

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: P1590453

Luminaire Tested: HCDLS1525CSD4TRC-HI-3000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590453
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-3000K
Description: 4" Selectable Round Trim + Specular Clear 2500 Lumens 3000K

Light Source:
Ballast/Driver: -

Summary

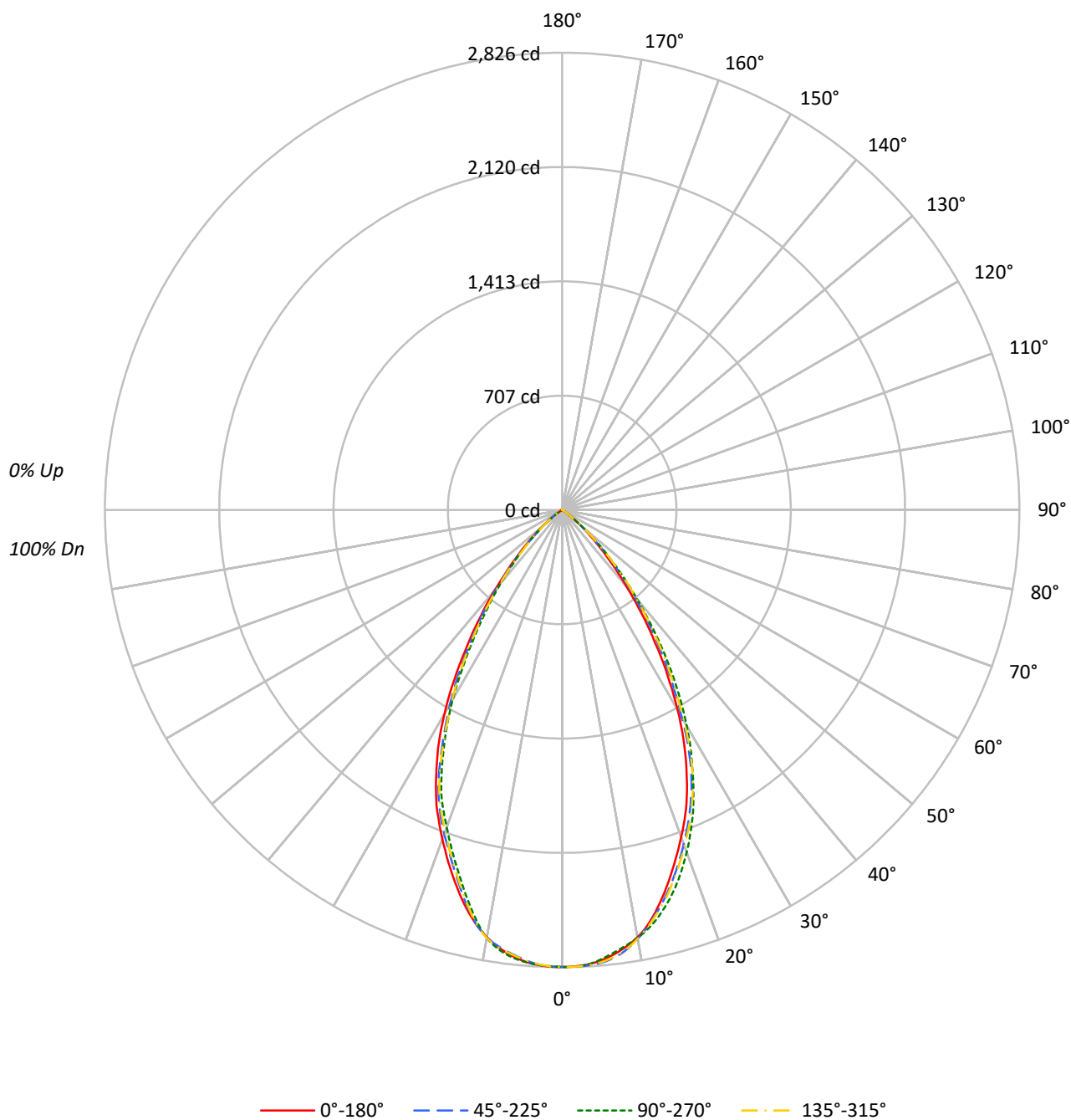
Lumens per Lamp: N/A
Luminaire Lumens: 2762.3 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	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°	348414	348414	348414	348414
5°	345820	345077	346217	346675
10°	335891	336330	335829	336267
15°	312231	321017	313317	305246
20°	282396	295378	284221	273996
25°	248186	261211	251167	239204
30°	203059	219366	207460	192348
35°	150773	169731	153965	139796
40°	100571	116850	104596	94404
45°	58995	70769	62414	57686
50°	28861	33121	30914	29686
55°	9419	10000	10021	10150
60°	2196	2418	2270	2516
65°	1051	1255	1138	1284
70°	613	757	685	757
75°	334	429	381	477
80°	142	213	213	213
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 70769 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.4	9.5
10°-20°	684.0	24.8
20°-30°	835.7	30.3
30°-40°	636.7	23.0
40°-50°	283.9	10.3
50°-60°	51.4	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°	1783.1	64.6
0°-40°	2419.8	87.6
0°-60°	2755.1	99.7
0°-90°	2760.6	99.9
90°-120°	0.0	0.0
90°-150°	0.8	0.0
90°-180°	2.0	0.1
0°-180°	2762.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2825	2825	2825	2825	2825	
5°	2793	2787	2796	2800	2793	263
15°	2445	2514	2454	2390	2445	682
25°	1824	1919	1846	1758	1824	829
35°	1001	1127	1022	928	1001	626
45°	338	406	358	331	338	270
55°	44	46	47	47	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2824.7	2824.7	2824.7	2824.7	2824.7	2824.7	2824.7	2824.7	2824.7	2824.7	2824.7
0.5°	2825.2	2824.2	2824.5	2825.2	2824.2	2824.5	2825.7	2825.2	2825.2	2824.2	2824.2
1°	2824.0	2824.0	2824.5	2825.2	2824.2	2824.5	2825.0	2825.0	2824.2	2823.2	2823.2
1.5°	2822.5	2823.0	2824.0	2824.2	2823.2	2824.0	2824.2	2824.0	2823.2	2821.7	2821.7
2°	2820.5	2821.5	2823.2	2823.0	2821.5	2822.2	2823.2	2823.0	2821.2	2819.0	2819.5
2.5°	2818.0	2820.5	2822.0	2820.7	2819.0	2819.7	2822.2	2821.5	2818.8	2816.0	2816.5
3°	2815.3	2819.0	2820.2	2817.8	2815.3	2816.8	2819.7	2819.7	2816.0	2811.8	2812.3
3.5°	2810.8	2817.3	2818.3	2814.0	2810.3	2812.8	2817.0	2817.3	2812.8	2806.6	2807.1
4°	2805.9	2814.8	2816.3	2809.1	2803.6	2807.3	2814.3	2814.8	2808.1	2800.2	2800.9
4.5°	2799.7	2811.3	2813.1	2802.9	2795.7	2800.6	2810.1	2811.3	2802.9	2792.7	2794.0
5°	2793.0	2807.1	2808.1	2795.2	2787.0	2792.5	2804.9	2807.3	2796.2	2784.5	2786.3
5.5°	2785.3	2801.4	2802.6	2787.3	2777.6	2784.0	2798.7	2801.9	2789.2	2775.6	2778.3
6°	2777.3	2794.4	2795.9	2778.1	2767.7	2774.6	2791.7	2795.4	2780.8	2766.4	2769.6
6.5°	2768.2	2786.5	2788.2	2768.9	2757.5	2764.9	2783.5	2787.7	2771.4	2757.0	2761.0
7°	2758.5	2776.8	2778.6	2759.0	2747.6	2755.0	2774.1	2778.6	2761.2	2746.8	2752.0
7.5°	2747.8	2765.9	2767.7	2748.3	2737.6	2744.3	2763.7	2767.9	2751.0	2736.6	2742.4
8°	2737.1	2754.0	2755.3	2736.6	2727.5	2733.4	2751.8	2755.3	2738.9	2726.2	2732.4
8.5°	2724.7	2740.4	2741.6	2724.5	2717.3	2722.8	2738.4	2742.1	2726.0	2714.6	2721.5
9°	2711.6	2725.2	2726.2	2711.8	2706.9	2710.6	2723.5	2726.7	2712.3	2702.7	2709.6
9.5°	2697.0	2708.6	2709.9	2698.2	2696.5	2697.9	2707.9	2709.9	2697.9	2689.5	2696.7
10°	2681.8	2691.0	2692.0	2683.6	2685.3	2684.3	2690.8	2692.0	2681.3	2675.6	2682.1
10.5°	2665.0	2671.9	2672.9	2667.9	2673.1	2670.4	2672.9	2672.4	2663.7	2659.0	2664.7
11°	2646.1	2651.8	2652.8	2651.3	2659.7	2655.0	2653.8	2652.8	2645.4	2641.6	2645.6
11.5°	2625.5	2630.0	2632.5	2633.9	2645.4	2639.2	2634.2	2632.0	2625.5	2622.3	2624.3
12°	2602.4	2607.4	2611.1	2614.6	2630.2	2622.0	2614.4	2610.4	2604.4	2599.7	2599.5
12.5°	2578.6	2584.1	2588.3	2596.0	2612.9	2603.2	2593.5	2588.1	2580.6	2575.4	2571.7
13°	2553.6	2560.5	2566.0	2575.7	2595.5	2584.6	2571.9	2564.2	2558.0	2550.1	2544.6
13.5°	2527.5	2535.5	2542.9	2555.3	2576.4	2565.5	2549.9	2541.2	2533.0	2523.3	2516.1
14°	2500.5	2509.9	2519.6	2533.2	2556.1	2544.4	2527.3	2516.4	2507.7	2495.8	2486.4
14.5°	2473.3	2484.1	2495.8	2511.4	2535.2	2523.1	2503.5	2491.8	2480.4	2467.2	2456.4
15°	2445.1	2457.9	2470.8	2488.3	2513.9	2500.2	2480.6	2466.6	2453.6	2438.3	2425.4
15.5°	2416.2	2430.9	2445.9	2464.3	2491.6	2477.2	2455.6	2440.7	2426.2	2409.2	2394.3
16°	2387.6	2403.2	2419.9	2438.5	2467.6	2452.9	2430.5	2413.6	2398.0	2378.8	2363.8
16.5°	2359.0	2376.0	2393.7	2413.7	2443.4	2427.9	2403.9	2386.4	2369.4	2349.0	2333.6
17°	2329.7	2348.3	2366.9	2387.7	2418.2	2402.1	2377.3	2358.6	2340.3	2319.2	2303.4
17.5°	2299.7	2320.0	2339.0	2361.0	2392.3	2375.7	2350.5	2329.8	2311.1	2289.4	2273.2
18°	2269.8	2291.1	2310.9	2333.1	2364.6	2349.0	2322.3	2301.5	2282.3	2259.8	2243.4
18.5°	2240.1	2261.8	2282.9	2305.2	2337.2	2321.1	2294.5	2273.5	2253.0	2230.0	2214.2
19°	2210.6	2232.5	2255.3	2277.1	2308.3	2292.9	2266.9	2244.9	2222.8	2201.1	2184.8
19.5°	2181.2	2203.6	2227.0	2248.5	2280.2	2264.5	2239.0	2215.5	2193.8	2172.4	2158.5
20°	2151.4	2173.9	2198.6	2219.7	2250.3	2236.2	2211.1	2187.6	2165.3	2143.5	2130.3
20.5°	2121.9	2145.3	2169.8	2190.7	2221.0	2207.3	2182.4	2160.0	2135.3	2114.8	2102.1
21°	2092.2	2115.2	2140.5	2160.8	2190.9	2177.2	2153.9	2131.2	2105.4	2086.0	2073.8
21.5°	2062.7	2085.8	2111.8	2130.6	2158.9	2146.0	2125.4	2102.5	2075.4	2057.2	2045.6
22°	2031.6	2055.1	2081.5	2098.9	2126.8	2114.8	2096.9	2073.7	2045.5	2028.4	2014.6

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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°	2000.5	2025.4	2051.3	2068.4	2094.8	2083.6	2068.4	2044.9	2018.0	1996.5	1983.8
23°	1966.7	1993.3	2020.8	2034.4	2062.7	2052.5	2039.9	2013.1	1985.4	1962.6	1951.7
23.5°	1933.0	1961.6	1989.7	2002.4	2030.6	2021.3	2007.5	1981.8	1951.6	1928.5	1917.6
24°	1897.4	1928.5	1957.0	1966.9	1993.3	1986.3	1976.0	1949.6	1916.6	1893.6	1880.8
24.5°	1861.2	1894.2	1925.2	1932.8	1957.1	1951.4	1943.3	1916.0	1881.3	1856.5	1842.3
25°	1823.6	1858.6	1891.4	1895.8	1919.3	1915.5	1909.7	1882.2	1845.5	1818.7	1802.5
25.5°	1786.6	1823.2	1857.0	1860.6	1882.6	1879.3	1875.0	1847.7	1809.1	1779.9	1760.9
26°	1749.0	1786.0	1821.1	1823.3	1845.6	1842.5	1839.7	1811.9	1772.5	1740.9	1717.1
26.5°	1712.4	1748.7	1784.4	1785.8	1808.1	1805.1	1802.6	1774.2	1734.6	1700.9	1673.2
27°	1673.0	1710.5	1744.5	1748.1	1770.4	1767.0	1764.3	1736.2	1697.3	1660.3	1630.0
27.5°	1634.3	1672.2	1703.2	1709.6	1733.9	1729.8	1724.9	1697.3	1659.7	1618.4	1588.1
28°	1594.0	1633.2	1660.4	1670.6	1696.4	1692.0	1682.4	1657.1	1620.6	1577.4	1546.5
28.5°	1553.7	1591.0	1615.8	1630.3	1658.6	1652.6	1640.3	1615.9	1580.8	1535.4	1504.7
29°	1511.3	1550.7	1570.9	1590.1	1620.4	1614.0	1596.2	1573.2	1540.2	1494.4	1465.1
29.5°	1469.9	1508.5	1524.2	1549.7	1581.3	1574.0	1551.3	1529.1	1498.6	1453.9	1425.2
30°	1425.7	1464.7	1478.8	1507.6	1540.2	1533.4	1504.5	1483.6	1456.6	1413.2	1385.2
30.5°	1383.2	1419.1	1433.8	1463.9	1499.4	1490.9	1458.6	1437.7	1412.8	1372.1	1344.7
31°	1340.5	1374.9	1390.2	1420.6	1458.0	1449.1	1414.2	1391.8	1370.2	1332.3	1303.4
31.5°	1298.5	1328.4	1347.6	1377.0	1416.8	1406.3	1370.9	1345.7	1325.9	1292.3	1262.1
32°	1255.9	1283.3	1306.4	1332.8	1375.0	1362.8	1329.2	1301.4	1284.1	1252.8	1220.2
32.5°	1214.8	1237.3	1265.3	1289.4	1334.6	1319.7	1287.6	1258.2	1238.7	1212.2	1178.7
33°	1173.5	1195.1	1225.8	1246.3	1294.0	1275.7	1248.4	1215.7	1194.5	1173.0	1136.5
33.5°	1132.0	1150.3	1185.6	1203.0	1252.9	1232.4	1208.4	1174.6	1150.3	1132.0	1094.0
34°	1091.2	1109.6	1145.9	1162.2	1210.9	1190.2	1169.1	1134.1	1107.8	1091.3	1054.2
34.5°	1049.6	1067.2	1104.7	1121.7	1169.0	1148.7	1129.6	1094.3	1064.1	1050.1	1013.4
35°	1001.3	1026.4	1063.9	1082.3	1127.2	1108.0	1089.9	1055.7	1022.5	1007.9	975.6
35.5°	962.9	987.2	1024.5	1043.9	1085.5	1067.9	1049.6	1015.6	982.0	966.7	938.5
36°	924.6	948.1	985.6	1007.1	1042.9	1028.7	1009.7	975.5	943.2	926.4	902.3
36.5°	886.2	908.9	946.8	968.8	1001.3	988.9	969.9	935.8	902.9	886.4	865.6
37°	847.8	869.7	907.9	930.6	959.7	950.3	930.4	896.6	864.6	847.6	830.7
37.5°	808.1	830.5	869.1	892.3	919.0	912.2	891.5	856.7	827.2	808.8	794.9
38°	769.1	794.9	830.2	854.1	879.2	874.6	855.0	818.7	790.5	772.2	759.8
38.5°	731.4	758.5	794.4	816.2	839.1	836.6	818.2	781.8	753.9	736.2	724.1
39°	695.3	723.9	759.9	779.9	800.6	801.1	783.4	745.7	718.9	701.1	689.8
39.5°	659.4	688.9	724.5	743.3	762.7	763.8	748.8	711.2	684.0	665.4	655.5
40°	624.6	655.7	690.1	707.5	725.7	728.5	714.6	678.2	649.6	630.9	622.0
40.5°	591.6	623.6	656.6	672.5	689.9	691.5	680.4	645.0	615.6	597.2	589.0
41°	559.4	591.3	622.9	638.5	654.3	656.9	646.8	613.1	582.7	564.6	557.4
41.5°	527.6	559.8	589.0	605.2	620.5	622.0	613.4	582.0	551.0	532.5	527.1
42°	497.9	530.5	557.5	573.2	587.2	588.9	580.2	552.2	520.3	500.9	497.9
42.5°	469.1	500.7	525.7	541.2	555.2	555.5	547.3	521.9	490.8	471.0	468.2
43°	441.0	471.5	495.0	508.8	523.7	523.7	515.5	493.0	462.5	442.3	439.7
43.5°	413.4	442.2	464.7	477.6	492.6	491.8	484.4	464.2	434.1	414.6	410.9
44°	387.8	414.5	437.0	447.1	462.3	462.1	454.7	436.6	407.9	388.3	384.6
44.5°	362.5	387.7	409.0	417.3	433.3	432.1	425.4	408.8	382.2	363.1	357.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	338.2	362.2	382.4	388.4	405.7	403.8	397.5	382.6	357.8	338.6	331.4
45.5°	314.8	336.8	356.7	359.9	377.8	375.3	370.6	356.9	334.0	315.2	306.3
46°	293.4	313.1	331.3	333.2	351.4	348.7	344.4	332.2	310.6	293.0	283.9
46.5°	271.9	289.5	306.4	307.3	325.3	322.1	319.5	307.7	289.1	273.7	263.8
47°	251.9	268.4	282.6	282.9	301.3	297.0	294.6	284.7	269.8	254.4	243.7
47.5°	232.3	246.8	259.3	259.2	279.3	275.3	272.9	264.3	250.6	235.1	223.7
48°	214.6	227.3	237.3	237.0	257.3	253.5	251.3	243.9	231.5	215.8	203.6
48.5°	196.9	207.6	216.1	216.1	235.3	231.7	229.8	223.5	212.3	196.5	187.2
49°	180.8	190.1	195.9	196.7	213.3	210.0	208.2	203.1	193.2	180.3	172.3
49.5°	165.4	173.1	176.6	178.2	191.5	188.3	186.7	182.9	176.7	165.0	158.6
50°	150.4	157.0	158.7	160.5	172.6	170.2	168.5	165.8	161.1	150.9	145.7
50.5°	136.2	141.0	142.2	143.9	154.6	153.0	151.5	149.6	146.4	137.4	133.5
51°	123.3	127.0	127.1	128.6	138.3	137.4	135.8	134.4	132.1	125.0	122.0
51.5°	110.7	113.5	112.9	114.3	122.8	122.5	121.4	120.2	119.0	113.3	111.3
52°	99.1	101.1	100.1	101.3	108.6	108.7	107.7	107.0	106.2	102.0	101.0
52.5°	89.1	90.9	89.9	90.9	95.3	95.8	95.0	94.5	94.2	91.4	90.9
53°	79.1	80.7	79.7	80.5	83.3	84.1	83.5	83.0	82.8	81.1	81.1
53.5°	69.0	70.5	69.6	70.0	72.1	73.0	72.7	72.3	72.6	71.5	72.0
54°	59.1	60.3	59.4	59.6	62.3	63.2	63.2	62.3	62.8	62.5	63.3
54.5°	51.0	50.0	49.3	49.3	53.8	54.6	54.5	53.6	54.2	54.3	55.2
55°	43.8	43.0	42.3	42.4	46.5	47.2	47.1	46.4	46.6	46.7	47.8
55.5°	37.3	36.3	35.8	35.6	39.7	40.4	40.4	39.6	39.8	40.2	41.1
56°	30.9	29.8	29.2	29.2	33.1	33.6	33.6	35.3	34.9	35.7	34.5
56.5°	25.0	24.1	23.6	23.7	29.3	29.7	29.7	31.0	30.0	31.2	30.3
57°	20.3	19.5	19.1	19.4	25.4	25.9	25.8	26.6	25.2	26.7	26.2
57.5°	16.7	16.2	15.9	16.2	21.6	22.1	22.0	22.3	20.3	22.2	22.1
58°	14.2	13.7	13.5	13.9	17.7	18.3	18.2	18.0	15.4	17.7	18.0
58.5°	12.2	11.8	11.7	12.0	13.9	14.5	14.3	13.7	13.3	13.3	13.9
59°	10.7	10.4	10.3	10.6	12.3	12.8	12.6	12.0	11.6	11.6	12.0
59.5°	9.8	9.5	9.5	9.8	10.9	11.4	11.2	10.7	10.3	10.2	10.6
60°	8.9	8.6	8.6	8.9	9.8	10.3	10.1	9.5	9.2	9.1	9.4
60.5°	8.0	7.8	7.8	8.0	8.9	9.3	9.1	8.6	8.3	8.2	8.5
61°	7.1	6.9	6.9	7.2	8.1	8.4	8.3	7.8	7.5	7.4	7.6
61.5°	6.5	6.3	6.3	6.6	7.4	7.7	7.6	7.1	6.8	6.7	7.0
62°	5.9	5.8	5.8	6.0	6.8	7.1	6.9	6.5	6.2	6.1	6.4
62.5°	5.4	5.3	5.3	5.5	6.2	6.5	6.4	6.0	5.7	5.6	5.8
63°	5.0	4.9	4.9	5.1	5.8	6.0	5.9	5.5	5.3	5.2	5.4
63.5°	4.6	4.5	4.5	4.7	5.3	5.6	5.4	5.1	4.8	4.8	4.9
64°	4.2	4.2	4.2	4.4	4.9	5.2	5.0	4.7	4.5	4.4	4.6
64.5°	3.9	3.8	3.9	4.1	4.6	4.8	4.7	4.4	4.2	4.1	4.2
65°	3.6	3.6	3.6	3.8	4.3	4.5	4.3	4.0	3.9	3.8	3.9
65.5°	3.4	3.3	3.3	3.5	4.0	4.1	4.0	3.8	3.6	3.5	3.6
66°	3.1	3.1	3.1	3.2	3.7	3.9	3.7	3.5	3.3	3.3	3.4
66.5°	2.9	2.8	2.9	3.0	3.4	3.6	3.5	3.2	3.1	3.1	3.1
67°	2.7	2.6	2.7	2.8	3.2	3.3	3.2	3.0	2.9	2.8	2.9

TEST NUMBER: P1590453

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3000K

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	3.1	3.0	2.8	2.7	2.6	2.7
68°	2.3	2.3	2.3	2.4	2.8	2.9	2.8	2.6	2.5	2.5	2.5
68.5°	2.1	2.1	2.1	2.3	2.6	2.7	2.6	2.4	2.3	2.3	2.4
69°	2.0	2.0	2.0	2.1	2.4	2.5	2.4	2.3	2.2	2.1	2.2
69.5°	1.8	1.8	1.8	2.0	2.2	2.3	2.3	2.1	2.0	2.0	2.0
70°	1.7	1.7	1.7	1.8	2.1	2.2	2.1	1.9	1.9	1.8	1.9
70.5°	1.6	1.6	1.6	1.7	1.9	2.0	1.9	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	1.6
71.5°	1.3	1.3	1.3	1.4	1.7	1.7	1.7	1.6	1.5	1.5	1.5
72°	1.2	1.2	1.2	1.3	1.5	1.6	1.6	1.4	1.4	1.4	1.4
72.5°	1.1	1.1	1.1	1.2	1.4	1.5	1.4	1.3	1.3	1.3	1.3
73°	1.0	1.0	1.0	1.1	1.3	1.4	1.3	1.2	1.2	1.2	1.2
73.5°	1.0	0.9	1.0	1.0	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	1.0	1.0	1.0	1.0
74.5°	0.8	0.8	0.8	0.9	1.0	1.1	1.0	1.0	0.9	0.9	0.9
75°	0.7	0.7	0.7	0.8	0.9	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	0.7	0.7	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	0.6
77°	0.5	0.5	0.5	0.5	0.6	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	0.3	0.4
79.5°	0.3	0.2	0.2	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: P1590453

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3000K

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: P1590453

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.1	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	0.2	0.3	0.3
130.5°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
131°	0.3	0.3	0.2	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	0.3
133°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
133.5°	0.3	0.3	0.3	0.3	0.3	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: P1590453

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3000K

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	0.3	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	0.4	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	0.5	0.6	0.6
138.5°	0.4	0.4	0.4	0.4	0.5	0.5	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°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.7
140.5°	0.5	0.5	0.4	0.4	0.6	0.6	0.6	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	0.7	0.7
142.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	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	0.8
144.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.9	0.9	0.9
145°	0.6	0.5	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	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
146°	0.6	0.6	0.5	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	0.9	1.0	1.0
147°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	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	1.0	1.0	1.0
149°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.1	1.1	1.1
149.5°	0.6	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	0.6	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	1.1	1.2	1.2
151.5°	0.7	0.7	0.6	0.6	1.1	1.1	1.1	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	1.2	1.2
153.5°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.2	1.3	1.3
154°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	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°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
156.5°	0.8	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.4	1.4
157°	0.8	0.7	0.7	0.7	1.3	1.3	1.3	1.4	1.4	1.4	1.4

TEST NUMBER: P1590453

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3000K

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	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
159°	0.8	0.8	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
159.5°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
160°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.4	1.5	1.5	1.5
160.5°	0.8	0.8	0.8	0.8	1.4	1.4	1.4	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	1.4	1.5	1.5	1.5	1.5	1.5	1.5
168.5°	0.8	0.8	0.8	0.8	1.4	1.4	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	1.4	1.4
169.5°	0.8	0.8	0.8	0.8	1.4	1.4	1.4	1.4	1.4	1.4	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	1.3	1.4	1.4	1.4	1.4	1.4	1.4
172°	0.8	0.8	0.8	0.8	1.3	1.3	1.4	1.4	1.4	1.3	1.3
172.5°	0.8	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3	1.3	1.3
173°	0.8	0.8	0.8	0.8	1.3	1.3	1.3	1.3	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	1.2	1.3	1.3	1.3	1.3	1.3	1.3
175°	0.8	0.8	0.8	0.8	1.2	1.2	1.3	1.3	1.3	1.3	1.2
175.5°	0.8	0.8	0.8	0.8	1.2	1.2	1.3	1.3	1.2	1.2	1.2
176°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2
176.5°	0.8	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	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2
177.5°	0.9	0.9	0.9	0.9	1.1	1.2	1.2	1.2	1.2	1.2	1.2
178°	0.9	0.9	0.9	0.9	1.1	1.1	1.2	1.2	1.2	1.1	1.1
178.5°	1.0	0.9	0.9	0.9	1.1	1.1	1.1	1.1	1.1	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: P1590453

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3000K

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: P1590453

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2824.7	2824.7	2824.7	2824.7	2824.7	2824.7
0.5°	2825.0	2823.0	2824.0	2825.0	2824.7	2825.2
1°	2824.2	2822.2	2823.2	2823.7	2823.5	2824.0
1.5°	2823.0	2821.0	2822.2	2822.0	2821.5	2822.5
2°	2821.5	2819.5	2820.0	2819.0	2818.8	2820.5
2.5°	2818.8	2817.8	2817.8	2816.0	2815.8	2818.0
3°	2816.3	2816.0	2815.3	2811.8	2810.8	2815.3
3.5°	2812.6	2813.1	2811.6	2806.8	2805.1	2810.8
4°	2808.3	2809.3	2807.3	2800.9	2798.9	2805.9
4.5°	2802.6	2805.1	2802.4	2794.4	2792.0	2799.7
5°	2796.7	2799.9	2796.9	2787.0	2784.0	2793.0
5.5°	2790.5	2794.2	2790.7	2779.6	2775.8	2785.3
6°	2783.3	2787.5	2784.0	2771.9	2766.9	2777.3
6.5°	2775.3	2780.3	2776.3	2763.9	2758.7	2768.2
7°	2766.9	2771.1	2768.2	2755.5	2749.3	2758.5
7.5°	2757.7	2761.5	2758.2	2747.1	2740.4	2747.8
8°	2747.3	2750.0	2747.6	2736.6	2730.4	2737.1
8.5°	2736.4	2737.1	2735.2	2726.5	2720.0	2724.7
9°	2723.3	2721.8	2721.3	2714.1	2708.4	2711.6
9.5°	2708.9	2704.9	2705.1	2700.7	2695.5	2697.0
10°	2692.0	2684.8	2686.5	2684.3	2681.3	2681.8
10.5°	2672.6	2662.7	2665.0	2666.9	2665.5	2665.0
11°	2651.1	2637.7	2641.1	2646.1	2647.3	2646.1
11.5°	2625.5	2609.6	2614.1	2622.5	2626.8	2625.5
12°	2598.5	2579.6	2585.3	2595.7	2602.7	2602.4
12.5°	2569.5	2549.9	2555.3	2568.2	2576.9	2578.6
13°	2539.9	2518.4	2524.1	2538.7	2550.8	2553.6
13.5°	2509.4	2487.8	2492.8	2508.4	2523.1	2527.5
14°	2478.3	2455.2	2461.1	2477.5	2493.8	2500.5
14.5°	2446.4	2423.3	2429.2	2446.9	2464.3	2473.3
15°	2414.7	2390.4	2396.6	2414.7	2434.3	2445.1
15.5°	2383.7	2359.0	2365.2	2384.6	2403.4	2416.2
16°	2352.9	2327.9	2334.7	2353.3	2372.8	2387.6
16.5°	2321.9	2298.2	2304.3	2323.3	2343.8	2359.0
17°	2292.0	2267.2	2273.4	2293.5	2313.4	2329.7
17.5°	2262.5	2236.9	2244.3	2263.2	2284.0	2299.7
18°	2233.0	2206.4	2213.8	2233.2	2253.4	2269.8
18.5°	2202.7	2176.3	2183.7	2203.9	2223.6	2240.1
19°	2174.1	2146.5	2154.9	2174.3	2193.2	2210.6
19.5°	2146.2	2116.0	2125.6	2145.4	2163.9	2181.2
20°	2118.3	2087.4	2097.5	2116.2	2133.8	2151.4
20.5°	2090.5	2057.7	2068.2	2088.1	2104.5	2121.9
21°	2062.6	2029.4	2039.5	2058.4	2074.7	2092.2
21.5°	2034.7	1999.8	2010.7	2029.2	2044.6	2062.7
22°	2006.1	1971.0	1981.9	1999.6	2015.3	2031.6

TEST NUMBER: P1590453

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1976.5	1941.1	1951.6	1970.1	1983.8	2000.5
23°	1944.1	1909.0	1919.0	1938.1	1950.7	1966.7
23.5°	1909.2	1874.4	1885.0	1904.1	1917.4	1933.0
24°	1873.7	1837.1	1848.8	1867.8	1881.3	1897.4
24.5°	1836.8	1796.2	1811.2	1828.8	1843.2	1861.2
25°	1798.3	1757.6	1771.8	1788.6	1803.4	1823.6
25.5°	1757.9	1718.1	1731.9	1746.7	1763.6	1786.6
26°	1717.5	1679.0	1691.5	1703.7	1722.5	1749.0
26.5°	1675.5	1638.2	1650.3	1660.4	1680.4	1712.4
27°	1632.2	1599.7	1608.8	1616.5	1636.5	1673.0
27.5°	1588.5	1560.2	1565.7	1572.6	1593.6	1634.3
28°	1543.7	1519.5	1522.8	1529.3	1552.9	1594.0
28.5°	1499.5	1478.5	1480.6	1486.4	1512.1	1553.7
29°	1456.6	1437.0	1438.4	1444.6	1472.1	1511.3
29.5°	1414.3	1394.0	1396.1	1403.4	1432.6	1469.9
30°	1372.3	1350.5	1352.5	1362.9	1393.9	1425.7
30.5°	1330.0	1305.5	1309.2	1322.1	1353.9	1383.2
31°	1289.0	1262.5	1266.1	1281.2	1314.2	1340.5
31.5°	1247.8	1218.3	1223.5	1240.5	1273.7	1298.5
32°	1207.4	1175.4	1181.6	1199.5	1231.9	1255.9
32.5°	1167.1	1133.3	1140.1	1158.6	1190.3	1214.8
33°	1126.7	1091.9	1099.9	1117.5	1148.2	1173.5
33.5°	1085.9	1049.6	1060.5	1075.5	1105.6	1132.0
34°	1045.9	1003.0	1023.3	1035.6	1062.9	1091.2
34.5°	1006.0	965.7	984.6	997.6	1022.0	1049.6
35°	967.5	928.4	945.9	959.6	983.2	1001.3
35.5°	928.5	891.0	907.1	921.6	944.4	962.9
36°	891.6	853.7	868.4	883.7	905.6	924.6
36.5°	854.1	817.5	829.8	845.7	866.8	886.2
37°	817.3	781.8	793.0	809.9	828.1	847.8
37.5°	781.1	747.1	756.8	774.5	792.0	808.1
38°	745.8	714.0	721.0	740.4	756.4	769.1
38.5°	711.6	681.3	686.3	705.7	720.4	731.4
39°	678.1	649.7	654.8	672.1	685.8	695.3
39.5°	645.0	617.6	622.7	637.9	650.8	659.4
40°	612.0	586.3	591.4	605.0	616.1	624.6
40.5°	580.8	556.8	561.1	572.2	581.4	591.6
41°	550.2	528.1	532.3	540.5	548.9	559.4
41.5°	520.6	500.3	503.9	510.0	516.2	527.6
42°	491.7	473.6	476.2	480.5	485.6	497.9
42.5°	463.2	447.9	449.4	450.6	455.4	469.1
43°	436.1	423.1	423.3	423.7	427.3	441.0
43.5°	410.0	398.7	398.2	395.9	399.5	413.4
44°	385.1	375.2	374.2	369.6	373.0	387.8
44.5°	361.0	352.4	351.1	343.7	347.1	362.5

TEST NUMBER: P1590453

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	337.7	330.7	328.6	319.6	322.4	338.2
45.5°	315.4	309.6	307.4	296.0	299.2	314.8
46°	294.0	289.7	287.1	273.8	277.0	293.4
46.5°	274.0	270.0	267.4	252.7	255.5	271.9
47°	255.5	251.2	248.6	233.3	235.4	251.9
47.5°	237.1	233.2	230.3	215.2	216.9	232.3
48°	218.7	215.9	213.1	198.2	199.7	214.6
48.5°	200.3	199.8	196.7	182.7	183.7	196.9
49°	184.1	184.1	181.1	168.4	168.3	180.8
49.5°	168.8	169.0	166.3	155.2	155.1	165.4
50°	154.8	154.7	151.8	142.6	142.1	150.4
50.5°	141.1	140.9	138.5	130.7	130.2	136.2
51°	128.5	127.9	126.0	119.6	118.5	123.3
51.5°	116.6	115.4	114.0	108.9	108.0	110.7
52°	105.3	103.8	102.6	98.5	98.6	99.1
52.5°	94.4	94.0	93.1	89.4	89.1	89.1
53°	84.1	84.1	83.6	80.2	79.6	79.1
53.5°	74.7	74.3	74.0	71.0	70.1	69.0
54°	65.5	64.5	64.5	61.9	60.6	59.1
54.5°	56.9	54.7	55.0	54.0	52.5	51.0
55°	49.3	47.2	47.6	46.9	45.3	43.8
55.5°	42.6	40.7	41.1	40.3	39.1	37.3
56°	36.1	34.1	34.6	34.0	32.7	30.9
56.5°	31.8	28.0	28.6	27.9	26.7	25.0
57°	27.5	23.0	23.4	22.8	21.6	20.3
57.5°	23.2	19.2	19.6	19.0	17.9	16.7
58°	19.0	16.4	16.8	16.2	15.2	14.2
58.5°	14.7	14.2	14.6	14.1	13.1	12.2
59°	12.7	12.5	12.8	12.3	11.5	10.7
59.5°	11.2	11.1	11.4	11.0	10.1	9.8
60°	10.0	10.2	10.2	10.2	9.3	8.9
60.5°	9.0	9.4	9.5	9.4	8.6	8.0
61°	8.2	8.6	8.7	8.6	7.8	7.1
61.5°	7.4	7.8	8.0	7.8	7.0	6.5
62°	6.8	7.0	7.3	6.9	6.4	5.9
62.5°	6.2	6.5	6.7	6.4	5.8	5.4
63°	5.7	5.9	6.2	5.9	5.4	5.0
63.5°	5.3	5.5	5.7	5.4	5.0	4.6
64°	4.9	5.1	5.3	5.0	4.6	4.2
64.5°	4.5	4.7	4.9	4.7	4.2	3.9
65°	4.2	4.4	4.6	4.3	3.9	3.6
65.5°	3.9	4.1	4.2	4.0	3.6	3.4
66°	3.6	3.8	3.9	3.7	3.3	3.1
66.5°	3.4	3.5	3.7	3.5	3.1	2.9
67°	3.1	3.3	3.4	3.2	2.9	2.7

TEST NUMBER: P1590453

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	2.9	3.0	3.2	3.0	2.7	2.5
68°	2.7	2.8	3.0	2.8	2.5	2.3
68.5°	2.5	2.6	2.7	2.6	2.3	2.1
69°	2.3	2.5	2.6	2.4	2.1	2.0
69.5°	2.2	2.3	2.4	2.2	2.0	1.8
70°	2.0	2.1	2.2	2.1	1.8	1.7
70.5°	1.9	2.0	2.0	1.9	1.7	1.6
71°	1.7	1.8	1.9	1.8	1.6	1.5
71.5°	1.6	1.7	1.8	1.7	1.5	1.3
72°	1.5	1.6	1.6	1.5	1.4	1.2
72.5°	1.4	1.5	1.5	1.4	1.3	1.1
73°	1.3	1.3	1.4	1.3	1.2	1.0
73.5°	1.2	1.2	1.3	1.2	1.1	1.0
74°	1.1	1.1	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	0.9	0.8	0.7
75.5°	0.8	0.9	0.9	0.9	0.7	0.7
76°	0.8	0.8	0.8	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	0.6	0.6	0.5
77.5°	0.6	0.6	0.6	0.6	0.5	0.4
78°	0.5	0.5	0.6	0.5	0.4	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	0.3	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°	0.1	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: P1590453

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3000K

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: P1590453

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	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	0.1	0.1	0.1	0.1	0.1
125.5°	0.1	0.2	0.2	0.2	0.1	0.1
126°	0.1	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	0.2	0.2	0.2	0.2
130.5°	0.3	0.3	0.3	0.3	0.2	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	0.3	0.3	0.3	0.3	0.3

TEST NUMBER: P1590453

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.4	0.4	0.4	0.4	0.3	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°	0.5	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	0.4	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	0.4
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°	0.8	0.5	0.5	0.5	0.5	0.5
144.5°	0.9	0.6	0.6	0.6	0.6	0.5
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°	0.9	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°	1.0	0.6	0.6	0.6	0.6	0.6
149°	1.1	0.6	0.6	0.6	0.6	0.6
149.5°	1.1	0.6	0.6	0.7	0.6	0.6
150°	1.1	0.7	0.7	0.7	0.7	0.7
150.5°	1.1	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°	1.2	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	0.7	0.7	0.7
156°	1.3	0.7	0.7	0.8	0.8	0.7
156.5°	1.3	0.7	0.7	0.8	0.8	0.8
157°	1.4	0.7	0.7	0.8	0.8	0.8

TEST NUMBER: P1590453

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.4	0.7	0.7	0.8	0.8	0.8
158°	1.4	0.7	0.8	0.8	0.8	0.8
158.5°	1.4	0.7	0.8	0.8	0.8	0.8
159°	1.4	0.7	0.8	0.8	0.8	0.8
159.5°	1.4	0.8	0.8	0.8	0.8	0.8
160°	1.4	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°	1.4	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	0.7	0.8	0.8	0.8	0.8
171.5°	1.4	0.7	0.8	0.8	0.8	0.8
172°	1.3	0.7	0.8	0.8	0.8	0.8
172.5°	1.3	0.7	0.8	0.8	0.8	0.8
173°	1.3	0.7	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°	1.2	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	0.8	0.8	0.8
176.5°	1.2	0.8	0.9	0.9	0.9	0.8
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	0.9	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	1.0	1.0



TEST NUMBER: P1590453

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3000K

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: P1590453

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-3000K

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	6.2	7.2	7.5	6.9	7.9	7.2	8.2	8.5
	3H	5.8	6.7	6.2	7.0	7.4	6.8	7.7	7.2	8.0	8.4
	4H	5.7	6.6	6.1	6.9	7.3	6.7	7.6	7.1	7.9	8.3
	6H	5.6	6.4	6.0	6.8	7.2	6.6	7.4	7.0	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	5.5	6.2	5.9	6.6	7.0	6.5	7.2	6.9	7.6	8.0
4H	2H	5.7	6.5	6.1	6.9	7.3	6.7	7.5	7.1	7.9	8.2
	3H	5.6	6.3	6.0	6.7	7.1	6.6	7.3	7.0	7.7	8.1
	4H	5.5	6.1	6.0	6.6	7.0	6.5	7.1	7.0	7.6	8.0
	6H	5.4	6.0	5.9	6.4	6.9	6.4	6.9	6.9	7.4	7.9
	8H	5.4	5.9	5.9	6.3	6.8	6.4	6.8	6.8	7.3	7.8
	12H	5.3	5.7	5.8	6.2	6.7	6.3	6.7	6.8	7.2	7.7
8H	4H	5.4	5.9	5.9	6.3	6.8	6.4	6.8	6.8	7.3	7.8
	6H	5.3	5.7	5.8	6.2	6.7	6.3	6.6	6.8	7.1	7.6
	8H	5.2	5.5	5.7	6.1	6.6	6.2	6.5	6.7	7.1	7.5
	12H	5.1	5.4	5.7	5.9	6.5	6.1	6.4	6.6	6.9	7.5
12H	4H	5.3	5.7	5.8	6.2	6.7	6.3	6.7	6.8	7.2	7.7
	6H	5.2	5.6	5.7	6.0	6.6	6.2	6.5	6.7	7.0	7.6
	8H	5.1	5.4	5.7	5.9	6.5	6.1	6.4	6.6	6.9	7.5



(END OF REPORT)