

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: P333623

Luminaire Tested: **S125RDIP-S1270D810U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333623
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
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-A1
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING
UPLIGHT 810 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7725.8 lumens
Efficiency: N/A
Efficacy: 127.3 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

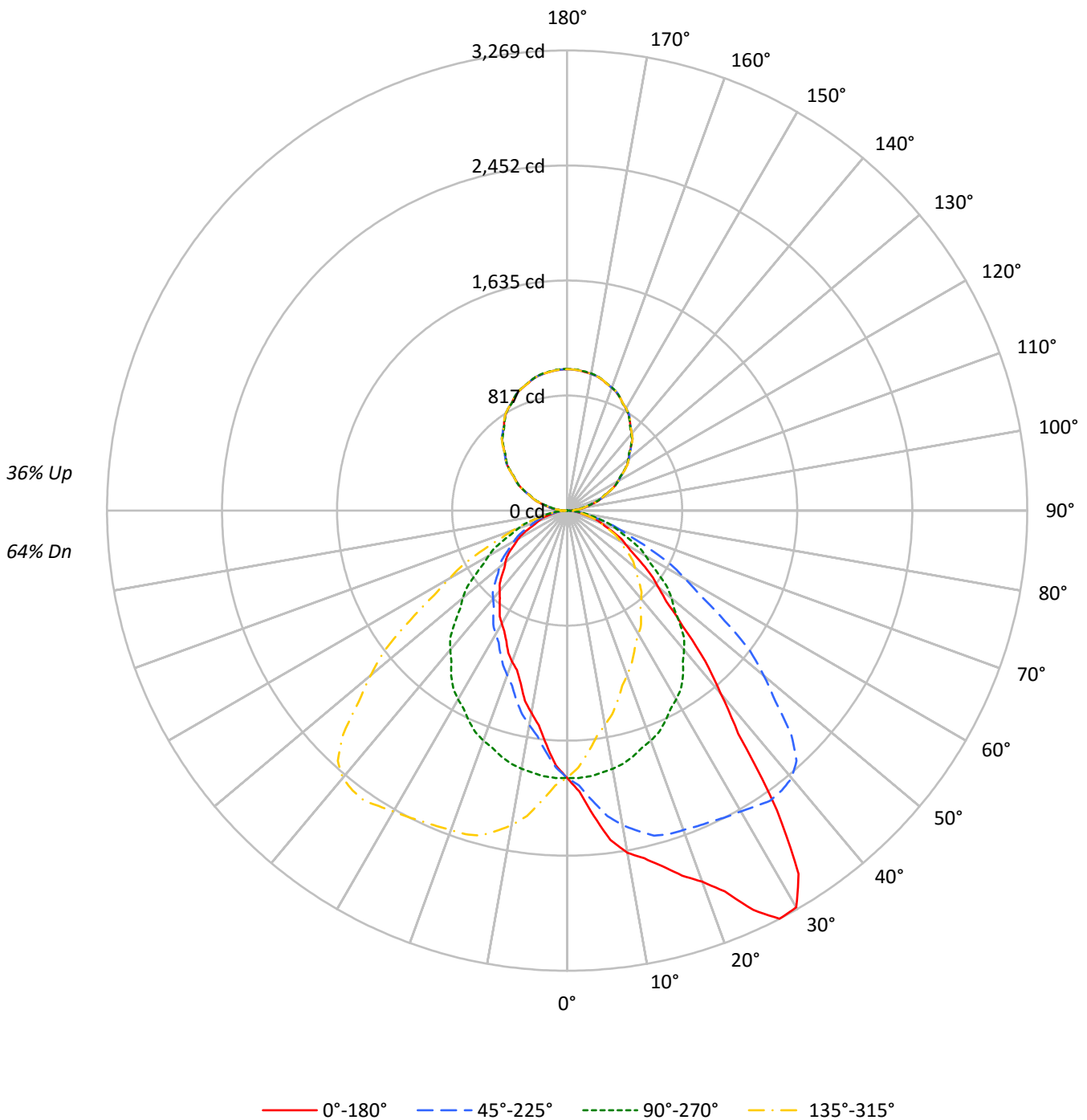
Input Watts (W): 60.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333623

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A1

Luminous Intensity Polar Plot





TEST NUMBER: P333623

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A1

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	104	104	104	104	91	91	91	79	79	79	69	69	69	64
1	101	97	93	90	95	91	88	85	81	78	76	71	69	67	62	60	59	55
2	93	86	79	74	87	81	75	71	71	67	64	63	60	57	55	53	51	47
3	85	76	68	63	80	71	65	60	63	58	54	56	52	49	49	46	44	40
4	78	67	59	53	73	64	56	51	57	51	47	50	46	42	44	41	38	35
5	72	60	52	46	67	57	50	44	51	45	40	45	40	37	40	36	33	30
6	66	54	46	40	62	51	44	39	46	40	36	41	36	32	36	32	29	27
7	61	49	41	35	58	47	39	34	42	36	31	37	32	29	33	29	26	24
8	57	45	37	32	54	42	35	30	38	32	28	34	29	26	30	27	24	21
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21	19
10	50	38	30	25	47	36	29	25	32	27	23	29	24	21	26	22	19	18

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



TEST NUMBER: P333623

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.1	2.4
10°-20°	533.6	6.9
20°-30°	846.1	11.0
30°-40°	1020.3	13.2
40°-50°	911.2	11.8
50°-60°	698.8	9.0
60°-70°	454.1	5.9
70°-80°	220.8	2.9
80°-90°	54.9	0.7
90°-100°	67.3	0.9
100°-110°	198.7	2.6
110°-120°	336.6	4.4
120°-130°	443.0	5.7
130°-140°	496.4	6.4
140°-150°	486.5	6.3
150°-160°	408.6	5.3
160°-170°	271.6	3.5
170°-180°	95.1	1.2
0°-30°	1561.8	20.2
0°-40°	2582.2	33.4
0°-60°	4192.1	54.3
0°-90°	4921.9	63.7
90°-120°	602.7	7.8
90°-150°	2028.6	26.3
90°-180°	2804.0	36.3
0°-180°	7725.8	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°	19	1	19	1	19	13
95°	67	51	67	51	67	68
105°	194	178	194	178	194	205
115°	340	337	340	337	340	336
125°	495	492	495	492	495	442
135°	642	640	642	640	642	495
145°	778	775	778	775	778	486
155°	887	887	887	887	887	408
165°	962	964	962	964	962	271
175°	999	1002	999	1002	999	95
180°	1005	1005	1005	1005	1005	



TEST NUMBER: P333623

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A1

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°	17.5	16.7	16.0	15.9	16.4	17.5	16.7	15.9	15.8	15.6	16.0
90°	18.8	18.2	17.7	17.2	16.7	16.0	15.1	14.2	13.4	12.5	11.3
92.5°	36.9	36.5	36.1	35.8	35.4	34.6	33.5	32.3	31.2	30.0	28.5
95°	67.2	66.9	66.6	66.2	65.9	65.1	63.9	62.6	61.4	60.2	58.5
97.5°	102.0	101.8	101.5	101.3	101.1	100.5	99.3	98.2	97.0	95.9	93.5
100°	128.2	127.9	127.5	127.2	126.9	125.9	124.3	122.8	121.2	119.6	117.4
102.5°	154.5	154.0	153.5	153.1	152.6	151.5	149.8	148.1	146.4	144.7	143.5
105°	193.9	193.4	192.9	192.4	191.8	191.1	190.0	189.0	187.9	186.9	185.8
107.5°	234.3	234.3	234.3	234.4	234.4	234.2	233.6	233.1	232.6	232.1	231.3
110°	264.3	264.5	264.6	264.8	265.0	264.8	264.3	263.8	263.3	262.7	262.2



TEST NUMBER: P333623

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	293.7	294.0	294.3	294.6	295.0	295.0	294.7	294.5	294.3	294.0	293.4
115°	340.2	340.3	340.5	340.7	340.8	341.0	341.2	341.4	341.5	341.7	341.4
117.5°	385.5	386.2	386.9	387.6	388.3	388.6	388.4	388.3	388.1	388.0	387.7
120°	416.8	417.5	418.2	418.9	419.6	419.9	419.9	419.9	419.9	419.9	419.7
122.5°	448.1	448.6	449.2	449.7	450.3	450.6	450.8	450.9	451.0	451.2	450.7
125°	495.0	495.2	495.3	495.5	495.7	495.9	496.3	496.6	497.0	497.3	497.1
127.5°	540.0	540.4	540.7	541.1	541.4	541.7	541.8	542.0	542.2	542.4	542.2
130°	570.0	570.4	570.7	571.1	571.4	571.7	571.9	572.0	572.2	572.4	572.0
132.5°	598.2	598.7	599.2	599.7	600.1	600.5	600.6	600.8	601.0	601.2	601.2
135°	642.0	642.7	643.4	644.1	644.8	645.1	645.1	645.1	645.1	645.1	644.9
137.5°	684.8	685.7	686.6	687.4	688.3	688.6	688.4	688.2	688.0	687.8	687.4
140°	712.4	713.2	714.1	715.0	715.8	716.1	715.7	715.4	715.1	714.7	714.2
142.5°	738.6	739.5	740.4	741.2	742.1	742.4	742.2	742.0	741.8	741.6	740.9
145°	778.0	778.6	779.1	779.6	780.1	780.4	780.4	780.4	780.4	780.4	779.9
147.5°	811.7	812.9	814.0	815.2	816.4	816.8	816.4	815.9	815.5	815.1	814.7
150°	836.7	837.0	837.4	837.7	838.1	838.3	838.3	838.3	838.3	838.3	837.6
152.5°	857.3	858.0	858.6	859.2	859.8	859.9	859.5	859.1	858.7	858.3	858.0
155°	886.7	887.6	888.5	889.3	890.2	890.3	889.6	888.9	888.2	887.5	887.3
157.5°	911.3	912.4	913.6	914.7	915.9	916.1	915.4	914.7	914.0	913.3	913.1
160°	928.2	929.0	929.9	930.8	931.7	931.7	931.0	930.4	929.7	929.0	928.8
162.5°	942.6	943.6	944.6	945.6	946.6	946.7	945.9	945.0	944.2	943.4	943.3
165°	961.8	962.8	963.9	964.9	966.0	966.1	965.5	964.8	964.1	963.4	963.2
167.5°	977.1	978.2	979.3	980.4	981.4	981.5	980.4	979.4	978.3	977.3	977.3
170°	985.3	986.5	987.7	988.9	990.1	990.2	989.2	988.1	987.1	986.0	986.0
172.5°	992.1	993.2	994.3	995.4	996.5	996.5	995.4	994.4	993.3	992.3	992.3
175°	998.6	999.8	1001.0	1002.2	1003.4	1003.5	1002.5	1001.4	1000.4	999.3	999.3
177.5°	1002.3	1003.3	1004.3	1005.2	1006.2	1006.3	1005.4	1004.6	1003.8	1002.9	1003.1
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8



TEST NUMBER: P333623

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A1

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	18.2	19.8	20.1	19.1	18.2	17.2
90°	10.1	8.9	7.6	6.3	5.0	3.6	2.2	0.8	2.2	3.6	5.0
92.5°	27.0	25.5	24.0	22.8	21.8	20.9	19.9	18.9	19.9	20.9	21.8
95°	56.7	55.0	53.3	52.2	51.9	51.5	51.2	50.8	51.2	51.5	51.9
97.5°	91.1	88.7	86.3	85.0	84.9	84.7	84.6	84.5	84.6	84.7	84.9
100°	115.1	112.9	110.6	109.5	109.5	109.5	109.5	109.5	109.5	109.5	109.5
102.5°	142.4	141.2	140.1	139.2	138.5	137.8	137.1	136.4	137.1	137.8	138.5
105°	184.8	183.8	182.7	181.8	180.9	180.0	179.2	178.3	179.2	180.0	180.9
107.5°	230.5	229.7	228.9	228.1	227.2	226.3	225.4	224.6	225.4	226.3	227.2
110°	261.7	261.2	260.7	260.0	259.1	258.2	257.4	256.5	257.4	258.2	259.1



TEST NUMBER: P333623

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	292.7	292.0	291.4	290.8	290.4	289.9	289.5	289.0	289.5	289.9	290.4
115°	341.0	340.7	340.3	339.8	339.1	338.4	337.7	337.0	337.7	338.4	339.1
117.5°	387.4	387.1	386.8	386.4	386.1	385.8	385.5	385.2	385.5	385.8	386.1
120°	419.6	419.4	419.2	418.7	417.8	417.0	416.1	415.2	416.1	417.0	417.8
122.5°	450.3	449.8	449.4	449.0	448.7	448.4	448.1	447.7	448.1	448.4	448.7
125°	497.0	496.8	496.6	496.0	495.0	493.9	492.9	491.8	492.9	493.9	495.0
127.5°	541.9	541.7	541.5	541.1	540.5	539.9	539.4	538.8	539.4	539.9	540.5
130°	571.7	571.3	571.0	570.4	569.5	568.7	567.8	566.9	567.8	568.7	569.5
132.5°	601.3	601.4	601.4	600.8	599.3	597.9	596.5	595.1	596.5	597.9	599.3
135°	644.8	644.6	644.4	643.8	642.8	641.7	640.7	639.6	640.7	641.7	642.8
137.5°	687.0	686.7	686.3	685.6	684.6	683.6	682.6	681.6	682.6	683.6	684.6
140°	713.7	713.1	712.6	711.9	711.1	710.2	709.3	708.5	709.3	710.2	711.1
142.5°	740.3	739.6	739.0	738.3	737.5	736.8	736.1	735.4	736.1	736.8	737.5
145°	779.3	778.8	778.3	777.7	777.0	776.3	775.6	774.9	775.6	776.3	777.0
147.5°	814.3	813.9	813.4	813.0	812.7	812.3	811.9	811.5	811.9	812.3	812.7
150°	836.9	836.2	835.5	835.2	835.4	835.6	835.7	835.9	835.7	835.6	835.4
152.5°	857.7	857.4	857.2	856.9	856.7	856.4	856.2	855.9	856.2	856.4	856.7
155°	887.2	887.0	886.8	886.7	886.7	886.7	886.7	886.7	886.7	886.7	886.7
157.5°	913.0	912.8	912.6	912.7	913.1	913.5	913.9	914.3	913.9	913.5	913.1
160°	928.6	928.4	928.3	928.4	929.0	929.5	930.0	930.5	930.0	929.5	929.0
162.5°	943.3	943.2	943.2	943.4	943.8	944.1	944.5	944.9	944.5	944.1	943.8
165°	963.0	962.8	962.7	962.8	963.1	963.5	963.8	964.2	963.8	963.5	963.1
167.5°	977.3	977.3	977.3	977.6	978.3	979.0	979.7	980.4	979.7	979.0	978.3
170°	986.0	986.0	986.0	986.4	987.1	987.8	988.5	989.2	988.5	987.8	987.1
172.5°	992.3	992.3	992.3	992.6	993.3	994.0	994.7	995.4	994.7	994.0	993.3
175°	999.3	999.3	999.3	999.7	1000.4	1001.1	1001.8	1002.5	1001.8	1001.1	1000.4
177.5°	1003.2	1003.4	1003.5	1003.8	1004.4	1005.0	1005.5	1006.1	1005.5	1005.0	1004.4
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8



TEST NUMBER: P333623

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A1

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°	16.9	17.1	16.7	18.2	16.6	17.5	17.6	17.2	17.4	17.5	17.1
90°	6.3	7.6	8.9	10.1	11.3	12.5	13.4	14.2	15.1	16.0	16.7
92.5°	22.8	24.0	25.5	27.0	28.5	30.0	31.2	32.3	33.5	34.6	35.4
95°	52.2	53.3	55.0	56.7	58.5	60.2	61.4	62.6	63.9	65.1	65.9
97.5°	85.0	86.3	88.7	91.1	93.5	95.9	97.0	98.2	99.3	100.5	101.1
100°	109.5	110.6	112.9	115.1	117.4	119.6	121.2	122.8	124.3	125.9	126.9
102.5°	139.2	140.1	141.2	142.4	143.5	144.7	146.4	148.1	149.8	151.5	152.6
105°	181.8	182.7	183.8	184.8	185.8	186.9	187.9	189.0	190.0	191.1	191.8
107.5°	228.1	228.9	229.7	230.5	231.3	232.1	232.6	233.1	233.6	234.2	234.4
110°	260.0	260.7	261.2	261.7	262.2	262.7	263.3	263.8	264.3	264.8	265.0



TEST NUMBER: P333623

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	290.8	291.4	292.0	292.7	293.4	294.0	294.3	294.5	294.7	295.0	295.0
115°	339.8	340.3	340.7	341.0	341.4	341.7	341.5	341.4	341.2	341.0	340.8
117.5°	386.4	386.8	387.1	387.4	387.7	388.0	388.1	388.3	388.4	388.6	388.3
120°	418.7	419.2	419.4	419.6	419.7	419.9	419.9	419.9	419.9	419.9	419.6
122.5°	449.0	449.4	449.8	450.3	450.7	451.2	451.0	450.9	450.8	450.6	450.3
125°	496.0	496.6	496.8	497.0	497.1	497.3	497.0	496.6	496.3	495.9	495.7
127.5°	541.1	541.5	541.7	541.9	542.2	542.4	542.2	542.0	541.8	541.7	541.4
130°	570.4	571.0	571.3	571.7	572.0	572.4	572.2	572.0	571.9	571.7	571.4
132.5°	600.8	601.4	601.4	601.3	601.2	601.2	601.0	600.8	600.6	600.5	600.1
135°	643.8	644.4	644.6	644.8	644.9	645.1	645.1	645.1	645.1	645.1	644.8
137.5°	685.6	686.3	686.7	687.0	687.4	687.8	688.0	688.2	688.4	688.6	688.3
140°	711.9	712.6	713.1	713.7	714.2	714.7	715.1	715.4	715.7	716.1	715.8
142.5°	738.3	739.0	739.6	740.3	740.9	741.6	741.8	742.0	742.2	742.4	742.1
145°	777.7	778.3	778.8	779.3	779.9	780.4	780.4	780.4	780.4	780.4	780.1
147.5°	813.0	813.4	813.9	814.3	814.7	815.1	815.5	815.9	816.4	816.8	816.4
150°	835.2	835.5	836.2	836.9	837.6	838.3	838.3	838.3	838.3	838.3	838.1
152.5°	856.9	857.2	857.4	857.7	858.0	858.3	858.7	859.1	859.5	859.9	859.8
155°	886.7	886.8	887.0	887.2	887.3	887.5	888.2	888.9	889.6	890.3	890.2
157.5°	912.7	912.6	912.8	913.0	913.1	913.3	914.0	914.7	915.4	916.1	915.9
160°	928.4	928.3	928.4	928.6	928.8	929.0	929.7	930.4	931.0	931.7	931.7
162.5°	943.4	943.2	943.2	943.3	943.3	943.4	944.2	945.0	945.9	946.7	946.6
165°	962.8	962.7	962.8	963.0	963.2	963.4	964.1	964.8	965.5	966.1	966.0
167.5°	977.6	977.3	977.3	977.3	977.3	977.3	978.3	979.4	980.4	981.5	981.4
170°	986.4	986.0	986.0	986.0	986.0	986.0	987.1	988.1	989.2	990.2	990.1
172.5°	992.6	992.3	992.3	992.3	992.3	992.3	993.3	994.4	995.4	996.5	996.5
175°	999.7	999.3	999.3	999.3	999.3	999.3	1000.4	1001.4	1002.5	1003.5	1003.4
177.5°	1003.8	1003.5	1003.4	1003.2	1003.1	1002.9	1003.8	1004.6	1005.4	1006.3	1006.2
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8



TEST NUMBER: P333623

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A1

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	17.3	17.4	17.5	17.4	17.3	17.8	17.1	17.5	17.4	17.2
90°	17.2	17.7	18.2	18.8	18.2	17.7	17.2	16.7	16.0	15.1	14.2
92.5°	35.8	36.1	36.5	36.9	36.5	36.1	35.8	35.4	34.6	33.5	32.3
95°	66.2	66.6	66.9	67.2	66.9	66.6	66.2	65.9	65.1	63.9	62.6
97.5°	101.3	101.5	101.8	102.0	101.8	101.5	101.3	101.1	100.5	99.3	98.2
100°	127.2	127.5	127.9	128.2	127.9	127.5	127.2	126.9	125.9	124.3	122.8
102.5°	153.1	153.5	154.0	154.5	154.0	153.5	153.1	152.6	151.5	149.8	148.1
105°	192.4	192.9	193.4	193.9	193.4	192.9	192.4	191.8	191.1	190.0	189.0
107.5°	234.4	234.3	234.3	234.3	234.3	234.3	234.4	234.4	234.2	233.6	233.1
110°	264.8	264.6	264.5	264.3	264.5	264.6	264.8	265.0	264.8	264.3	263.8



TEST NUMBER: P333623

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	294.6	294.3	294.0	293.7	294.0	294.3	294.6	295.0	295.0	294.7	294.5
115°	340.7	340.5	340.3	340.2	340.3	340.5	340.7	340.8	341.0	341.2	341.4
117.5°	387.6	386.9	386.2	385.5	386.2	386.9	387.6	388.3	388.6	388.4	388.3
120°	418.9	418.2	417.5	416.8	417.5	418.2	418.9	419.6	419.9	419.9	419.9
122.5°	449.7	449.2	448.6	448.1	448.6	449.2	449.7	450.3	450.6	450.8	450.9
125°	495.5	495.3	495.2	495.0	495.2	495.3	495.5	495.7	495.9	496.3	496.6
127.5°	541.1	540.7	540.4	540.0	540.4	540.7	541.1	541.4	541.7	541.8	542.0
130°	571.1	570.7	570.4	570.0	570.4	570.7	571.1	571.4	571.7	571.9	572.0
132.5°	599.7	599.2	598.7	598.2	598.7	599.2	599.7	600.1	600.5	600.6	600.8
135°	644.1	643.4	642.7	642.0	642.7	643.4	644.1	644.8	645.1	645.1	645.1
137.5°	687.4	686.6	685.7	684.8	685.7	686.6	687.4	688.3	688.6	688.4	688.2
140°	715.0	714.1	713.2	712.4	713.2	714.1	715.0	715.8	716.1	715.7	715.4
142.5°	741.2	740.4	739.5	738.6	739.5	740.4	741.2	742.1	742.4	742.2	742.0
145°	779.6	779.1	778.6	778.0	778.6	779.1	779.6	780.1	780.4	780.4	780.4
147.5°	815.2	814.0	812.9	811.7	812.9	814.0	815.2	816.4	816.8	816.4	815.9
150°	837.7	837.4	837.0	836.7	837.0	837.4	837.7	838.1	838.3	838.3	838.3
152.5°	859.2	858.6	858.0	857.3	858.0	858.6	859.2	859.8	859.9	859.5	859.1
155°	889.3	888.5	887.6	886.7	887.6	888.5	889.3	890.2	890.3	889.6	888.9
157.5°	914.7	913.6	912.4	911.3	912.4	913.6	914.7	915.9	916.1	915.4	914.7
160°	930.8	929.9	929.0	928.2	929.0	929.9	930.8	931.7	931.7	931.0	930.4
162.5°	945.6	944.6	943.6	942.6	943.6	944.6	945.6	946.6	946.7	945.9	945.0
165°	964.9	963.9	962.8	961.8	962.8	963.9	964.9	966.0	966.1	965.5	964.8
167.5°	980.4	979.3	978.2	977.1	978.2	979.3	980.4	981.4	981.5	980.4	979.4
170°	988.9	987.7	986.5	985.3	986.5	987.7	988.9	990.1	990.2	989.2	988.1
172.5°	995.4	994.3	993.2	992.1	993.2	994.3	995.4	996.5	996.5	995.4	994.4
175°	1002.2	1001.0	999.8	998.6	999.8	1001.0	1002.2	1003.4	1003.5	1002.5	1001.4
177.5°	1005.2	1004.3	1003.3	1002.3	1003.3	1004.3	1005.2	1006.2	1006.3	1005.4	1004.6
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8



TEST NUMBER: P333623

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A1

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	16.6	18.2	16.7	17.1	16.9	17.2	18.2	19.1	20.1
90°	13.4	12.5	11.3	10.1	8.9	7.6	6.3	5.0	3.6	2.2	0.8
92.5°	31.2	30.0	28.5	27.0	25.5	24.0	22.8	21.8	20.9	19.9	18.9
95°	61.4	60.2	58.5	56.7	55.0	53.3	52.2	51.9	51.5	51.2	50.8
97.5°	97.0	95.9	93.5	91.1	88.7	86.3	85.0	84.9	84.7	84.6	84.5
100°	121.2	119.6	117.4	115.1	112.9	110.6	109.5	109.5	109.5	109.5	109.5
102.5°	146.4	144.7	143.5	142.4	141.2	140.1	139.2	138.5	137.8	137.1	136.4
105°	187.9	186.9	185.8	184.8	183.8	182.7	181.8	180.9	180.0	179.2	178.3
107.5°	232.6	232.1	231.3	230.5	229.7	228.9	228.1	227.2	226.3	225.4	224.6
110°	263.3	262.7	262.2	261.7	261.2	260.7	260.0	259.1	258.2	257.4	256.5



TEST NUMBER: P333623

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	294.3	294.0	293.4	292.7	292.0	291.4	290.8	290.4	289.9	289.5	289.0
115°	341.5	341.7	341.4	341.0	340.7	340.3	339.8	339.1	338.4	337.7	337.0
117.5°	388.1	388.0	387.7	387.4	387.1	386.8	386.4	386.1	385.8	385.5	385.2
120°	419.9	419.9	419.7	419.6	419.4	419.2	418.7	417.8	417.0	416.1	415.2
122.5°	451.0	451.2	450.7	450.3	449.8	449.4	449.0	448.7	448.4	448.1	447.7
125°	497.0	497.3	497.1	497.0	496.8	496.6	496.0	495.0	493.9	492.9	491.8
127.5°	542.2	542.4	542.2	541.9	541.7	541.5	541.1	540.5	539.9	539.4	538.8
130°	572.2	572.4	572.0	571.7	571.3	571.0	570.4	569.5	568.7	567.8	566.9
132.5°	601.0	601.2	601.2	601.3	601.4	601.4	600.8	599.3	597.9	596.5	595.1
135°	645.1	645.1	644.9	644.8	644.6	644.4	643.8	642.8	641.7	640.7	639.6
137.5°	688.0	687.8	687.4	687.0	686.7	686.3	685.6	684.6	683.6	682.6	681.6
140°	715.1	714.7	714.2	713.7	713.1	712.6	711.9	711.1	710.2	709.3	708.5
142.5°	741.8	741.6	740.9	740.3	739.6	739.0	738.3	737.5	736.8	736.1	735.4
145°	780.4	780.4	779.9	779.3	778.8	778.3	777.7	777.0	776.3	775.6	774.9
147.5°	815.5	815.1	814.7	814.3	813.9	813.4	813.0	812.7	812.3	811.9	811.5
150°	838.3	838.3	837.6	836.9	836.2	835.5	835.2	835.4	835.6	835.7	835.9
152.5°	858.7	858.3	858.0	857.7	857.4	857.2	856.9	856.7	856.4	856.2	855.9
155°	888.2	887.5	887.3	887.2	887.0	886.8	886.7	886.7	886.7	886.7	886.7
157.5°	914.0	913.3	913.1	913.0	912.8	912.6	912.7	913.1	913.5	913.9	914.3
160°	929.7	929.0	928.8	928.6	928.4	928.3	928.4	929.0	929.5	930.0	930.5
162.5°	944.2	943.4	943.3	943.3	943.2	943.2	943.4	943.8	944.1	944.5	944.9
165°	964.1	963.4	963.2	963.0	962.8	962.7	962.8	963.1	963.5	963.8	964.2
167.5°	978.3	977.3	977.3	977.3	977.3	977.3	977.6	978.3	979.0	979.7	980.4
170°	987.1	986.0	986.0	986.0	986.0	986.0	986.4	987.1	987.8	988.5	989.2
172.5°	993.3	992.3	992.3	992.3	992.3	992.3	992.6	993.3	994.0	994.7	995.4
175°	1000.4	999.3	999.3	999.3	999.3	999.3	999.7	1000.4	1001.1	1001.8	1002.5
177.5°	1003.8	1002.9	1003.1	1003.2	1003.4	1003.5	1003.8	1004.4	1005.0	1005.5	1006.1
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8



TEST NUMBER: P333623

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A1

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°	19.8	18.2	15.3	16.2	16.5	16.1	16.4	16.0	15.6	15.8	15.9
90°	2.2	3.6	5.0	6.3	7.6	8.9	10.1	11.3	12.5	13.4	14.2
92.5°	19.9	20.9	21.8	22.8	24.0	25.5	27.0	28.5	30.0	31.2	32.3
95°	51.2	51.5	51.9	52.2	53.3	55.0	56.7	58.5	60.2	61.4	62.6
97.5°	84.6	84.7	84.9	85.0	86.3	88.7	91.1	93.5	95.9	97.0	98.2
100°	109.5	109.5	109.5	109.5	110.6	112.9	115.1	117.4	119.6	121.2	122.8
102.5°	137.1	137.8	138.5	139.2	140.1	141.2	142.4	143.5	144.7	146.4	148.1
105°	179.2	180.0	180.9	181.8	182.7	183.8	184.8	185.8	186.9	187.9	189.0
107.5°	225.4	226.3	227.2	228.1	228.9	229.7	230.5	231.3	232.1	232.6	233.1
110°	257.4	258.2	259.1	260.0	260.7	261.2	261.7	262.2	262.7	263.3	263.8



TEST NUMBER: P333623

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	289.5	289.9	290.4	290.8	291.4	292.0	292.7	293.4	294.0	294.3	294.5
115°	337.7	338.4	339.1	339.8	340.3	340.7	341.0	341.4	341.7	341.5	341.4
117.5°	385.5	385.8	386.1	386.4	386.8	387.1	387.4	387.7	388.0	388.1	388.3
120°	416.1	417.0	417.8	418.7	419.2	419.4	419.6	419.7	419.9	419.9	419.9
122.5°	448.1	448.4	448.7	449.0	449.4	449.8	450.3	450.7	451.2	451.0	450.9
125°	492.9	493.9	495.0	496.0	496.6	496.8	497.0	497.1	497.3	497.0	496.6
127.5°	539.4	539.9	540.5	541.1	541.5	541.7	541.9	542.2	542.4	542.2	542.0
130°	567.8	568.7	569.5	570.4	571.0	571.3	571.7	572.0	572.4	572.2	572.0
132.5°	596.5	597.9	599.3	600.8	601.4	601.4	601.3	601.2	601.2	601.0	600.8
135°	640.7	641.7	642.8	643.8	644.4	644.6	644.8	644.9	645.1	645.1	645.1
137.5°	682.6	683.6	684.6	685.6	686.3	686.7	687.0	687.4	687.8	688.0	688.2
140°	709.3	710.2	711.1	711.9	712.6	713.1	713.7	714.2	714.7	715.1	715.4
142.5°	736.1	736.8	737.5	738.3	739.0	739.6	740.3	740.9	741.6	741.8	742.0
145°	775.6	776.3	777.0	777.7	778.3	778.8	779.3	779.9	780.4	780.4	780.4
147.5°	811.9	812.3	812.7	813.0	813.4	813.9	814.3	814.7	815.1	815.5	815.9
150°	835.7	835.6	835.4	835.2	835.5	836.2	836.9	837.6	838.3	838.3	838.3
152.5°	856.2	856.4	856.7	856.9	857.2	857.4	857.7	858.0	858.3	858.7	859.1
155°	886.7	886.7	886.7	886.7	886.8	887.0	887.2	887.3	887.5	888.2	888.9
157.5°	913.9	913.5	913.1	912.7	912.6	912.8	913.0	913.1	913.3	914.0	914.7
160°	930.0	929.5	929.0	928.4	928.3	928.4	928.6	928.8	929.0	929.7	930.4
162.5°	944.5	944.1	943.8	943.4	943.2	943.2	943.3	943.3	943.4	944.2	945.0
165°	963.8	963.5	963.1	962.8	962.7	962.8	963.0	963.2	963.4	964.1	964.8
167.5°	979.7	979.0	978.3	977.6	977.3	977.3	977.3	977.3	977.3	978.3	979.4
170°	988.5	987.8	987.1	986.4	986.0	986.0	986.0	986.0	986.0	987.1	988.1
172.5°	994.7	994.0	993.3	992.6	992.3	992.3	992.3	992.3	992.3	993.3	994.4
175°	1001.8	1001.1	1000.4	999.7	999.3	999.3	999.3	999.3	999.3	1000.4	1001.4
177.5°	1005.5	1005.0	1004.4	1003.8	1003.5	1003.4	1003.2	1003.1	1002.9	1003.8	1004.6
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8



TEST NUMBER: P333623

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A1

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	16.4	15.9	16.0	16.7	17.5
90°	15.1	16.0	16.7	17.2	17.7	18.2	18.8
92.5°	33.5	34.6	35.4	35.8	36.1	36.5	36.9
95°	63.9	65.1	65.9	66.2	66.6	66.9	67.2
97.5°	99.3	100.5	101.1	101.3	101.5	101.8	102.0
100°	124.3	125.9	126.9	127.2	127.5	127.9	128.2
102.5°	149.8	151.5	152.6	153.1	153.5	154.0	154.5
105°	190.0	191.1	191.8	192.4	192.9	193.4	193.9
107.5°	233.6	234.2	234.4	234.4	234.3	234.3	234.3
110°	264.3	264.8	265.0	264.8	264.6	264.5	264.3



TEST NUMBER: P333623

CATALOG NUMBER: S125RDIP-S1270D810U835-4F0-1E-UDD-A1

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
112.5°	294.7	295.0	295.0	294.6	294.3	294.0	293.7
115°	341.2	341.0	340.8	340.7	340.5	340.3	340.2
117.5°	388.4	388.6	388.3	387.6	386.9	386.2	385.5
120°	419.9	419.9	419.6	418.9	418.2	417.5	416.8
122.5°	450.8	450.6	450.3	449.7	449.2	448.6	448.1
125°	496.3	495.9	495.7	495.5	495.3	495.2	495.0
127.5°	541.8	541.7	541.4	541.1	540.7	540.4	540.0
130°	571.9	571.7	571.4	571.1	570.7	570.4	570.0
132.5°	600.6	600.5	600.1	599.7	599.2	598.7	598.2
135°	645.1	645.1	644.8	644.1	643.4	642.7	642.0
137.5°	688.4	688.6	688.3	687.4	686.6	685.7	684.8
140°	715.7	716.1	715.8	715.0	714.1	713.2	712.4
142.5°	742.2	742.4	742.1	741.2	740.4	739.5	738.6
145°	780.4	780.4	780.1	779.6	779.1	778.6	778.0
147.5°	816.4	816.8	816.4	815.2	814.0	812.9	811.7
150°	838.3	838.3	838.1	837.7	837.4	837.0	836.7
152.5°	859.5	859.9	859.8	859.2	858.6	858.0	857.3
155°	889.6	890.3	890.2	889.3	888.5	887.6	886.7
157.5°	915.4	916.1	915.9	914.7	913.6	912.4	911.3
160°	931.0	931.7	931.7	930.8	929.9	929.0	928.2
162.5°	945.9	946.7	946.6	945.6	944.6	943.6	942.6
165°	965.5	966.1	966.0	964.9	963.9	962.8	961.8
167.5°	980.4	981.5	981.4	980.4	979.3	978.2	977.1
170°	989.2	990.2	990.1	988.9	987.7	986.5	985.3
172.5°	995.4	996.5	996.5	995.4	994.3	993.2	992.1
175°	1002.5	1003.5	1003.4	1002.2	1001.0	999.8	998.6
177.5°	1005.4	1006.3	1006.2	1005.2	1004.3	1003.3	1002.3
180°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8

(END OF REPORT)