

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: P888022

Luminaire Tested: RLS6159FS1EMBDMR-3000K

Issue Date: 10/10/2024

Test Information

Test Method: LM-79-2019
Report Number: P888022
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-3000K
Description:
Light Source: -
Ballast/Driver: -

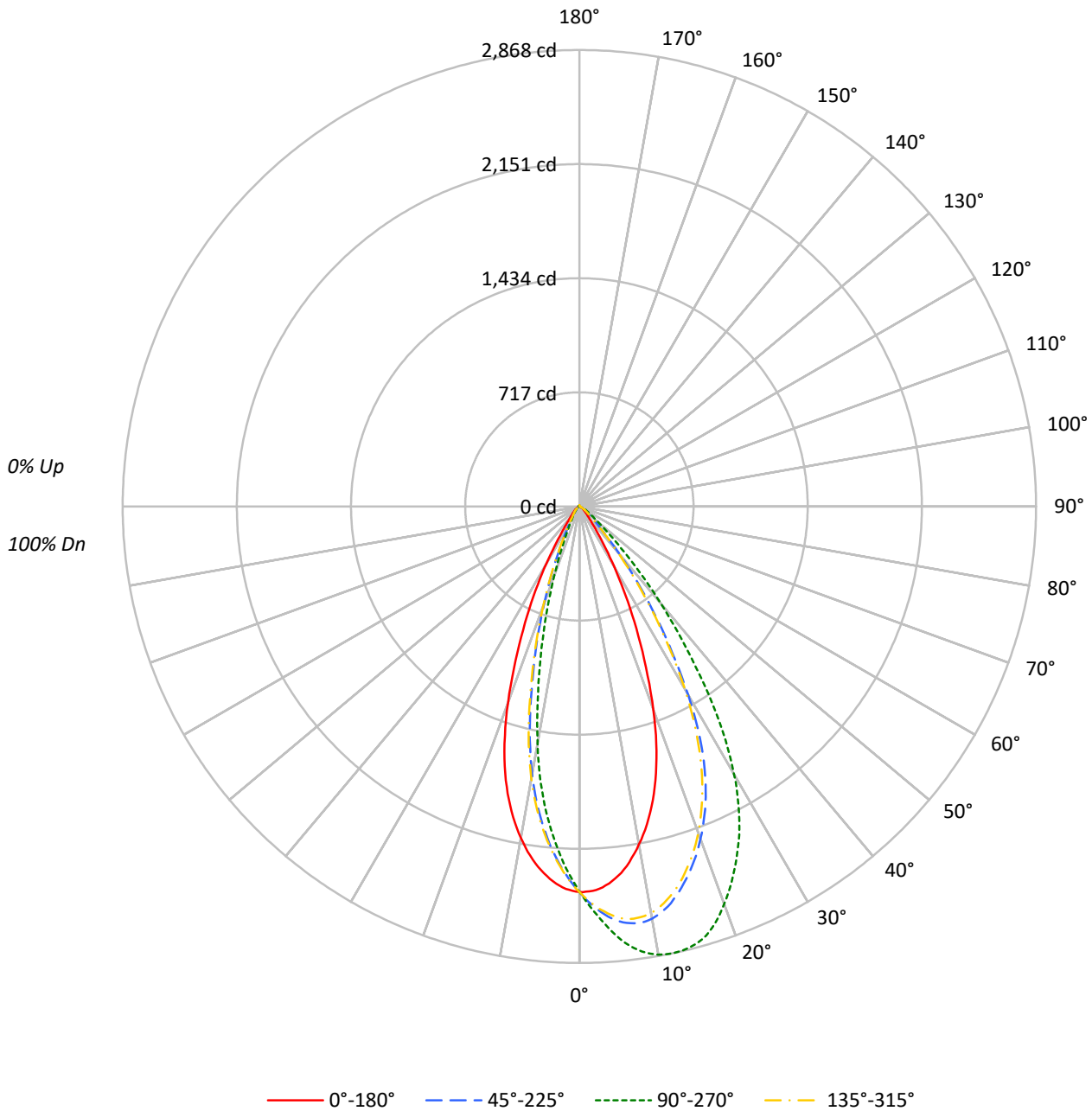
Summary

Lumens per Lamp: 1656.4 (1 lamp)
Luminaire Lumens: 1625.0 lumens
Efficiency: 98.1%
Efficacy: 83.8 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: P888022
CATALOG NUMBER: RLS6159FS1EMBDMR-3000K

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	117	117	117	117	114	114	114	114	109	109	109	104	104	104	100	100	100	98
1	111	109	106	104	109	107	105	103	103	101	99	99	98	96	96	95	94	92
2	106	102	98	94	104	100	96	93	97	94	91	94	91	89	91	89	87	86
3	101	95	90	86	99	94	89	86	91	87	84	89	86	83	86	84	82	80
4	96	89	84	80	94	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	90	83	78	74	81	76	73	79	75	72	78	74	72	70
6	87	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66
7	83	74	69	65	82	74	68	65	72	68	64	71	67	64	70	66	63	62
8	79	70	65	61	78	70	64	61	69	64	60	68	63	60	67	63	60	59
9	76	67	61	57	75	66	61	57	65	60	57	64	60	57	64	60	57	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	73953	73953	73953	73953
5°	72406	83075	71429	62455
10°	66845	88660	65527	46902
15°	57724	89866	56318	28908
20°	44196	86406	42542	14799
25°	28566	79473	27171	6394
30°	15469	68561	14553	3335
35°	6996	50964	6314	2206
40°	3794	31672	3328	1646
45°	2582	16217	2336	1200
50°	1971	7462	1748	674
55°	1336	4317	1299	389
60°	708	3071	684	159
65°	354	1633	332	58
70°	134	821	62	18
75°	47	330	0	0
80°	0	0	0	0
85°	0	0	0	35

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 16217 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	219.5	13.5	13.2
10°-20°	504.4	31.0	30.5
20°-30°	483.8	29.8	29.2
30°-40°	280.0	17.2	16.9
40°-50°	94.3	5.8	5.7
50°-60°	30.1	1.8	1.8
60°-70°	8.5	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°	1.0	0.1	0.1
160°-170°	1.1	0.1	0.1
170°-180°	0.5	0.0	0.0
0°-30°	1207.7	74.3	72.9
0°-40°	1487.8	91.6	89.8
0°-60°	1612.1	99.2	97.3
0°-90°	1621.6	99.8	97.9
90°-120°	0.0	0.0	0.0
90°-150°	0.8	0.0	0.0
90°-180°	3.0	0.2	0.2
0°-180°	1625.0	100.0	98.1

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2422	2422	2422	2422	2422	
5°	2363	2711	2331	2038	2363	219
15°	1826	2843	1782	915	1826	499
25°	848	2359	807	190	848	387
35°	188	1367	169	59	188	131
45°	60	376	54	28	60	48
55°	25	81	24	7	25	22
65°	5	23	5	1	5	5
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	2	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: P888022
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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3
0.5°	2423.9	2440.1	2448.4	2455.2	2450.1	2448.8	2445.0	2431.3	2420.0	2410.9	2399.3
1°	2421.2	2451.8	2471.8	2485.6	2482.9	2476.3	2464.9	2440.7	2415.3	2393.1	2373.7
1.5°	2418.9	2462.6	2492.4	2513.9	2513.1	2504.7	2485.2	2448.2	2409.8	2375.1	2346.9
2°	2416.0	2470.4	2512.8	2539.9	2542.1	2531.7	2502.4	2455.0	2404.2	2355.1	2319.6
2.5°	2412.1	2479.5	2531.4	2567.0	2571.0	2557.9	2520.9	2460.3	2395.9	2335.6	2289.7
3°	2405.1	2485.5	2550.9	2593.3	2600.7	2580.6	2535.9	2462.3	2385.8	2314.6	2260.5
3.5°	2397.4	2491.0	2567.1	2619.3	2628.8	2605.2	2549.2	2464.3	2375.1	2291.1	2229.4
4°	2386.7	2494.0	2582.6	2644.2	2657.0	2628.3	2563.0	2463.9	2361.9	2267.1	2197.0
4.5°	2375.6	2495.5	2595.8	2668.6	2684.0	2650.9	2575.6	2463.1	2347.4	2242.3	2163.4
5°	2362.6	2495.1	2608.2	2691.5	2710.7	2672.5	2587.4	2460.0	2330.7	2216.9	2130.3
5.5°	2349.0	2493.4	2618.5	2711.5	2734.1	2692.6	2596.9	2457.4	2315.2	2190.1	2093.3
6°	2333.7	2489.6	2628.3	2729.2	2757.4	2710.3	2602.5	2453.5	2297.5	2162.0	2055.4
6.5°	2317.3	2485.2	2633.6	2746.0	2776.7	2727.6	2608.7	2445.9	2279.9	2133.7	2017.3
7°	2298.9	2479.0	2638.5	2760.9	2794.8	2742.4	2610.9	2437.3	2260.7	2104.2	1979.5
7.5°	2279.1	2471.0	2641.6	2775.1	2809.9	2754.1	2612.2	2426.6	2238.9	2073.5	1938.1
8°	2256.2	2460.5	2643.9	2786.5	2823.4	2764.3	2611.4	2414.2	2215.0	2041.4	1894.6
8.5°	2232.2	2448.1	2643.3	2794.1	2834.1	2771.0	2609.1	2400.7	2192.4	2009.4	1851.0
9°	2207.8	2432.8	2641.3	2800.5	2844.9	2776.3	2606.4	2386.2	2166.4	1972.5	1804.0
9.5°	2183.9	2417.3	2636.4	2806.4	2852.5	2781.1	2600.2	2369.0	2140.6	1936.3	1757.6
10°	2156.2	2400.5	2629.9	2809.9	2859.9	2783.7	2592.7	2352.0	2113.7	1898.2	1708.1
10.5°	2129.9	2382.6	2621.4	2810.2	2863.4	2784.2	2585.2	2333.3	2087.4	1860.7	1658.9
11°	2101.3	2362.0	2611.5	2809.6	2865.7	2782.2	2572.7	2312.5	2058.0	1819.4	1604.7
11.5°	2072.8	2340.5	2599.3	2806.7	2866.7	2779.3	2562.4	2291.0	2028.1	1777.2	1550.0
12°	2040.6	2318.0	2587.7	2803.8	2868.2	2775.4	2549.2	2269.9	1995.9	1734.0	1495.2
12.5°	2007.4	2295.5	2573.4	2798.8	2866.6	2771.1	2533.7	2245.4	1962.8	1689.7	1438.3
13°	1974.1	2272.3	2557.9	2794.3	2865.1	2765.0	2517.7	2221.4	1928.9	1641.7	1378.5
13.5°	1940.2	2247.1	2538.0	2785.7	2861.5	2757.3	2502.6	2197.3	1894.9	1593.0	1320.3
14°	1903.8	2220.0	2519.0	2779.1	2857.4	2744.9	2484.2	2171.7	1858.4	1541.8	1259.8
14.5°	1865.8	2192.7	2499.5	2766.3	2850.1	2734.2	2465.1	2143.3	1820.7	1490.2	1200.3
15°	1826.3	2165.9	2479.4	2753.2	2843.2	2723.4	2443.6	2113.4	1781.8	1436.9	1141.7
15.5°	1786.0	2137.1	2456.2	2736.5	2833.5	2707.7	2421.8	2084.2	1741.0	1382.8	1086.8
16°	1744.1	2107.9	2434.5	2721.2	2823.1	2691.0	2398.2	2054.8	1698.1	1326.8	1032.9
16.5°	1701.6	2077.4	2412.4	2704.2	2809.1	2672.7	2374.2	2023.1	1655.6	1271.3	980.7
17°	1656.2	2044.7	2388.2	2683.1	2793.7	2652.3	2350.0	1990.7	1610.3	1215.2	930.1
17.5°	1609.9	2011.5	2361.5	2660.6	2775.5	2631.2	2325.5	1957.7	1562.5	1160.5	880.2
18°	1563.8	1977.2	2336.5	2638.4	2755.7	2609.6	2299.4	1922.7	1513.4	1105.6	829.8
18.5°	1515.2	1943.4	2310.9	2613.4	2732.9	2587.4	2273.1	1886.2	1463.8	1053.5	781.4
19°	1464.0	1907.2	2282.8	2588.6	2709.9	2565.6	2245.1	1848.8	1413.7	1003.2	733.6
19.5°	1412.6	1868.4	2253.4	2562.1	2684.7	2541.0	2215.1	1811.2	1362.1	952.8	686.6
20°	1360.3	1829.0	2224.6	2536.7	2659.5	2515.0	2182.6	1771.6	1309.4	904.4	641.8
20.5°	1307.0	1788.8	2195.3	2511.2	2632.8	2488.6	2150.0	1730.0	1256.6	855.6	598.1
21°	1252.5	1745.4	2163.5	2485.7	2605.8	2459.7	2116.4	1688.8	1203.4	809.2	556.6
21.5°	1198.2	1702.9	2129.5	2457.4	2577.8	2429.5	2083.1	1643.1	1149.6	763.5	517.4
22°	1145.5	1657.5	2095.7	2427.6	2549.5	2399.3	2047.9	1597.5	1098.1	718.7	479.3



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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°	1094.1	1611.4	2062.3	2395.2	2519.3	2368.8	2011.4	1550.8	1047.4	675.5	443.2
23°	1043.2	1563.8	2028.1	2364.5	2488.8	2337.8	1974.0	1504.5	997.6	632.8	408.2
23.5°	994.1	1513.6	1991.2	2331.9	2457.0	2305.0	1935.9	1454.0	947.9	591.3	375.3
24°	944.1	1460.8	1951.3	2298.9	2425.3	2269.8	1896.6	1404.7	900.2	552.7	345.2
24.5°	895.1	1408.1	1911.5	2264.5	2392.2	2232.8	1855.4	1351.5	852.7	513.7	314.7
25°	848.0	1353.6	1870.5	2229.4	2359.2	2193.8	1813.8	1301.6	806.6	476.3	286.9
25.5°	801.6	1298.8	1827.6	2193.0	2325.0	2157.6	1770.8	1246.4	761.6	440.5	260.9
26°	755.3	1243.7	1782.0	2154.9	2290.6	2120.4	1726.3	1195.4	718.7	407.0	238.7
26.5°	711.6	1189.1	1735.7	2116.6	2251.8	2080.8	1679.7	1141.6	674.6	372.8	216.1
27°	668.9	1136.9	1688.6	2077.9	2212.9	2040.5	1632.0	1089.7	633.7	341.7	197.4
27.5°	627.6	1084.8	1639.2	2036.1	2172.2	1997.5	1584.2	1039.1	594.5	312.7	180.6
28°	586.3	1034.1	1586.3	1990.9	2129.7	1952.5	1534.3	988.8	556.1	285.7	165.5
28.5°	548.5	984.1	1535.1	1946.1	2085.8	1906.7	1483.6	938.2	517.8	259.5	151.8
29°	510.0	934.0	1479.7	1898.7	2043.2	1860.2	1432.8	890.1	482.1	236.5	140.7
29.5°	474.3	886.1	1424.1	1849.0	1995.3	1811.1	1379.4	842.3	446.8	214.7	130.1
30°	438.8	837.8	1364.2	1797.5	1944.8	1761.2	1324.1	796.7	412.8	195.6	121.0
30.5°	406.3	792.5	1307.3	1745.2	1892.9	1708.4	1269.0	749.4	379.9	178.3	113.1
31°	373.6	745.0	1248.1	1691.5	1841.7	1655.3	1212.9	705.2	349.3	163.3	106.1
31.5°	344.3	702.3	1191.8	1636.5	1788.3	1600.7	1157.2	661.7	319.7	150.5	100.2
32°	315.6	659.6	1135.2	1578.2	1733.2	1545.2	1103.1	619.9	292.8	139.3	94.8
32.5°	289.5	619.4	1081.4	1518.1	1676.8	1488.1	1050.0	578.8	267.2	128.8	89.8
33°	264.7	578.3	1027.5	1456.4	1618.0	1428.3	996.1	539.6	244.0	119.6	85.3
33.5°	242.7	541.5	976.6	1394.9	1557.1	1367.6	944.5	501.1	221.9	111.9	81.4
34°	222.6	504.2	925.0	1330.4	1496.8	1307.1	892.4	465.4	202.8	104.8	77.3
34.5°	204.0	467.6	873.1	1265.2	1431.8	1246.5	842.2	431.0	184.8	98.6	73.6
35°	187.7	431.1	822.2	1203.9	1367.4	1186.1	793.0	397.4	169.4	92.8	70.0
35.5°	173.3	399.7	774.8	1144.3	1302.7	1127.2	743.5	364.8	155.2	88.0	66.6
36°	160.4	368.5	727.9	1087.3	1240.9	1072.2	696.3	335.2	142.8	83.7	63.6
36.5°	149.0	338.3	681.1	1031.8	1179.9	1016.3	650.8	306.6	131.9	79.7	60.8
37°	138.2	309.3	637.2	976.6	1121.2	962.2	606.7	280.2	122.2	75.8	58.5
37.5°	129.4	284.2	594.7	923.2	1064.8	909.2	565.1	255.3	114.2	72.1	56.3
38°	121.3	259.7	553.5	869.8	1008.2	856.8	524.3	232.7	106.7	68.8	54.2
38.5°	113.7	237.0	513.3	817.9	952.7	804.7	485.5	211.6	100.1	65.3	52.3
39°	106.7	217.0	476.4	768.1	898.9	755.1	448.0	193.4	94.0	62.3	50.3
39.5°	100.7	198.3	439.0	718.9	846.2	706.6	412.3	177.4	88.5	59.4	48.6
40°	95.2	182.3	403.8	671.3	794.7	659.4	377.9	162.8	83.5	56.9	46.8
40.5°	90.1	167.5	370.5	625.2	745.7	613.1	345.0	149.7	79.3	54.5	45.2
41°	85.6	154.8	340.1	581.6	697.3	569.9	314.6	138.5	75.4	52.6	43.4
41.5°	81.5	143.2	310.5	538.9	651.0	528.9	286.8	128.3	71.7	50.7	41.6
42°	77.8	133.2	282.9	499.1	607.4	489.3	261.2	119.5	68.5	48.9	40.1
42.5°	74.4	124.4	258.1	461.4	566.3	450.9	238.4	112.0	65.5	47.3	38.2
43°	70.8	116.3	235.3	424.1	523.8	414.4	217.9	104.7	63.0	45.5	36.6
43.5°	67.6	108.9	214.7	388.3	483.9	379.5	199.0	98.3	60.6	44.0	35.2
44°	64.7	102.0	196.9	356.2	445.8	347.0	182.4	92.4	58.3	42.2	33.8
44.5°	62.1	96.2	181.3	325.1	410.9	316.8	167.5	87.1	56.2	40.7	32.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	59.8	90.8	167.1	297.0	375.6	288.6	154.1	82.3	54.1	39.0	31.0
45.5°	57.4	86.1	154.4	270.2	343.2	262.5	142.3	78.0	52.0	37.8	30.0
46°	55.2	81.7	143.1	247.2	313.0	239.8	131.3	74.2	49.9	36.2	29.1
46.5°	53.4	77.6	133.5	225.1	286.6	219.5	122.0	70.6	47.7	35.0	28.5
47°	51.4	73.8	125.0	206.6	260.2	200.8	114.0	67.4	45.6	33.7	27.2
47.5°	49.6	70.3	117.4	190.0	237.8	184.1	106.5	64.5	43.9	32.5	26.1
48°	47.9	67.5	109.8	175.4	218.1	169.2	99.8	61.5	42.0	31.5	25.2
48.5°	46.2	64.8	103.1	162.2	200.4	155.5	93.6	58.6	40.6	31.0	24.2
49°	44.6	62.0	97.3	150.8	184.2	143.6	87.8	55.9	39.3	29.7	23.3
49.5°	43.0	59.6	92.0	140.2	169.9	132.6	82.4	53.7	38.1	28.6	21.9
50°	41.5	57.3	86.9	130.7	157.1	123.2	78.0	51.8	36.8	27.5	21.1
50.5°	39.9	54.7	82.3	121.8	145.9	115.1	73.7	49.9	35.6	26.2	19.5
51°	38.6	52.3	78.1	113.9	135.0	107.8	70.0	47.9	34.0	25.2	18.5
51.5°	36.9	50.0	74.2	106.2	125.7	101.3	66.7	45.8	32.9	23.8	16.8
52°	35.5	48.0	70.3	99.2	117.7	95.1	63.7	44.1	31.5	22.6	15.1
52.5°	34.1	46.1	66.5	93.1	110.1	89.5	60.8	42.5	30.6	21.4	13.8
53°	32.5	44.1	63.2	87.9	103.1	84.2	58.2	40.8	29.0	20.1	12.2
53.5°	31.0	42.5	60.6	83.1	96.6	79.7	55.8	39.1	27.9	18.8	11.8
54°	29.3	41.1	58.1	78.7	90.6	75.7	53.6	37.6	26.6	16.8	10.7
54.5°	27.2	39.3	55.7	74.5	85.5	72.0	51.5	36.2	25.5	15.3	10.2
55°	25.1	37.8	53.3	70.8	81.1	68.4	49.4	34.8	24.4	14.1	9.4
55.5°	22.4	36.4	51.1	67.2	77.0	65.2	47.3	33.5	22.8	12.9	9.3
56°	20.0	34.9	48.9	63.7	72.9	62.3	45.3	31.9	21.1	12.0	8.1
56.5°	18.3	33.5	47.0	60.7	69.0	59.7	43.3	30.6	19.1	11.7	7.6
57°	17.1	31.6	45.0	57.8	65.6	57.6	41.4	28.9	17.3	10.7	7.0
57.5°	15.9	29.2	42.6	55.1	62.6	55.3	39.6	27.4	15.9	10.2	6.9
58°	14.9	26.7	40.2	52.6	59.9	53.1	38.1	26.0	14.6	9.4	5.7
58.5°	14.0	24.1	37.8	50.2	57.5	50.7	36.6	24.4	13.7	9.4	5.4
59°	13.1	22.2	35.0	47.9	55.0	48.4	35.4	22.5	12.9	8.2	4.6
59.5°	12.3	20.9	32.6	45.6	52.5	46.2	34.0	20.2	11.8	7.7	4.6
60°	11.6	19.0	30.1	43.5	50.3	43.9	32.4	17.9	11.2	6.8	3.7
60.5°	10.7	17.6	27.3	41.5	48.1	41.3	30.0	16.5	10.2	6.1	3.1
61°	10.0	16.4	25.2	38.4	45.7	38.4	26.2	15.1	9.7	5.4	2.9
61.5°	9.3	15.4	23.4	35.1	43.1	35.5	23.7	14.1	9.3	4.9	2.4
62°	8.7	14.4	21.9	31.5	39.2	32.3	21.5	13.1	8.4	4.6	2.3
62.5°	8.0	13.2	20.4	28.1	35.1	28.7	19.9	12.2	7.9	4.2	2.3
63°	7.4	12.2	19.4	26.0	31.3	25.8	18.8	11.6	7.1	3.2	1.5
63.5°	6.8	11.2	17.9	24.5	28.2	24.0	17.3	10.6	6.8	3.1	0.9
64°	6.1	10.3	16.3	22.9	25.9	22.5	16.4	9.7	5.8	2.7	0.8
64.5°	5.5	9.6	14.9	21.7	24.2	21.0	15.1	9.1	5.4	2.2	0.7
65°	4.9	8.7	13.7	20.0	22.6	19.6	14.0	8.2	4.6	1.8	0.6
65.5°	4.4	8.1	12.5	18.2	21.4	18.4	12.8	7.6	4.6	1.3	0.5
66°	3.9	7.5	11.4	16.4	19.7	16.8	11.7	6.9	3.3	0.9	0.1
66.5°	3.3	6.9	10.4	14.9	17.9	15.3	10.5	6.7	3.0	0.8	0.0
67°	3.0	6.2	9.7	13.6	16.3	14.2	9.6	5.7	2.6	0.7	0.0



TEST NUMBER: P888022
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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°	2.6	5.7	8.8	12.5	14.4	12.9	9.0	5.6	2.2	0.7	0.0
68°	2.5	5.1	8.0	11.4	13.1	11.8	8.0	4.7	1.7	0.5	0.0
68.5°	2.1	4.6	7.4	10.5	12.0	10.3	7.2	4.2	1.3	0.1	0.0
69°	1.8	3.9	6.7	9.9	10.7	9.3	6.9	3.3	0.9	0.0	0.0
69.5°	1.7	3.5	6.0	8.8	9.7	8.4	5.9	2.9	0.8	0.0	0.0
70°	1.5	3.2	5.5	7.9	9.2	8.1	5.5	2.5	0.7	0.0	0.0
70.5°	1.4	2.7	5.0	7.5	8.1	7.0	4.8	2.1	0.6	0.0	0.0
71°	1.2	2.6	4.5	6.5	7.1	6.4	4.4	1.7	0.3	0.0	0.0
71.5°	1.1	2.0	4.1	5.9	7.0	5.5	4.0	1.3	0.0	0.0	0.0
72°	0.9	1.9	3.6	5.4	5.6	4.9	3.1	0.8	0.0	0.0	0.0
72.5°	0.8	1.7	3.1	4.9	5.0	4.7	2.7	0.6	0.0	0.0	0.0
73°	0.7	1.4	2.6	4.3	4.5	4.4	2.2	0.6	0.0	0.0	0.0
73.5°	0.6	1.3	2.5	3.9	4.3	3.4	2.2	0.5	0.0	0.0	0.0
74°	0.5	1.1	2.1	3.4	3.3	3.2	1.2	0.4	0.0	0.0	0.0
74.5°	0.4	0.9	1.9	3.0	3.1	2.3	1.0	0.4	0.0	0.0	0.0
75°	0.4	0.8	1.6	2.7	2.8	2.3	0.9	0.3	0.0	0.0	0.0
75.5°	0.2	0.7	1.4	2.6	2.5	2.2	0.7	0.2	0.0	0.0	0.0
76°	0.3	0.5	1.2	2.4	2.3	1.1	0.5	0.2	0.0	0.0	0.0
76.5°	0.2	0.5	1.1	1.7	2.0	0.8	0.4	0.1	0.0	0.0	0.0
77°	0.1	0.4	0.9	1.4	1.0	0.7	0.0	0.1	0.0	0.0	0.0
77.5°	0.1	0.3	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	0.8	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: P888022
 CATALOG NUMBER: RLS6159FS1EMBDMR-3000K

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: P888022
 CATALOG NUMBER: RLS6159FS1EMBDMR-3000K

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	0.1
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	0.3
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	0.1	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	0.4
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: P888022
 CATALOG NUMBER: RLS6159FS1EMBDMR-3000K

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	0.8
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	0.6	0.8
137°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.7	0.8
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	1.1
138.5°	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.2	0.4	0.8	1.1
139°	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.2	0.4	0.9	1.1
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	0.5	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	1.5
141°	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.3	0.6	1.1	1.4
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	0.2	0.2	0.2	0.4	0.7	1.1	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	0.4	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	1.4	2.0
145°	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.5	0.9	1.5	2.2
145.5°	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.6	1.0	1.7	2.3
146°	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.6	1.1	1.7	2.4
146.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.8	1.1	1.8	2.5
147°	0.0	0.0	0.0	0.0	0.4	0.5	0.6	0.8	1.3	1.9	2.6
147.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.8	1.3	2.1	2.7
148°	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.9	1.4	2.2	2.8
148.5°	0.2	0.0	0.0	0.0	0.6	0.5	0.7	0.9	1.4	2.4	2.9
149°	0.4	0.0	0.0	0.0	0.6	0.6	0.7	1.0	1.5	2.5	3.0
149.5°	0.6	0.0	0.0	0.0	0.7	0.7	0.8	1.0	1.5	2.5	3.1
150°	0.6	0.0	0.0	0.0	0.7	0.6	0.8	1.1	1.7	2.5	3.1
150.5°	0.7	0.0	0.0	0.0	0.8	0.7	0.8	1.1	1.7	2.6	3.3
151°	0.7	0.0	0.0	0.0	0.7	0.8	0.9	1.2	1.8	2.6	3.4
151.5°	0.8	0.1	0.0	0.0	0.8	0.8	0.8	1.2	1.9	2.6	3.5
152°	0.8	0.1	0.0	0.0	0.9	0.9	0.9	1.1	2.0	2.7	3.6
152.5°	0.8	0.3	0.0	0.0	0.9	1.0	0.9	1.3	2.0	2.9	3.6
153°	0.8	0.5	0.0	0.0	1.0	1.0	1.1	1.3	2.1	3.0	3.9
153.5°	0.9	0.6	0.0	0.0	1.0	1.1	1.1	1.4	2.2	3.1	3.9
154°	1.1	0.6	0.1	0.0	1.1	1.1	1.2	1.5	2.3	3.2	4.1
154.5°	1.2	0.7	0.0	0.0	1.1	1.2	1.4	1.6	2.4	3.2	4.2
155°	1.7	0.7	0.0	0.0	1.2	1.2	1.3	1.7	2.5	3.3	4.2
155.5°	2.3	0.8	0.1	0.0	1.2	1.4	1.5	1.7	2.6	3.5	4.3
156°	2.4	0.8	0.2	0.0	1.3	1.5	1.5	1.8	2.7	3.6	4.5
156.5°	2.4	0.9	0.3	0.0	1.4	1.5	1.5	1.9	2.8	3.8	4.6
157°	2.4	0.9	0.4	0.0	1.4	1.5	1.6	2.0	2.9	3.8	4.8



TEST NUMBER: P888022
 CATALOG NUMBER: RLS6159FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	2.4	1.1	0.5	0.1	1.6	1.7	1.7	2.2	2.9	3.9	4.8
158°	2.4	1.2	0.6	0.1	1.7	1.8	1.7	2.3	3.1	4.0	5.0
158.5°	2.4	1.6	0.6	0.2	1.9	1.8	1.8	2.4	3.2	4.1	5.0
159°	2.4	2.2	0.7	0.4	2.0	1.9	2.1	2.5	3.2	4.2	5.1
159.5°	2.4	2.4	0.8	0.6	2.1	2.0	2.2	2.6	3.5	4.3	5.1
160°	2.4	2.4	0.8	0.7	2.2	2.2	2.2	2.7	3.5	4.5	5.3
160.5°	2.6	2.4	0.9	0.7	2.5	2.3	2.3	2.7	3.6	4.5	5.4
161°	3.1	2.4	1.0	0.7	2.5	2.4	2.4	2.9	3.7	4.7	5.4
161.5°	3.4	2.4	1.0	0.8	2.5	2.5	2.5	3.0	3.8	4.8	5.5
162°	3.4	2.4	1.1	0.8	2.5	2.6	2.6	3.1	3.9	4.8	5.7
162.5°	3.3	2.4	1.5	0.8	2.7	2.6	2.7	3.3	4.1	4.9	5.7
163°	3.3	2.5	2.2	0.9	2.9	2.7	2.8	3.2	4.1	5.1	5.7
163.5°	3.5	2.6	2.3	0.9	2.9	2.8	2.9	3.3	4.2	5.0	5.7
164°	3.6	2.7	2.3	0.8	3.0	2.9	3.0	3.4	4.4	5.1	5.8
164.5°	3.8	2.8	2.3	1.1	3.1	3.0	3.1	3.6	4.5	5.3	5.8
165°	3.9	2.9	2.4	1.0	3.2	3.1	3.3	3.7	4.6	5.4	5.8
165.5°	4.1	3.0	2.5	1.2	3.2	3.3	3.4	3.8	4.8	5.4	5.7
166°	4.2	3.0	2.5	1.6	3.4	3.4	3.4	3.9	4.8	5.4	5.7
166.5°	4.7	3.1	2.6	2.3	3.5	3.6	3.6	3.9	4.9	5.5	5.6
167°	4.8	3.2	2.7	2.4	3.6	3.7	3.7	4.1	5.0	5.7	5.6
167.5°	4.8	3.3	2.8	2.4	3.6	3.8	3.7	4.2	5.1	5.7	5.6
168°	4.8	3.3	2.8	2.4	3.8	3.9	4.0	4.4	5.2	5.8	5.6
168.5°	4.8	3.3	2.9	2.4	4.0	4.0	4.0	4.5	5.3	5.8	5.6
169°	4.8	3.4	3.0	2.4	4.1	4.1	4.1	4.5	5.4	5.7	5.6
169.5°	4.8	3.5	3.0	2.4	4.2	4.2	4.3	4.8	5.4	5.7	5.6
170°	4.8	3.6	3.2	2.4	4.4	4.3	4.4	4.8	5.5	5.7	5.6
170.5°	4.8	3.9	3.2	2.4	4.6	4.5	4.5	4.9	5.6	5.6	5.6
171°	4.8	4.0	3.2	2.4	4.8	4.7	4.7	5.1	5.7	5.6	5.6
171.5°	4.8	4.0	3.3	2.4	4.9	4.9	4.8	5.1	5.7	5.7	5.6
172°	4.8	4.1	3.3	2.4	5.1	5.1	5.0	5.2	5.7	5.7	5.7
172.5°	4.8	4.2	3.4	2.4	5.2	5.2	5.1	5.4	5.7	5.7	5.7
173°	4.8	4.2	3.4	2.4	5.3	5.5	5.2	5.5	5.7	5.7	5.7
173.5°	4.8	4.3	3.5	2.7	5.4	5.6	5.3	5.6	5.7	5.7	5.7
174°	4.8	4.3	3.5	3.1	5.6	5.6	5.4	5.7	5.7	5.7	5.7
174.5°	4.8	4.4	3.6	3.1	5.7	5.6	5.5	5.7	5.7	5.7	5.7
175°	4.8	4.4	3.8	3.1	5.8	5.7	5.5	5.8	5.7	5.7	5.7
175.5°	4.8	4.5	4.2	3.2	5.7	5.7	5.5	5.8	5.7	5.7	5.7
176°	4.8	4.5	4.3	3.2	5.7	5.7	5.6	5.8	5.7	5.7	5.7
176.5°	4.8	4.6	4.4	3.3	5.7	5.7	5.6	5.8	5.7	5.7	5.7
177°	4.8	4.6	4.5	3.3	5.7	5.7	5.6	5.8	5.7	5.7	5.7
177.5°	4.8	4.7	4.6	3.3	5.8	5.9	5.7	5.8	5.7	5.5	5.4
178°	4.8	4.7	4.7	3.4	5.8	5.9	5.7	5.8	5.7	5.6	5.0
178.5°	4.8	4.8	4.8	3.4	5.8	5.9	5.7	5.8	5.7	5.4	4.8
179°	4.8	4.8	4.8	3.4	5.8	6.0	5.7	5.8	5.7	5.0	4.8
179.5°	4.8	4.8	4.8	3.4	5.9	6.1	5.7	5.8	5.7	4.9	4.8



TEST NUMBER: P888022
CATALOG NUMBER: RLS6159FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8



TEST NUMBER: P888022
 CATALOG NUMBER: RLS6159FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3
0.5°	2393.6	2383.6	2388.9	2401.2	2408.0	2423.9
1°	2361.7	2351.1	2357.7	2376.2	2394.5	2421.2
1.5°	2329.8	2316.1	2325.8	2351.6	2380.0	2418.9
2°	2295.7	2281.4	2292.4	2325.0	2363.7	2416.0
2.5°	2261.8	2243.4	2258.5	2297.8	2346.0	2412.1
3°	2225.3	2204.9	2221.0	2268.6	2327.0	2405.1
3.5°	2190.2	2165.0	2183.6	2239.4	2308.0	2397.4
4°	2153.0	2123.0	2144.6	2207.0	2286.8	2386.7
4.5°	2112.5	2080.5	2107.8	2174.8	2264.5	2375.6
5°	2071.3	2037.9	2069.7	2141.0	2239.1	2362.6
5.5°	2028.6	1992.1	2028.8	2107.8	2213.1	2349.0
6°	1984.8	1946.7	1985.1	2072.3	2185.8	2333.7
6.5°	1939.8	1899.7	1942.0	2035.6	2157.4	2317.3
7°	1892.4	1849.9	1896.1	1998.0	2129.0	2298.9
7.5°	1844.6	1799.1	1848.7	1957.3	2099.2	2279.1
8°	1795.5	1746.7	1799.8	1916.3	2068.7	2256.2
8.5°	1745.5	1690.5	1749.2	1873.8	2036.8	2232.2
9°	1690.7	1633.2	1695.3	1829.4	2002.4	2207.8
9.5°	1637.2	1574.9	1640.7	1783.4	1967.9	2183.9
10°	1579.0	1512.9	1584.1	1734.5	1931.7	2156.2
10.5°	1521.6	1451.6	1525.9	1685.2	1893.7	2129.9
11°	1459.7	1388.5	1465.1	1634.1	1853.8	2101.3
11.5°	1398.4	1324.2	1401.2	1580.3	1813.5	2072.8
12°	1336.2	1261.1	1339.5	1527.0	1770.4	2040.6
12.5°	1273.3	1198.9	1277.8	1471.2	1724.4	2007.4
13°	1209.6	1139.8	1216.8	1413.6	1681.0	1974.1
13.5°	1150.4	1081.3	1155.5	1353.1	1633.2	1940.2
14°	1092.0	1025.3	1097.6	1294.5	1584.9	1903.8
14.5°	1036.6	969.5	1040.8	1234.7	1534.6	1865.8
15°	980.5	914.6	984.4	1176.8	1483.3	1826.3
15.5°	927.7	860.0	929.0	1118.7	1428.7	1786.0
16°	875.7	807.8	876.1	1065.0	1375.4	1744.1
16.5°	825.3	757.9	822.9	1010.3	1320.1	1701.6
17°	775.5	709.4	773.3	956.7	1263.8	1656.2
17.5°	727.0	661.5	724.3	904.2	1207.1	1609.9
18°	680.3	617.2	677.0	853.4	1153.0	1563.8
18.5°	635.2	573.1	632.1	803.7	1099.7	1515.2
19°	591.2	531.7	588.2	754.0	1046.3	1464.0
19.5°	549.1	493.0	546.4	706.4	995.2	1412.6
20°	508.4	455.5	506.5	661.3	943.4	1360.3
20.5°	470.6	420.1	467.8	616.9	894.5	1307.0
21°	434.1	385.5	430.2	574.6	846.2	1252.5
21.5°	399.0	352.9	394.9	532.8	797.0	1198.2
22°	366.2	322.9	361.9	493.6	748.6	1145.5



TEST NUMBER: P888022
 CATALOG NUMBER: RLS6159FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	335.3	295.1	331.3	455.9	704.6	1094.1
23°	305.6	269.4	303.1	420.1	661.0	1043.2
23.5°	279.0	246.3	276.8	386.2	618.0	994.1
24°	254.0	225.1	252.7	353.3	575.9	944.1
24.5°	231.3	206.0	230.9	322.8	536.2	895.1
25°	210.7	189.8	211.4	294.9	498.0	848.0
25.5°	192.7	174.8	194.6	269.5	461.6	801.6
26°	177.5	161.7	179.5	246.4	426.0	755.3
26.5°	163.5	149.9	165.6	225.6	392.6	711.6
27°	151.1	139.0	153.1	206.2	360.5	668.9
27.5°	140.1	129.6	141.9	189.3	330.4	627.6
28°	129.9	121.2	132.5	174.1	302.2	586.3
28.5°	121.1	113.5	124.3	160.7	277.1	548.5
29°	113.6	106.2	116.5	148.8	253.3	510.0
29.5°	106.7	100.2	109.1	138.2	231.2	474.3
30°	100.3	94.6	102.9	128.9	211.2	438.8
30.5°	94.6	89.5	97.2	120.6	193.6	406.3
31°	89.1	84.7	92.1	112.8	178.2	373.6
31.5°	84.3	80.6	87.4	105.5	164.7	344.3
32°	80.1	76.5	83.2	98.8	152.1	315.6
32.5°	76.3	72.9	79.3	92.9	140.9	289.5
33°	72.7	69.3	75.4	87.7	131.2	264.7
33.5°	69.4	66.2	71.9	83.1	123.0	242.7
34°	66.3	63.4	68.5	78.9	115.4	222.6
34.5°	63.8	61.4	65.4	75.0	107.7	204.0
35°	61.0	59.2	62.6	71.5	101.2	187.7
35.5°	58.7	57.2	59.8	68.1	95.5	173.3
36°	56.4	55.1	57.5	65.3	90.2	160.4
36.5°	54.1	53.3	55.3	62.9	85.5	149.0
37°	51.8	51.4	53.2	60.5	81.1	138.2
37.5°	49.8	49.7	51.5	58.4	77.1	129.4
38°	48.0	47.8	49.6	56.1	73.4	121.3
38.5°	46.1	46.1	48.1	54.0	69.9	113.7
39°	44.5	44.6	46.4	52.0	66.6	106.7
39.5°	43.1	42.9	44.5	50.1	64.1	100.7
40°	41.6	41.3	42.5	48.5	61.6	95.2
40.5°	40.8	39.8	40.9	46.8	59.3	90.1
41°	39.5	38.2	39.5	45.4	57.2	85.6
41.5°	38.4	36.6	38.2	44.3	55.2	81.5
42°	37.2	35.0	37.0	42.8	53.5	77.8
42.5°	36.1	33.6	35.5	41.8	51.7	74.4
43°	34.8	32.3	34.2	40.6	49.9	70.8
43.5°	33.6	30.9	32.8	39.4	48.1	67.6
44°	32.4	29.9	31.7	38.2	46.4	64.7
44.5°	31.1	28.8	30.6	36.9	44.9	62.1



TEST NUMBER: P888022
 CATALOG NUMBER: RLS6159FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	29.7	27.8	29.5	35.5	43.4	59.8
45.5°	28.7	26.9	28.3	34.1	41.7	57.4
46°	27.2	26.0	27.0	32.8	40.3	55.2
46.5°	26.3	25.0	25.6	31.7	39.0	53.4
47°	25.0	23.8	24.2	30.6	37.6	51.4
47.5°	24.0	22.5	22.8	29.6	36.6	49.6
48°	23.0	20.9	21.4	28.6	35.4	47.9
48.5°	21.9	19.0	20.0	27.6	34.1	46.2
49°	20.5	17.4	18.6	26.5	32.9	44.6
49.5°	18.8	15.5	16.9	25.2	31.7	43.0
50°	16.2	14.2	15.3	23.1	30.2	41.5
50.5°	14.2	13.2	13.9	20.5	28.9	39.9
51°	12.8	12.6	13.1	18.4	27.2	38.6
51.5°	12.1	11.8	12.4	16.1	25.8	36.9
52°	11.7	11.2	11.6	14.9	24.0	35.5
52.5°	10.7	10.4	10.9	13.9	22.1	34.1
53°	10.1	9.6	10.2	13.2	20.3	32.5
53.5°	9.4	8.9	9.4	12.6	18.2	31.0
54°	9.0	8.3	8.8	11.9	16.6	29.3
54.5°	8.0	7.7	8.2	11.1	15.2	27.2
55°	7.4	7.3	7.7	10.3	14.3	25.1
55.5°	6.8	6.6	7.2	9.6	13.4	22.4
56°	6.5	6.0	6.5	9.0	12.6	20.0
56.5°	5.6	5.5	6.1	8.3	12.1	18.3
57°	5.2	5.0	5.5	7.7	11.2	17.1
57.5°	4.6	4.4	5.0	7.1	10.6	15.9
58°	4.6	4.0	4.4	6.5	10.1	14.9
58.5°	3.5	3.6	4.0	5.9	9.3	14.0
59°	3.2	3.1	3.5	5.4	8.6	13.1
59.5°	2.6	2.6	3.2	4.9	8.1	12.3
60°	2.4	2.6	2.8	4.3	7.4	11.6
60.5°	2.3	2.3	2.5	3.8	6.8	10.7
61°	2.2	1.9	2.3	3.4	6.1	10.0
61.5°	1.3	1.7	2.0	3.1	5.5	9.3
62°	0.9	1.5	1.8	2.8	5.0	8.7
62.5°	0.8	1.4	1.6	2.5	4.3	8.0
63°	0.6	1.3	1.5	2.2	3.7	7.4
63.5°	0.5	1.1	1.3	1.9	3.3	6.8
64°	0.3	0.9	1.2	1.8	3.0	6.1
64.5°	0.2	0.9	1.1	1.5	2.7	5.5
65°	0.0	0.8	0.9	1.4	2.4	4.9
65.5°	0.0	0.5	0.8	1.4	2.3	4.4
66°	0.0	0.5	0.8	1.2	1.9	3.9
66.5°	0.0	0.4	0.5	0.9	1.7	3.3
67°	0.0	0.4	0.5	0.9	1.4	3.0



TEST NUMBER: P888022
 CATALOG NUMBER: RLS6159FS1EMBDNR-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.0	0.3	0.4	0.8	1.4	2.6
68°	0.0	0.2	0.4	0.6	1.3	2.5
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	1.8
69.5°	0.0	0.2	0.2	0.4	0.8	1.7
70°	0.0	0.2	0.2	0.3	0.7	1.5
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: P888022
 CATALOG NUMBER: RLS6159FS1EMBDMR-3000K

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: P888022
 CATALOG NUMBER: RLS6159FS1EMBDMR-3000K

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: P888022
 CATALOG NUMBER: RLS6159FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	1.1	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°	1.4	0.1	0.1	0.0	0.0	0.0
137.5°	1.4	0.3	0.0	0.0	0.0	0.0
138°	1.5	0.5	0.2	0.0	0.0	0.0
138.5°	1.5	0.6	0.4	0.0	0.0	0.0
139°	1.6	0.7	0.7	0.0	0.0	0.0
139.5°	1.8	0.7	0.8	0.0	0.0	0.0
140°	1.8	0.8	0.8	0.0	0.0	0.0
140.5°	1.9	0.8	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°	2.4	1.1	0.9	0.6	0.1	0.0
143.5°	2.4	1.5	1.0	0.7	0.1	0.0
144°	2.7	1.9	1.1	0.7	0.1	0.0
144.5°	2.7	2.4	1.5	0.8	0.2	0.0
145°	2.8	2.5	2.2	0.8	0.2	0.0
145.5°	3.0	2.5	2.4	0.8	0.5	0.0
146°	3.0	2.5	2.4	0.9	0.5	0.0
146.5°	3.1	2.4	2.4	0.9	0.6	0.0
147°	3.2	2.4	2.4	1.1	0.6	0.0
147.5°	3.3	2.4	2.4	1.4	0.7	0.0
148°	3.3	2.4	2.4	1.7	0.7	0.0
148.5°	3.5	2.4	2.4	1.8	0.8	0.2
149°	3.6	2.4	2.4	1.9	0.8	0.4
149.5°	3.7	2.4	2.4	2.0	1.0	0.6
150°	3.8	3.1	2.4	2.1	1.0	0.6
150.5°	3.9	3.2	2.4	2.2	1.1	0.7
151°	4.0	3.2	2.7	2.3	1.5	0.7
151.5°	4.1	3.3	3.0	2.3	2.2	0.8
152°	4.1	3.3	3.3	2.4	2.3	0.8
152.5°	4.3	3.4	3.3	2.4	2.3	0.8
153°	4.3	3.4	3.3	2.4	2.3	0.8
153.5°	4.3	3.4	3.3	2.4	2.4	0.9
154°	4.6	3.5	3.4	3.0	2.4	1.1
154.5°	4.6	3.5	3.4	3.3	2.5	1.2
155°	4.9	3.6	3.4	3.4	2.5	1.7
155.5°	4.9	3.6	3.4	3.4	2.6	2.3
156°	4.9	4.0	3.4	3.5	2.6	2.4
156.5°	4.9	4.7	3.6	3.5	2.7	2.4
157°	5.1	4.7	3.9	3.5	2.7	2.4



TEST NUMBER: P888022
 CATALOG NUMBER: RLS6159FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	5.2	4.7	4.7	3.5	2.8	2.4
158°	5.2	4.7	4.8	3.9	2.9	2.4
158.5°	5.4	4.8	4.9	4.0	3.0	2.4
159°	5.5	4.8	4.9	4.4	3.1	2.4
159.5°	5.5	4.8	5.0	4.5	3.2	2.4
160°	5.6	4.8	5.1	4.6	3.3	2.4
160.5°	5.6	4.8	5.1	4.7	3.4	2.6
161°	5.6	4.9	5.2	4.7	3.5	3.1
161.5°	5.7	4.9	5.3	4.8	4.1	3.4
162°	5.7	5.0	5.4	4.7	4.2	3.4
162.5°	5.7	5.0	5.4	4.8	4.3	3.3
163°	5.7	5.1	5.5	4.8	4.3	3.3
163.5°	5.7	5.6	5.6	4.9	4.4	3.5
164°	5.7	5.7	5.7	5.2	4.5	3.6
164.5°	5.7	5.8	5.7	5.6	4.6	3.8
165°	5.7	5.8	5.8	5.6	4.6	3.9
165.5°	5.7	5.7	5.8	5.7	4.7	4.1
166°	5.7	5.7	5.8	5.7	4.8	4.2
166.5°	5.7	5.8	5.9	5.7	4.7	4.7
167°	5.7	5.8	5.9	5.7	4.8	4.8
167.5°	5.7	5.9	6.0	5.7	5.0	4.8
168°	5.7	5.9	5.9	5.7	5.2	4.8
168.5°	5.7	5.8	6.0	5.8	5.3	4.8
169°	5.7	5.8	6.1	5.8	5.6	4.8
169.5°	5.7	5.9	6.0	5.8	5.7	4.8
170°	5.7	5.9	6.2	5.8	5.7	4.8
170.5°	5.7	5.9	6.2	5.9	5.7	4.8
171°	5.7	5.9	6.3	5.9	5.7	4.8
171.5°	5.7	5.9	6.4	5.9	5.7	4.8
172°	5.7	5.9	6.6	5.9	5.7	4.8
172.5°	5.7	5.9	6.7	5.9	5.7	4.8
173°	5.7	5.9	6.8	5.9	5.7	4.8
173.5°	5.7	5.9	6.9	5.9	5.7	4.8
174°	5.7	5.9	6.8	5.9	5.7	4.8
174.5°	5.7	5.9	6.7	5.9	5.7	4.8
175°	5.7	5.9	6.7	6.0	5.7	4.8
175.5°	5.7	6.0	6.6	6.0	5.7	4.8
176°	5.6	6.0	6.5	6.0	5.7	4.8
176.5°	5.4	6.0	6.4	6.0	5.7	4.8
177°	5.0	6.0	6.4	6.0	5.7	4.8
177.5°	4.8	6.0	6.2	6.0	5.7	4.8
178°	4.8	6.0	6.2	6.0	5.7	4.8
178.5°	4.9	6.0	6.2	6.0	5.7	4.8
179°	4.8	6.0	6.1	5.9	5.7	4.8
179.5°	4.8	6.0	5.8	5.9	5.7	4.8



TEST NUMBER: P888022
CATALOG NUMBER: RLS6159FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	4.8	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)