

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: P1590484

Luminaire Tested: HCDLS1525CSD4TRMW-HI-3500K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590484
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: HCDLS1525CSD4TRMW-HI-3500K
Description: 4" Selectable Round Trim+Matte White (paintable) 2500 Lumens 3500K

Light Source:
Ballast/Driver: -

Summary

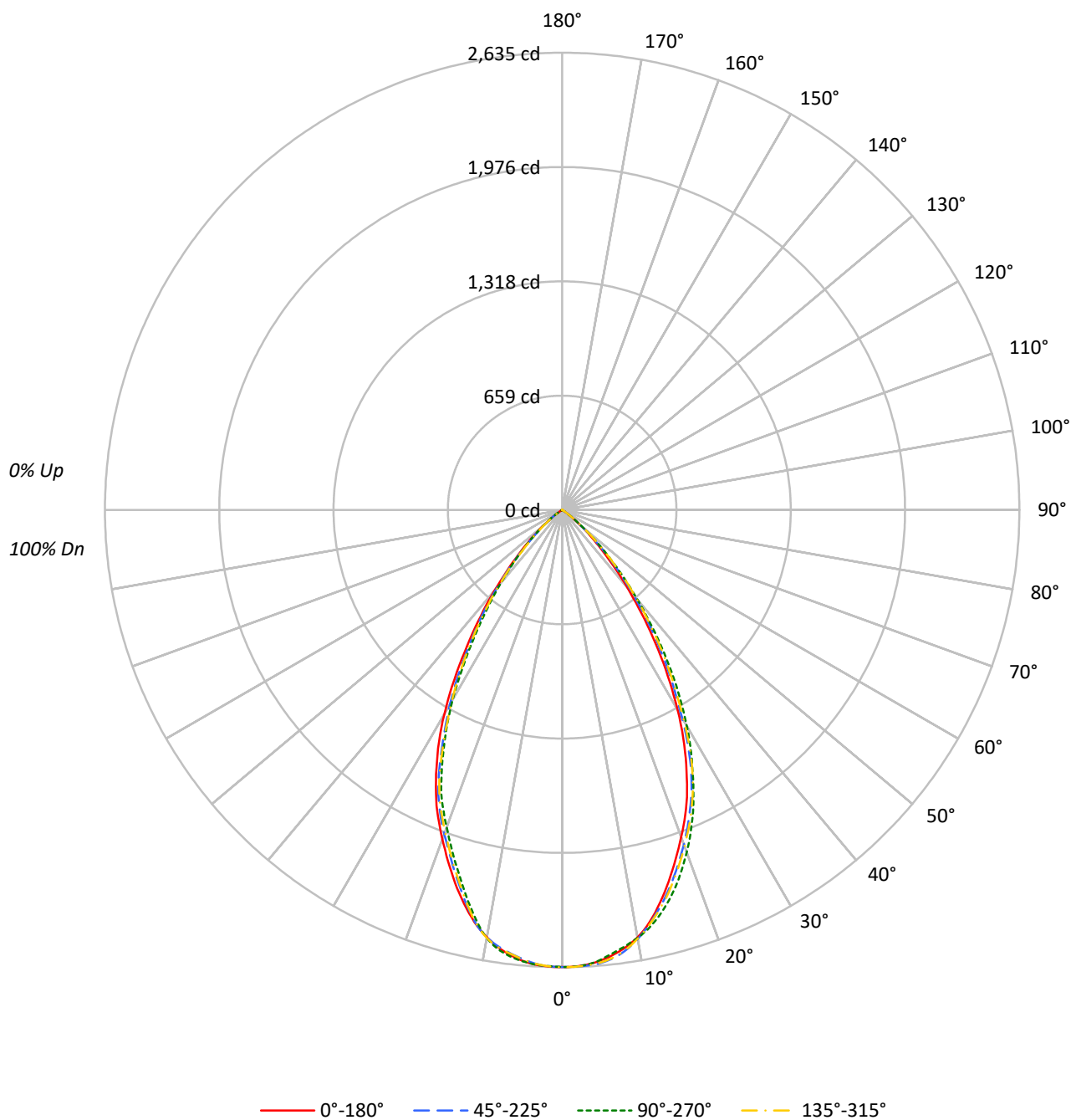
Lumens per Lamp: N/A
Luminaire Lumens: 2576.1 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	324929	324929	324929	324929
5°	322493	321812	322877	323298
10°	313246	313647	313184	313597
15°	291187	299372	292183	284662
20°	263350	275453	265057	255527
25°	231446	243600	234223	223076
30°	189371	204583	193473	179387
35°	140609	158287	143590	130370
40°	93792	108976	97544	88044
45°	55017	66007	58192	53796
50°	26922	30875	28841	27671
55°	8774	9312	9355	9484
60°	2048	2270	2122	2344
65°	992	1167	1051	1197
70°	577	685	613	721
75°	334	429	381	429
80°	142	213	142	213
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 66007 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.7	9.5
10°-20°	637.9	24.8
20°-30°	779.3	30.3
30°-40°	593.7	23.0
40°-50°	264.7	10.3
50°-60°	47.9	1.9
60°-70°	4.2	0.2
70°-80°	0.9	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°	0.4	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	1662.9	64.6
0°-40°	2256.6	87.6
0°-60°	2569.3	99.7
0°-90°	2574.5	99.9
90°-120°	0.0	0.0
90°-150°	0.8	0.0
90°-180°	2.0	0.1
0°-180°	2576.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2634	2634	2634	2634	2634	
5°	2605	2599	2608	2611	2605	245
15°	2280	2344	2288	2229	2280	636
25°	1701	1790	1721	1639	1701	773
35°	934	1051	954	866	934	583
45°	315	378	334	308	315	251
55°	41	43	44	44	41	46
65°	3	4	4	4	3	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°	0	1	1	0	0	0
155°	1	1	1	1	1	0
165°	1	1	1	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°	2634.3	2634.3	2634.3	2634.3	2634.3	2634.3	2634.3	2634.3	2634.3	2634.3	2634.3
0.5°	2634.7	2633.8	2634.0	2634.7	2633.8	2634.0	2635.2	2634.7	2634.7	2633.8	2633.8
1°	2633.6	2633.6	2634.0	2634.7	2633.8	2634.0	2634.5	2634.5	2633.8	2632.9	2632.9
1.5°	2632.2	2632.6	2633.6	2633.8	2632.9	2633.6	2633.8	2633.6	2632.9	2631.5	2631.5
2°	2630.3	2631.2	2632.9	2632.6	2631.2	2631.9	2632.9	2632.6	2631.0	2628.9	2629.4
2.5°	2628.0	2630.3	2631.7	2630.6	2628.9	2629.6	2631.9	2631.2	2628.7	2626.2	2626.6
3°	2625.5	2628.9	2630.1	2627.8	2625.5	2626.9	2629.6	2629.6	2626.2	2622.2	2622.7
3.5°	2621.3	2627.3	2628.2	2624.3	2620.8	2623.2	2627.1	2627.3	2623.2	2617.4	2617.8
4°	2616.7	2625.0	2626.4	2619.7	2614.6	2618.1	2624.5	2625.0	2618.8	2611.4	2612.0
4.5°	2610.9	2621.8	2623.4	2613.9	2607.2	2611.8	2620.6	2621.8	2613.9	2604.4	2605.6
5°	2604.6	2617.8	2618.8	2606.7	2599.1	2604.2	2615.7	2618.1	2607.7	2596.8	2598.4
5.5°	2597.5	2612.5	2613.7	2599.3	2590.3	2596.3	2610.0	2613.0	2601.2	2588.5	2591.0
6°	2590.1	2606.0	2607.4	2590.8	2581.0	2587.5	2603.5	2607.0	2593.3	2579.9	2582.9
6.5°	2581.5	2598.6	2600.2	2582.2	2571.6	2578.5	2595.9	2599.8	2584.5	2571.1	2574.8
7°	2572.5	2589.6	2591.2	2573.0	2562.3	2569.2	2587.1	2591.2	2575.0	2561.6	2566.5
7.5°	2562.5	2579.4	2581.0	2563.0	2553.1	2559.3	2577.3	2581.3	2565.5	2552.1	2557.5
8°	2552.6	2568.3	2569.5	2552.1	2543.6	2549.1	2566.2	2569.5	2554.2	2542.4	2548.2
8.5°	2541.0	2555.6	2556.8	2540.8	2534.1	2539.2	2553.7	2557.2	2542.2	2531.5	2538.0
9°	2528.8	2541.5	2542.4	2529.0	2524.4	2527.8	2539.9	2542.9	2529.5	2520.4	2526.9
9.5°	2515.1	2526.0	2527.1	2516.3	2514.7	2516.0	2525.3	2527.1	2516.0	2508.2	2514.9
10°	2501.0	2509.6	2510.5	2502.6	2504.2	2503.3	2509.3	2510.5	2500.5	2495.2	2501.2
10.5°	2485.3	2491.8	2492.7	2488.0	2492.9	2490.4	2492.7	2492.2	2484.1	2479.7	2485.0
11°	2467.7	2473.0	2473.9	2472.5	2480.4	2476.0	2474.9	2473.9	2467.0	2463.5	2467.2
11.5°	2448.5	2452.7	2455.0	2456.4	2467.0	2461.2	2456.6	2454.5	2448.5	2445.5	2447.3
12°	2427.0	2431.6	2435.1	2438.3	2452.9	2445.3	2438.1	2434.4	2428.8	2424.4	2424.2
12.5°	2404.8	2409.9	2413.8	2421.0	2436.7	2427.7	2418.6	2413.6	2406.6	2401.8	2398.3
13°	2381.4	2387.9	2393.0	2402.0	2420.5	2410.3	2398.5	2391.3	2385.6	2378.2	2373.1
13.5°	2357.1	2364.5	2371.5	2383.0	2402.7	2392.5	2377.9	2369.8	2362.2	2353.2	2346.5
14°	2331.9	2340.7	2349.7	2362.4	2383.7	2372.8	2356.9	2346.7	2338.6	2327.5	2318.7
14.5°	2306.5	2316.6	2327.5	2342.1	2364.3	2352.9	2334.7	2323.8	2313.2	2300.9	2290.8
15°	2280.3	2292.2	2304.2	2320.6	2344.4	2331.7	2313.4	2300.3	2288.1	2273.9	2261.8
15.5°	2253.3	2267.0	2281.0	2298.1	2323.6	2310.2	2290.0	2276.1	2262.7	2246.7	2232.9
16°	2226.7	2241.2	2256.7	2274.1	2301.3	2287.5	2266.6	2250.9	2236.3	2218.4	2204.4
16.5°	2200.0	2215.8	2232.3	2251.0	2278.7	2264.2	2241.8	2225.5	2209.7	2190.6	2176.3
17°	2172.6	2190.0	2207.3	2226.8	2255.2	2240.1	2217.0	2199.6	2182.5	2162.8	2148.1
17.5°	2144.7	2163.6	2181.3	2201.8	2231.0	2215.5	2192.0	2172.7	2155.3	2135.0	2120.0
18°	2116.8	2136.6	2155.1	2175.8	2205.2	2190.6	2165.7	2146.3	2128.4	2107.4	2092.2
18.5°	2089.1	2109.3	2129.0	2149.7	2179.6	2164.6	2139.8	2120.2	2101.1	2079.7	2064.9
19°	2061.5	2082.0	2103.2	2123.6	2152.7	2138.3	2114.0	2093.5	2073.0	2052.7	2037.4
19.5°	2034.2	2055.0	2076.9	2096.9	2126.4	2111.8	2088.0	2066.1	2045.9	2025.9	2013.0
20°	2006.3	2027.4	2050.3	2070.0	2098.5	2085.5	2062.1	2040.1	2019.3	1999.0	1986.7
20.5°	1978.8	2000.7	2023.5	2043.0	2071.2	2058.5	2035.2	2014.4	1991.3	1972.2	1960.3
21°	1951.1	1972.6	1996.2	2015.1	2043.2	2030.4	2008.7	1987.5	1963.4	1945.3	1934.0
21.5°	1923.6	1945.1	1969.4	1986.9	2013.3	2001.3	1982.1	1960.7	1935.5	1918.5	1907.7
22°	1894.7	1916.5	1941.1	1957.4	1983.4	1972.2	1955.5	1933.9	1907.6	1891.6	1878.7

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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°	1865.6	1888.9	1913.0	1929.0	1953.5	1943.2	1928.9	1907.1	1881.9	1861.9	1850.1
23°	1834.1	1858.9	1884.5	1897.2	1923.7	1914.1	1902.3	1877.4	1851.5	1830.3	1820.1
23.5°	1802.7	1829.4	1855.5	1867.4	1893.7	1885.0	1872.2	1848.2	1820.0	1798.5	1788.3
24°	1769.4	1798.5	1825.0	1834.3	1858.9	1852.4	1842.7	1818.1	1787.4	1766.0	1754.0
24.5°	1735.7	1766.5	1795.4	1802.5	1825.1	1819.9	1812.3	1786.8	1754.5	1731.3	1718.1
25°	1700.6	1733.3	1763.8	1767.9	1789.9	1786.3	1781.0	1755.3	1721.0	1696.1	1681.0
25.5°	1666.1	1700.3	1731.8	1735.2	1755.7	1752.6	1748.6	1723.1	1687.1	1659.9	1642.1
26°	1631.0	1665.6	1698.3	1700.4	1721.2	1718.3	1715.7	1689.8	1653.0	1623.6	1601.3
26.5°	1597.0	1630.8	1664.1	1665.4	1686.2	1683.4	1681.1	1654.6	1617.7	1586.2	1560.4
27°	1560.2	1595.2	1626.8	1630.2	1651.0	1647.9	1645.3	1619.1	1582.8	1548.3	1520.1
27.5°	1524.1	1559.4	1588.3	1594.3	1617.0	1613.2	1608.6	1582.9	1547.8	1509.3	1481.0
28°	1486.6	1523.0	1548.4	1557.9	1582.1	1577.9	1569.0	1545.4	1511.3	1471.0	1442.2
28.5°	1448.9	1483.7	1506.9	1520.3	1546.8	1541.1	1529.7	1507.0	1474.3	1431.9	1403.3
29°	1409.4	1446.1	1465.0	1482.9	1511.2	1505.2	1488.6	1467.2	1436.3	1393.6	1366.3
29.5°	1370.8	1406.8	1421.4	1445.2	1474.7	1467.9	1446.7	1426.0	1397.6	1355.9	1329.1
30°	1329.6	1366.0	1379.1	1405.9	1436.4	1430.0	1403.0	1383.6	1358.4	1317.9	1291.8
30.5°	1289.9	1323.4	1337.1	1365.2	1398.3	1390.4	1360.3	1340.7	1317.6	1279.6	1254.0
31°	1250.2	1282.2	1296.5	1324.8	1359.7	1351.4	1318.9	1297.9	1277.8	1242.5	1215.5
31.5°	1210.9	1238.8	1256.7	1284.1	1321.2	1311.4	1278.5	1254.9	1236.5	1205.2	1177.0
32°	1171.2	1196.8	1218.3	1243.0	1282.3	1270.9	1239.6	1213.7	1197.5	1168.3	1137.9
32.5°	1132.9	1153.9	1179.9	1202.4	1244.6	1230.7	1200.7	1173.4	1155.2	1130.5	1099.2
33°	1094.4	1114.5	1143.1	1162.2	1206.8	1189.7	1164.2	1133.8	1114.0	1093.9	1059.9
33.5°	1055.7	1072.7	1105.7	1121.9	1168.4	1149.3	1126.9	1095.4	1072.7	1055.7	1020.3
34°	1017.6	1034.8	1068.6	1083.8	1129.2	1110.0	1090.3	1057.7	1033.1	1017.7	983.1
34.5°	978.9	995.2	1030.2	1046.0	1090.1	1071.3	1053.4	1020.5	992.3	979.3	945.1
35°	933.8	957.2	992.2	1009.3	1051.2	1033.3	1016.4	984.5	953.6	939.9	909.8
35.5°	898.0	920.7	955.4	973.5	1012.3	995.9	978.8	947.1	915.8	901.5	875.2
36°	862.2	884.1	919.2	939.2	972.6	959.3	941.6	909.7	879.6	863.9	841.4
36.5°	826.4	847.6	883.0	903.5	933.8	922.2	904.5	872.7	842.0	826.7	807.3
37°	790.6	811.0	846.7	867.8	895.0	886.3	867.7	836.1	806.3	790.4	774.7
37.5°	753.6	774.5	810.5	832.1	857.0	850.7	831.4	798.9	771.4	754.3	741.3
38°	717.3	741.3	774.2	796.5	819.9	815.6	797.4	763.5	737.2	720.1	708.5
38.5°	682.1	707.3	740.8	761.2	782.5	780.2	763.0	729.1	703.1	686.5	675.3
39°	648.4	675.1	708.7	727.3	746.6	747.1	730.6	695.4	670.4	653.9	643.3
39.5°	614.9	642.5	675.7	693.2	711.3	712.3	698.3	663.2	637.9	620.5	611.3
40°	582.5	611.5	643.6	659.8	676.8	679.4	666.4	632.5	605.8	588.3	580.1
40.5°	551.7	581.6	612.3	627.1	643.4	644.9	634.5	601.5	574.1	557.0	549.2
41°	521.6	551.4	580.9	595.4	610.2	612.6	603.2	571.8	543.4	526.5	519.8
41.5°	492.1	522.0	549.2	564.4	578.6	580.1	572.1	542.8	513.8	496.6	491.6
42°	464.4	494.7	519.9	534.6	547.6	549.2	541.1	515.0	485.2	467.1	464.3
42.5°	437.5	466.9	490.3	504.7	517.8	518.0	510.4	486.7	457.7	439.3	436.6
43°	411.3	439.8	461.6	474.5	488.4	488.4	480.7	459.8	431.3	412.5	410.0
43.5°	385.5	412.4	433.4	445.4	459.4	458.6	451.8	432.9	404.8	386.6	383.2
44°	361.6	386.6	407.5	416.9	431.1	431.0	424.0	407.1	380.4	362.2	358.7
44.5°	338.1	361.6	381.5	389.2	404.1	403.0	396.7	381.3	356.5	338.6	333.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	315.4	337.8	356.6	362.3	378.4	376.6	370.7	356.8	333.6	315.7	309.1
45.5°	293.6	314.1	332.7	335.7	352.3	350.0	345.6	332.9	311.5	293.9	285.7
46°	273.6	292.0	309.0	310.8	327.7	325.2	321.1	309.8	289.7	273.3	264.8
46.5°	253.5	270.0	285.8	286.6	303.3	300.4	297.9	287.0	269.6	255.3	246.0
47°	234.9	250.3	263.5	263.8	281.0	277.0	274.7	265.5	251.6	237.2	227.3
47.5°	216.6	230.2	241.8	241.7	260.5	256.7	254.5	246.4	233.7	219.2	208.6
48°	200.1	212.0	221.3	221.0	240.0	236.4	234.4	227.4	215.9	201.2	189.9
48.5°	183.7	193.6	201.5	201.5	219.5	216.1	214.3	208.4	198.0	183.3	174.6
49°	168.6	177.2	182.7	183.4	198.9	195.8	194.2	189.4	180.2	168.2	160.7
49.5°	154.3	161.4	164.7	166.2	178.6	175.6	174.1	170.5	164.8	153.9	147.9
50°	140.3	146.4	148.0	149.7	160.9	158.8	157.2	154.6	150.3	140.7	135.8
50.5°	127.0	131.5	132.6	134.2	144.1	142.7	141.3	139.5	136.5	128.2	124.5
51°	115.0	118.5	118.5	119.9	129.0	128.1	126.7	125.3	123.2	116.6	113.8
51.5°	103.2	105.9	105.3	106.5	114.5	114.2	113.2	112.0	110.9	105.6	103.8
52°	92.5	94.3	93.3	94.4	101.3	101.4	100.4	99.8	99.0	95.1	94.2
52.5°	83.1	84.8	83.8	84.7	88.9	89.3	88.6	88.2	87.8	85.2	84.7
53°	73.7	75.3	74.4	75.0	77.7	78.4	77.8	77.4	77.3	75.6	75.7
53.5°	64.4	65.7	64.9	65.3	67.3	68.1	67.8	67.4	67.7	66.6	67.2
54°	55.1	56.2	55.4	55.6	58.1	58.9	58.9	58.1	58.6	58.3	59.0
54.5°	47.6	46.7	46.0	46.0	50.1	50.9	50.9	50.0	50.6	50.6	51.5
55°	40.8	40.1	39.4	39.5	43.3	44.1	43.9	43.2	43.5	43.6	44.6
55.5°	34.8	33.9	33.3	33.2	37.0	37.7	37.7	36.9	37.1	37.5	38.3
56°	28.8	27.8	27.2	27.2	30.9	31.3	31.3	32.9	32.5	33.3	32.2
56.5°	23.3	22.5	22.0	22.1	27.3	27.7	27.7	28.9	28.0	29.1	28.2
57°	18.9	18.2	17.8	18.1	23.7	24.1	24.1	24.8	23.5	24.9	24.4
57.5°	15.6	15.1	14.8	15.1	20.1	20.6	20.5	20.8	18.9	20.7	20.6
58°	13.2	12.8	12.6	13.0	16.5	17.1	16.9	16.8	14.4	16.5	16.8
58.5°	11.4	11.0	11.0	11.2	13.0	13.5	13.4	12.8	12.4	12.4	13.0
59°	10.0	9.7	9.6	9.9	11.5	11.9	11.8	11.2	10.9	10.8	11.2
59.5°	9.1	8.9	8.8	9.1	10.2	10.6	10.5	10.0	9.6	9.5	9.9
60°	8.3	8.1	8.0	8.3	9.2	9.6	9.4	8.9	8.6	8.5	8.8
60.5°	7.5	7.3	7.2	7.5	8.3	8.7	8.5	8.0	7.7	7.6	7.9
61°	6.6	6.5	6.5	6.7	7.5	7.9	7.7	7.3	7.0	6.9	7.1
61.5°	6.1	5.9	5.9	6.1	6.9	7.2	7.0	6.6	6.3	6.3	6.5
62°	5.5	5.4	5.4	5.6	6.3	6.6	6.5	6.1	5.8	5.7	5.9
62.5°	5.1	4.9	5.0	5.2	5.8	6.1	5.9	5.6	5.3	5.3	5.4
63°	4.7	4.5	4.6	4.8	5.4	5.6	5.5	5.1	4.9	4.8	5.0
63.5°	4.3	4.2	4.2	4.4	5.0	5.2	5.1	4.7	4.5	4.5	4.6
64°	4.0	3.9	3.9	4.1	4.6	4.8	4.7	4.4	4.2	4.1	4.3
64.5°	3.7	3.6	3.6	3.8	4.3	4.5	4.4	4.1	3.9	3.8	3.9
65°	3.4	3.3	3.4	3.5	4.0	4.2	4.0	3.8	3.6	3.6	3.7
65.5°	3.1	3.1	3.1	3.3	3.7	3.9	3.8	3.5	3.3	3.3	3.4
66°	2.9	2.9	2.9	3.0	3.4	3.6	3.5	3.3	3.1	3.1	3.2
66.5°	2.7	2.7	2.7	2.8	3.2	3.3	3.2	3.0	2.9	2.9	2.9
67°	2.5	2.5	2.5	2.6	3.0	3.1	3.0	2.8	2.7	2.7	2.7

TEST NUMBER: P1590484

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	2.3	2.3	2.3	2.4	2.8	2.9	2.8	2.6	2.5	2.5	2.5
68°	2.2	2.1	2.1	2.3	2.6	2.7	2.6	2.4	2.3	2.3	2.4
68.5°	2.0	2.0	2.0	2.1	2.4	2.5	2.4	2.3	2.2	2.1	2.2
69°	1.9	1.8	1.8	2.0	2.2	2.3	2.3	2.1	2.0	2.0	2.0
69.5°	1.7	1.7	1.7	1.8	2.1	2.2	2.1	2.0	1.9	1.8	1.9
70°	1.6	1.6	1.6	1.7	1.9	2.0	2.0	1.8	1.7	1.7	1.8
70.5°	1.5	1.4	1.5	1.6	1.8	1.9	1.8	1.7	1.6	1.6	1.6
71°	1.4	1.3	1.4	1.5	1.7	1.8	1.7	1.6	1.5	1.5	1.5
71.5°	1.3	1.2	1.3	1.3	1.5	1.6	1.6	1.4	1.4	1.4	1.4
72°	1.2	1.1	1.2	1.2	1.4	1.5	1.5	1.3	1.3	1.3	1.3
72.5°	1.1	1.0	1.1	1.1	1.3	1.4	1.3	1.2	1.2	1.2	1.2
73°	1.0	1.0	1.0	1.1	1.2	1.3	1.2	1.1	1.1	1.1	1.1
73.5°	0.9	0.9	0.9	1.0	1.1	1.2	1.1	1.1	1.0	1.0	1.0
74°	0.8	0.8	0.8	0.9	1.0	1.1	1.1	1.0	0.9	0.9	0.9
74.5°	0.8	0.7	0.7	0.8	1.0	1.0	1.0	0.9	0.8	0.8	0.9
75°	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.8	0.8	0.8	0.8
75.5°	0.6	0.6	0.6	0.7	0.8	0.9	0.8	0.7	0.7	0.7	0.7
76°	0.6	0.5	0.6	0.6	0.7	0.8	0.7	0.7	0.6	0.6	0.7
76.5°	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6
77°	0.5	0.4	0.4	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
77.5°	0.4	0.4	0.4	0.4	0.5	0.6	0.6	0.5	0.5	0.5	0.5
78°	0.4	0.3	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4
78.5°	0.3	0.3	0.3	0.3	0.4	0.5	0.4	0.4	0.4	0.4	0.4
79°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3
79.5°	0.2	0.2	0.2	0.3	0.3	0.4	0.3	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	0.2	0.2	0.3
80.5°	0.2	0.2	0.2	0.2	0.2	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	0.1	0.1	0.1	0.1
82°	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
82.5°	0.0	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	0.0	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: P1590484

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1590484

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	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	0.0	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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2
127.5°	0.2	0.2	0.2	0.2	0.1	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	0.2	0.2
130.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
131°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
131.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
132°	0.3	0.3	0.3	0.2	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	0.3	0.3
133.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
134°	0.3	0.3	0.3	0.3	0.3	0.3	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: P1590484

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1590484

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1590484
CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TEST NUMBER: P1590484

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2634.3	2634.3	2634.3	2634.3	2634.3	2634.3
0.5°	2634.5	2632.6	2633.6	2634.5	2634.3	2634.7
1°	2633.8	2631.9	2632.9	2633.3	2633.1	2633.6
1.5°	2632.6	2630.8	2631.9	2631.7	2631.2	2632.2
2°	2631.2	2629.4	2629.9	2628.9	2628.7	2630.3
2.5°	2628.7	2627.8	2627.8	2626.2	2625.9	2628.0
3°	2626.4	2626.2	2625.5	2622.2	2621.3	2625.5
3.5°	2622.9	2623.4	2622.0	2617.6	2616.0	2621.3
4°	2619.0	2619.9	2618.1	2612.0	2610.2	2616.7
4.5°	2613.7	2616.0	2613.4	2606.0	2603.7	2610.9
5°	2608.1	2611.1	2608.3	2599.1	2596.3	2604.6
5.5°	2602.3	2605.8	2602.6	2592.2	2588.7	2597.5
6°	2595.6	2599.6	2596.3	2585.0	2580.4	2590.1
6.5°	2588.2	2592.8	2589.1	2577.6	2572.7	2581.5
7°	2580.4	2584.3	2581.5	2569.7	2563.9	2572.5
7.5°	2571.8	2575.3	2572.3	2561.8	2555.6	2562.5
8°	2562.1	2564.6	2562.3	2552.1	2546.3	2552.6
8.5°	2551.9	2552.6	2550.7	2542.6	2536.6	2541.0
9°	2539.6	2538.2	2537.8	2531.1	2525.8	2528.8
9.5°	2526.2	2522.5	2522.8	2518.6	2513.7	2515.1
10°	2510.5	2503.8	2505.4	2503.3	2500.5	2501.0
10.5°	2492.4	2483.2	2485.3	2487.1	2485.7	2485.3
11°	2472.3	2459.8	2463.1	2467.7	2468.8	2467.7
11.5°	2448.5	2433.7	2437.8	2445.7	2449.6	2448.5
12°	2423.3	2405.7	2411.0	2420.7	2427.2	2427.0
12.5°	2396.2	2377.9	2383.0	2395.1	2403.1	2404.8
13°	2368.7	2348.6	2353.9	2367.5	2378.9	2381.4
13.5°	2340.2	2320.1	2324.7	2339.3	2352.9	2357.1
14°	2311.2	2289.7	2295.1	2310.5	2325.6	2331.9
14.5°	2281.5	2259.9	2265.4	2281.9	2298.1	2306.5
15°	2251.9	2229.2	2235.0	2251.9	2270.2	2280.3
15.5°	2222.9	2199.9	2205.7	2223.9	2241.4	2253.3
16°	2194.3	2171.0	2177.3	2194.6	2212.8	2226.7
16.5°	2165.3	2143.2	2148.9	2166.7	2185.8	2200.0
17°	2137.5	2114.4	2120.2	2138.8	2157.4	2172.6
17.5°	2109.9	2086.1	2093.0	2110.6	2130.0	2144.7
18°	2082.5	2057.6	2064.5	2082.7	2101.5	2116.8
18.5°	2054.2	2029.5	2036.4	2055.3	2073.7	2089.1
19°	2027.5	2001.7	2009.6	2027.7	2045.4	2061.5
19.5°	2001.5	1973.3	1982.3	2000.7	2018.0	2034.2
20°	1975.5	1946.7	1956.0	1973.6	1989.9	2006.3
20.5°	1949.5	1918.9	1928.8	1947.3	1962.6	1978.8
21°	1923.5	1892.6	1902.0	1919.6	1934.8	1951.1
21.5°	1897.5	1865.0	1875.1	1892.4	1906.7	1923.6
22°	1870.8	1838.1	1848.3	1864.8	1879.4	1894.7

TEST NUMBER: P1590484

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1843.2	1810.2	1820.0	1837.2	1850.1	1865.6
23°	1813.0	1780.3	1789.6	1807.4	1819.1	1834.1
23.5°	1780.4	1748.0	1757.9	1775.7	1788.1	1802.7
24°	1747.3	1713.2	1724.1	1741.8	1754.4	1769.4
24.5°	1713.0	1675.1	1689.1	1705.5	1719.0	1735.7
25°	1677.1	1639.1	1652.4	1668.0	1681.8	1700.6
25.5°	1639.4	1602.3	1615.2	1628.9	1644.7	1666.1
26°	1601.7	1565.8	1577.4	1588.8	1606.4	1631.0
26.5°	1562.5	1527.7	1539.1	1548.5	1567.1	1597.0
27°	1522.2	1491.9	1500.3	1507.5	1526.2	1560.2
27.5°	1481.4	1455.0	1460.2	1466.5	1486.2	1524.1
28°	1439.6	1417.0	1420.1	1426.2	1448.2	1486.6
28.5°	1398.4	1378.8	1380.8	1386.2	1410.1	1448.9
29°	1358.4	1340.1	1341.4	1347.2	1372.8	1409.4
29.5°	1319.0	1300.0	1301.9	1308.8	1336.0	1370.8
30°	1279.7	1259.5	1261.3	1271.0	1299.9	1329.6
30.5°	1240.3	1217.5	1220.9	1233.0	1262.6	1289.9
31°	1202.1	1177.4	1180.7	1194.8	1225.6	1250.2
31.5°	1163.6	1136.2	1141.0	1156.9	1187.9	1210.9
32°	1125.9	1096.2	1101.9	1118.6	1148.9	1171.2
32.5°	1088.4	1056.9	1063.3	1080.5	1110.0	1132.9
33°	1050.7	1018.3	1025.7	1042.2	1070.8	1094.4
33.5°	1012.7	978.8	989.0	1003.0	1031.1	1055.7
34°	975.4	935.4	954.3	965.8	991.3	1017.6
34.5°	938.1	900.6	918.2	930.4	953.1	978.9
35°	902.2	865.8	882.1	894.9	916.9	933.8
35.5°	865.9	830.9	846.0	859.5	880.7	898.0
36°	831.5	796.1	809.9	824.1	844.5	862.2
36.5°	796.5	762.4	773.8	788.6	808.4	826.4
37°	762.2	729.1	739.5	755.3	772.2	790.6
37.5°	728.5	696.7	705.7	722.3	738.6	753.6
38°	695.5	665.9	672.4	690.5	705.4	717.3
38.5°	663.6	635.3	640.0	658.1	671.8	682.1
39°	632.4	605.9	610.6	626.7	639.5	648.4
39.5°	601.5	576.0	580.8	594.9	606.9	614.9
40°	570.7	546.8	551.5	564.2	574.6	582.5
40.5°	541.7	519.2	523.3	533.7	542.2	551.7
41°	513.1	492.5	496.4	504.1	511.9	521.6
41.5°	485.5	466.6	469.9	475.6	481.4	492.1
42°	458.5	441.7	444.1	448.1	452.8	464.4
42.5°	431.9	417.7	419.1	420.2	424.7	437.5
43°	406.7	394.6	394.7	395.1	398.5	411.3
43.5°	382.4	371.8	371.4	369.2	372.5	385.5
44°	359.2	349.9	348.9	344.7	347.8	361.6
44.5°	336.7	328.7	327.5	320.6	323.7	338.1

TEST NUMBER: P1590484

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	314.9	308.4	306.4	298.0	300.6	315.4
45.5°	294.1	288.8	286.7	276.0	279.0	293.6
46°	274.2	270.2	267.7	255.3	258.3	273.6
46.5°	255.5	251.8	249.4	235.6	238.3	253.5
47°	238.3	234.3	231.8	217.6	219.5	234.9
47.5°	221.1	217.5	214.8	200.7	202.2	216.6
48°	204.0	201.3	198.7	184.8	186.2	200.1
48.5°	186.8	186.3	183.5	170.4	171.4	183.7
49°	171.7	171.7	168.9	157.1	157.0	168.6
49.5°	157.4	157.6	155.1	144.7	144.6	154.3
50°	144.3	144.2	141.6	133.0	132.6	140.3
50.5°	131.6	131.4	129.2	121.9	121.4	127.0
51°	119.9	119.3	117.5	111.5	110.5	115.0
51.5°	108.7	107.6	106.4	101.6	100.7	103.2
52°	98.2	96.8	95.7	91.9	92.0	92.5
52.5°	88.0	87.6	86.8	83.3	83.1	83.1
53°	78.5	78.5	77.9	74.8	74.2	73.7
53.5°	69.7	69.3	69.1	66.2	65.4	64.4
54°	61.0	60.2	60.2	57.7	56.5	55.1
54.5°	53.1	51.0	51.3	50.4	49.0	47.6
55°	46.0	44.1	44.4	43.7	42.2	40.8
55.5°	39.8	38.0	38.4	37.6	36.5	34.8
56°	33.7	31.8	32.2	31.7	30.4	28.8
56.5°	29.6	26.1	26.7	26.0	24.9	23.3
57°	25.6	21.5	21.9	21.3	20.2	18.9
57.5°	21.7	17.9	18.3	17.8	16.7	15.6
58°	17.7	15.3	15.7	15.1	14.2	13.2
58.5°	13.7	13.2	13.6	13.1	12.3	11.4
59°	11.9	11.6	12.0	11.5	10.7	10.0
59.5°	10.5	10.3	10.6	10.3	9.5	9.1
60°	9.4	9.5	9.5	9.5	8.7	8.3
60.5°	8.4	8.8	8.8	8.7	8.0	7.5
61°	7.6	8.0	8.2	8.0	7.2	6.6
61.5°	6.9	7.3	7.5	7.2	6.5	6.1
62°	6.3	6.6	6.8	6.5	5.9	5.5
62.5°	5.8	6.0	6.2	6.0	5.4	5.1
63°	5.3	5.5	5.8	5.5	5.0	4.7
63.5°	4.9	5.1	5.3	5.1	4.6	4.3
64°	4.6	4.7	4.9	4.7	4.2	4.0
64.5°	4.2	4.4	4.6	4.3	3.9	3.7
65°	3.9	4.1	4.2	4.0	3.6	3.4
65.5°	3.6	3.8	3.9	3.7	3.4	3.1
66°	3.4	3.5	3.7	3.5	3.1	2.9
66.5°	3.1	3.3	3.4	3.2	2.9	2.7
67°	2.9	3.1	3.2	3.0	2.7	2.5

TEST NUMBER: P1590484

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	2.7	2.8	3.0	2.8	2.5	2.3
68°	2.5	2.6	2.8	2.6	2.3	2.2
68.5°	2.3	2.5	2.6	2.4	2.2	2.0
69°	2.2	2.3	2.4	2.2	2.0	1.9
69.5°	2.0	2.1	2.2	2.1	1.9	1.7
70°	1.9	2.0	2.1	1.9	1.7	1.6
70.5°	1.8	1.8	1.9	1.8	1.6	1.5
71°	1.6	1.7	1.8	1.7	1.5	1.4
71.5°	1.5	1.6	1.6	1.5	1.4	1.3
72°	1.4	1.5	1.5	1.4	1.3	1.2
72.5°	1.3	1.4	1.4	1.3	1.2	1.1
73°	1.2	1.3	1.3	1.2	1.1	1.0
73.5°	1.1	1.2	1.2	1.1	1.0	0.9
74°	1.0	1.1	1.1	1.0	0.9	0.8
74.5°	0.9	1.0	1.0	1.0	0.8	0.8
75°	0.9	0.9	0.9	0.9	0.8	0.7
75.5°	0.8	0.8	0.9	0.8	0.7	0.6
76°	0.7	0.8	0.8	0.7	0.6	0.6
76.5°	0.7	0.7	0.7	0.7	0.6	0.5
77°	0.6	0.6	0.7	0.6	0.5	0.5
77.5°	0.5	0.6	0.6	0.5	0.5	0.4
78°	0.5	0.5	0.5	0.5	0.4	0.4
78.5°	0.4	0.5	0.5	0.4	0.4	0.3
79°	0.4	0.4	0.4	0.4	0.3	0.3
79.5°	0.3	0.4	0.4	0.3	0.3	0.2
80°	0.3	0.3	0.3	0.3	0.2	0.2
80.5°	0.2	0.3	0.3	0.3	0.2	0.2
81°	0.2	0.2	0.2	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	0.1	0.1	0.1
82.5°	0.1	0.1	0.1	0.1	0.1	0.0
83°	0.1	0.1	0.1	0.1	0.0	0.0
83.5°	0.0	0.1	0.1	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	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: P1590484

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0
90.5°	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0
99.5°	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0
100.5°	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0
101.5°	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0
103.5°	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0
104.5°	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0
105.5°	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0
106.5°	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0
108.5°	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0
109.5°	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0
110.5°	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0
111.5°	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1590484

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.1	0.1	0.0	0.0	0.0
120.5°	0.0	0.1	0.1	0.1	0.1	0.0
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°	0.0	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	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.2	0.2	0.2	0.1	0.1
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°	0.2	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	0.2	0.2	0.2	0.2	0.2
131°	0.3	0.3	0.3	0.2	0.2	0.2
131.5°	0.3	0.3	0.3	0.3	0.3	0.2
132°	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
133°	0.3	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: P1590484

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.4	0.3	0.3	0.3	0.3	0.3
135.5°	0.4	0.3	0.3	0.3	0.3	0.3
136°	0.5	0.4	0.4	0.4	0.3	0.3
136.5°	0.5	0.4	0.4	0.4	0.4	0.3
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°	0.5	0.4	0.4	0.4	0.4	0.4
138.5°	0.5	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	0.4	0.4	0.4	0.4	0.4
140°	0.6	0.4	0.4	0.4	0.4	0.4
140.5°	0.6	0.4	0.4	0.4	0.4	0.4
141°	0.7	0.5	0.5	0.5	0.4	0.4
141.5°	0.7	0.5	0.5	0.5	0.5	0.4
142°	0.7	0.5	0.5	0.5	0.5	0.5
142.5°	0.7	0.5	0.5	0.5	0.5	0.5
143°	0.7	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°	0.8	0.5	0.5	0.5	0.5	0.5
145°	0.8	0.5	0.5	0.5	0.5	0.5
145.5°	0.9	0.5	0.5	0.5	0.5	0.5
146°	0.9	0.5	0.5	0.5	0.5	0.5
146.5°	0.9	0.6	0.6	0.6	0.6	0.5
147°	0.9	0.6	0.6	0.6	0.6	0.6
147.5°	0.9	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°	1.0	0.6	0.6	0.6	0.6	0.6
149.5°	1.0	0.6	0.6	0.6	0.6	0.6
150°	1.0	0.6	0.6	0.6	0.6	0.6
150.5°	1.1	0.6	0.6	0.6	0.6	0.6
151°	1.1	0.6	0.6	0.6	0.6	0.6
151.5°	1.1	0.6	0.6	0.6	0.6	0.6
152°	1.1	0.6	0.6	0.6	0.6	0.6
152.5°	1.1	0.6	0.6	0.7	0.7	0.6
153°	1.2	0.6	0.7	0.7	0.7	0.7
153.5°	1.2	0.6	0.7	0.7	0.7	0.7
154°	1.2	0.7	0.7	0.7	0.7	0.7
154.5°	1.2	0.7	0.7	0.7	0.7	0.7
155°	1.2	0.7	0.7	0.7	0.7	0.7
155.5°	1.2	0.7	0.7	0.7	0.7	0.7
156°	1.2	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	0.7	0.7	0.7

TEST NUMBER: P1590484

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1590484

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	1.0	1.0	1.0	1.0	1.0	1.0

TEST NUMBER: P1590484

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3500K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	5.6	6.7	6.0	7.0	7.3	6.6	7.7	7.0	8.0	8.3
	3H	5.5	6.5	5.9	6.8	7.2	6.5	7.5	6.9	7.8	8.2
	4H	5.5	6.3	5.9	6.7	7.1	6.5	7.3	6.9	7.7	8.1
	6H	5.4	6.1	5.8	6.5	6.9	6.4	7.1	6.8	7.5	7.9
	8H	5.3	6.0	5.8	6.4	6.8	6.3	7.0	6.8	7.4	7.9
	12H	5.3	6.0	5.7	6.3	6.8	6.3	7.0	6.7	7.3	7.8
4H	2H	5.4	6.3	5.8	6.6	7.0	6.4	7.3	6.8	7.6	8.0
	3H	5.4	6.1	5.8	6.5	6.9	6.4	7.0	6.8	7.5	7.9
	4H	5.3	5.9	5.7	6.3	6.8	6.3	6.9	6.7	7.3	7.8
	6H	5.2	5.7	5.7	6.2	6.7	6.2	6.7	6.7	7.2	7.6
	8H	5.1	5.6	5.6	6.1	6.6	6.1	6.6	6.6	7.1	7.5
	12H	5.1	5.5	5.6	6.0	6.5	6.1	6.5	6.5	7.0	7.4
8H	4H	5.2	5.6	5.6	6.1	6.6	6.1	6.6	6.6	7.1	7.5
	6H	5.0	5.4	5.6	5.9	6.4	6.0	6.4	6.5	6.9	7.4
	8H	5.0	5.3	5.5	5.8	6.3	5.9	6.3	6.5	6.8	7.3
	12H	4.9	5.2	5.4	5.7	6.3	5.9	6.2	6.4	6.7	7.3
12H	4H	5.1	5.5	5.6	6.0	6.5	6.1	6.5	6.5	7.0	7.4
	6H	5.0	5.3	5.5	5.8	6.3	5.9	6.3	6.5	6.8	7.3
	8H	4.9	5.2	5.4	5.7	6.3	5.9	6.2	6.4	6.7	7.3

(END OF REPORT)