48	44	40	38
6	69	57	48	42	66	55	47	41	51	44	39	47	42	37	44	39	36	33
7	64	51	43	38	61	50	42	37	46	40	35	43	37	33	40	35	32	30
8	60	47	39	33	57	45	38	33	42	36	31	39	34	30	37	32	29	26
9	56	43	35	30	53	42	34	29	39	33	28	36	31	27	34	29	26	24
10	52	40	32	27	50	38	31	27	36	30	26	34	28	25	32	27	24	22

**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	2.9
10°-20°	533.6	8.6
20°-30°	846.1	13.6
30°-40°	1020.3	16.4
40°-50°	911.2	14.6
50°-60°	698.8	11.2
60°-70°	454.1	7.3
70°-80°	220.8	3.5
80°-90°	53.7	0.9
90°-100°	127.1	2.0
100°-110°	273.1	4.4
110°-120°	256.3	4.1
120°-130°	207.7	3.3
130°-140°	166.7	2.7
140°-150°	125.8	2.0
150°-160°	88.6	1.4
160°-170°	52.2	0.8
170°-180°	17.0	0.3
0°-30°	1561.8	25.0
0°-40°	2582.2	41.4
0°-60°	4192.1	67.2
0°-90°	4920.7	78.9
90°-120°	656.5	10.5
90°-150°	1156.8	18.6
90°-180°	1315.0	21.1
0°-180°	6235.3	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	41
90°	8	0	8	0	8	7
95°	83	12	83	12	83	118
105°	468	40	468	40	468	465
115°	522	71	522	71	522	510
125°	411	99	411	99	411	372
135°	341	116	341	116	341	265
145°	269	135	269	135	269	171
155°	226	154	226	154	226	105
165°	198	168	198	168	198	57
175°	178	175	178	175	178	17
180°	175	175	175	175	175	



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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°	15.3	14.7	14.0	14.0	14.7	15.8	15.1	14.4	14.3	14.2	14.7
90°	8.1	8.1	7.8	7.8	7.8	7.1	6.7	6.4	6.0	5.7	4.9
92.5°	22.5	23.1	23.6	24.5	29.0	34.2	45.4	62.6	92.2	113.9	115.8
95°	83.1	88.7	91.5	102.1	127.2	156.9	200.4	254.1	306.4	313.1	255.5
97.5°	200.7	205.3	215.5	235.3	257.1	298.4	340.8	378.4	387.7	334.4	228.2
100°	275.7	281.3	294.4	319.8	344.2	381.0	417.4	434.7	407.5	319.1	203.6
102.5°	359.4	363.6	377.8	395.9	422.0	446.9	464.3	453.6	395.6	292.3	184.9
105°	468.3	472.5	479.6	491.2	502.6	506.4	490.9	442.5	357.7	256.2	166.8
107.5°	526.1	528.9	531.3	531.3	525.6	507.1	467.2	402.6	318.9	231.4	159.2
110°	545.3	545.3	542.8	536.1	520.2	490.2	440.4	373.2	296.9	219.8	156.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	543.1	540.5	534.4	522.8	499.6	464.2	413.8	350.0	280.5	213.0	156.9
115°	521.6	517.0	507.1	490.2	462.6	424.1	375.7	320.9	262.6	205.7	158.0
117.5°	484.1	481.3	471.5	453.9	426.4	391.0	349.3	302.1	251.9	202.1	160.3
120°	459.8	457.0	447.4	430.5	404.3	373.2	334.3	291.9	246.0	200.4	162.6
122.5°	438.3	435.8	426.2	410.7	387.3	358.2	323.6	284.3	240.9	199.0	164.5
125°	411.0	407.5	399.7	385.2	365.4	340.0	309.2	273.2	234.0	197.2	167.9
127.5°	387.7	386.1	378.8	366.0	348.0	324.2	295.5	261.9	227.6	196.4	171.6
130°	375.0	372.9	365.8	354.1	336.5	313.5	285.9	254.8	223.4	195.8	173.9
132.5°	362.2	359.8	353.3	341.7	324.0	301.9	276.9	247.7	220.0	195.8	176.4
135°	341.4	339.3	332.9	321.3	305.7	285.6	262.9	238.6	215.9	195.8	179.9
137.5°	319.1	316.8	310.9	300.3	286.4	269.3	250.5	230.8	212.3	196.2	183.1
140°	303.6	301.8	296.5	287.3	274.2	259.4	243.1	226.5	210.6	196.5	184.5
142.5°	289.2	287.7	282.7	274.9	263.8	250.9	236.9	222.9	209.2	196.8	185.3
145°	269.3	267.9	264.0	258.0	249.5	240.0	229.0	218.1	207.1	196.5	186.2
147.5°	252.5	251.8	249.6	244.8	238.1	230.9	222.4	213.5	204.9	195.6	186.6
150°	243.1	242.8	241.4	237.1	231.8	225.5	218.8	211.0	203.2	194.7	186.6
152.5°	235.8	235.4	234.0	230.6	226.2	221.2	215.1	208.2	201.2	193.6	186.3
155°	225.8	225.5	224.4	221.9	218.4	214.5	209.6	203.9	197.9	191.6	185.5
157.5°	216.9	217.0	216.0	214.0	211.2	208.2	204.3	199.7	194.8	189.4	184.6
160°	211.0	211.3	210.6	208.9	206.4	203.9	200.4	196.9	192.3	188.0	183.8
162.5°	205.6	205.7	205.5	204.1	202.2	200.0	197.0	193.7	190.0	186.3	182.9
165°	197.9	197.9	197.9	197.2	195.8	194.0	191.9	189.4	186.6	183.8	181.7
167.5°	190.8	190.9	191.2	190.6	189.9	188.6	187.0	185.3	183.3	181.3	179.7
170°	186.6	187.0	187.0	186.6	185.9	185.2	184.1	183.1	181.3	179.9	178.8
172.5°	182.6	183.0	183.6	182.9	182.8	182.4	181.6	180.5	179.3	178.2	177.7
175°	177.8	178.1	178.8	178.5	178.5	178.5	177.8	177.8	176.7	176.4	176.4
177.5°	175.3	175.3	176.1	175.9	176.1	176.1	176.1	175.9	175.6	175.3	175.3
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



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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°	15.3	15.1	15.7	15.5	14.8	17.7	19.5	20.0	18.8	17.7	16.6
90°	4.6	3.9	3.5	2.8	2.1	1.4	0.7	0.4	0.7	1.4	2.1
92.5°	80.6	48.3	29.0	18.7	12.6	8.2	5.2	4.3	5.2	8.2	12.6
95°	158.0	80.2	42.4	26.5	18.7	14.8	12.0	11.7	12.0	14.8	18.7
97.5°	126.1	69.1	44.1	32.7	25.7	21.8	19.8	19.4	19.8	21.8	25.7
100°	114.5	68.6	48.1	37.5	30.7	26.9	25.4	24.7	25.4	26.9	30.7
102.5°	109.7	71.1	52.9	42.6	36.4	32.2	31.1	30.7	31.1	32.2	36.4
105°	107.8	76.3	60.8	50.9	45.2	41.7	39.9	39.9	39.9	41.7	45.2
107.5°	111.0	84.1	69.1	60.2	54.3	51.4	49.7	49.0	49.7	51.4	54.3
110°	114.2	89.8	75.3	66.1	60.8	57.6	56.2	55.5	56.2	57.6	60.8





TEST NUMBER: P333612

CATALOG NUMBER: S125RDIP-S1270D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	118.1	95.1	81.2	72.3	67.0	63.8	62.7	62.0	62.7	63.8	67.0
115°	124.0	103.6	90.5	81.6	76.3	73.2	72.1	71.4	72.1	73.2	76.3
117.5°	130.8	112.2	99.8	91.3	85.2	82.1	80.9	79.9	80.9	82.1	85.2
120°	135.4	118.4	106.0	97.2	91.2	88.0	86.6	85.5	86.6	88.0	91.2
122.5°	140.4	124.3	112.0	103.1	96.6	93.4	92.2	91.5	92.2	93.4	96.6
125°	147.4	132.2	120.5	111.3	104.6	101.4	99.7	99.0	99.7	101.4	104.6
127.5°	153.7	139.7	128.5	119.3	112.2	108.1	105.9	104.8	105.9	108.1	112.2
130°	158.0	144.5	133.6	124.4	117.0	112.4	109.6	108.5	109.6	112.4	117.0
132.5°	161.7	149.1	138.1	128.9	121.2	116.1	112.7	111.3	112.7	116.1	121.2
135°	166.8	155.1	144.2	134.7	127.2	121.6	117.3	115.9	117.3	121.6	127.2
137.5°	170.6	159.5	149.5	139.7	132.4	126.7	122.8	121.7	122.8	126.7	132.4
140°	173.2	162.6	152.3	142.8	136.1	130.4	126.2	125.1	126.2	130.4	136.1
142.5°	174.6	164.5	154.9	145.9	139.5	133.8	129.8	129.1	129.8	133.8	139.5
145°	176.7	167.9	158.7	150.6	144.2	139.2	135.7	135.0	135.7	139.2	144.2
147.5°	178.0	170.0	161.9	154.8	149.3	144.7	141.6	141.2	141.6	144.7	149.3
150°	178.8	171.4	163.6	157.6	152.7	148.1	145.6	144.9	145.6	148.1	152.7
152.5°	179.4	172.8	165.6	160.2	155.5	151.5	149.3	148.9	149.3	151.5	155.5
155°	179.9	174.2	168.2	163.3	159.7	156.2	154.1	154.1	154.1	156.2	159.7
157.5°	180.2	175.4	170.3	166.5	163.4	160.4	158.7	158.8	158.7	160.4	163.4
160°	180.2	176.0	171.4	168.2	165.4	162.9	161.5	161.9	161.5	162.9	165.4
162.5°	180.0	176.6	172.5	169.9	167.7	165.5	164.1	164.4	164.1	165.5	167.7
165°	179.5	176.7	173.9	171.8	170.3	168.6	167.5	168.2	167.5	168.6	170.3
167.5°	178.7	176.7	174.4	173.0	172.0	171.1	170.4	170.8	170.4	171.1	172.0
170°	178.1	176.7	174.9	173.9	173.2	172.5	172.1	172.5	172.1	172.5	173.2
172.5°	177.6	176.4	174.9	174.4	174.0	173.3	173.0	173.6	173.0	173.3	174.0
175°	176.7	176.0	174.9	174.9	174.9	174.6	174.2	174.9	174.2	174.6	174.9
177.5°	175.9	175.6	175.0	175.0	175.3	175.0	175.0	175.6	175.0	175.0	175.3
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



TEST NUMBER: P333612

CATALOG NUMBER: S125RDIP-S1270D365U835-4F0-1E-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°	16.2	16.3	15.7	17.1	15.3	16.1	16.2	15.6	15.7	15.8	15.3
90°	2.8	3.5	3.9	4.6	4.9	5.7	6.0	6.4	6.7	7.1	7.8
92.5°	18.7	29.0	48.3	80.6	115.8	113.9	92.2	62.6	45.4	34.2	29.0
95°	26.5	42.4	80.2	158.0	255.5	313.1	306.4	254.1	200.4	156.9	127.2
97.5°	32.7	44.1	69.1	126.1	228.2	334.4	387.7	378.4	340.8	298.4	257.1
100°	37.5	48.1	68.6	114.5	203.6	319.1	407.5	434.7	417.4	381.0	344.2
102.5°	42.6	52.9	71.1	109.7	184.9	292.3	395.6	453.6	464.3	446.9	422.0
105°	50.9	60.8	76.3	107.8	166.8	256.2	357.7	442.5	490.9	506.4	502.6
107.5°	60.2	69.1	84.1	111.0	159.2	231.4	318.9	402.6	467.2	507.1	525.6
110°	66.1	75.3	89.8	114.2	156.9	219.8	296.9	373.2	440.4	490.2	520.2



TEST NUMBER: P333612

CATALOG NUMBER: S125RDIP-S1270D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	72.3	81.2	95.1	118.1	156.9	213.0	280.5	350.0	413.8	464.2	499.6
115°	81.6	90.5	103.6	124.0	158.0	205.7	262.6	320.9	375.7	424.1	462.6
117.5°	91.3	99.8	112.2	130.8	160.3	202.1	251.9	302.1	349.3	391.0	426.4
120°	97.2	106.0	118.4	135.4	162.6	200.4	246.0	291.9	334.3	373.2	404.3
122.5°	103.1	112.0	124.3	140.4	164.5	199.0	240.9	284.3	323.6	358.2	387.3
125°	111.3	120.5	132.2	147.4	167.9	197.2	234.0	273.2	309.2	340.0	365.4
127.5°	119.3	128.5	139.7	153.7	171.6	196.4	227.6	261.9	295.5	324.2	348.0
130°	124.4	133.6	144.5	158.0	173.9	195.8	223.4	254.8	285.9	313.5	336.5
132.5°	128.9	138.1	149.1	161.7	176.4	195.8	220.0	247.7	276.9	301.9	324.0
135°	134.7	144.2	155.1	166.8	179.9	195.8	215.9	238.6	262.9	285.6	305.7
137.5°	139.7	149.5	159.5	170.6	183.1	196.2	212.3	230.8	250.5	269.3	286.4
140°	142.8	152.3	162.6	173.2	184.5	196.5	210.6	226.5	243.1	259.4	274.2
142.5°	145.9	154.9	164.5	174.6	185.3	196.8	209.2	222.9	236.9	250.9	263.8
145°	150.6	158.7	167.9	176.7	186.2	196.5	207.1	218.1	229.0	240.0	249.5
147.5°	154.8	161.9	170.0	178.0	186.6	195.6	204.9	213.5	222.4	230.9	238.1
150°	157.6	163.6	171.4	178.8	186.6	194.7	203.2	211.0	218.8	225.5	231.8
152.5°	160.2	165.6	172.8	179.4	186.3	193.6	201.2	208.2	215.1	221.2	226.2
155°	163.3	168.2	174.2	179.9	185.5	191.6	197.9	203.9	209.6	214.5	218.4
157.5°	166.5	170.3	175.4	180.2	184.6	189.4	194.8	199.7	204.3	208.2	211.2
160°	168.2	171.4	176.0	180.2	183.8	188.0	192.3	196.9	200.4	203.9	206.4
162.5°	169.9	172.5	176.6	180.0	182.9	186.3	190.0	193.7	197.0	200.0	202.2
165°	171.8	173.9	176.7	179.5	181.7	183.8	186.6	189.4	191.9	194.0	195.8
167.5°	173.0	174.4	176.7	178.7	179.7	181.3	183.3	185.3	187.0	188.6	189.9
170°	173.9	174.9	176.7	178.1	178.8	179.9	181.3	183.1	184.1	185.2	185.9
172.5°	174.4	174.9	176.4	177.6	177.7	178.2	179.3	180.5	181.6	182.4	182.8
175°	174.9	174.9	176.0	176.7	176.4	176.4	176.7	177.8	177.8	178.5	178.5
177.5°	175.0	175.0	175.6	175.9	175.3	175.3	175.6	175.9	176.1	176.1	176.1
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



TEST NUMBER: P333612

CATALOG NUMBER: S125RDIP-S1270D365U835-4F0-1E-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°	15.9	15.3	15.3	15.3	15.3	15.3	15.9	15.3	15.8	15.7	15.6
90°	7.8	7.8	8.1	8.1	8.1	7.8	7.8	7.8	7.1	6.7	6.4
92.5°	24.5	23.6	23.1	22.5	23.1	23.6	24.5	29.0	34.2	45.4	62.6
95°	102.1	91.5	88.7	83.1	88.7	91.5	102.1	127.2	156.9	200.4	254.1
97.5°	235.3	215.5	205.3	200.7	205.3	215.5	235.3	257.1	298.4	340.8	378.4
100°	319.8	294.4	281.3	275.7	281.3	294.4	319.8	344.2	381.0	417.4	434.7
102.5°	395.9	377.8	363.6	359.4	363.6	377.8	395.9	422.0	446.9	464.3	453.6
105°	491.2	479.6	472.5	468.3	472.5	479.6	491.2	502.6	506.4	490.9	442.5
107.5°	531.3	531.3	528.9	526.1	528.9	531.3	531.3	525.6	507.1	467.2	402.6
110°	536.1	542.8	545.3	545.3	545.3	542.8	536.1	520.2	490.2	440.4	373.2



TEST NUMBER: P333612

CATALOG NUMBER: S125RDIP-S1270D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	522.8	534.4	540.5	543.1	540.5	534.4	522.8	499.6	464.2	413.8	350.0
115°	490.2	507.1	517.0	521.6	517.0	507.1	490.2	462.6	424.1	375.7	320.9
117.5°	453.9	471.5	481.3	484.1	481.3	471.5	453.9	426.4	391.0	349.3	302.1
120°	430.5	447.4	457.0	459.8	457.0	447.4	430.5	404.3	373.2	334.3	291.9
122.5°	410.7	426.2	435.8	438.3	435.8	426.2	410.7	387.3	358.2	323.6	284.3
125°	385.2	399.7	407.5	411.0	407.5	399.7	385.2	365.4	340.0	309.2	273.2
127.5°	366.0	378.8	386.1	387.7	386.1	378.8	366.0	348.0	324.2	295.5	261.9
130°	354.1	365.8	372.9	375.0	372.9	365.8	354.1	336.5	313.5	285.9	254.8
132.5°	341.7	353.3	359.8	362.2	359.8	353.3	341.7	324.0	301.9	276.9	247.7
135°	321.3	332.9	339.3	341.4	339.3	332.9	321.3	305.7	285.6	262.9	238.6
137.5°	300.3	310.9	316.8	319.1	316.8	310.9	300.3	286.4	269.3	250.5	230.8
140°	287.3	296.5	301.8	303.6	301.8	296.5	287.3	274.2	259.4	243.1	226.5
142.5°	274.9	282.7	287.7	289.2	287.7	282.7	274.9	263.8	250.9	236.9	222.9
145°	258.0	264.0	267.9	269.3	267.9	264.0	258.0	249.5	240.0	229.0	218.1
147.5°	244.8	249.6	251.8	252.5	251.8	249.6	244.8	238.1	230.9	222.4	213.5
150°	237.1	241.4	242.8	243.1	242.8	241.4	237.1	231.8	225.5	218.8	211.0
152.5°	230.6	234.0	235.4	235.8	235.4	234.0	230.6	226.2	221.2	215.1	208.2
155°	221.9	224.4	225.5	225.8	225.5	224.4	221.9	218.4	214.5	209.6	203.9
157.5°	214.0	216.0	217.0	216.9	217.0	216.0	214.0	211.2	208.2	204.3	199.7
160°	208.9	210.6	211.3	211.0	211.3	210.6	208.9	206.4	203.9	200.4	196.9
162.5°	204.1	205.5	205.7	205.6	205.7	205.5	204.1	202.2	200.0	197.0	193.7
165°	197.2	197.9	197.9	197.9	197.9	197.9	197.2	195.8	194.0	191.9	189.4
167.5°	190.6	191.2	190.9	190.8	190.9	191.2	190.6	189.9	188.6	187.0	185.3
170°	186.6	187.0	187.0	186.6	187.0	187.0	186.6	185.9	185.2	184.1	183.1
172.5°	182.9	183.6	183.0	182.6	183.0	183.6	182.9	182.8	182.4	181.6	180.5
175°	178.5	178.8	178.1	177.8	178.1	178.8	178.5	178.5	178.5	177.8	177.8
177.5°	175.9	176.1	175.3	175.3	175.3	176.1	175.9	176.1	176.1	176.1	175.9
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



TEST NUMBER: P333612

CATALOG NUMBER: S125RDIP-S1270D365U835-4F0-1E-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°	16.2	16.1	15.3	17.1	15.7	16.3	16.2	16.6	17.7	18.8	20.0
90°	6.0	5.7	4.9	4.6	3.9	3.5	2.8	2.1	1.4	0.7	0.4
92.5°	92.2	113.9	115.8	80.6	48.3	29.0	18.7	12.6	8.2	5.2	4.3
95°	306.4	313.1	255.5	158.0	80.2	42.4	26.5	18.7	14.8	12.0	11.7
97.5°	387.7	334.4	228.2	126.1	69.1	44.1	32.7	25.7	21.8	19.8	19.4
100°	407.5	319.1	203.6	114.5	68.6	48.1	37.5	30.7	26.9	25.4	24.7
102.5°	395.6	292.3	184.9	109.7	71.1	52.9	42.6	36.4	32.2	31.1	30.7
105°	357.7	256.2	166.8	107.8	76.3	60.8	50.9	45.2	41.7	39.9	39.9
107.5°	318.9	231.4	159.2	111.0	84.1	69.1	60.2	54.3	51.4	49.7	49.0
110°	296.9	219.8	156.9	114.2	89.8	75.3	66.1	60.8	57.6	56.2	55.5



TEST NUMBER: P333612

CATALOG NUMBER: S125RDIP-S1270D365U835-4F0-1E-UDD-A4

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	280.5	213.0	156.9	118.1	95.1	81.2	72.3	67.0	63.8	62.7	62.0
115°	262.6	205.7	158.0	124.0	103.6	90.5	81.6	76.3	73.2	72.1	71.4
117.5°	251.9	202.1	160.3	130.8	112.2	99.8	91.3	85.2	82.1	80.9	79.9
120°	246.0	200.4	162.6	135.4	118.4	106.0	97.2	91.2	88.0	86.6	85.5
122.5°	240.9	199.0	164.5	140.4	124.3	112.0	103.1	96.6	93.4	92.2	91.5
125°	234.0	197.2	167.9	147.4	132.2	120.5	111.3	104.6	101.4	99.7	99.0
127.5°	227.6	196.4	171.6	153.7	139.7	128.5	119.3	112.2	108.1	105.9	104.8
130°	223.4	195.8	173.9	158.0	144.5	133.6	124.4	117.0	112.4	109.6	108.5
132.5°	220.0	195.8	176.4	161.7	149.1	138.1	128.9	121.2	116.1	112.7	111.3
135°	215.9	195.8	179.9	166.8	155.1	144.2	134.7	127.2	121.6	117.3	115.9
137.5°	212.3	196.2	183.1	170.6	159.5	149.5	139.7	132.4	126.7	122.8	121.7
140°	210.6	196.5	184.5	173.2	162.6	152.3	142.8	136.1	130.4	126.2	125.1
142.5°	209.2	196.8	185.3	174.6	164.5	154.9	145.9	139.5	133.8	129.8	129.1
145°	207.1	196.5	186.2	176.7	167.9	158.7	150.6	144.2	139.2	135.7	135.0
147.5°	204.9	195.6	186.6	178.0	170.0	161.9	154.8	149.3	144.7	141.6	141.2
150°	203.2	194.7	186.6	178.8	171.4	163.6	157.6	152.7	148.1	145.6	144.9
152.5°	201.2	193.6	186.3	179.4	172.8	165.6	160.2	155.5	151.5	149.3	148.9
155°	197.9	191.6	185.5	179.9	174.2	168.2	163.3	159.7	156.2	154.1	154.1
157.5°	194.8	189.4	184.6	180.2	175.4	170.3	166.5	163.4	160.4	158.7	158.8
160°	192.3	188.0	183.8	180.2	176.0	171.4	168.2	165.4	162.9	161.5	161.9
162.5°	190.0	186.3	182.9	180.0	176.6	172.5	169.9	167.7	165.5	164.1	164.4
165°	186.6	183.8	181.7	179.5	176.7	173.9	171.8	170.3	168.6	167.5	168.2
167.5°	183.3	181.3	179.7	178.7	176.7	174.4	173.0	172.0	171.1	170.4	170.8
170°	181.3	179.9	178.8	178.1	176.7	174.9	173.9	173.2	172.5	172.1	172.5
172.5°	179.3	178.2	177.7	177.6	176.4	174.9	174.4	174.0	173.3	173.0	173.6
175°	176.7	176.4	176.4	176.7	176.0	174.9	174.9	174.9	174.6	174.2	174.9
177.5°	175.6	175.3	175.3	175.9	175.6	175.0	175.0	175.3	175.0	175.0	175.6
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



TEST NUMBER: P333612

CATALOG NUMBER: S125RDIP-S1270D365U835-4F0-1E-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°	19.5	17.7	14.8	15.5	15.7	15.1	15.3	14.7	14.2	14.3	14.4
90°	0.7	1.4	2.1	2.8	3.5	3.9	4.6	4.9	5.7	6.0	6.4
92.5°	5.2	8.2	12.6	18.7	29.0	48.3	80.6	115.8	113.9	92.2	62.6
95°	12.0	14.8	18.7	26.5	42.4	80.2	158.0	255.5	313.1	306.4	254.1
97.5°	19.8	21.8	25.7	32.7	44.1	69.1	126.1	228.2	334.4	387.7	378.4
100°	25.4	26.9	30.7	37.5	48.1	68.6	114.5	203.6	319.1	407.5	434.7
102.5°	31.1	32.2	36.4	42.6	52.9	71.1	109.7	184.9	292.3	395.6	453.6
105°	39.9	41.7	45.2	50.9	60.8	76.3	107.8	166.8	256.2	357.7	442.5
107.5°	49.7	51.4	54.3	60.2	69.1	84.1	111.0	159.2	231.4	318.9	402.6
110°	56.2	57.6	60.8	66.1	75.3	89.8	114.2	156.9	219.8	296.9	373.2





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	62.7	63.8	67.0	72.3	81.2	95.1	118.1	156.9	213.0	280.5	350.0
115°	72.1	73.2	76.3	81.6	90.5	103.6	124.0	158.0	205.7	262.6	320.9
117.5°	80.9	82.1	85.2	91.3	99.8	112.2	130.8	160.3	202.1	251.9	302.1
120°	86.6	88.0	91.2	97.2	106.0	118.4	135.4	162.6	200.4	246.0	291.9
122.5°	92.2	93.4	96.6	103.1	112.0	124.3	140.4	164.5	199.0	240.9	284.3
125°	99.7	101.4	104.6	111.3	120.5	132.2	147.4	167.9	197.2	234.0	273.2
127.5°	105.9	108.1	112.2	119.3	128.5	139.7	153.7	171.6	196.4	227.6	261.9
130°	109.6	112.4	117.0	124.4	133.6	144.5	158.0	173.9	195.8	223.4	254.8
132.5°	112.7	116.1	121.2	128.9	138.1	149.1	161.7	176.4	195.8	220.0	247.7
135°	117.3	121.6	127.2	134.7	144.2	155.1	166.8	179.9	195.8	215.9	238.6
137.5°	122.8	126.7	132.4	139.7	149.5	159.5	170.6	183.1	196.2	212.3	230.8
140°	126.2	130.4	136.1	142.8	152.3	162.6	173.2	184.5	196.5	210.6	226.5
142.5°	129.8	133.8	139.5	145.9	154.9	164.5	174.6	185.3	196.8	209.2	222.9
145°	135.7	139.2	144.2	150.6	158.7	167.9	176.7	186.2	196.5	207.1	218.1
147.5°	141.6	144.7	149.3	154.8	161.9	170.0	178.0	186.6	195.6	204.9	213.5
150°	145.6	148.1	152.7	157.6	163.6	171.4	178.8	186.6	194.7	203.2	211.0
152.5°	149.3	151.5	155.5	160.2	165.6	172.8	179.4	186.3	193.6	201.2	208.2
155°	154.1	156.2	159.7	163.3	168.2	174.2	179.9	185.5	191.6	197.9	203.9
157.5°	158.7	160.4	163.4	166.5	170.3	175.4	180.2	184.6	189.4	194.8	199.7
160°	161.5	162.9	165.4	168.2	171.4	176.0	180.2	183.8	188.0	192.3	196.9
162.5°	164.1	165.5	167.7	169.9	172.5	176.6	180.0	182.9	186.3	190.0	193.7
165°	167.5	168.6	170.3	171.8	173.9	176.7	179.5	181.7	183.8	186.6	189.4
167.5°	170.4	171.1	172.0	173.0	174.4	176.7	178.7	179.7	181.3	183.3	185.3
170°	172.1	172.5	173.2	173.9	174.9	176.7	178.1	178.8	179.9	181.3	183.1
172.5°	173.0	173.3	174.0	174.4	174.9	176.4	177.6	177.7	178.2	179.3	180.5
175°	174.2	174.6	174.9	174.9	174.9	176.0	176.7	176.4	176.4	176.7	177.8
177.5°	175.0	175.0	175.3	175.0	175.0	175.6	175.9	175.3	175.3	175.6	175.9
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3	175.3



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**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°	15.1	15.8	14.7	14.0	14.0	14.7	15.3
90°	6.7	7.1	7.8	7.8	7.8	8.1	8.1
92.5°	45.4	34.2	29.0	24.5	23.6	23.1	22.5
95°	200.4	156.9	127.2	102.1	91.5	88.7	83.1
97.5°	340.8	298.4	257.1	235.3	215.5	205.3	200.7
100°	417.4	381.0	344.2	319.8	294.4	281.3	275.7
102.5°	464.3	446.9	422.0	395.9	377.8	363.6	359.4
105°	490.9	506.4	502.6	491.2	479.6	472.5	468.3
107.5°	467.2	507.1	525.6	531.3	531.3	528.9	526.1
110°	440.4	490.2	520.2	536.1	542.8	545.3	545.3



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	413.8	464.2	499.6	522.8	534.4	540.5	543.1
115°	375.7	424.1	462.6	490.2	507.1	517.0	521.6
117.5°	349.3	391.0	426.4	453.9	471.5	481.3	484.1
120°	334.3	373.2	404.3	430.5	447.4	457.0	459.8
122.5°	323.6	358.2	387.3	410.7	426.2	435.8	438.3
125°	309.2	340.0	365.4	385.2	399.7	407.5	411.0
127.5°	295.5	324.2	348.0	366.0	378.8	386.1	387.7
130°	285.9	313.5	336.5	354.1	365.8	372.9	375.0
132.5°	276.9	301.9	324.0	341.7	353.3	359.8	362.2
135°	262.9	285.6	305.7	321.3	332.9	339.3	341.4
137.5°	250.5	269.3	286.4	300.3	310.9	316.8	319.1
140°	243.1	259.4	274.2	287.3	296.5	301.8	303.6
142.5°	236.9	250.9	263.8	274.9	282.7	287.7	289.2
145°	229.0	240.0	249.5	258.0	264.0	267.9	269.3
147.5°	222.4	230.9	238.1	244.8	249.6	251.8	252.5
150°	218.8	225.5	231.8	237.1	241.4	242.8	243.1
152.5°	215.1	221.2	226.2	230.6	234.0	235.4	235.8
155°	209.6	214.5	218.4	221.9	224.4	225.5	225.8
157.5°	204.3	208.2	211.2	214.0	216.0	217.0	216.9
160°	200.4	203.9	206.4	208.9	210.6	211.3	211.0
162.5°	197.0	200.0	202.2	204.1	205.5	205.7	205.6
165°	191.9	194.0	195.8	197.2	197.9	197.9	197.9
167.5°	187.0	188.6	189.9	190.6	191.2	190.9	190.8
170°	184.1	185.2	185.9	186.6	187.0	187.0	186.6
172.5°	181.6	182.4	182.8	182.9	183.6	183.0	182.6
175°	177.8	178.5	178.5	178.5	178.8	178.1	177.8
177.5°	176.1	176.1	176.1	175.9	176.1	175.3	175.3
180°	175.3	175.3	175.3	175.3	175.3	175.3	175.3

(END OF REPORT)