

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: P888021

Luminaire Tested: RLS6159FS1EMBDMR-2700K

Issue Date: 10/10/2024

Test Information

Test Method: LM-79-2019
Report Number: P888021
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-2700K
Description:
Light Source: -
Ballast/Driver: -

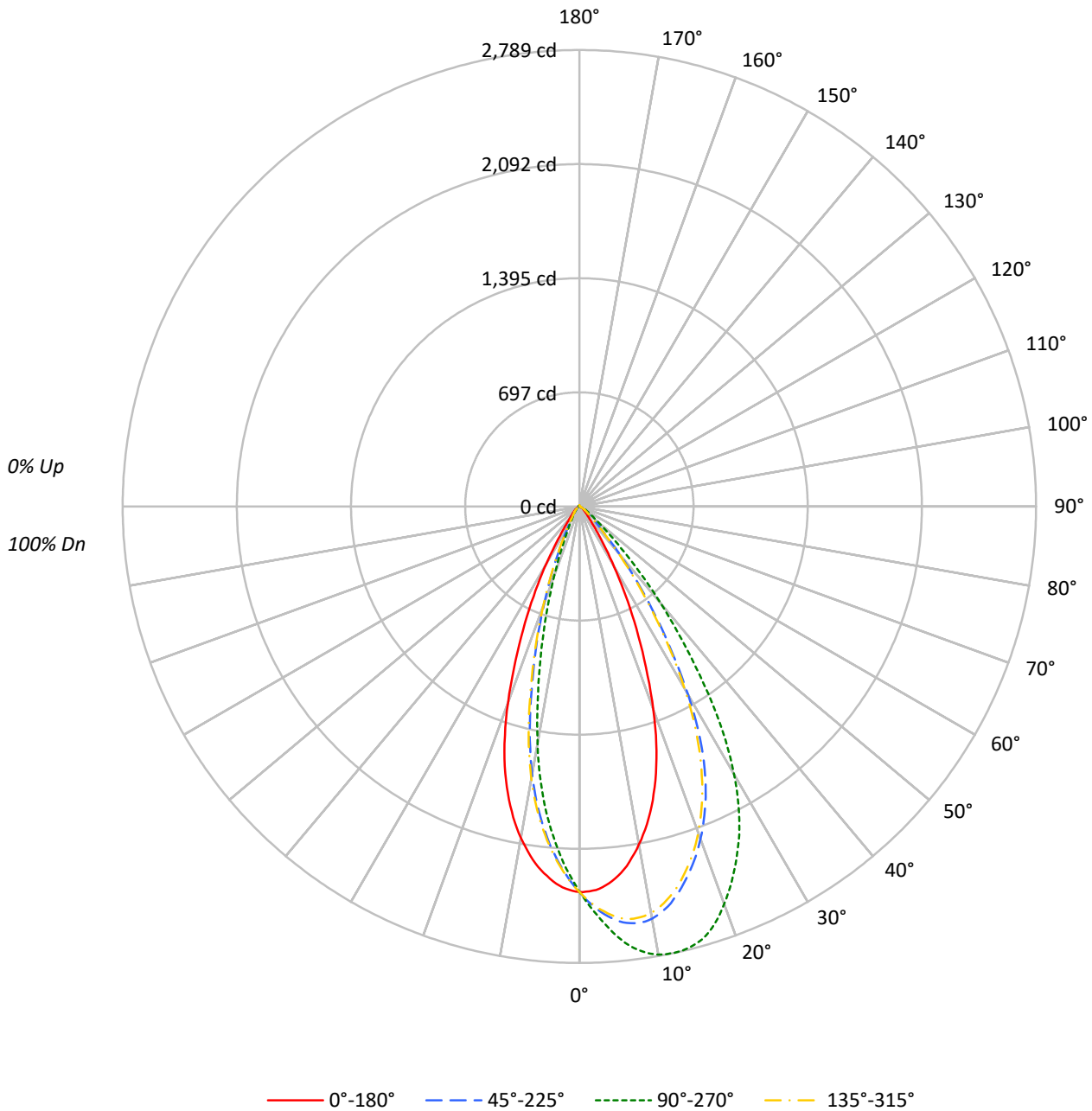
Summary

Lumens per Lamp: 1656.4 (1 lamp)
Luminaire Lumens: 1580.0 lumens
Efficiency: 95.4%
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.67 x H: 0)
CIE Type: Direct

Input Watts (W): 19.2
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: P888021
CATALOG NUMBER: RLS6159FS1EMBDMR-2700K

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
RCR																				
0	114	114	114	114	111	111	111	111	106	106	106	101	101	101	97	97	97	95		
1	108	106	104	101	106	104	102	100	100	98	97	96	95	94	93	92	91	89		
2	103	99	95	92	101	97	94	91	94	91	89	91	89	87	88	87	85	83		
3	98	92	88	84	96	91	87	83	88	85	82	86	83	81	84	82	79	78		
4	93	87	81	78	92	85	81	77	83	79	76	81	78	75	80	77	74	73		
5	89	81	76	72	87	80	75	72	79	74	71	77	73	70	76	72	70	68		
6	85	77	71	67	83	76	71	67	74	70	66	73	69	66	72	68	66	64		
7	81	72	67	63	80	72	66	63	70	66	62	69	65	62	68	65	62	60		
8	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	61	58	57		
9	74	65	59	56	73	64	59	56	64	59	56	63	58	55	62	58	55	54		
10	71	62	56	53	70	61	56	53	60	56	53	60	55	52	59	55	52	51		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	71905	71905	71905	71905
5°	70399	80776	69449	60727
10°	64994	86205	63711	45603
15°	56125	87375	54756	28108
20°	42974	84015	41363	14390
25°	27774	77273	26420	6215
30°	15039	66664	14147	3243
35°	6802	49551	6138	2143
40°	3691	30796	3236	1602
45°	2509	15768	2271	1166
50°	1914	7257	1700	655
55°	1299	4200	1262	378
60°	690	2986	666	159
65°	347	1589	318	58
70°	134	794	62	18
75°	47	318	0	0
80°	0	0	0	0
85°	0	0	0	35

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 15768 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	213.4	13.5	12.9
10°-20°	490.5	31.0	29.6
20°-30°	470.4	29.8	28.4
30°-40°	272.3	17.2	16.4
40°-50°	91.7	5.8	5.5
50°-60°	29.2	1.8	1.8
60°-70°	8.2	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°	0.1	0.0	0.0
140°-150°	0.5	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°	1174.3	74.3	70.9
0°-40°	1446.5	91.6	87.3
0°-60°	1567.4	99.2	94.6
0°-90°	1576.7	99.8	95.2
90°-120°	0.0	0.0	0.0
90°-150°	0.7	0.0	0.0
90°-180°	3.0	0.2	0.2
0°-180°	1580.0	100.0	95.4

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2355	2355	2355	2355	2355	
5°	2297	2636	2266	1982	2297	213
15°	1776	2764	1732	889	1776	485
25°	824	2294	784	184	824	376
35°	182	1330	165	58	182	127
45°	58	365	53	27	58	47
55°	24	79	24	7	24	22
65°	5	22	4	1	5	5
75°	0	3	0	0	0	0
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	4	6	4	1
175°	5	6	6	6	5	0
180°	5	5	5	5	5	



TEST NUMBER: P888021
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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2355.2	2355.2	2355.2	2355.2	2355.2	2355.2	2355.2	2355.2	2355.2	2355.2	2355.2
0.5°	2356.8	2372.5	2380.6	2387.2	2382.2	2381.0	2377.3	2364.0	2353.0	2344.2	2332.8
1°	2354.2	2383.9	2403.4	2416.8	2414.2	2407.7	2396.6	2373.2	2348.5	2326.8	2308.0
1.5°	2351.9	2394.4	2423.3	2444.3	2443.5	2435.4	2416.4	2380.4	2343.1	2309.3	2281.9
2°	2349.1	2402.0	2443.2	2469.6	2471.7	2461.6	2433.1	2387.0	2337.6	2289.9	2255.4
2.5°	2345.3	2410.8	2461.3	2495.9	2499.8	2487.1	2451.1	2392.1	2329.6	2270.9	2226.3
3°	2338.5	2416.7	2480.3	2521.5	2528.6	2509.2	2465.7	2394.1	2319.7	2250.5	2197.9
3.5°	2331.0	2422.0	2496.0	2546.8	2556.0	2533.0	2478.6	2396.1	2309.3	2227.7	2167.7
4°	2320.6	2425.0	2511.1	2571.0	2583.4	2555.5	2492.0	2395.7	2296.5	2204.3	2136.1
4.5°	2309.8	2426.4	2523.9	2594.7	2609.6	2577.5	2504.3	2394.9	2282.3	2180.2	2103.5
5°	2297.1	2426.0	2536.0	2617.0	2635.7	2598.5	2515.8	2391.9	2266.1	2155.5	2071.4
5.5°	2284.0	2424.4	2546.0	2636.4	2658.4	2618.0	2525.0	2389.4	2251.1	2129.4	2035.3
6°	2269.1	2420.7	2555.5	2653.6	2681.1	2635.3	2530.5	2385.6	2233.9	2102.2	1998.5
6.5°	2253.2	2416.4	2560.7	2669.9	2699.8	2652.1	2536.5	2378.1	2216.7	2074.6	1961.5
7°	2235.2	2410.4	2565.5	2684.4	2717.4	2666.5	2538.6	2369.8	2198.1	2045.9	1924.6
7.5°	2216.0	2402.5	2568.4	2698.2	2732.1	2677.8	2539.9	2359.4	2176.9	2016.1	1884.4
8°	2193.7	2392.3	2570.7	2709.3	2745.2	2687.7	2539.0	2347.3	2153.7	1984.8	1842.1
8.5°	2170.4	2380.3	2570.1	2716.7	2755.7	2694.2	2536.8	2334.2	2131.7	1953.7	1799.8
9°	2146.7	2365.4	2568.1	2722.9	2766.2	2699.4	2534.3	2320.1	2106.5	1917.9	1754.1
9.5°	2123.4	2350.4	2563.4	2728.7	2773.5	2704.1	2528.2	2303.4	2081.4	1882.7	1709.0
10°	2096.5	2334.0	2557.1	2732.1	2780.7	2706.6	2520.9	2286.8	2055.1	1845.7	1660.8
10.5°	2070.9	2316.6	2548.8	2732.4	2784.1	2707.1	2513.6	2268.7	2029.6	1809.1	1612.9
11°	2043.1	2296.6	2539.1	2731.8	2786.4	2705.1	2501.5	2248.5	2001.1	1769.0	1560.3
11.5°	2015.4	2275.7	2527.3	2729.0	2787.3	2702.3	2491.4	2227.6	1972.0	1728.0	1507.0
12°	1984.1	2253.8	2516.1	2726.2	2788.8	2698.5	2478.6	2207.0	1940.7	1686.0	1453.8
12.5°	1951.8	2231.9	2502.1	2721.3	2787.2	2694.3	2463.5	2183.2	1908.4	1642.9	1398.5
13°	1919.4	2209.4	2487.1	2716.9	2785.7	2688.4	2447.9	2159.9	1875.5	1596.2	1340.3
13.5°	1886.5	2184.9	2467.7	2708.5	2782.3	2681.0	2433.3	2136.4	1842.4	1548.9	1283.7
14°	1851.1	2158.5	2449.3	2702.2	2778.3	2668.9	2415.4	2111.6	1806.9	1499.1	1224.9
14.5°	1814.1	2132.0	2430.3	2689.7	2771.2	2658.5	2396.8	2083.9	1770.3	1448.9	1167.1
15°	1775.7	2105.9	2410.7	2677.0	2764.4	2648.0	2375.9	2054.8	1732.4	1397.1	1110.1
15.5°	1736.5	2077.9	2388.2	2660.8	2755.0	2632.7	2354.7	2026.5	1692.8	1344.5	1056.7
16°	1695.8	2049.5	2367.1	2645.9	2744.9	2616.5	2331.8	1997.9	1651.1	1290.0	1004.3
16.5°	1654.5	2019.8	2345.6	2629.3	2731.3	2598.7	2308.5	1967.1	1609.8	1236.1	953.5
17°	1610.3	1988.1	2322.0	2608.8	2716.4	2578.8	2284.9	1935.6	1565.7	1181.6	904.3
17.5°	1565.3	1955.8	2296.1	2586.9	2698.6	2558.3	2261.1	1903.5	1519.2	1128.3	855.9
18°	1520.5	1922.5	2271.8	2565.4	2679.4	2537.3	2235.7	1869.4	1471.5	1075.0	806.8
18.5°	1473.3	1889.5	2246.9	2541.0	2657.2	2515.8	2210.1	1833.9	1423.3	1024.4	759.8
19°	1423.5	1854.3	2219.6	2516.9	2634.9	2494.6	2183.0	1797.6	1374.5	975.4	713.3
19.5°	1373.5	1816.7	2191.0	2491.2	2610.4	2470.6	2153.8	1761.1	1324.4	926.4	667.6
20°	1322.7	1778.3	2163.0	2466.4	2585.9	2445.4	2122.2	1722.5	1273.1	879.4	624.0
20.5°	1270.9	1739.3	2134.5	2441.6	2559.9	2419.7	2090.4	1682.1	1221.8	831.9	581.6
21°	1217.8	1697.0	2103.6	2416.8	2533.6	2391.6	2057.8	1642.0	1170.0	786.8	541.1
21.5°	1165.0	1655.7	2070.5	2389.4	2506.4	2362.2	2025.4	1597.6	1117.8	742.3	503.1
22°	1113.8	1611.6	2037.7	2360.4	2478.9	2332.8	1991.2	1553.3	1067.7	698.8	466.0



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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°	1063.8	1566.7	2005.2	2328.9	2449.6	2303.2	1955.7	1507.9	1018.4	656.8	430.9
23°	1014.4	1520.5	1972.0	2299.0	2419.9	2273.1	1919.3	1462.9	970.0	615.3	396.9
23.5°	966.6	1471.6	1936.1	2267.3	2389.0	2241.1	1882.3	1413.7	921.7	575.0	364.9
24°	917.9	1420.3	1897.3	2235.2	2358.2	2206.9	1844.0	1365.8	875.3	537.4	335.7
24.5°	870.3	1369.1	1858.5	2201.7	2325.9	2170.9	1804.0	1314.1	829.1	499.4	306.0
25°	824.5	1316.2	1818.7	2167.7	2293.9	2133.1	1763.5	1265.5	784.3	463.1	278.9
25.5°	779.4	1262.8	1777.0	2132.3	2260.6	2097.9	1721.8	1211.9	740.5	428.3	253.7
26°	734.4	1209.2	1732.6	2095.2	2227.2	2061.7	1678.4	1162.3	698.8	395.7	232.1
26.5°	691.9	1156.2	1687.6	2058.0	2189.4	2023.2	1633.1	1110.0	656.0	362.4	210.1
27°	650.4	1105.5	1641.8	2020.3	2151.7	1984.0	1586.8	1059.6	616.1	332.2	191.9
27.5°	610.3	1054.8	1593.8	1979.7	2112.1	1942.2	1540.3	1010.4	578.1	304.0	175.6
28°	570.1	1005.5	1542.3	1935.8	2070.7	1898.4	1491.8	961.4	540.7	277.7	160.9
28.5°	533.3	956.8	1492.6	1892.2	2028.0	1853.9	1442.6	912.2	503.5	252.3	147.6
29°	495.9	908.2	1438.7	1846.1	1986.6	1808.7	1393.1	865.4	468.8	230.0	136.8
29.5°	461.2	861.6	1384.7	1797.8	1940.0	1761.0	1341.2	819.0	434.5	208.8	126.5
30°	426.6	814.6	1326.5	1747.7	1891.0	1712.4	1287.5	774.6	401.3	190.2	117.6
30.5°	395.0	770.5	1271.1	1696.9	1840.5	1661.1	1233.8	728.7	369.3	173.3	110.0
31°	363.3	724.3	1213.5	1644.7	1790.7	1609.5	1179.3	685.6	339.6	158.8	103.1
31.5°	334.8	682.8	1158.8	1591.2	1738.7	1556.4	1125.2	643.4	310.9	146.3	97.4
32°	306.9	641.3	1103.7	1534.5	1685.2	1502.4	1072.5	602.7	284.7	135.4	92.2
32.5°	281.5	602.2	1051.5	1476.0	1630.4	1446.8	1020.9	562.8	259.8	125.2	87.3
33°	257.3	562.2	999.0	1416.0	1573.2	1388.8	968.5	524.6	237.2	116.3	83.0
33.5°	236.0	526.5	949.5	1356.2	1514.0	1329.7	918.4	487.3	215.8	108.8	79.2
34°	216.4	490.3	899.4	1293.6	1455.3	1271.0	867.6	452.5	197.1	101.9	75.2
34.5°	198.3	454.7	848.9	1230.1	1392.2	1212.0	818.9	419.0	179.7	95.9	71.6
35°	182.5	419.2	799.5	1170.6	1329.5	1153.2	771.0	386.4	164.7	90.3	68.1
35.5°	168.5	388.6	753.4	1112.6	1266.7	1096.0	722.9	354.7	150.9	85.6	64.8
36°	155.9	358.3	707.8	1057.2	1206.6	1042.5	677.0	325.9	138.9	81.3	61.8
36.5°	144.9	329.0	662.2	1003.2	1147.2	988.1	632.8	298.1	128.2	77.5	59.1
37°	134.4	300.7	619.5	949.5	1090.2	935.6	589.9	272.4	118.8	73.7	56.9
37.5°	125.8	276.3	578.2	897.6	1035.3	884.0	549.5	248.3	111.0	70.1	54.7
38°	117.9	252.5	538.2	845.7	980.3	833.1	509.8	226.3	103.8	66.9	52.7
38.5°	110.5	230.5	499.1	795.2	926.3	782.5	472.0	205.7	97.3	63.5	50.8
39°	103.8	211.0	463.2	746.8	874.0	734.2	435.6	188.1	91.4	60.5	48.9
39.5°	97.9	192.8	426.8	699.0	822.8	687.1	400.9	172.5	86.0	57.7	47.2
40°	92.6	177.3	392.6	652.7	772.7	641.1	367.4	158.3	81.2	55.3	45.5
40.5°	87.6	162.9	360.2	607.9	725.0	596.1	335.4	145.5	77.1	53.0	43.9
41°	83.2	150.5	330.6	565.5	678.0	554.1	305.9	134.7	73.3	51.1	42.2
41.5°	79.3	139.2	301.9	524.0	633.0	514.3	278.8	124.8	69.7	49.3	40.5
42°	75.6	129.5	275.0	485.3	590.6	475.8	253.9	116.2	66.6	47.6	39.0
42.5°	72.4	121.0	250.9	448.6	550.7	438.4	231.8	108.9	63.6	45.9	37.2
43°	68.8	113.1	228.8	412.4	509.3	402.9	211.9	101.8	61.3	44.2	35.6
43.5°	65.7	105.9	208.7	377.5	470.5	369.0	193.5	95.6	58.9	42.8	34.2
44°	62.9	99.2	191.5	346.3	433.5	337.4	177.4	89.8	56.7	41.1	32.9
44.5°	60.4	93.5	176.3	316.1	399.5	308.1	162.9	84.7	54.6	39.6	31.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	58.1	88.3	162.4	288.8	365.2	280.6	149.8	80.0	52.6	38.0	30.2
45.5°	55.8	83.7	150.1	262.8	333.7	255.2	138.4	75.8	50.5	36.7	29.1
46°	53.7	79.4	139.2	240.3	304.3	233.1	127.7	72.1	48.5	35.2	28.3
46.5°	51.9	75.4	129.8	218.9	278.6	213.4	118.6	68.7	46.4	34.0	27.7
47°	50.0	71.8	121.6	200.9	253.0	195.2	110.9	65.5	44.4	32.8	26.5
47.5°	48.2	68.4	114.1	184.7	231.2	179.0	103.6	62.7	42.7	31.6	25.4
48°	46.6	65.6	106.8	170.6	212.1	164.5	97.0	59.8	40.9	30.7	24.5
48.5°	44.9	63.0	100.3	157.7	194.8	151.2	91.0	57.0	39.5	30.1	23.5
49°	43.4	60.3	94.6	146.7	179.1	139.6	85.3	54.4	38.2	28.9	22.7
49.5°	41.8	57.9	89.4	136.3	165.2	128.9	80.1	52.2	37.1	27.8	21.3
50°	40.3	55.7	84.5	127.1	152.8	119.7	75.8	50.4	35.8	26.7	20.5
50.5°	38.8	53.2	80.1	118.5	141.8	111.9	71.7	48.5	34.6	25.5	19.0
51°	37.5	50.9	76.0	110.7	131.3	104.8	68.0	46.6	33.0	24.5	18.0
51.5°	35.9	48.6	72.1	103.2	122.2	98.5	64.8	44.5	31.9	23.1	16.3
52°	34.5	46.6	68.4	96.4	114.5	92.5	62.0	42.9	30.6	22.0	14.7
52.5°	33.1	44.8	64.7	90.5	107.0	87.0	59.1	41.3	29.8	20.8	13.4
53°	31.6	42.9	61.4	85.5	100.2	81.9	56.6	39.6	28.2	19.6	11.9
53.5°	30.1	41.4	58.9	80.8	93.9	77.5	54.2	38.0	27.1	18.2	11.5
54°	28.5	39.9	56.5	76.5	88.1	73.6	52.1	36.6	25.8	16.4	10.4
54.5°	26.5	38.2	54.1	72.4	83.2	70.0	50.1	35.2	24.8	14.9	9.9
55°	24.4	36.7	51.8	68.8	78.9	66.5	48.1	33.8	23.7	13.7	9.2
55.5°	21.8	35.4	49.7	65.3	74.8	63.4	46.0	32.5	22.2	12.6	9.1
56°	19.4	34.0	47.5	61.9	70.9	60.5	44.0	31.0	20.5	11.7	7.9
56.5°	17.8	32.6	45.7	59.0	67.1	58.1	42.1	29.8	18.6	11.4	7.3
57°	16.6	30.7	43.8	56.2	63.8	56.0	40.3	28.1	16.8	10.4	6.8
57.5°	15.4	28.4	41.5	53.6	60.8	53.8	38.5	26.6	15.5	9.9	6.7
58°	14.5	25.9	39.1	51.1	58.3	51.6	37.1	25.3	14.2	9.2	5.6
58.5°	13.6	23.5	36.7	48.8	55.9	49.3	35.6	23.7	13.3	9.1	5.3
59°	12.8	21.6	34.1	46.6	53.4	47.1	34.4	21.9	12.5	8.0	4.5
59.5°	12.0	20.3	31.7	44.3	51.0	44.9	33.1	19.6	11.5	7.5	4.5
60°	11.3	18.5	29.2	42.3	48.9	42.7	31.5	17.4	10.9	6.6	3.6
60.5°	10.4	17.1	26.5	40.3	46.8	40.1	29.2	16.1	9.9	6.0	3.0
61°	9.7	16.0	24.5	37.4	44.5	37.3	25.5	14.7	9.4	5.2	2.8
61.5°	9.0	15.0	22.7	34.1	41.9	34.5	23.1	13.8	9.1	4.7	2.3
62°	8.4	14.0	21.3	30.7	38.2	31.4	20.9	12.7	8.2	4.5	2.3
62.5°	7.8	12.9	19.9	27.3	34.2	27.9	19.4	11.9	7.6	4.0	2.3
63°	7.2	11.9	18.8	25.3	30.4	25.1	18.2	11.3	6.9	3.1	1.5
63.5°	6.6	10.9	17.4	23.8	27.4	23.4	16.8	10.3	6.6	3.0	0.9
64°	5.9	10.0	15.9	22.3	25.2	21.9	16.0	9.4	5.6	2.6	0.7
64.5°	5.4	9.3	14.5	21.1	23.6	20.4	14.7	8.9	5.2	2.2	0.7
65°	4.8	8.4	13.3	19.5	22.0	19.1	13.6	7.9	4.4	1.7	0.6
65.5°	4.2	7.9	12.2	17.7	20.8	17.9	12.4	7.4	4.5	1.3	0.4
66°	3.8	7.3	11.1	15.9	19.2	16.3	11.3	6.8	3.2	0.9	0.1
66.5°	3.2	6.7	10.1	14.5	17.4	14.9	10.2	6.5	2.9	0.7	0.0
67°	2.9	6.1	9.5	13.3	15.8	13.8	9.3	5.6	2.5	0.7	0.0



TEST NUMBER: P888021
 CATALOG NUMBER: RLS6159FS1EMBDMR-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	2.6	5.6	8.5	12.1	14.0	12.5	8.7	5.4	2.1	0.7	0.0
68°	2.4	5.0	7.8	11.1	12.8	11.5	7.8	4.6	1.7	0.4	0.0
68.5°	2.0	4.5	7.2	10.2	11.6	10.1	7.0	4.1	1.3	0.1	0.0
69°	1.8	3.8	6.5	9.6	10.4	9.1	6.8	3.2	0.9	0.0	0.0
69.5°	1.6	3.4	5.9	8.5	9.4	8.2	5.7	2.8	0.7	0.0	0.0
70°	1.5	3.1	5.4	7.7	8.9	7.8	5.4	2.4	0.7	0.0	0.0
70.5°	1.3	2.6	4.8	7.2	7.8	6.8	4.7	2.0	0.6	0.0	0.0
71°	1.2	2.5	4.4	6.4	6.9	6.2	4.3	1.6	0.3	0.0	0.0
71.5°	1.0	2.0	4.0	5.8	6.8	5.4	3.9	1.2	0.0	0.0	0.0
72°	0.9	1.8	3.5	5.2	5.4	4.8	3.0	0.8	0.0	0.0	0.0
72.5°	0.7	1.7	3.0	4.8	4.8	4.6	2.6	0.6	0.0	0.0	0.0
73°	0.7	1.4	2.6	4.2	4.4	4.3	2.2	0.6	0.0	0.0	0.0
73.5°	0.6	1.3	2.4	3.8	4.2	3.3	2.2	0.5	0.0	0.0	0.0
74°	0.5	1.1	2.1	3.3	3.2	3.2	1.2	0.4	0.0	0.0	0.0
74.5°	0.4	0.9	1.8	2.9	3.0	2.2	1.0	0.4	0.0	0.0	0.0
75°	0.4	0.8	1.5	2.7	2.7	2.2	0.8	0.3	0.0	0.0	0.0
75.5°	0.2	0.7	1.3	2.5	2.5	2.1	0.7	0.2	0.0	0.0	0.0
76°	0.3	0.5	1.2	2.3	2.2	1.0	0.5	0.1	0.0	0.0	0.0
76.5°	0.2	0.5	1.0	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	0.7	1.2	0.7	0.7	0.0	0.0	0.0	0.0	0.0
78°	0.0	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	0.4	0.7	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	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.1	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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.1	0.1	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: P888021
 CATALOG NUMBER: RLS6159FS1EMBDMR-2700K

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: P888021
 CATALOG NUMBER: RLS6159FS1EMBDMR-2700K

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	0.1
123°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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	0.1	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	0.4
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.4
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	0.7



TEST NUMBER: P888021
 CATALOG NUMBER: RLS6159FS1EMBDNR-2700K

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	0.7
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	1.0
138°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.7	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	0.1	0.1	0.1	0.2	0.4	0.8	1.1
139.5°	0.0	0.0	0.0	0.0	0.1	0.1	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	0.2	0.5	0.9	1.3
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	1.0	1.4
141.5°	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.3	0.7	1.0	1.6
142°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.4	0.7	1.1	1.5
142.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.4	0.8	1.2	1.6
143°	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.4	0.8	1.2	1.7
143.5°	0.0	0.0	0.0	0.0	0.3	0.2	0.3	0.5	0.8	1.2	1.8
144°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.5	0.9	1.3	1.9
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	2.1
145.5°	0.0	0.0	0.0	0.0	0.2	0.3	0.5	0.6	1.0	1.6	2.2
146°	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.6	1.0	1.6	2.3
146.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.7	1.0	1.8	2.5
147°	0.0	0.0	0.0	0.0	0.4	0.4	0.6	0.7	1.2	1.9	2.6
147.5°	0.0	0.0	0.0	0.0	0.5	0.4	0.6	0.8	1.3	2.0	2.7
148°	0.0	0.0	0.0	0.0	0.5	0.5	0.6	0.9	1.4	2.2	2.7
148.5°	0.2	0.0	0.0	0.0	0.5	0.5	0.7	0.9	1.4	2.3	2.8
149°	0.4	0.0	0.0	0.0	0.6	0.6	0.7	0.9	1.5	2.4	2.9
149.5°	0.6	0.0	0.0	0.0	0.6	0.7	0.7	1.0	1.5	2.4	3.0
150°	0.6	0.0	0.0	0.0	0.7	0.6	0.7	1.0	1.6	2.4	3.0
150.5°	0.7	0.0	0.0	0.0	0.7	0.7	0.7	1.0	1.7	2.5	3.2
151°	0.7	0.0	0.0	0.0	0.7	0.8	0.9	1.2	1.8	2.5	3.3
151.5°	0.7	0.1	0.0	0.0	0.8	0.7	0.8	1.2	1.8	2.6	3.4
152°	0.8	0.1	0.0	0.0	0.9	0.9	0.9	1.1	1.9	2.6	3.5
152.5°	0.8	0.3	0.0	0.0	0.9	1.0	0.9	1.3	2.0	2.8	3.5
153°	0.8	0.5	0.0	0.0	1.0	1.0	1.0	1.3	2.0	2.9	3.7
153.5°	0.9	0.6	0.0	0.0	1.0	1.0	1.0	1.4	2.1	3.0	3.8
154°	1.1	0.6	0.1	0.0	1.1	1.0	1.1	1.5	2.2	3.1	4.0
154.5°	1.2	0.7	0.0	0.0	1.1	1.2	1.3	1.5	2.3	3.2	4.0
155°	1.7	0.7	0.0	0.0	1.2	1.2	1.3	1.7	2.4	3.2	4.0
155.5°	2.2	0.7	0.1	0.0	1.2	1.3	1.4	1.7	2.5	3.5	4.2
156°	2.3	0.8	0.2	0.0	1.3	1.4	1.5	1.8	2.6	3.5	4.3
156.5°	2.3	0.8	0.3	0.0	1.4	1.5	1.5	1.8	2.7	3.7	4.5
157°	2.3	0.9	0.4	0.0	1.4	1.5	1.6	2.0	2.8	3.7	4.7



TEST NUMBER: P888021
 CATALOG NUMBER: RLS6159FS1EMBDMR-2700K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P888021
CATALOG NUMBER: RLS6159FS1EMBDMR-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7



TEST NUMBER: P888021
 CATALOG NUMBER: RLS6159FS1EMBDMR-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2355.2	2355.2	2355.2	2355.2	2355.2	2355.2
0.5°	2327.3	2317.5	2322.7	2334.7	2341.3	2356.8
1°	2296.3	2286.0	2292.4	2310.4	2328.2	2354.2
1.5°	2265.3	2251.9	2261.4	2286.5	2314.1	2351.9
2°	2232.2	2218.2	2228.9	2260.6	2298.3	2349.1
2.5°	2199.2	2181.2	2195.9	2234.2	2281.0	2345.3
3°	2163.7	2143.8	2159.5	2205.8	2262.6	2338.5
3.5°	2129.5	2105.0	2123.1	2177.4	2244.1	2331.0
4°	2093.4	2064.2	2085.2	2145.8	2223.5	2320.6
4.5°	2054.0	2022.9	2049.4	2114.6	2201.7	2309.8
5°	2013.9	1981.5	2012.4	2081.7	2177.1	2297.1
5.5°	1972.4	1936.9	1972.6	2049.4	2151.9	2284.0
6°	1929.8	1892.8	1930.1	2014.9	2125.2	2269.1
6.5°	1886.1	1847.1	1888.2	1979.2	2097.7	2253.2
7°	1840.0	1798.6	1843.6	1942.7	2070.0	2235.2
7.5°	1793.5	1749.3	1797.5	1903.1	2041.1	2216.0
8°	1745.8	1698.3	1750.0	1863.2	2011.4	2193.7
8.5°	1697.1	1643.7	1700.8	1821.9	1980.4	2170.4
9°	1643.9	1588.0	1648.3	1778.7	1947.0	2146.7
9.5°	1591.8	1531.3	1595.3	1734.1	1913.4	2123.4
10°	1535.3	1471.0	1540.2	1686.5	1878.2	2096.5
10.5°	1479.5	1411.4	1483.7	1638.6	1841.3	2070.9
11°	1419.3	1350.0	1424.5	1588.9	1802.5	2043.1
11.5°	1359.7	1287.5	1362.4	1536.5	1763.2	2015.4
12°	1299.2	1226.2	1302.4	1484.7	1721.4	1984.1
12.5°	1238.0	1165.7	1242.4	1430.4	1676.6	1951.8
13°	1176.1	1108.2	1183.1	1374.4	1634.5	1919.4
13.5°	1118.5	1051.4	1123.5	1315.6	1587.9	1886.5
14°	1061.8	996.9	1067.2	1258.6	1541.0	1851.1
14.5°	1007.9	942.6	1012.0	1200.6	1492.1	1814.1
15°	953.3	889.3	957.1	1144.2	1442.3	1775.7
15.5°	902.0	836.2	903.3	1087.7	1389.1	1736.5
16°	851.4	785.5	851.8	1035.5	1337.3	1695.8
16.5°	802.5	736.9	800.1	982.3	1283.5	1654.5
17°	754.0	689.8	751.9	930.2	1228.8	1610.3
17.5°	706.8	643.2	704.3	879.2	1173.7	1565.3
18°	661.5	600.1	658.3	829.8	1121.1	1520.5
18.5°	617.6	557.2	614.6	781.4	1069.2	1473.3
19°	574.9	517.0	571.9	733.1	1017.3	1423.5
19.5°	533.9	479.3	531.2	686.8	967.6	1373.5
20°	494.3	442.9	492.5	643.0	917.3	1322.7
20.5°	457.6	408.5	454.8	599.8	869.7	1270.9
21°	422.0	374.9	418.3	558.6	822.7	1217.8
21.5°	387.9	343.1	384.0	518.1	774.9	1165.0
22°	356.0	314.0	351.9	479.9	727.8	1113.8



TEST NUMBER: P888021
 CATALOG NUMBER: RLS6159FS1EMBDMR-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	326.0	287.0	322.1	443.2	685.1	1063.8
23°	297.2	262.0	294.7	408.5	642.7	1014.4
23.5°	271.2	239.5	269.2	375.5	600.9	966.6
24°	247.0	218.9	245.7	343.5	560.0	917.9
24.5°	224.9	200.3	224.5	313.8	521.3	870.3
25°	204.8	184.5	205.6	286.7	484.2	824.5
25.5°	187.4	170.0	189.2	262.1	448.8	779.4
26°	172.6	157.2	174.5	239.5	414.2	734.4
26.5°	159.0	145.8	161.0	219.3	381.7	691.9
27°	146.9	135.2	148.9	200.5	350.5	650.4
27.5°	136.2	126.0	138.0	184.1	321.2	610.3
28°	126.3	117.9	128.8	169.2	293.9	570.1
28.5°	117.7	110.3	120.8	156.3	269.4	533.3
29°	110.5	103.3	113.3	144.7	246.3	495.9
29.5°	103.7	97.4	106.1	134.4	224.8	461.2
30°	97.6	92.0	100.0	125.3	205.3	426.6
30.5°	91.9	87.0	94.5	117.2	188.2	395.0
31°	86.6	82.4	89.6	109.6	173.2	363.3
31.5°	82.0	78.4	85.0	102.6	160.1	334.8
32°	77.8	74.4	80.8	96.1	147.9	306.9
32.5°	74.2	70.9	77.1	90.4	137.0	281.5
33°	70.7	67.4	73.3	85.2	127.5	257.3
33.5°	67.5	64.4	69.9	80.8	119.6	236.0
34°	64.4	61.7	66.6	76.8	112.2	216.4
34.5°	62.0	59.7	63.6	73.0	104.7	198.3
35°	59.4	57.5	60.9	69.5	98.4	182.5
35.5°	57.1	55.6	58.2	66.2	92.8	168.5
36°	54.8	53.6	55.9	63.5	87.7	155.9
36.5°	52.6	51.8	53.8	61.1	83.1	144.9
37°	50.4	50.0	51.7	58.8	78.9	134.4
37.5°	48.5	48.3	50.1	56.8	75.0	125.8
38°	46.7	46.5	48.2	54.6	71.4	117.9
38.5°	44.9	44.9	46.7	52.5	68.0	110.5
39°	43.3	43.4	45.2	50.6	64.8	103.8
39.5°	41.9	41.7	43.2	48.7	62.3	97.9
40°	40.5	40.2	41.3	47.1	59.9	92.6
40.5°	39.7	38.7	39.7	45.5	57.7	87.6
41°	38.4	37.2	38.4	44.2	55.6	83.2
41.5°	37.4	35.5	37.2	43.1	53.7	79.3
42°	36.2	34.0	36.0	41.6	52.0	75.6
42.5°	35.1	32.7	34.5	40.7	50.3	72.4
43°	33.9	31.5	33.2	39.5	48.5	68.8
43.5°	32.7	30.1	31.9	38.3	46.7	65.7
44°	31.5	29.1	30.9	37.1	45.2	62.9
44.5°	30.3	28.0	29.7	35.9	43.7	60.4



TEST NUMBER: P888021
 CATALOG NUMBER: RLS6159FS1EMBDMR-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	28.9	27.0	28.7	34.5	42.2	58.1
45.5°	27.9	26.2	27.5	33.2	40.5	55.8
46°	26.5	25.3	26.3	31.9	39.1	53.7
46.5°	25.5	24.3	24.9	30.8	37.9	51.9
47°	24.3	23.2	23.6	29.8	36.6	50.0
47.5°	23.3	21.9	22.2	28.8	35.6	48.2
48°	22.4	20.3	20.8	27.8	34.4	46.6
48.5°	21.3	18.5	19.5	26.9	33.2	44.9
49°	20.0	16.9	18.1	25.7	32.0	43.4
49.5°	18.3	15.1	16.5	24.5	30.8	41.8
50°	15.8	13.8	14.9	22.5	29.4	40.3
50.5°	13.8	12.9	13.5	19.9	28.1	38.8
51°	12.4	12.2	12.7	17.9	26.5	37.5
51.5°	11.8	11.5	12.0	15.7	25.1	35.9
52°	11.4	10.8	11.3	14.5	23.3	34.5
52.5°	10.4	10.1	10.6	13.5	21.5	33.1
53°	9.9	9.3	9.9	12.9	19.7	31.6
53.5°	9.1	8.6	9.2	12.3	17.7	30.1
54°	8.7	8.0	8.6	11.6	16.1	28.5
54.5°	7.8	7.5	8.0	10.8	14.8	26.5
55°	7.2	7.1	7.5	10.0	13.9	24.4
55.5°	6.7	6.4	7.0	9.4	13.0	21.8
56°	6.4	5.9	6.4	8.7	12.3	19.4
56.5°	5.4	5.3	5.9	8.0	11.8	17.8
57°	5.1	4.9	5.4	7.5	10.9	16.6
57.5°	4.4	4.3	4.8	6.9	10.3	15.4
58°	4.4	3.8	4.3	6.3	9.8	14.5
58.5°	3.4	3.5	3.9	5.7	9.1	13.6
59°	3.1	3.0	3.4	5.3	8.4	12.8
59.5°	2.5	2.6	3.1	4.8	7.8	12.0
60°	2.3	2.6	2.7	4.2	7.2	11.3
60.5°	2.2	2.2	2.4	3.7	6.6	10.4
61°	2.1	1.8	2.2	3.3	6.0	9.7
61.5°	1.2	1.7	2.0	3.0	5.3	9.0
62°	0.9	1.5	1.8	2.7	4.8	8.4
62.5°	0.7	1.4	1.6	2.4	4.2	7.8
63°	0.6	1.3	1.5	2.2	3.6	7.2
63.5°	0.5	1.1	1.3	1.9	3.3	6.6
64°	0.3	0.9	1.1	1.8	3.0	5.9
64.5°	0.2	0.8	1.0	1.5	2.7	5.4
65°	0.0	0.8	0.9	1.3	2.4	4.8
65.5°	0.0	0.5	0.7	1.3	2.2	4.2
66°	0.0	0.5	0.7	1.1	1.9	3.8
66.5°	0.0	0.4	0.5	0.9	1.6	3.2
67°	0.0	0.3	0.5	0.9	1.4	2.9



TEST NUMBER: P888021
 CATALOG NUMBER: RLS6159FS1EMBDMR-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.0	0.3	0.4	0.7	1.3	2.6
68°	0.0	0.2	0.4	0.6	1.3	2.4
68.5°	0.0	0.3	0.3	0.6	1.0	2.0
69°	0.0	0.2	0.3	0.5	0.9	1.8
69.5°	0.0	0.2	0.2	0.4	0.7	1.6
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	1.3
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	1.0
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	0.7
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	0.0
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: P888021
 CATALOG NUMBER: RLS6159FS1EMBDMR-2700K

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: P888021
 CATALOG NUMBER: RLS6159FS1EMBDNR-2700K

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°	0.1	0.0	0.0	0.0	0.0	0.0
117.5°	0.1	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°	0.1	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°	0.2	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°	0.3	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°	0.4	0.0	0.0	0.0	0.0	0.0
127.5°	0.4	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°	0.5	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°	0.7	0.0	0.0	0.0	0.0	0.0
132.5°	0.7	0.0	0.0	0.0	0.0	0.0
133°	0.7	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°	1.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P888021
 CATALOG NUMBER: RLS6159FS1EMBDMR-2700K

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	0.1	0.0	0.0	0.0
138.5°	1.5	0.6	0.4	0.0	0.0	0.0
139°	1.6	0.6	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°	1.8	0.8	0.7	0.0	0.0	0.0
141°	1.9	0.9	0.7	0.1	0.0	0.0
141.5°	2.0	0.9	0.8	0.1	0.0	0.0
142°	2.3	1.0	0.8	0.4	0.0	0.0
142.5°	2.3	1.0	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	1.4	1.0	0.7	0.1	0.0
144°	2.6	1.9	1.0	0.7	0.1	0.0
144.5°	2.6	2.3	1.5	0.7	0.1	0.0
145°	2.7	2.4	2.1	0.8	0.1	0.0
145.5°	2.9	2.4	2.4	0.8	0.5	0.0
146°	3.0	2.4	2.4	0.9	0.5	0.0
146.5°	3.0	2.4	2.4	0.9	0.6	0.0
147°	3.1	2.4	2.4	1.1	0.6	0.0
147.5°	3.2	2.4	2.4	1.4	0.7	0.0
148°	3.3	2.3	2.3	1.7	0.7	0.0
148.5°	3.4	2.3	2.3	1.8	0.7	0.2
149°	3.5	2.3	2.3	1.9	0.8	0.4
149.5°	3.6	2.3	2.3	2.0	1.0	0.6
150°	3.7	3.0	2.3	2.1	1.0	0.6
150.5°	3.8	3.1	2.3	2.2	1.0	0.7
151°	3.9	3.1	2.6	2.2	1.4	0.7
151.5°	4.0	3.2	2.9	2.2	2.1	0.7
152°	4.0	3.2	3.2	2.3	2.3	0.8
152.5°	4.1	3.3	3.2	2.3	2.3	0.8
153°	4.2	3.3	3.2	2.4	2.3	0.8
153.5°	4.2	3.3	3.2	2.4	2.3	0.9
154°	4.4	3.4	3.3	2.9	2.4	1.1
154.5°	4.5	3.4	3.3	3.2	2.4	1.2
155°	4.7	3.5	3.3	3.3	2.5	1.7
155.5°	4.8	3.5	3.3	3.3	2.5	2.2
156°	4.8	3.9	3.4	3.4	2.6	2.3
156.5°	4.8	4.6	3.5	3.4	2.6	2.3
157°	5.0	4.6	3.8	3.4	2.6	2.3



TEST NUMBER: P888021
 CATALOG NUMBER: RLS6159FS1EMBDMR-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	5.0	4.6	4.6	3.4	2.7	2.3
158°	5.1	4.6	4.7	3.8	2.8	2.3
158.5°	5.2	4.6	4.7	3.9	2.9	2.3
159°	5.3	4.6	4.8	4.3	3.0	2.3
159.5°	5.4	4.7	4.9	4.4	3.1	2.4
160°	5.5	4.7	4.9	4.5	3.2	2.4
160.5°	5.5	4.7	5.0	4.6	3.3	2.6
161°	5.5	4.7	5.1	4.6	3.4	3.0
161.5°	5.5	4.8	5.1	4.7	4.0	3.3
162°	5.5	4.8	5.2	4.6	4.1	3.3
162.5°	5.5	4.9	5.3	4.7	4.2	3.2
163°	5.5	4.9	5.3	4.7	4.2	3.2
163.5°	5.5	5.5	5.4	4.7	4.3	3.4
164°	5.5	5.5	5.6	5.1	4.4	3.5
164.5°	5.5	5.6	5.6	5.5	4.4	3.7
165°	5.5	5.6	5.6	5.5	4.5	3.8
165.5°	5.5	5.6	5.6	5.5	4.6	4.0
166°	5.5	5.6	5.7	5.5	4.6	4.1
166.5°	5.5	5.6	5.7	5.5	4.6	4.6
167°	5.5	5.6	5.7	5.5	4.7	4.7
167.5°	5.5	5.7	5.8	5.6	4.9	4.7
168°	5.5	5.7	5.7	5.6	5.1	4.7
168.5°	5.5	5.6	5.9	5.6	5.1	4.7
169°	5.5	5.6	5.9	5.6	5.4	4.7
169.5°	5.5	5.8	5.8	5.6	5.5	4.7
170°	5.5	5.7	6.0	5.7	5.5	4.7
170.5°	5.5	5.7	6.0	5.7	5.5	4.7
171°	5.5	5.7	6.1	5.7	5.5	4.7
171.5°	5.5	5.7	6.3	5.7	5.5	4.7
172°	5.5	5.7	6.4	5.7	5.5	4.7
172.5°	5.5	5.7	6.5	5.7	5.5	4.7
173°	5.5	5.7	6.6	5.8	5.5	4.7
173.5°	5.5	5.8	6.7	5.8	5.5	4.7
174°	5.5	5.8	6.6	5.8	5.5	4.7
174.5°	5.5	5.8	6.6	5.8	5.5	4.7
175°	5.5	5.8	6.5	5.8	5.5	4.7
175.5°	5.5	5.8	6.4	5.8	5.5	4.7
176°	5.4	5.8	6.3	5.8	5.5	4.7
176.5°	5.2	5.8	6.3	5.8	5.5	4.7
177°	4.8	5.8	6.2	5.8	5.5	4.7
177.5°	4.7	5.8	6.0	5.8	5.5	4.7
178°	4.7	5.8	6.0	5.8	5.5	4.7
178.5°	4.7	5.9	6.0	5.9	5.5	4.7
179°	4.7	5.9	5.9	5.8	5.5	4.7
179.5°	4.7	5.9	5.7	5.7	5.5	4.7



TEST NUMBER: P888021
CATALOG NUMBER: RLS6159FS1EMBDMR-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	4.7	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)