

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: P1590468

Luminaire Tested: HCDLS1525CSD4TRH-HI-3000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590468
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: HCDLS1525CSD4TRH-HI-3000K
Description: 4" Selectable Round Trim+ Haze (Semi-specular) 2500 Lumens 3000K

Light Source:
Ballast/Driver: -

Summary

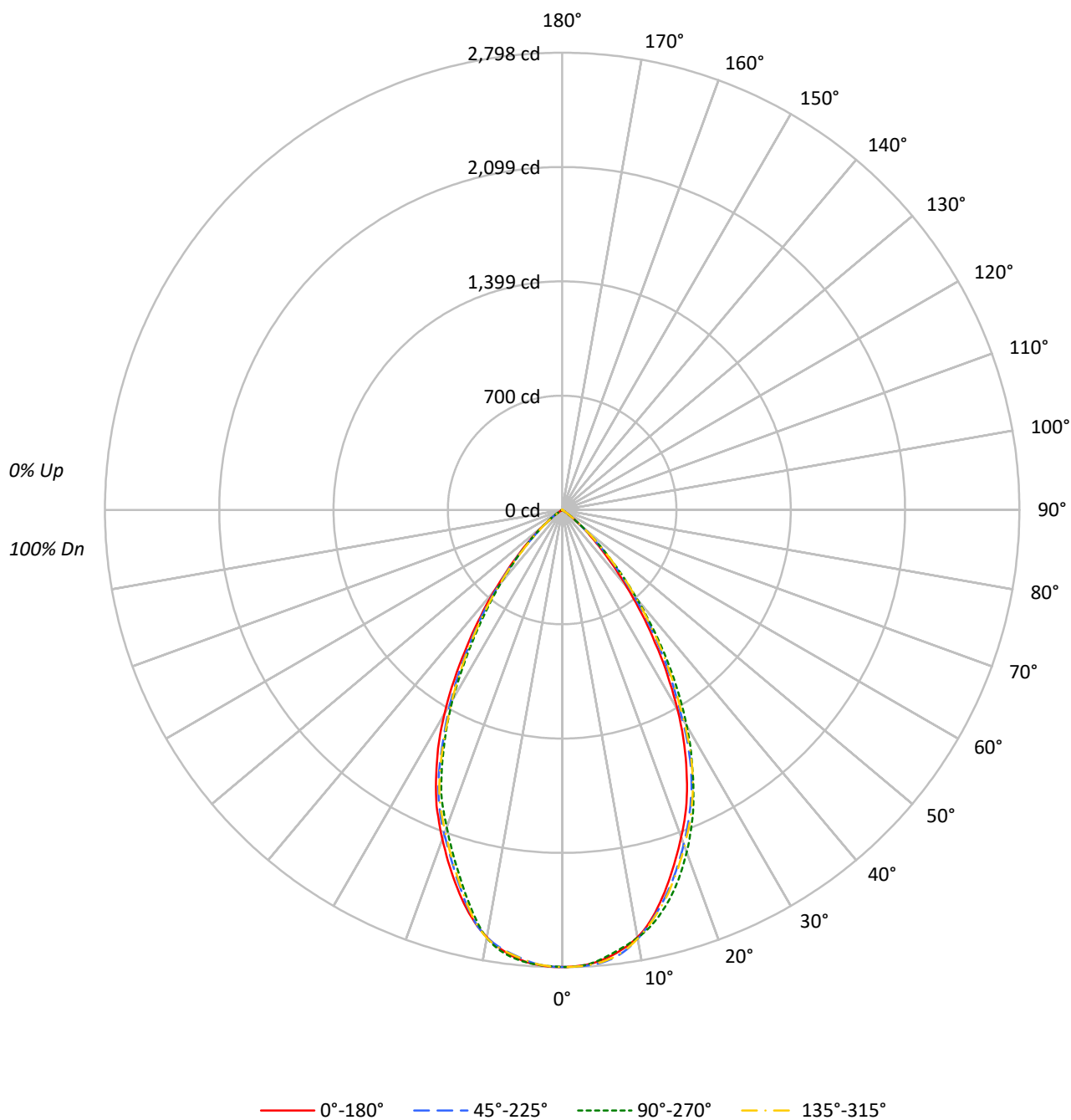
Lumens per Lamp: N/A
Luminaire Lumens: 2735.0 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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			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°	344961	344961	344961	344961
5°	342391	341660	342787	343245
10°	332572	332998	332510	332935
15°	309141	317837	310214	302220
20°	279600	292451	281399	271292
25°	245723	258625	248676	236836
30°	201050	217202	205394	190454
35°	149282	168044	152444	138411
40°	99572	115690	103566	93470
45°	58419	70071	61786	57111
50°	28573	32775	30607	29379
55°	9333	9892	9935	10064
60°	2171	2418	2245	2492
65°	1051	1226	1109	1255
70°	613	721	649	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: 70071 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.8	9.5
10°-20°	677.3	24.8
20°-30°	827.4	30.3
30°-40°	630.4	23.0
40°-50°	281.1	10.3
50°-60°	50.9	1.9
60°-70°	4.4	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°	1765.5	64.6
0°-40°	2395.8	87.6
0°-60°	2727.8	99.7
0°-90°	2733.3	99.9
90°-120°	0.0	0.0
90°-150°	0.8	0.0
90°-180°	2.0	0.1
0°-180°	2735.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2797	2797	2797	2797	2797	
5°	2765	2759	2768	2772	2765	261
15°	2421	2489	2429	2367	2421	676
25°	1806	1900	1827	1740	1806	821
35°	991	1116	1012	919	991	619
45°	335	402	354	327	335	267
55°	43	46	46	47	43	48
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°	2796.7	2796.7	2796.7	2796.7	2796.7	2796.7	2796.7	2796.7	2796.7	2796.7	2796.7
0.5°	2797.2	2796.3	2796.5	2797.2	2796.3	2796.5	2797.7	2797.2	2797.2	2796.3	2796.3
1°	2796.0	2796.0	2796.5	2797.2	2796.3	2796.5	2797.0	2797.0	2796.3	2795.3	2795.3
1.5°	2794.5	2795.0	2796.0	2796.3	2795.3	2796.0	2796.3	2796.0	2795.3	2793.8	2793.8
2°	2792.6	2793.5	2795.3	2795.0	2793.5	2794.3	2795.3	2795.0	2793.3	2791.1	2791.6
2.5°	2790.1	2792.6	2794.0	2792.8	2791.1	2791.8	2794.3	2793.5	2790.8	2788.1	2788.6
3°	2787.4	2791.1	2792.3	2789.9	2787.4	2788.9	2791.8	2791.8	2788.1	2784.0	2784.5
3.5°	2783.0	2789.4	2790.4	2786.2	2782.5	2785.0	2789.1	2789.4	2785.0	2778.8	2779.3
4°	2778.1	2786.9	2788.4	2781.3	2775.9	2779.6	2786.4	2786.9	2780.3	2772.4	2773.2
4.5°	2771.9	2783.5	2785.2	2775.1	2768.0	2772.9	2782.3	2783.5	2775.1	2765.1	2766.3
5°	2765.3	2779.3	2780.3	2767.5	2759.4	2764.8	2777.1	2779.6	2768.5	2757.0	2758.7
5.5°	2757.7	2773.7	2774.9	2759.7	2750.1	2756.5	2771.0	2774.1	2761.6	2748.1	2750.8
6°	2749.8	2766.8	2768.3	2750.6	2740.3	2747.1	2764.1	2767.8	2753.3	2739.0	2742.2
6.5°	2740.7	2758.9	2760.6	2741.5	2730.2	2737.6	2756.0	2760.1	2743.9	2729.7	2733.6
7°	2731.2	2749.3	2751.1	2731.7	2720.4	2727.7	2746.6	2751.1	2733.9	2719.6	2724.8
7.5°	2720.6	2738.5	2740.3	2721.1	2710.5	2717.2	2736.3	2740.5	2723.8	2709.6	2715.2
8°	2710.0	2726.7	2728.0	2709.6	2700.5	2706.4	2724.5	2728.0	2711.8	2699.2	2705.4
8.5°	2697.8	2713.2	2714.5	2697.5	2690.4	2695.8	2711.3	2715.0	2699.0	2687.7	2694.6
9°	2684.7	2698.3	2699.2	2685.0	2680.1	2683.8	2696.5	2699.7	2685.5	2675.9	2682.8
9.5°	2670.3	2681.8	2683.0	2671.5	2669.8	2671.2	2681.1	2683.0	2671.2	2662.9	2670.0
10°	2655.3	2664.4	2665.3	2657.0	2658.7	2657.7	2664.1	2665.3	2654.8	2649.1	2655.5
10.5°	2638.6	2645.4	2646.4	2641.5	2646.7	2644.0	2646.4	2645.9	2637.3	2632.7	2638.3
11°	2619.9	2625.6	2626.5	2625.1	2633.4	2628.7	2627.5	2626.5	2619.2	2615.5	2619.4
11.5°	2599.5	2603.9	2606.4	2607.9	2619.2	2613.0	2608.1	2605.9	2599.5	2596.3	2598.3
12°	2576.7	2581.6	2585.3	2588.7	2604.2	2596.1	2588.5	2584.5	2578.6	2574.0	2573.7
12.5°	2553.1	2558.5	2562.7	2570.3	2587.0	2577.4	2567.8	2562.4	2555.1	2549.9	2546.2
13°	2528.3	2535.2	2540.6	2550.2	2569.8	2559.0	2546.5	2538.9	2532.7	2524.9	2519.5
13.5°	2502.5	2510.4	2517.7	2530.0	2550.9	2540.1	2524.6	2516.0	2507.9	2498.3	2491.2
14°	2475.7	2485.1	2494.6	2508.2	2530.7	2519.2	2502.3	2491.5	2482.9	2471.1	2461.7
14.5°	2448.8	2459.5	2471.1	2486.5	2510.1	2498.1	2478.7	2467.1	2455.8	2442.8	2432.1
15°	2420.9	2433.5	2446.3	2463.7	2489.0	2475.5	2456.1	2442.2	2429.3	2414.2	2401.3
15.5°	2392.3	2406.8	2421.6	2439.9	2466.9	2452.7	2431.3	2416.5	2402.2	2385.3	2370.6
16°	2364.0	2379.4	2395.9	2414.4	2443.2	2428.6	2406.4	2389.7	2374.2	2355.2	2340.4
16.5°	2335.7	2352.5	2370.0	2389.8	2419.2	2403.8	2380.1	2362.8	2346.0	2325.7	2310.5
17°	2306.7	2325.1	2343.5	2364.1	2394.3	2378.3	2353.7	2335.3	2317.1	2296.2	2280.6
17.5°	2277.0	2297.1	2315.9	2337.7	2368.6	2352.2	2327.2	2306.7	2288.2	2266.7	2250.7
18°	2247.3	2268.4	2288.1	2310.0	2341.2	2325.8	2299.3	2278.7	2259.7	2237.4	2221.2
18.5°	2218.0	2239.4	2260.3	2282.3	2314.0	2298.1	2271.8	2251.0	2230.7	2207.9	2192.3
19°	2188.7	2210.4	2233.0	2254.5	2285.5	2270.2	2244.4	2222.6	2200.8	2179.3	2163.1
19.5°	2159.6	2181.8	2205.0	2226.2	2257.6	2242.1	2216.8	2193.5	2172.1	2150.8	2137.2
20°	2130.1	2152.4	2176.8	2197.7	2228.0	2214.1	2189.3	2165.9	2143.8	2122.3	2109.2
20.5°	2100.9	2124.1	2148.3	2169.0	2199.0	2185.5	2160.8	2138.6	2114.2	2093.8	2081.3
21°	2071.5	2094.3	2119.4	2139.4	2169.2	2155.6	2132.6	2110.1	2084.5	2065.3	2053.3
21.5°	2042.3	2065.1	2090.9	2109.5	2137.5	2124.8	2104.3	2081.7	2054.9	2036.8	2025.4
22°	2011.5	2034.7	2060.9	2078.1	2105.8	2093.9	2076.1	2053.2	2025.2	2008.3	1994.6

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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°	1980.7	2005.4	2031.0	2048.0	2074.0	2063.0	2047.9	2024.7	1998.0	1976.7	1964.2
23°	1947.2	1973.6	2000.8	2014.2	2042.3	2032.1	2019.7	1993.2	1965.7	1943.2	1932.4
23.5°	1913.9	1942.2	1970.0	1982.6	2010.5	2001.3	1987.6	1962.2	1932.3	1909.4	1898.6
24°	1878.6	1909.4	1937.6	1947.4	1973.5	1966.6	1956.4	1930.3	1897.7	1874.9	1862.2
24.5°	1842.8	1875.4	1906.1	1913.7	1937.7	1932.1	1924.1	1897.1	1862.7	1838.1	1824.1
25°	1805.5	1840.2	1872.6	1877.0	1900.3	1896.5	1890.8	1863.6	1827.2	1800.7	1784.7
25.5°	1768.9	1805.1	1838.6	1842.2	1864.0	1860.7	1856.5	1829.4	1791.1	1762.3	1743.4
26°	1731.6	1768.4	1803.0	1805.3	1827.4	1824.3	1821.5	1794.0	1755.0	1723.7	1700.1
26.5°	1695.5	1731.4	1766.7	1768.1	1790.2	1787.2	1784.8	1756.6	1717.5	1684.1	1656.6
27°	1656.5	1693.6	1727.2	1730.8	1752.9	1749.5	1746.8	1719.0	1680.5	1643.8	1613.8
27.5°	1618.1	1655.6	1686.3	1692.7	1716.7	1712.7	1707.8	1680.5	1643.3	1602.3	1572.3
28°	1578.3	1617.0	1644.0	1654.0	1679.6	1675.2	1665.8	1640.7	1604.5	1561.8	1531.2
28.5°	1538.3	1575.2	1599.8	1614.1	1642.2	1636.2	1624.0	1599.9	1565.2	1520.2	1489.8
29°	1496.3	1535.3	1555.3	1574.4	1604.4	1598.1	1580.4	1557.7	1524.9	1479.6	1450.6
29.5°	1455.3	1493.6	1509.1	1534.3	1565.7	1558.4	1536.0	1514.0	1483.8	1439.5	1411.1
30°	1411.6	1450.2	1464.1	1492.6	1525.0	1518.2	1489.6	1469.0	1442.1	1399.2	1371.5
30.5°	1369.5	1405.0	1419.6	1449.4	1484.5	1476.2	1444.2	1423.4	1398.8	1358.6	1331.4
31°	1327.3	1361.3	1376.4	1406.6	1443.5	1434.7	1400.2	1378.0	1356.6	1319.1	1290.5
31.5°	1285.6	1315.2	1334.2	1363.3	1402.7	1392.3	1357.3	1332.4	1312.8	1279.5	1249.6
32°	1243.4	1270.6	1293.5	1319.6	1361.4	1349.3	1316.0	1288.5	1271.4	1240.3	1208.1
32.5°	1202.8	1225.1	1252.7	1276.6	1321.4	1306.6	1274.8	1245.8	1226.4	1200.2	1167.0
33°	1161.9	1183.3	1213.6	1233.9	1281.2	1263.1	1236.0	1203.7	1182.7	1161.4	1125.2
33.5°	1120.8	1138.9	1173.9	1191.1	1240.5	1220.2	1196.4	1162.9	1138.9	1120.8	1083.2
34°	1080.4	1098.7	1134.6	1150.7	1198.9	1178.5	1157.5	1122.9	1096.8	1080.5	1043.8
34.5°	1039.2	1056.6	1093.8	1110.6	1157.4	1137.4	1118.4	1083.5	1053.5	1039.7	1003.4
35°	991.4	1016.3	1053.4	1071.6	1116.0	1097.0	1079.1	1045.2	1012.4	997.9	965.9
35.5°	953.4	977.5	1014.3	1033.5	1074.8	1057.3	1039.2	1005.5	972.2	957.1	929.2
36°	915.4	938.7	975.9	997.1	1032.6	1018.5	999.7	965.8	933.8	917.2	893.4
36.5°	877.4	899.9	937.4	959.2	991.4	979.1	960.3	926.6	893.9	877.7	857.1
37°	839.4	861.1	898.9	921.4	950.2	940.9	921.2	887.7	856.0	839.2	822.5
37.5°	800.1	822.2	860.5	883.5	909.9	903.2	882.6	848.2	819.0	800.8	787.1
38°	761.5	787.0	822.0	845.6	870.5	865.9	846.5	810.6	782.6	764.5	752.2
38.5°	724.2	750.9	786.5	808.1	830.8	828.3	810.1	774.0	746.5	728.9	716.9
39°	688.4	716.7	752.4	772.1	792.7	793.1	775.7	738.3	711.7	694.2	683.0
39.5°	652.9	682.1	717.3	736.0	755.2	756.2	741.4	704.2	677.2	658.8	649.0
40°	618.4	649.2	683.3	700.5	718.5	721.3	707.5	671.5	643.2	624.6	615.9
40.5°	585.8	617.5	650.1	665.8	683.1	684.6	673.7	638.6	609.5	591.3	583.1
41°	553.8	585.5	616.7	632.1	647.8	650.4	640.4	607.0	576.9	559.0	551.9
41.5°	522.4	554.2	583.1	599.2	614.3	615.9	607.4	576.3	545.5	527.2	521.9
42°	493.0	525.2	552.0	567.5	581.4	583.1	574.5	546.7	515.2	495.9	492.9
42.5°	464.5	495.7	520.5	535.9	549.7	550.0	541.9	516.8	485.9	466.4	463.6
43°	436.6	466.9	490.1	503.8	518.5	518.5	510.3	488.1	457.9	437.9	435.3
43.5°	409.3	437.8	460.1	472.9	487.7	486.9	479.6	459.6	429.8	410.5	406.9
44°	383.9	410.4	432.7	442.6	457.7	457.5	450.2	432.2	403.9	384.5	380.8
44.5°	359.0	383.9	405.0	413.2	429.0	427.8	421.1	404.8	378.5	359.5	353.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	334.9	358.6	378.6	384.6	401.7	399.9	393.6	378.8	354.2	335.2	328.2
45.5°	311.7	333.5	353.2	356.4	374.0	371.6	367.0	353.4	330.7	312.0	303.3
46°	290.5	310.0	328.1	330.0	347.9	345.3	341.0	328.9	307.6	290.1	281.1
46.5°	269.2	286.6	303.4	304.3	322.0	318.9	316.3	304.7	286.2	271.0	261.2
47°	249.4	265.7	279.8	280.1	298.3	294.1	291.7	281.9	267.1	251.9	241.3
47.5°	230.0	244.4	256.8	256.6	276.5	272.6	270.2	261.6	248.2	232.7	221.4
48°	212.5	225.1	235.0	234.7	254.8	251.0	248.9	241.5	229.2	213.6	201.6
48.5°	195.0	205.6	214.0	213.9	233.0	229.4	227.5	221.3	210.2	194.6	185.4
49°	179.0	188.2	194.0	194.7	211.2	207.9	206.2	201.1	191.3	178.6	170.6
49.5°	163.8	171.4	174.9	176.4	189.6	186.4	184.8	181.1	175.0	163.4	157.0
50°	148.9	155.4	157.1	158.9	170.8	168.5	166.9	164.2	159.5	149.4	144.2
50.5°	134.8	139.6	140.8	142.5	153.0	151.5	150.0	148.1	144.9	136.1	132.1
51°	122.1	125.8	125.8	127.3	136.9	136.0	134.5	133.1	130.8	123.7	120.8
51.5°	109.6	112.4	111.7	113.1	121.6	121.3	120.2	119.0	117.8	112.1	110.2
52°	98.2	100.1	99.1	100.3	107.5	107.6	106.6	106.0	105.1	101.0	100.0
52.5°	88.2	90.0	89.0	90.0	94.4	94.9	94.1	93.6	93.2	90.5	90.0
53°	78.3	79.9	79.0	79.7	82.5	83.3	82.6	82.2	82.0	80.3	80.3
53.5°	68.4	69.8	68.9	69.4	71.4	72.2	72.0	71.5	71.9	70.8	71.3
54°	58.5	59.7	58.8	59.0	61.7	62.6	62.5	61.7	62.2	61.9	62.7
54.5°	50.5	49.5	48.8	48.8	53.2	54.1	54.0	53.1	53.7	53.7	54.7
55°	43.4	42.5	41.9	42.0	46.0	46.8	46.6	45.9	46.2	46.3	47.3
55.5°	37.0	36.0	35.4	35.3	39.3	40.0	40.0	39.2	39.4	39.8	40.7
56°	30.5	29.5	28.9	28.9	32.8	33.2	33.2	34.9	34.5	35.3	34.1
56.5°	24.7	23.8	23.4	23.4	29.0	29.4	29.4	30.7	29.7	30.9	30.0
57°	20.1	19.3	18.9	19.2	25.2	25.6	25.6	26.4	24.9	26.4	25.9
57.5°	16.5	16.0	15.7	16.1	21.4	21.9	21.8	22.1	20.1	22.0	21.9
58°	14.0	13.6	13.4	13.8	17.6	18.1	18.0	17.8	15.3	17.6	17.8
58.5°	12.1	11.7	11.6	11.9	13.8	14.4	14.2	13.6	13.2	13.1	13.8
59°	10.6	10.3	10.2	10.5	12.2	12.7	12.5	11.9	11.5	11.5	11.9
59.5°	9.7	9.4	9.4	9.7	10.8	11.3	11.1	10.6	10.2	10.1	10.5
60°	8.8	8.6	8.5	8.8	9.8	10.2	10.0	9.4	9.1	9.0	9.3
60.5°	7.9	7.7	7.7	8.0	8.8	9.2	9.0	8.5	8.2	8.1	8.4
61°	7.1	6.9	6.9	7.1	8.0	8.3	8.2	7.7	7.4	7.3	7.6
61.5°	6.4	6.2	6.3	6.5	7.3	7.6	7.5	7.0	6.7	6.7	6.9
62°	5.9	5.7	5.7	6.0	6.7	7.0	6.9	6.4	6.2	6.1	6.3
62.5°	5.4	5.2	5.3	5.5	6.2	6.5	6.3	5.9	5.7	5.6	5.8
63°	4.9	4.8	4.8	5.1	5.7	5.9	5.8	5.4	5.2	5.1	5.3
63.5°	4.6	4.5	4.5	4.7	5.3	5.5	5.4	5.0	4.8	4.7	4.9
64°	4.2	4.1	4.1	4.3	4.9	5.1	5.0	4.6	4.4	4.4	4.5
64.5°	3.9	3.8	3.8	4.0	4.5	4.7	4.6	4.3	4.1	4.1	4.2
65°	3.6	3.5	3.6	3.7	4.2	4.4	4.3	4.0	3.8	3.8	3.9
65.5°	3.3	3.3	3.3	3.5	3.9	4.1	4.0	3.7	3.5	3.5	3.6
66°	3.1	3.0	3.1	3.2	3.6	3.8	3.7	3.5	3.3	3.3	3.4
66.5°	2.9	2.8	2.8	3.0	3.4	3.6	3.4	3.2	3.1	3.0	3.1
67°	2.7	2.6	2.6	2.8	3.2	3.3	3.2	3.0	2.8	2.8	2.9

TEST NUMBER: P1590468

CATALOG NUMBER: HCDLS1525CSD4TRH-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	2.4	2.5	2.6	2.9	3.1	3.0	2.8	2.6	2.6	2.7
68°	2.3	2.3	2.3	2.4	2.7	2.9	2.8	2.6	2.5	2.4	2.5
68.5°	2.1	2.1	2.1	2.2	2.5	2.7	2.6	2.4	2.3	2.3	2.3
69°	2.0	1.9	2.0	2.1	2.4	2.5	2.4	2.2	2.1	2.1	2.2
69.5°	1.8	1.8	1.8	1.9	2.2	2.3	2.2	2.1	2.0	2.0	2.0
70°	1.7	1.7	1.7	1.8	2.0	2.2	2.1	1.9	1.8	1.8	1.9
70.5°	1.6	1.5	1.6	1.7	1.9	2.0	1.9	1.8	1.7	1.7	1.7
71°	1.4	1.4	1.4	1.5	1.8	1.9	1.8	1.7	1.6	1.6	1.6
71.5°	1.3	1.3	1.3	1.4	1.6	1.7	1.7	1.5	1.5	1.4	1.5
72°	1.2	1.2	1.2	1.3	1.5	1.6	1.5	1.4	1.4	1.3	1.4
72.5°	1.1	1.1	1.1	1.2	1.4	1.5	1.4	1.3	1.3	1.2	1.3
73°	1.0	1.0	1.0	1.1	1.3	1.4	1.3	1.2	1.2	1.1	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	0.8	0.9	0.9	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	0.9	0.9	0.9	0.9
75°	0.7	0.7	0.7	0.8	0.9	1.0	0.9	0.9	0.8	0.8	0.8
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	0.6	0.6	0.6	0.6
77°	0.5	0.5	0.5	0.5	0.6	0.7	0.7	0.6	0.5	0.5	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	0.2	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: P1590468

CATALOG NUMBER: HCDLS1525CSD4TRH-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: P1590468

CATALOG NUMBER: HCDLS1525CSD4TRH-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	0.1	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	0.2	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	0.3	0.4	0.4
133.5°	0.3	0.3	0.3	0.3	0.3	0.3	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: P1590468

CATALOG NUMBER: HCDLS1525CSD4TRH-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°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5
136°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	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	0.5	0.6
138.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	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	0.6
140.5°	0.5	0.4	0.4	0.4	0.6	0.6	0.6	0.6	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	0.8	0.9	0.9
145°	0.6	0.5	0.5	0.5	0.8	0.8	0.8	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	0.5	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	0.9	0.9
147°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	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	1.0	1.1	1.1
149.5°	0.6	0.6	0.6	0.6	1.0	1.1	1.0	1.1	1.1	1.1	1.1
150°	0.6	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	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
151.5°	0.7	0.7	0.6	0.6	1.1	1.1	1.1	1.1	1.2	1.2	1.2
152°	0.7	0.7	0.6	0.6	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	1.2	1.2
154°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.3	1.3	1.3
154.5°	0.7	0.7	0.7	0.7	1.2	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°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
157°	0.8	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.4	1.4	1.4

TEST NUMBER: P1590468

CATALOG NUMBER: HCDLS1525CSD4TRH-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	0.7	0.7	0.7	1.3	1.3	1.3	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	0.7	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	1.4	1.4	1.4
160.5°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.4	1.5	1.5	1.5
161°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.5	1.5	1.5	1.5
161.5°	0.8	0.8	0.8	0.7	1.4	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	1.4	1.5	1.5	1.5	1.5	1.5	1.5
167.5°	0.8	0.8	0.8	0.8	1.4	1.4	1.5	1.5	1.5	1.5	1.5
168°	0.8	0.8	0.8	0.8	1.4	1.4	1.5	1.5	1.5	1.5	1.5
168.5°	0.8	0.8	0.8	0.8	1.4	1.4	1.4	1.5	1.5	1.4	1.4
169°	0.8	0.8	0.8	0.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4
169.5°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
170°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
170.5°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
171°	0.8	0.8	0.8	0.7	1.3	1.4	1.4	1.4	1.4	1.4	1.4
171.5°	0.8	0.8	0.8	0.7	1.3	1.3	1.4	1.4	1.4	1.4	1.3
172°	0.8	0.8	0.8	0.7	1.3	1.3	1.4	1.4	1.4	1.3	1.3
172.5°	0.8	0.8	0.8	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
173°	0.8	0.8	0.8	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
173.5°	0.8	0.8	0.8	0.7	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	1.2	1.3	1.3	1.3	1.3	1.2
175°	0.8	0.8	0.8	0.8	1.2	1.2	1.3	1.3	1.3	1.2	1.2
175.5°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	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	0.8	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	1.1	1.2	1.2	1.2	1.1	1.1
178°	0.9	0.9	0.9	0.9	1.1	1.1	1.2	1.2	1.1	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: P1590468

CATALOG NUMBER: HCDLS1525CSD4TRH-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: P1590468

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2796.7	2796.7	2796.7	2796.7	2796.7	2796.7
0.5°	2797.0	2795.0	2796.0	2797.0	2796.7	2797.2
1°	2796.3	2794.3	2795.3	2795.8	2795.5	2796.0
1.5°	2795.0	2793.1	2794.3	2794.0	2793.5	2794.5
2°	2793.5	2791.6	2792.1	2791.1	2790.8	2792.6
2.5°	2790.8	2789.9	2789.9	2788.1	2787.9	2790.1
3°	2788.4	2788.1	2787.4	2784.0	2783.0	2787.4
3.5°	2784.7	2785.2	2783.7	2779.1	2777.3	2783.0
4°	2780.5	2781.5	2779.6	2773.2	2771.2	2778.1
4.5°	2774.9	2777.3	2774.6	2766.8	2764.3	2771.9
5°	2769.0	2772.2	2769.2	2759.4	2756.5	2765.3
5.5°	2762.8	2766.5	2763.1	2752.0	2748.4	2757.7
6°	2755.7	2759.9	2756.5	2744.4	2739.5	2749.8
6.5°	2747.9	2752.8	2748.8	2736.6	2731.4	2740.7
7°	2739.5	2743.7	2740.7	2728.2	2722.1	2731.2
7.5°	2730.4	2734.1	2730.9	2719.9	2713.2	2720.6
8°	2720.1	2722.8	2720.4	2709.6	2703.4	2710.0
8.5°	2709.3	2710.0	2708.1	2699.5	2693.1	2697.8
9°	2696.3	2694.8	2694.3	2687.2	2681.6	2684.7
9.5°	2682.0	2678.1	2678.4	2673.9	2668.8	2670.3
10°	2665.3	2658.2	2659.9	2657.7	2654.8	2655.3
10.5°	2646.2	2636.4	2638.6	2640.5	2639.1	2638.6
11°	2624.8	2611.6	2615.0	2619.9	2621.1	2619.9
11.5°	2599.5	2583.8	2588.2	2596.6	2600.7	2599.5
12°	2572.7	2554.1	2559.7	2570.0	2576.9	2576.7
12.5°	2544.0	2524.6	2530.0	2542.8	2551.4	2553.1
13°	2514.8	2493.4	2499.1	2513.6	2525.6	2528.3
13.5°	2484.6	2463.2	2468.1	2483.6	2498.1	2502.5
14°	2453.8	2430.9	2436.7	2453.0	2469.1	2475.7
14.5°	2422.2	2399.3	2405.1	2422.7	2439.9	2448.8
15°	2390.8	2366.7	2372.8	2390.8	2410.2	2420.9
15.5°	2360.1	2335.6	2341.8	2361.0	2379.7	2392.3
16°	2329.6	2304.9	2311.6	2330.0	2349.3	2364.0
16.5°	2298.9	2275.4	2281.5	2300.3	2320.6	2335.7
17°	2269.3	2244.8	2250.9	2270.8	2290.5	2306.7
17.5°	2240.1	2214.7	2222.1	2240.8	2261.4	2277.0
18°	2210.9	2184.5	2191.9	2211.1	2231.1	2247.3
18.5°	2180.9	2154.7	2162.0	2182.1	2201.6	2218.0
19°	2152.6	2125.2	2133.5	2152.8	2171.5	2188.7
19.5°	2125.0	2095.0	2104.6	2124.1	2142.5	2159.6
20°	2097.4	2066.8	2076.7	2095.3	2112.6	2130.1
20.5°	2069.8	2037.3	2047.7	2067.4	2083.7	2100.9
21°	2042.2	2009.3	2019.3	2038.0	2054.2	2071.5
21.5°	2014.6	1980.0	1990.8	2009.2	2024.3	2042.3
22°	1986.2	1951.5	1962.3	1979.8	1995.3	2011.5

TEST NUMBER: P1590468

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1956.9	1921.8	1932.3	1950.5	1964.2	1980.7
23°	1924.8	1890.1	1900.0	1918.9	1931.3	1947.2
23.5°	1890.3	1855.8	1866.4	1885.2	1898.4	1913.9
24°	1855.1	1818.9	1830.5	1849.3	1862.6	1878.6
24.5°	1818.7	1778.4	1793.3	1810.7	1825.0	1842.8
25°	1780.5	1740.2	1754.3	1770.9	1785.5	1805.5
25.5°	1740.5	1701.1	1714.8	1729.4	1746.1	1768.9
26°	1700.5	1662.4	1674.7	1686.8	1705.5	1731.6
26.5°	1658.9	1622.0	1634.0	1644.0	1663.8	1695.5
27°	1616.1	1583.9	1592.9	1600.5	1620.3	1656.5
27.5°	1572.8	1544.8	1550.2	1557.0	1577.9	1618.1
28°	1528.4	1504.4	1507.7	1514.2	1537.5	1578.3
28.5°	1484.6	1463.9	1466.0	1471.7	1497.1	1538.3
29°	1442.1	1422.8	1424.2	1430.3	1457.5	1496.3
29.5°	1400.3	1380.2	1382.2	1389.5	1418.4	1455.3
30°	1358.7	1337.2	1339.1	1349.4	1380.1	1411.6
30.5°	1316.8	1292.6	1296.2	1309.0	1340.5	1369.5
31°	1276.2	1250.0	1253.5	1268.5	1301.2	1327.3
31.5°	1235.4	1206.2	1211.4	1228.3	1261.1	1285.6
32°	1195.4	1163.8	1169.9	1187.6	1219.7	1243.4
32.5°	1155.5	1122.1	1128.8	1147.1	1178.5	1202.8
33°	1115.5	1081.1	1089.0	1106.5	1136.8	1161.9
33.5°	1075.1	1039.2	1050.0	1064.9	1094.7	1120.8
34°	1035.6	993.1	1013.1	1025.4	1052.4	1080.4
34.5°	996.0	956.1	974.8	987.7	1011.9	1039.2
35°	957.9	919.2	936.5	950.1	973.4	991.4
35.5°	919.3	882.2	898.2	912.5	935.1	953.4
36°	882.7	845.2	859.9	874.9	896.6	915.4
36.5°	845.7	809.5	821.6	837.3	858.3	877.4
37°	809.3	774.1	785.1	801.9	819.9	839.4
37.5°	773.4	739.7	749.3	766.8	784.2	800.1
38°	738.4	707.0	713.9	733.1	748.9	761.5
38.5°	704.5	674.5	679.5	698.7	713.2	724.2
39°	671.4	643.3	648.3	665.4	679.0	688.4
39.5°	638.6	611.5	616.6	631.6	644.4	652.9
40°	605.9	580.5	585.5	599.0	610.0	618.4
40.5°	575.1	551.2	555.6	566.6	575.7	585.8
41°	544.7	522.9	527.1	535.2	543.5	553.8
41.5°	515.5	495.4	498.9	505.0	511.1	522.4
42°	486.8	468.9	471.4	475.7	480.8	493.0
42.5°	458.6	443.5	445.0	446.1	450.9	464.5
43°	431.8	418.9	419.1	419.5	423.0	436.6
43.5°	405.9	394.7	394.3	391.9	395.5	409.3
44°	381.3	371.5	370.5	365.9	369.3	383.9
44.5°	357.5	349.0	347.7	340.3	343.7	359.0

TEST NUMBER: P1590468

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	334.3	327.4	325.3	316.4	319.2	334.9
45.5°	312.3	306.6	304.4	293.1	296.2	311.7
46°	291.1	286.8	284.2	271.1	274.2	290.5
46.5°	271.2	267.4	264.8	250.2	253.0	269.2
47°	253.0	248.8	246.1	231.0	233.0	249.4
47.5°	234.8	230.9	228.1	213.1	214.7	230.0
48°	216.6	213.8	211.0	196.2	197.7	212.5
48.5°	198.3	197.8	194.8	180.9	181.9	195.0
49°	182.3	182.2	179.4	166.7	166.7	179.0
49.5°	167.1	167.3	164.6	153.7	153.6	163.8
50°	153.2	153.1	150.3	141.2	140.7	148.9
50.5°	139.7	139.5	137.2	129.5	128.9	134.8
51°	127.2	126.6	124.7	118.4	117.3	122.1
51.5°	115.4	114.3	112.9	107.9	106.9	109.6
52°	104.3	102.8	101.6	97.6	97.7	98.2
52.5°	93.5	93.0	92.2	88.5	88.2	88.2
53°	83.3	83.3	82.7	79.4	78.8	78.3
53.5°	74.0	73.6	73.3	70.3	69.4	68.4
54°	64.8	63.9	63.9	61.2	60.0	58.5
54.5°	56.3	54.1	54.4	53.5	52.0	50.5
55°	48.8	46.8	47.2	46.4	44.8	43.4
55.5°	42.2	40.3	40.7	39.9	38.7	37.0
56°	35.7	33.8	34.2	33.6	32.3	30.5
56.5°	31.4	27.7	28.4	27.6	26.4	24.7
57°	27.2	22.8	23.2	22.6	21.4	20.1
57.5°	23.0	19.0	19.4	18.8	17.8	16.5
58°	18.8	16.2	16.6	16.1	15.1	14.0
58.5°	14.5	14.0	14.5	13.9	13.0	12.1
59°	12.6	12.3	12.7	12.2	11.3	10.6
59.5°	11.1	10.9	11.3	10.9	10.0	9.7
60°	9.9	10.1	10.1	10.1	9.3	8.8
60.5°	9.0	9.3	9.4	9.3	8.5	7.9
61°	8.1	8.5	8.7	8.5	7.7	7.1
61.5°	7.4	7.7	7.9	7.7	6.9	6.4
62°	6.7	7.0	7.2	6.9	6.3	5.9
62.5°	6.2	6.4	6.6	6.3	5.8	5.4
63°	5.7	5.9	6.1	5.8	5.3	4.9
63.5°	5.2	5.4	5.7	5.4	4.9	4.6
64°	4.8	5.0	5.2	5.0	4.5	4.2
64.5°	4.5	4.7	4.9	4.6	4.2	3.9
65°	4.2	4.3	4.5	4.3	3.9	3.6
65.5°	3.9	4.0	4.2	4.0	3.6	3.3
66°	3.6	3.7	3.9	3.7	3.3	3.1
66.5°	3.3	3.5	3.6	3.4	3.1	2.9
67°	3.1	3.2	3.4	3.2	2.9	2.7

TEST NUMBER: P1590468

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	2.9	3.0	3.1	3.0	2.7	2.5
68°	2.7	2.8	2.9	2.8	2.5	2.3
68.5°	2.5	2.6	2.7	2.6	2.3	2.1
69°	2.3	2.4	2.5	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	1.9	2.0	1.9	1.7	1.6
71°	1.7	1.8	1.9	1.8	1.6	1.4
71.5°	1.6	1.7	1.8	1.6	1.5	1.3
72°	1.5	1.6	1.6	1.5	1.3	1.2
72.5°	1.4	1.4	1.5	1.4	1.2	1.1
73°	1.3	1.3	1.4	1.3	1.1	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	1.0	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	0.5	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°	0.4	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°	0.3	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°	0.0	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: P1590468

CATALOG NUMBER: HCDLS1525CSD4TRH-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: P1590468

CATALOG NUMBER: HCDLS1525CSD4TRH-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	0.2	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: P1590468

CATALOG NUMBER: HCDLS1525CSD4TRH-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	0.3
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	0.4	0.4	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°	0.7	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	0.5	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	0.6	0.6	0.6
150°	1.1	0.6	0.6	0.7	0.7	0.6
150.5°	1.1	0.7	0.7	0.7	0.7	0.7
151°	1.1	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°	1.2	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	0.7	0.7	0.7
156.5°	1.3	0.7	0.7	0.7	0.7	0.7
157°	1.3	0.7	0.7	0.8	0.8	0.8

TEST NUMBER: P1590468

CATALOG NUMBER: HCDLS1525CSD4TRH-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	0.7	0.8	0.8	0.8
158.5°	1.4	0.7	0.7	0.8	0.8	0.8
159°	1.4	0.7	0.8	0.8	0.8	0.8
159.5°	1.4	0.7	0.8	0.8	0.8	0.8
160°	1.4	0.7	0.8	0.8	0.8	0.8
160.5°	1.4	0.7	0.8	0.8	0.8	0.8
161°	1.5	0.7	0.8	0.8	0.8	0.8
161.5°	1.5	0.7	0.8	0.8	0.8	0.8
162°	1.5	0.7	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	0.7	0.8	0.8	0.8	0.8
167.5°	1.5	0.7	0.8	0.8	0.8	0.8
168°	1.5	0.7	0.8	0.8	0.8	0.8
168.5°	1.4	0.7	0.8	0.8	0.8	0.8
169°	1.4	0.7	0.8	0.8	0.8	0.8
169.5°	1.4	0.7	0.8	0.8	0.8	0.8
170°	1.4	0.7	0.8	0.8	0.8	0.8
170.5°	1.4	0.7	0.8	0.8	0.8	0.8
171°	1.4	0.7	0.8	0.8	0.8	0.8
171.5°	1.3	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	0.7	0.8	0.8	0.8	0.8
174°	1.3	0.8	0.8	0.8	0.8	0.8
174.5°	1.2	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	0.8	0.9	0.8	0.8
177°	1.2	0.9	0.9	0.9	0.9	0.9
177.5°	1.1	0.9	0.9	0.9	0.9	0.9
178°	1.1	0.9	0.9	1.0	0.9	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	1.0	1.0	1.1	1.0	1.0



TEST NUMBER: P1590468

CATALOG NUMBER: HCDLS1525CSD4TRH-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: P1590468

CATALOG NUMBER: HCDLS1525CSD4TRH-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	5.8	6.9	6.2	7.2	7.5	6.8	7.9	7.2	8.2	8.5
	3H	5.8	6.7	6.1	7.0	7.4	6.8	7.7	7.1	8.0	8.4
	4H	5.7	6.5	6.1	6.9	7.3	6.7	7.5	7.1	7.9	8.3
	6H	5.6	6.4	6.0	6.7	7.1	6.6	7.4	7.0	7.7	8.1
	8H	5.5	6.3	6.0	6.6	7.1	6.5	7.3	7.0	7.7	8.1
	12H	5.5	6.2	5.9	6.5	7.0	6.5	7.2	6.9	7.6	8.0
4H	2H	5.6	6.5	6.1	6.8	7.2	6.6	7.5	7.0	7.8	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	6.5	7.0	6.5	7.1	6.9	7.5	8.0
	6H	5.4	5.9	5.9	6.4	6.9	6.4	6.9	6.9	7.4	7.8
	8H	5.4	5.8	5.8	6.3	6.8	6.3	6.8	6.8	7.3	7.7
	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	5.8	5.8	6.3	6.8	6.3	6.8	6.8	7.3	7.7
	6H	5.2	5.6	5.8	6.1	6.6	6.2	6.6	6.7	7.1	7.6
	8H	5.2	5.5	5.7	6.0	6.5	6.2	6.5	6.7	7.0	7.5
	12H	5.1	5.4	5.6	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	5.5	5.7	6.0	6.5	6.2	6.5	6.7	7.0	7.5
	8H	5.1	5.4	5.6	5.9	6.5	6.1	6.4	6.6	6.9	7.5

(END OF REPORT)