

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: P1590454

Luminaire Tested: HCDLS1525CSD4TRC-HI-3500K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2603928A002)
Test Lab: INNOVATION CENTER
Issue Date: 9/4/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: HCDLS1525CSD4TRC-HI-3500K
Description: 4" Selectable Round Trim + Specular Clear 2500 Lumens 3500K

Light Source:
Ballast/Driver: -

Summary

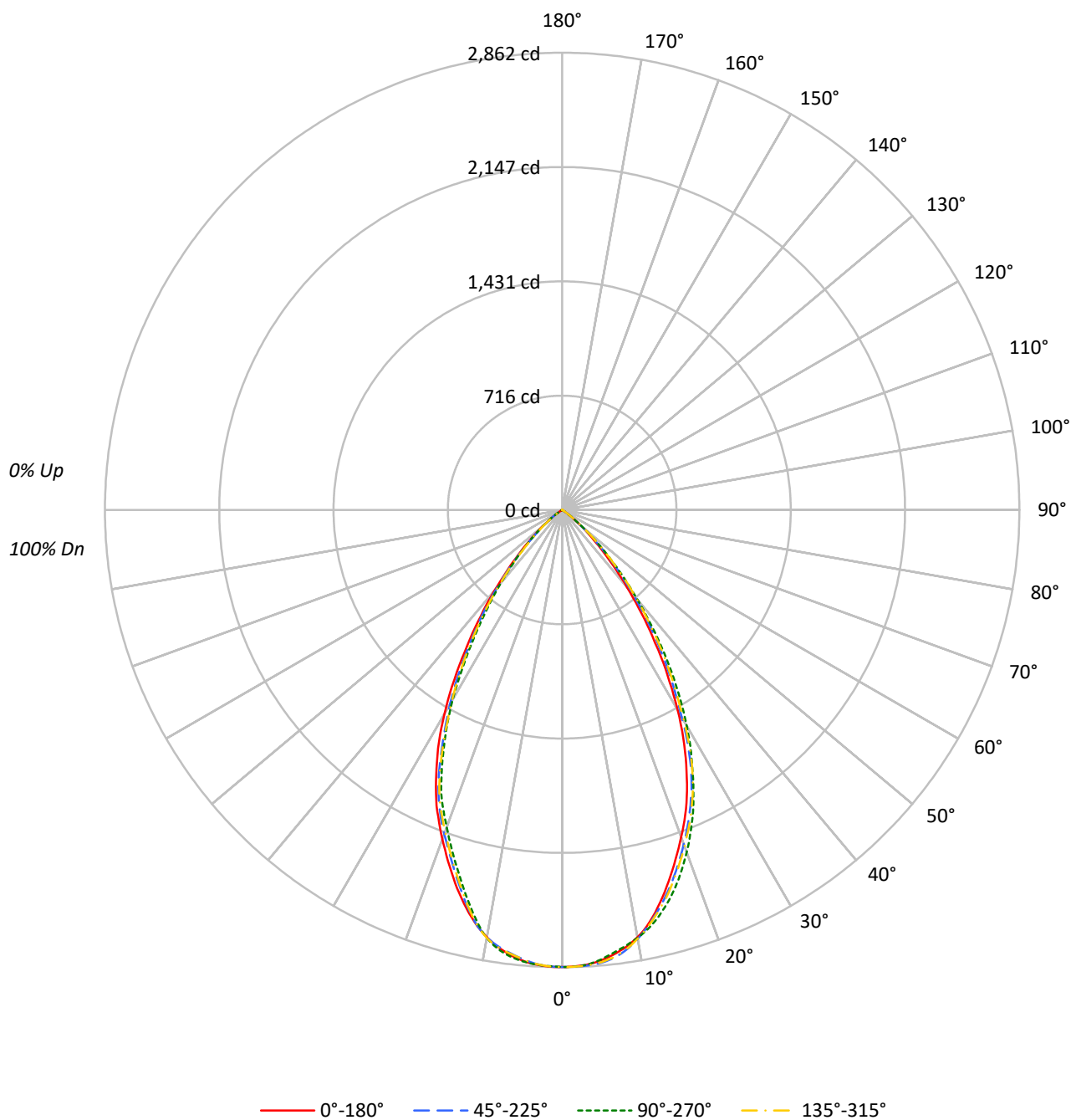
Lumens per Lamp: N/A
Luminaire Lumens: 2797.7 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 26.3
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	113	110	108	106	111	108	106	104	104	102	101	100	99	98	97	96	95	93		93
2	107	102	98	95	105	101	97	94	97	94	91	94	92	90	92	89	88	86		86
3	102	95	90	86	100	94	89	85	91	87	84	88	85	82	86	83	81	79		79
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73		73
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68		68
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63		63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	67	63	60	58		58
8	77	67	61	57	76	67	61	57	66	60	56	65	60	56	64	59	56	55		55
9	73	63	57	53	72	63	57	53	62	56	53	61	56	53	60	56	52	51		51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48		48

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	352880	352880	352880	352880
5°	350241	349498	350649	351107
10°	340187	340638	340125	340576
15°	316228	325129	317327	309154
20°	286006	299158	287857	277513
25°	251357	264559	254379	242266
30°	205665	222172	210109	194812
35°	152700	171899	155938	141573
40°	101859	118347	105933	95628
45°	59762	71676	63199	58419
50°	29225	33543	31317	30050
55°	9527	10129	10150	10301
60°	2220	2467	2294	2566
65°	1080	1255	1138	1284
70°	613	757	685	757
75°	334	477	381	477
80°	142	213	213	213
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 71676 cd/sqm

TEST NUMBER: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.8	9.5
10°-20°	692.8	24.8
20°-30°	846.4	30.3
30°-40°	644.8	23.0
40°-50°	287.5	10.3
50°-60°	52.1	1.9
60°-70°	4.5	0.2
70°-80°	1.0	0.0
80°-90°	0.1	0.0
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°	0.4	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	1806.0	64.6
0°-40°	2450.8	87.6
0°-60°	2790.3	99.7
0°-90°	2795.9	99.9
90°-120°	0.0	0.0
90°-150°	0.9	0.0
90°-180°	2.0	0.1
0°-180°	2797.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2861	2861	2861	2861	2861	
5°	2829	2823	2832	2836	2829	266
15°	2476	2546	2485	2421	2476	691
25°	1847	1944	1869	1780	1847	839
35°	1014	1142	1036	940	1014	634
45°	343	411	362	335	343	273
55°	44	47	47	48	44	49
65°	4	4	4	4	4	4
75°	1	1	1	1	1	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°	1	1	1	1	1	0
155°	1	1	1	1	1	0
165°	1	2	2	1	1	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	

TEST NUMBER: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9
0.5°	2861.4	2860.4	2860.6	2861.4	2860.4	2860.6	2861.9	2861.4	2861.4	2860.4	2860.4
1°	2860.1	2860.1	2860.6	2861.4	2860.4	2860.6	2861.1	2861.1	2860.4	2859.4	2859.4
1.5°	2858.6	2859.1	2860.1	2860.4	2859.4	2860.1	2860.4	2860.1	2859.4	2857.8	2857.8
2°	2856.6	2857.6	2859.4	2859.1	2857.6	2858.3	2859.4	2859.1	2857.3	2855.1	2855.6
2.5°	2854.1	2856.6	2858.1	2856.8	2855.1	2855.8	2858.3	2857.6	2854.8	2852.1	2852.6
3°	2851.3	2855.1	2856.3	2853.8	2851.3	2852.8	2855.8	2855.8	2852.1	2847.8	2848.3
3.5°	2846.8	2853.3	2854.3	2850.1	2846.3	2848.8	2853.1	2853.3	2848.8	2842.5	2843.0
4°	2841.8	2850.8	2852.3	2845.0	2839.5	2843.3	2850.3	2850.8	2844.0	2836.0	2836.7
4.5°	2835.5	2847.3	2849.0	2838.7	2831.5	2836.5	2846.0	2847.3	2838.7	2828.4	2829.7
5°	2828.7	2843.0	2844.0	2831.0	2822.7	2828.2	2840.8	2843.3	2832.0	2820.2	2821.9
5.5°	2820.9	2837.2	2838.5	2822.9	2813.1	2819.7	2834.5	2837.7	2824.9	2811.1	2813.9
6°	2812.9	2830.2	2831.7	2813.6	2803.1	2810.1	2827.4	2831.2	2816.4	2801.8	2805.1
6.5°	2803.6	2822.2	2823.9	2804.3	2792.8	2800.3	2819.2	2823.4	2806.8	2792.3	2796.3
7°	2793.8	2812.4	2814.1	2794.3	2782.7	2790.3	2809.6	2814.1	2796.5	2782.0	2787.2
7.5°	2783.0	2801.3	2803.1	2783.5	2772.7	2779.5	2799.1	2803.3	2786.2	2771.7	2777.4
8°	2772.2	2789.3	2790.5	2771.7	2762.4	2768.4	2787.0	2790.5	2773.9	2761.1	2767.4
8.5°	2759.6	2775.4	2776.7	2759.4	2752.1	2757.6	2773.4	2777.2	2760.9	2749.3	2756.3
9°	2746.3	2760.1	2761.1	2746.5	2741.5	2745.3	2758.4	2761.6	2747.0	2737.2	2744.3
9.5°	2731.5	2743.3	2744.5	2732.7	2731.0	2732.5	2742.5	2744.5	2732.5	2723.9	2731.2
10°	2716.1	2725.4	2726.4	2717.9	2719.7	2718.7	2725.2	2726.4	2715.6	2709.9	2716.4
10.5°	2699.1	2706.1	2707.1	2702.1	2707.4	2704.6	2707.1	2706.6	2697.8	2693.0	2698.8
11°	2680.0	2685.7	2686.7	2685.2	2693.8	2689.0	2687.8	2686.7	2679.2	2675.4	2679.5
11.5°	2659.1	2663.6	2666.1	2667.7	2679.2	2672.9	2667.9	2665.6	2659.1	2655.8	2657.9
12°	2635.7	2640.8	2644.5	2648.1	2663.9	2655.6	2647.8	2643.8	2637.8	2633.0	2632.7
12.5°	2611.6	2617.2	2621.4	2629.2	2646.3	2636.5	2626.7	2621.2	2613.6	2608.4	2604.6
13°	2586.3	2593.3	2598.8	2608.6	2628.7	2617.7	2604.8	2597.1	2590.8	2582.7	2577.2
13.5°	2559.9	2567.9	2575.5	2588.0	2609.4	2598.3	2582.5	2573.7	2565.4	2555.6	2548.3
14°	2532.5	2542.0	2551.8	2565.7	2588.8	2577.0	2559.6	2548.6	2539.8	2527.7	2518.2
14.5°	2505.0	2515.9	2527.7	2543.5	2567.7	2555.4	2535.5	2523.7	2512.1	2498.8	2487.8
15°	2476.4	2489.3	2502.4	2520.2	2546.1	2532.2	2512.4	2498.1	2485.0	2469.5	2456.4
15.5°	2447.1	2462.0	2477.2	2495.8	2523.4	2508.9	2487.0	2471.9	2457.3	2440.0	2425.0
16°	2418.2	2434.0	2450.9	2469.7	2499.2	2484.3	2461.6	2444.5	2428.7	2409.2	2394.1
16.5°	2389.2	2406.4	2424.3	2444.6	2474.7	2459.0	2434.7	2416.9	2399.7	2379.0	2363.5
17°	2359.5	2378.4	2397.2	2418.3	2449.2	2432.8	2407.7	2388.8	2370.3	2348.8	2332.9
17.5°	2329.2	2349.7	2369.0	2391.2	2422.9	2406.1	2380.6	2359.6	2340.7	2318.7	2302.3
18°	2298.8	2320.4	2340.5	2363.0	2394.9	2379.1	2352.0	2331.0	2311.5	2288.7	2272.1
18.5°	2268.8	2290.7	2312.1	2334.7	2367.1	2350.8	2323.8	2302.6	2281.9	2258.6	2242.5
19°	2238.8	2261.1	2284.2	2306.2	2337.9	2322.2	2295.9	2273.6	2251.3	2229.3	2212.7
19.5°	2209.1	2231.8	2255.5	2277.3	2309.4	2293.5	2267.7	2243.8	2221.9	2200.1	2186.2
20°	2178.9	2201.8	2226.7	2248.1	2279.1	2264.8	2239.4	2215.6	2193.0	2171.0	2157.6
20.5°	2149.1	2172.8	2197.6	2218.7	2249.4	2235.6	2210.3	2187.6	2162.6	2141.8	2129.0
21°	2118.9	2142.3	2167.9	2188.4	2219.0	2205.0	2181.5	2158.5	2132.3	2112.7	2100.4
21.5°	2089.1	2112.5	2138.8	2157.9	2186.5	2173.5	2152.6	2129.4	2102.0	2083.5	2071.8
22°	2057.6	2081.4	2108.1	2125.8	2154.0	2141.9	2123.7	2100.3	2071.6	2054.4	2040.3

TEST NUMBER: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	2026.1	2051.3	2077.5	2094.9	2121.6	2110.3	2094.9	2071.1	2043.8	2022.0	2009.2
23°	1991.8	2018.8	2046.6	2060.4	2089.1	2078.7	2066.0	2038.9	2010.8	1987.7	1976.7
23.5°	1957.7	1986.7	2015.1	2028.1	2056.6	2047.1	2033.2	2007.2	1976.6	1953.2	1942.2
24°	1921.7	1953.2	1982.0	1992.1	2018.8	2011.7	2001.2	1974.5	1941.2	1917.9	1904.8
24.5°	1885.0	1918.4	1949.8	1957.5	1982.1	1976.4	1968.2	1940.5	1905.4	1880.2	1865.9
25°	1846.9	1882.4	1915.6	1920.0	1943.9	1940.0	1934.2	1906.3	1869.1	1842.0	1825.6
25.5°	1809.4	1846.5	1880.8	1884.4	1906.7	1903.3	1899.0	1871.4	1832.2	1802.7	1783.4
26°	1771.3	1808.9	1844.4	1846.7	1869.2	1866.1	1863.3	1835.1	1795.2	1763.2	1739.0
26.5°	1734.4	1771.1	1807.2	1808.6	1831.2	1828.2	1825.7	1796.9	1756.8	1722.7	1694.6
27°	1694.5	1732.4	1766.8	1770.5	1793.0	1789.7	1786.9	1758.4	1719.0	1681.5	1650.8
27.5°	1655.2	1693.6	1725.0	1731.5	1756.1	1751.9	1747.0	1719.0	1681.0	1639.1	1608.4
28°	1614.4	1654.1	1681.6	1691.9	1718.1	1713.6	1704.0	1678.4	1641.3	1597.6	1566.3
28.5°	1573.6	1611.3	1636.5	1651.1	1679.9	1673.7	1661.3	1636.6	1601.1	1555.0	1524.0
29°	1530.6	1570.5	1591.0	1610.5	1641.1	1634.7	1616.7	1593.4	1559.9	1513.5	1483.9
29.5°	1488.7	1527.8	1543.7	1569.5	1601.5	1594.1	1571.2	1548.7	1517.8	1472.5	1443.4
30°	1444.0	1483.5	1497.7	1526.9	1559.9	1553.0	1523.7	1502.6	1475.2	1431.3	1402.9
30.5°	1400.9	1437.2	1452.1	1482.6	1518.5	1510.0	1477.3	1456.1	1430.9	1389.7	1361.9
31°	1357.7	1392.5	1408.0	1438.8	1476.6	1467.6	1432.3	1409.6	1387.7	1349.4	1320.1
31.5°	1315.1	1345.4	1364.8	1394.6	1434.9	1424.2	1388.4	1362.9	1342.9	1308.9	1278.3
32°	1271.9	1299.8	1323.2	1349.9	1392.6	1380.2	1346.2	1318.1	1300.5	1268.8	1235.8
32.5°	1230.3	1253.2	1281.4	1305.9	1351.7	1336.6	1304.0	1274.3	1254.6	1227.8	1193.8
33°	1188.5	1210.4	1241.5	1262.2	1310.6	1292.0	1264.4	1231.3	1209.8	1188.0	1151.0
33.5°	1146.5	1165.0	1200.8	1218.4	1268.9	1248.2	1223.9	1189.6	1165.0	1146.5	1108.0
34°	1105.1	1123.8	1160.6	1177.1	1226.4	1205.5	1184.1	1148.6	1122.0	1105.3	1067.7
34.5°	1063.1	1080.8	1118.9	1136.0	1183.9	1163.4	1144.0	1108.3	1077.7	1063.5	1026.4
35°	1014.1	1039.6	1077.5	1096.1	1141.6	1122.2	1103.8	1069.2	1035.6	1020.8	988.0
35.5°	975.2	999.9	1037.6	1057.2	1099.4	1081.5	1063.0	1028.6	994.5	979.1	950.5
36°	936.4	960.2	998.2	1020.0	1056.3	1041.8	1022.6	988.0	955.2	938.2	913.8
36.5°	897.5	920.5	958.9	981.2	1014.1	1001.5	982.3	947.8	914.4	897.8	876.7
37°	858.7	880.8	919.5	942.5	972.0	962.5	942.3	908.1	875.6	858.4	841.4
37.5°	818.4	841.1	880.2	903.7	930.7	923.9	902.9	867.7	837.8	819.2	805.1
38°	779.0	805.1	840.8	865.0	890.4	885.8	865.9	829.2	800.6	782.1	769.5
38.5°	740.8	768.2	804.6	826.7	849.8	847.3	828.7	791.8	763.6	745.6	733.3
39°	704.2	733.2	769.6	789.8	810.9	811.3	793.5	755.2	728.1	710.1	698.6
39.5°	667.8	697.8	733.8	752.8	772.5	773.6	758.4	720.3	692.7	673.9	663.9
40°	632.6	664.1	698.9	716.5	735.0	737.8	723.8	686.9	657.9	639.0	630.0
40.5°	599.2	631.6	665.0	681.1	698.7	700.3	689.1	653.2	623.5	604.9	596.5
41°	566.5	598.9	630.9	646.6	662.6	665.3	655.1	621.0	590.1	571.8	564.5
41.5°	534.4	566.9	596.5	612.9	628.4	630.0	621.3	589.5	558.1	539.3	533.9
42°	504.3	537.3	564.6	580.5	594.8	596.4	587.7	559.3	527.0	507.3	504.2
42.5°	475.1	507.1	532.5	548.2	562.3	562.6	554.3	528.6	497.1	477.1	474.2
43°	446.7	477.6	501.3	515.3	530.4	530.4	522.0	499.3	468.4	448.0	445.3
43.5°	418.7	447.9	470.7	483.8	498.9	498.1	490.6	470.1	439.6	419.9	416.2
44°	392.7	419.8	442.6	452.8	468.2	468.0	460.5	442.2	413.2	393.3	389.5
44.5°	367.2	392.7	414.3	422.6	438.9	437.6	430.8	414.1	387.1	367.7	361.7

TEST NUMBER: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	342.6	366.8	387.3	393.4	410.9	409.0	402.6	387.5	362.3	342.9	335.7
45.5°	318.9	341.1	361.3	364.5	382.6	380.1	375.4	361.5	338.3	319.2	310.2
46°	297.1	317.1	335.6	337.5	355.9	353.2	348.8	336.4	314.6	296.8	287.6
46.5°	275.3	293.2	310.4	311.2	329.4	326.3	323.6	311.7	292.8	277.2	267.2
47°	255.1	271.8	286.2	286.5	305.2	300.8	298.3	288.3	273.2	257.6	246.8
47.5°	235.3	250.0	262.6	262.5	282.9	278.8	276.4	267.6	253.9	238.1	226.5
48°	217.3	230.2	240.4	240.1	260.6	256.7	254.6	247.0	234.4	218.5	206.2
48.5°	199.5	210.3	218.9	218.8	238.3	234.7	232.7	226.3	215.0	199.0	189.6
49°	183.1	192.5	198.4	199.2	216.1	212.6	210.9	205.7	195.6	182.7	174.5
49.5°	167.6	175.3	178.9	180.5	193.9	190.7	189.1	185.2	179.0	167.1	160.6
50°	152.3	159.0	160.7	162.6	174.8	172.4	170.7	167.9	163.2	152.8	147.5
50.5°	137.9	142.8	144.0	145.8	156.5	155.0	153.4	151.5	148.2	139.2	135.2
51°	124.9	128.6	128.7	130.2	140.0	139.2	137.6	136.1	133.8	126.6	123.6
51.5°	112.1	115.0	114.3	115.7	124.3	124.1	123.0	121.7	120.5	114.7	112.7
52°	100.4	102.4	101.3	102.6	110.0	110.1	109.1	108.4	107.5	103.3	102.3
52.5°	90.3	92.1	91.1	92.0	96.6	97.0	96.2	95.7	95.4	92.6	92.0
53°	80.1	81.7	80.8	81.5	84.4	85.2	84.5	84.0	83.9	82.1	82.2
53.5°	69.9	71.4	70.5	70.9	73.1	73.9	73.7	73.2	73.5	72.4	72.9
54°	59.8	61.0	60.2	60.4	63.1	64.0	64.0	63.1	63.6	63.3	64.1
54.5°	51.7	50.7	49.9	50.0	54.4	55.3	55.2	54.3	54.9	55.0	55.9
55°	44.3	43.5	42.8	43.0	47.1	47.8	47.7	47.0	47.2	47.3	48.4
55.5°	37.8	36.8	36.2	36.1	40.2	41.0	40.9	40.1	40.3	40.7	41.6
56°	31.2	30.2	29.6	29.5	33.6	34.0	34.0	35.7	35.3	36.1	34.9
56.5°	25.3	24.4	23.9	24.0	29.7	30.1	30.1	31.4	30.4	31.6	30.7
57°	20.5	19.7	19.3	19.6	25.8	26.2	26.2	27.0	25.5	27.1	26.5
57.5°	16.9	16.4	16.1	16.4	21.9	22.4	22.3	22.6	20.5	22.5	22.4
58°	14.4	13.9	13.7	14.1	18.0	18.5	18.4	18.2	15.6	18.0	18.2
58.5°	12.4	12.0	11.9	12.2	14.1	14.7	14.5	13.9	13.5	13.4	14.1
59°	10.8	10.5	10.4	10.7	12.4	12.9	12.8	12.1	11.8	11.7	12.1
59.5°	9.9	9.6	9.6	9.9	11.1	11.5	11.4	10.8	10.4	10.4	10.7
60°	9.0	8.8	8.7	9.0	10.0	10.4	10.2	9.7	9.3	9.2	9.5
60.5°	8.1	7.9	7.9	8.1	9.0	9.4	9.2	8.7	8.4	8.3	8.6
61°	7.2	7.0	7.0	7.3	8.2	8.5	8.4	7.9	7.6	7.5	7.7
61.5°	6.6	6.4	6.4	6.7	7.5	7.8	7.7	7.2	6.9	6.8	7.1
62°	6.0	5.9	5.9	6.1	6.9	7.2	7.0	6.6	6.3	6.2	6.4
62.5°	5.5	5.4	5.4	5.6	6.3	6.6	6.5	6.0	5.8	5.7	5.9
63°	5.1	4.9	5.0	5.2	5.8	6.1	5.9	5.6	5.3	5.3	5.4
63.5°	4.7	4.6	4.6	4.8	5.4	5.6	5.5	5.1	4.9	4.9	5.0
64°	4.3	4.2	4.2	4.4	5.0	5.2	5.1	4.8	4.5	4.5	4.6
64.5°	4.0	3.9	3.9	4.1	4.6	4.9	4.7	4.4	4.2	4.2	4.3
65°	3.7	3.6	3.6	3.8	4.3	4.5	4.4	4.1	3.9	3.9	4.0
65.5°	3.4	3.3	3.4	3.5	4.0	4.2	4.1	3.8	3.6	3.6	3.7
66°	3.2	3.1	3.1	3.3	3.7	3.9	3.8	3.5	3.4	3.3	3.4
66.5°	2.9	2.9	2.9	3.1	3.5	3.6	3.5	3.3	3.1	3.1	3.2
67°	2.7	2.7	2.7	2.8	3.2	3.4	3.3	3.0	2.9	2.9	3.0

TEST NUMBER: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	2.5	2.5	2.5	2.6	3.0	3.2	3.1	2.8	2.7	2.7	2.8
68°	2.3	2.3	2.3	2.5	2.8	2.9	2.8	2.6	2.5	2.5	2.6
68.5°	2.2	2.1	2.2	2.3	2.6	2.7	2.6	2.5	2.3	2.3	2.4
69°	2.0	2.0	2.0	2.1	2.4	2.6	2.5	2.3	2.2	2.2	2.2
69.5°	1.9	1.8	1.9	2.0	2.3	2.4	2.3	2.1	2.0	2.0	2.1
70°	1.7	1.7	1.7	1.8	2.1	2.2	2.1	2.0	1.9	1.9	1.9
70.5°	1.6	1.6	1.6	1.7	2.0	2.1	2.0	1.8	1.7	1.7	1.8
71°	1.5	1.4	1.5	1.6	1.8	1.9	1.8	1.7	1.6	1.6	1.7
71.5°	1.4	1.3	1.4	1.5	1.7	1.8	1.7	1.6	1.5	1.5	1.5
72°	1.3	1.2	1.3	1.4	1.6	1.6	1.6	1.5	1.4	1.4	1.4
72.5°	1.2	1.1	1.2	1.2	1.4	1.5	1.5	1.3	1.3	1.3	1.3
73°	1.1	1.0	1.1	1.1	1.3	1.4	1.3	1.2	1.2	1.2	1.2
73.5°	1.0	0.9	1.0	1.1	1.2	1.3	1.2	1.1	1.1	1.1	1.1
74°	0.9	0.9	0.9	1.0	1.1	1.2	1.1	1.1	1.0	1.0	1.0
74.5°	0.8	0.8	0.8	0.9	1.0	1.1	1.1	1.0	0.9	0.9	0.9
75°	0.7	0.7	0.7	0.8	1.0	1.0	1.0	0.9	0.8	0.8	0.9
75.5°	0.7	0.6	0.7	0.7	0.9	0.9	0.9	0.8	0.8	0.8	0.8
76°	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7
76.5°	0.5	0.5	0.5	0.6	0.7	0.8	0.7	0.7	0.6	0.6	0.7
77°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.6	0.6	0.6	0.6
77.5°	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
78°	0.4	0.4	0.4	0.4	0.5	0.6	0.5	0.5	0.4	0.4	0.5
78.5°	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4
79°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.4	0.4
79.5°	0.3	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3
80°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
80.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2
81°	0.1	0.1	0.1	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2
81.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2
82°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
82.5°	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
83°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
83.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	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: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	0.0	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	0.1	0.1	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	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	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
110.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	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	0.0	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	0.0	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°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1
123.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
124°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
124.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2
127°	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2
127.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
128°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
128.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
129°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
129.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
130°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
130.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
131°	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
131.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
132°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
132.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
133°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
133.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
134°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
134.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4

TEST NUMBER: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
135.5°	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5
136°	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
136.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
137°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
137.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
138°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6
138.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
139°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
139.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
140°	0.5	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.7	0.7
140.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7
141°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
141.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
142°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.8	0.8
142.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.8	0.8	0.8	0.8	0.8
143°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
143.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
144°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.9
144.5°	0.6	0.5	0.5	0.5	0.8	0.8	0.8	0.9	0.9	0.9	0.9
145°	0.6	0.6	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
145.5°	0.6	0.6	0.5	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9
146°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9
146.5°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	1.0	1.0	1.0
147°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
148°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
148.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.1	1.1	1.1
149°	0.6	0.6	0.6	0.6	1.0	1.1	1.1	1.1	1.1	1.1	1.1
149.5°	0.7	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150°	0.7	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150.5°	0.7	0.7	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
151°	0.7	0.7	0.6	0.6	1.1	1.1	1.1	1.1	1.2	1.2	1.2
151.5°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2
152°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2
152.5°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2
153°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.2	1.3	1.2
153.5°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.3	1.3	1.3	1.3
154°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
154.5°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
155°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
155.5°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
156°	0.8	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.4	1.4	1.4
156.5°	0.8	0.7	0.7	0.7	1.3	1.3	1.3	1.4	1.4	1.4	1.4
157°	0.8	0.8	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4

TEST NUMBER: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.8	0.8	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
158°	0.8	0.8	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
158.5°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
159°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.4	1.4	1.5	1.4
159.5°	0.8	0.8	0.8	0.8	1.4	1.4	1.4	1.4	1.5	1.5	1.5
160°	0.8	0.8	0.8	0.8	1.4	1.5	1.5	1.5	1.5	1.5	1.5
160.5°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
161°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
161.5°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
162°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
162.5°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
163°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
163.5°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
164°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
164.5°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
165°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
165.5°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
166°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
166.5°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
167°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
167.5°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
168°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
168.5°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
169°	0.8	0.8	0.8	0.8	1.4	1.4	1.5	1.5	1.5	1.5	1.5
169.5°	0.8	0.8	0.8	0.8	1.4	1.4	1.5	1.5	1.5	1.5	1.4
170°	0.8	0.8	0.8	0.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4
170.5°	0.8	0.8	0.8	0.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4
171°	0.8	0.8	0.8	0.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4
171.5°	0.8	0.8	0.8	0.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4
172°	0.8	0.8	0.8	0.8	1.3	1.4	1.4	1.4	1.4	1.4	1.4
172.5°	0.8	0.8	0.8	0.8	1.3	1.3	1.4	1.4	1.4	1.3	1.3
173°	0.8	0.8	0.8	0.8	1.3	1.3	1.3	1.4	1.3	1.3	1.3
173.5°	0.8	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3	1.3	1.3
174°	0.8	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3	1.3	1.3
174.5°	0.8	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3	1.3	1.3
175°	0.8	0.8	0.8	0.8	1.2	1.3	1.3	1.3	1.3	1.3	1.3
175.5°	0.8	0.8	0.8	0.8	1.2	1.2	1.3	1.3	1.3	1.2	1.2
176°	0.8	0.8	0.8	0.8	1.2	1.2	1.3	1.2	1.2	1.2	1.2
176.5°	0.9	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2
177°	0.9	0.9	0.9	0.9	1.2	1.2	1.2	1.2	1.2	1.2	1.2
177.5°	0.9	0.9	0.9	0.9	1.2	1.2	1.2	1.2	1.2	1.2	1.2
178°	0.9	0.9	0.9	0.9	1.1	1.2	1.2	1.2	1.2	1.2	1.1
178.5°	1.0	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.1	1.1
179°	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
179.5°	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1



TEST NUMBER: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TEST NUMBER: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9
0.5°	2861.1	2859.1	2860.1	2861.1	2860.9	2861.4
1°	2860.4	2858.3	2859.4	2859.9	2859.6	2860.1
1.5°	2859.1	2857.1	2858.3	2858.1	2857.6	2858.6
2°	2857.6	2855.6	2856.1	2855.1	2854.8	2856.6
2.5°	2854.8	2853.8	2853.8	2852.1	2851.8	2854.1
3°	2852.3	2852.1	2851.3	2847.8	2846.8	2851.3
3.5°	2848.5	2849.0	2847.5	2842.8	2841.0	2846.8
4°	2844.3	2845.3	2843.3	2836.7	2834.7	2841.8
4.5°	2838.5	2841.0	2838.2	2830.2	2827.7	2835.5
5°	2832.5	2835.7	2832.7	2822.7	2819.7	2828.7
5.5°	2826.2	2830.0	2826.4	2815.1	2811.4	2820.9
6°	2818.9	2823.2	2819.7	2807.3	2802.3	2812.9
6.5°	2810.9	2815.9	2811.9	2799.3	2794.0	2803.6
7°	2802.3	2806.6	2803.6	2790.8	2784.5	2793.8
7.5°	2793.0	2796.8	2793.5	2782.2	2775.4	2783.0
8°	2782.5	2785.2	2782.7	2771.7	2765.4	2772.2
8.5°	2771.4	2772.2	2770.2	2761.4	2754.8	2759.6
9°	2758.1	2756.6	2756.1	2748.8	2743.0	2746.3
9.5°	2743.5	2739.5	2739.8	2735.2	2730.0	2731.5
10°	2726.4	2719.2	2720.9	2718.7	2715.6	2716.1
10.5°	2706.8	2696.8	2699.1	2701.1	2699.6	2699.1
11°	2685.0	2671.4	2674.9	2680.0	2681.2	2680.0
11.5°	2659.1	2643.0	2647.6	2656.1	2660.4	2659.1
12°	2631.7	2612.6	2618.4	2629.0	2636.0	2635.7
12.5°	2602.3	2582.5	2588.0	2601.1	2609.9	2611.6
13°	2572.4	2550.6	2556.4	2571.2	2583.5	2586.3
13.5°	2541.5	2519.7	2524.7	2540.5	2555.4	2559.9
14°	2510.0	2486.7	2492.6	2509.2	2525.7	2532.5
14.5°	2477.7	2454.3	2460.3	2478.2	2495.8	2505.0
15°	2445.6	2421.0	2427.2	2445.6	2465.4	2476.4
15.5°	2414.2	2389.2	2395.5	2415.2	2434.2	2447.1
16°	2383.0	2357.7	2364.6	2383.4	2403.1	2418.2
16.5°	2351.6	2327.6	2333.8	2353.0	2373.8	2389.2
17°	2321.4	2296.2	2302.5	2322.8	2343.0	2359.5
17.5°	2291.5	2265.5	2273.0	2292.1	2313.3	2329.2
18°	2261.6	2234.6	2242.1	2261.8	2282.2	2298.8
18.5°	2230.9	2204.1	2211.6	2232.1	2252.0	2268.8
19°	2202.0	2173.9	2182.4	2202.1	2221.3	2238.8
19.5°	2173.7	2143.0	2152.8	2172.8	2191.6	2209.1
20°	2145.5	2114.2	2124.3	2143.3	2161.1	2178.9
20.5°	2117.2	2084.0	2094.7	2114.8	2131.4	2149.1
21°	2089.0	2055.4	2065.6	2084.7	2101.3	2118.9
21.5°	2060.8	2025.4	2036.4	2055.2	2070.7	2089.1
22°	2031.7	1996.2	2007.3	2025.2	2041.0	2057.6

TEST NUMBER: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	2001.7	1965.9	1976.6	1995.3	2009.2	2026.1
23°	1969.0	1933.5	1943.6	1962.9	1975.6	1991.8
23.5°	1933.6	1898.4	1909.1	1928.4	1941.9	1957.7
24°	1897.6	1860.6	1872.5	1891.7	1905.3	1921.7
24.5°	1860.3	1819.2	1834.4	1852.2	1866.8	1885.0
25°	1821.3	1780.1	1794.5	1811.5	1826.4	1846.9
25.5°	1780.4	1740.1	1754.1	1769.1	1786.2	1809.4
26°	1739.5	1700.5	1713.1	1725.5	1744.6	1771.3
26.5°	1696.9	1659.2	1671.4	1681.7	1701.9	1734.4
27°	1653.1	1620.2	1629.4	1637.2	1657.4	1694.5
27.5°	1608.8	1580.2	1585.8	1592.7	1614.0	1655.2
28°	1563.4	1538.9	1542.3	1548.9	1572.8	1614.4
28.5°	1518.6	1497.5	1499.6	1505.4	1531.4	1573.6
29°	1475.2	1455.4	1456.8	1463.1	1490.9	1530.6
29.5°	1432.4	1411.8	1413.9	1421.3	1451.0	1488.7
30°	1389.8	1367.8	1369.8	1380.4	1411.8	1444.0
30.5°	1347.0	1322.2	1326.0	1339.0	1371.3	1400.9
31°	1305.5	1278.7	1282.3	1297.6	1331.1	1357.7
31.5°	1263.7	1233.9	1239.2	1256.4	1290.0	1315.1
32°	1222.8	1190.4	1196.7	1214.9	1247.7	1271.9
32.5°	1182.0	1147.8	1154.7	1173.4	1205.5	1230.3
33°	1141.1	1105.9	1114.0	1131.8	1162.9	1188.5
33.5°	1099.8	1063.0	1074.0	1089.3	1119.7	1146.5
34°	1059.3	1015.9	1036.4	1048.9	1076.5	1105.1
34.5°	1018.8	978.0	997.2	1010.4	1035.1	1063.1
35°	979.8	940.2	958.0	971.9	995.8	1014.1
35.5°	940.4	902.4	918.8	933.4	956.5	975.2
36°	903.0	864.6	879.6	895.0	917.2	936.4
36.5°	865.1	828.0	840.4	856.5	877.9	897.5
37°	827.8	791.9	803.1	820.3	838.7	858.7
37.5°	791.1	756.7	766.5	784.4	802.2	818.4
38°	755.4	723.2	730.2	749.9	766.1	779.0
38.5°	720.7	690.0	695.1	714.7	729.6	740.8
39°	686.8	658.0	663.2	680.7	694.6	704.2
39.5°	653.2	625.5	630.7	646.0	659.2	667.8
40°	619.8	593.9	599.0	612.8	624.0	632.6
40.5°	588.3	563.9	568.3	579.6	588.9	599.2
41°	557.2	534.9	539.1	547.4	555.9	566.5
41.5°	527.3	506.7	510.3	516.5	522.9	534.4
42°	498.0	479.7	482.3	486.6	491.8	504.3
42.5°	469.1	453.6	455.2	456.3	461.2	475.1
43°	441.7	428.5	428.7	429.1	432.7	446.7
43.5°	415.2	403.8	403.3	400.9	404.6	418.7
44°	390.1	380.0	378.9	374.3	377.8	392.7
44.5°	365.7	357.0	355.6	348.1	351.6	367.2

TEST NUMBER: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	342.0	334.9	332.8	323.6	326.5	342.6
45.5°	319.5	313.6	311.4	299.8	303.0	318.9
46°	297.8	293.4	290.8	277.3	280.5	297.1
46.5°	277.5	273.5	270.9	255.9	258.8	275.3
47°	258.8	254.5	251.7	236.3	238.4	255.1
47.5°	240.1	236.2	233.3	218.0	219.6	235.3
48°	221.5	218.7	215.8	200.7	202.3	217.3
48.5°	202.9	202.3	199.3	185.0	186.1	199.5
49°	186.5	186.4	183.5	170.6	170.5	183.1
49.5°	170.9	171.2	168.4	157.2	157.1	167.6
50°	156.7	156.6	153.8	144.4	144.0	152.3
50.5°	143.0	142.7	140.3	132.4	131.8	137.9
51°	130.2	129.5	127.6	121.1	120.0	124.9
51.5°	118.1	116.9	115.5	110.3	109.3	112.1
52°	106.7	105.1	103.9	99.8	99.9	100.4
52.5°	95.6	95.2	94.3	90.5	90.3	90.3
53°	85.2	85.2	84.6	81.2	80.6	80.1
53.5°	75.6	75.3	75.0	71.9	71.0	69.9
54°	66.3	65.3	65.3	62.7	61.4	59.8
54.5°	57.6	55.4	55.7	54.7	53.2	51.7
55°	49.9	47.9	48.2	47.5	45.8	44.3
55.5°	43.2	41.2	41.7	40.8	39.6	37.8
56°	36.6	34.5	35.0	34.4	33.1	31.2
56.5°	32.2	28.4	29.0	28.2	27.0	25.3
57°	27.8	23.3	23.7	23.1	21.9	20.5
57.5°	23.5	19.5	19.9	19.3	18.2	16.9
58°	19.2	16.6	17.0	16.4	15.4	14.4
58.5°	14.9	14.4	14.8	14.3	13.3	12.4
59°	12.9	12.6	13.0	12.5	11.6	10.8
59.5°	11.4	11.2	11.6	11.1	10.3	9.9
60°	10.2	10.4	10.4	10.3	9.5	9.0
60.5°	9.2	9.6	9.6	9.5	8.7	8.1
61°	8.3	8.7	8.9	8.7	7.9	7.2
61.5°	7.5	7.9	8.1	7.9	7.1	6.6
62°	6.9	7.1	7.4	7.0	6.4	6.0
62.5°	6.3	6.5	6.8	6.5	5.9	5.5
63°	5.8	6.0	6.3	6.0	5.4	5.1
63.5°	5.4	5.6	5.8	5.5	5.0	4.7
64°	4.9	5.1	5.4	5.1	4.6	4.3
64.5°	4.6	4.8	5.0	4.7	4.3	4.0
65°	4.2	4.4	4.6	4.4	4.0	3.7
65.5°	3.9	4.1	4.3	4.1	3.7	3.4
66°	3.7	3.8	4.0	3.8	3.4	3.2
66.5°	3.4	3.6	3.7	3.5	3.2	2.9
67°	3.2	3.3	3.5	3.3	2.9	2.7

TEST NUMBER: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	2.9	3.1	3.2	3.0	2.7	2.5
68°	2.7	2.9	3.0	2.8	2.5	2.3
68.5°	2.5	2.7	2.8	2.6	2.3	2.2
69°	2.4	2.5	2.6	2.4	2.2	2.0
69.5°	2.2	2.3	2.4	2.3	2.0	1.9
70°	2.0	2.1	2.2	2.1	1.9	1.7
70.5°	1.9	2.0	2.1	1.9	1.7	1.6
71°	1.8	1.9	1.9	1.8	1.6	1.5
71.5°	1.6	1.7	1.8	1.7	1.5	1.4
72°	1.5	1.6	1.7	1.6	1.4	1.3
72.5°	1.4	1.5	1.5	1.4	1.3	1.2
73°	1.3	1.4	1.4	1.3	1.2	1.1
73.5°	1.2	1.3	1.3	1.2	1.1	1.0
74°	1.1	1.2	1.2	1.1	1.0	0.9
74.5°	1.0	1.1	1.1	1.0	0.9	0.8
75°	0.9	1.0	1.0	1.0	0.8	0.7
75.5°	0.9	0.9	0.9	0.9	0.8	0.7
76°	0.8	0.8	0.9	0.8	0.7	0.6
76.5°	0.7	0.7	0.8	0.7	0.6	0.5
77°	0.6	0.7	0.7	0.7	0.6	0.5
77.5°	0.6	0.6	0.6	0.6	0.5	0.4
78°	0.5	0.6	0.6	0.5	0.5	0.4
78.5°	0.5	0.5	0.5	0.5	0.4	0.3
79°	0.4	0.4	0.5	0.4	0.4	0.3
79.5°	0.4	0.4	0.4	0.4	0.3	0.3
80°	0.3	0.3	0.4	0.3	0.3	0.2
80.5°	0.3	0.3	0.3	0.3	0.2	0.2
81°	0.2	0.2	0.3	0.2	0.2	0.1
81.5°	0.2	0.2	0.2	0.2	0.1	0.1
82°	0.2	0.2	0.2	0.2	0.1	0.1
82.5°	0.1	0.1	0.1	0.1	0.1	0.1
83°	0.1	0.1	0.1	0.1	0.0	0.0
83.5°	0.1	0.1	0.1	0.1	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	0.0	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	0.0	0.0	0.0	0.0
87.5°	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
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: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0
90.5°	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	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	0.0	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
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: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0
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°	0.0	0.1	0.1	0.1	0.0	0.0
120.5°	0.0	0.1	0.1	0.1	0.1	0.1
121°	0.0	0.1	0.1	0.1	0.1	0.1
121.5°	0.0	0.1	0.1	0.1	0.1	0.1
122°	0.0	0.1	0.1	0.1	0.1	0.1
122.5°	0.1	0.1	0.1	0.1	0.1	0.1
123°	0.1	0.1	0.1	0.1	0.1	0.1
123.5°	0.1	0.1	0.1	0.1	0.1	0.1
124°	0.1	0.1	0.1	0.1	0.1	0.1
124.5°	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.2	0.1	0.1	0.1	0.1
125.5°	0.1	0.2	0.2	0.2	0.1	0.1
126°	0.2	0.2	0.2	0.2	0.2	0.2
126.5°	0.2	0.2	0.2	0.2	0.2	0.2
127°	0.2	0.2	0.2	0.2	0.2	0.2
127.5°	0.2	0.2	0.2	0.2	0.2	0.2
128°	0.2	0.2	0.2	0.2	0.2	0.2
128.5°	0.2	0.2	0.2	0.2	0.2	0.2
129°	0.2	0.2	0.2	0.2	0.2	0.2
129.5°	0.3	0.2	0.2	0.2	0.2	0.2
130°	0.3	0.3	0.3	0.2	0.2	0.2
130.5°	0.3	0.3	0.3	0.3	0.3	0.2
131°	0.3	0.3	0.3	0.3	0.3	0.3
131.5°	0.3	0.3	0.3	0.3	0.3	0.3
132°	0.3	0.3	0.3	0.3	0.3	0.3
132.5°	0.4	0.3	0.3	0.3	0.3	0.3
133°	0.4	0.3	0.3	0.3	0.3	0.3
133.5°	0.4	0.3	0.3	0.3	0.3	0.3
134°	0.4	0.3	0.3	0.3	0.3	0.3
134.5°	0.4	0.4	0.4	0.3	0.3	0.3

TEST NUMBER: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.5	0.4	0.4	0.4	0.4	0.3
135.5°	0.5	0.4	0.4	0.4	0.4	0.4
136°	0.5	0.4	0.4	0.4	0.4	0.4
136.5°	0.5	0.4	0.4	0.4	0.4	0.4
137°	0.5	0.4	0.4	0.4	0.4	0.4
137.5°	0.6	0.4	0.4	0.4	0.4	0.4
138°	0.6	0.4	0.4	0.4	0.4	0.4
138.5°	0.6	0.4	0.4	0.4	0.4	0.4
139°	0.6	0.5	0.4	0.4	0.4	0.4
139.5°	0.6	0.5	0.5	0.5	0.4	0.4
140°	0.7	0.5	0.5	0.5	0.5	0.5
140.5°	0.7	0.5	0.5	0.5	0.5	0.5
141°	0.7	0.5	0.5	0.5	0.5	0.5
141.5°	0.7	0.5	0.5	0.5	0.5	0.5
142°	0.8	0.5	0.5	0.5	0.5	0.5
142.5°	0.8	0.5	0.5	0.5	0.5	0.5
143°	0.8	0.5	0.5	0.5	0.5	0.5
143.5°	0.8	0.5	0.5	0.5	0.5	0.5
144°	0.9	0.6	0.6	0.6	0.5	0.5
144.5°	0.9	0.6	0.6	0.6	0.6	0.6
145°	0.9	0.6	0.6	0.6	0.6	0.6
145.5°	0.9	0.6	0.6	0.6	0.6	0.6
146°	1.0	0.6	0.6	0.6	0.6	0.6
146.5°	1.0	0.6	0.6	0.6	0.6	0.6
147°	1.0	0.6	0.6	0.6	0.6	0.6
147.5°	1.0	0.6	0.6	0.6	0.6	0.6
148°	1.0	0.6	0.6	0.6	0.6	0.6
148.5°	1.1	0.6	0.6	0.6	0.6	0.6
149°	1.1	0.6	0.6	0.7	0.6	0.6
149.5°	1.1	0.7	0.7	0.7	0.7	0.7
150°	1.1	0.7	0.7	0.7	0.7	0.7
150.5°	1.2	0.7	0.7	0.7	0.7	0.7
151°	1.2	0.7	0.7	0.7	0.7	0.7
151.5°	1.2	0.7	0.7	0.7	0.7	0.7
152°	1.2	0.7	0.7	0.7	0.7	0.7
152.5°	1.2	0.7	0.7	0.7	0.7	0.7
153°	1.3	0.7	0.7	0.7	0.7	0.7
153.5°	1.3	0.7	0.7	0.7	0.7	0.7
154°	1.3	0.7	0.7	0.7	0.7	0.7
154.5°	1.3	0.7	0.7	0.7	0.7	0.7
155°	1.3	0.7	0.7	0.7	0.7	0.7
155.5°	1.3	0.7	0.7	0.8	0.8	0.7
156°	1.4	0.7	0.7	0.8	0.8	0.8
156.5°	1.4	0.7	0.7	0.8	0.8	0.8
157°	1.4	0.7	0.8	0.8	0.8	0.8

TEST NUMBER: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.4	0.7	0.8	0.8	0.8	0.8
158°	1.4	0.7	0.8	0.8	0.8	0.8
158.5°	1.4	0.8	0.8	0.8	0.8	0.8
159°	1.4	0.8	0.8	0.8	0.8	0.8
159.5°	1.5	0.8	0.8	0.8	0.8	0.8
160°	1.5	0.8	0.8	0.8	0.8	0.8
160.5°	1.5	0.8	0.8	0.8	0.8	0.8
161°	1.5	0.8	0.8	0.8	0.8	0.8
161.5°	1.5	0.8	0.8	0.8	0.8	0.8
162°	1.5	0.8	0.8	0.8	0.8	0.8
162.5°	1.5	0.8	0.8	0.8	0.8	0.8
163°	1.5	0.8	0.8	0.8	0.8	0.8
163.5°	1.5	0.8	0.8	0.8	0.8	0.8
164°	1.5	0.8	0.8	0.8	0.8	0.8
164.5°	1.5	0.8	0.8	0.8	0.8	0.8
165°	1.5	0.8	0.8	0.8	0.8	0.8
165.5°	1.5	0.8	0.8	0.8	0.8	0.8
166°	1.5	0.8	0.8	0.8	0.8	0.8
166.5°	1.5	0.8	0.8	0.8	0.8	0.8
167°	1.5	0.8	0.8	0.8	0.8	0.8
167.5°	1.5	0.8	0.8	0.8	0.8	0.8
168°	1.5	0.8	0.8	0.8	0.8	0.8
168.5°	1.5	0.8	0.8	0.8	0.8	0.8
169°	1.5	0.8	0.8	0.8	0.8	0.8
169.5°	1.4	0.8	0.8	0.8	0.8	0.8
170°	1.4	0.8	0.8	0.8	0.8	0.8
170.5°	1.4	0.8	0.8	0.8	0.8	0.8
171°	1.4	0.8	0.8	0.8	0.8	0.8
171.5°	1.4	0.8	0.8	0.8	0.8	0.8
172°	1.4	0.8	0.8	0.8	0.8	0.8
172.5°	1.3	0.8	0.8	0.8	0.8	0.8
173°	1.3	0.8	0.8	0.8	0.8	0.8
173.5°	1.3	0.8	0.8	0.8	0.8	0.8
174°	1.3	0.8	0.8	0.8	0.8	0.8
174.5°	1.3	0.8	0.8	0.8	0.8	0.8
175°	1.3	0.8	0.8	0.8	0.8	0.8
175.5°	1.2	0.8	0.8	0.8	0.8	0.8
176°	1.2	0.8	0.8	0.9	0.8	0.8
176.5°	1.2	0.9	0.9	0.9	0.9	0.9
177°	1.2	0.9	0.9	0.9	0.9	0.9
177.5°	1.2	0.9	0.9	0.9	0.9	0.9
178°	1.1	1.0	1.0	1.0	1.0	0.9
178.5°	1.1	1.0	1.0	1.0	1.0	1.0
179°	1.1	1.0	1.0	1.0	1.0	1.0
179.5°	1.1	1.1	1.1	1.1	1.1	1.0



TEST NUMBER: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	1.1	1.1	1.1	1.1	1.1	1.1

TEST NUMBER: P1590454

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3500K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	5.9	6.9	6.3	7.3	7.6	6.9	7.9	7.3	8.3	8.6
	3H	5.8	6.8	6.2	7.1	7.5	6.8	7.7	7.2	8.1	8.5
	4H	5.8	6.6	6.2	7.0	7.4	6.8	7.6	7.2	8.0	8.4
	6H	5.7	6.4	6.1	6.8	7.2	6.7	7.4	7.1	7.8	8.2
	8H	5.6	6.3	6.0	6.7	7.1	6.6	7.3	7.0	7.7	8.1
	12H	5.6	6.2	6.0	6.6	7.1	6.6	7.2	7.0	7.6	8.1
4H	2H	5.7	6.6	6.1	6.9	7.3	6.7	7.5	7.1	7.9	8.3
	3H	5.7	6.4	6.1	6.8	7.2	6.7	7.3	7.1	7.7	8.1
	4H	5.6	6.2	6.0	6.6	7.1	6.6	7.2	7.0	7.6	8.0
	6H	5.5	6.0	6.0	6.5	6.9	6.5	7.0	6.9	7.4	7.9
	8H	5.4	5.9	5.9	6.4	6.8	6.4	6.9	6.9	7.3	7.8
	12H	5.4	5.8	5.9	6.3	6.8	6.3	6.8	6.8	7.2	7.7
8H	4H	5.4	5.9	5.9	6.4	6.8	6.4	6.9	6.9	7.3	7.8
	6H	5.3	5.7	5.8	6.2	6.7	6.3	6.7	6.8	7.2	7.7
	8H	5.3	5.6	5.8	6.1	6.6	6.2	6.6	6.8	7.1	7.6
	12H	5.2	5.5	5.7	6.0	6.6	6.2	6.5	6.7	7.0	7.5
12H	4H	5.4	5.8	5.9	6.3	6.8	6.3	6.8	6.8	7.2	7.7
	6H	5.3	5.6	5.8	6.1	6.6	6.2	6.6	6.8	7.0	7.6
	8H	5.2	5.5	5.7	6.0	6.6	6.2	6.5	6.7	7.0	7.5

(END OF REPORT)