

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: P333721

Luminaire Tested: **S125RDIW-S1270D470U835-4F0-1E-UDD-A1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333721  
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: S125RDIW-S1270D470U835-4F0-1E-UDD-A1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 1270 LUMENS PER FOOT, ASYMMETRIC DIFFUSER, REGRESSED HOUSING  
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

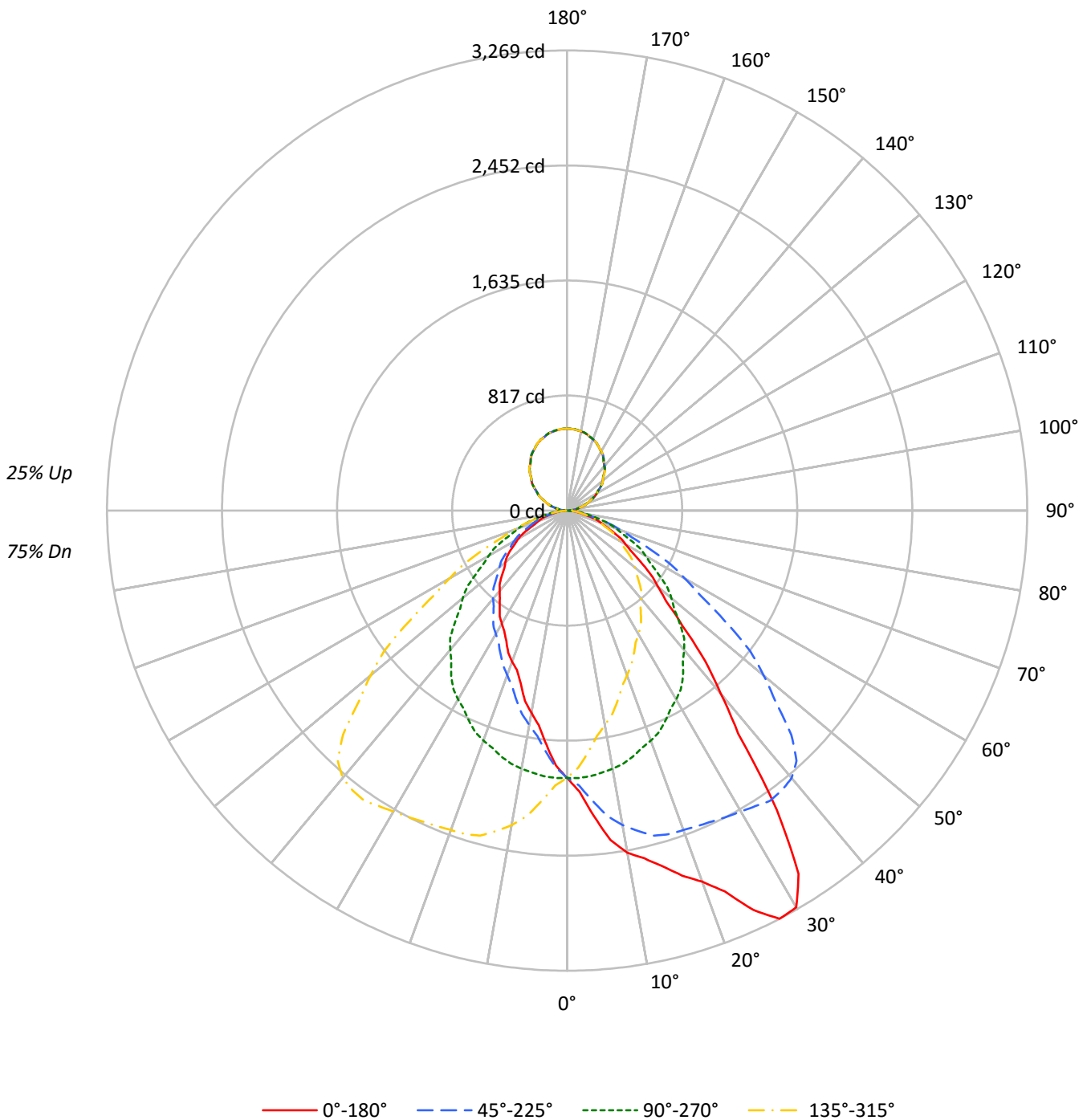
Lumens per Lamp: N/A  
Luminaire Lumens: 6546.2 lumens  
Efficiency: N/A  
Efficacy: 124.9 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1.22 / 1.47  
Luminous Opening: Rectangular (W 4' x L: 0.42' x H: 0')  
CIE Type: Semi-Direct  
  
Input Watts (W): 52.4  
Input Voltage (V): 120  
Input Current (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	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75
1	104	100	96	93	99	95	92	89	87	84	82	79	77	75	71	70	68	65
2	95	88	82	77	90	84	79	74	77	72	69	70	66	63	63	61	58	55
3	87	78	70	65	83	74	68	62	68	63	58	62	58	54	57	53	50	47
4	80	69	61	55	76	66	59	54	61	55	50	56	51	47	51	47	44	41
5	74	62	54	48	70	60	52	46	55	48	44	50	45	41	46	42	38	36
6	68	56	48	42	65	54	46	41	50	43	38	46	40	36	42	38	34	32
7	63	51	43	37	60	49	41	36	45	39	34	42	36	32	38	34	30	28
8	59	46	38	33	56	45	37	32	41	35	31	38	33	29	35	31	27	25
9	55	42	35	30	52	41	34	29	38	32	27	35	30	26	33	28	25	23
10	51	39	32	27	49	38	31	26	35	29	25	33	27	24	30	26	23	21

**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	2.8
10°-20°	533.6	8.2
20°-30°	846.1	12.9
30°-40°	1020.3	15.6
40°-50°	911.2	13.9
50°-60°	698.8	10.7
60°-70°	454.1	6.9
70°-80°	220.8	3.4
80°-90°	54.0	0.8
90°-100°	39.0	0.6
100°-110°	115.2	1.8
110°-120°	195.1	3.0
120°-130°	256.8	3.9
130°-140°	287.7	4.4
140°-150°	282.0	4.3
150°-160°	236.9	3.6
160°-170°	157.4	2.4
170°-180°	55.1	0.8
0°-30°	1561.8	23.9
0°-40°	2582.2	39.4
0°-60°	4192.1	64.0
0°-90°	4921.0	75.2
90°-120°	349.3	5.3
90°-150°	1175.8	18.0
90°-180°	1625.0	24.8
0°-180°	6546.2	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	41
90°	11	0	11	0	11	8
95°	39	30	39	30	39	40
105°	112	103	112	103	112	119
115°	197	195	197	195	197	195
125°	287	285	287	285	287	256
135°	372	371	372	371	372	287
145°	451	449	451	449	451	282
155°	514	514	514	514	514	237
165°	558	559	558	559	558	157
175°	579	581	579	581	579	55
180°	582	582	582	582	582	



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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°	15.9	15.2	14.5	14.5	15.0	16.2	15.5	14.7	14.6	14.5	15.0
90°	10.9	10.6	10.3	10.0	9.7	9.3	8.8	8.3	7.8	7.3	6.5
92.5°	21.4	21.2	20.9	20.7	20.5	20.1	19.4	18.7	18.1	17.4	16.5
95°	39.0	38.8	38.6	38.4	38.2	37.7	37.0	36.3	35.6	34.9	33.9
97.5°	59.1	59.0	58.9	58.7	58.6	58.2	57.6	56.9	56.2	55.6	54.2
100°	74.3	74.1	73.9	73.7	73.5	73.0	72.1	71.2	70.3	69.3	68.0
102.5°	89.6	89.3	89.0	88.7	88.4	87.8	86.8	85.8	84.8	83.8	83.2
105°	112.4	112.1	111.8	111.5	111.2	110.7	110.1	109.5	108.9	108.3	107.7
107.5°	135.8	135.8	135.8	135.9	135.9	135.7	135.4	135.1	134.8	134.5	134.1
110°	153.2	153.3	153.4	153.5	153.6	153.5	153.2	152.9	152.6	152.3	152.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	170.2	170.4	170.6	170.8	171.0	171.0	170.8	170.7	170.6	170.4	170.0
115°	197.2	197.3	197.4	197.5	197.6	197.7	197.8	197.9	198.0	198.1	197.9
117.5°	223.4	223.8	224.3	224.7	225.1	225.2	225.1	225.1	225.0	224.9	224.7
120°	241.6	242.0	242.4	242.8	243.2	243.4	243.4	243.4	243.4	243.4	243.3
122.5°	259.7	260.0	260.4	260.7	261.0	261.2	261.3	261.4	261.4	261.5	261.3
125°	286.9	287.0	287.1	287.2	287.3	287.5	287.7	287.9	288.1	288.3	288.2
127.5°	313.0	313.2	313.4	313.6	313.8	314.0	314.1	314.2	314.3	314.4	314.2
130°	330.4	330.6	330.8	331.0	331.2	331.4	331.5	331.6	331.7	331.8	331.6
132.5°	346.7	347.0	347.3	347.6	347.9	348.0	348.1	348.2	348.3	348.4	348.5
135°	372.1	372.5	372.9	373.3	373.7	373.9	373.9	373.9	373.9	373.9	373.8
137.5°	396.9	397.4	398.0	398.5	399.0	399.2	399.0	398.9	398.8	398.7	398.4
140°	412.9	413.4	413.9	414.4	414.9	415.1	414.9	414.7	414.5	414.3	414.0
142.5°	428.1	428.6	429.1	429.6	430.1	430.3	430.2	430.1	430.0	429.9	429.5
145°	451.0	451.3	451.6	451.9	452.2	452.3	452.3	452.3	452.3	452.3	452.0
147.5°	470.5	471.1	471.8	472.5	473.2	473.4	473.2	472.9	472.7	472.5	472.2
150°	485.0	485.2	485.4	485.6	485.8	485.9	485.9	485.9	485.9	485.9	485.5
152.5°	496.9	497.3	497.7	498.0	498.4	498.4	498.2	498.0	497.7	497.5	497.3
155°	514.0	514.5	515.0	515.5	516.0	516.0	515.6	515.2	514.8	514.4	514.3
157.5°	528.2	528.9	529.5	530.2	530.9	531.0	530.6	530.2	529.8	529.4	529.3
160°	538.0	538.5	539.0	539.5	540.0	540.1	539.7	539.3	538.9	538.4	538.3
162.5°	546.3	546.9	547.5	548.1	548.7	548.7	548.2	547.8	547.3	546.8	546.8
165°	557.5	558.1	558.7	559.3	559.9	560.0	559.6	559.2	558.8	558.4	558.3
167.5°	566.4	567.0	567.6	568.2	568.9	568.9	568.3	567.7	567.1	566.5	566.5
170°	571.1	571.8	572.5	573.2	573.9	574.0	573.3	572.7	572.1	571.5	571.5
172.5°	575.1	575.7	576.3	576.9	577.6	577.6	577.0	576.4	575.8	575.2	575.2
175°	578.8	579.5	580.2	580.9	581.6	581.7	581.1	580.4	579.8	579.2	579.2
177.5°	581.0	581.5	582.1	582.7	583.2	583.3	582.8	582.3	581.8	581.3	581.4
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



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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°	15.5	15.4	15.9	15.7	14.9	17.9	19.6	20.0	19.0	17.9	16.8
90°	5.8	5.1	4.4	3.7	2.9	2.1	1.3	0.5	1.3	2.1	2.9
92.5°	15.7	14.8	13.9	13.2	12.7	12.1	11.5	11.0	11.5	12.1	12.7
95°	32.9	31.9	30.9	30.3	30.1	29.9	29.7	29.5	29.7	29.9	30.1
97.5°	52.8	51.4	50.0	49.3	49.2	49.1	49.0	48.9	49.0	49.1	49.2
100°	66.7	65.4	64.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
102.5°	82.5	81.9	81.2	80.7	80.3	79.9	79.4	79.0	79.4	79.9	80.3
105°	107.1	106.5	105.9	105.4	104.8	104.3	103.8	103.3	103.8	104.3	104.8
107.5°	133.6	133.1	132.7	132.2	131.7	131.2	130.7	130.2	130.7	131.2	131.7
110°	151.7	151.4	151.1	150.7	150.2	149.7	149.2	148.7	149.2	149.7	150.2





TEST NUMBER: P333721

CATALOG NUMBER: S125RDIW-S1270D470U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	169.7	169.3	168.9	168.6	168.3	168.0	167.8	167.5	167.8	168.0	168.3
115°	197.7	197.5	197.3	197.0	196.6	196.2	195.7	195.3	195.7	196.2	196.6
117.5°	224.5	224.4	224.2	224.0	223.8	223.6	223.4	223.3	223.4	223.6	223.8
120°	243.2	243.1	243.0	242.7	242.2	241.7	241.2	240.7	241.2	241.7	242.2
122.5°	261.0	260.7	260.5	260.2	260.1	259.9	259.7	259.5	259.7	259.9	260.1
125°	288.1	288.0	287.9	287.5	286.9	286.3	285.7	285.1	285.7	286.3	286.9
127.5°	314.1	314.0	313.9	313.7	313.3	313.0	312.6	312.3	312.6	313.0	313.3
130°	331.4	331.2	331.0	330.6	330.1	329.6	329.1	328.6	329.1	329.6	330.1
132.5°	348.5	348.6	348.6	348.2	347.4	346.6	345.7	344.9	345.7	346.6	347.4
135°	373.7	373.6	373.5	373.2	372.6	372.0	371.4	370.7	371.4	372.0	372.6
137.5°	398.2	398.0	397.8	397.4	396.8	396.2	395.6	395.0	395.6	396.2	396.8
140°	413.7	413.4	413.1	412.6	412.1	411.6	411.1	410.6	411.1	411.6	412.1
142.5°	429.1	428.7	428.3	427.9	427.5	427.1	426.6	426.2	426.6	427.1	427.5
145°	451.7	451.4	451.1	450.8	450.4	450.0	449.6	449.2	449.6	450.0	450.4
147.5°	472.0	471.7	471.5	471.3	471.0	470.8	470.6	470.4	470.6	470.8	471.0
150°	485.1	484.7	484.3	484.1	484.2	484.3	484.4	484.5	484.4	484.3	484.2
152.5°	497.2	497.0	496.8	496.7	496.5	496.4	496.3	496.1	496.3	496.4	496.5
155°	514.2	514.1	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0	514.0
157.5°	529.2	529.1	529.0	529.0	529.3	529.5	529.7	529.9	529.7	529.5	529.3
160°	538.2	538.1	538.0	538.1	538.4	538.7	539.1	539.4	539.1	538.7	538.4
162.5°	546.7	546.7	546.7	546.8	547.0	547.3	547.5	547.7	547.5	547.3	547.0
165°	558.2	558.1	558.0	558.0	558.2	558.4	558.6	558.8	558.6	558.4	558.2
167.5°	566.5	566.5	566.5	566.7	567.1	567.5	567.9	568.3	567.9	567.5	567.1
170°	571.5	571.5	571.5	571.7	572.1	572.5	572.9	573.3	572.9	572.5	572.1
172.5°	575.2	575.2	575.2	575.4	575.8	576.2	576.6	577.0	576.6	576.2	575.8
175°	579.2	579.2	579.2	579.4	579.8	580.2	580.6	581.1	580.6	580.2	579.8
177.5°	581.5	581.6	581.6	581.8	582.2	582.5	582.8	583.1	582.8	582.5	582.2
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



TEST NUMBER: P333721

CATALOG NUMBER: S125RDIW-S1270D470U835-4F0-1E-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°	16.3	16.5	16.0	17.4	15.7	16.4	16.5	16.0	16.1	16.2	15.7
90°	3.7	4.4	5.1	5.8	6.5	7.3	7.8	8.3	8.8	9.3	9.7
92.5°	13.2	13.9	14.8	15.7	16.5	17.4	18.1	18.7	19.4	20.1	20.5
95°	30.3	30.9	31.9	32.9	33.9	34.9	35.6	36.3	37.0	37.7	38.2
97.5°	49.3	50.0	51.4	52.8	54.2	55.6	56.2	56.9	57.6	58.2	58.6
100°	63.5	64.1	65.4	66.7	68.0	69.3	70.3	71.2	72.1	73.0	73.5
102.5°	80.7	81.2	81.9	82.5	83.2	83.8	84.8	85.8	86.8	87.8	88.4
105°	105.4	105.9	106.5	107.1	107.7	108.3	108.9	109.5	110.1	110.7	111.2
107.5°	132.2	132.7	133.1	133.6	134.1	134.5	134.8	135.1	135.4	135.7	135.9
110°	150.7	151.1	151.4	151.7	152.0	152.3	152.6	152.9	153.2	153.5	153.6



TEST NUMBER: P333721

CATALOG NUMBER: S125RDIW-S1270D470U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
112.5°	168.6	168.9	169.3	169.7	170.0	170.4	170.6	170.7	170.8	171.0	171.0
115°	197.0	197.3	197.5	197.7	197.9	198.1	198.0	197.9	197.8	197.7	197.6
117.5°	224.0	224.2	224.4	224.5	224.7	224.9	225.0	225.1	225.1	225.2	225.1
120°	242.7	243.0	243.1	243.2	243.3	243.4	243.4	243.4	243.4	243.4	243.2
122.5°	260.2	260.5	260.7	261.0	261.3	261.5	261.4	261.4	261.3	261.2	261.0
125°	287.5	287.9	288.0	288.1	288.2	288.3	288.1	287.9	287.7	287.5	287.3
127.5°	313.7	313.9	314.0	314.1	314.2	314.4	314.3	314.2	314.1	314.0	313.8
130°	330.6	331.0	331.2	331.4	331.6	331.8	331.7	331.6	331.5	331.4	331.2
132.5°	348.2	348.6	348.6	348.5	348.5	348.4	348.3	348.2	348.1	348.0	347.9
135°	373.2	373.5	373.6	373.7	373.8	373.9	373.9	373.9	373.9	373.9	373.7
137.5°	397.4	397.8	398.0	398.2	398.4	398.7	398.8	398.9	399.0	399.2	399.0
140°	412.6	413.1	413.4	413.7	414.0	414.3	414.5	414.7	414.9	415.1	414.9
142.5°	427.9	428.3	428.7	429.1	429.5	429.9	430.0	430.1	430.2	430.3	430.1
145°	450.8	451.1	451.4	451.7	452.0	452.3	452.3	452.3	452.3	452.3	452.2
147.5°	471.3	471.5	471.7	472.0	472.2	472.5	472.7	472.9	473.2	473.4	473.2
150°	484.1	484.3	484.7	485.1	485.5	485.9	485.9	485.9	485.9	485.9	485.8
152.5°	496.7	496.8	497.0	497.2	497.3	497.5	497.7	498.0	498.2	498.4	498.4
155°	514.0	514.0	514.1	514.2	514.3	514.4	514.8	515.2	515.6	516.0	516.0
157.5°	529.0	529.0	529.1	529.2	529.3	529.4	529.8	530.2	530.6	531.0	530.9
160°	538.1	538.0	538.1	538.2	538.3	538.4	538.9	539.3	539.7	540.1	540.0
162.5°	546.8	546.7	546.7	546.7	546.8	546.8	547.3	547.8	548.2	548.7	548.7
165°	558.0	558.0	558.1	558.2	558.3	558.4	558.8	559.2	559.6	560.0	559.9
167.5°	566.7	566.5	566.5	566.5	566.5	566.5	567.1	567.7	568.3	568.9	568.9
170°	571.7	571.5	571.5	571.5	571.5	571.5	572.1	572.7	573.3	574.0	573.9
172.5°	575.4	575.2	575.2	575.2	575.2	575.2	575.8	576.4	577.0	577.6	577.6
175°	579.4	579.2	579.2	579.2	579.2	579.2	579.8	580.4	581.1	581.7	581.6
177.5°	581.8	581.6	581.6	581.5	581.4	581.3	581.8	582.3	582.8	583.3	583.2
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



TEST NUMBER: P333721

CATALOG NUMBER: S125RDIW-S1270D470U835-4F0-1E-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°	16.3	15.8	15.8	15.9	15.8	15.8	16.3	15.7	16.2	16.1	16.0
90°	10.0	10.3	10.6	10.9	10.6	10.3	10.0	9.7	9.3	8.8	8.3
92.5°	20.7	20.9	21.2	21.4	21.2	20.9	20.7	20.5	20.1	19.4	18.7
95°	38.4	38.6	38.8	39.0	38.8	38.6	38.4	38.2	37.7	37.0	36.3
97.5°	58.7	58.9	59.0	59.1	59.0	58.9	58.7	58.6	58.2	57.6	56.9
100°	73.7	73.9	74.1	74.3	74.1	73.9	73.7	73.5	73.0	72.1	71.2
102.5°	88.7	89.0	89.3	89.6	89.3	89.0	88.7	88.4	87.8	86.8	85.8
105°	111.5	111.8	112.1	112.4	112.1	111.8	111.5	111.2	110.7	110.1	109.5
107.5°	135.9	135.8	135.8	135.8	135.8	135.8	135.9	135.9	135.7	135.4	135.1
110°	153.5	153.4	153.3	153.2	153.3	153.4	153.5	153.6	153.5	153.2	152.9



TEST NUMBER: P333721

CATALOG NUMBER: S125RDIW-S1270D470U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
112.5°	170.8	170.6	170.4	170.2	170.4	170.6	170.8	171.0	171.0	170.8	170.7
115°	197.5	197.4	197.3	197.2	197.3	197.4	197.5	197.6	197.7	197.8	197.9
117.5°	224.7	224.3	223.8	223.4	223.8	224.3	224.7	225.1	225.2	225.1	225.1
120°	242.8	242.4	242.0	241.6	242.0	242.4	242.8	243.2	243.4	243.4	243.4
122.5°	260.7	260.4	260.0	259.7	260.0	260.4	260.7	261.0	261.2	261.3	261.4
125°	287.2	287.1	287.0	286.9	287.0	287.1	287.2	287.3	287.5	287.7	287.9
127.5°	313.6	313.4	313.2	313.0	313.2	313.4	313.6	313.8	314.0	314.1	314.2
130°	331.0	330.8	330.6	330.4	330.6	330.8	331.0	331.2	331.4	331.5	331.6
132.5°	347.6	347.3	347.0	346.7	347.0	347.3	347.6	347.9	348.0	348.1	348.2
135°	373.3	372.9	372.5	372.1	372.5	372.9	373.3	373.7	373.9	373.9	373.9
137.5°	398.5	398.0	397.4	396.9	397.4	398.0	398.5	399.0	399.2	399.0	398.9
140°	414.4	413.9	413.4	412.9	413.4	413.9	414.4	414.9	415.1	414.9	414.7
142.5°	429.6	429.1	428.6	428.1	428.6	429.1	429.6	430.1	430.3	430.2	430.1
145°	451.9	451.6	451.3	451.0	451.3	451.6	451.9	452.2	452.3	452.3	452.3
147.5°	472.5	471.8	471.1	470.5	471.1	471.8	472.5	473.2	473.4	473.2	472.9
150°	485.6	485.4	485.2	485.0	485.2	485.4	485.6	485.8	485.9	485.9	485.9
152.5°	498.0	497.7	497.3	496.9	497.3	497.7	498.0	498.4	498.4	498.2	498.0
155°	515.5	515.0	514.5	514.0	514.5	515.0	515.5	516.0	516.0	515.6	515.2
157.5°	530.2	529.5	528.9	528.2	528.9	529.5	530.2	530.9	531.0	530.6	530.2
160°	539.5	539.0	538.5	538.0	538.5	539.0	539.5	540.0	540.1	539.7	539.3
162.5°	548.1	547.5	546.9	546.3	546.9	547.5	548.1	548.7	548.7	548.2	547.8
165°	559.3	558.7	558.1	557.5	558.1	558.7	559.3	559.9	560.0	559.6	559.2
167.5°	568.2	567.6	567.0	566.4	567.0	567.6	568.2	568.9	568.9	568.3	567.7
170°	573.2	572.5	571.8	571.1	571.8	572.5	573.2	573.9	574.0	573.3	572.7
172.5°	576.9	576.3	575.7	575.1	575.7	576.3	576.9	577.6	577.6	577.0	576.4
175°	580.9	580.2	579.5	578.8	579.5	580.2	580.9	581.6	581.7	581.1	580.4
177.5°	582.7	582.1	581.5	581.0	581.5	582.1	582.7	583.2	583.3	582.8	582.3
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



TEST NUMBER: P333721

CATALOG NUMBER: S125RDIW-S1270D470U835-4F0-1E-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°	16.5	16.4	15.7	17.4	16.0	16.5	16.3	16.8	17.9	19.0	20.0
90°	7.8	7.3	6.5	5.8	5.1	4.4	3.7	2.9	2.1	1.3	0.5
92.5°	18.1	17.4	16.5	15.7	14.8	13.9	13.2	12.7	12.1	11.5	11.0
95°	35.6	34.9	33.9	32.9	31.9	30.9	30.3	30.1	29.9	29.7	29.5
97.5°	56.2	55.6	54.2	52.8	51.4	50.0	49.3	49.2	49.1	49.0	48.9
100°	70.3	69.3	68.0	66.7	65.4	64.1	63.5	63.5	63.5	63.5	63.5
102.5°	84.8	83.8	83.2	82.5	81.9	81.2	80.7	80.3	79.9	79.4	79.0
105°	108.9	108.3	107.7	107.1	106.5	105.9	105.4	104.8	104.3	103.8	103.3
107.5°	134.8	134.5	134.1	133.6	133.1	132.7	132.2	131.7	131.2	130.7	130.2
110°	152.6	152.3	152.0	151.7	151.4	151.1	150.7	150.2	149.7	149.2	148.7



TEST NUMBER: P333721

CATALOG NUMBER: S125RDIW-S1270D470U835-4F0-1E-UDD-A1

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
112.5°	170.6	170.4	170.0	169.7	169.3	168.9	168.6	168.3	168.0	167.8	167.5
115°	198.0	198.1	197.9	197.7	197.5	197.3	197.0	196.6	196.2	195.7	195.3
117.5°	225.0	224.9	224.7	224.5	224.4	224.2	224.0	223.8	223.6	223.4	223.3
120°	243.4	243.4	243.3	243.2	243.1	243.0	242.7	242.2	241.7	241.2	240.7
122.5°	261.4	261.5	261.3	261.0	260.7	260.5	260.2	260.1	259.9	259.7	259.5
125°	288.1	288.3	288.2	288.1	288.0	287.9	287.5	286.9	286.3	285.7	285.1
127.5°	314.3	314.4	314.2	314.1	314.0	313.9	313.7	313.3	313.0	312.6	312.3
130°	331.7	331.8	331.6	331.4	331.2	331.0	330.6	330.1	329.6	329.1	328.6
132.5°	348.3	348.4	348.5	348.5	348.6	348.6	348.2	347.4	346.6	345.7	344.9
135°	373.9	373.9	373.8	373.7	373.6	373.5	373.2	372.6	372.0	371.4	370.7
137.5°	398.8	398.7	398.4	398.2	398.0	397.8	397.4	396.8	396.2	395.6	395.0
140°	414.5	414.3	414.0	413.7	413.4	413.1	412.6	412.1	411.6	411.1	410.6
142.5°	430.0	429.9	429.5	429.1	428.7	428.3	427.9	427.5	427.1	426.6	426.2
145°	452.3	452.3	452.0	451.7	451.4	451.1	450.8	450.4	450.0	449.6	449.2
147.5°	472.7	472.5	472.2	472.0	471.7	471.5	471.3	471.0	470.8	470.6	470.4
150°	485.9	485.9	485.5	485.1	484.7	484.3	484.1	484.2	484.3	484.4	484.5
152.5°	497.7	497.5	497.3	497.2	497.0	496.8	496.7	496.5	496.4	496.3	496.1
155°	514.8	514.4	514.3	514.2	514.1	514.0	514.0	514.0	514.0	514.0	514.0
157.5°	529.8	529.4	529.3	529.2	529.1	529.0	529.0	529.3	529.5	529.7	529.9
160°	538.9	538.4	538.3	538.2	538.1	538.0	538.1	538.4	538.7	539.1	539.4
162.5°	547.3	546.8	546.8	546.7	546.7	546.7	546.8	547.0	547.3	547.5	547.7
165°	558.8	558.4	558.3	558.2	558.1	558.0	558.0	558.2	558.4	558.6	558.8
167.5°	567.1	566.5	566.5	566.5	566.5	566.5	566.7	567.1	567.5	567.9	568.3
170°	572.1	571.5	571.5	571.5	571.5	571.5	571.7	572.1	572.5	572.9	573.3
172.5°	575.8	575.2	575.2	575.2	575.2	575.2	575.4	575.8	576.2	576.6	577.0
175°	579.8	579.2	579.2	579.2	579.2	579.2	579.4	579.8	580.2	580.6	581.1
177.5°	581.8	581.3	581.4	581.5	581.6	581.6	581.8	582.2	582.5	582.8	583.1
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



TEST NUMBER: P333721

CATALOG NUMBER: S125RDIW-S1270D470U835-4F0-1E-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°	19.6	17.9	14.9	15.7	15.9	15.4	15.5	15.0	14.5	14.6	14.7
90°	1.3	2.1	2.9	3.7	4.4	5.1	5.8	6.5	7.3	7.8	8.3
92.5°	11.5	12.1	12.7	13.2	13.9	14.8	15.7	16.5	17.4	18.1	18.7
95°	29.7	29.9	30.1	30.3	30.9	31.9	32.9	33.9	34.9	35.6	36.3
97.5°	49.0	49.1	49.2	49.3	50.0	51.4	52.8	54.2	55.6	56.2	56.9
100°	63.5	63.5	63.5	63.5	64.1	65.4	66.7	68.0	69.3	70.3	71.2
102.5°	79.4	79.9	80.3	80.7	81.2	81.9	82.5	83.2	83.8	84.8	85.8
105°	103.8	104.3	104.8	105.4	105.9	106.5	107.1	107.7	108.3	108.9	109.5
107.5°	130.7	131.2	131.7	132.2	132.7	133.1	133.6	134.1	134.5	134.8	135.1
110°	149.2	149.7	150.2	150.7	151.1	151.4	151.7	152.0	152.3	152.6	152.9





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**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
112.5°	167.8	168.0	168.3	168.6	168.9	169.3	169.7	170.0	170.4	170.6	170.7
115°	195.7	196.2	196.6	197.0	197.3	197.5	197.7	197.9	198.1	198.0	197.9
117.5°	223.4	223.6	223.8	224.0	224.2	224.4	224.5	224.7	224.9	225.0	225.1
120°	241.2	241.7	242.2	242.7	243.0	243.1	243.2	243.3	243.4	243.4	243.4
122.5°	259.7	259.9	260.1	260.2	260.5	260.7	261.0	261.3	261.5	261.4	261.4
125°	285.7	286.3	286.9	287.5	287.9	288.0	288.1	288.2	288.3	288.1	287.9
127.5°	312.6	313.0	313.3	313.7	313.9	314.0	314.1	314.2	314.4	314.3	314.2
130°	329.1	329.6	330.1	330.6	331.0	331.2	331.4	331.6	331.8	331.7	331.6
132.5°	345.7	346.6	347.4	348.2	348.6	348.6	348.5	348.5	348.4	348.3	348.2
135°	371.4	372.0	372.6	373.2	373.5	373.6	373.7	373.8	373.9	373.9	373.9
137.5°	395.6	396.2	396.8	397.4	397.8	398.0	398.2	398.4	398.7	398.8	398.9
140°	411.1	411.6	412.1	412.6	413.1	413.4	413.7	414.0	414.3	414.5	414.7
142.5°	426.6	427.1	427.5	427.9	428.3	428.7	429.1	429.5	429.9	430.0	430.1
145°	449.6	450.0	450.4	450.8	451.1	451.4	451.7	452.0	452.3	452.3	452.3
147.5°	470.6	470.8	471.0	471.3	471.5	471.7	472.0	472.2	472.5	472.7	472.9
150°	484.4	484.3	484.2	484.1	484.3	484.7	485.1	485.5	485.9	485.9	485.9
152.5°	496.3	496.4	496.5	496.7	496.8	497.0	497.2	497.3	497.5	497.7	498.0
155°	514.0	514.0	514.0	514.0	514.0	514.1	514.2	514.3	514.4	514.8	515.2
157.5°	529.7	529.5	529.3	529.0	529.0	529.1	529.2	529.3	529.4	529.8	530.2
160°	539.1	538.7	538.4	538.1	538.0	538.1	538.2	538.3	538.4	538.9	539.3
162.5°	547.5	547.3	547.0	546.8	546.7	546.7	546.7	546.8	546.8	547.3	547.8
165°	558.6	558.4	558.2	558.0	558.0	558.1	558.2	558.3	558.4	558.8	559.2
167.5°	567.9	567.5	567.1	566.7	566.5	566.5	566.5	566.5	566.5	567.1	567.7
170°	572.9	572.5	572.1	571.7	571.5	571.5	571.5	571.5	571.5	572.1	572.7
172.5°	576.6	576.2	575.8	575.4	575.2	575.2	575.2	575.2	575.2	575.8	576.4
175°	580.6	580.2	579.8	579.4	579.2	579.2	579.2	579.2	579.2	579.8	580.4
177.5°	582.8	582.5	582.2	581.8	581.6	581.6	581.5	581.4	581.3	581.8	582.3
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4	582.4



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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°	15.5	16.2	15.0	14.5	14.5	15.2	15.9
90°	8.8	9.3	9.7	10.0	10.3	10.6	10.9
92.5°	19.4	20.1	20.5	20.7	20.9	21.2	21.4
95°	37.0	37.7	38.2	38.4	38.6	38.8	39.0
97.5°	57.6	58.2	58.6	58.7	58.9	59.0	59.1
100°	72.1	73.0	73.5	73.7	73.9	74.1	74.3
102.5°	86.8	87.8	88.4	88.7	89.0	89.3	89.6
105°	110.1	110.7	111.2	111.5	111.8	112.1	112.4
107.5°	135.4	135.7	135.9	135.9	135.8	135.8	135.8
110°	153.2	153.5	153.6	153.5	153.4	153.3	153.2



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**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
112.5°	170.8	171.0	171.0	170.8	170.6	170.4	170.2
115°	197.8	197.7	197.6	197.5	197.4	197.3	197.2
117.5°	225.1	225.2	225.1	224.7	224.3	223.8	223.4
120°	243.4	243.4	243.2	242.8	242.4	242.0	241.6
122.5°	261.3	261.2	261.0	260.7	260.4	260.0	259.7
125°	287.7	287.5	287.3	287.2	287.1	287.0	286.9
127.5°	314.1	314.0	313.8	313.6	313.4	313.2	313.0
130°	331.5	331.4	331.2	331.0	330.8	330.6	330.4
132.5°	348.1	348.0	347.9	347.6	347.3	347.0	346.7
135°	373.9	373.9	373.7	373.3	372.9	372.5	372.1
137.5°	399.0	399.2	399.0	398.5	398.0	397.4	396.9
140°	414.9	415.1	414.9	414.4	413.9	413.4	412.9
142.5°	430.2	430.3	430.1	429.6	429.1	428.6	428.1
145°	452.3	452.3	452.2	451.9	451.6	451.3	451.0
147.5°	473.2	473.4	473.2	472.5	471.8	471.1	470.5
150°	485.9	485.9	485.8	485.6	485.4	485.2	485.0
152.5°	498.2	498.4	498.4	498.0	497.7	497.3	496.9
155°	515.6	516.0	516.0	515.5	515.0	514.5	514.0
157.5°	530.6	531.0	530.9	530.2	529.5	528.9	528.2
160°	539.7	540.1	540.0	539.5	539.0	538.5	538.0
162.5°	548.2	548.7	548.7	548.1	547.5	546.9	546.3
165°	559.6	560.0	559.9	559.3	558.7	558.1	557.5
167.5°	568.3	568.9	568.9	568.2	567.6	567.0	566.4
170°	573.3	574.0	573.9	573.2	572.5	571.8	571.1
172.5°	577.0	577.6	577.6	576.9	576.3	575.7	575.1
175°	581.1	581.7	581.6	580.9	580.2	579.5	578.8
177.5°	582.8	583.3	583.2	582.7	582.1	581.5	581.0
180°	582.4	582.4	582.4	582.4	582.4	582.4	582.4

(END OF REPORT)