

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: P571723

Luminaire Tested: **RLS6159FS1EWHDM 3000K**

Issue Date: 9/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P571723  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2105753A001)  
Test Lab:  
Issue Date: 9/21/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: RLS6159FS1EWHDM 3000K  
Description: 6 INCH SLOPE DM AT 9 Degrees TILT  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

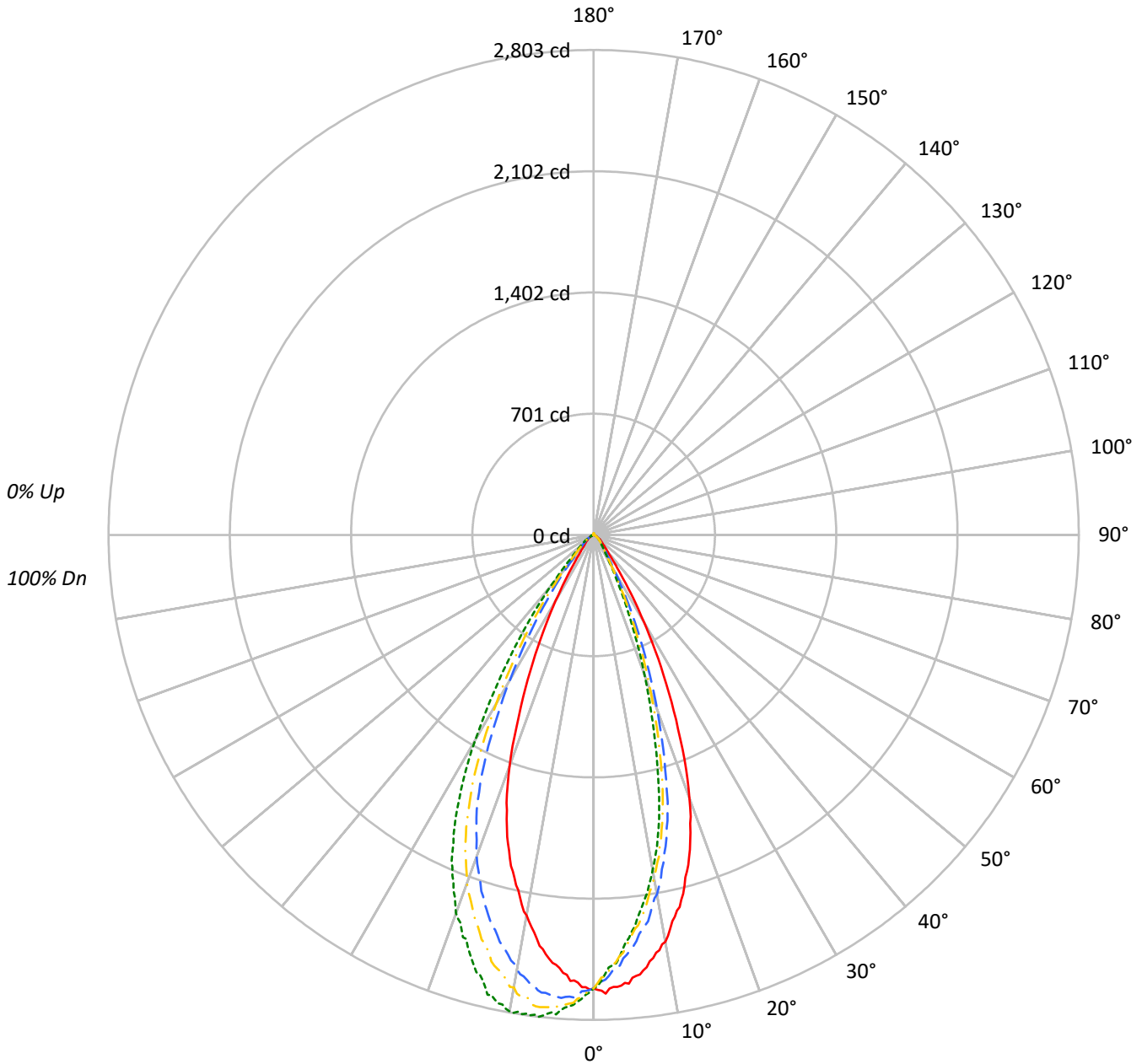
Lumens per Lamp: N/A  
Luminaire Lumens: 1630.0 lumens  
Efficiency: N/A  
Efficacy: 85.8 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 0.73 / 0.72  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 19  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P571723  
CATALOG NUMBER: RLS6159FS1EWHDM 3000K

### Luminous Intensity Polar Plot





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**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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	114	111	108	106	111	109	107	105	105	103	101	101	99	98	97	96	95	94																			
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88																			
3	103	97	92	88	101	96	91	88	93	89	86	91	87	85	88	86	84	82																			
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	77																			
5	94	86	80	76	92	85	80	76	83	79	75	81	78	75	80	77	74	72																			
6	90	81	75	71	88	80	75	71	79	74	71	77	73	70	76	72	70	68																			
7	86	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	65																			
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	62	61																			
9	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	62	59	58																			
10	75	66	61	57	74	66	60	57	65	60	57	64	60	57	63	59	56	55																			

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

	0°	90°	180°	270°
0°	143771	143771	143771	143771
5°	141365	128731	137271	152426
10°	132947	109472	124341	155720
15°	116261	81731	107186	148548
20°	94327	50282	82899	135672
25°	64455	25520	52370	115894
30°	36809	11622	27833	86279
35°	17186	6712	12307	53298
40°	8945	4866	7056	27630
45°	6117	3869	5287	13327
50°	4665	3113	4281	8332
55°	3747	2217	3555	5964
60°	2478	1656	2467	3903
65°	1894	1219	1816	2659
70°	1362	914	1266	1891
75°	1059	741	1038	1334
80°	916	821	821	789
85°	1006	1006	629	755



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	236.8	14.5
10°-20°	547.9	33.6
20°-30°	486.4	29.8
30°-40°	220.9	13.6
40°-50°	74.5	4.6
50°-60°	36.0	2.2
60°-70°	15.0	0.9
70°-80°	5.4	0.3
80°-90°	1.5	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	0.3	0.0
140°-150°	0.9	0.1
150°-160°	1.7	0.1
160°-170°	1.8	0.1
170°-180°	0.7	0.0
0°-30°	1271.2	78.0
0°-40°	1492.1	91.5
0°-60°	1602.7	98.3
0°-90°	1624.6	99.7
90°-120°	0.0	0.0
90°-150°	1.2	0.1
90°-180°	5.0	0.3
0°-180°	1630.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2623	2623	2623	2623	2623	
5°	2569	2339	2494	2770	2569	240
15°	2048	1440	1889	2617	2048	566
25°	1066	422	866	1916	1066	483
35°	257	100	184	796	257	177
45°	79	50	68	172	79	63
55°	39	23	37	62	39	34
65°	15	9	14	20	15	15
75°	5	4	5	6	5	5
85°	2	2	1	1	2	2
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°	2	2	1	1	2	1
155°	5	4	4	3	5	2
165°	7	7	7	6	7	2
175°	8	9	8	8	8	1
180°	8	8	8	8	8	



TEST NUMBER: P571723

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2622.6	2622.6	2622.6	2622.6	2622.6	2622.6	2622.6	2622.6	2622.6	2622.6	2622.6
0.5°	2630.4	2609.6	2589.4	2611.1	2607.2	2602.4	2590.5	2604.3	2627.5	2630.6	2629.4
1°	2635.0	2596.4	2581.8	2590.1	2577.4	2565.4	2559.1	2601.2	2614.1	2629.2	2636.6
1.5°	2652.4	2589.1	2571.6	2563.9	2538.9	2541.6	2554.1	2580.6	2614.4	2640.2	2638.0
2°	2624.1	2574.0	2549.9	2544.1	2501.9	2511.5	2520.1	2571.1	2589.7	2630.6	2666.6
2.5°	2615.2	2571.5	2519.4	2519.8	2490.6	2492.0	2490.9	2557.4	2578.0	2620.4	2676.0
3°	2615.6	2556.1	2512.2	2492.4	2478.7	2459.7	2472.5	2536.2	2581.3	2614.7	2671.7
3.5°	2609.2	2533.2	2492.6	2459.2	2445.3	2423.7	2439.2	2504.2	2547.1	2611.7	2675.4
4°	2595.1	2507.0	2453.8	2426.2	2400.4	2401.1	2421.4	2485.2	2538.3	2605.6	2682.9
4.5°	2602.5	2506.7	2434.0	2412.5	2362.2	2357.0	2389.8	2476.5	2511.1	2580.8	2679.2
5°	2568.9	2486.0	2410.8	2387.1	2339.3	2330.4	2349.5	2436.9	2494.5	2588.2	2681.2
5.5°	2561.1	2474.6	2389.2	2346.8	2302.1	2295.8	2318.4	2416.7	2484.7	2557.6	2668.2
6°	2554.4	2433.8	2359.9	2315.8	2275.0	2267.8	2287.5	2384.7	2461.7	2534.3	2661.6
6.5°	2533.4	2405.1	2322.4	2290.5	2231.5	2239.5	2272.1	2354.2	2440.0	2537.9	2662.0
7°	2517.8	2418.0	2298.7	2257.7	2194.1	2209.6	2238.8	2327.2	2411.4	2500.9	2651.5
7.5°	2485.0	2371.8	2277.2	2225.9	2159.4	2169.4	2203.1	2292.7	2395.2	2492.9	2627.8
8°	2469.5	2354.5	2255.0	2186.5	2123.4	2133.9	2167.7	2260.4	2358.4	2475.2	2622.8
8.5°	2440.5	2315.0	2214.8	2141.1	2091.6	2081.9	2123.8	2226.9	2323.0	2442.6	2602.5
9°	2430.9	2282.9	2166.3	2105.2	2045.8	2040.6	2083.2	2196.7	2294.4	2418.9	2583.7
9.5°	2398.9	2254.9	2128.4	2060.5	2008.9	2005.7	2057.4	2167.9	2266.2	2396.4	2574.6
10°	2388.3	2229.3	2109.9	2025.8	1966.6	1974.1	2007.8	2115.8	2233.7	2375.1	2549.7
10.5°	2355.0	2203.8	2068.2	1985.0	1924.1	1925.2	1969.4	2083.4	2213.8	2350.5	2520.5
11°	2317.9	2155.7	2029.8	1926.2	1880.4	1874.5	1929.4	2046.2	2176.3	2326.2	2505.8
11.5°	2278.2	2125.1	1972.1	1884.8	1838.0	1833.0	1894.3	2014.0	2134.8	2304.1	2478.7
12°	2257.1	2089.3	1937.1	1839.3	1783.6	1788.2	1837.5	1977.5	2099.3	2265.4	2452.3
12.5°	2224.4	2054.2	1886.4	1790.9	1731.6	1744.6	1797.6	1930.4	2073.6	2247.0	2434.4
13°	2207.1	2036.0	1847.6	1736.4	1679.9	1678.6	1746.3	1882.7	2035.0	2214.3	2413.1
13.5°	2169.3	1976.6	1802.6	1686.2	1620.5	1620.2	1703.5	1837.7	2000.9	2181.2	2382.0
14°	2137.4	1929.2	1744.8	1629.8	1561.0	1564.9	1645.6	1795.9	1971.9	2153.0	2352.4
14.5°	2094.0	1877.6	1706.7	1560.1	1498.2	1510.8	1594.3	1750.8	1932.5	2122.9	2337.8
15°	2048.5	1836.5	1651.5	1504.3	1440.1	1451.0	1537.4	1715.6	1888.6	2079.6	2309.2
15.5°	2018.7	1799.7	1601.0	1441.9	1376.5	1385.8	1483.0	1661.3	1851.0	2047.7	2280.5
16°	1985.0	1742.1	1531.3	1385.2	1313.3	1323.0	1426.0	1609.6	1815.1	2015.8	2248.2
16.5°	1940.6	1681.2	1475.2	1313.3	1250.0	1263.0	1365.1	1555.7	1763.5	1984.0	2221.6
17°	1902.0	1644.5	1414.1	1259.0	1190.8	1202.0	1300.5	1496.9	1717.7	1943.1	2186.0
17.5°	1856.3	1601.2	1360.2	1195.3	1131.4	1143.1	1245.4	1437.3	1668.9	1909.5	2158.2
18°	1809.5	1549.3	1299.7	1140.3	1073.7	1091.4	1187.7	1386.1	1629.4	1874.0	2117.1
18.5°	1758.0	1484.1	1243.5	1083.0	1019.5	1031.4	1128.4	1330.5	1579.2	1828.9	2082.6
19°	1722.4	1433.3	1182.7	1028.7	967.8	976.2	1073.7	1267.1	1524.1	1782.3	2049.5
19.5°	1671.2	1370.4	1122.2	977.0	915.5	920.9	1011.0	1204.2	1472.4	1739.5	2016.9
20°	1616.9	1307.7	1075.3	923.1	861.9	866.7	960.1	1148.1	1421.0	1693.6	1976.6
20.5°	1565.2	1250.6	1018.5	869.8	810.2	814.1	907.8	1094.3	1362.3	1644.5	1935.4
21°	1512.7	1201.0	965.3	813.5	757.9	765.3	858.4	1037.8	1305.5	1600.5	1887.2



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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°	1341.9	1036.5	806.1	673.8	618.5	625.7	707.7	883.8	1127.9	1452.9	1769.5
23°	1285.5	983.2	759.5	626.6	575.1	582.9	662.4	830.7	1076.5	1398.6	1727.9
23.5°	1224.1	934.2	713.3	581.9	534.2	541.8	616.6	781.4	1021.6	1340.9	1682.8
24°	1170.0	885.9	666.7	537.9	494.4	503.9	572.0	735.1	972.7	1285.7	1628.9
24.5°	1117.0	835.3	627.5	496.6	456.3	464.6	530.4	684.7	918.2	1227.3	1579.2
25°	1065.6	779.8	581.7	462.0	421.9	428.4	492.8	638.1	865.8	1171.7	1528.6
25.5°	1011.0	732.9	542.4	426.6	388.9	395.4	455.0	595.9	818.2	1118.1	1473.8
26°	956.0	688.7	502.9	395.6	357.5	363.0	418.5	555.2	769.9	1061.9	1415.8
26.5°	905.6	643.9	467.5	363.2	328.3	332.6	385.3	513.4	721.0	1009.5	1363.5
27°	856.9	597.9	429.1	332.6	301.8	304.2	353.9	473.8	678.9	957.1	1304.9
27.5°	807.8	558.2	393.7	303.1	276.2	276.6	323.7	439.2	633.0	906.9	1248.9
28°	759.5	519.4	359.5	277.6	253.8	251.5	294.0	402.8	593.2	856.4	1188.8
28.5°	710.7	479.1	329.6	255.4	233.0	231.1	268.9	369.8	550.8	807.5	1133.7
29°	664.9	444.0	302.9	236.2	214.7	212.3	245.7	341.8	512.7	761.1	1077.9
29.5°	622.0	408.6	278.0	217.2	198.3	197.3	223.7	311.8	476.3	711.2	1022.6
30°	581.5	375.6	254.9	200.3	183.6	182.3	205.4	284.0	439.7	669.5	966.0
30.5°	541.0	344.5	233.7	185.1	171.3	169.3	188.8	257.8	405.1	623.9	918.2
31°	501.2	316.2	214.8	172.5	159.8	156.9	174.0	235.9	372.0	582.5	865.5
31.5°	464.0	290.1	198.1	160.3	149.0	146.2	160.7	215.6	341.4	542.5	815.9
32°	427.1	266.2	183.2	150.4	139.9	136.7	149.8	197.3	312.4	504.8	769.3
32.5°	395.5	244.9	170.8	141.8	130.7	128.2	140.5	180.8	285.7	468.7	722.9
33°	363.8	225.0	159.2	133.6	123.4	120.0	131.7	166.4	260.9	433.7	675.1
33.5°	334.9	206.4	149.0	127.4	117.0	113.5	123.4	154.0	238.7	398.9	631.7
34°	307.0	190.5	139.4	120.9	111.1	107.4	116.9	144.1	218.2	368.2	589.3
34.5°	280.1	176.8	130.7	114.3	105.4	102.2	110.8	134.5	199.7	338.3	548.3
35°	256.8	164.2	123.1	108.3	100.3	96.7	105.0	126.1	183.9	309.6	507.3
35.5°	236.2	153.7	116.6	102.8	95.6	92.4	100.2	119.4	169.9	283.8	469.1
36°	217.9	143.8	110.4	98.8	91.4	88.0	95.9	113.2	157.4	259.5	434.3
36.5°	201.1	134.5	104.4	94.1	87.3	84.7	91.7	107.2	146.2	237.1	400.4
37°	186.4	126.4	99.9	89.7	84.1	81.6	88.0	102.3	136.8	217.2	368.4
37.5°	172.7	120.0	95.3	85.7	81.1	78.7	84.5	97.9	128.0	199.6	338.9
38°	160.2	113.8	91.2	81.7	78.0	76.2	81.3	92.8	120.9	184.0	309.9
38.5°	150.2	108.5	87.7	78.6	75.0	73.8	78.1	88.6	115.0	170.7	284.5
39°	140.7	103.8	84.5	76.4	72.5	71.7	75.5	85.5	109.3	158.9	260.2
39.5°	132.0	99.4	81.3	74.2	70.2	69.4	73.1	82.1	103.6	148.5	238.3
40°	125.0	95.0	78.3	71.8	68.0	67.4	70.7	78.7	98.6	139.1	218.2
40.5°	118.7	91.2	75.9	69.5	66.1	65.2	67.9	75.6	93.8	131.2	200.4
41°	112.5	87.4	73.4	67.3	64.1	63.2	65.5	73.3	89.6	123.7	184.5
41.5°	107.1	83.8	70.9	65.1	62.1	61.2	63.3	70.7	86.1	117.5	171.5
42°	102.7	80.0	68.4	63.1	60.2	59.5	61.3	68.4	82.9	111.6	159.5
42.5°	98.5	76.9	66.1	61.3	58.0	57.6	59.6	66.5	80.0	106.0	150.2
43°	93.9	73.8	63.6	59.5	55.9	56.0	57.8	64.9	77.3	100.7	141.3
43.5°	89.6	70.7	61.4	57.7	53.9	54.7	56.0	63.2	74.8	96.1	132.8



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CATALOG NUMBER: RLS6159FS1EWHDM 3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	78.9	64.0	56.1	52.7	49.9	51.0	51.3	58.6	68.2	84.5	111.8
45.5°	75.7	62.1	54.6	51.2	48.7	49.7	49.9	56.9	66.3	81.4	105.8
46°	72.7	60.3	53.5	49.7	47.5	48.3	48.5	55.5	64.4	78.3	100.5
46.5°	69.8	58.4	51.9	48.5	46.5	46.8	47.0	53.9	62.4	75.6	95.5
47°	67.2	56.6	50.7	47.1	45.3	45.3	45.8	52.3	60.4	72.9	91.0
47.5°	64.7	54.6	49.2	45.4	44.3	44.0	44.5	50.8	58.5	70.5	87.1
48°	62.7	53.0	47.8	43.9	43.0	42.7	43.4	49.5	56.5	68.2	83.9
48.5°	60.7	51.3	46.4	42.4	41.3	41.4	42.2	47.8	54.8	66.3	80.8
49°	58.7	49.6	45.1	41.0	39.5	40.1	40.9	46.3	53.1	64.1	77.6
49.5°	56.7	47.8	44.0	39.5	38.0	38.9	39.8	45.0	51.7	62.1	75.3
50°	54.7	46.1	42.8	38.2	36.5	37.8	38.8	43.5	50.2	60.0	72.7
50.5°	53.1	44.6	41.6	37.1	35.3	36.9	37.4	41.8	48.8	57.9	70.5
51°	51.1	43.1	40.3	36.0	34.0	35.8	36.2	40.6	47.6	56.0	68.5
51.5°	49.5	41.6	39.3	34.7	32.8	34.6	35.0	39.3	46.2	54.3	66.5
52°	48.0	40.4	37.9	33.6	31.5	33.6	33.8	38.1	45.0	52.6	63.7
52.5°	46.5	39.1	36.2	32.2	30.3	32.4	32.6	36.9	43.8	50.7	61.3
53°	45.2	37.8	34.5	30.8	28.9	31.2	31.5	35.8	42.6	49.2	59.1
53.5°	43.9	36.2	32.3	29.1	27.7	29.9	30.4	34.6	41.3	47.7	57.1
54°	42.7	34.5	30.0	27.4	26.3	28.4	29.2	33.8	40.0	46.4	55.2
54.5°	41.1	33.0	28.1	25.7	24.6	26.1	28.1	32.8	38.7	44.8	53.6
55°	39.2	31.1	26.4	24.2	23.2	24.3	26.8	31.7	37.2	43.4	52.0
55.5°	37.4	28.7	24.8	23.2	21.8	23.0	25.3	30.0	35.8	41.8	50.4
56°	34.4	26.9	23.9	22.4	20.8	21.9	23.9	28.2	34.0	40.0	49.1
56.5°	31.6	25.7	23.1	21.8	20.0	21.1	22.6	26.5	32.5	38.1	47.4
57°	29.4	24.5	22.3	20.9	19.3	20.4	21.6	24.8	30.5	36.3	46.0
57.5°	27.8	23.6	21.7	19.9	18.4	19.5	20.8	23.5	28.7	34.2	43.9
58°	26.6	22.7	20.9	19.1	17.6	18.6	20.2	22.6	27.1	31.8	40.8
58.5°	25.6	21.8	20.1	18.3	16.8	17.7	19.3	21.9	25.7	29.9	38.1
59°	24.5	21.3	19.3	17.5	16.4	16.8	18.5	21.1	24.4	28.5	35.1
59.5°	23.5	20.6	18.6	16.8	15.6	16.3	17.7	20.5	23.5	26.9	33.0
60°	22.6	19.9	17.7	16.1	15.1	15.5	17.0	19.7	22.5	25.7	31.2
60.5°	21.8	19.2	16.8	15.5	14.4	14.8	16.4	18.8	21.6	24.7	29.7
61°	20.9	18.4	16.1	14.7	13.7	14.2	15.6	18.0	20.9	23.7	28.2
61.5°	20.0	17.6	15.4	14.1	13.2	13.5	14.9	17.0	20.2	22.8	26.9
62°	19.2	16.7	14.6	13.4	12.4	12.9	14.3	16.4	19.5	21.7	25.6
62.5°	18.4	16.0	13.9	12.9	11.8	12.3	13.5	15.5	18.6	20.8	24.3
63°	17.6	15.2	13.3	12.2	11.3	11.6	12.8	14.7	17.6	19.9	22.9
63.5°	16.9	14.4	12.5	11.6	10.6	11.0	12.2	13.9	16.7	18.9	21.7
64°	16.1	13.7	12.0	11.1	10.3	10.4	11.5	13.2	15.8	18.0	20.7
64.5°	15.4	13.0	11.4	10.6	9.6	9.9	10.8	12.5	15.0	17.3	19.6
65°	14.6	12.3	10.8	10.2	9.4	9.4	10.3	11.8	14.0	16.6	18.6
65.5°	13.7	11.6	10.3	9.7	8.8	8.9	9.8	11.1	13.3	15.6	17.7
66°	12.9	11.1	9.9	9.3	8.4	8.6	9.4	10.5	12.5	14.8	16.8





TEST NUMBER: P571723

CATALOG NUMBER: RLS6159FS1EWHDM 3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	10.9	9.6	8.7	8.3	7.4	7.5	8.3	9.0	10.5	12.4	14.3
68°	10.4	9.2	8.4	8.0	7.0	7.3	7.8	8.6	9.8	11.6	13.5
68.5°	9.8	8.7	8.0	7.7	6.6	6.9	7.4	8.3	9.3	10.8	12.7
69°	9.4	8.3	7.7	7.4	6.3	6.6	7.2	7.7	8.8	10.3	11.9
69.5°	8.9	8.0	7.4	7.1	6.1	6.5	6.8	7.4	8.4	9.6	11.2
70°	8.5	7.7	7.1	6.8	5.7	6.0	6.5	7.0	7.9	9.1	10.5
70.5°	8.2	7.4	6.7	6.5	5.4	5.7	6.2	6.7	7.6	8.6	9.7
71°	7.7	7.0	6.5	6.2	5.2	5.5	5.8	6.4	7.2	8.2	9.0
71.5°	7.4	6.7	6.1	5.9	4.9	5.2	5.5	6.0	6.8	7.7	8.7
72°	7.1	6.4	5.8	5.6	4.9	4.8	5.4	5.7	6.5	7.4	8.2
72.5°	6.7	6.0	5.5	5.3	4.8	4.8	4.9	5.4	6.1	6.9	7.6
73°	6.3	5.7	5.3	5.2	4.8	4.8	4.7	5.0	5.7	6.5	7.2
73.5°	5.9	5.4	5.1	4.9	4.1	4.8	4.7	4.8	5.4	6.1	6.7
74°	5.5	5.1	4.7	4.7	3.7	4.4	4.7	4.8	5.0	5.7	6.4
74.5°	5.2	4.8	4.4	4.5	3.6	3.8	3.9	4.7	4.9	5.4	5.8
75°	5.0	4.5	4.3	4.3	3.5	3.6	3.7	3.9	4.9	4.8	5.4
75.5°	4.6	4.3	4.1	4.2	3.5	3.5	3.5	3.7	4.5	4.7	4.9
76°	4.3	4.0	3.9	4.3	3.5	3.5	3.5	3.5	3.8	4.6	4.9
76.5°	4.1	3.8	3.9	4.2	3.5	3.5	3.5	3.5	3.6	3.8	4.8
77°	3.8	3.6	3.7	4.0	3.5	3.5	3.4	3.2	3.5	3.6	3.8
77.5°	3.6	3.5	3.7	4.0	3.4	3.5	3.4	3.1	3.1	3.3	3.6
78°	3.3	3.5	3.6	3.9	3.0	3.4	3.2	3.0	2.8	2.9	3.1
78.5°	3.1	3.5	3.6	3.8	2.9	3.1	3.0	2.9	2.7	2.6	2.9
79°	3.1	3.3	3.5	3.7	2.8	2.9	2.9	2.8	2.6	2.5	2.5
79.5°	3.0	3.3	3.5	3.6	2.7	2.8	2.9	2.7	2.6	2.5	2.3
80°	2.9	3.1	3.3	3.5	2.6	2.8	2.7	2.6	2.6	2.5	2.0
80.5°	2.8	3.1	3.3	3.5	2.6	2.7	2.6	2.6	2.6	2.1	1.8
81°	2.6	3.0	3.1	3.3	2.5	2.6	2.6	2.6	2.6	2.0	1.8
81.5°	2.6	2.8	3.0	3.2	2.5	2.6	2.6	2.6	2.2	1.8	1.8
82°	2.5	2.7	2.9	3.1	2.6	2.6	2.6	2.4	1.9	1.8	1.6
82.5°	2.3	2.5	2.8	2.9	2.5	2.5	2.3	2.0	1.7	1.6	1.5
83°	2.1	2.5	2.7	2.8	2.2	2.1	2.0	1.8	1.6	1.5	1.4
83.5°	2.1	2.3	2.5	2.6	1.9	1.9	1.8	1.7	1.6	1.5	1.4
84°	2.0	2.1	2.3	2.5	1.9	1.8	1.7	1.5	1.6	1.3	1.0
84.5°	1.8	2.0	2.2	2.4	1.7	1.7	1.5	1.6	1.4	1.0	0.9
85°	1.6	1.9	2.1	2.2	1.6	1.5	1.5	1.3	1.0	0.8	0.7
85.5°	1.5	1.8	2.0	2.1	1.6	1.6	1.5	1.1	0.8	0.7	0.6
86°	1.4	1.6	1.8	1.9	1.5	1.4	1.1	0.9	0.7	0.6	0.6
86.5°	1.2	1.4	1.6	1.8	1.2	1.1	0.9	0.8	0.6	0.6	0.4
87°	1.1	1.3	1.5	1.6	1.0	0.9	0.8	0.8	0.6	0.4	0.3
87.5°	0.9	1.2	1.3	1.5	0.8	0.8	0.7	0.6	0.5	0.1	0.0
88°	0.7	1.0	1.2	1.3	0.7	0.6	0.6	0.6	0.2	0.0	0.0
88.5°	0.6	0.8	1.0	1.1	0.6	0.6	0.6	0.4	0.1	0.0	0.0



TEST NUMBER: P571723

CATALOG NUMBER: RLS6159FS1EWHDM 3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.1	0.3	0.5	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0
90.5°	0.1	0.2	0.3	0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0
91°	0.1	0.1	0.2	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.1	0.1	0.0	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	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	0.1	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	0.0	0.0	0.0	0.0	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	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	0.0	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.5°	0.0	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	0.0	0.0
104.5°	0.0	0.0	0.0	0.0	0.0	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	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	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	0.1	0.0	0.0	0.0	0.0	0.0
110.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0



TEST NUMBER: P571723

CATALOG NUMBER: RLS6159FS1EWHDM 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	0.1	0.1	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0
116°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0
116.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.0
117°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0
117.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0
118°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0
118.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0
119°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0
119.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0
120°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0
120.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
121°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
121.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
122°	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.1
122.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.2	0.1	0.1	0.1
123°	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.2	0.1	0.1	0.1
123.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
124°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
124.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.1
126°	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.1	0.1	0.1	0.1
127°	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.1	0.1	0.1
127.5°	0.0	0.0	0.0	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1
128°	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
128.5°	0.0	0.0	0.0	0.2	0.3	0.2	0.2	0.1	0.1	0.1	0.1
129°	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.1	0.2	0.1	0.1
129.5°	0.0	0.0	0.1	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1
130°	0.0	0.0	0.3	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.1
130.5°	0.0	0.0	0.4	0.5	0.3	0.3	0.2	0.2	0.2	0.1	0.1
131°	0.0	0.1	0.4	0.6	0.4	0.3	0.2	0.3	0.2	0.1	0.1
131.5°	0.0	0.1	0.4	0.5	0.4	0.3	0.2	0.3	0.2	0.1	0.1
132°	0.0	0.3	0.6	0.7	0.4	0.3	0.3	0.3	0.2	0.1	0.1
132.5°	0.0	0.5	0.6	0.7	0.4	0.3	0.3	0.3	0.2	0.1	0.1
133°	0.1	0.5	0.6	0.6	0.4	0.4	0.3	0.3	0.3	0.2	0.1
133.5°	0.1	0.6	0.8	0.6	0.4	0.4	0.3	0.3	0.3	0.2	0.1



TEST NUMBER: P571723

CATALOG NUMBER: RLS6159FS1EWHDM 3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.1	0.8	0.8	0.8	0.5	0.5	0.4	0.4	0.3	0.2	0.2
135.5°	0.1	0.8	0.8	0.8	0.6	0.6	0.4	0.3	0.3	0.3	0.2
136°	0.3	0.7	0.8	0.9	0.6	0.6	0.5	0.4	0.4	0.3	0.2
136.5°	0.4	0.7	0.8	1.0	0.6	0.6	0.5	0.4	0.4	0.3	0.2
137°	0.4	0.7	0.8	1.2	0.7	0.7	0.6	0.4	0.4	0.3	0.2
137.5°	0.5	0.7	0.8	1.5	0.6	0.6	0.6	0.5	0.4	0.3	0.2
138°	0.7	0.7	0.8	1.5	0.8	0.8	0.6	0.6	0.4	0.3	0.2
138.5°	0.6	0.7	0.9	1.5	0.8	0.9	0.6	0.6	0.4	0.3	0.3
139°	0.8	0.8	1.0	1.5	0.9	0.8	0.7	0.6	0.4	0.4	0.3
139.5°	0.8	0.8	1.1	1.7	0.9	0.9	0.7	0.6	0.6	0.3	0.3
140°	0.7	0.8	1.5	1.7	1.0	0.9	0.8	0.6	0.6	0.4	0.3
140.5°	0.7	0.9	1.5	1.8	1.0	1.1	0.8	0.7	0.5	0.4	0.4
141°	0.8	1.0	1.5	2.0	1.1	1.1	0.9	0.8	0.6	0.4	0.3
141.5°	0.7	1.1	1.5	2.1	1.2	1.2	0.9	0.8	0.6	0.4	0.4
142°	0.7	1.4	1.6	2.5	1.2	1.3	1.0	0.9	0.8	0.5	0.4
142.5°	0.9	1.4	1.7	2.6	1.3	1.3	1.1	0.9	0.8	0.4	0.3
143°	0.9	1.6	1.8	2.6	1.4	1.4	1.1	1.1	0.8	0.5	0.4
143.5°	1.0	1.5	1.9	2.6	1.6	1.5	1.2	1.1	0.9	0.6	0.4
144°	1.3	1.6	2.1	2.7	1.6	1.6	1.3	1.2	0.9	0.7	0.5
144.5°	1.5	1.7	2.5	2.8	1.7	1.7	1.4	1.2	0.9	0.8	0.5
145°	1.6	1.8	2.5	3.0	1.9	1.7	1.5	1.4	1.1	0.7	0.6
145.5°	1.6	2.0	2.7	3.1	1.9	1.9	1.6	1.5	1.1	0.9	0.6
146°	1.6	2.4	2.6	3.5	2.1	2.0	1.6	1.5	1.3	0.9	0.6
146.5°	1.7	2.6	2.7	3.6	2.2	2.1	1.7	1.6	1.3	0.9	0.7
147°	1.8	2.5	2.8	3.6	2.3	2.2	1.8	1.7	1.4	1.0	0.8
147.5°	2.0	2.5	2.9	3.7	2.4	2.4	1.9	1.8	1.5	1.1	0.8
148°	2.2	2.7	3.0	3.8	2.5	2.5	2.1	1.9	1.6	1.2	0.8
148.5°	2.6	2.8	3.5	4.0	2.7	2.6	2.2	2.0	1.7	1.2	0.9
149°	2.6	3.0	3.6	4.5	2.8	2.8	2.2	2.1	1.8	1.4	1.0
149.5°	2.6	3.2	3.6	4.9	2.9	2.9	2.4	2.3	2.0	1.4	1.1
150°	2.6	3.5	3.6	4.9	3.1	3.0	2.4	2.4	2.1	1.6	1.2
150.5°	2.8	3.5	3.8	4.9	3.2	3.1	2.6	2.5	2.1	1.6	1.2
151°	2.9	3.6	3.9	4.9	3.3	3.3	2.6	2.7	2.3	1.7	1.3
151.5°	3.0	3.7	4.2	4.9	3.4	3.4	2.8	2.8	2.5	1.8	1.5
152°	3.3	3.9	4.8	4.9	3.6	3.5	2.9	3.0	2.6	2.0	1.5
152.5°	3.5	4.7	4.8	5.0	3.7	3.6	3.0	3.1	2.8	2.1	1.6
153°	3.5	4.8	4.8	5.1	3.9	3.7	3.1	3.3	2.9	2.2	1.7
153.5°	3.6	4.8	4.8	5.5	4.1	3.9	3.2	3.4	3.0	2.4	1.8
154°	3.8	4.8	4.8	5.6	4.2	4.0	3.4	3.5	3.2	2.6	2.0
154.5°	4.0	4.8	4.9	5.6	4.4	4.2	3.5	3.7	3.4	2.6	2.1
155°	4.7	5.0	5.2	5.6	4.4	4.3	3.6	3.9	3.5	2.8	2.2
155.5°	4.7	5.1	5.5	5.7	4.5	4.3	3.7	4.0	3.7	3.0	2.3
156°	4.7	5.4	5.6	5.8	4.7	4.5	3.9	4.1	3.8	3.1	2.5



TEST NUMBER: P571723

CATALOG NUMBER: RLS6159FS1EWHDM 3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	4.9	5.7	5.8	6.1	5.1	5.0	4.4	4.7	4.3	3.6	3.0
158°	5.0	5.8	6.0	6.6	5.3	5.1	4.5	4.8	4.5	3.8	3.1
158.5°	5.2	6.0	6.3	6.7	5.4	5.2	4.6	5.0	4.7	3.9	3.2
159°	5.5	6.1	6.5	6.8	5.6	5.3	5.0	5.2	4.8	4.1	3.4
159.5°	5.5	6.5	6.6	6.7	5.7	5.5	5.1	5.3	5.0	4.3	3.6
160°	5.5	6.6	6.6	6.7	5.9	5.6	5.1	5.4	5.2	4.4	3.7
160.5°	5.7	6.5	6.6	6.8	6.0	5.8	5.3	5.7	5.3	4.6	3.9
161°	5.7	6.5	6.6	6.8	6.2	6.0	5.5	5.8	5.5	4.8	4.1
161.5°	5.9	6.7	6.8	7.0	6.3	6.0	5.7	5.9	5.7	5.0	4.2
162°	6.1	6.8	7.0	7.1	6.4	6.2	5.9	6.1	5.8	5.0	4.4
162.5°	6.3	6.9	7.1	7.2	6.5	6.4	6.0	6.2	5.9	5.2	4.6
163°	6.5	6.9	7.1	7.3	6.7	6.5	6.2	6.4	6.1	5.3	4.7
163.5°	6.5	7.0	7.2	7.5	6.7	6.6	6.3	6.6	6.2	5.5	4.9
164°	6.5	7.3	7.5	7.6	6.8	6.7	6.4	6.7	6.4	5.6	5.1
164.5°	6.7	7.6	7.5	7.8	7.0	6.8	6.7	6.8	6.5	5.8	5.1
165°	6.7	7.7	7.7	7.8	7.1	7.0	6.8	7.0	6.7	5.8	5.3
165.5°	6.9	7.7	7.7	7.8	7.2	7.1	7.0	7.1	6.9	6.0	5.4
166°	6.9	7.6	7.6	7.8	7.3	7.3	7.1	7.3	7.0	6.1	5.5
166.5°	7.0	7.6	7.6	7.8	7.4	7.3	7.2	7.4	7.1	6.3	5.7
167°	7.0	7.6	7.7	7.8	7.6	7.5	7.2	7.4	7.1	6.4	5.8
167.5°	7.1	7.6	7.7	7.8	7.7	7.6	7.4	7.5	7.3	6.5	5.9
168°	7.3	7.6	7.7	7.8	7.8	7.8	7.5	7.7	7.4	6.6	6.1
168.5°	7.4	7.6	7.7	7.8	7.9	7.9	7.5	7.8	7.5	6.7	6.1
169°	7.6	7.6	7.7	7.8	8.0	7.9	7.6	7.8	7.6	6.7	6.3
169.5°	7.7	7.6	7.8	7.8	8.2	8.0	7.8	7.9	7.7	6.9	6.3
170°	7.7	7.7	7.7	7.8	8.2	8.1	7.8	7.8	7.7	7.0	6.5
170.5°	7.6	7.8	7.9	7.8	8.3	8.2	7.7	7.8	7.8	7.0	6.5
171°	7.6	7.8	7.9	7.8	8.4	8.3	7.7	7.8	7.8	7.1	6.6
171.5°	7.6	7.8	7.9	7.8	8.5	8.4	7.7	7.8	7.8	7.2	6.6
172°	7.6	7.9	7.9	7.8	8.5	8.4	7.7	7.8	7.8	7.3	6.8
172.5°	7.6	7.9	7.9	7.8	8.7	8.6	7.7	7.8	7.8	7.3	6.9
173°	7.6	7.9	7.9	7.8	8.8	8.7	7.7	7.8	7.8	7.5	7.1
173.5°	7.6	7.9	7.9	7.8	8.7	8.7	7.7	7.8	7.8	7.6	7.3
174°	7.6	7.9	7.9	7.8	8.7	8.7	7.7	7.8	7.8	7.6	7.2
174.5°	7.6	7.9	7.9	7.9	8.7	8.7	7.7	7.8	7.8	7.6	7.3
175°	7.6	7.9	7.9	7.8	8.7	8.6	7.7	7.8	7.8	7.6	7.3
175.5°	7.6	7.9	7.9	7.7	8.7	8.6	7.7	7.8	7.8	7.6	7.3
176°	7.6	7.9	7.9	7.6	8.7	8.6	7.6	7.8	7.8	7.6	7.3
176.5°	7.6	7.9	7.9	7.6	8.7	8.6	7.7	7.8	7.8	7.6	7.3
177°	7.6	7.8	7.8	7.5	8.6	8.5	7.5	7.8	7.8	7.6	7.3
177.5°	7.6	7.8	7.6	7.4	8.6	8.3	7.5	7.8	7.8	7.6	7.5
178°	7.6	7.7	7.6	7.4	8.6	8.2	7.5	7.7	7.8	7.6	7.4
178.5°	7.6	7.6	7.4	7.3	8.6	8.1	7.5	7.7	7.8	7.7	7.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6



TEST NUMBER: P571723

CATALOG NUMBER: RLS6159FS1EWHDM 3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2622.6	2622.6	2622.6	2622.6	2622.6	2622.6
0.5°	2645.0	2643.5	2636.7	2620.4	2652.0	2630.4
1°	2677.8	2657.5	2658.8	2653.2	2665.6	2635.0
1.5°	2699.7	2682.9	2684.8	2672.0	2675.9	2652.4
2°	2719.3	2699.6	2697.4	2683.3	2683.5	2624.1
2.5°	2732.6	2719.4	2700.9	2706.9	2693.5	2615.2
3°	2761.4	2727.9	2721.4	2713.6	2692.9	2615.6
3.5°	2764.0	2737.9	2737.9	2720.5	2685.1	2609.2
4°	2773.9	2755.0	2753.3	2734.6	2691.8	2595.1
4.5°	2768.3	2780.5	2753.7	2735.0	2692.9	2602.5
5°	2771.6	2769.9	2770.2	2729.0	2679.3	2568.9
5.5°	2776.0	2779.1	2794.6	2742.6	2672.2	2561.1
6°	2784.8	2793.0	2795.2	2744.1	2664.4	2554.4
6.5°	2787.3	2803.1	2794.7	2747.0	2660.9	2533.4
7°	2785.0	2794.4	2813.7	2745.9	2652.6	2517.8
7.5°	2773.7	2799.6	2786.2	2736.9	2631.2	2485.0
8°	2764.2	2794.6	2778.5	2705.2	2604.5	2469.5
8.5°	2746.2	2801.2	2769.4	2697.0	2592.3	2440.5
9°	2748.6	2791.0	2777.9	2700.3	2569.8	2430.9
9.5°	2745.1	2801.4	2770.4	2689.0	2564.1	2398.9
10°	2722.3	2797.4	2777.8	2656.6	2550.9	2388.3
10.5°	2712.0	2785.3	2747.0	2656.4	2522.8	2355.0
11°	2697.5	2765.3	2751.9	2628.8	2504.1	2317.9
11.5°	2678.5	2762.4	2741.8	2602.6	2466.3	2278.2
12°	2661.7	2745.7	2716.3	2582.3	2441.5	2257.1
12.5°	2641.2	2725.4	2688.3	2569.1	2418.8	2224.4
13°	2625.1	2727.6	2684.5	2554.5	2384.5	2207.1
13.5°	2598.9	2685.1	2671.3	2533.8	2355.5	2169.3
14°	2578.9	2652.7	2626.3	2492.4	2332.4	2137.4
14.5°	2549.2	2626.3	2604.0	2466.1	2309.5	2094.0
15°	2528.5	2617.4	2587.2	2440.8	2273.6	2048.5
15.5°	2506.2	2585.4	2551.4	2426.0	2240.1	2018.7
16°	2481.5	2553.5	2519.2	2390.8	2209.7	1985.0
16.5°	2453.4	2520.8	2503.2	2359.2	2171.5	1940.6
17°	2424.0	2489.9	2477.2	2331.3	2134.0	1902.0
17.5°	2401.2	2447.5	2446.1	2303.6	2108.3	1856.3
18°	2361.1	2445.6	2420.5	2266.4	2072.9	1809.5
18.5°	2336.0	2406.9	2381.8	2234.5	2026.1	1758.0
19°	2301.1	2368.2	2352.4	2204.1	1987.9	1722.4
19.5°	2270.0	2351.7	2318.2	2178.9	1950.0	1671.2
20°	2238.1	2325.6	2287.3	2139.3	1912.0	1616.9
20.5°	2200.4	2282.6	2249.9	2093.9	1858.5	1565.2
21°	2159.0	2239.7	2219.1	2054.0	1816.1	1512.7



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**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	2043.0	2132.3	2097.3	1937.6	1676.5	1341.9
23°	2004.9	2087.1	2048.1	1888.9	1626.1	1285.5
23.5°	1961.1	2058.8	2015.9	1846.2	1565.5	1224.1
24°	1914.6	2007.7	1980.3	1797.3	1519.1	1170.0
24.5°	1869.3	1952.3	1924.5	1744.3	1467.8	1117.0
25°	1823.7	1916.0	1884.5	1692.5	1419.5	1065.6
25.5°	1775.2	1868.4	1835.6	1643.4	1351.8	1011.0
26°	1725.0	1818.4	1786.1	1594.7	1293.4	956.0
26.5°	1668.0	1766.7	1732.1	1540.0	1236.1	905.6
27°	1609.8	1708.9	1680.3	1479.2	1178.8	856.9
27.5°	1559.1	1660.9	1619.9	1421.4	1121.5	807.8
28°	1501.6	1600.8	1567.3	1360.9	1064.7	759.5
28.5°	1441.4	1546.6	1509.3	1301.2	1011.9	710.7
29°	1381.6	1491.7	1448.9	1240.4	958.5	664.9
29.5°	1323.3	1431.4	1389.5	1182.8	902.7	622.0
30°	1261.0	1363.0	1327.4	1123.2	858.1	581.5
30.5°	1198.3	1300.0	1270.2	1072.3	809.4	541.0
31°	1138.1	1243.8	1210.6	1018.7	758.9	501.2
31.5°	1082.4	1186.6	1149.1	965.5	713.8	464.0
32°	1031.6	1124.0	1092.3	911.8	671.0	427.1
32.5°	977.6	1064.3	1038.1	860.6	626.2	395.5
33°	924.4	1013.2	984.4	810.3	585.8	363.8
33.5°	870.3	955.1	930.5	762.0	544.9	334.9
34°	820.9	899.9	879.2	714.1	506.0	307.0
34.5°	769.8	853.2	828.8	669.4	467.3	280.1
35°	721.5	796.4	777.9	625.6	431.4	256.8
35.5°	675.6	747.6	728.2	583.2	398.6	236.2
36°	629.5	703.6	679.7	542.8	362.9	217.9
36.5°	586.4	657.1	633.2	503.6	334.4	201.1
37°	545.4	611.7	590.0	467.2	306.3	186.4
37.5°	505.9	569.1	548.5	430.5	281.0	172.7
38°	468.3	529.6	508.7	395.0	257.7	160.2
38.5°	431.5	488.7	470.0	362.3	236.9	150.2
39°	398.3	452.8	434.9	332.5	218.0	140.7
39.5°	365.6	416.8	401.0	304.4	200.7	132.0
40°	334.4	386.1	369.8	279.1	185.5	125.0
40.5°	305.5	354.8	340.0	255.8	172.2	118.7
41°	279.9	325.0	312.4	235.3	160.5	112.5
41.5°	257.7	297.2	285.5	216.5	150.3	107.1
42°	237.1	273.8	261.5	199.7	140.2	102.7
42.5°	218.7	251.6	240.2	185.1	132.3	98.5
43°	202.7	231.5	221.2	171.9	125.3	93.9
43.5°	187.6	213.0	204.7	159.3	118.2	89.6





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**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	152.4	171.9	163.8	130.8	100.5	78.9
45.5°	143.2	160.8	153.2	123.4	95.8	75.7
46°	134.6	150.8	143.6	116.9	91.2	72.7
46.5°	126.6	142.1	134.6	110.5	87.0	69.8
47°	120.0	133.9	126.7	104.6	83.6	67.2
47.5°	113.7	125.9	120.0	99.5	80.4	64.7
48°	107.6	119.4	113.5	94.8	77.3	62.7
48.5°	102.4	113.4	107.3	90.9	74.2	60.7
49°	97.2	108.0	101.3	87.2	71.6	58.7
49.5°	92.7	102.8	96.1	83.3	69.2	56.7
50°	88.6	97.7	91.5	79.5	66.8	54.7
50.5°	85.1	93.3	87.7	76.3	64.3	53.1
51°	81.2	89.0	84.2	73.2	62.0	51.1
51.5°	77.9	85.2	80.7	70.2	60.0	49.5
52°	75.2	81.7	77.1	67.8	57.9	48.0
52.5°	72.6	78.1	73.9	65.1	55.9	46.5
53°	70.0	75.0	70.8	62.6	54.1	45.2
53.5°	67.7	72.0	67.9	60.0	52.3	43.9
54°	65.5	68.4	65.0	57.7	50.5	42.7
54.5°	63.4	65.3	62.3	55.5	48.7	41.1
55°	61.5	62.4	59.7	53.2	46.6	39.2
55.5°	59.5	59.8	57.3	50.6	44.9	37.4
56°	57.6	57.1	55.0	48.0	42.1	34.4
56.5°	55.5	54.5	53.0	45.8	39.3	31.6
57°	52.7	52.1	50.6	43.5	36.8	29.4
57.5°	49.7	49.2	47.5	40.9	34.4	27.8
58°	46.4	46.3	44.4	38.1	32.5	26.6
58.5°	43.2	42.7	41.1	35.8	31.1	25.6
59°	40.1	39.5	38.1	34.0	29.4	24.5
59.5°	37.8	37.2	36.1	32.3	28.0	23.5
60°	36.0	35.6	34.4	30.9	26.8	22.6
60.5°	34.0	34.0	33.0	29.5	25.7	21.8
61°	32.4	32.4	31.3	28.0	24.4	20.9
61.5°	31.0	30.8	29.6	26.4	23.3	20.0
62°	29.3	28.9	27.8	25.0	22.3	19.2
62.5°	27.5	27.1	25.9	23.6	21.3	18.4
63°	26.0	25.4	24.5	22.3	20.3	17.6
63.5°	24.4	24.0	23.1	21.4	19.3	16.9
64°	23.1	22.6	21.8	20.3	18.3	16.1
64.5°	21.8	21.5	20.8	19.2	17.5	15.4
65°	20.7	20.5	19.7	18.3	16.7	14.6
65.5°	19.6	19.3	18.6	17.4	16.0	13.7
66°	18.5	18.3	17.8	16.5	15.2	12.9



TEST NUMBER: P571723

CATALOG NUMBER: RLS6159FS1EWHDM 3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	15.6	15.6	15.0	14.1	12.9	10.9
68°	14.7	14.7	14.1	13.4	12.2	10.4
68.5°	13.9	14.0	13.4	12.8	11.4	9.8
69°	13.2	13.2	12.7	12.1	10.7	9.4
69.5°	12.6	12.5	12.0	11.4	10.1	8.9
70°	11.7	11.8	11.3	10.6	9.5	8.5
70.5°	10.9	11.0	10.5	9.8	9.1	8.2
71°	10.1	10.3	10.0	9.5	8.6	7.7
71.5°	9.5	9.8	9.4	9.0	8.2	7.4
72°	8.8	9.2	8.9	8.5	7.8	7.1
72.5°	8.5	8.7	8.4	8.0	7.4	6.7
73°	7.8	8.2	7.9	7.5	7.1	6.3
73.5°	7.4	7.7	7.4	7.1	6.6	5.9
74°	6.7	7.2	7.0	6.7	6.2	5.5
74.5°	6.3	6.7	6.5	6.3	5.9	5.2
75°	5.8	6.3	6.1	5.9	5.5	5.0
75.5°	5.5	5.8	5.6	5.5	5.2	4.6
76°	4.9	5.4	5.2	5.1	4.8	4.3
76.5°	4.7	5.0	5.0	4.7	4.5	4.1
77°	4.3	4.5	4.5	4.4	4.1	3.8
77.5°	3.7	4.1	4.1	4.0	3.8	3.6
78°	3.6	3.8	3.8	3.6	3.5	3.3
78.5°	2.9	3.4	3.4	3.3	3.2	3.1
79°	2.6	3.1	3.0	3.0	3.0	3.1
79.5°	2.5	2.7	2.8	2.7	2.8	3.0
80°	2.0	2.5	2.5	2.5	2.7	2.9
80.5°	1.8	2.3	2.4	2.4	2.5	2.8
81°	1.6	2.2	2.2	2.2	2.5	2.6
81.5°	1.6	2.2	2.1	2.1	2.3	2.6
82°	1.6	2.0	2.0	2.1	2.3	2.5
82.5°	1.5	1.9	1.9	2.1	2.1	2.3
83°	1.5	1.8	1.8	1.9	2.1	2.1
83.5°	1.1	1.6	1.7	1.7	1.9	2.1
84°	1.0	1.5	1.5	1.6	1.8	2.0
84.5°	0.8	1.3	1.4	1.4	1.6	1.8
85°	0.6	1.2	1.2	1.3	1.5	1.6
85.5°	0.6	1.0	1.1	1.2	1.3	1.5
86°	0.4	0.8	0.9	1.1	1.2	1.4
86.5°	0.3	0.6	0.7	0.9	1.0	1.2
87°	0.1	0.4	0.5	0.6	0.8	1.1
87.5°	0.0	0.3	0.4	0.5	0.7	0.9
88°	0.0	0.1	0.2	0.3	0.6	0.7
88.5°	0.0	0.0	0.1	0.3	0.3	0.6



TEST NUMBER: P571723

CATALOG NUMBER: RLS6159FS1EWHDM 3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.1	0.0	0.1	0.1
90.5°	0.0	0.0	0.0	0.0	0.1	0.1
91°	0.0	0.0	0.0	0.0	0.1	0.1
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	0.0
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	0.1	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	0.0	0.0	0.0	0.0
99.5°	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
100.5°	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
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	0.0
103.5°	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
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	0.0	0.0	0.0	0.0	0.0
106.5°	0.0	0.0	0.0	0.0	0.0	0.0
107°	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
108°	0.0	0.0	0.0	0.0	0.0	0.0
108.5°	0.0	0.0	0.0	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



TEST NUMBER: P571723

CATALOG NUMBER: RLS6159FS1EWHDM 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°	0.1	0.0	0.0	0.0	0.0	0.0
116°	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
117°	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
118°	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
119°	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
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°	0.1	0.0	0.0	0.0	0.0	0.0
122°	0.1	0.0	0.0	0.0	0.0	0.0
122.5°	0.1	0.0	0.0	0.0	0.0	0.0
123°	0.1	0.0	0.0	0.0	0.0	0.0
123.5°	0.1	0.0	0.0	0.0	0.0	0.0
124°	0.1	0.0	0.0	0.0	0.0	0.0
124.5°	0.1	0.0	0.0	0.0	0.0	0.0
125°	0.1	0.0	0.0	0.0	0.0	0.0
125.5°	0.1	0.0	0.0	0.0	0.0	0.0
126°	0.1	0.0	0.0	0.0	0.0	0.0
126.5°	0.1	0.0	0.0	0.0	0.0	0.0
127°	0.1	0.0	0.0	0.0	0.0	0.0
127.5°	0.1	0.0	0.0	0.0	0.0	0.0
128°	0.1	0.0	0.0	0.0	0.0	0.0
128.5°	0.1	0.0	0.0	0.0	0.0	0.0
129°	0.1	0.0	0.0	0.0	0.0	0.0
129.5°	0.1	0.0	0.0	0.0	0.0	0.0
130°	0.1	0.0	0.0	0.0	0.0	0.0
130.5°	0.1	0.0	0.0	0.0	0.0	0.0
131°	0.1	0.0	0.0	0.0	0.0	0.0
131.5°	0.1	0.0	0.0	0.0	0.0	0.0
132°	0.1	0.0	0.0	0.0	0.0	0.0
132.5°	0.1	0.0	0.0	0.0	0.0	0.0
133°	0.1	0.0	0.0	0.0	0.0	0.1
133.5°	0.1	0.0	0.0	0.0	0.0	0.1



TEST NUMBER: P571723

CATALOG NUMBER: RLS6159FS1EWHDM 3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.1	0.0	0.0	0.0	0.1	0.1
135.5°	0.1	0.0	0.0	0.0	0.1	0.1
136°	0.1	0.0	0.0	0.0	0.1	0.3
136.5°	0.1	0.0	0.0	0.0	0.2	0.4
137°	0.1	0.0	0.0	0.0	0.2	0.4
137.5°	0.1	0.0	0.0	0.0	0.4	0.5
138°	0.2	0.0	0.0	0.2	0.4	0.7
138.5°	0.2	0.0	0.1	0.2	0.4	0.6
139°	0.2	0.0	0.1	0.3	0.5	0.8
139.5°	0.3	0.1	0.3	0.4	0.6	0.8
140°	0.3	0.1	0.3	0.4	0.6	0.7
140.5°	0.3	0.2	0.4	0.5	0.8	0.7
141°	0.3	0.3	0.4	0.5	0.8	0.8
141.5°	0.3	0.5	0.4	0.6	0.7	0.7
142°	0.3	0.6	0.6	0.6	0.7	0.7
142.5°	0.3	0.7	0.6	0.7	0.7	0.9
143°	0.3	0.7	0.7	0.7	0.8	0.9
143.5°	0.4	0.6	0.7	0.8	0.7	1.0
144°	0.4	0.6	0.7	0.8	0.7	1.3
144.5°	0.4	0.7	0.7	0.7	0.8	1.5
145°	0.4	0.7	0.7	0.7	0.9	1.6
145.5°	0.4	0.7	0.7	0.9	0.9	1.6
146°	0.6	0.7	0.7	0.9	1.4	1.6
146.5°	0.5	0.8	0.9	0.9	1.5	1.7
147°	0.6	0.9	0.9	1.0	1.5	1.8
147.5°	0.6	1.0	0.9	1.2	1.6	2.0
148°	0.6	1.4	1.1	1.5	1.6	2.2
148.5°	0.8	1.6	1.5	1.6	1.7	2.6
149°	0.8	1.6	1.6	1.6	1.8	2.6
149.5°	0.8	1.6	1.6	1.6	1.9	2.6
150°	0.8	1.6	1.5	1.7	2.0	2.6
150.5°	1.0	1.6	1.6	1.7	2.6	2.8
151°	1.2	1.7	1.7	1.9	2.6	2.9
151.5°	1.2	1.9	1.9	2.1	2.6	3.0
152°	1.2	2.0	2.0	2.4	2.5	3.3
152.5°	1.3	2.3	2.1	2.5	2.7	3.5
153°	1.3	2.5	2.4	2.6	2.8	3.5
153.5°	1.5	2.6	2.5	2.6	3.0	3.6
154°	1.5	2.6	2.5	2.7	3.3	3.8
154.5°	1.7	2.6	2.5	2.8	3.5	4.0
155°	1.7	2.7	2.7	3.0	3.7	4.7
155.5°	1.9	2.9	2.9	3.2	3.6	4.7
156°	2.0	3.0	3.0	3.5	3.8	4.7



TEST NUMBER: P571723

CATALOG NUMBER: RLS6159FS1EWHDM 3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	2.4	3.5	3.5	3.7	4.8	4.9
158°	2.5	3.5	3.5	3.9	4.8	5.0
158.5°	2.7	3.7	3.7	4.4	4.8	5.2
159°	2.8	3.8	3.9	4.8	4.8	5.5
159.5°	3.0	4.0	4.2	4.8	4.9	5.5
160°	3.1	4.7	4.7	4.7	5.0	5.5
160.5°	3.3	4.7	4.7	4.7	5.2	5.7
161°	3.5	4.8	4.7	4.7	5.5	5.7
161.5°	3.6	4.8	4.7	4.9	5.5	5.9
162°	3.8	4.8	4.7	5.1	5.5	6.1
162.5°	4.0	4.9	4.8	5.5	5.7	6.3
163°	4.2	4.9	5.0	5.5	5.8	6.5
163.5°	4.2	5.2	5.3	5.5	6.0	6.5
164°	4.5	5.3	5.5	5.7	6.1	6.5
164.5°	4.6	5.6	5.4	5.8	6.5	6.7
165°	4.7	5.5	5.5	6.0	6.6	6.7
165.5°	4.9	5.5	5.7	6.0	6.6	6.9
166°	5.2	5.7	5.9	6.5	6.6	6.9
166.5°	5.2	5.8	6.1	6.5	6.6	7.0
167°	5.2	5.9	6.5	6.4	6.7	7.0
167.5°	5.4	6.2	6.5	6.6	6.8	7.1
168°	5.6	6.4	6.5	6.6	6.8	7.3
168.5°	5.8	6.5	6.5	6.7	6.9	7.4
169°	5.8	6.5	6.6	6.8	7.0	7.6
169.5°	5.9	6.5	6.7	6.8	7.1	7.7
170°	6.0	6.6	6.9	7.0	7.1	7.7
170.5°	6.2	6.8	7.1	7.2	7.5	7.6
171°	6.3	6.9	7.4	7.5	7.6	7.6
171.5°	6.4	7.3	7.5	7.5	7.7	7.6
172°	6.5	7.6	7.5	7.5	7.7	7.6
172.5°	6.6	7.6	7.5	7.5	7.6	7.6
173°	6.8	7.5	7.5	7.5	7.6	7.6
173.5°	6.9	7.5	7.5	7.5	7.6	7.6
174°	7.0	7.5	7.5	7.5	7.7	7.6
174.5°	7.1	7.5	7.5	7.6	7.7	7.6
175°	7.1	7.5	7.5	7.6	7.7	7.6
175.5°	7.2	7.5	7.5	7.6	7.7	7.6
176°	7.2	7.5	7.5	7.7	7.7	7.6
176.5°	7.2	7.5	7.5	7.7	7.7	7.6
177°	7.3	7.5	7.5	7.6	7.7	7.6
177.5°	7.3	7.6	7.5	7.6	7.7	7.6
178°	7.4	7.6	7.5	7.6	7.7	7.6
178.5°	7.4	7.7	7.5	7.6	7.7	7.6



TEST NUMBER: P571723

CATALOG NUMBER: RLS6159FS1EWHDM 3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
180°	7.6	7.6	7.6	7.6	7.6	7.6



Report Generated By 670245859 / DESKTOP-HRDQ47P







— 0°-180°    - - 45°-225°    - - - - 90°-270°    - · - · 135°-315°







21.5°	1457.7	1143.2	910.3	762.8	708.5	717.2	806.3	984.1	1245.3	1549.1	1849.9
22°	1400.3	1086.0	855.5	717.5	665.3	670.4	758.9	932.5	1185.5	1503.5	1807.5



44°	86.0	68.5	59.3	55.9	52.4	53.2	54.2	61.3	72.3	92.2	124.9
44.5°	82.6	66.2	57.7	54.6	51.2	52.2	52.5	60.1	70.2	88.1	118.1



66.5°	12.2	10.5	9.5	9.0	8.0	8.4	8.9	9.9	11.6	13.8	15.9
67°	11.5	10.1	9.2	8.6	7.6	7.8	8.6	9.4	10.9	13.0	15.1



89°	0.4	0.7	0.8	1.0	0.6	0.5	0.4	0.1	0.1	0.0	0.0
89.5°	0.3	0.4	0.6	0.8	0.4	0.4	0.2	0.0	0.1	0.0	0.0





111.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0



134°	0.0	0.5	0.8	0.7	0.4	0.4	0.4	0.3	0.3	0.2	0.1
134.5°	0.1	0.6	0.8	0.7	0.4	0.5	0.4	0.4	0.3	0.2	0.1



156.5°	4.7	5.5	5.6	5.9	4.9	4.6	4.1	4.4	4.0	3.2	2.7
157°	4.7	5.5	5.7	6.1	5.1	4.8	4.2	4.5	4.2	3.4	2.8



179°	7.6	7.6	7.4	7.2	8.6	8.1	7.5	7.7	7.7	7.7	7.5
179.5°	7.6	7.6	7.5	7.2	8.6	8.0	7.5	7.7	7.7	7.6	7.6





21.5°	2122.0	2211.2	2170.8	2013.7	1772.8	1457.7
22°	2074.5	2163.5	2139.3	1980.3	1721.7	1400.3



44°	174.9	197.0	189.5	148.8	111.7	86.0
44.5°	162.5	184.4	176.3	139.3	105.6	82.6



66.5°	17.5	17.3	16.8	15.7	14.5	12.2
67°	16.6	16.4	15.8	14.8	13.7	11.5





89°	0.0	0.0	0.0	0.1	0.3	0.4
89.5°	0.0	0.1	0.0	0.0	0.1	0.3



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



134°	0.1	0.0	0.0	0.0	0.0	0.0
134.5°	0.1	0.0	0.0	0.0	0.0	0.1



156.5°	2.1	3.3	3.2	3.5	3.8	4.7
157°	2.2	3.5	3.5	3.5	4.5	4.7



179°	7.4	7.7	7.5	7.6	7.7	7.6
179.5°	7.4	7.9	7.5	7.6	7.8	7.6



(END OF REPORT)