

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: P888024

Luminaire Tested: RLS6159FS1EMBDMR-4000K

Issue Date: 10/10/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P888024  
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-4000K  
Description:  
Light Source: -  
Ballast/Driver: -

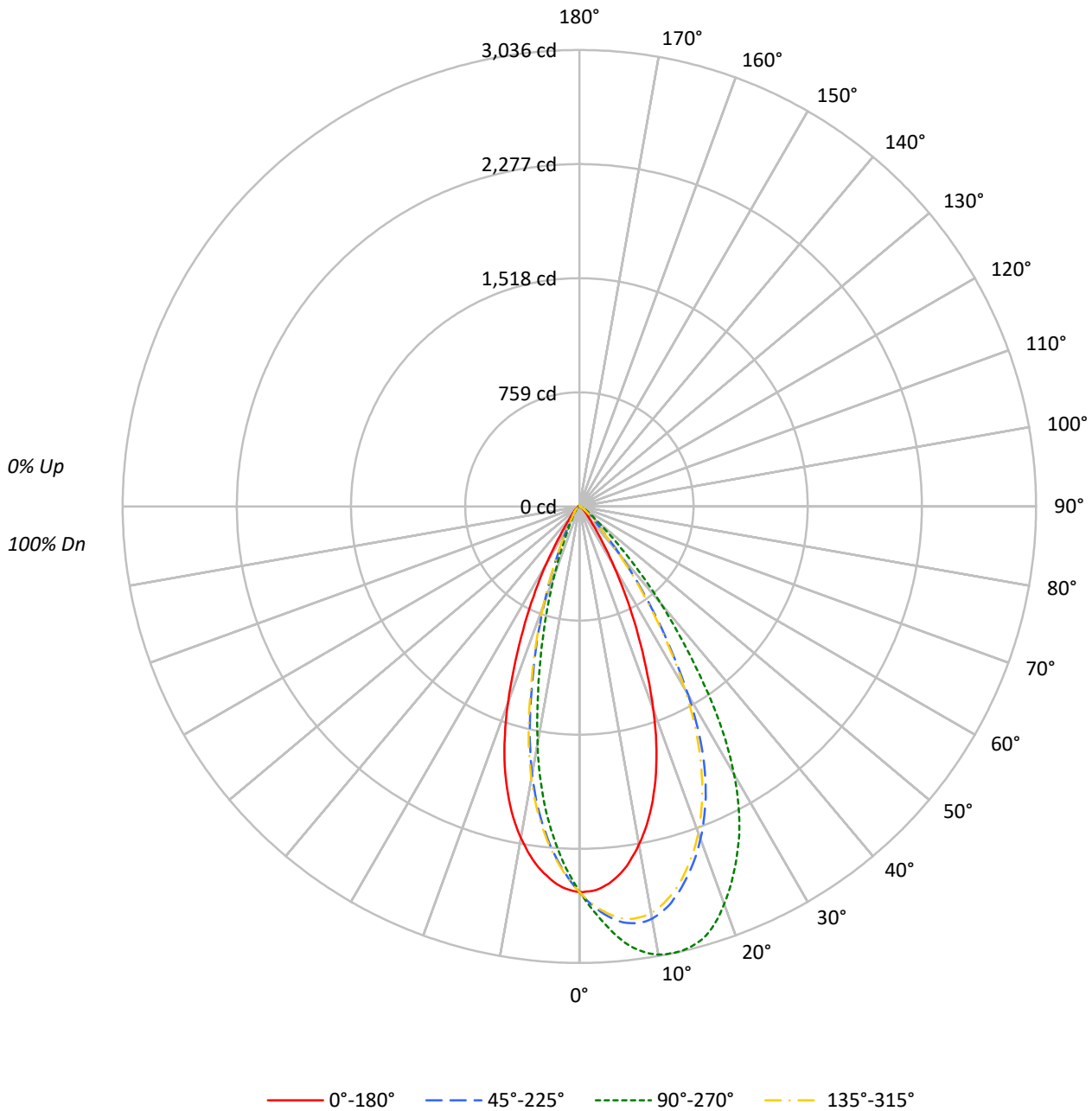
**Summary**

Lumens per Lamp: 1656.4 (1 lamp)  
Luminaire Lumens: 1720.0 lumens  
Efficiency: 103.8%  
Efficacy: 88.2 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): 19.5  
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: P888024  
CATALOG NUMBER: RLS6159FS1EMBDMR-4000K

### 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	50	30	10	0	
RCR																						
0	124	124	124	124	121	121	121	121	115	115	115	110	110	110	106	106	106	104				
1	118	115	113	110	115	113	111	109	109	107	105	105	103	102	101	100	99	97				
2	112	107	103	100	110	106	102	99	102	99	97	99	97	95	96	94	93	91				
3	107	100	95	91	105	99	94	91	96	92	89	94	91	88	91	89	86	85				
4	102	94	89	84	100	93	88	84	91	86	83	89	85	82	87	84	81	79				
5	97	88	83	78	95	88	82	78	86	81	77	84	80	77	82	79	76	74				
6	92	83	77	73	91	83	77	73	81	76	72	80	75	72	78	74	71	70				
7	88	79	73	68	87	78	72	68	77	72	68	75	71	68	74	70	67	66				
8	84	74	69	64	83	74	68	64	73	68	64	72	67	64	71	67	63	62				
9	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59				
10	77	67	61	57	76	67	61	57	66	61	57	65	60	57	64	60	57	56				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	78277	78277	78277	78277
5°	76639	87932	75603	66108
10°	70754	93841	69356	49642
15°	61100	95119	59608	30599
20°	46779	91458	45031	15667
25°	30237	84118	28761	6768
30°	16372	72569	15402	3529
35°	7406	53942	6683	2333
40°	4017	33526	3523	1742
45°	2733	17163	2470	1269
50°	2085	7899	1852	717
55°	1416	4572	1373	410
60°	745	3248	727	171
65°	376	1734	347	58
70°	143	866	62	18
75°	47	354	0	0
80°	0	0	0	0
85°	0	0	0	35

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 17163 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	232.3	13.5	14.0
10°-20°	533.9	31.0	32.2
20°-30°	512.1	29.8	30.9
30°-40°	296.4	17.2	17.9
40°-50°	99.8	5.8	6.0
50°-60°	31.8	1.8	1.9
60°-70°	9.0	0.5	0.5
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°	1.2	0.1	0.1
170°-180°	0.5	0.0	0.0
0°-30°	1278.3	74.3	77.2
0°-40°	1574.7	91.6	95.1
0°-60°	1706.3	99.2	103.0
0°-90°	1716.4	99.8	103.6
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°	1720.0	100.0	103.8

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2564	2564	2564	2564	2564	
5°	2501	2869	2467	2157	2501	232
15°	1933	3009	1886	968	1933	528
25°	898	2497	854	201	898	410
35°	199	1447	179	63	199	139
45°	63	398	57	29	63	51
55°	27	86	26	8	27	24
65°	5	24	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	3	5	6	4	1
175°	5	6	6	6	5	0
180°	5	5	5	5	5	



TEST NUMBER: P888024  
 CATALOG NUMBER: RLS6159FS1EMBDNR-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2563.9	2563.9	2563.9	2563.9	2563.9	2563.9	2563.9	2563.9	2563.9	2563.9	2563.9
0.5°	2565.6	2582.7	2591.5	2598.7	2593.3	2592.0	2587.9	2573.5	2561.5	2551.9	2539.5
1°	2562.8	2595.2	2616.4	2630.9	2628.1	2621.0	2609.0	2583.4	2556.5	2533.0	2512.5
1.5°	2560.3	2606.6	2638.1	2660.9	2660.0	2651.1	2630.5	2591.3	2550.7	2514.0	2484.1
2°	2557.3	2614.8	2659.7	2688.4	2690.7	2679.7	2648.7	2598.5	2544.7	2492.8	2455.2
2.5°	2553.1	2624.5	2679.4	2717.1	2721.3	2707.4	2668.3	2604.1	2536.0	2472.1	2423.5
3°	2545.7	2630.8	2700.1	2744.9	2752.7	2731.5	2684.2	2606.3	2525.3	2449.9	2392.7
3.5°	2537.5	2636.6	2717.2	2772.4	2782.5	2757.5	2698.2	2608.4	2514.0	2425.1	2359.8
4°	2526.2	2639.8	2733.6	2798.8	2812.3	2782.0	2712.8	2607.9	2500.0	2399.6	2325.4
4.5°	2514.5	2641.4	2747.5	2824.7	2840.9	2805.9	2726.2	2607.1	2484.6	2373.4	2289.9
5°	2500.7	2641.0	2760.7	2848.9	2869.2	2828.7	2738.7	2603.8	2466.9	2346.5	2254.9
5.5°	2486.3	2639.2	2771.6	2870.0	2893.9	2850.0	2748.8	2601.1	2450.5	2318.1	2215.6
6°	2470.1	2635.2	2782.0	2888.7	2918.6	2868.8	2754.7	2596.9	2431.8	2288.4	2175.6
6.5°	2452.8	2630.5	2787.6	2906.5	2939.0	2887.1	2761.2	2588.8	2413.1	2258.4	2135.3
7°	2433.3	2623.9	2792.8	2922.3	2958.2	2902.7	2763.5	2579.8	2392.9	2227.2	2095.2
7.5°	2412.3	2615.4	2796.0	2937.3	2974.2	2915.1	2765.0	2568.5	2369.8	2194.8	2051.4
8°	2388.1	2604.3	2798.5	2949.4	2988.4	2925.9	2764.0	2555.3	2344.5	2160.7	2005.4
8.5°	2362.7	2591.2	2797.9	2957.5	2999.8	2933.0	2761.6	2541.1	2320.6	2126.9	1959.3
9°	2336.9	2575.0	2795.7	2964.2	3011.3	2938.6	2758.8	2525.7	2293.1	2087.8	1909.5
9.5°	2311.6	2558.6	2790.5	2970.5	3019.3	2943.7	2752.2	2507.5	2265.8	2049.5	1860.4
10°	2282.3	2540.9	2783.6	2974.2	3027.0	2946.5	2744.3	2489.5	2237.2	2009.2	1808.0
10.5°	2254.4	2521.9	2774.6	2974.5	3030.8	2947.0	2736.3	2469.7	2209.4	1969.4	1755.8
11°	2224.2	2500.1	2764.1	2973.9	3033.3	2944.8	2723.1	2447.7	2178.4	1925.7	1698.5
11.5°	2193.9	2477.3	2751.2	2970.8	3034.3	2941.8	2712.2	2425.0	2146.7	1881.1	1640.6
12°	2159.9	2453.5	2739.0	2967.8	3035.9	2937.6	2698.2	2402.5	2112.6	1835.4	1582.6
12.5°	2124.8	2429.7	2723.8	2962.5	3034.2	2933.1	2681.8	2376.7	2077.5	1788.4	1522.4
13°	2089.5	2405.1	2707.4	2957.7	3032.5	2926.6	2664.8	2351.3	2041.7	1737.7	1459.1
13.5°	2053.6	2378.5	2686.3	2948.5	3028.8	2918.5	2648.9	2325.7	2005.7	1686.2	1397.5
14°	2015.1	2349.8	2666.3	2941.6	3024.4	2905.3	2629.4	2298.7	1967.0	1632.0	1333.4
14.5°	1974.8	2320.9	2645.6	2928.0	3016.8	2894.0	2609.2	2268.6	1927.2	1577.3	1270.5
15°	1933.1	2292.5	2624.4	2914.2	3009.4	2882.6	2586.5	2236.9	1885.9	1520.9	1208.5
15.5°	1890.4	2262.1	2599.8	2896.5	2999.1	2866.0	2563.4	2206.1	1842.7	1463.6	1150.3
16°	1846.1	2231.1	2576.8	2880.3	2988.1	2848.3	2538.4	2174.9	1797.4	1404.3	1093.3
16.5°	1801.1	2198.8	2553.4	2862.2	2973.4	2828.9	2513.0	2141.4	1752.4	1345.7	1038.0
17°	1753.0	2164.2	2527.8	2839.9	2957.1	2807.3	2487.4	2107.1	1704.4	1286.3	984.5
17.5°	1704.0	2129.1	2499.5	2816.1	2937.7	2785.0	2461.4	2072.1	1653.9	1228.3	931.7
18°	1655.2	2092.8	2473.1	2792.7	2916.8	2762.1	2433.8	2035.1	1601.8	1170.3	878.3
18.5°	1603.8	2057.0	2446.0	2766.2	2892.7	2738.7	2406.0	1996.4	1549.4	1115.1	827.1
19°	1549.6	2018.7	2416.3	2739.9	2868.4	2715.6	2376.4	1956.9	1496.3	1061.9	776.5
19.5°	1495.2	1977.6	2385.1	2711.9	2841.7	2689.6	2344.6	1917.1	1441.7	1008.5	726.7
20°	1439.8	1935.9	2354.7	2685.0	2815.0	2662.0	2310.2	1875.1	1386.0	957.3	679.3
20.5°	1383.5	1893.4	2323.6	2658.0	2786.6	2634.1	2275.7	1831.1	1330.1	905.6	633.1
21°	1325.7	1847.4	2290.0	2631.0	2758.1	2603.5	2240.1	1787.5	1273.7	856.5	589.1
21.5°	1268.2	1802.5	2254.0	2601.1	2728.5	2571.5	2204.8	1739.1	1216.8	808.1	547.7
22°	1212.4	1754.4	2218.2	2569.5	2698.6	2539.5	2167.7	1690.9	1162.3	760.8	507.3



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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°	1158.0	1705.6	2182.8	2535.3	2666.6	2507.3	2129.0	1641.5	1108.6	715.0	469.1
23°	1104.2	1655.2	2146.7	2502.8	2634.3	2474.5	2089.4	1592.5	1056.0	669.8	432.1
23.5°	1052.2	1602.0	2107.6	2468.2	2600.7	2439.7	2049.1	1539.0	1003.3	625.9	397.3
24°	999.3	1546.2	2065.4	2433.3	2567.1	2402.4	2007.4	1486.8	952.8	585.1	365.4
24.5°	947.4	1490.4	2023.2	2396.8	2532.0	2363.3	1963.8	1430.5	902.6	543.7	333.1
25°	897.6	1432.8	1979.8	2359.8	2497.1	2322.1	1919.8	1377.6	853.8	504.1	303.7
25.5°	848.5	1374.7	1934.4	2321.2	2460.9	2283.8	1874.3	1319.3	806.1	466.3	276.2
26°	799.5	1316.4	1886.2	2280.8	2424.6	2244.4	1827.2	1265.3	760.7	430.8	252.7
26.5°	753.2	1258.6	1837.1	2240.4	2383.4	2202.4	1777.8	1208.4	714.1	394.6	228.7
27°	708.0	1203.4	1787.3	2199.3	2342.3	2159.8	1727.4	1153.5	670.7	361.7	208.9
27.5°	664.3	1148.3	1735.1	2155.1	2299.2	2114.3	1676.8	1099.9	629.3	331.0	191.1
28°	620.6	1094.6	1679.0	2107.3	2254.2	2066.6	1624.0	1046.6	588.6	302.4	175.2
28.5°	580.5	1041.6	1624.9	2059.9	2207.7	2018.1	1570.4	993.0	548.1	274.7	160.7
29°	539.9	988.6	1566.2	2009.7	2162.7	1968.9	1516.6	942.1	510.3	250.4	148.9
29.5°	502.0	937.9	1507.3	1957.1	2111.9	1917.0	1460.0	891.5	473.0	227.3	137.7
30°	464.4	886.8	1444.0	1902.6	2058.5	1864.1	1401.5	843.2	436.9	207.0	128.0
30.5°	430.0	838.8	1383.8	1847.2	2003.6	1808.3	1343.2	793.3	402.1	188.7	119.7
31°	395.5	788.5	1321.1	1790.4	1949.4	1752.1	1283.8	746.4	369.7	172.9	112.3
31.5°	364.4	743.3	1261.4	1732.2	1892.8	1694.3	1224.9	700.4	338.4	159.3	106.0
32°	334.0	698.2	1201.5	1670.5	1834.5	1635.5	1167.6	656.1	309.9	147.4	100.3
32.5°	306.5	655.6	1144.6	1606.8	1774.8	1575.0	1111.4	612.6	282.8	136.3	95.0
33°	280.2	612.1	1087.5	1541.5	1712.6	1511.8	1054.3	571.1	258.2	126.6	90.3
33.5°	256.9	573.2	1033.7	1476.4	1648.2	1447.5	999.8	530.4	234.9	118.4	86.2
34°	235.6	533.7	979.0	1408.2	1584.3	1383.6	944.5	492.6	214.6	111.0	81.9
34.5°	215.9	494.9	924.1	1339.1	1515.5	1319.4	891.4	456.2	195.6	104.4	77.9
35°	198.7	456.3	870.3	1274.3	1447.3	1255.4	839.3	420.6	179.3	98.3	74.1
35.5°	183.5	423.1	820.1	1211.2	1378.9	1193.1	787.0	386.1	164.3	93.2	70.5
36°	169.8	390.0	770.5	1150.9	1313.5	1134.9	737.0	354.8	151.2	88.5	67.3
36.5°	157.7	358.1	720.9	1092.1	1248.9	1075.7	688.8	324.5	139.6	84.3	64.3
37°	146.3	327.4	674.4	1033.7	1186.8	1018.5	642.1	296.6	129.3	80.2	61.9
37.5°	137.0	300.8	629.4	977.2	1127.1	962.3	598.2	270.3	120.8	76.4	59.6
38°	128.4	274.8	585.9	920.7	1067.2	906.9	554.9	246.3	113.0	72.9	57.4
38.5°	120.3	250.9	543.3	865.7	1008.4	851.8	513.8	224.0	105.9	69.1	55.3
39°	113.0	229.7	504.2	813.0	951.4	799.2	474.2	204.7	99.5	65.9	53.3
39.5°	106.6	209.9	464.6	761.0	895.7	747.9	436.5	187.8	93.6	62.9	51.4
40°	100.8	193.0	427.4	710.6	841.2	697.9	400.0	172.3	88.4	60.3	49.6
40.5°	95.4	177.3	392.2	661.8	789.3	648.9	365.2	158.4	84.0	57.7	47.8
41°	90.6	163.8	359.9	615.6	738.0	603.2	333.0	146.6	79.8	55.7	45.9
41.5°	86.3	151.6	328.7	570.5	689.1	559.8	303.5	135.8	75.9	53.7	44.1
42°	82.3	141.0	299.4	528.3	642.9	517.9	276.4	126.5	72.5	51.8	42.5
42.5°	78.8	131.7	273.2	488.4	599.4	477.2	252.4	118.5	69.3	50.0	40.4
43°	74.9	123.1	249.1	448.9	554.4	438.7	230.6	110.8	66.7	48.2	38.8
43.5°	71.5	115.3	227.2	411.0	512.2	401.7	210.6	104.0	64.2	46.6	37.3
44°	68.5	108.0	208.4	377.0	471.9	367.3	193.1	97.8	61.7	44.7	35.8
44.5°	65.7	101.8	191.9	344.1	434.9	335.4	177.3	92.2	59.5	43.1	34.2



TEST NUMBER: P888024  
 CATALOG NUMBER: RLS6159FS1EMBDMR-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	63.3	96.1	176.8	314.4	397.5	305.5	163.1	87.1	57.2	41.3	32.9
45.5°	60.7	91.1	163.4	286.0	363.3	277.8	150.6	82.6	55.0	40.0	31.7
46°	58.5	86.4	151.5	261.6	331.3	253.8	139.0	78.5	52.8	38.3	30.8
46.5°	56.5	82.1	141.3	238.3	303.3	232.3	129.1	74.8	50.5	37.0	30.2
47°	54.4	78.2	132.3	218.7	275.4	212.5	120.7	71.3	48.3	35.7	28.8
47.5°	52.5	74.4	124.2	201.1	251.7	194.9	112.8	68.3	46.5	34.4	27.6
48°	50.7	71.5	116.3	185.7	230.9	179.1	105.6	65.1	44.5	33.4	26.6
48.5°	48.9	68.6	109.2	171.7	212.1	164.6	99.1	62.0	42.9	32.8	25.6
49°	47.2	65.6	103.0	159.7	195.0	151.9	92.9	59.2	41.6	31.4	24.7
49.5°	45.5	63.1	97.3	148.4	179.8	140.3	87.2	56.8	40.3	30.3	23.2
50°	43.9	60.6	92.0	138.3	166.3	130.4	82.5	54.8	39.0	29.1	22.3
50.5°	42.3	57.9	87.1	128.9	154.4	121.8	78.0	52.8	37.7	27.8	20.6
51°	40.8	55.4	82.7	120.6	142.9	114.1	74.1	50.7	36.0	26.6	19.6
51.5°	39.0	52.9	78.5	112.4	133.1	107.2	70.5	48.5	34.8	25.2	17.7
52°	37.5	50.8	74.4	105.0	124.6	100.7	67.4	46.7	33.3	23.9	16.0
52.5°	36.1	48.8	70.4	98.6	116.5	94.7	64.4	45.0	32.4	22.6	14.6
53°	34.4	46.7	66.9	93.1	109.1	89.2	61.6	43.1	30.7	21.3	12.9
53.5°	32.8	45.0	64.2	88.0	102.2	84.4	59.1	41.4	29.5	19.9	12.5
54°	31.0	43.5	61.5	83.3	95.9	80.2	56.7	39.8	28.1	17.8	11.3
54.5°	28.8	41.6	58.9	78.8	90.5	76.2	54.5	38.3	27.0	16.2	10.8
55°	26.6	40.0	56.4	74.9	85.9	72.4	52.3	36.8	25.8	14.9	10.0
55.5°	23.7	38.6	54.1	71.1	81.5	69.0	50.0	35.4	24.1	13.7	9.9
56°	21.2	37.0	51.7	67.4	77.1	65.9	47.9	33.8	22.4	12.7	8.6
56.5°	19.4	35.5	49.7	64.2	73.1	63.2	45.8	32.4	20.2	12.4	8.0
57°	18.1	33.4	47.7	61.2	69.5	60.9	43.8	30.5	18.3	11.3	7.4
57.5°	16.8	30.9	45.1	58.3	66.2	58.5	41.9	29.0	16.9	10.8	7.3
58°	15.8	28.2	42.6	55.7	63.4	56.2	40.3	27.6	15.5	10.0	6.1
58.5°	14.8	25.5	40.0	53.1	60.8	53.7	38.7	25.8	14.5	9.9	5.7
59°	13.9	23.5	37.1	50.7	58.2	51.3	37.5	23.8	13.6	8.7	4.9
59.5°	13.1	22.1	34.5	48.3	55.6	48.9	36.0	21.4	12.5	8.2	4.9
60°	12.2	20.1	31.8	46.1	53.2	46.5	34.3	18.9	11.9	7.2	3.9
60.5°	11.4	18.6	28.9	43.9	50.9	43.7	31.8	17.5	10.8	6.5	3.3
61°	10.6	17.4	26.7	40.7	48.4	40.6	27.7	16.0	10.2	5.7	3.0
61.5°	9.8	16.3	24.7	37.1	45.6	37.5	25.1	15.0	9.9	5.1	2.5
62°	9.2	15.3	23.2	33.4	41.5	34.1	22.8	13.8	8.9	4.9	2.5
62.5°	8.5	14.0	21.6	29.7	37.2	30.3	21.1	13.0	8.3	4.4	2.5
63°	7.8	12.9	20.5	27.6	33.1	27.3	19.8	12.3	7.5	3.4	1.6
63.5°	7.2	11.9	19.0	25.9	29.8	25.4	18.3	11.2	7.2	3.3	1.0
64°	6.5	10.9	17.3	24.3	27.4	23.8	17.4	10.2	6.1	2.8	0.8
64.5°	5.8	10.1	15.7	23.0	25.7	22.2	16.0	9.7	5.7	2.3	0.7
65°	5.2	9.2	14.5	21.2	24.0	20.8	14.8	8.6	4.8	1.9	0.6
65.5°	4.6	8.6	13.3	19.3	22.6	19.5	13.5	8.1	4.9	1.4	0.5
66°	4.1	7.9	12.1	17.3	20.9	17.7	12.3	7.4	3.5	1.0	0.2
66.5°	3.5	7.3	11.0	15.8	19.0	16.2	11.1	7.0	3.2	0.8	0.0
67°	3.2	6.6	10.3	14.4	17.2	15.0	10.2	6.1	2.7	0.7	0.0





TEST NUMBER: P888024  
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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°	2.8	6.0	9.3	13.2	15.3	13.7	9.5	5.9	2.3	0.7	0.0
68°	2.6	5.4	8.5	12.1	13.9	12.5	8.4	5.0	1.8	0.5	0.0
68.5°	2.2	4.9	7.8	11.1	12.7	11.0	7.6	4.5	1.4	0.1	0.0
69°	1.9	4.2	7.1	10.4	11.3	9.9	7.4	3.5	1.0	0.0	0.0
69.5°	1.8	3.7	6.4	9.3	10.3	8.9	6.2	3.1	0.8	0.0	0.0
70°	1.6	3.3	5.8	8.4	9.7	8.5	5.9	2.6	0.7	0.0	0.0
70.5°	1.4	2.9	5.3	7.9	8.5	7.4	5.1	2.2	0.6	0.0	0.0
71°	1.3	2.7	4.8	6.9	7.5	6.8	4.7	1.8	0.3	0.0	0.0
71.5°	1.1	2.2	4.3	6.3	7.4	5.8	4.3	1.3	0.0	0.0	0.0
72°	1.0	2.0	3.8	5.7	5.9	5.2	3.3	0.9	0.0	0.0	0.0
72.5°	0.8	1.8	3.3	5.2	5.3	5.0	2.8	0.6	0.0	0.0	0.0
73°	0.7	1.5	2.8	4.6	4.8	4.7	2.3	0.6	0.0	0.0	0.0
73.5°	0.6	1.4	2.6	4.1	4.6	3.6	2.4	0.6	0.0	0.0	0.0
74°	0.6	1.2	2.2	3.6	3.5	3.4	1.3	0.5	0.0	0.0	0.0
74.5°	0.4	1.0	2.0	3.1	3.2	2.4	1.1	0.4	0.0	0.0	0.0
75°	0.4	0.9	1.7	2.9	3.0	2.4	0.9	0.3	0.0	0.0	0.0
75.5°	0.2	0.7	1.4	2.7	2.7	2.3	0.7	0.2	0.0	0.0	0.0
76°	0.3	0.6	1.3	2.5	2.4	1.1	0.6	0.2	0.0	0.0	0.0
76.5°	0.2	0.5	1.1	1.8	2.2	0.9	0.4	0.1	0.0	0.0	0.0
77°	0.1	0.4	1.0	1.5	1.0	0.7	0.0	0.1	0.0	0.0	0.0
77.5°	0.1	0.4	0.8	1.3	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	0.3	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	0.6	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: P888024  
 CATALOG NUMBER: RLS6159FS1EMBDMR-4000K

**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: P888024  
 CATALOG NUMBER: RLS6159FS1EMBDMR-4000K

**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	0.4
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	0.1	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	0.5	0.7
134°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.6
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: P888024  
 CATALOG NUMBER: RLS6159FS1EMBDMR-4000K

**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	0.6	1.0
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	0.8	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	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	1.4
140.5°	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.3	0.6	1.1	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	1.8
142°	0.0	0.0	0.0	0.0	0.3	0.2	0.2	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	0.8	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	0.3	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	0.9	1.4	2.1
144.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.6	1.0	1.5	2.2
145°	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.6	1.0	1.6	2.3
145.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.5	0.6	1.0	1.8	2.4
146°	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.6	1.1	1.8	2.5
146.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.6	0.8	1.1	1.9	2.7
147°	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.8	1.4	2.1	2.8
147.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.9	1.4	2.2	2.9
148°	0.0	0.0	0.0	0.0	0.5	0.6	0.7	0.9	1.5	2.3	3.0
148.5°	0.2	0.0	0.0	0.0	0.6	0.5	0.7	1.0	1.5	2.5	3.1
149°	0.5	0.0	0.0	0.0	0.6	0.7	0.8	1.0	1.6	2.6	3.2
149.5°	0.6	0.0	0.0	0.0	0.7	0.7	0.8	1.1	1.6	2.6	3.3
150°	0.7	0.0	0.0	0.0	0.8	0.6	0.8	1.1	1.8	2.6	3.3
150.5°	0.7	0.0	0.0	0.0	0.8	0.7	0.8	1.1	1.8	2.7	3.5
151°	0.8	0.0	0.0	0.0	0.7	0.9	1.0	1.3	1.9	2.7	3.6
151.5°	0.8	0.1	0.0	0.0	0.9	0.8	0.9	1.3	2.0	2.8	3.7
152°	0.8	0.1	0.0	0.0	0.9	1.0	1.0	1.2	2.1	2.9	3.8
152.5°	0.9	0.3	0.0	0.0	1.0	1.1	1.0	1.4	2.2	3.0	3.8
153°	0.9	0.6	0.0	0.0	1.0	1.1	1.1	1.4	2.2	3.2	4.1
153.5°	1.0	0.6	0.0	0.0	1.1	1.1	1.1	1.5	2.3	3.3	4.1
154°	1.2	0.7	0.1	0.0	1.2	1.1	1.2	1.6	2.4	3.4	4.3
154.5°	1.3	0.7	0.0	0.0	1.2	1.3	1.4	1.7	2.5	3.4	4.4
155°	1.8	0.8	0.0	0.0	1.3	1.3	1.4	1.8	2.6	3.5	4.4
155.5°	2.4	0.8	0.2	0.0	1.3	1.5	1.5	1.8	2.7	3.8	4.6
156°	2.6	0.9	0.2	0.0	1.4	1.5	1.6	1.9	2.8	3.8	4.7
156.5°	2.6	0.9	0.3	0.0	1.5	1.6	1.6	2.0	2.9	4.0	4.9
157°	2.6	1.0	0.4	0.0	1.5	1.6	1.7	2.2	3.0	4.0	5.1



TEST NUMBER: P888024  
 CATALOG NUMBER: RLS6159FS1EMBDMR-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	2.6	1.1	0.5	0.1	1.7	1.8	1.9	2.3	3.1	4.1	5.1
158°	2.6	1.2	0.6	0.1	1.8	1.9	1.8	2.5	3.3	4.2	5.3
158.5°	2.6	1.7	0.7	0.2	2.0	1.9	1.9	2.6	3.4	4.3	5.3
159°	2.6	2.3	0.7	0.4	2.1	2.0	2.2	2.6	3.4	4.5	5.4
159.5°	2.6	2.6	0.8	0.6	2.2	2.1	2.3	2.7	3.7	4.6	5.4
160°	2.6	2.6	0.9	0.7	2.4	2.3	2.4	2.9	3.7	4.7	5.6
160.5°	2.8	2.6	1.0	0.7	2.6	2.4	2.5	2.9	3.8	4.8	5.8
161°	3.3	2.6	1.0	0.8	2.7	2.5	2.6	3.0	3.9	5.0	5.8
161.5°	3.6	2.6	1.0	0.8	2.6	2.7	2.7	3.1	4.1	5.1	5.8
162°	3.6	2.6	1.2	0.8	2.7	2.8	2.7	3.3	4.2	5.1	6.0
162.5°	3.5	2.6	1.6	0.9	2.9	2.8	2.8	3.4	4.3	5.2	6.0
163°	3.5	2.7	2.4	0.9	3.0	2.8	2.9	3.4	4.3	5.4	6.1
163.5°	3.7	2.8	2.5	1.0	3.0	2.9	3.1	3.4	4.5	5.3	6.1
164°	3.8	2.9	2.5	0.9	3.2	3.1	3.1	3.6	4.6	5.4	6.2
164.5°	4.0	3.0	2.5	1.1	3.3	3.2	3.2	3.8	4.7	5.6	6.2
165°	4.2	3.1	2.6	1.1	3.4	3.3	3.5	3.9	4.9	5.7	6.1
165.5°	4.3	3.2	2.6	1.3	3.4	3.5	3.6	4.0	5.0	5.7	6.1
166°	4.5	3.2	2.7	1.6	3.6	3.6	3.6	4.1	5.1	5.8	6.0
166.5°	5.0	3.3	2.8	2.4	3.7	3.8	3.8	4.2	5.2	5.8	6.0
167°	5.1	3.4	2.8	2.6	3.8	3.9	3.9	4.3	5.3	6.0	6.0
167.5°	5.1	3.4	2.9	2.6	3.8	4.1	4.0	4.5	5.4	6.0	6.0
168°	5.1	3.5	3.0	2.6	4.0	4.1	4.2	4.6	5.5	6.2	6.0
168.5°	5.1	3.5	3.1	2.6	4.2	4.2	4.2	4.7	5.6	6.1	6.0
169°	5.1	3.6	3.1	2.6	4.3	4.3	4.4	4.8	5.7	6.1	6.0
169.5°	5.1	3.7	3.2	2.6	4.5	4.5	4.5	5.0	5.8	6.0	6.0
170°	5.1	3.8	3.4	2.6	4.7	4.6	4.7	5.1	5.8	6.0	6.0
170.5°	5.1	4.2	3.4	2.6	4.8	4.7	4.8	5.2	5.9	6.0	6.0
171°	5.1	4.2	3.4	2.6	5.1	4.9	5.0	5.4	6.1	5.9	6.0
171.5°	5.1	4.3	3.5	2.6	5.1	5.2	5.1	5.4	6.1	6.0	6.0
172°	5.1	4.3	3.5	2.6	5.4	5.4	5.3	5.5	6.1	6.0	6.0
172.5°	5.1	4.4	3.6	2.6	5.5	5.5	5.4	5.7	6.1	6.0	6.0
173°	5.1	4.4	3.6	2.6	5.6	5.8	5.5	5.9	6.1	6.0	6.0
173.5°	5.1	4.5	3.7	2.9	5.8	5.9	5.6	5.9	6.1	6.0	6.0
174°	5.1	4.6	3.7	3.2	5.9	5.9	5.7	6.0	6.0	6.0	6.0
174.5°	5.1	4.6	3.8	3.3	6.0	5.9	5.8	6.1	6.0	6.0	6.0
175°	5.1	4.7	4.1	3.3	6.1	6.0	5.8	6.1	6.0	6.0	6.0
175.5°	5.1	4.7	4.5	3.4	6.0	6.0	5.9	6.1	6.0	6.0	6.0
176°	5.1	4.8	4.6	3.4	6.0	6.1	5.9	6.1	6.0	6.0	6.0
176.5°	5.1	4.8	4.7	3.5	6.1	6.1	5.9	6.1	6.0	6.0	6.0
177°	5.1	4.9	4.8	3.5	6.1	6.1	6.0	6.1	6.0	6.0	6.0
177.5°	5.1	4.9	4.8	3.5	6.1	6.2	6.0	6.1	6.0	5.8	5.7
178°	5.1	5.0	4.9	3.6	6.1	6.2	6.1	6.1	6.0	5.9	5.3
178.5°	5.1	5.0	5.0	3.6	6.1	6.2	6.1	6.1	6.0	5.7	5.0
179°	5.1	5.0	5.0	3.6	6.1	6.3	6.1	6.1	6.0	5.3	5.0
179.5°	5.1	5.0	5.0	3.6	6.2	6.4	6.1	6.2	6.0	5.2	5.0



TEST NUMBER: P888024  
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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1



TEST NUMBER: P888024  
 CATALOG NUMBER: RLS6159FS1EMBDMR-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2563.9	2563.9	2563.9	2563.9	2563.9	2563.9
0.5°	2533.5	2522.9	2528.5	2541.6	2548.8	2565.6
1°	2499.7	2488.5	2495.5	2515.1	2534.5	2562.8
1.5°	2466.0	2451.5	2461.7	2489.0	2519.2	2560.3
2°	2430.0	2414.8	2426.4	2460.9	2501.9	2557.3
2.5°	2394.0	2374.5	2390.5	2432.1	2483.1	2553.1
3°	2355.4	2333.8	2350.8	2401.2	2463.1	2545.7
3.5°	2318.2	2291.5	2311.3	2370.4	2442.9	2537.5
4°	2278.9	2247.1	2269.9	2336.0	2420.5	2526.2
4.5°	2236.0	2202.1	2231.0	2301.9	2396.8	2514.5
5°	2192.4	2157.1	2190.7	2266.2	2370.0	2500.7
5.5°	2147.2	2108.6	2147.4	2231.0	2342.5	2486.3
6°	2100.8	2060.5	2101.1	2193.4	2313.6	2470.1
6.5°	2053.2	2010.8	2055.5	2154.6	2283.5	2452.8
7°	2003.1	1958.0	2006.9	2114.8	2253.4	2433.3
7.5°	1952.4	1904.3	1956.8	2071.7	2222.0	2412.3
8°	1900.5	1848.8	1905.1	2028.3	2189.7	2388.1
8.5°	1847.5	1789.4	1851.5	1983.3	2155.8	2362.7
9°	1789.6	1728.7	1794.4	1936.3	2119.5	2336.9
9.5°	1732.9	1666.9	1736.6	1887.7	2082.9	2311.6
10°	1671.3	1601.3	1676.7	1835.9	2044.6	2282.3
10.5°	1610.6	1536.4	1615.1	1783.8	2004.4	2254.4
11°	1545.0	1469.6	1550.7	1729.7	1962.2	2224.2
11.5°	1480.1	1401.6	1483.1	1672.7	1919.5	2193.9
12°	1414.3	1334.9	1417.8	1616.3	1873.9	2159.9
12.5°	1347.7	1269.0	1352.5	1557.2	1825.2	2124.8
13°	1280.3	1206.4	1287.9	1496.2	1779.3	2089.5
13.5°	1217.6	1144.5	1223.0	1432.2	1728.6	2053.6
14°	1155.8	1085.2	1161.8	1370.2	1677.5	2015.1
14.5°	1097.2	1026.1	1101.6	1306.9	1624.3	1974.8
15°	1037.8	968.1	1041.9	1245.6	1570.1	1933.1
15.5°	981.9	910.3	983.3	1184.1	1512.2	1890.4
16°	926.9	855.1	927.3	1127.3	1455.8	1846.1
16.5°	873.6	802.2	871.0	1069.3	1397.3	1801.1
17°	820.8	750.9	818.5	1012.6	1337.7	1753.0
17.5°	769.5	700.2	766.7	957.1	1277.6	1704.0
18°	720.1	653.3	716.6	903.3	1220.4	1655.2
18.5°	672.3	606.6	669.0	850.7	1163.9	1603.8
19°	625.8	562.8	622.6	798.1	1107.5	1549.6
19.5°	581.2	521.8	578.3	747.7	1053.4	1495.2
20°	538.1	482.2	536.1	700.0	998.6	1439.8
20.5°	498.1	444.7	495.2	652.9	946.8	1383.5
21°	459.4	408.1	455.3	608.1	895.6	1325.7
21.5°	422.3	373.6	418.0	564.0	843.6	1268.2
22°	387.6	341.8	383.1	522.4	792.3	1212.4



TEST NUMBER: P888024  
 CATALOG NUMBER: RLS6159FS1EMBDMR-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	354.9	312.4	350.7	482.5	745.8	1158.0
23°	323.5	285.2	320.8	444.6	699.7	1104.2
23.5°	295.3	260.7	293.0	408.8	654.1	1052.2
24°	268.9	238.3	267.5	374.0	609.6	999.3
24.5°	244.8	218.1	244.4	341.6	567.5	947.4
25°	223.0	200.9	223.8	312.1	527.1	897.6
25.5°	204.0	185.0	206.0	285.3	488.6	848.5
26°	187.9	171.1	190.0	260.8	450.9	799.5
26.5°	173.0	158.7	175.3	238.7	415.5	753.2
27°	159.9	147.1	162.1	218.3	381.6	708.0
27.5°	148.3	137.2	150.2	200.4	349.7	664.3
28°	137.5	128.3	140.2	184.2	319.9	620.6
28.5°	128.2	120.1	131.5	170.1	293.3	580.5
29°	120.3	112.5	123.3	157.5	268.1	539.9
29.5°	112.9	106.1	115.5	146.3	244.8	502.0
30°	106.2	100.1	108.9	136.4	223.5	464.4
30.5°	100.1	94.7	102.9	127.6	204.9	430.0
31°	94.3	89.7	97.5	119.4	188.6	395.5
31.5°	89.2	85.3	92.5	111.7	174.3	364.4
32°	84.7	81.0	88.0	104.6	161.0	334.0
32.5°	80.8	77.2	83.9	98.4	149.2	306.5
33°	76.9	73.4	79.8	92.8	138.8	280.2
33.5°	73.5	70.1	76.1	88.0	130.2	256.9
34°	70.2	67.2	72.5	83.6	122.2	235.6
34.5°	67.5	65.0	69.2	79.4	114.0	215.9
35°	64.6	62.6	66.3	75.7	107.1	198.7
35.5°	62.1	60.5	63.3	72.1	101.0	183.5
36°	59.7	58.3	60.9	69.2	95.5	169.8
36.5°	57.3	56.4	58.5	66.5	90.5	157.7
37°	54.9	54.4	56.3	64.0	85.8	146.3
37.5°	52.7	52.6	54.5	61.8	81.7	137.0
38°	50.9	50.6	52.5	59.4	77.7	128.4
38.5°	48.8	48.8	50.9	57.1	74.0	120.3
39°	47.1	47.2	49.2	55.1	70.5	113.0
39.5°	45.6	45.4	47.1	53.0	67.8	106.6
40°	44.0	43.7	45.0	51.3	65.2	100.8
40.5°	43.2	42.1	43.3	49.6	62.8	95.4
41°	41.8	40.4	41.8	48.1	60.5	90.6
41.5°	40.7	38.7	40.5	46.9	58.4	86.3
42°	39.4	37.0	39.1	45.3	56.6	82.3
42.5°	38.2	35.6	37.6	44.3	54.7	78.8
43°	36.9	34.2	36.1	43.0	52.8	74.9
43.5°	35.6	32.8	34.7	41.7	50.9	71.5
44°	34.3	31.7	33.6	40.4	49.2	68.5
44.5°	33.0	30.5	32.4	39.0	47.5	65.7





TEST NUMBER: P888024  
 CATALOG NUMBER: RLS6159FS1EMBDMR-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	31.4	29.4	31.3	37.6	45.9	63.3
45.5°	30.4	28.5	30.0	36.1	44.1	60.7
46°	28.8	27.5	28.6	34.7	42.6	58.5
46.5°	27.8	26.4	27.1	33.6	41.2	56.5
47°	26.5	25.2	25.6	32.4	39.8	54.4
47.5°	25.4	23.8	24.2	31.4	38.7	52.5
48°	24.3	22.1	22.6	30.3	37.4	50.7
48.5°	23.2	20.1	21.2	29.2	36.1	48.9
49°	21.7	18.4	19.7	28.0	34.8	47.2
49.5°	19.9	16.4	17.9	26.6	33.5	45.5
50°	17.2	15.1	16.2	24.5	32.0	43.9
50.5°	15.0	14.0	14.7	21.7	30.6	42.3
51°	13.5	13.3	13.8	19.5	28.8	40.8
51.5°	12.8	12.5	13.1	17.1	27.3	39.0
52°	12.4	11.8	12.3	15.7	25.4	37.5
52.5°	11.3	11.0	11.5	14.7	23.4	36.1
53°	10.7	10.2	10.8	14.0	21.4	34.4
53.5°	9.9	9.4	10.0	13.3	19.3	32.8
54°	9.5	8.7	9.3	12.6	17.5	31.0
54.5°	8.5	8.2	8.7	11.8	16.1	28.8
55°	7.8	7.7	8.1	10.9	15.1	26.6
55.5°	7.2	7.0	7.6	10.2	14.2	23.7
56°	6.9	6.4	6.9	9.5	13.4	21.2
56.5°	5.9	5.8	6.4	8.7	12.8	19.4
57°	5.6	5.3	5.8	8.2	11.9	18.1
57.5°	4.8	4.7	5.3	7.5	11.2	16.8
58°	4.8	4.2	4.7	6.9	10.7	15.8
58.5°	3.7	3.8	4.2	6.2	9.9	14.8
59°	3.4	3.3	3.7	5.7	9.1	13.9
59.5°	2.7	2.8	3.3	5.2	8.5	13.1
60°	2.5	2.8	2.9	4.5	7.8	12.2
60.5°	2.4	2.4	2.6	4.0	7.1	11.4
61°	2.3	2.0	2.4	3.6	6.5	10.6
61.5°	1.3	1.8	2.1	3.2	5.8	9.8
62°	1.0	1.6	2.0	2.9	5.2	9.2
62.5°	0.8	1.5	1.7	2.7	4.5	8.5
63°	0.7	1.4	1.6	2.4	3.9	7.8
63.5°	0.5	1.2	1.4	2.0	3.5	7.2
64°	0.3	1.0	1.2	1.9	3.2	6.5
64.5°	0.2	0.9	1.1	1.6	2.9	5.8
65°	0.0	0.8	1.0	1.5	2.6	5.2
65.5°	0.0	0.6	0.8	1.5	2.4	4.6
66°	0.0	0.5	0.8	1.2	2.0	4.1
66.5°	0.0	0.4	0.6	1.0	1.8	3.5
67°	0.0	0.4	0.6	1.0	1.5	3.2



TEST NUMBER: P888024  
 CATALOG NUMBER: RLS6159FS1EMBDNR-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.0	0.3	0.4	0.8	1.4	2.8
68°	0.0	0.2	0.4	0.6	1.4	2.6
68.5°	0.0	0.3	0.4	0.6	1.1	2.2
69°	0.0	0.2	0.3	0.5	1.0	1.9
69.5°	0.0	0.2	0.3	0.4	0.8	1.8
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	0.2	0.2	0.6	1.3
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	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	0.6
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	0.2
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: P888024  
 CATALOG NUMBER: RLS6159FS1EMBDMR-4000K

**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: P888024  
 CATALOG NUMBER: RLS6159FS1EMBDMR-4000K

**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°	0.5	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°	0.5	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°	1.0	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: P888024  
 CATALOG NUMBER: RLS6159FS1EMBDMR-4000K

**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°	1.5	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°	1.7	0.7	0.8	0.0	0.0	0.0
139.5°	1.9	0.8	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°	2.1	0.9	0.8	0.1	0.0	0.0
141.5°	2.2	1.0	0.9	0.2	0.0	0.0
142°	2.5	1.1	0.9	0.4	0.0	0.0
142.5°	2.5	1.1	1.0	0.6	0.0	0.0
143°	2.6	1.1	1.0	0.7	0.1	0.0
143.5°	2.6	1.5	1.1	0.7	0.1	0.0
144°	2.8	2.0	1.1	0.8	0.1	0.0
144.5°	2.8	2.5	1.6	0.8	0.2	0.0
145°	3.0	2.6	2.3	0.8	0.2	0.0
145.5°	3.1	2.6	2.6	0.9	0.5	0.0
146°	3.2	2.6	2.6	0.9	0.6	0.0
146.5°	3.3	2.6	2.6	1.0	0.6	0.0
147°	3.4	2.6	2.6	1.2	0.7	0.0
147.5°	3.5	2.6	2.6	1.5	0.7	0.0
148°	3.5	2.6	2.6	1.8	0.8	0.0
148.5°	3.7	2.5	2.5	1.9	0.8	0.2
149°	3.9	2.5	2.5	2.0	0.9	0.5
149.5°	3.9	2.5	2.5	2.1	1.0	0.6
150°	4.0	3.3	2.5	2.2	1.0	0.7
150.5°	4.1	3.4	2.5	2.3	1.1	0.7
151°	4.3	3.4	2.8	2.4	1.6	0.8
151.5°	4.3	3.4	3.2	2.4	2.3	0.8
152°	4.3	3.5	3.5	2.5	2.5	0.8
152.5°	4.5	3.5	3.5	2.5	2.5	0.9
153°	4.6	3.6	3.5	2.6	2.5	0.9
153.5°	4.6	3.6	3.5	2.6	2.5	1.0
154°	4.8	3.7	3.6	3.1	2.6	1.2
154.5°	4.9	3.7	3.6	3.5	2.6	1.3
155°	5.1	3.8	3.6	3.6	2.7	1.8
155.5°	5.2	3.8	3.6	3.6	2.7	2.4
156°	5.2	4.2	3.7	3.7	2.8	2.6
156.5°	5.2	5.0	3.8	3.7	2.8	2.6
157°	5.4	5.0	4.1	3.7	2.9	2.6



TEST NUMBER: P888024  
 CATALOG NUMBER: RLS6159FS1EMBDMR-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	5.5	5.0	5.0	3.7	3.0	2.6
158°	5.6	5.0	5.1	4.1	3.1	2.6
158.5°	5.7	5.0	5.1	4.3	3.2	2.6
159°	5.8	5.1	5.2	4.7	3.3	2.6
159.5°	5.9	5.1	5.3	4.8	3.4	2.6
160°	6.0	5.1	5.4	4.9	3.5	2.6
160.5°	6.0	5.1	5.4	5.0	3.6	2.8
161°	6.0	5.2	5.5	5.0	3.8	3.3
161.5°	6.0	5.2	5.6	5.1	4.4	3.6
162°	6.0	5.3	5.7	5.0	4.5	3.6
162.5°	6.0	5.3	5.7	5.1	4.5	3.5
163°	6.0	5.4	5.8	5.1	4.6	3.5
163.5°	6.0	5.9	5.9	5.2	4.7	3.7
164°	6.0	6.0	6.1	5.6	4.8	3.8
164.5°	6.0	6.1	6.1	6.0	4.8	4.0
165°	6.0	6.1	6.1	6.0	4.9	4.2
165.5°	6.0	6.0	6.1	6.0	5.0	4.3
166°	6.0	6.0	6.2	6.0	5.0	4.5
166.5°	6.0	6.1	6.2	6.0	5.0	5.0
167°	6.0	6.1	6.2	6.0	5.1	5.1
167.5°	6.0	6.2	6.3	6.1	5.3	5.1
168°	6.0	6.2	6.3	6.1	5.5	5.1
168.5°	6.0	6.1	6.4	6.1	5.6	5.1
169°	6.0	6.1	6.4	6.1	5.9	5.1
169.5°	6.0	6.3	6.3	6.1	6.0	5.1
170°	6.0	6.2	6.6	6.2	6.0	5.1
170.5°	6.0	6.2	6.6	6.2	6.0	5.1
171°	6.0	6.2	6.7	6.2	6.0	5.1
171.5°	6.0	6.2	6.8	6.2	6.0	5.1
172°	6.0	6.2	6.9	6.2	6.0	5.1
172.5°	6.0	6.2	7.1	6.3	6.0	5.1
173°	6.0	6.3	7.2	6.3	6.0	5.1
173.5°	6.0	6.3	7.3	6.3	6.0	5.1
174°	6.0	6.3	7.2	6.3	6.0	5.1
174.5°	6.0	6.3	7.1	6.3	6.0	5.1
175°	6.0	6.3	7.1	6.3	6.0	5.1
175.5°	6.0	6.3	7.0	6.3	6.0	5.1
176°	5.9	6.3	6.9	6.3	6.0	5.1
176.5°	5.7	6.3	6.8	6.3	6.0	5.1
177°	5.3	6.3	6.7	6.3	6.0	5.1
177.5°	5.1	6.3	6.6	6.4	6.0	5.1
178°	5.1	6.4	6.6	6.4	6.0	5.1
178.5°	5.2	6.4	6.6	6.4	6.0	5.1
179°	5.1	6.4	6.4	6.3	6.0	5.1
179.5°	5.1	6.4	6.2	6.2	6.0	5.1



TEST NUMBER: P888024  
CATALOG NUMBER: RLS6159FS1EMBDMR-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	5.1	5.1	5.1	5.1	5.1	5.1

(END OF REPORT)