

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: P1590455

Luminaire Tested: HCDLS1525CSD4TRC-HI-4000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590455
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-4000K
Description: 4" Selectable Round Trim + Specular Clear 2500 Lumens 4000K

Light Source:
Ballast/Driver: -

Summary

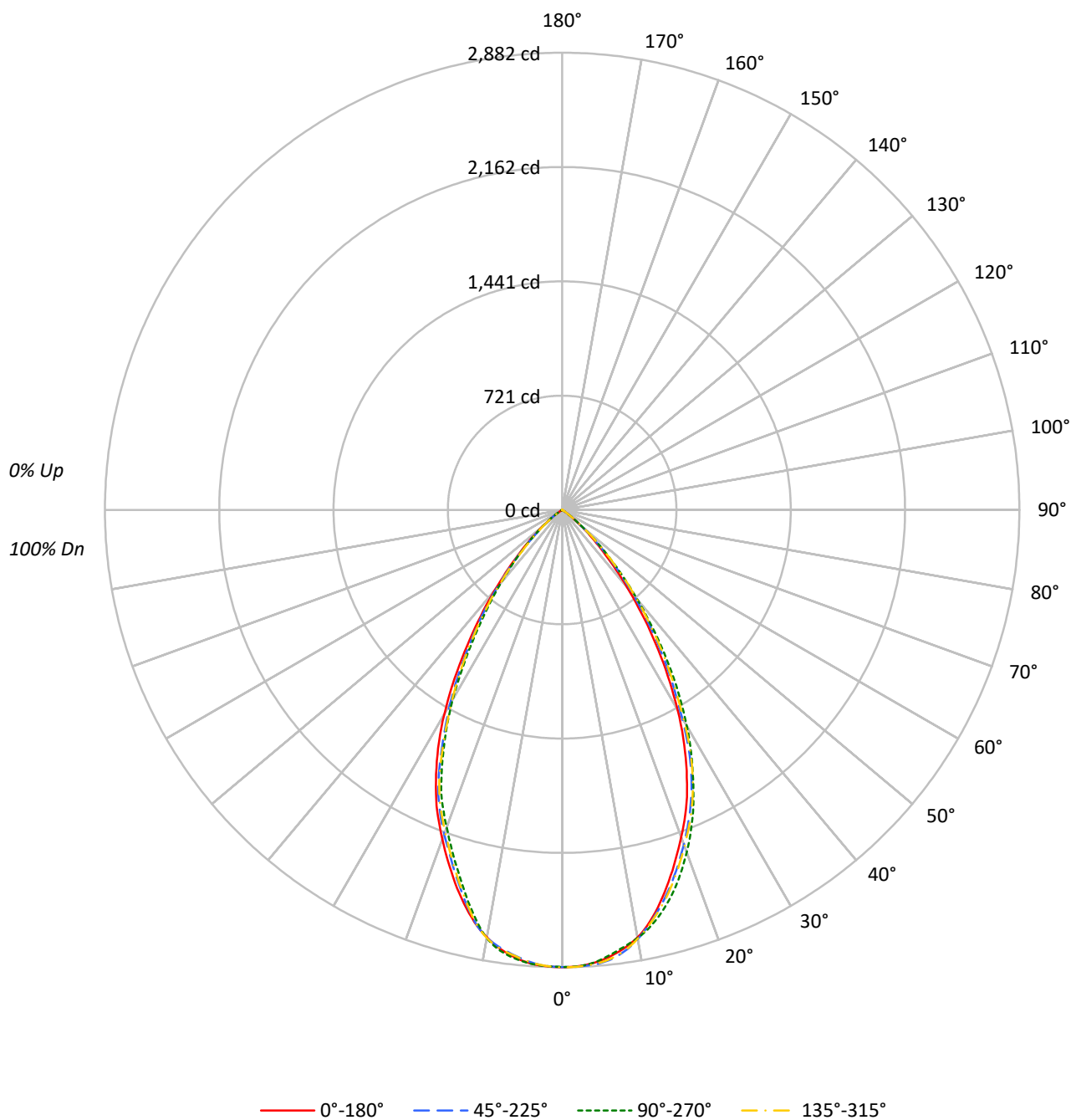
Lumens per Lamp: N/A
Luminaire Lumens: 2817.9 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	355420	355420	355420	355420
5°	352766	352024	353175	353646
10°	342655	343093	342580	343030
15°	318514	327466	319612	311389
20°	288080	301311	289931	279509
25°	253167	266464	256216	244022
30°	207146	223782	211633	196222
35°	153800	173134	157067	142597
40°	102600	119200	106705	96304
45°	60181	72199	63670	58838
50°	29436	33773	31547	30281
55°	9613	10193	10236	10365
60°	2245	2467	2319	2566
65°	1080	1255	1138	1313
70°	613	757	685	793
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: 72199 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.7	9.5
10°-20°	697.8	24.8
20°-30°	852.5	30.3
30°-40°	649.5	23.0
40°-50°	289.6	10.3
50°-60°	52.4	1.9
60°-70°	4.6	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°	0.5	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	1819.0	64.6
0°-40°	2468.5	87.6
0°-60°	2810.5	99.7
0°-90°	2816.1	99.9
90°-120°	0.0	0.0
90°-150°	0.9	0.0
90°-180°	2.0	0.1
0°-180°	2817.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2882	2882	2882	2882	2882	
5°	2849	2843	2852	2856	2849	268
15°	2494	2564	2503	2438	2494	696
25°	1860	1958	1883	1793	1860	845
35°	1021	1150	1043	947	1021	638
45°	345	414	365	337	345	275
55°	45	47	48	48	45	50
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2881.5	2881.5	2881.5	2881.5	2881.5	2881.5	2881.5	2881.5	2881.5	2881.5	2881.5
0.5°	2882.0	2881.0	2881.3	2882.0	2881.0	2881.3	2882.5	2882.0	2882.0	2881.0	2881.0
1°	2880.8	2880.8	2881.3	2882.0	2881.0	2881.3	2881.8	2881.8	2881.0	2880.0	2880.0
1.5°	2879.2	2879.7	2880.8	2881.0	2880.0	2880.8	2881.0	2880.8	2880.0	2878.5	2878.5
2°	2877.2	2878.2	2880.0	2879.7	2878.2	2879.0	2880.0	2879.7	2878.0	2875.7	2876.2
2.5°	2874.7	2877.2	2878.7	2877.5	2875.7	2876.5	2879.0	2878.2	2875.4	2872.7	2873.2
3°	2871.9	2875.7	2877.0	2874.4	2871.9	2873.4	2876.5	2876.5	2872.7	2868.4	2868.9
3.5°	2867.3	2873.9	2874.9	2870.6	2866.8	2869.4	2873.7	2873.9	2869.4	2863.0	2863.5
4°	2862.3	2871.4	2872.9	2865.6	2860.0	2863.8	2870.9	2871.4	2864.6	2856.5	2857.2
4.5°	2856.0	2867.8	2869.6	2859.2	2851.9	2857.0	2866.6	2867.8	2859.2	2848.9	2850.1
5°	2849.1	2863.5	2864.6	2851.4	2843.1	2848.6	2861.3	2863.8	2852.4	2840.5	2842.3
5.5°	2841.3	2857.7	2859.0	2843.3	2833.4	2840.0	2854.9	2858.2	2845.3	2831.4	2834.2
6°	2833.2	2850.6	2852.2	2833.9	2823.3	2830.4	2847.9	2851.7	2836.7	2822.0	2825.3
6.5°	2823.8	2842.5	2844.3	2824.6	2812.9	2820.5	2839.5	2843.8	2827.1	2812.4	2816.5
7°	2813.9	2832.7	2834.4	2814.5	2802.8	2810.4	2829.9	2834.4	2816.7	2802.1	2807.4
7.5°	2803.1	2821.5	2823.3	2803.6	2792.7	2799.5	2819.3	2823.6	2806.4	2791.7	2797.5
8°	2792.2	2809.4	2810.7	2791.7	2782.3	2788.4	2807.1	2810.7	2794.0	2781.1	2787.4
8.5°	2779.5	2795.5	2796.7	2779.3	2771.9	2777.5	2793.5	2797.2	2780.8	2769.2	2776.2
9°	2766.1	2780.0	2781.1	2766.4	2761.3	2765.1	2778.3	2781.6	2766.9	2757.0	2764.1
9.5°	2751.2	2763.1	2764.4	2752.5	2750.7	2752.2	2762.3	2764.4	2752.2	2743.6	2750.9
10°	2735.8	2745.1	2746.1	2737.5	2739.3	2738.3	2744.9	2746.1	2735.2	2729.4	2736.0
10.5°	2718.5	2725.6	2726.6	2721.6	2726.9	2724.1	2726.6	2726.1	2717.3	2712.5	2718.3
11°	2699.3	2705.1	2706.1	2704.6	2713.2	2708.4	2707.2	2706.1	2698.6	2694.8	2698.8
11.5°	2678.3	2682.9	2685.4	2686.9	2698.6	2692.2	2687.2	2684.9	2678.3	2675.0	2677.0
12°	2654.8	2659.8	2663.6	2667.2	2683.1	2674.8	2666.9	2662.9	2656.8	2652.0	2651.7
12.5°	2630.5	2636.1	2640.4	2648.2	2665.4	2655.5	2645.7	2640.1	2632.5	2627.2	2623.4
13°	2604.9	2612.0	2617.6	2627.4	2647.7	2636.6	2623.7	2615.8	2609.5	2601.4	2595.8
13.5°	2578.4	2586.5	2594.0	2606.7	2628.2	2617.1	2601.1	2592.3	2583.9	2574.1	2566.7
14°	2550.8	2560.4	2570.3	2584.2	2607.5	2595.6	2578.1	2567.0	2558.1	2546.0	2536.3
14.5°	2523.0	2534.1	2546.0	2561.9	2586.2	2573.8	2553.8	2541.9	2530.3	2516.9	2505.8
15°	2494.3	2507.3	2520.5	2538.4	2564.4	2550.5	2530.5	2516.2	2502.9	2487.4	2474.1
15.5°	2464.8	2479.7	2495.1	2513.8	2541.7	2527.0	2505.0	2489.7	2475.0	2457.6	2442.5
16°	2435.7	2451.5	2468.6	2487.6	2517.3	2502.2	2479.4	2462.2	2446.2	2426.6	2411.3
16.5°	2406.5	2423.8	2441.8	2462.3	2492.5	2476.7	2452.2	2434.4	2417.1	2396.2	2380.6
17°	2376.6	2395.5	2414.5	2435.8	2466.9	2450.4	2425.1	2406.1	2387.4	2365.8	2349.7
17.5°	2346.0	2366.7	2386.1	2408.5	2440.4	2423.5	2397.8	2376.6	2357.6	2335.4	2319.0
18°	2315.4	2337.2	2357.4	2380.0	2412.2	2396.3	2369.0	2347.8	2328.2	2305.2	2288.5
18.5°	2285.2	2307.3	2328.8	2351.5	2384.2	2367.8	2340.6	2319.2	2298.4	2274.9	2258.7
19°	2255.0	2277.4	2300.7	2322.9	2354.7	2339.0	2312.5	2290.0	2267.5	2245.4	2228.7
19.5°	2225.1	2247.9	2271.8	2293.7	2326.0	2310.0	2284.0	2260.0	2237.9	2216.0	2201.9
20°	2194.7	2217.7	2242.8	2264.3	2295.5	2281.2	2255.6	2231.5	2208.8	2186.7	2173.1
20.5°	2164.6	2188.5	2213.4	2234.8	2265.7	2251.7	2226.3	2203.4	2178.3	2157.3	2144.3
21°	2134.2	2157.8	2183.6	2204.2	2235.0	2220.9	2197.2	2174.1	2147.7	2127.9	2115.5
21.5°	2104.2	2127.7	2154.2	2173.4	2202.3	2189.2	2168.1	2144.8	2117.1	2098.5	2086.8
22°	2072.5	2096.4	2123.3	2141.1	2169.6	2157.4	2139.1	2115.4	2086.6	2069.2	2055.1

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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°	2040.7	2066.2	2092.5	2110.0	2136.9	2125.5	2110.0	2086.1	2058.6	2036.6	2023.7
23°	2006.2	2033.4	2061.4	2075.3	2104.2	2093.7	2080.9	2053.6	2025.3	2002.1	1991.0
23.5°	1971.9	2001.1	2029.7	2042.7	2071.4	2061.9	2047.9	2021.7	1990.8	1967.3	1956.2
24°	1935.5	1967.3	1996.3	2006.5	2033.4	2026.2	2015.7	1988.8	1955.2	1931.7	1918.6
24.5°	1898.6	1932.3	1963.9	1971.7	1996.4	1990.7	1982.4	1954.6	1919.2	1893.8	1879.4
25°	1860.2	1896.0	1929.4	1933.9	1957.9	1954.0	1948.1	1920.0	1882.6	1855.3	1838.8
25.5°	1822.5	1859.9	1894.4	1898.0	1920.5	1917.1	1912.7	1884.9	1845.4	1815.7	1796.3
26°	1784.1	1822.0	1857.7	1860.0	1882.7	1879.6	1876.7	1848.4	1808.2	1776.0	1751.6
26.5°	1746.9	1783.8	1820.3	1821.7	1844.5	1841.4	1838.9	1809.9	1769.5	1735.1	1706.8
27°	1706.7	1744.9	1779.5	1783.2	1806.0	1802.6	1799.8	1771.1	1731.4	1693.7	1662.7
27.5°	1667.1	1705.8	1737.4	1744.0	1768.8	1764.6	1759.6	1731.4	1693.1	1650.9	1620.0
28°	1626.1	1666.0	1693.8	1704.2	1730.6	1726.0	1716.3	1690.5	1653.1	1609.1	1577.6
28.5°	1584.9	1623.0	1648.3	1663.0	1692.0	1685.8	1673.3	1648.4	1612.6	1566.3	1535.0
29°	1541.7	1581.9	1602.5	1622.1	1653.0	1646.5	1628.3	1604.9	1571.2	1524.4	1494.6
29.5°	1499.4	1538.9	1554.9	1580.8	1613.1	1605.6	1582.5	1559.9	1528.7	1483.1	1453.9
30°	1454.4	1494.2	1508.5	1537.9	1571.2	1564.2	1534.7	1513.5	1485.9	1441.6	1413.1
30.5°	1411.0	1447.6	1462.6	1493.3	1529.5	1520.9	1488.0	1466.6	1441.2	1399.7	1371.7
31°	1367.5	1402.6	1418.2	1449.2	1487.3	1478.2	1442.7	1419.8	1397.7	1359.1	1329.6
31.5°	1324.6	1355.1	1374.7	1404.7	1445.3	1434.5	1398.5	1372.7	1352.6	1318.3	1287.5
32°	1281.1	1309.1	1332.7	1359.6	1402.6	1390.2	1355.9	1327.6	1309.9	1277.9	1244.7
32.5°	1239.2	1262.2	1290.7	1315.3	1361.4	1346.2	1313.4	1283.5	1263.6	1236.6	1202.4
33°	1197.1	1219.2	1250.4	1271.3	1320.1	1301.4	1273.5	1240.2	1218.6	1196.6	1159.3
33.5°	1154.8	1173.4	1209.4	1227.2	1278.1	1257.2	1232.7	1198.2	1173.4	1154.8	1116.0
34°	1113.1	1132.0	1169.0	1185.6	1235.2	1214.2	1192.6	1156.9	1130.1	1113.3	1075.4
34.5°	1070.7	1088.6	1126.9	1144.2	1192.5	1171.8	1152.3	1116.3	1085.5	1071.2	1033.8
35°	1021.4	1047.1	1085.3	1104.0	1149.8	1130.3	1111.8	1076.9	1043.1	1028.2	995.2
35.5°	982.3	1007.1	1045.1	1064.9	1107.4	1089.3	1070.7	1036.0	1001.7	986.1	957.4
36°	943.2	967.1	1005.5	1027.3	1063.9	1049.4	1030.0	995.1	962.1	945.0	920.4
36.5°	904.0	927.1	965.8	988.3	1021.4	1008.7	989.4	954.6	921.0	904.3	883.0
37°	864.9	887.2	926.2	949.3	979.0	969.4	949.2	914.6	881.9	864.6	847.4
37.5°	824.3	847.2	886.5	910.3	937.4	930.6	909.4	873.9	843.9	825.1	810.9
38°	784.6	810.9	846.9	871.2	896.8	892.2	872.2	835.2	806.4	787.7	775.1
38.5°	746.1	773.7	810.4	832.6	856.0	853.4	834.6	797.5	769.1	751.0	738.6
39°	709.3	738.5	775.2	795.5	816.7	817.2	799.2	760.7	733.3	715.2	703.7
39.5°	672.7	702.8	739.1	758.3	778.1	779.2	763.9	725.5	697.7	678.8	668.7
40°	637.2	668.9	704.0	721.7	740.3	743.2	729.0	691.8	662.7	643.6	634.5
40.5°	603.5	636.2	669.8	686.0	703.8	705.4	694.1	657.9	628.0	609.3	600.8
41°	570.6	603.2	635.4	651.3	667.4	670.1	659.8	625.4	594.4	575.9	568.6
41.5°	538.2	571.0	600.8	617.3	633.0	634.5	625.8	593.7	562.1	543.2	537.7
42°	508.0	541.2	568.7	584.7	599.1	600.7	591.9	563.3	530.8	510.9	507.9
42.5°	478.5	510.7	536.3	552.1	566.4	566.6	558.3	532.4	500.6	480.5	477.6
43°	449.9	481.0	505.0	519.1	534.2	534.2	525.8	502.9	471.8	451.2	448.5
43.5°	421.7	451.1	474.1	487.3	502.5	501.7	494.2	473.5	442.8	422.9	419.2
44°	395.6	422.9	445.8	456.1	471.6	471.4	463.8	445.3	416.1	396.2	392.4
44.5°	369.8	395.5	417.3	425.7	442.0	440.8	433.9	417.1	389.9	370.4	364.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	345.0	369.5	390.1	396.3	413.9	412.0	405.5	390.3	365.0	345.4	338.1
45.5°	321.2	343.6	363.9	367.2	385.3	382.8	378.1	364.1	340.7	321.5	312.5
46°	299.3	319.4	338.0	340.0	358.5	355.7	351.3	338.9	316.9	298.9	289.6
46.5°	277.3	295.3	312.6	313.5	331.8	328.6	325.9	313.9	294.9	279.2	269.1
47°	256.9	273.8	288.3	288.6	307.4	303.0	300.5	290.4	275.2	259.5	248.6
47.5°	237.0	251.8	264.5	264.4	284.9	280.8	278.4	269.6	255.7	239.8	228.2
48°	218.9	231.9	242.1	241.8	262.5	258.6	256.4	248.8	236.1	220.1	207.7
48.5°	200.9	211.8	220.4	220.4	240.1	236.4	234.4	228.0	216.6	200.5	191.0
49°	184.5	193.9	199.9	200.6	217.6	214.2	212.4	207.2	197.1	184.0	175.7
49.5°	168.8	176.5	180.2	181.8	195.3	192.0	190.4	186.5	180.3	168.3	161.7
50°	153.4	160.1	161.9	163.8	176.0	173.7	171.9	169.2	164.4	153.9	148.6
50.5°	138.9	143.9	145.0	146.8	157.7	156.1	154.5	152.6	149.3	140.2	136.1
51°	125.8	129.6	129.6	131.2	141.1	140.2	138.6	137.1	134.8	127.5	124.5
51.5°	112.9	115.8	115.1	116.5	125.2	125.0	123.9	122.6	121.4	115.5	113.6
52°	101.1	103.2	102.1	103.3	110.8	110.9	109.9	109.2	108.3	104.1	103.0
52.5°	90.9	92.7	91.7	92.7	97.2	97.7	96.9	96.4	96.1	93.2	92.7
53°	80.7	82.3	81.3	82.1	85.0	85.8	85.2	84.7	84.5	82.7	82.8
53.5°	70.4	71.9	71.0	71.5	73.6	74.4	74.2	73.7	74.1	72.9	73.5
54°	60.2	61.5	60.6	60.8	63.6	64.5	64.4	63.6	64.1	63.7	64.6
54.5°	52.0	51.1	50.3	50.3	54.8	55.7	55.6	54.7	55.3	55.4	56.3
55°	44.7	43.8	43.1	43.3	47.4	48.2	48.1	47.3	47.6	47.7	48.7
55.5°	38.1	37.1	36.5	36.3	40.5	41.2	41.2	40.4	40.6	41.0	41.9
56°	31.5	30.4	29.8	29.7	33.8	34.3	34.2	36.0	35.6	36.4	35.2
56.5°	25.5	24.6	24.1	24.1	29.9	30.3	30.3	31.6	30.6	31.8	30.9
57°	20.7	19.9	19.5	19.8	26.0	26.4	26.4	27.2	25.7	27.2	26.7
57.5°	17.0	16.5	16.2	16.6	22.0	22.5	22.4	22.8	20.7	22.7	22.5
58°	14.5	14.0	13.8	14.2	18.1	18.7	18.5	18.4	15.7	18.1	18.4
58.5°	12.4	12.1	12.0	12.3	14.2	14.8	14.6	14.0	13.6	13.5	14.2
59°	10.9	10.6	10.5	10.8	12.5	13.0	12.9	12.2	11.9	11.8	12.2
59.5°	10.0	9.7	9.6	9.9	11.2	11.6	11.4	10.9	10.5	10.4	10.8
60°	9.1	8.8	8.8	9.1	10.0	10.5	10.3	9.7	9.4	9.3	9.6
60.5°	8.2	7.9	7.9	8.2	9.1	9.5	9.3	8.8	8.4	8.3	8.6
61°	7.3	7.1	7.1	7.3	8.3	8.6	8.4	7.9	7.6	7.6	7.8
61.5°	6.6	6.4	6.5	6.7	7.5	7.9	7.7	7.3	6.9	6.9	7.1
62°	6.0	5.9	5.9	6.1	6.9	7.2	7.1	6.6	6.4	6.3	6.5
62.5°	5.5	5.4	5.4	5.7	6.4	6.6	6.5	6.1	5.8	5.8	5.9
63°	5.1	5.0	5.0	5.2	5.9	6.1	6.0	5.6	5.4	5.3	5.5
63.5°	4.7	4.6	4.6	4.8	5.4	5.7	5.5	5.2	4.9	4.9	5.0
64°	4.3	4.2	4.3	4.5	5.0	5.3	5.1	4.8	4.6	4.5	4.7
64.5°	4.0	3.9	4.0	4.1	4.7	4.9	4.8	4.4	4.2	4.2	4.3
65°	3.7	3.6	3.7	3.8	4.3	4.5	4.4	4.1	3.9	3.9	4.0
65.5°	3.4	3.4	3.4	3.6	4.0	4.2	4.1	3.8	3.7	3.6	3.7
66°	3.2	3.1	3.2	3.3	3.7	3.9	3.8	3.6	3.4	3.4	3.5
66.5°	3.0	2.9	2.9	3.1	3.5	3.7	3.6	3.3	3.2	3.1	3.2
67°	2.7	2.7	2.7	2.9	3.2	3.4	3.3	3.1	2.9	2.9	3.0

TEST NUMBER: P1590455

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-4000K

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	2.7	3.0	3.2	3.1	2.9	2.7	2.7	2.8
68°	2.4	2.3	2.3	2.5	2.8	3.0	2.9	2.7	2.5	2.5	2.6
68.5°	2.2	2.2	2.2	2.3	2.6	2.8	2.7	2.5	2.4	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	1.8	1.7	1.8
71°	1.5	1.5	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	1.7	1.6	1.5	1.4	1.4	1.4
72.5°	1.2	1.1	1.2	1.3	1.5	1.5	1.5	1.4	1.3	1.3	1.3
73°	1.1	1.0	1.1	1.2	1.3	1.4	1.4	1.2	1.2	1.2	1.2
73.5°	1.0	1.0	1.0	1.1	1.2	1.3	1.3	1.2	1.1	1.1	1.1
74°	0.9	0.9	0.9	1.0	1.1	1.2	1.2	1.1	1.0	1.0	1.0
74.5°	0.8	0.8	0.8	0.9	1.1	1.1	1.1	1.0	0.9	0.9	1.0
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	0.7	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	0.9	0.8	0.7	0.7	0.7	0.7
76.5°	0.6	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	0.5	0.5	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	0.5	0.4	0.4	0.4	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	0.2	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: P1590455

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P1590455

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.2	0.2	0.2	0.2	0.2	0.2
127.5°	0.2	0.2	0.2	0.2	0.2	0.2	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	0.3
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	0.3	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: P1590455

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-4000K

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	0.5
135.5°	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5
136°	0.4	0.4	0.4	0.4	0.5	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	0.6
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	0.5	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	0.7	0.7	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	0.8	0.8	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	0.9	0.9
144.5°	0.6	0.5	0.5	0.5	0.8	0.8	0.9	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	0.6	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	1.0
146.5°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	1.0	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	1.1	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	0.7	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	1.2	1.2
151°	0.7	0.7	0.6	0.7	1.1	1.1	1.1	1.2	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	1.3	1.3	1.3
153.5°	0.7	0.7	0.7	0.7	1.2	1.3	1.3	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°	0.8	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.4	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	0.8	0.7	0.7	1.4	1.4	1.4	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: P1590455

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-4000K

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	0.8	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	0.8	1.4	1.4	1.4	1.4	1.5	1.5	1.5
159.5°	0.8	0.8	0.8	0.8	1.4	1.4	1.4	1.5	1.5	1.5	1.5
160°	0.8	0.8	0.8	0.8	1.5	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	1.6	1.5	1.5
164°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.6	1.5	1.5
164.5°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.6	1.5	1.5
165°	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.6	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	1.5	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	1.5
170°	0.8	0.8	0.8	0.8	1.4	1.4	1.5	1.5	1.5	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	1.4	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	1.4	1.4
173°	0.8	0.8	0.8	0.8	1.3	1.3	1.4	1.4	1.4	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	1.3	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	1.3	1.3
176°	0.8	0.8	0.8	0.8	1.2	1.2	1.3	1.3	1.3	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°	1.0	0.9	0.9	0.9	1.2	1.2	1.2	1.2	1.2	1.2	1.2
178.5°	1.0	1.0	1.0	1.0	1.1	1.2	1.2	1.2	1.2	1.1	1.1
179°	1.0	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.1	1.1	1.1
179.5°	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1



TEST NUMBER: P1590455
CATALOG NUMBER: HCDLS1525CSD4TRC-HI-4000K

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: P1590455

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2881.5	2881.5	2881.5	2881.5	2881.5	2881.5
0.5°	2881.8	2879.7	2880.8	2881.8	2881.5	2882.0
1°	2881.0	2879.0	2880.0	2880.5	2880.2	2880.8
1.5°	2879.7	2877.7	2879.0	2878.7	2878.2	2879.2
2°	2878.2	2876.2	2876.7	2875.7	2875.4	2877.2
2.5°	2875.4	2874.4	2874.4	2872.7	2872.4	2874.7
3°	2872.9	2872.7	2871.9	2868.4	2867.3	2871.9
3.5°	2869.1	2869.6	2868.1	2863.3	2861.5	2867.3
4°	2864.8	2865.8	2863.8	2857.2	2855.2	2862.3
4.5°	2859.0	2861.5	2858.7	2850.6	2848.1	2856.0
5°	2852.9	2856.2	2853.2	2843.1	2840.0	2849.1
5.5°	2846.6	2850.4	2846.8	2835.5	2831.7	2841.3
6°	2839.3	2843.6	2840.0	2827.6	2822.6	2833.2
6.5°	2831.2	2836.2	2832.2	2819.5	2814.2	2823.8
7°	2822.6	2826.9	2823.8	2810.9	2804.6	2813.9
7.5°	2813.2	2817.0	2813.7	2802.3	2795.5	2803.1
8°	2802.6	2805.3	2802.8	2791.7	2785.4	2792.2
8.5°	2791.4	2792.2	2790.2	2781.3	2774.7	2779.5
9°	2778.0	2776.5	2776.0	2768.7	2762.8	2766.1
9.5°	2763.3	2759.3	2759.5	2755.0	2749.7	2751.2
10°	2746.1	2738.8	2740.6	2738.3	2735.2	2735.8
10.5°	2726.4	2716.3	2718.5	2720.6	2719.1	2718.5
11°	2704.4	2690.7	2694.3	2699.3	2700.6	2699.3
11.5°	2678.3	2662.1	2666.7	2675.3	2679.6	2678.3
12°	2650.7	2631.5	2637.3	2647.9	2655.0	2654.8
12.5°	2621.1	2601.1	2606.7	2619.9	2628.7	2630.5
13°	2591.0	2569.0	2574.8	2589.7	2602.1	2604.9
13.5°	2559.9	2537.9	2542.9	2558.9	2573.8	2578.4
14°	2528.2	2504.6	2510.6	2527.3	2543.9	2550.8
14.5°	2495.6	2472.0	2478.0	2496.1	2513.8	2523.0
15°	2463.2	2438.5	2444.8	2463.3	2483.2	2494.3
15.5°	2431.6	2406.4	2412.8	2432.6	2451.8	2464.8
16°	2400.2	2374.7	2381.6	2400.6	2420.5	2435.7
16.5°	2368.6	2344.4	2350.6	2370.0	2390.9	2406.5
17°	2338.1	2312.8	2319.2	2339.6	2359.9	2376.6
17.5°	2308.0	2281.9	2289.4	2308.7	2330.0	2346.0
18°	2277.9	2250.7	2258.3	2278.1	2298.7	2315.4
18.5°	2247.0	2220.0	2227.6	2248.2	2268.3	2285.2
19°	2217.9	2189.6	2198.2	2218.0	2237.3	2255.0
19.5°	2189.4	2158.5	2168.4	2188.5	2207.4	2225.1
20°	2160.9	2129.4	2139.6	2158.8	2176.7	2194.7
20.5°	2132.5	2099.0	2109.8	2130.1	2146.8	2164.6
21°	2104.1	2070.2	2080.5	2099.8	2116.4	2134.2
21.5°	2075.6	2040.1	2051.1	2070.0	2085.7	2104.2
22°	2046.4	2010.7	2021.8	2039.8	2055.8	2072.5

TEST NUMBER: P1590455

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	2016.2	1980.1	1990.8	2009.7	2023.7	2040.7
23°	1983.2	1947.4	1957.6	1977.0	1989.9	2006.2
23.5°	1947.5	1912.1	1922.9	1942.4	1955.9	1971.9
24°	1911.3	1874.0	1886.0	1905.3	1919.1	1935.5
24.5°	1873.8	1832.3	1847.6	1865.6	1880.3	1898.6
25°	1834.5	1793.0	1807.5	1824.6	1839.6	1860.2
25.5°	1793.3	1752.7	1766.8	1781.8	1799.1	1822.5
26°	1752.0	1712.8	1725.5	1737.9	1757.1	1784.1
26.5°	1709.2	1671.1	1683.5	1693.8	1714.2	1746.9
27°	1665.1	1631.9	1641.1	1649.0	1669.4	1706.7
27.5°	1620.4	1591.6	1597.2	1604.2	1625.7	1667.1
28°	1574.7	1550.0	1553.4	1560.1	1584.1	1626.1
28.5°	1529.6	1508.3	1510.4	1516.3	1542.5	1584.9
29°	1485.9	1465.9	1467.4	1473.7	1501.7	1541.7
29.5°	1442.8	1422.0	1424.1	1431.6	1461.4	1499.4
30°	1399.9	1377.7	1379.7	1390.3	1422.0	1454.4
30.5°	1356.7	1331.7	1335.5	1348.7	1381.2	1411.0
31°	1314.9	1287.9	1291.5	1307.0	1340.7	1367.5
31.5°	1272.9	1242.8	1248.1	1265.5	1299.4	1324.6
32°	1231.6	1199.0	1205.3	1223.6	1256.7	1281.1
32.5°	1190.6	1156.1	1163.1	1181.9	1214.2	1239.2
33°	1149.3	1113.8	1122.0	1140.0	1171.3	1197.1
33.5°	1107.7	1070.7	1081.8	1097.2	1127.8	1154.8
34°	1066.9	1023.2	1043.8	1056.5	1084.3	1113.1
34.5°	1026.2	985.1	1004.4	1017.7	1042.5	1070.7
35°	986.9	947.0	964.9	978.9	1003.0	1021.4
35.5°	947.2	908.9	925.4	940.2	963.4	982.3
36°	909.5	870.9	885.9	901.4	923.8	943.2
36.5°	871.3	834.0	846.5	862.7	884.3	904.0
37°	833.8	797.6	808.9	826.2	844.7	864.9
37.5°	796.8	762.1	772.0	790.1	807.9	824.3
38°	760.8	728.4	735.5	755.3	771.6	784.6
38.5°	725.9	695.0	700.1	719.9	734.9	746.1
39°	691.8	662.8	668.0	685.6	699.6	709.3
39.5°	657.9	630.1	635.3	650.7	663.9	672.7
40°	624.3	598.1	603.3	617.2	628.5	637.2
40.5°	592.5	568.0	572.4	583.7	593.1	603.5
41°	561.2	538.7	543.0	551.4	560.0	570.6
41.5°	531.1	510.4	514.0	520.3	526.6	538.2
42°	501.6	483.1	485.7	490.1	495.4	508.0
42.5°	472.5	456.9	458.5	459.6	464.5	478.5
43°	444.9	431.6	431.8	432.2	435.9	449.9
43.5°	418.2	406.7	406.2	403.8	407.5	421.7
44°	392.9	382.8	381.7	377.0	380.5	395.6
44.5°	368.3	359.5	358.2	350.7	354.1	369.8

TEST NUMBER: P1590455

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	344.5	337.3	335.2	326.0	328.9	345.0
45.5°	321.8	315.9	313.6	301.9	305.2	321.2
46°	299.9	295.5	292.9	279.3	282.5	299.3
46.5°	279.5	275.5	272.8	257.8	260.6	277.3
47°	260.6	256.3	253.6	238.0	240.1	256.9
47.5°	241.9	237.9	235.0	219.5	221.2	237.0
48°	223.1	220.2	217.4	202.2	203.7	218.9
48.5°	204.4	203.8	200.7	186.4	187.4	200.9
49°	187.9	187.8	184.8	171.8	171.7	184.5
49.5°	172.2	172.4	169.6	158.3	158.2	168.8
50°	157.9	157.8	154.9	145.5	145.0	153.4
50.5°	144.0	143.7	141.3	133.4	132.8	138.9
51°	131.1	130.5	128.5	122.0	120.9	125.8
51.5°	118.9	117.7	116.3	111.1	110.1	112.9
52°	107.4	105.9	104.7	100.5	100.6	101.1
52.5°	96.3	95.8	95.0	91.2	90.9	90.9
53°	85.8	85.8	85.3	81.8	81.2	80.7
53.5°	76.2	75.8	75.5	72.4	71.5	70.4
54°	66.8	65.8	65.8	63.1	61.8	60.2
54.5°	58.0	55.8	56.1	55.1	53.6	52.0
55°	50.3	48.2	48.6	47.9	46.2	44.7
55.5°	43.5	41.5	42.0	41.1	39.9	38.1
56°	36.8	34.8	35.3	34.6	33.3	31.5
56.5°	32.4	28.6	29.2	28.4	27.2	25.5
57°	28.0	23.5	23.9	23.3	22.1	20.7
57.5°	23.7	19.6	20.0	19.4	18.3	17.0
58°	19.3	16.7	17.1	16.5	15.5	14.5
58.5°	15.0	14.5	14.9	14.4	13.4	12.4
59°	13.0	12.7	13.1	12.6	11.7	10.9
59.5°	11.5	11.3	11.6	11.2	10.3	10.0
60°	10.2	10.4	10.4	10.4	9.5	9.1
60.5°	9.2	9.6	9.7	9.6	8.7	8.2
61°	8.3	8.8	8.9	8.7	7.9	7.3
61.5°	7.6	8.0	8.2	7.9	7.1	6.6
62°	6.9	7.2	7.4	7.1	6.5	6.0
62.5°	6.3	6.6	6.8	6.5	6.0	5.5
63°	5.8	6.1	6.3	6.0	5.5	5.1
63.5°	5.4	5.6	5.8	5.5	5.1	4.7
64°	5.0	5.2	5.4	5.1	4.6	4.3
64.5°	4.6	4.8	5.0	4.8	4.3	4.0
65°	4.3	4.5	4.6	4.4	4.0	3.7
65.5°	4.0	4.2	4.3	4.1	3.7	3.4
66°	3.7	3.9	4.0	3.8	3.4	3.2
66.5°	3.4	3.6	3.7	3.5	3.2	3.0
67°	3.2	3.3	3.5	3.3	2.9	2.7

TEST NUMBER: P1590455

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	3.0	3.1	3.2	3.1	2.7	2.5
68°	2.8	2.9	3.0	2.8	2.5	2.4
68.5°	2.6	2.7	2.8	2.6	2.4	2.2
69°	2.4	2.5	2.6	2.5	2.2	2.0
69.5°	2.2	2.3	2.4	2.3	2.0	1.9
70°	2.1	2.2	2.3	2.1	1.9	1.7
70.5°	1.9	2.0	2.1	2.0	1.7	1.6
71°	1.8	1.9	1.9	1.8	1.6	1.5
71.5°	1.7	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	0.8	0.8	0.7	0.6	0.6
77°	0.6	0.7	0.7	0.7	0.6	0.5
77.5°	0.6	0.6	0.7	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: P1590455

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0
90.5°	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0
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: P1590455

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0
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	0.2	0.1	0.1	0.1
125.5°	0.1	0.2	0.2	0.2	0.2	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	0.3	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: P1590455

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-4000K

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	0.5	0.4	0.4	0.4
139.5°	0.6	0.5	0.5	0.5	0.5	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	0.6	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	0.7	0.7	0.7	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	0.8	0.8	0.7
155.5°	1.3	0.7	0.7	0.8	0.8	0.8
156°	1.4	0.7	0.7	0.8	0.8	0.8
156.5°	1.4	0.7	0.8	0.8	0.8	0.8
157°	1.4	0.7	0.8	0.8	0.8	0.8

TEST NUMBER: P1590455

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-4000K

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	0.8	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°	1.5	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°	1.4	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	0.9	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°	1.2	1.0	1.0	1.0	1.0	1.0
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	1.1



TEST NUMBER: P1590455

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-4000K

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: P1590455

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-4000K

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	7.0	6.3	7.3	7.6	6.9	8.0	7.3	8.3	8.6
	3H	5.9	6.8	6.2	7.1	7.5	6.9	7.8	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	6.5	6.1	6.8	7.2	6.7	7.5	7.1	7.8	8.2
	8H	5.6	6.4	6.1	6.7	7.2	6.6	7.4	7.1	7.8	8.2
	12H	5.6	6.3	6.0	6.6	7.1	6.6	7.3	7.0	7.7	8.1
4H	2H	5.7	6.6	6.2	6.9	7.3	6.7	7.6	7.1	7.9	8.3
	3H	5.7	6.4	6.1	6.8	7.2	6.7	7.4	7.1	7.8	8.2
	4H	5.6	6.2	6.1	6.6	7.1	6.6	7.2	7.0	7.6	8.1
	6H	5.5	6.0	6.0	6.5	7.0	6.5	7.0	7.0	7.5	7.9
	8H	5.5	5.9	5.9	6.4	6.9	6.4	6.9	6.9	7.4	7.8
	12H	5.4	5.8	5.9	6.3	6.8	6.4	6.8	6.9	7.3	7.8
8H	4H	5.5	5.9	5.9	6.4	6.9	6.4	6.9	6.9	7.4	7.8
	6H	5.4	5.7	5.9	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	6.3	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	7.6
12H	4H	5.4	5.8	5.9	6.3	6.8	6.4	6.8	6.9	7.3	7.8
	6H	5.3	5.6	5.8	6.1	6.7	6.3	6.6	6.8	7.1	7.6
	8H	5.2	5.5	5.7	6.0	6.6	6.2	6.5	6.7	7.0	7.6

(END OF REPORT)