

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: P888023

Luminaire Tested: RLS6159FS1EMBDMR-3500K

Issue Date: 10/10/2024

Test Information

Test Method: LM-79-2019
Report Number: P888023
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-3500K
Description:
Light Source: -
Ballast/Driver: -

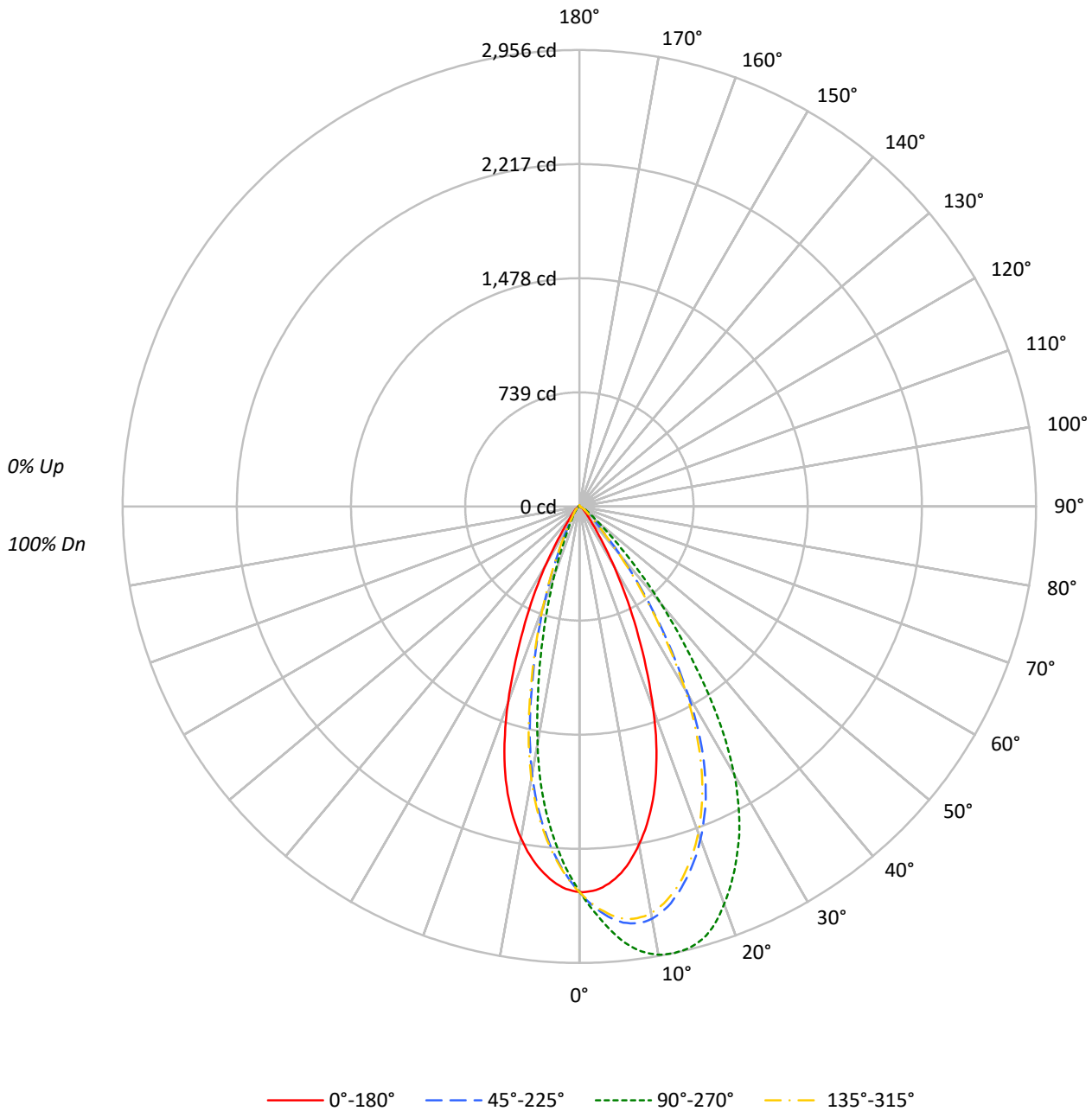
Summary

Lumens per Lamp: 1656.4 (1 lamp)
Luminaire Lumens: 1675.0 lumens
Efficiency: 101.1%
Efficacy: 86.3 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): 19.4
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: 24 FT

TEST NUMBER: P888023
CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P888023
 CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	120	120	120	120	118	118	118	118	112	112	112	107	107	107	103	103	103	101						101													
1	115	112	110	108	112	110	108	106	106	104	103	102	101	99	99	98	97	95						95													
2	109	105	101	97	107	103	99	96	100	97	94	97	94	92	94	92	90	88						88													
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83						83													
4	99	92	86	82	97	91	86	82	88	84	81	86	83	80	84	81	79	77						77													
5	94	86	80	76	93	85	80	76	83	79	75	82	78	75	80	77	74	72						72													
6	90	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68						68													
7	86	77	71	67	84	76	70	67	75	70	66	73	69	66	72	68	65	64						64													
8	82	73	67	63	81	72	66	63	71	66	62	70	65	62	69	65	62	60						60													
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	61	58	57						57													
10	75	65	60	56	74	65	60	56	64	59	56	63	59	56	63	58	55	54						54													

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	76228	76228	76228	76228
5°	74634	85631	73626	64377
10°	68903	91386	67542	48343
15°	59501	92631	58050	29799
20°	45557	89067	43851	15257
25°	29445	81919	28010	6589
30°	15945	70672	15000	3437
35°	7212	52533	6507	2274
40°	3914	32649	3431	1698
45°	2660	16714	2405	1239
50°	2028	7690	1805	698
55°	1379	4450	1336	399
60°	727	3163	708	165
65°	361	1683	340	58
70°	143	848	62	18
75°	47	342	0	0
80°	0	0	0	0
85°	0	0	0	35

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 16714 cd/sqm



TEST NUMBER: P888023
 CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	226.2	13.5	13.7
10°-20°	520.0	31.0	31.4
20°-30°	498.7	29.8	30.1
30°-40°	288.6	17.2	17.4
40°-50°	97.2	5.8	5.9
50°-60°	31.0	1.8	1.9
60°-70°	8.7	0.5	0.5
70°-80°	1.0	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°	1.2	0.1	0.1
170°-180°	0.5	0.0	0.0
0°-30°	1244.9	74.3	75.2
0°-40°	1533.5	91.6	92.6
0°-60°	1661.7	99.2	100.3
0°-90°	1671.5	99.8	100.9
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°	1675.0	100.0	101.1

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2497	2497	2497	2497	2497	
5°	2435	2794	2402	2101	2435	226
15°	1882	2931	1837	943	1882	514
25°	874	2432	832	196	874	399
35°	194	1410	175	61	194	135
45°	62	387	56	29	62	49
55°	26	84	25	8	26	23
65°	5	23	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	2	0	0
155°	2	1	3	4	2	1
165°	4	3	5	6	4	1
175°	5	6	6	6	5	0
180°	5	5	5	5	5	



TEST NUMBER: P888023
 CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2496.8	2496.8	2496.8	2496.8	2496.8	2496.8	2496.8	2496.8	2496.8	2496.8	2496.8
0.5°	2498.5	2515.1	2523.7	2530.7	2525.5	2524.1	2520.2	2506.1	2494.5	2485.1	2473.1
1°	2495.7	2527.3	2547.9	2562.1	2559.3	2552.5	2540.7	2515.8	2489.7	2466.7	2446.8
1.5°	2493.3	2538.4	2569.0	2591.3	2590.4	2581.8	2561.7	2523.5	2484.0	2448.2	2419.1
2°	2490.4	2546.4	2590.1	2618.1	2620.3	2609.6	2579.4	2530.5	2478.1	2427.6	2391.0
2.5°	2486.3	2555.8	2609.3	2646.0	2650.1	2636.6	2598.5	2536.0	2469.6	2407.4	2360.1
3°	2479.1	2562.0	2629.4	2673.1	2680.7	2660.1	2613.9	2538.1	2459.2	2385.8	2330.1
3.5°	2471.2	2567.6	2646.1	2699.9	2709.7	2685.3	2627.6	2540.1	2448.2	2361.6	2298.0
4°	2460.1	2570.8	2662.1	2725.6	2738.7	2709.2	2641.8	2539.7	2434.5	2336.9	2264.6
4.5°	2448.7	2572.3	2675.6	2750.8	2766.5	2732.5	2654.9	2538.9	2419.6	2311.3	2230.0
5°	2435.3	2571.9	2688.5	2774.3	2794.1	2754.7	2667.0	2535.7	2402.4	2285.1	2195.9
5.5°	2421.3	2570.2	2699.1	2794.9	2818.2	2775.4	2676.8	2533.0	2386.4	2257.5	2157.7
6°	2405.5	2566.2	2709.2	2813.2	2842.3	2793.7	2682.6	2529.0	2368.2	2228.6	2118.6
6.5°	2388.6	2561.7	2714.7	2830.4	2862.1	2811.5	2689.0	2521.1	2350.0	2199.3	2079.4
7°	2369.6	2555.3	2719.7	2845.8	2880.8	2826.8	2691.2	2512.3	2330.3	2168.9	2040.4
7.5°	2349.2	2547.0	2722.8	2860.5	2896.4	2838.8	2692.6	2501.3	2307.8	2137.3	1997.7
8°	2325.6	2536.2	2725.3	2872.2	2910.2	2849.4	2691.7	2488.4	2283.2	2104.2	1952.9
8.5°	2300.9	2523.4	2724.7	2880.1	2921.4	2856.2	2689.4	2474.6	2259.9	2071.2	1908.0
9°	2275.8	2507.7	2722.5	2886.7	2932.5	2861.7	2686.6	2459.6	2233.1	2033.2	1859.6
9.5°	2251.1	2491.7	2717.5	2892.7	2940.3	2866.6	2680.2	2441.9	2206.5	1995.9	1811.7
10°	2222.6	2474.4	2710.8	2896.4	2947.8	2869.4	2672.5	2424.3	2178.7	1956.6	1760.7
10.5°	2195.4	2455.9	2702.0	2896.7	2951.5	2869.9	2664.7	2405.1	2151.6	1917.9	1709.9
11°	2166.0	2434.6	2691.8	2896.1	2953.9	2867.8	2651.9	2383.7	2121.4	1875.3	1654.1
11.5°	2136.5	2412.5	2679.3	2893.0	2954.9	2864.8	2641.2	2361.5	2090.5	1831.9	1597.6
12°	2103.4	2389.3	2667.3	2890.1	2956.4	2860.8	2627.6	2339.7	2057.4	1787.4	1541.2
12.5°	2069.2	2366.1	2652.6	2884.9	2954.8	2856.3	2611.6	2314.5	2023.2	1741.6	1482.6
13°	2034.8	2342.2	2636.6	2880.3	2953.2	2850.1	2595.1	2289.7	1988.3	1692.2	1420.9
13.5°	1999.9	2316.2	2616.1	2871.4	2949.6	2842.2	2579.6	2264.9	1953.2	1642.0	1360.9
14°	1962.4	2288.3	2596.5	2864.6	2945.3	2829.3	2560.6	2238.6	1915.6	1589.3	1298.5
14.5°	1923.2	2260.2	2576.4	2851.4	2937.8	2818.3	2540.9	2209.2	1876.7	1536.1	1237.2
15°	1882.5	2232.5	2555.7	2837.9	2930.7	2807.2	2518.8	2178.4	1836.6	1481.2	1176.9
15.5°	1841.0	2202.9	2531.8	2820.7	2920.6	2791.0	2496.3	2148.4	1794.5	1425.3	1120.2
16°	1797.8	2172.7	2509.4	2805.0	2909.9	2773.8	2472.0	2118.0	1750.3	1367.6	1064.7
16.5°	1754.0	2141.3	2486.6	2787.4	2895.6	2754.9	2447.3	2085.4	1706.6	1310.5	1010.8
17°	1707.2	2107.6	2461.6	2765.6	2879.7	2733.9	2422.3	2052.0	1659.8	1252.6	958.7
17.5°	1659.4	2073.4	2434.1	2742.5	2860.9	2712.1	2397.0	2017.9	1610.6	1196.2	907.3
18°	1611.9	2038.0	2408.4	2719.6	2840.5	2689.9	2370.1	1981.8	1559.9	1139.7	855.3
18.5°	1561.9	2003.2	2382.0	2693.8	2817.0	2667.0	2343.0	1944.2	1508.9	1086.0	805.5
19°	1509.1	1965.8	2353.0	2668.2	2793.3	2644.6	2314.2	1905.7	1457.2	1034.1	756.2
19.5°	1456.1	1925.9	2322.7	2640.9	2767.3	2619.2	2283.3	1866.9	1404.0	982.2	707.7
20°	1402.2	1885.2	2293.1	2614.7	2741.4	2592.4	2249.8	1826.1	1349.7	932.3	661.5
20.5°	1347.3	1843.9	2262.8	2588.5	2713.8	2565.2	2216.1	1783.2	1295.3	881.9	616.5
21°	1291.0	1799.1	2230.1	2562.2	2685.9	2535.4	2181.5	1740.7	1240.4	834.1	573.7
21.5°	1235.0	1755.3	2195.0	2533.0	2657.1	2504.2	2147.2	1693.6	1185.0	787.0	533.4
22°	1180.7	1708.5	2160.2	2502.3	2628.0	2473.1	2111.0	1646.7	1131.9	740.9	494.1



TEST NUMBER: P888023
 CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1127.7	1661.0	2125.7	2468.9	2596.8	2441.7	2073.3	1598.6	1079.6	696.3	456.8
23°	1075.3	1611.9	2090.5	2437.3	2565.4	2409.8	2034.7	1550.8	1028.3	652.3	420.8
23.5°	1024.7	1560.1	2052.5	2403.6	2532.6	2375.9	1995.5	1498.7	977.1	609.5	386.9
24°	973.1	1505.7	2011.3	2369.6	2500.0	2339.6	1954.9	1447.9	927.9	569.7	355.8
24.5°	922.6	1451.4	1970.3	2334.1	2465.8	2301.5	1912.4	1393.1	878.9	529.5	324.4
25°	874.1	1395.3	1928.0	2298.0	2431.8	2261.3	1869.6	1341.6	831.5	490.9	295.7
25.5°	826.3	1338.8	1883.8	2260.5	2396.5	2224.0	1825.3	1284.8	785.0	454.1	269.0
26°	778.6	1281.9	1836.8	2221.2	2361.1	2185.7	1779.4	1232.2	740.8	419.5	246.1
26.5°	733.5	1225.7	1789.1	2181.7	2321.1	2144.8	1731.3	1176.8	695.4	384.2	222.7
27°	689.5	1171.9	1740.5	2141.8	2281.0	2103.3	1682.2	1123.3	653.2	352.2	203.4
27.5°	647.0	1118.2	1689.7	2098.7	2239.1	2059.0	1632.9	1071.1	612.8	322.3	186.1
28°	604.4	1065.9	1635.1	2052.2	2195.2	2012.6	1581.5	1019.2	573.2	294.4	170.6
28.5°	565.4	1014.4	1582.4	2006.0	2150.0	1965.3	1529.3	967.0	533.7	267.5	156.5
29°	525.7	962.8	1525.2	1957.1	2106.1	1917.4	1476.9	917.5	497.0	243.8	145.0
29.5°	488.9	913.4	1467.9	1905.9	2056.6	1866.8	1421.8	868.2	460.6	221.3	134.1
30°	452.3	863.6	1406.2	1852.8	2004.7	1815.4	1364.9	821.2	425.5	201.6	124.7
30.5°	418.8	816.8	1347.6	1798.9	1951.2	1761.0	1308.0	772.5	391.5	183.8	116.6
31°	385.1	767.9	1286.5	1743.6	1898.4	1706.3	1250.2	726.9	360.0	168.4	109.3
31.5°	354.9	723.9	1228.4	1686.8	1843.3	1649.9	1192.9	682.0	329.6	155.1	103.2
32°	325.3	679.9	1170.1	1626.8	1786.5	1592.7	1137.0	638.9	301.8	143.5	97.7
32.5°	298.4	638.4	1114.7	1564.8	1728.4	1533.8	1082.3	596.6	275.4	132.8	92.5
33°	272.8	596.1	1059.1	1501.2	1667.8	1472.3	1026.7	556.2	251.5	123.3	87.9
33.5°	250.2	558.2	1006.6	1437.8	1605.0	1409.7	973.6	516.6	228.7	115.3	83.9
34°	229.5	519.8	953.4	1371.3	1542.8	1347.4	919.8	479.8	209.0	108.1	79.7
34.5°	210.3	482.0	899.9	1304.1	1475.9	1284.9	868.1	444.2	190.5	101.6	75.9
35°	193.5	444.4	847.5	1241.0	1409.5	1222.6	817.4	409.6	174.6	95.7	72.2
35.5°	178.7	412.0	798.7	1179.5	1342.8	1161.9	766.4	376.0	160.0	90.8	68.6
36°	165.3	379.8	750.3	1120.8	1279.1	1105.2	717.7	345.5	147.2	86.2	65.5
36.5°	153.6	348.7	702.0	1063.5	1216.2	1047.5	670.8	316.0	136.0	82.1	62.7
37°	142.5	318.8	656.8	1006.6	1155.7	991.8	625.3	288.8	125.9	78.1	60.3
37.5°	133.4	292.9	612.9	951.6	1097.6	937.2	582.5	263.2	117.7	74.4	58.0
38°	125.0	267.6	570.6	896.6	1039.2	883.2	540.4	239.9	110.0	71.0	55.9
38.5°	117.2	244.3	529.1	843.1	982.0	829.5	500.4	218.1	103.2	67.3	53.9
39°	110.0	223.7	491.0	791.7	926.6	778.3	461.8	199.4	96.9	64.2	51.9
39.5°	103.8	204.4	452.5	741.0	872.3	728.4	425.0	182.9	91.2	61.2	50.1
40°	98.2	187.9	416.2	692.0	819.2	679.7	389.5	167.8	86.1	58.7	48.3
40.5°	92.9	172.6	381.9	644.5	768.6	631.9	355.6	154.3	81.8	56.2	46.6
41°	88.2	159.5	350.5	599.5	718.7	587.4	324.3	142.8	77.7	54.2	44.7
41.5°	84.0	147.6	320.1	555.5	671.1	545.2	295.6	132.3	73.9	52.3	42.9
42°	80.1	137.3	291.6	514.5	626.1	504.4	269.2	123.2	70.6	50.4	41.4
42.5°	76.7	128.3	266.0	475.6	583.8	464.8	245.8	115.4	67.5	48.7	39.4
43°	73.0	119.9	242.6	437.2	539.9	427.2	224.6	107.9	64.9	46.9	37.7
43.5°	69.7	112.2	221.3	400.2	498.8	391.1	205.1	101.3	62.5	45.4	36.3
44°	66.7	105.1	203.0	367.1	459.6	357.6	188.0	95.2	60.1	43.5	34.8
44.5°	64.0	99.2	186.9	335.1	423.6	326.6	172.7	89.8	57.9	42.0	33.3



TEST NUMBER: P888023
 CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	61.6	93.6	172.2	306.2	387.1	297.5	158.8	84.8	55.7	40.2	32.0
45.5°	59.1	88.7	159.1	278.6	353.8	270.6	146.7	80.4	53.6	39.0	30.9
46°	56.9	84.2	147.5	254.8	322.6	247.1	135.4	76.5	51.4	37.3	30.0
46.5°	55.0	80.0	137.6	232.0	295.4	226.2	125.7	72.8	49.2	36.0	29.4
47°	53.0	76.1	128.9	213.0	268.2	206.9	117.5	69.5	47.0	34.8	28.1
47.5°	51.1	72.5	121.0	195.8	245.1	189.8	109.8	66.5	45.3	33.5	26.9
48°	49.4	69.6	113.2	180.8	224.8	174.4	102.9	63.4	43.3	32.5	25.9
48.5°	47.6	66.8	106.3	167.2	206.6	160.3	96.5	60.4	41.8	31.9	24.9
49°	46.0	63.9	100.3	155.5	189.9	148.0	90.5	57.6	40.5	30.6	24.0
49.5°	44.3	61.4	94.8	144.5	175.1	136.6	84.9	55.4	39.3	29.5	22.6
50°	42.7	59.0	89.6	134.7	161.9	126.9	80.4	53.4	38.0	28.3	21.7
50.5°	41.2	56.4	84.9	125.6	150.4	118.6	76.0	51.5	36.7	27.1	20.1
51°	39.7	53.9	80.5	117.4	139.2	111.1	72.1	49.4	35.0	25.9	19.1
51.5°	38.0	51.6	76.4	109.4	129.6	104.4	68.7	47.2	33.9	24.5	17.3
52°	36.6	49.5	72.5	102.2	121.3	98.0	65.7	45.5	32.5	23.3	15.5
52.5°	35.1	47.5	68.6	96.0	113.5	92.3	62.7	43.8	31.6	22.0	14.2
53°	33.5	45.4	65.1	90.6	106.3	86.8	60.0	42.0	29.9	20.8	12.6
53.5°	32.0	43.8	62.5	85.7	99.5	82.2	57.5	40.3	28.8	19.3	12.1
54°	30.2	42.3	59.9	81.1	93.4	78.1	55.2	38.8	27.4	17.4	11.0
54.5°	28.1	40.5	57.4	76.8	88.2	74.2	53.1	37.3	26.3	15.8	10.5
55°	25.9	38.9	55.0	73.0	83.6	70.5	51.0	35.8	25.1	14.5	9.7
55.5°	23.1	37.6	52.7	69.2	79.3	67.2	48.7	34.5	23.5	13.3	9.6
56°	20.6	36.0	50.4	65.7	75.1	64.2	46.7	32.9	21.8	12.4	8.3
56.5°	18.9	34.6	48.4	62.5	71.2	61.6	44.6	31.5	19.7	12.1	7.8
57°	17.6	32.5	46.4	59.6	67.6	59.3	42.7	29.7	17.8	11.0	7.2
57.5°	16.4	30.1	44.0	56.8	64.5	57.0	40.8	28.2	16.4	10.5	7.2
58°	15.3	27.5	41.5	54.2	61.8	54.7	39.3	26.8	15.1	9.7	5.9
58.5°	14.4	24.9	38.9	51.7	59.3	52.3	37.7	25.2	14.2	9.7	5.6
59°	13.5	22.9	36.1	49.4	56.7	49.9	36.5	23.2	13.2	8.4	4.8
59.5°	12.7	21.5	33.6	47.0	54.1	47.6	35.1	20.8	12.1	7.9	4.7
60°	11.9	19.6	31.0	44.9	51.8	45.2	33.4	18.4	11.6	7.0	3.8
60.5°	11.1	18.1	28.1	42.8	49.6	42.6	31.0	17.0	10.5	6.3	3.2
61°	10.3	17.0	26.0	39.6	47.1	39.6	27.0	15.5	10.0	5.5	2.9
61.5°	9.6	15.9	24.1	36.1	44.4	36.6	24.5	14.6	9.6	5.0	2.4
62°	8.9	14.9	22.6	32.5	40.5	33.2	22.2	13.5	8.7	4.8	2.4
62.5°	8.3	13.6	21.1	29.0	36.2	29.6	20.5	12.6	8.1	4.3	2.4
63°	7.6	12.6	20.0	26.8	32.2	26.6	19.3	12.0	7.3	3.3	1.5
63.5°	7.0	11.6	18.5	25.3	29.1	24.8	17.8	10.9	7.0	3.2	0.9
64°	6.3	10.6	16.8	23.6	26.7	23.2	16.9	10.0	6.0	2.7	0.8
64.5°	5.7	9.9	15.3	22.4	25.0	21.7	15.6	9.4	5.5	2.3	0.7
65°	5.0	8.9	14.1	20.6	23.3	20.2	14.4	8.4	4.7	1.8	0.6
65.5°	4.5	8.3	12.9	18.8	22.0	19.0	13.2	7.9	4.7	1.4	0.5
66°	4.0	7.7	11.8	16.9	20.3	17.3	12.0	7.2	3.4	0.9	0.2
66.5°	3.4	7.1	10.8	15.4	18.5	15.8	10.8	6.9	3.1	0.8	0.0
67°	3.1	6.4	10.0	14.1	16.8	14.6	9.9	5.9	2.7	0.7	0.0



TEST NUMBER: P888023
 CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	2.7	5.9	9.0	12.8	14.9	13.3	9.2	5.8	2.2	0.7	0.0
68°	2.6	5.3	8.2	11.8	13.5	12.1	8.2	4.8	1.8	0.5	0.0
68.5°	2.1	4.8	7.6	10.8	12.3	10.7	7.4	4.3	1.4	0.1	0.0
69°	1.9	4.0	6.9	10.2	11.0	9.6	7.2	3.4	0.9	0.0	0.0
69.5°	1.7	3.6	6.2	9.0	10.0	8.7	6.0	3.0	0.8	0.0	0.0
70°	1.6	3.2	5.7	8.2	9.5	8.3	5.7	2.6	0.7	0.0	0.0
70.5°	1.4	2.8	5.1	7.7	8.3	7.2	4.9	2.1	0.6	0.0	0.0
71°	1.2	2.6	4.7	6.7	7.3	6.6	4.5	1.7	0.3	0.0	0.0
71.5°	1.1	2.1	4.2	6.1	7.2	5.7	4.2	1.3	0.0	0.0	0.0
72°	0.9	1.9	3.7	5.5	5.8	5.1	3.2	0.9	0.0	0.0	0.0
72.5°	0.8	1.8	3.2	5.1	5.1	4.9	2.7	0.6	0.0	0.0	0.0
73°	0.7	1.5	2.7	4.5	4.7	4.5	2.3	0.6	0.0	0.0	0.0
73.5°	0.6	1.4	2.6	4.0	4.4	3.5	2.3	0.5	0.0	0.0	0.0
74°	0.5	1.2	2.2	3.5	3.4	3.3	1.2	0.5	0.0	0.0	0.0
74.5°	0.4	0.9	2.0	3.0	3.2	2.4	1.1	0.4	0.0	0.0	0.0
75°	0.4	0.9	1.6	2.8	2.9	2.4	0.9	0.3	0.0	0.0	0.0
75.5°	0.2	0.7	1.4	2.7	2.6	2.3	0.7	0.2	0.0	0.0	0.0
76°	0.3	0.5	1.2	2.4	2.4	1.1	0.5	0.2	0.0	0.0	0.0
76.5°	0.2	0.5	1.1	1.8	2.1	0.9	0.4	0.1	0.0	0.0	0.0
77°	0.1	0.4	0.9	1.5	1.0	0.7	0.0	0.1	0.0	0.0	0.0
77.5°	0.1	0.4	0.8	1.2	0.7	0.7	0.0	0.0	0.0	0.0	0.0
78°	0.1	0.3	0.6	1.0	0.6	0.3	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.2	0.6	0.9	0.2	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	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.1	0.1	0.3	0.5	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: P888023
 CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

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: P888023
 CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

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	0.1
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	0.3
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	0.2	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	0.5
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	0.1	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	0.6
133.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.6
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: P888023
 CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

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	0.5	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	0.6	0.9
136.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	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	0.7	1.1
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	0.8	1.2
139°	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.2	0.4	0.9	1.2
139.5°	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.2	0.5	0.9	1.3
140°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3	0.6	1.0	1.4
140.5°	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.3	0.6	1.0	1.6
141°	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.3	0.7	1.1	1.5
141.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.3	0.7	1.1	1.7
142°	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.4	0.8	1.2	1.6
142.5°	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.4	0.8	1.2	1.7
143°	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.5	0.8	1.2	1.8
143.5°	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.5	0.9	1.3	1.9
144°	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.5	0.9	1.4	2.0
144.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.5	0.9	1.5	2.1
145°	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.5	1.0	1.6	2.2
145.5°	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.6	1.0	1.7	2.4
146°	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.6	1.1	1.7	2.5
146.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.6	0.8	1.1	1.9	2.6
147°	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.8	1.3	2.0	2.7
147.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.9	1.3	2.1	2.8
148°	0.0	0.0	0.0	0.0	0.5	0.6	0.7	0.9	1.5	2.3	2.9
148.5°	0.2	0.0	0.0	0.0	0.6	0.5	0.7	1.0	1.5	2.4	3.0
149°	0.5	0.0	0.0	0.0	0.6	0.6	0.7	1.0	1.6	2.6	3.1
149.5°	0.6	0.0	0.0	0.0	0.7	0.7	0.8	1.0	1.6	2.6	3.2
150°	0.7	0.0	0.0	0.0	0.7	0.6	0.8	1.1	1.7	2.6	3.2
150.5°	0.7	0.0	0.0	0.0	0.8	0.7	0.8	1.1	1.8	2.6	3.4
151°	0.7	0.0	0.0	0.0	0.7	0.9	0.9	1.2	1.9	2.6	3.5
151.5°	0.8	0.1	0.0	0.0	0.9	0.8	0.9	1.2	1.9	2.7	3.6
152°	0.8	0.1	0.0	0.0	0.9	1.0	0.9	1.2	2.0	2.8	3.7
152.5°	0.9	0.3	0.0	0.0	1.0	1.0	1.0	1.3	2.1	3.0	3.7
153°	0.9	0.5	0.0	0.0	1.0	1.0	1.1	1.3	2.1	3.1	4.0
153.5°	0.9	0.6	0.0	0.0	1.1	1.1	1.1	1.5	2.2	3.2	4.0
154°	1.2	0.6	0.1	0.0	1.1	1.1	1.2	1.6	2.4	3.3	4.2
154.5°	1.2	0.7	0.0	0.0	1.2	1.3	1.4	1.6	2.5	3.3	4.3
155°	1.8	0.7	0.0	0.0	1.2	1.3	1.3	1.8	2.6	3.4	4.3
155.5°	2.3	0.8	0.2	0.0	1.3	1.4	1.5	1.8	2.7	3.7	4.4
156°	2.5	0.8	0.2	0.0	1.4	1.5	1.6	1.9	2.8	3.7	4.6
156.5°	2.5	0.9	0.3	0.0	1.4	1.6	1.6	2.0	2.9	3.9	4.7
157°	2.5	0.9	0.4	0.0	1.4	1.6	1.7	2.1	3.0	3.9	5.0



TEST NUMBER: P888023
 CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	2.5	1.1	0.5	0.1	1.7	1.7	1.8	2.3	3.0	4.0	5.0
158°	2.5	1.2	0.6	0.1	1.8	1.8	1.7	2.4	3.2	4.1	5.1
158.5°	2.5	1.7	0.6	0.2	2.0	1.9	1.9	2.5	3.3	4.2	5.1
159°	2.5	2.3	0.7	0.4	2.1	2.0	2.1	2.6	3.3	4.3	5.2
159.5°	2.5	2.5	0.8	0.6	2.2	2.1	2.2	2.7	3.6	4.5	5.3
160°	2.5	2.5	0.9	0.7	2.3	2.2	2.3	2.8	3.6	4.6	5.4
160.5°	2.7	2.5	0.9	0.7	2.5	2.4	2.4	2.8	3.7	4.7	5.6
161°	3.2	2.5	1.0	0.7	2.6	2.5	2.5	3.0	3.8	4.8	5.6
161.5°	3.5	2.5	1.0	0.8	2.5	2.6	2.6	3.0	4.0	5.0	5.7
162°	3.5	2.5	1.2	0.8	2.6	2.7	2.7	3.2	4.0	5.0	5.8
162.5°	3.4	2.5	1.6	0.9	2.8	2.7	2.8	3.4	4.2	5.1	5.8
163°	3.4	2.6	2.3	0.9	2.9	2.8	2.8	3.3	4.2	5.2	5.9
163.5°	3.6	2.7	2.4	0.9	2.9	2.8	3.0	3.4	4.4	5.1	5.9
164°	3.7	2.8	2.4	0.9	3.1	3.0	3.1	3.5	4.5	5.2	6.0
164.5°	3.9	2.9	2.4	1.1	3.2	3.1	3.1	3.7	4.6	5.4	6.0
165°	4.1	3.0	2.5	1.0	3.3	3.2	3.4	3.8	4.7	5.5	5.9
165.5°	4.2	3.1	2.6	1.3	3.3	3.4	3.5	3.9	4.9	5.5	5.9
166°	4.4	3.1	2.6	1.6	3.5	3.5	3.5	4.0	5.0	5.6	5.9
166.5°	4.9	3.2	2.7	2.4	3.6	3.7	3.7	4.1	5.1	5.7	5.8
167°	5.0	3.3	2.8	2.5	3.7	3.8	3.8	4.2	5.1	5.8	5.8
167.5°	5.0	3.4	2.8	2.5	3.7	4.0	3.9	4.4	5.3	5.8	5.8
168°	5.0	3.4	2.9	2.5	3.9	4.0	4.1	4.5	5.4	6.0	5.8
168.5°	5.0	3.4	3.0	2.5	4.1	4.1	4.1	4.6	5.4	6.0	5.8
169°	5.0	3.5	3.0	2.5	4.2	4.2	4.2	4.7	5.5	5.9	5.8
169.5°	5.0	3.6	3.1	2.5	4.4	4.3	4.4	4.9	5.6	5.9	5.8
170°	5.0	3.7	3.3	2.5	4.5	4.4	4.6	5.0	5.7	5.8	5.8
170.5°	5.0	4.1	3.3	2.5	4.7	4.6	4.6	5.1	5.8	5.8	5.8
171°	5.0	4.1	3.3	2.5	4.9	4.8	4.9	5.2	5.9	5.8	5.8
171.5°	5.0	4.2	3.4	2.5	5.0	5.1	5.0	5.3	5.9	5.8	5.8
172°	5.0	4.2	3.4	2.5	5.3	5.2	5.2	5.4	5.9	5.8	5.8
172.5°	5.0	4.3	3.5	2.5	5.4	5.3	5.3	5.5	5.9	5.8	5.8
173°	5.0	4.3	3.5	2.5	5.5	5.7	5.4	5.7	5.9	5.8	5.8
173.5°	5.0	4.4	3.6	2.8	5.6	5.7	5.5	5.8	5.9	5.8	5.8
174°	5.0	4.4	3.6	3.2	5.7	5.8	5.6	5.8	5.9	5.8	5.8
174.5°	5.0	4.5	3.7	3.2	5.8	5.8	5.7	5.9	5.9	5.8	5.8
175°	5.0	4.5	4.0	3.2	6.0	5.8	5.7	6.0	5.9	5.8	5.8
175.5°	5.0	4.6	4.4	3.3	5.9	5.9	5.7	6.0	5.9	5.8	5.8
176°	5.0	4.6	4.4	3.3	5.9	5.9	5.7	5.9	5.9	5.8	5.8
176.5°	5.0	4.7	4.5	3.4	5.9	5.9	5.8	5.9	5.9	5.8	5.8
177°	5.0	4.7	4.6	3.4	5.9	5.9	5.8	5.9	5.9	5.8	5.8
177.5°	5.0	4.8	4.7	3.4	5.9	6.1	5.9	5.9	5.8	5.7	5.6
178°	5.0	4.9	4.8	3.5	5.9	6.1	5.9	5.9	5.8	5.8	5.1
178.5°	5.0	4.9	4.9	3.5	6.0	6.1	5.9	5.9	5.8	5.5	4.9
179°	5.0	4.9	4.9	3.5	6.0	6.2	5.9	5.9	5.8	5.2	4.9
179.5°	5.0	4.9	4.9	3.5	6.0	6.2	5.9	6.0	5.8	5.1	4.9



TEST NUMBER: P888023
CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0



TEST NUMBER: P888023
 CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2496.8	2496.8	2496.8	2496.8	2496.8	2496.8
0.5°	2467.2	2456.9	2462.4	2475.1	2482.1	2498.5
1°	2434.3	2423.4	2430.2	2449.3	2468.2	2495.7
1.5°	2401.5	2387.3	2397.3	2423.9	2453.3	2493.3
2°	2366.4	2351.6	2363.0	2396.5	2436.5	2490.4
2.5°	2331.4	2312.4	2328.0	2368.5	2418.2	2486.3
3°	2293.8	2272.7	2289.3	2338.4	2398.6	2479.1
3.5°	2257.6	2231.6	2250.8	2308.3	2379.0	2471.2
4°	2219.3	2188.3	2210.6	2274.9	2357.2	2460.1
4.5°	2177.5	2144.5	2172.6	2241.7	2334.1	2448.7
5°	2135.0	2100.6	2133.4	2206.9	2308.0	2435.3
5.5°	2091.0	2053.4	2091.2	2172.6	2281.2	2421.3
6°	2045.8	2006.6	2046.1	2136.0	2253.0	2405.5
6.5°	1999.5	1958.2	2001.7	2098.2	2223.8	2388.6
7°	1950.7	1906.8	1954.4	2059.5	2194.5	2369.6
7.5°	1901.3	1854.5	1905.6	2017.5	2163.8	2349.2
8°	1850.8	1800.4	1855.2	1975.2	2132.4	2325.6
8.5°	1799.2	1742.6	1803.0	1931.5	2099.4	2300.9
9°	1742.8	1683.5	1747.4	1885.6	2064.0	2275.8
9.5°	1687.5	1623.3	1691.2	1838.3	2028.4	2251.1
10°	1627.6	1559.4	1632.8	1787.9	1991.1	2222.6
10.5°	1568.4	1496.2	1572.9	1737.1	1952.0	2195.4
11°	1504.6	1431.2	1510.2	1684.4	1910.8	2166.0
11.5°	1441.4	1365.0	1444.3	1628.9	1869.3	2136.5
12°	1377.3	1299.9	1380.7	1574.0	1824.9	2103.4
12.5°	1312.5	1235.8	1317.1	1516.4	1777.4	2069.2
13°	1246.9	1174.9	1254.2	1457.1	1732.7	2034.8
13.5°	1185.8	1114.6	1191.0	1394.7	1683.4	1999.9
14°	1125.6	1056.8	1131.4	1334.3	1633.6	1962.4
14.5°	1068.5	999.3	1072.8	1272.7	1581.8	1923.2
15°	1010.6	942.8	1014.7	1213.0	1529.0	1882.5
15.5°	956.3	886.5	957.6	1153.1	1472.7	1841.0
16°	902.6	832.7	903.0	1097.8	1417.7	1797.8
16.5°	850.7	781.2	848.2	1041.4	1360.7	1754.0
17°	799.3	731.2	797.1	986.1	1302.7	1707.2
17.5°	749.3	681.9	746.6	932.0	1244.2	1659.4
18°	701.3	636.2	697.8	879.7	1188.5	1611.9
18.5°	654.7	590.8	651.5	828.4	1133.5	1561.9
19°	609.4	548.1	606.3	777.2	1078.5	1509.1
19.5°	566.0	508.1	563.2	728.1	1025.8	1456.1
20°	524.0	469.6	522.1	681.7	972.5	1402.2
20.5°	485.1	433.1	482.2	635.8	922.0	1347.3
21°	447.4	397.4	443.4	592.2	872.2	1291.0
21.5°	411.2	363.8	407.0	549.2	821.5	1235.0
22°	377.4	332.8	373.1	508.7	771.6	1180.7



TEST NUMBER: P888023
 CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	345.6	304.2	341.5	469.9	726.3	1127.7
23°	315.0	277.7	312.4	433.0	681.3	1075.3
23.5°	287.5	253.9	285.4	398.1	637.0	1024.7
24°	261.8	232.0	260.5	364.2	593.6	973.1
24.5°	238.4	212.4	238.0	332.7	552.7	922.6
25°	217.2	195.6	217.9	303.9	513.3	874.1
25.5°	198.7	180.2	200.6	277.8	475.8	826.3
26°	183.0	166.6	185.0	254.0	439.1	778.6
26.5°	168.5	154.5	170.7	232.5	404.7	733.5
27°	155.7	143.3	157.9	212.6	371.6	689.5
27.5°	144.4	133.6	146.3	195.1	340.5	647.0
28°	133.9	125.0	136.5	179.4	311.5	604.4
28.5°	124.8	117.0	128.1	165.7	285.6	565.4
29°	117.1	109.5	120.1	153.4	261.1	525.7
29.5°	110.0	103.3	112.4	142.5	238.4	488.9
30°	103.4	97.5	106.0	132.8	217.7	452.3
30.5°	97.5	92.2	100.2	124.3	199.6	418.8
31°	91.8	87.3	94.9	116.2	183.7	385.1
31.5°	86.9	83.1	90.1	108.8	169.7	354.9
32°	82.5	78.9	85.7	101.9	156.8	325.3
32.5°	78.7	75.2	81.7	95.8	145.3	298.4
33°	74.9	71.5	77.7	90.4	135.2	272.8
33.5°	71.5	68.3	74.1	85.7	126.7	250.2
34°	68.3	65.4	70.6	81.4	119.0	229.5
34.5°	65.7	63.3	67.4	77.3	111.0	210.3
35°	62.9	61.0	64.5	73.7	104.3	193.5
35.5°	60.5	58.9	61.7	70.2	98.4	178.7
36°	58.1	56.8	59.3	67.3	93.0	165.3
36.5°	55.8	54.9	57.0	64.8	88.1	153.6
37°	53.4	53.0	54.8	62.3	83.6	142.5
37.5°	51.4	51.2	53.1	60.2	79.5	133.4
38°	49.5	49.3	51.2	57.9	75.7	125.0
38.5°	47.6	47.6	49.5	55.6	72.0	117.2
39°	45.9	46.0	47.9	53.6	68.7	110.0
39.5°	44.4	44.2	45.8	51.6	66.0	103.8
40°	42.9	42.6	43.8	50.0	63.5	98.2
40.5°	42.1	41.0	42.1	48.3	61.1	92.9
41°	40.7	39.4	40.7	46.8	58.9	88.2
41.5°	39.6	37.7	39.4	45.6	56.9	84.0
42°	38.4	36.1	38.1	44.1	55.1	80.1
42.5°	37.2	34.6	36.6	43.1	53.3	76.7
43°	35.9	33.3	35.2	41.8	51.4	73.0
43.5°	34.6	31.9	33.8	40.6	49.6	69.7
44°	33.4	30.8	32.7	39.4	47.9	66.7
44.5°	32.1	29.7	31.5	38.0	46.3	64.0



TEST NUMBER: P888023
 CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	30.6	28.7	30.5	36.6	44.7	61.6
45.5°	29.6	27.8	29.2	35.2	43.0	59.1
46°	28.1	26.8	27.9	33.8	41.5	56.9
46.5°	27.1	25.7	26.4	32.7	40.2	55.0
47°	25.8	24.5	25.0	31.6	38.8	53.0
47.5°	24.7	23.2	23.5	30.5	37.7	51.1
48°	23.7	21.5	22.0	29.5	36.5	49.4
48.5°	22.6	19.6	20.7	28.5	35.2	47.6
49°	21.2	17.9	19.2	27.3	33.9	46.0
49.5°	19.4	16.0	17.5	25.9	32.7	44.3
50°	16.7	14.7	15.8	23.8	31.2	42.7
50.5°	14.6	13.6	14.4	21.1	29.8	41.2
51°	13.2	13.0	13.5	19.0	28.1	39.7
51.5°	12.5	12.2	12.7	16.6	26.6	38.0
52°	12.1	11.5	11.9	15.3	24.8	36.6
52.5°	11.0	10.7	11.2	14.3	22.8	35.1
53°	10.4	9.9	10.5	13.6	20.9	33.5
53.5°	9.7	9.2	9.7	13.0	18.8	32.0
54°	9.2	8.5	9.1	12.3	17.1	30.2
54.5°	8.2	8.0	8.5	11.5	15.7	28.1
55°	7.6	7.5	7.9	10.6	14.7	25.9
55.5°	7.1	6.8	7.4	9.9	13.8	23.1
56°	6.8	6.2	6.7	9.2	13.0	20.6
56.5°	5.7	5.7	6.3	8.5	12.5	18.9
57°	5.4	5.2	5.7	7.9	11.6	17.6
57.5°	4.7	4.6	5.1	7.3	10.9	16.4
58°	4.7	4.1	4.6	6.7	10.4	15.3
58.5°	3.6	3.7	4.1	6.1	9.6	14.4
59°	3.3	3.2	3.6	5.6	8.9	13.5
59.5°	2.7	2.7	3.2	5.0	8.3	12.7
60°	2.4	2.7	2.8	4.4	7.6	11.9
60.5°	2.4	2.3	2.5	3.9	7.0	11.1
61°	2.3	1.9	2.4	3.5	6.3	10.3
61.5°	1.3	1.8	2.1	3.2	5.6	9.6
62°	0.9	1.6	1.9	2.8	5.1	8.9
62.5°	0.8	1.4	1.7	2.6	4.4	8.3
63°	0.6	1.4	1.6	2.3	3.8	7.6
63.5°	0.5	1.1	1.3	2.0	3.4	7.0
64°	0.3	1.0	1.2	1.9	3.1	6.3
64.5°	0.2	0.9	1.1	1.6	2.8	5.7
65°	0.0	0.8	1.0	1.4	2.5	5.0
65.5°	0.0	0.6	0.8	1.4	2.3	4.5
66°	0.0	0.5	0.8	1.2	2.0	4.0
66.5°	0.0	0.4	0.6	1.0	1.7	3.4
67°	0.0	0.4	0.6	0.9	1.5	3.1



TEST NUMBER: P888023
 CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.0	0.3	0.4	0.8	1.4	2.7
68°	0.0	0.2	0.4	0.6	1.3	2.6
68.5°	0.0	0.3	0.3	0.6	1.1	2.1
69°	0.0	0.2	0.3	0.5	0.9	1.9
69.5°	0.0	0.2	0.3	0.4	0.8	1.7
70°	0.0	0.2	0.2	0.3	0.7	1.6
70.5°	0.0	0.1	0.2	0.3	0.6	1.4
71°	0.0	0.1	0.1	0.2	0.5	1.2
71.5°	0.0	0.1	0.1	0.2	0.4	1.1
72°	0.0	0.1	0.1	0.1	0.3	0.9
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	0.6
74°	0.0	0.0	0.1	0.1	0.2	0.5
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	0.2
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: P888023
 CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

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: P888023
 CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

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°	0.2	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°	0.2	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°	0.4	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°	0.5	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°	0.6	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°	0.7	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°	0.9	0.0	0.0	0.0	0.0	0.0
134°	1.0	0.0	0.0	0.0	0.0	0.0
134.5°	1.1	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P888023
 CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

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°	1.2	0.1	0.0	0.0	0.0	0.0
136°	1.3	0.0	0.0	0.0	0.0	0.0
136.5°	1.3	0.0	0.0	0.0	0.0	0.0
137°	1.5	0.2	0.1	0.0	0.0	0.0
137.5°	1.5	0.3	0.0	0.0	0.0	0.0
138°	1.6	0.6	0.2	0.0	0.0	0.0
138.5°	1.6	0.6	0.4	0.0	0.0	0.0
139°	1.6	0.7	0.8	0.0	0.0	0.0
139.5°	1.9	0.7	0.9	0.0	0.0	0.0
140°	1.9	0.8	0.9	0.0	0.0	0.0
140.5°	2.0	0.9	0.8	0.0	0.0	0.0
141°	2.0	0.9	0.8	0.1	0.0	0.0
141.5°	2.1	1.0	0.8	0.2	0.0	0.0
142°	2.4	1.0	0.9	0.4	0.0	0.0
142.5°	2.4	1.1	0.9	0.6	0.0	0.0
143°	2.5	1.1	1.0	0.7	0.1	0.0
143.5°	2.5	1.5	1.0	0.7	0.1	0.0
144°	2.7	2.0	1.1	0.7	0.1	0.0
144.5°	2.7	2.4	1.6	0.8	0.2	0.0
145°	2.9	2.5	2.3	0.8	0.2	0.0
145.5°	3.1	2.5	2.5	0.9	0.5	0.0
146°	3.1	2.5	2.5	0.9	0.6	0.0
146.5°	3.2	2.5	2.5	0.9	0.6	0.0
147°	3.3	2.5	2.5	1.2	0.7	0.0
147.5°	3.4	2.5	2.5	1.5	0.7	0.0
148°	3.4	2.5	2.5	1.8	0.7	0.0
148.5°	3.6	2.5	2.5	1.9	0.8	0.2
149°	3.8	2.5	2.5	2.0	0.9	0.5
149.5°	3.8	2.5	2.5	2.1	1.0	0.6
150°	3.9	3.2	2.5	2.2	1.0	0.7
150.5°	4.0	3.3	2.4	2.3	1.1	0.7
151°	4.2	3.3	2.8	2.4	1.5	0.7
151.5°	4.2	3.4	3.1	2.4	2.2	0.8
152°	4.2	3.4	3.4	2.4	2.4	0.8
152.5°	4.4	3.5	3.4	2.4	2.4	0.9
153°	4.5	3.5	3.4	2.5	2.4	0.9
153.5°	4.5	3.5	3.4	2.5	2.5	0.9
154°	4.7	3.6	3.5	3.1	2.5	1.2
154.5°	4.8	3.6	3.5	3.4	2.6	1.2
155°	5.0	3.7	3.5	3.5	2.6	1.8
155.5°	5.1	3.7	3.5	3.6	2.7	2.3
156°	5.1	4.1	3.6	3.6	2.7	2.5
156.5°	5.1	4.8	3.7	3.6	2.8	2.5
157°	5.3	4.9	4.0	3.6	2.8	2.5



TEST NUMBER: P888023
 CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	5.3	4.9	4.9	3.6	2.9	2.5
158°	5.4	4.9	4.9	4.0	3.0	2.5
158.5°	5.6	4.9	5.0	4.2	3.1	2.5
159°	5.6	4.9	5.1	4.5	3.2	2.5
159.5°	5.7	4.9	5.2	4.6	3.3	2.5
160°	5.8	5.0	5.2	4.8	3.4	2.5
160.5°	5.8	5.0	5.3	4.9	3.5	2.7
161°	5.8	5.0	5.4	4.9	3.7	3.2
161.5°	5.8	5.1	5.4	4.9	4.3	3.5
162°	5.8	5.1	5.5	4.9	4.3	3.5
162.5°	5.8	5.2	5.6	5.0	4.4	3.4
163°	5.9	5.2	5.7	5.0	4.5	3.4
163.5°	5.9	5.8	5.8	5.0	4.6	3.6
164°	5.9	5.9	5.9	5.4	4.6	3.7
164.5°	5.9	6.0	5.9	5.8	4.7	3.9
165°	5.9	6.0	6.0	5.8	4.8	4.1
165.5°	5.9	5.9	6.0	5.8	4.8	4.2
166°	5.9	5.9	6.0	5.9	4.9	4.4
166.5°	5.9	6.0	6.1	5.9	4.8	4.9
167°	5.9	6.0	6.1	5.9	5.0	5.0
167.5°	5.9	6.0	6.2	5.9	5.1	5.0
168°	5.9	6.0	6.1	5.9	5.4	5.0
168.5°	5.9	6.0	6.2	5.9	5.5	5.0
169°	5.9	6.0	6.2	5.9	5.8	5.0
169.5°	5.9	6.1	6.2	6.0	5.8	5.0
170°	5.9	6.0	6.4	6.0	5.8	5.0
170.5°	5.9	6.0	6.4	6.1	5.8	5.0
171°	5.9	6.1	6.5	6.1	5.8	5.0
171.5°	5.9	6.1	6.6	6.1	5.8	5.0
172°	5.9	6.1	6.8	6.1	5.8	5.0
172.5°	5.9	6.1	6.9	6.1	5.8	5.0
173°	5.9	6.1	7.0	6.1	5.8	5.0
173.5°	5.9	6.1	7.1	6.1	5.8	5.0
174°	5.9	6.1	7.0	6.1	5.8	5.0
174.5°	5.9	6.1	7.0	6.1	5.8	5.0
175°	5.9	6.1	6.9	6.1	5.8	5.0
175.5°	5.9	6.1	6.8	6.1	5.8	5.0
176°	5.7	6.2	6.7	6.2	5.8	5.0
176.5°	5.6	6.2	6.6	6.2	5.8	5.0
177°	5.1	6.2	6.6	6.2	5.8	5.0
177.5°	4.9	6.2	6.4	6.2	5.8	5.0
178°	4.9	6.2	6.4	6.2	5.8	5.0
178.5°	5.0	6.2	6.4	6.2	5.8	5.0
179°	4.9	6.2	6.2	6.1	5.8	5.0
179.5°	4.9	6.2	6.0	6.1	5.8	5.0



TEST NUMBER: P888023
CATALOG NUMBER: RLS6159FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	5.0	5.0	5.0	5.0	5.0	5.0

(END OF REPORT)