

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: HALO

Report Number: P888025

Luminaire Tested: RLS6159FS1EMBDMR-5000K

Issue Date: 10/10/2024

Test Information

Test Method: LM-79-2019
Report Number: P888025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2403161B001)
Test Lab: INNOVATION CENTER
Issue Date: 10/10/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: RLS6159FS1EMBDMR-5000K
Description:
Light Source: -
Ballast/Driver: -

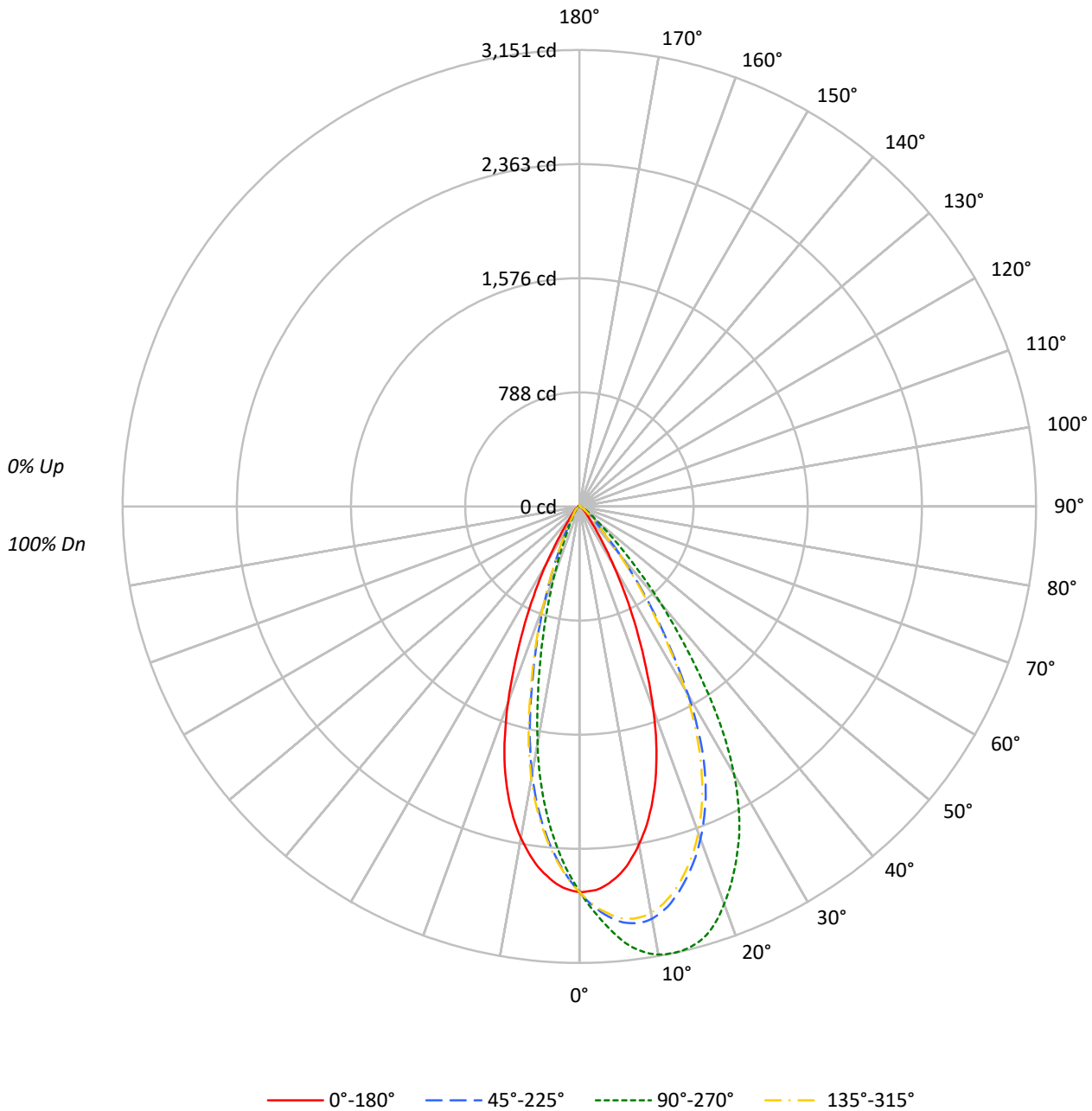
Summary

Lumens per Lamp: 1656.4 (1 lamp)
Luminaire Lumens: 1785.0 lumens
Efficiency: 107.8%
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.67 x H: 0)
CIE Type: Direct

Input Watts (W): 19.7
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: 24 FT

TEST NUMBER: P888025
CATALOG NUMBER: RLS6159FS1EMBDMR-5000K

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	128	128	128	128	125	125	125	125	120	120	120	114	114	114	110	110	110	108
1	122	120	117	115	120	117	115	113	113	111	109	109	107	106	105	104	103	101
2	117	112	107	104	114	110	106	103	106	103	100	103	100	98	100	98	96	94
3	111	104	99	95	109	103	98	94	100	96	93	97	94	91	95	92	90	88
4	106	98	92	88	104	96	91	87	94	90	86	92	88	85	90	87	84	82
5	101	92	86	81	99	91	85	81	89	84	80	87	83	79	85	82	79	77
6	96	87	80	76	94	86	80	76	84	79	75	83	78	75	81	77	74	73
7	91	82	75	71	90	81	75	71	80	74	70	78	74	70	77	73	70	68
8	87	77	71	67	86	77	71	67	76	70	66	74	70	66	73	69	66	64
9	83	73	67	63	82	73	67	63	72	66	63	71	66	62	70	66	62	61
10	80	70	64	60	79	69	63	60	68	63	59	67	63	59	67	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	81235	81235	81235	81235
5°	79535	91254	78462	68606
10°	73430	97387	71979	51518
15°	63407	98713	61862	31756
20°	48549	94915	46730	16258
25°	31379	87298	29850	7024
30°	16992	75312	15984	3663
35°	7685	55980	6936	2423
40°	4169	34793	3655	1809
45°	2837	17810	2565	1317
50°	2161	8198	1919	741
55°	1469	4743	1427	426
60°	775	3371	757	177
65°	390	1799	361	65
70°	152	902	62	18
75°	47	366	0	0
80°	0	0	0	0
85°	0	0	0	35

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 17810 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	241.1	13.5	14.6
10°-20°	554.1	31.0	33.5
20°-30°	531.5	29.8	32.1
30°-40°	307.6	17.2	18.6
40°-50°	103.6	5.8	6.3
50°-60°	33.0	1.8	2.0
60°-70°	9.3	0.5	0.6
70°-80°	1.1	0.1	0.1
80°-90°	0.0	0.0	0.0
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.2	0.0	0.0
140°-150°	0.6	0.0	0.0
150°-160°	1.1	0.1	0.1
160°-170°	1.3	0.1	0.1
170°-180°	0.5	0.0	0.0
0°-30°	1326.6	74.3	80.1
0°-40°	1634.2	91.6	98.7
0°-60°	1770.8	99.2	106.9
0°-90°	1781.2	99.8	107.5
90°-120°	0.0	0.0	0.0
90°-150°	0.8	0.0	0.0
90°-180°	4.0	0.2	0.2
0°-180°	1785.0	100.0	107.8

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2661	2661	2661	2661	2661	
5°	2595	2978	2560	2239	2595	241
15°	2006	3123	1957	1005	2006	548
25°	932	2592	886	208	932	425
35°	206	1502	186	65	206	144
45°	66	412	59	30	66	53
55°	28	89	27	8	28	25
65°	5	25	5	1	5	6
75°	0	3	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	1	3	0	0
155°	2	1	3	4	2	1
165°	4	4	5	6	4	1
175°	5	6	6	6	5	1
180°	5	5	5	5	5	



TEST NUMBER: P888025
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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2660.8	2660.8	2660.8	2660.8	2660.8	2660.8	2660.8	2660.8	2660.8	2660.8	2660.8
0.5°	2662.5	2680.3	2689.5	2696.9	2691.3	2689.9	2685.7	2670.7	2658.3	2648.3	2635.5
1°	2659.6	2693.2	2715.2	2730.3	2727.4	2720.1	2707.6	2681.1	2653.2	2628.7	2607.5
1.5°	2657.0	2705.1	2737.8	2761.5	2760.5	2751.3	2729.9	2689.3	2647.1	2609.0	2577.9
2°	2653.9	2713.6	2760.2	2790.0	2792.4	2781.0	2748.7	2696.7	2640.9	2587.0	2548.0
2.5°	2649.6	2723.6	2780.6	2819.8	2824.2	2809.7	2769.1	2702.5	2631.8	2565.5	2515.1
3°	2642.0	2730.2	2802.1	2848.6	2856.7	2834.7	2785.6	2704.8	2620.7	2542.5	2483.1
3.5°	2633.4	2736.2	2819.9	2877.2	2887.7	2861.7	2800.1	2706.9	2609.0	2516.7	2448.9
4°	2621.7	2739.6	2836.9	2904.6	2918.6	2887.1	2815.3	2706.5	2594.4	2490.3	2413.3
4.5°	2609.5	2741.2	2851.3	2931.4	2948.2	2911.9	2829.2	2705.6	2578.5	2463.1	2376.4
5°	2595.2	2740.8	2865.0	2956.5	2977.6	2935.6	2842.2	2702.2	2560.2	2435.2	2340.1
5.5°	2580.3	2738.9	2876.3	2978.5	3003.3	2957.7	2852.6	2699.4	2543.1	2405.7	2299.4
6°	2563.5	2734.7	2887.1	2997.9	3028.9	2977.2	2858.8	2695.1	2523.7	2374.9	2257.8
6.5°	2545.5	2729.9	2892.9	3016.3	3050.1	2996.2	2865.6	2686.7	2504.3	2343.8	2216.0
7°	2525.2	2723.1	2898.3	3032.7	3070.0	3012.4	2867.9	2677.3	2483.3	2311.3	2174.4
7.5°	2503.5	2714.3	2901.7	3048.3	3086.6	3025.3	2869.4	2665.6	2459.4	2277.7	2128.9
8°	2478.4	2702.7	2904.2	3060.8	3101.3	3036.5	2868.5	2651.9	2433.1	2242.4	2081.1
8.5°	2452.0	2689.2	2903.6	3069.2	3113.2	3043.8	2866.0	2637.1	2408.3	2207.2	2033.3
9°	2425.2	2672.3	2901.3	3076.2	3125.1	3049.6	2863.1	2621.2	2379.8	2166.7	1981.7
9.5°	2398.9	2655.3	2896.0	3082.7	3133.4	3054.9	2856.2	2602.3	2351.4	2126.9	1930.7
10°	2368.6	2636.9	2888.8	3086.6	3141.4	3057.8	2848.0	2583.5	2321.8	2085.1	1876.3
10.5°	2339.6	2617.2	2879.5	3086.9	3145.3	3058.4	2839.7	2563.1	2292.9	2043.9	1822.2
11°	2308.2	2594.5	2868.6	3086.3	3147.9	3056.1	2826.0	2540.2	2260.7	1998.5	1762.7
11.5°	2276.8	2570.9	2855.2	3083.0	3149.0	3053.0	2814.7	2516.6	2227.8	1952.2	1702.6
12°	2241.5	2546.3	2842.5	3079.9	3150.6	3048.7	2800.1	2493.3	2192.5	1904.7	1642.4
12.5°	2205.1	2521.5	2826.8	3074.4	3148.9	3043.9	2783.1	2466.5	2156.0	1856.0	1579.9
13°	2168.4	2496.0	2809.7	3069.5	3147.1	3037.2	2765.6	2440.1	2118.9	1803.3	1514.2
13.5°	2131.3	2468.3	2787.9	3060.0	3143.3	3028.8	2749.0	2413.6	2081.5	1749.9	1450.3
14°	2091.3	2438.6	2767.1	3052.7	3138.7	3015.1	2728.8	2385.6	2041.4	1693.6	1383.8
14.5°	2049.5	2408.6	2745.6	3038.6	3130.8	3003.4	2707.8	2354.3	2000.0	1636.9	1318.5
15°	2006.1	2379.1	2723.5	3024.3	3123.1	2991.5	2684.2	2321.5	1957.2	1578.4	1254.2
15.5°	1961.8	2347.5	2698.1	3006.0	3112.4	2974.3	2660.3	2289.5	1912.4	1518.9	1193.8
16°	1915.8	2315.4	2674.2	2989.2	3101.0	2956.0	2634.3	2257.1	1865.3	1457.4	1134.7
16.5°	1869.2	2281.9	2649.9	2970.4	3085.7	2935.8	2608.0	2222.3	1818.6	1396.5	1077.2
17°	1819.3	2246.0	2623.3	2947.2	3068.8	2913.4	2581.4	2186.8	1768.8	1334.9	1021.7
17.5°	1768.4	2209.6	2594.0	2922.6	3048.8	2890.2	2554.4	2150.4	1716.4	1274.7	966.9
18°	1717.8	2171.9	2566.5	2898.2	3027.0	2866.5	2525.8	2112.0	1662.4	1214.5	911.5
18.5°	1664.4	2134.7	2538.4	2870.7	3002.0	2842.2	2496.9	2071.9	1608.0	1157.3	858.4
19°	1608.2	2094.9	2507.6	2843.5	2976.8	2818.3	2466.2	2030.8	1552.9	1102.0	805.8
19.5°	1551.7	2052.4	2475.2	2814.4	2949.1	2791.2	2433.2	1989.5	1496.2	1046.7	754.2
20°	1494.3	2009.1	2443.7	2786.5	2921.4	2762.6	2397.5	1946.0	1438.3	993.5	705.0
20.5°	1435.7	1965.0	2411.4	2758.4	2892.1	2733.7	2361.7	1900.3	1380.4	939.9	657.0
21°	1375.8	1917.2	2376.5	2730.4	2862.3	2701.9	2324.8	1855.1	1321.8	888.9	611.4
21.5°	1316.1	1870.6	2339.1	2699.4	2831.6	2668.7	2288.2	1804.8	1262.8	838.6	568.4
22°	1258.3	1820.7	2302.1	2666.6	2800.6	2635.5	2249.6	1754.8	1206.2	789.5	526.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1201.8	1770.0	2265.3	2631.1	2767.4	2602.1	2209.5	1703.5	1150.5	742.1	486.8
23°	1146.0	1717.8	2227.8	2597.3	2733.9	2568.0	2168.3	1652.7	1095.9	695.1	448.4
23.5°	1092.0	1662.6	2187.3	2561.5	2699.0	2531.9	2126.5	1597.2	1041.3	649.6	412.3
24°	1037.0	1604.6	2143.4	2525.2	2664.1	2493.2	2083.3	1543.0	988.8	607.2	379.2
24.5°	983.2	1546.7	2099.7	2487.4	2627.7	2452.6	2038.0	1484.6	936.7	564.2	345.7
25°	931.5	1486.9	2054.6	2448.9	2591.5	2409.8	1992.3	1429.7	886.1	523.2	315.1
25.5°	880.5	1426.7	2007.5	2409.0	2553.9	2370.1	1945.1	1369.1	836.6	483.9	286.6
26°	829.7	1366.1	1957.4	2367.0	2516.2	2329.2	1896.2	1313.1	789.5	447.0	262.2
26.5°	781.6	1306.2	1906.6	2325.0	2473.5	2285.7	1845.0	1254.1	741.1	409.5	237.3
27°	734.8	1248.9	1854.8	2282.4	2430.8	2241.4	1792.7	1197.0	696.1	375.4	216.8
27.5°	689.4	1191.7	1800.6	2236.5	2386.1	2194.2	1740.2	1141.4	653.1	343.5	198.4
28°	644.1	1135.9	1742.4	2187.0	2339.3	2144.7	1685.3	1086.2	610.8	313.8	181.8
28.5°	602.5	1081.0	1686.3	2137.7	2291.2	2094.4	1629.7	1030.5	568.8	285.1	166.8
29°	560.3	1026.0	1625.4	2085.7	2244.4	2043.3	1573.9	977.7	529.6	259.8	154.6
29.5°	521.0	973.4	1564.3	2031.0	2191.7	1989.4	1515.2	925.2	490.8	235.9	142.9
30°	482.0	920.3	1498.6	1974.5	2136.3	1934.6	1454.5	875.1	453.4	214.9	132.9
30.5°	446.3	870.5	1436.1	1917.0	2079.3	1876.6	1393.9	823.2	417.3	195.8	124.2
31°	410.4	818.3	1371.0	1858.1	2023.1	1818.3	1332.3	774.6	383.7	179.4	116.5
31.5°	378.2	771.4	1309.1	1797.6	1964.3	1758.3	1271.2	726.8	351.2	165.3	110.0
32°	346.7	724.5	1246.9	1733.6	1903.9	1697.3	1211.7	680.9	321.6	153.0	104.1
32.5°	318.0	680.4	1187.9	1667.5	1841.9	1634.6	1153.4	635.8	293.5	141.5	98.6
33°	290.7	635.2	1128.6	1599.8	1777.4	1568.9	1094.1	592.7	268.0	131.4	93.7
33.5°	266.6	594.8	1072.8	1532.2	1710.4	1502.2	1037.5	550.5	243.8	122.9	89.4
34°	244.5	553.9	1016.0	1461.4	1644.2	1435.9	980.2	511.3	222.7	115.2	85.0
34.5°	224.1	513.6	959.0	1389.7	1572.8	1369.3	925.1	473.4	203.0	108.3	80.9
35°	206.2	473.6	903.2	1322.5	1502.0	1302.9	871.0	436.5	186.1	102.0	76.9
35.5°	190.4	439.1	851.1	1257.0	1431.0	1238.2	816.7	400.7	170.5	96.7	73.2
36°	176.2	404.8	799.6	1194.4	1363.1	1177.8	764.9	368.2	156.9	91.9	69.8
36.5°	163.7	371.6	748.1	1133.4	1296.1	1116.3	714.9	336.8	144.9	87.5	66.8
37°	151.9	339.7	699.9	1072.8	1231.6	1057.0	666.4	307.8	134.2	83.3	64.3
37.5°	142.1	312.2	653.2	1014.1	1169.7	998.7	620.8	280.5	125.4	79.2	61.8
38°	133.2	285.2	608.0	955.4	1107.5	941.2	575.9	255.6	117.3	75.6	59.6
38.5°	124.8	260.4	563.8	898.4	1046.5	884.0	533.3	232.4	109.9	71.8	57.4
39°	117.2	238.4	523.3	843.7	987.4	829.5	492.1	212.5	103.2	68.4	55.3
39.5°	110.7	217.9	482.2	789.7	929.6	776.2	452.9	194.9	97.2	65.2	53.4
40°	104.6	200.3	443.5	737.4	873.0	724.3	415.1	178.8	91.7	62.5	51.4
40.5°	99.0	184.0	407.0	686.8	819.1	673.4	379.0	164.4	87.2	59.9	49.6
41°	94.0	170.0	373.5	638.8	765.9	626.0	345.6	152.1	82.8	57.8	47.7
41.5°	89.5	157.3	341.1	592.0	715.1	581.0	315.0	141.0	78.7	55.7	45.7
42°	85.4	146.3	310.7	548.2	667.2	537.5	286.9	131.2	75.2	53.7	44.1
42.5°	81.8	136.7	283.5	506.8	622.1	495.3	261.9	123.0	71.9	51.9	42.0
43°	77.8	127.7	258.5	465.9	575.4	455.2	239.4	115.0	69.2	50.0	40.2
43.5°	74.2	119.6	235.8	426.5	531.5	416.8	218.6	108.0	66.6	48.4	38.7
44°	71.1	112.0	216.3	391.2	489.7	381.1	200.4	101.5	64.0	46.4	37.1
44.5°	68.2	105.7	199.1	357.1	451.4	348.0	184.0	95.7	61.7	44.7	35.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	65.7	99.7	183.5	326.3	412.5	317.0	169.2	90.4	59.4	42.9	34.1
45.5°	63.0	94.5	169.6	296.8	377.0	288.3	156.3	85.7	57.1	41.5	32.9
46°	60.7	89.7	157.2	271.5	343.8	263.4	144.2	81.5	54.8	39.7	31.9
46.5°	58.6	85.2	146.7	247.3	314.8	241.1	134.0	77.6	52.4	38.4	31.3
47°	56.4	81.1	137.3	227.0	285.9	220.5	125.3	74.0	50.1	37.1	29.9
47.5°	54.5	77.2	128.9	208.7	261.2	202.2	117.0	70.8	48.3	35.7	28.6
48°	52.7	74.2	120.7	192.7	239.6	185.9	109.6	67.6	46.2	34.6	27.6
48.5°	50.7	71.2	113.3	178.2	220.1	170.8	102.8	64.4	44.6	34.0	26.5
49°	49.0	68.1	106.9	165.7	202.3	157.7	96.4	61.4	43.1	32.6	25.6
49.5°	47.2	65.4	101.0	154.0	186.6	145.6	90.5	59.0	41.9	31.4	24.1
50°	45.5	62.9	95.5	143.6	172.6	135.3	85.7	56.9	40.4	30.2	23.2
50.5°	43.9	60.1	90.4	133.8	160.2	126.4	81.0	54.8	39.1	28.8	21.4
51°	42.4	57.5	85.8	125.1	148.3	118.4	76.9	52.6	37.3	27.6	20.4
51.5°	40.5	54.9	81.5	116.6	138.1	111.2	73.2	50.3	36.1	26.1	18.4
52°	39.0	52.7	77.2	109.0	129.3	104.5	70.0	48.5	34.6	24.8	16.6
52.5°	37.4	50.7	73.1	102.3	120.9	98.3	66.8	46.7	33.7	23.5	15.1
53°	35.7	48.4	69.4	96.6	113.2	92.5	63.9	44.8	31.9	22.1	13.4
53.5°	34.1	46.7	66.6	91.3	106.1	87.6	61.3	42.9	30.6	20.6	12.9
54°	32.1	45.1	63.8	86.4	99.6	83.2	58.9	41.3	29.2	18.5	11.8
54.5°	29.9	43.1	61.1	81.8	94.0	79.1	56.6	39.8	28.0	16.8	11.2
55°	27.6	41.5	58.6	77.7	89.1	75.2	54.3	38.2	26.8	15.4	10.4
55.5°	24.6	40.0	56.1	73.8	84.5	71.6	51.9	36.7	25.0	14.2	10.3
56°	22.0	38.4	53.7	70.0	80.1	68.4	49.8	35.1	23.2	13.2	8.9
56.5°	20.1	36.8	51.6	66.6	75.8	65.6	47.6	33.6	21.0	12.9	8.3
57°	18.8	34.7	49.5	63.5	72.1	63.2	45.5	31.7	19.0	11.7	7.7
57.5°	17.4	32.1	46.8	60.6	68.7	60.8	43.5	30.0	17.5	11.2	7.6
58°	16.3	29.3	44.2	57.8	65.8	58.3	41.9	28.6	16.1	10.4	6.3
58.5°	15.3	26.5	41.5	55.1	63.1	55.7	40.2	26.8	15.1	10.3	5.9
59°	14.4	24.4	38.5	52.6	60.4	53.2	38.9	24.7	14.1	9.0	5.1
59.5°	13.5	22.9	35.9	50.1	57.7	50.7	37.4	22.2	12.9	8.5	5.0
60°	12.7	20.9	33.0	47.8	55.2	48.2	35.6	19.6	12.4	7.5	4.0
60.5°	11.8	19.3	30.0	45.6	52.8	45.4	33.0	18.1	11.2	6.7	3.4
61°	11.0	18.1	27.7	42.2	50.2	42.2	28.8	16.6	10.6	5.9	3.1
61.5°	10.2	16.9	25.7	38.5	47.3	39.0	26.1	15.5	10.3	5.3	2.6
62°	9.5	15.9	24.0	34.7	43.1	35.4	23.6	14.4	9.2	5.1	2.6
62.5°	8.8	14.5	22.5	30.9	38.6	31.5	21.9	13.4	8.6	4.6	2.6
63°	8.1	13.4	21.3	28.6	34.3	28.4	20.6	12.7	7.8	3.5	1.6
63.5°	7.5	12.3	19.7	26.9	31.0	26.4	19.0	11.7	7.5	3.4	1.0
64°	6.7	11.3	17.9	25.2	28.4	24.7	18.1	10.6	6.4	2.9	0.8
64.5°	6.0	10.5	16.3	23.9	26.6	23.1	16.6	10.0	5.9	2.4	0.7
65°	5.4	9.5	15.0	22.0	24.9	21.6	15.4	9.0	5.0	2.0	0.7
65.5°	4.8	8.9	13.8	20.0	23.5	20.3	14.0	8.4	5.1	1.5	0.5
66°	4.2	8.2	12.6	18.0	21.7	18.4	12.8	7.6	3.7	1.0	0.2
66.5°	3.7	7.5	11.5	16.4	19.7	16.8	11.5	7.3	3.3	0.8	0.0
67°	3.3	6.9	10.7	15.0	17.9	15.6	10.5	6.3	2.8	0.7	0.0



TEST NUMBER: P888025
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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	2.9	6.3	9.6	13.7	15.9	14.2	9.8	6.1	2.4	0.7	0.0
68°	2.7	5.6	8.8	12.5	14.4	12.9	8.8	5.1	1.9	0.5	0.0
68.5°	2.3	5.1	8.1	11.5	13.1	11.4	7.9	4.6	1.5	0.1	0.0
69°	2.0	4.3	7.3	10.8	11.8	10.3	7.6	3.6	1.0	0.0	0.0
69.5°	1.8	3.9	6.6	9.6	10.7	9.2	6.4	3.2	0.8	0.0	0.0
70°	1.7	3.5	6.1	8.7	10.1	8.9	6.1	2.7	0.7	0.0	0.0
70.5°	1.5	3.0	5.5	8.2	8.8	7.7	5.3	2.3	0.7	0.0	0.0
71°	1.3	2.8	5.0	7.2	7.8	7.0	4.8	1.8	0.3	0.0	0.0
71.5°	1.2	2.2	4.5	6.5	7.7	6.0	4.4	1.4	0.0	0.0	0.0
72°	1.0	2.1	4.0	5.9	6.2	5.4	3.4	0.9	0.0	0.0	0.0
72.5°	0.8	1.9	3.4	5.4	5.5	5.2	2.9	0.7	0.0	0.0	0.0
73°	0.7	1.6	2.9	4.8	5.0	4.8	2.4	0.7	0.0	0.0	0.0
73.5°	0.7	1.5	2.7	4.3	4.7	3.7	2.5	0.6	0.0	0.0	0.0
74°	0.6	1.2	2.3	3.8	3.6	3.6	1.3	0.5	0.0	0.0	0.0
74.5°	0.4	1.0	2.1	3.2	3.4	2.5	1.1	0.4	0.0	0.0	0.0
75°	0.4	0.9	1.7	3.0	3.1	2.5	1.0	0.3	0.0	0.0	0.0
75.5°	0.3	0.7	1.5	2.8	2.8	2.4	0.8	0.2	0.0	0.0	0.0
76°	0.3	0.6	1.3	2.6	2.5	1.2	0.6	0.2	0.0	0.0	0.0
76.5°	0.2	0.5	1.2	1.9	2.2	0.9	0.4	0.1	0.0	0.0	0.0
77°	0.1	0.4	1.0	1.6	1.1	0.8	0.0	0.1	0.0	0.0	0.0
77.5°	0.1	0.4	0.8	1.3	0.8	0.8	0.0	0.0	0.0	0.0	0.0
78°	0.1	0.3	0.7	1.1	0.6	0.3	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.3	0.7	0.9	0.3	0.1	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.2	0.5	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.1	0.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.1	0.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.1	0.1	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.1	0.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P888025
 CATALOG NUMBER: RLS6159FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
90.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
104.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.5°	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
110.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P888025
 CATALOG NUMBER: RLS6159FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
115°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
115.5°	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
121.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
122.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.2
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
123.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
124°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
124.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
125.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2
126°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2
126.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.3
127°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.3
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3
128°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4
128.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4
129°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4
129.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5
130.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5
131°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5
131.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6
132°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.5
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.5
133°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7
133.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7
134.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8



TEST NUMBER: P888025
 CATALOG NUMBER: RLS6159FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.9
135.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.6	0.8
136°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.7	1.0
136.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.7	0.9
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.7	0.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.8	1.2
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.8	1.2
138.5°	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.2	0.4	0.9	1.2
139°	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.2	0.5	0.9	1.2
139.5°	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.3	0.5	1.0	1.4
140°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3	0.6	1.0	1.5
140.5°	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.3	0.7	1.1	1.7
141°	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.3	0.7	1.2	1.6
141.5°	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.3	0.8	1.2	1.8
142°	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.4	0.8	1.2	1.7
142.5°	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.4	0.9	1.3	1.8
143°	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.5	0.9	1.3	1.9
143.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.5	0.9	1.4	2.0
144°	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.5	1.0	1.5	2.1
144.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.6	1.0	1.6	2.2
145°	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.6	1.0	1.7	2.4
145.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.7	1.1	1.8	2.5
146°	0.0	0.0	0.0	0.0	0.4	0.4	0.6	0.7	1.2	1.8	2.6
146.5°	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.8	1.2	2.0	2.8
147°	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.8	1.4	2.1	2.9
147.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.7	0.9	1.4	2.3	3.0
148°	0.0	0.0	0.0	0.0	0.6	0.6	0.7	1.0	1.6	2.4	3.1
148.5°	0.2	0.0	0.0	0.0	0.6	0.5	0.8	1.0	1.6	2.6	3.2
149°	0.5	0.0	0.0	0.0	0.7	0.7	0.8	1.1	1.7	2.7	3.3
149.5°	0.7	0.0	0.0	0.0	0.7	0.8	0.8	1.1	1.7	2.7	3.4
150°	0.7	0.0	0.0	0.0	0.8	0.7	0.8	1.2	1.8	2.7	3.4
150.5°	0.7	0.0	0.0	0.0	0.8	0.8	0.8	1.2	1.9	2.8	3.7
151°	0.8	0.0	0.0	0.0	0.8	0.9	1.0	1.3	2.0	2.8	3.7
151.5°	0.8	0.1	0.0	0.0	0.9	0.8	0.9	1.3	2.1	2.9	3.8
152°	0.9	0.1	0.0	0.0	1.0	1.0	1.0	1.3	2.2	3.0	4.0
152.5°	0.9	0.3	0.0	0.0	1.0	1.1	1.0	1.4	2.2	3.2	4.0
153°	0.9	0.6	0.0	0.0	1.1	1.1	1.2	1.4	2.3	3.3	4.2
153.5°	1.0	0.6	0.0	0.0	1.1	1.2	1.2	1.6	2.4	3.4	4.2
154°	1.2	0.7	0.1	0.0	1.2	1.2	1.3	1.7	2.5	3.5	4.5
154.5°	1.3	0.7	0.0	0.0	1.2	1.3	1.5	1.7	2.6	3.6	4.6
155°	1.9	0.8	0.0	0.0	1.3	1.4	1.4	1.9	2.7	3.6	4.6
155.5°	2.5	0.8	0.2	0.0	1.4	1.5	1.6	1.9	2.8	3.9	4.7
156°	2.6	0.9	0.2	0.0	1.4	1.6	1.7	2.0	2.9	3.9	4.9
156.5°	2.7	0.9	0.3	0.0	1.5	1.7	1.7	2.1	3.1	4.1	5.1
157°	2.7	1.0	0.4	0.0	1.5	1.7	1.8	2.2	3.2	4.1	5.3



TEST NUMBER: P888025
 CATALOG NUMBER: RLS6159FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	2.7	1.2	0.5	0.1	1.8	1.9	1.9	2.4	3.2	4.2	5.3
158°	2.7	1.3	0.6	0.1	1.9	1.9	1.8	2.6	3.4	4.4	5.5
158.5°	2.7	1.8	0.7	0.3	2.1	2.0	2.0	2.7	3.5	4.5	5.5
159°	2.7	2.4	0.8	0.4	2.2	2.1	2.3	2.7	3.6	4.6	5.6
159.5°	2.7	2.7	0.8	0.7	2.3	2.2	2.4	2.8	3.8	4.8	5.6
160°	2.7	2.7	0.9	0.7	2.5	2.4	2.5	3.0	3.8	4.9	5.8
160.5°	2.9	2.7	1.0	0.8	2.7	2.5	2.6	3.0	4.0	5.0	6.0
161°	3.4	2.7	1.1	0.8	2.8	2.6	2.7	3.2	4.1	5.1	6.0
161.5°	3.7	2.7	1.1	0.8	2.7	2.8	2.8	3.2	4.2	5.3	6.1
162°	3.7	2.7	1.2	0.9	2.8	2.9	2.9	3.4	4.3	5.3	6.2
162.5°	3.7	2.7	1.7	0.9	3.0	2.9	2.9	3.6	4.5	5.4	6.2
163°	3.7	2.8	2.5	1.0	3.1	3.0	3.0	3.5	4.5	5.6	6.3
163.5°	3.8	2.9	2.6	1.0	3.1	3.0	3.2	3.6	4.6	5.5	6.3
164°	4.0	3.0	2.6	0.9	3.3	3.2	3.3	3.7	4.8	5.6	6.4
164.5°	4.2	3.1	2.6	1.2	3.4	3.3	3.4	3.9	4.9	5.8	6.4
165°	4.3	3.2	2.6	1.1	3.6	3.5	3.6	4.1	5.1	5.9	6.3
165.5°	4.5	3.3	2.7	1.3	3.6	3.6	3.7	4.2	5.2	5.9	6.3
166°	4.7	3.3	2.8	1.7	3.7	3.7	3.8	4.2	5.3	6.0	6.2
166.5°	5.2	3.4	2.9	2.5	3.8	4.0	3.9	4.3	5.4	6.1	6.2
167°	5.3	3.5	2.9	2.7	4.0	4.0	4.0	4.5	5.5	6.2	6.2
167.5°	5.3	3.6	3.0	2.7	4.0	4.2	4.1	4.7	5.6	6.2	6.2
168°	5.3	3.7	3.1	2.7	4.2	4.3	4.4	4.8	5.7	6.4	6.2
168.5°	5.3	3.7	3.2	2.7	4.4	4.4	4.4	4.9	5.8	6.3	6.2
169°	5.3	3.7	3.2	2.7	4.5	4.5	4.5	5.0	5.9	6.3	6.2
169.5°	5.3	3.8	3.3	2.7	4.7	4.6	4.7	5.2	6.0	6.3	6.2
170°	5.3	3.9	3.5	2.7	4.8	4.7	4.9	5.3	6.1	6.2	6.2
170.5°	5.3	4.3	3.5	2.7	5.0	4.9	5.0	5.4	6.1	6.2	6.2
171°	5.3	4.4	3.5	2.7	5.3	5.1	5.2	5.6	6.3	6.1	6.2
171.5°	5.3	4.4	3.6	2.7	5.3	5.4	5.3	5.7	6.3	6.2	6.2
172°	5.3	4.5	3.6	2.7	5.6	5.6	5.5	5.7	6.3	6.2	6.2
172.5°	5.3	4.6	3.7	2.7	5.7	5.7	5.6	5.9	6.3	6.2	6.2
173°	5.3	4.6	3.8	2.7	5.8	6.1	5.7	6.1	6.3	6.2	6.2
173.5°	5.3	4.7	3.8	3.0	6.0	6.1	5.8	6.2	6.3	6.2	6.2
174°	5.3	4.7	3.8	3.4	6.1	6.1	5.9	6.2	6.3	6.2	6.2
174.5°	5.3	4.8	4.0	3.4	6.2	6.2	6.0	6.3	6.3	6.2	6.2
175°	5.3	4.8	4.2	3.4	6.4	6.2	6.0	6.4	6.3	6.2	6.2
175.5°	5.3	4.9	4.6	3.5	6.3	6.2	6.1	6.3	6.3	6.2	6.2
176°	5.3	4.9	4.7	3.5	6.3	6.3	6.1	6.3	6.3	6.2	6.2
176.5°	5.3	5.0	4.8	3.6	6.3	6.3	6.2	6.3	6.2	6.2	6.2
177°	5.3	5.1	4.9	3.6	6.3	6.3	6.2	6.3	6.2	6.2	6.2
177.5°	5.3	5.1	5.0	3.7	6.3	6.5	6.2	6.3	6.2	6.1	6.0
178°	5.3	5.2	5.1	3.7	6.3	6.5	6.3	6.3	6.2	6.1	5.5
178.5°	5.3	5.2	5.2	3.8	6.4	6.5	6.3	6.3	6.2	5.9	5.2
179°	5.3	5.2	5.2	3.8	6.4	6.6	6.3	6.3	6.2	5.5	5.2
179.5°	5.3	5.2	5.2	3.8	6.4	6.7	6.3	6.4	6.2	5.4	5.2



TEST NUMBER: P888025
CATALOG NUMBER: RLS6159FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3



TEST NUMBER: P888025
 CATALOG NUMBER: RLS6159FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2660.8	2660.8	2660.8	2660.8	2660.8	2660.8
0.5°	2629.2	2618.2	2624.1	2637.6	2645.1	2662.5
1°	2594.2	2582.6	2589.8	2610.2	2630.3	2659.6
1.5°	2559.2	2544.1	2554.8	2583.1	2614.4	2657.0
2°	2521.8	2506.1	2518.1	2553.9	2596.5	2653.9
2.5°	2484.5	2464.2	2480.8	2524.1	2577.0	2649.6
3°	2444.4	2422.0	2439.7	2491.9	2556.2	2642.0
3.5°	2405.8	2378.1	2398.6	2459.9	2535.3	2633.4
4°	2365.0	2332.0	2355.7	2424.3	2512.0	2621.7
4.5°	2320.5	2285.4	2315.3	2388.9	2487.4	2609.5
5°	2275.2	2238.6	2273.5	2351.8	2459.6	2595.2
5.5°	2228.4	2188.3	2228.6	2315.3	2431.1	2580.3
6°	2180.2	2138.4	2180.5	2276.3	2401.0	2563.5
6.5°	2130.8	2086.7	2133.2	2236.0	2369.8	2545.5
7°	2078.8	2032.0	2082.8	2194.7	2338.6	2525.2
7.5°	2026.2	1976.3	2030.7	2150.0	2305.9	2503.5
8°	1972.3	1918.6	1977.0	2105.0	2272.4	2478.4
8.5°	1917.3	1857.0	1921.4	2058.3	2237.3	2452.0
9°	1857.2	1794.1	1862.2	2009.5	2199.6	2425.2
9.5°	1798.4	1729.9	1802.3	1959.0	2161.6	2398.9
10°	1734.5	1661.8	1740.1	1905.3	2121.9	2368.6
10.5°	1671.4	1594.5	1676.2	1851.2	2080.2	2339.6
11°	1603.4	1525.2	1609.4	1795.0	2036.3	2308.2
11.5°	1536.1	1454.6	1539.2	1735.9	1992.0	2276.8
12°	1467.8	1385.3	1471.4	1677.4	1944.7	2241.5
12.5°	1398.7	1317.0	1403.6	1616.0	1894.2	2205.1
13°	1328.7	1252.0	1336.6	1552.8	1846.5	2168.4
13.5°	1263.6	1187.8	1269.2	1486.3	1794.0	2131.3
14°	1199.5	1126.2	1205.7	1422.0	1740.9	2091.3
14.5°	1138.6	1064.9	1143.3	1356.3	1685.6	2049.5
15°	1077.0	1004.7	1081.3	1292.6	1629.4	2006.1
15.5°	1019.1	944.7	1020.5	1228.8	1569.4	1961.8
16°	961.9	887.4	962.3	1169.9	1510.9	1915.8
16.5°	906.6	832.5	903.9	1109.8	1450.1	1869.2
17°	851.8	779.3	849.5	1050.9	1388.2	1819.3
17.5°	798.6	726.7	795.7	993.2	1325.9	1768.4
18°	747.3	678.0	743.7	937.4	1266.6	1717.8
18.5°	697.7	629.5	694.3	882.8	1207.9	1664.4
19°	649.4	584.1	646.2	828.2	1149.3	1608.2
19.5°	603.2	541.5	600.2	775.9	1093.2	1551.7
20°	558.4	500.4	556.4	726.4	1036.3	1494.3
20.5°	516.9	461.5	513.9	677.6	982.5	1435.7
21°	476.8	423.5	472.5	631.1	929.5	1375.8
21.5°	438.3	387.7	433.8	585.3	875.5	1316.1
22°	402.2	354.7	397.6	542.2	822.3	1258.3



TEST NUMBER: P888025
 CATALOG NUMBER: RLS6159FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	368.3	324.2	363.9	500.7	774.0	1201.8
23°	335.7	295.9	333.0	461.4	726.1	1146.0
23.5°	306.4	270.5	304.1	424.3	678.8	1092.0
24°	279.0	247.3	277.6	388.1	632.6	1037.0
24.5°	254.1	226.3	253.6	354.5	589.0	983.2
25°	231.4	208.5	232.3	323.9	547.0	931.5
25.5°	211.7	192.0	213.8	296.1	507.1	880.5
26°	195.0	177.6	197.2	270.6	467.9	829.7
26.5°	179.6	164.7	181.9	247.8	431.2	781.6
27°	166.0	152.7	168.2	226.5	396.0	734.8
27.5°	153.9	142.4	155.9	207.9	362.9	689.4
28°	142.6	133.2	145.5	191.2	332.0	644.1
28.5°	133.0	124.6	136.5	176.6	304.4	602.5
29°	124.8	116.7	128.0	163.5	278.2	560.3
29.5°	117.2	110.1	119.8	151.8	254.0	521.0
30°	110.2	103.9	113.0	141.6	232.0	482.0
30.5°	103.9	98.3	106.8	132.4	212.7	446.3
31°	97.8	93.1	101.2	123.9	195.7	410.4
31.5°	92.6	88.5	96.0	115.9	180.9	378.2
32°	87.9	84.1	91.3	108.5	167.1	346.7
32.5°	83.9	80.1	87.1	102.1	154.8	318.0
33°	79.8	76.1	82.8	96.3	144.1	290.7
33.5°	76.2	72.8	79.0	91.3	135.1	266.6
34°	72.8	69.7	75.3	86.7	126.8	244.5
34.5°	70.1	67.4	71.8	82.4	118.3	224.1
35°	67.1	65.0	68.8	78.5	111.1	206.2
35.5°	64.5	62.8	65.7	74.8	104.9	190.4
36°	62.0	60.6	63.2	71.8	99.1	176.2
36.5°	59.4	58.5	60.7	69.1	93.9	163.7
37°	57.0	56.5	58.4	66.4	89.1	151.9
37.5°	54.7	54.6	56.5	64.1	84.7	142.1
38°	52.8	52.6	54.5	61.7	80.7	133.2
38.5°	50.7	50.7	52.8	59.3	76.8	124.8
39°	48.9	49.0	51.0	57.1	73.2	117.2
39.5°	47.3	47.1	48.8	55.0	70.4	110.7
40°	45.7	45.4	46.7	53.2	67.7	104.6
40.5°	44.8	43.7	44.9	51.4	65.1	99.0
41°	43.4	42.0	43.4	49.9	62.8	94.0
41.5°	42.2	40.2	42.0	48.6	60.7	89.5
42°	40.9	38.4	40.6	47.0	58.7	85.4
42.5°	39.6	36.9	39.0	45.9	56.8	81.8
43°	38.3	35.5	37.5	44.6	54.8	77.8
43.5°	36.9	34.0	36.0	43.3	52.8	74.2
44°	35.5	32.9	34.9	42.0	51.0	71.1
44.5°	34.2	31.6	33.6	40.5	49.3	68.2



TEST NUMBER: P888025
 CATALOG NUMBER: RLS6159FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	32.6	30.5	32.5	39.0	47.7	65.7
45.5°	31.5	29.6	31.1	37.5	45.8	63.0
46°	29.9	28.5	29.7	36.1	44.2	60.7
46.5°	28.9	27.4	28.1	34.8	42.8	58.6
47°	27.5	26.2	26.6	33.7	41.3	56.4
47.5°	26.4	24.7	25.1	32.5	40.2	54.5
48°	25.3	22.9	23.5	31.4	38.8	52.7
48.5°	24.1	20.9	22.0	30.4	37.5	50.7
49°	22.6	19.1	20.5	29.1	36.1	49.0
49.5°	20.6	17.1	18.6	27.6	34.8	47.2
50°	17.8	15.6	16.8	25.4	33.2	45.5
50.5°	15.6	14.5	15.3	22.5	31.8	43.9
51°	14.0	13.8	14.3	20.2	29.9	42.4
51.5°	13.3	13.0	13.6	17.7	28.3	40.5
52°	12.9	12.3	12.7	16.3	26.4	39.0
52.5°	11.8	11.4	12.0	15.2	24.3	37.4
53°	11.1	10.5	11.2	14.5	22.3	35.7
53.5°	10.3	9.8	10.4	13.8	20.0	34.1
54°	9.9	9.1	9.7	13.1	18.2	32.1
54.5°	8.8	8.5	9.0	12.2	16.7	29.9
55°	8.1	8.0	8.4	11.3	15.7	27.6
55.5°	7.5	7.2	7.9	10.6	14.7	24.6
56°	7.2	6.6	7.2	9.8	13.9	22.0
56.5°	6.1	6.0	6.7	9.1	13.3	20.1
57°	5.8	5.5	6.1	8.5	12.3	18.8
57.5°	5.0	4.9	5.5	7.8	11.7	17.4
58°	5.0	4.3	4.9	7.1	11.1	16.3
58.5°	3.8	3.9	4.4	6.5	10.2	15.3
59°	3.5	3.4	3.9	6.0	9.5	14.4
59.5°	2.8	2.9	3.5	5.4	8.8	13.5
60°	2.6	2.9	3.0	4.7	8.1	12.7
60.5°	2.5	2.5	2.7	4.2	7.4	11.8
61°	2.4	2.1	2.5	3.7	6.7	11.0
61.5°	1.4	1.9	2.2	3.4	6.0	10.2
62°	1.0	1.7	2.0	3.0	5.4	9.5
62.5°	0.8	1.5	1.8	2.8	4.7	8.8
63°	0.7	1.4	1.7	2.4	4.1	8.1
63.5°	0.5	1.2	1.4	2.1	3.7	7.5
64°	0.3	1.0	1.3	2.0	3.3	6.7
64.5°	0.2	0.9	1.2	1.7	3.0	6.0
65°	0.0	0.9	1.0	1.5	2.7	5.4
65.5°	0.0	0.6	0.8	1.5	2.5	4.8
66°	0.0	0.5	0.8	1.3	2.1	4.2
66.5°	0.0	0.5	0.6	1.0	1.8	3.7
67°	0.0	0.4	0.6	1.0	1.6	3.3



TEST NUMBER: P888025
 CATALOG NUMBER: RLS6159FS1EMBDNR-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.0	0.3	0.4	0.8	1.5	2.9
68°	0.0	0.3	0.4	0.7	1.4	2.7
68.5°	0.0	0.3	0.4	0.7	1.2	2.3
69°	0.0	0.2	0.3	0.5	1.0	2.0
69.5°	0.0	0.3	0.3	0.4	0.8	1.8
70°	0.0	0.2	0.2	0.3	0.8	1.7
70.5°	0.0	0.1	0.2	0.3	0.7	1.5
71°	0.0	0.1	0.2	0.3	0.6	1.3
71.5°	0.0	0.1	0.1	0.2	0.4	1.2
72°	0.0	0.1	0.1	0.1	0.3	1.0
72.5°	0.0	0.0	0.1	0.1	0.3	0.8
73°	0.0	0.0	0.1	0.1	0.3	0.7
73.5°	0.0	0.0	0.1	0.1	0.2	0.7
74°	0.0	0.0	0.1	0.1	0.2	0.6
74.5°	0.0	0.0	0.1	0.1	0.1	0.4
75°	0.0	0.0	0.1	0.0	0.1	0.4
75.5°	0.0	0.0	0.1	0.0	0.1	0.3
76°	0.0	0.0	0.0	0.0	0.1	0.3
76.5°	0.0	0.0	0.0	0.0	0.0	0.2
77°	0.0	0.0	0.0	0.0	0.0	0.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.1
78°	0.0	0.0	0.0	0.0	0.0	0.1
78.5°	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.1	0.0	0.0
80°	0.0	0.0	0.0	0.1	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.1
81°	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.1	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.1	0.0	0.1	0.1
87.5°	0.0	0.0	0.0	0.0	0.1	0.1
88°	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0
89°	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P888025
 CATALOG NUMBER: RLS6159FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0
90.5°	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.1
92.5°	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.1	0.0	0.0	0.0
99.5°	0.1	0.0	0.1	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0
100.5°	0.0	0.1	0.0	0.0	0.0	0.0
101°	0.0	0.1	0.0	0.0	0.0	0.0
101.5°	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.1
103.5°	0.0	0.0	0.0	0.0	0.0	0.1
104°	0.0	0.0	0.0	0.0	0.0	0.0
104.5°	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0
105.5°	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.1	0.0	0.0	0.0	0.0
106.5°	0.0	0.0	0.0	0.0	0.0	0.1
107°	0.0	0.0	0.0	0.0	0.0	0.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.1	0.0	0.0	0.0
108.5°	0.0	0.0	0.1	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0
109.5°	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0
110.5°	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0
111.5°	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P888025
 CATALOG NUMBER: RLS6159FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.1
116°	0.1	0.0	0.0	0.0	0.0	0.1
116.5°	0.1	0.0	0.0	0.0	0.0	0.0
117°	0.2	0.0	0.0	0.0	0.0	0.0
117.5°	0.2	0.0	0.0	0.0	0.0	0.0
118°	0.1	0.0	0.0	0.0	0.0	0.0
118.5°	0.1	0.0	0.0	0.0	0.0	0.0
119°	0.1	0.0	0.0	0.0	0.0	0.0
119.5°	0.1	0.0	0.0	0.0	0.0	0.0
120°	0.1	0.0	0.0	0.0	0.0	0.0
120.5°	0.1	0.0	0.0	0.0	0.0	0.0
121°	0.1	0.0	0.0	0.0	0.0	0.0
121.5°	0.3	0.0	0.0	0.0	0.0	0.0
122°	0.2	0.0	0.0	0.0	0.0	0.0
122.5°	0.2	0.0	0.0	0.0	0.0	0.0
123°	0.2	0.0	0.0	0.0	0.0	0.0
123.5°	0.2	0.0	0.0	0.0	0.0	0.0
124°	0.3	0.0	0.0	0.0	0.0	0.0
124.5°	0.3	0.0	0.0	0.0	0.0	0.0
125°	0.3	0.0	0.0	0.0	0.0	0.0
125.5°	0.4	0.0	0.0	0.0	0.0	0.0
126°	0.3	0.0	0.0	0.0	0.0	0.0
126.5°	0.3	0.0	0.0	0.0	0.0	0.0
127°	0.5	0.0	0.0	0.0	0.0	0.0
127.5°	0.5	0.0	0.0	0.0	0.0	0.0
128°	0.4	0.0	0.0	0.0	0.0	0.0
128.5°	0.5	0.0	0.0	0.0	0.0	0.0
129°	0.5	0.0	0.0	0.0	0.0	0.0
129.5°	0.6	0.0	0.0	0.0	0.0	0.0
130°	0.6	0.0	0.0	0.0	0.0	0.0
130.5°	0.7	0.0	0.0	0.0	0.0	0.0
131°	0.7	0.0	0.0	0.0	0.0	0.0
131.5°	0.8	0.0	0.0	0.0	0.0	0.0
132°	0.8	0.0	0.0	0.0	0.0	0.0
132.5°	0.8	0.0	0.0	0.0	0.0	0.0
133°	0.8	0.0	0.0	0.0	0.0	0.0
133.5°	1.0	0.0	0.0	0.0	0.0	0.0
134°	1.1	0.0	0.0	0.0	0.0	0.0
134.5°	1.2	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P888025
 CATALOG NUMBER: RLS6159FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	1.2	0.0	0.0	0.0	0.0	0.0
135.5°	1.3	0.1	0.0	0.0	0.0	0.0
136°	1.4	0.0	0.0	0.0	0.0	0.0
136.5°	1.4	0.0	0.0	0.0	0.0	0.0
137°	1.6	0.2	0.1	0.0	0.0	0.0
137.5°	1.6	0.3	0.0	0.0	0.0	0.0
138°	1.7	0.6	0.2	0.0	0.0	0.0
138.5°	1.7	0.7	0.4	0.0	0.0	0.0
139°	1.8	0.7	0.8	0.0	0.0	0.0
139.5°	2.0	0.8	0.9	0.0	0.0	0.0
140°	2.0	0.9	0.9	0.0	0.0	0.0
140.5°	2.1	0.9	0.8	0.0	0.0	0.0
141°	2.2	1.0	0.8	0.1	0.0	0.0
141.5°	2.3	1.0	0.9	0.2	0.0	0.0
142°	2.6	1.1	0.9	0.4	0.0	0.0
142.5°	2.6	1.2	1.0	0.7	0.0	0.0
143°	2.7	1.2	1.0	0.7	0.1	0.0
143.5°	2.7	1.6	1.1	0.7	0.1	0.0
144°	2.9	2.1	1.2	0.8	0.1	0.0
144.5°	2.9	2.6	1.7	0.8	0.2	0.0
145°	3.1	2.7	2.4	0.9	0.2	0.0
145.5°	3.3	2.7	2.7	0.9	0.6	0.0
146°	3.3	2.7	2.7	1.0	0.6	0.0
146.5°	3.4	2.7	2.7	1.0	0.6	0.0
147°	3.5	2.7	2.7	1.2	0.7	0.0
147.5°	3.6	2.7	2.7	1.6	0.7	0.0
148°	3.7	2.7	2.6	1.9	0.8	0.0
148.5°	3.8	2.6	2.6	2.0	0.8	0.2
149°	4.0	2.6	2.6	2.1	0.9	0.5
149.5°	4.1	2.6	2.6	2.2	1.1	0.7
150°	4.2	3.4	2.6	2.3	1.1	0.7
150.5°	4.3	3.5	2.6	2.4	1.2	0.7
151°	4.4	3.5	2.9	2.5	1.6	0.8
151.5°	4.5	3.6	3.3	2.5	2.4	0.8
152°	4.5	3.6	3.6	2.6	2.6	0.9
152.5°	4.7	3.7	3.6	2.6	2.6	0.9
153°	4.8	3.7	3.6	2.7	2.6	0.9
153.5°	4.8	3.8	3.7	2.7	2.6	1.0
154°	5.0	3.8	3.7	3.3	2.7	1.2
154.5°	5.1	3.9	3.7	3.6	2.7	1.3
155°	5.3	3.9	3.7	3.8	2.8	1.9
155.5°	5.4	4.0	3.8	3.8	2.8	2.5
156°	5.4	4.4	3.8	3.8	2.9	2.6
156.5°	5.4	5.2	4.0	3.8	2.9	2.7
157°	5.6	5.2	4.3	3.8	3.0	2.7



TEST NUMBER: P888025
 CATALOG NUMBER: RLS6159FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	5.7	5.2	5.2	3.8	3.1	2.7
158°	5.8	5.2	5.3	4.3	3.2	2.7
158.5°	5.9	5.2	5.3	4.4	3.3	2.7
159°	6.0	5.2	5.4	4.8	3.4	2.7
159.5°	6.1	5.3	5.5	4.9	3.5	2.7
160°	6.2	5.3	5.6	5.1	3.7	2.7
160.5°	6.2	5.3	5.6	5.2	3.7	2.9
161°	6.2	5.4	5.7	5.2	3.9	3.4
161.5°	6.2	5.4	5.8	5.3	4.5	3.7
162°	6.2	5.5	5.9	5.2	4.6	3.7
162.5°	6.2	5.5	6.0	5.3	4.7	3.7
163°	6.2	5.6	6.0	5.3	4.8	3.7
163.5°	6.2	6.2	6.1	5.4	4.9	3.8
164°	6.3	6.3	6.3	5.8	4.9	4.0
164.5°	6.3	6.4	6.3	6.2	5.0	4.2
165°	6.3	6.4	6.3	6.2	5.1	4.3
165.5°	6.3	6.3	6.4	6.2	5.2	4.5
166°	6.3	6.3	6.4	6.2	5.2	4.7
166.5°	6.3	6.4	6.4	6.3	5.2	5.2
167°	6.3	6.4	6.5	6.3	5.3	5.3
167.5°	6.3	6.4	6.6	6.3	5.5	5.3
168°	6.3	6.4	6.5	6.3	5.7	5.3
168.5°	6.3	6.4	6.6	6.3	5.8	5.3
169°	6.3	6.4	6.7	6.3	6.1	5.3
169.5°	6.3	6.5	6.6	6.4	6.2	5.3
170°	6.3	6.4	6.8	6.4	6.2	5.3
170.5°	6.3	6.4	6.8	6.5	6.2	5.3
171°	6.3	6.5	6.9	6.5	6.2	5.3
171.5°	6.3	6.5	7.1	6.5	6.2	5.3
172°	6.3	6.5	7.2	6.5	6.2	5.3
172.5°	6.3	6.5	7.3	6.5	6.2	5.3
173°	6.3	6.5	7.5	6.5	6.2	5.3
173.5°	6.3	6.5	7.6	6.5	6.2	5.3
174°	6.3	6.5	7.5	6.5	6.2	5.3
174.5°	6.3	6.5	7.4	6.5	6.2	5.3
175°	6.3	6.5	7.3	6.5	6.2	5.3
175.5°	6.3	6.5	7.2	6.6	6.2	5.3
176°	6.1	6.6	7.2	6.6	6.2	5.3
176.5°	5.9	6.6	7.1	6.6	6.2	5.3
177°	5.5	6.6	7.0	6.6	6.2	5.3
177.5°	5.3	6.6	6.8	6.6	6.2	5.3
178°	5.3	6.6	6.8	6.6	6.2	5.3
178.5°	5.3	6.6	6.8	6.6	6.2	5.3
179°	5.3	6.6	6.7	6.5	6.2	5.3
179.5°	5.3	6.6	6.4	6.4	6.2	5.3



TEST NUMBER: P888025

CATALOG NUMBER: RLS6159FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	5.3	5.3	5.3	5.3	5.3	5.3

(END OF REPORT)