

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: P1590467

Luminaire Tested: HCDLS1525CSD4TRH-HI-2700K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590467
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-2700K
Description: 4" Selectable Round Trim+ Haze (Semi-specular) 2500 Lumens 2700K

Light Source:
Ballast/Driver: -

Summary

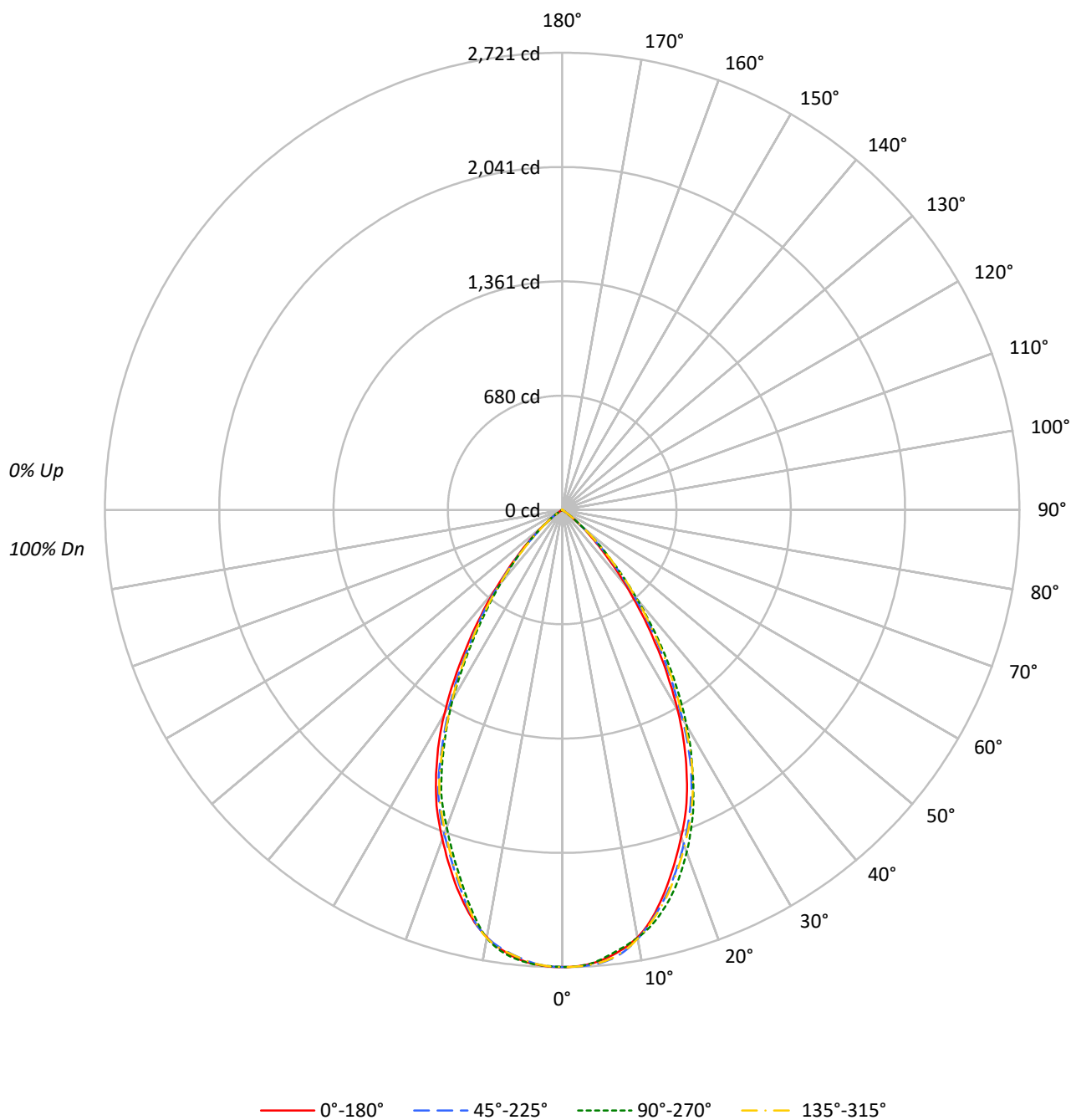
Lumens per Lamp: N/A
Luminaire Lumens: 2660.0 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	335500	335500	335500	335500
5°	333005	332287	333389	333835
10°	323454	323867	323391	323805
15°	300662	309116	301709	293932
20°	271935	284431	273681	263849
25°	238986	251534	241858	230344
30°	195538	211234	199768	185227
35°	145187	163437	148258	134616
40°	96851	112518	100716	90910
45°	56814	68153	60094	55541
50°	27805	31892	29762	28573
55°	9075	9613	9656	9785
60°	2122	2344	2196	2442
65°	1022	1197	1080	1226
70°	577	721	649	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: 68153 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.7	9.5
10°-20°	658.7	24.8
20°-30°	804.7	30.3
30°-40°	613.1	23.0
40°-50°	273.4	10.3
50°-60°	49.5	1.9
60°-70°	4.3	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°	0.4	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	1717.1	64.6
0°-40°	2330.1	87.6
0°-60°	2653.0	99.7
0°-90°	2658.3	99.9
90°-120°	0.0	0.0
90°-150°	0.8	0.0
90°-180°	2.0	0.1
0°-180°	2660.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2720	2720	2720	2720	2720	
5°	2690	2684	2693	2696	2690	253
15°	2354	2421	2363	2302	2354	657
25°	1756	1848	1777	1692	1756	798
35°	964	1085	985	894	964	602
45°	326	391	344	318	326	260
55°	42	45	45	46	42	47
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°	0	1	1	0	0	0
155°	1	1	1	1	1	0
165°	1	1	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°	2720.0	2720.0	2720.0	2720.0	2720.0	2720.0	2720.0	2720.0	2720.0	2720.0	2720.0
0.5°	2720.5	2719.6	2719.8	2720.5	2719.6	2719.8	2721.0	2720.5	2720.5	2719.6	2719.6
1°	2719.3	2719.3	2719.8	2720.5	2719.6	2719.8	2720.3	2720.3	2719.6	2718.6	2718.6
1.5°	2717.9	2718.4	2719.3	2719.6	2718.6	2719.3	2719.6	2719.3	2718.6	2717.2	2717.2
2°	2716.0	2716.9	2718.6	2718.4	2716.9	2717.7	2718.6	2718.4	2716.7	2714.6	2715.0
2.5°	2713.6	2716.0	2717.4	2716.2	2714.6	2715.3	2717.7	2716.9	2714.3	2711.7	2712.2
3°	2711.0	2714.6	2715.7	2713.4	2711.0	2712.4	2715.3	2715.3	2711.7	2707.6	2708.1
3.5°	2706.7	2712.9	2713.8	2709.8	2706.2	2708.6	2712.6	2712.9	2708.6	2702.6	2703.1
4°	2701.9	2710.5	2711.9	2705.0	2699.7	2703.3	2710.0	2710.5	2704.0	2696.4	2697.1
4.5°	2695.9	2707.2	2708.8	2699.0	2692.1	2696.9	2706.0	2707.2	2699.0	2689.2	2690.4
5°	2689.5	2703.1	2704.0	2691.6	2683.7	2689.0	2700.9	2703.3	2692.6	2681.4	2683.0
5.5°	2682.1	2697.6	2698.8	2684.0	2674.7	2680.9	2695.0	2698.1	2685.9	2672.8	2675.4
6°	2674.4	2690.9	2692.3	2675.1	2665.1	2671.8	2688.3	2691.9	2677.8	2663.9	2667.0
6.5°	2665.6	2683.3	2684.9	2666.3	2655.3	2662.5	2680.4	2684.5	2668.7	2654.8	2658.7
7°	2656.3	2673.9	2675.6	2656.7	2645.8	2652.9	2671.3	2675.6	2658.9	2645.0	2650.1
7.5°	2646.0	2663.4	2665.1	2646.5	2636.2	2642.7	2661.3	2665.3	2649.1	2635.2	2640.7
8°	2635.7	2652.0	2653.2	2635.2	2626.4	2632.1	2649.8	2653.2	2637.4	2625.2	2631.2
8.5°	2623.8	2638.8	2640.0	2623.5	2616.6	2621.9	2636.9	2640.5	2625.0	2614.0	2620.7
9°	2611.1	2624.3	2625.2	2611.4	2606.6	2610.2	2622.6	2625.7	2611.8	2602.5	2609.2
9.5°	2597.0	2608.3	2609.5	2598.2	2596.6	2598.0	2607.5	2609.5	2598.0	2589.9	2596.8
10°	2582.5	2591.3	2592.3	2584.1	2585.8	2584.8	2591.1	2592.3	2582.0	2576.5	2582.7
10.5°	2566.2	2572.9	2573.9	2569.1	2574.1	2571.5	2573.9	2573.4	2565.0	2560.5	2566.0
11°	2548.1	2553.6	2554.5	2553.1	2561.2	2556.7	2555.5	2554.5	2547.3	2543.8	2547.6
11.5°	2528.2	2532.5	2534.9	2536.4	2547.3	2541.4	2536.6	2534.4	2528.2	2525.1	2527.0
12°	2506.0	2510.8	2514.4	2517.7	2532.8	2524.9	2517.5	2513.7	2507.9	2503.4	2503.2
12.5°	2483.1	2488.3	2492.4	2499.8	2516.1	2506.7	2497.4	2492.2	2485.0	2480.0	2476.4
13°	2459.0	2465.6	2470.9	2480.2	2499.3	2488.8	2476.6	2469.2	2463.3	2455.6	2450.4
13.5°	2433.9	2441.5	2448.7	2460.6	2480.9	2470.4	2455.4	2447.0	2439.1	2429.8	2422.9
14°	2407.8	2416.9	2426.2	2439.4	2461.3	2450.1	2433.6	2423.1	2414.8	2403.3	2394.2
14.5°	2381.7	2392.1	2403.3	2418.4	2441.3	2429.6	2410.7	2399.5	2388.5	2375.8	2365.4
15°	2354.5	2366.8	2379.2	2396.1	2420.7	2407.6	2388.7	2375.2	2362.7	2348.0	2335.5
15.5°	2326.7	2340.8	2355.2	2373.0	2399.2	2385.4	2364.6	2350.2	2336.3	2319.9	2305.6
16°	2299.2	2314.2	2330.2	2348.2	2376.2	2362.0	2340.5	2324.2	2309.1	2290.7	2276.2
16.5°	2271.6	2288.0	2305.0	2324.3	2352.9	2337.9	2314.8	2298.0	2281.6	2261.9	2247.2
17°	2243.4	2261.3	2279.2	2299.3	2328.6	2313.1	2289.2	2271.3	2253.6	2233.2	2218.1
17.5°	2214.5	2234.1	2252.4	2273.5	2303.7	2287.7	2263.4	2243.5	2225.5	2204.6	2189.0
18°	2185.7	2206.2	2225.3	2246.7	2277.0	2262.0	2236.3	2216.2	2197.8	2176.1	2160.3
18.5°	2157.1	2178.0	2198.3	2219.8	2250.6	2235.1	2209.5	2189.2	2169.6	2147.4	2132.1
19°	2128.6	2149.8	2171.7	2192.7	2222.8	2207.9	2182.9	2161.7	2140.5	2119.5	2103.8
19.5°	2100.4	2121.9	2144.5	2165.2	2195.7	2180.6	2156.0	2133.4	2112.5	2091.9	2078.6
20°	2071.7	2093.4	2117.1	2137.4	2166.9	2153.4	2129.2	2106.5	2085.0	2064.1	2051.4
20.5°	2043.3	2065.8	2089.4	2109.5	2138.7	2125.5	2101.5	2080.0	2056.2	2036.4	2024.2
21°	2014.7	2036.9	2061.2	2080.7	2109.8	2096.5	2074.1	2052.3	2027.4	2008.7	1997.0
21.5°	1986.3	2008.5	2033.5	2051.7	2078.9	2066.5	2046.6	2024.6	1998.5	1981.0	1969.8
22°	1956.4	1978.9	2004.3	2021.1	2048.0	2036.5	2019.2	1996.9	1969.7	1953.2	1939.9

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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°	1926.4	1950.4	1975.3	1991.8	2017.2	2006.4	1991.7	1969.2	1943.2	1922.5	1910.3
23°	1893.8	1919.5	1945.9	1959.0	1986.3	1976.4	1964.3	1938.6	1911.8	1889.9	1879.4
23.5°	1861.4	1888.9	1916.0	1928.2	1955.4	1946.4	1933.1	1908.4	1879.3	1857.0	1846.6
24°	1827.1	1857.1	1884.4	1894.0	1919.4	1912.7	1902.7	1877.3	1845.6	1823.5	1811.1
24.5°	1792.2	1824.0	1853.9	1861.2	1884.5	1879.1	1871.3	1845.0	1811.6	1787.7	1774.1
25°	1756.0	1789.7	1821.3	1825.5	1848.2	1844.5	1839.0	1812.5	1777.1	1751.3	1735.7
25.5°	1720.4	1755.6	1788.2	1791.7	1812.9	1809.7	1805.5	1779.2	1742.0	1714.0	1695.6
26°	1684.2	1719.9	1753.6	1755.8	1777.2	1774.2	1771.6	1744.8	1706.9	1676.4	1653.4
26.5°	1649.0	1683.9	1718.3	1719.6	1741.1	1738.2	1735.8	1708.4	1670.4	1637.9	1611.2
27°	1611.1	1647.2	1679.8	1683.3	1704.8	1701.6	1698.9	1671.8	1634.4	1598.8	1569.6
27.5°	1573.7	1610.2	1640.1	1646.2	1669.7	1665.7	1661.0	1634.4	1598.2	1558.4	1529.2
28°	1535.0	1572.6	1598.9	1608.7	1633.6	1629.3	1620.1	1595.7	1560.5	1518.9	1489.2
28.5°	1496.1	1532.0	1556.0	1569.9	1597.2	1591.3	1579.5	1556.1	1522.3	1478.5	1449.0
29°	1455.3	1493.2	1512.7	1531.2	1560.4	1554.2	1537.1	1515.0	1483.1	1439.0	1410.8
29.5°	1415.4	1452.6	1467.7	1492.3	1522.7	1515.7	1493.9	1472.5	1443.1	1400.0	1372.4
30°	1372.9	1410.5	1424.0	1451.7	1483.1	1476.6	1448.7	1428.7	1402.6	1360.8	1333.9
30.5°	1331.9	1366.5	1380.7	1409.6	1443.8	1435.7	1404.6	1384.4	1360.5	1321.3	1294.9
31°	1290.9	1324.0	1338.7	1368.0	1404.0	1395.4	1361.8	1340.2	1319.4	1282.9	1255.1
31.5°	1250.4	1279.1	1297.7	1326.0	1364.3	1354.1	1320.1	1295.8	1276.8	1244.5	1215.4
32°	1209.3	1235.8	1258.0	1283.4	1324.1	1312.3	1280.0	1253.2	1236.5	1206.3	1175.0
32.5°	1169.8	1191.5	1218.4	1241.6	1285.1	1270.8	1239.8	1211.6	1192.8	1167.3	1135.0
33°	1130.0	1150.8	1180.4	1200.1	1246.1	1228.4	1202.2	1170.7	1150.3	1129.5	1094.4
33.5°	1090.1	1107.7	1141.7	1158.4	1206.5	1186.8	1163.6	1131.0	1107.6	1090.1	1053.5
34°	1050.7	1068.5	1103.5	1119.1	1166.0	1146.1	1125.8	1092.1	1066.8	1050.9	1015.1
34.5°	1010.7	1027.6	1063.8	1080.1	1125.6	1106.2	1087.7	1053.8	1024.6	1011.2	975.9
35°	964.2	988.4	1024.5	1042.2	1085.4	1066.9	1049.5	1016.6	984.6	970.5	939.4
35.5°	927.2	950.7	986.5	1005.2	1045.3	1028.3	1010.7	978.0	945.6	930.9	903.8
36°	890.3	912.9	949.1	969.8	1004.3	990.6	972.3	939.3	908.2	892.0	868.9
36.5°	853.4	875.2	911.7	932.9	964.2	952.2	934.0	901.1	869.4	853.6	833.5
37°	816.4	837.4	874.3	896.1	924.2	915.1	896.0	863.4	832.5	816.2	800.0
37.5°	778.2	799.7	836.9	859.3	884.9	878.4	858.4	824.9	796.6	778.9	765.5
38°	740.7	765.4	799.5	822.4	846.6	842.2	823.3	788.4	761.2	743.6	731.6
38.5°	704.3	730.4	765.0	786.0	808.0	805.6	787.9	752.8	726.0	708.9	697.2
39°	669.6	697.1	731.8	751.0	771.0	771.4	754.4	718.1	692.2	675.2	664.3
39.5°	635.0	663.4	697.7	715.8	734.5	735.5	721.1	684.8	658.6	640.7	631.2
40°	601.5	631.4	664.5	681.2	698.8	701.5	688.1	653.1	625.5	607.5	599.0
40.5°	569.7	600.5	632.2	647.5	664.4	665.9	655.2	621.1	592.8	575.1	567.1
41°	538.6	569.4	599.8	614.8	630.0	632.6	622.8	590.4	561.1	543.7	536.7
41.5°	508.1	539.0	567.1	582.7	597.5	599.0	590.7	560.5	530.6	512.8	507.6
42°	479.5	510.8	536.8	552.0	565.5	567.1	558.7	531.7	501.0	482.3	479.4
42.5°	451.7	482.1	506.2	521.2	534.6	534.9	527.0	502.6	472.6	453.6	450.8
43°	424.7	454.1	476.7	490.0	504.3	504.3	496.4	474.8	445.3	425.9	423.4
43.5°	398.1	425.8	447.5	460.0	474.3	473.6	466.5	447.0	418.0	399.2	395.7
44°	373.4	399.2	420.8	430.5	445.2	445.0	437.8	420.4	392.8	374.0	370.4
44.5°	349.1	373.3	393.9	401.8	417.3	416.1	409.6	393.7	368.1	349.6	343.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	325.7	348.8	368.2	374.1	390.7	388.9	382.8	368.4	344.5	326.0	319.2
45.5°	303.2	324.3	343.5	346.6	363.8	361.4	356.9	343.7	321.6	303.5	295.0
46°	282.5	301.5	319.1	320.9	338.4	335.8	331.6	319.9	299.1	282.2	273.4
46.5°	261.8	278.8	295.1	295.9	313.2	310.2	307.6	296.3	278.4	263.6	254.0
47°	242.5	258.4	272.1	272.4	290.1	286.0	283.7	274.1	259.8	245.0	234.7
47.5°	223.7	237.7	249.7	249.6	268.9	265.1	262.8	254.5	241.4	226.4	215.4
48°	206.6	218.9	228.6	228.2	247.8	244.1	242.0	234.8	222.9	207.8	196.0
48.5°	189.6	199.9	208.1	208.1	226.6	223.1	221.3	215.2	204.5	189.3	180.3
49°	174.1	183.0	188.7	189.4	205.4	202.2	200.5	195.6	186.0	173.7	165.9
49.5°	159.3	166.7	170.1	171.6	184.4	181.3	179.8	176.1	170.2	158.9	152.7
50°	144.9	151.2	152.8	154.6	166.2	163.9	162.3	159.7	155.1	145.3	140.3
50.5°	131.1	135.8	136.9	138.6	148.8	147.4	145.9	144.0	140.9	132.4	128.5
51°	118.8	122.3	122.4	123.8	133.2	132.3	130.8	129.4	127.2	120.3	117.5
51.5°	106.6	109.3	108.7	110.0	118.2	118.0	116.9	115.7	114.6	109.1	107.2
52°	95.5	97.4	96.4	97.5	104.6	104.7	103.7	103.0	102.2	98.2	97.2
52.5°	85.8	87.5	86.6	87.5	91.8	92.3	91.5	91.0	90.7	88.0	87.5
53°	76.1	77.7	76.8	77.5	80.2	81.0	80.4	79.9	79.8	78.1	78.1
53.5°	66.5	67.9	67.0	67.5	69.5	70.3	70.1	69.6	69.9	68.8	69.3
54°	56.9	58.0	57.2	57.4	60.0	60.9	60.8	60.0	60.5	60.2	60.9
54.5°	49.1	48.2	47.5	47.5	51.8	52.6	52.5	51.7	52.2	52.2	53.2
55°	42.2	41.4	40.7	40.8	44.7	45.5	45.4	44.6	44.9	45.0	46.0
55.5°	36.0	35.0	34.4	34.3	38.2	38.9	38.9	38.1	38.3	38.7	39.6
56°	29.7	28.7	28.1	28.1	31.9	32.3	32.3	34.0	33.6	34.4	33.2
56.5°	24.1	23.2	22.7	22.8	28.2	28.6	28.6	29.8	28.9	30.0	29.1
57°	19.5	18.8	18.4	18.7	24.5	24.9	24.9	25.7	24.2	25.7	25.2
57.5°	16.1	15.6	15.3	15.6	20.8	21.3	21.2	21.5	19.5	21.4	21.3
58°	13.6	13.2	13.0	13.4	17.1	17.6	17.5	17.3	14.9	17.1	17.3
58.5°	11.8	11.4	11.3	11.6	13.4	14.0	13.8	13.2	12.8	12.8	13.4
59°	10.3	10.0	9.9	10.2	11.8	12.3	12.1	11.5	11.2	11.2	11.5
59.5°	9.4	9.1	9.1	9.4	10.5	11.0	10.8	10.3	9.9	9.8	10.2
60°	8.6	8.3	8.3	8.6	9.5	9.9	9.7	9.2	8.9	8.8	9.1
60.5°	7.7	7.5	7.5	7.7	8.6	8.9	8.8	8.3	8.0	7.9	8.1
61°	6.9	6.7	6.7	6.9	7.8	8.1	8.0	7.5	7.2	7.1	7.4
61.5°	6.3	6.1	6.1	6.3	7.1	7.4	7.3	6.8	6.6	6.5	6.7
62°	5.7	5.6	5.6	5.8	6.5	6.8	6.7	6.3	6.0	5.9	6.1
62.5°	5.2	5.1	5.1	5.3	6.0	6.3	6.1	5.7	5.5	5.4	5.6
63°	4.8	4.7	4.7	4.9	5.5	5.8	5.7	5.3	5.1	5.0	5.2
63.5°	4.4	4.3	4.4	4.5	5.1	5.4	5.2	4.9	4.7	4.6	4.8
64°	4.1	4.0	4.0	4.2	4.7	5.0	4.8	4.5	4.3	4.3	4.4
64.5°	3.8	3.7	3.7	3.9	4.4	4.6	4.5	4.2	4.0	4.0	4.1
65°	3.5	3.4	3.5	3.6	4.1	4.3	4.2	3.9	3.7	3.7	3.8
65.5°	3.2	3.2	3.2	3.4	3.8	4.0	3.9	3.6	3.4	3.4	3.5
66°	3.0	2.9	3.0	3.1	3.5	3.7	3.6	3.4	3.2	3.2	3.3
66.5°	2.8	2.7	2.8	2.9	3.3	3.5	3.4	3.1	3.0	2.9	3.0
67°	2.6	2.5	2.6	2.7	3.1	3.2	3.1	2.9	2.8	2.7	2.8

TEST NUMBER: P1590467

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	2.4	2.4	2.4	2.5	2.9	3.0	2.9	2.7	2.6	2.5	2.6
68°	2.2	2.2	2.2	2.3	2.7	2.8	2.7	2.5	2.4	2.4	2.4
68.5°	2.1	2.0	2.1	2.2	2.5	2.6	2.5	2.3	2.2	2.2	2.3
69°	1.9	1.9	1.9	2.0	2.3	2.4	2.3	2.2	2.1	2.1	2.1
69.5°	1.8	1.7	1.8	1.9	2.1	2.3	2.2	2.0	1.9	1.9	2.0
70°	1.6	1.6	1.6	1.7	2.0	2.1	2.0	1.9	1.8	1.8	1.8
70.5°	1.5	1.5	1.5	1.6	1.9	2.0	1.9	1.7	1.7	1.6	1.7
71°	1.4	1.4	1.4	1.5	1.7	1.8	1.7	1.6	1.5	1.5	1.6
71.5°	1.3	1.3	1.3	1.4	1.6	1.7	1.6	1.5	1.4	1.4	1.5
72°	1.2	1.2	1.2	1.3	1.5	1.6	1.5	1.4	1.3	1.3	1.3
72.5°	1.1	1.1	1.1	1.2	1.4	1.4	1.4	1.3	1.2	1.2	1.3
73°	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.2	1.1	1.1	1.1
73.5°	0.9	0.9	0.9	1.0	1.2	1.2	1.2	1.1	1.0	1.0	1.1
74°	0.8	0.8	0.8	0.9	1.1	1.1	1.1	1.0	1.0	0.9	1.0
74.5°	0.8	0.8	0.8	0.8	1.0	1.0	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	0.8	0.8	0.8	0.8
75.5°	0.6	0.6	0.6	0.7	0.8	0.9	0.8	0.8	0.7	0.7	0.8
76°	0.6	0.6	0.6	0.6	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	0.7	0.7	0.6	0.6	0.6	0.6
77°	0.5	0.4	0.5	0.5	0.6	0.7	0.6	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	0.5	0.5	0.5	0.4	0.4	0.4
78.5°	0.3	0.3	0.3	0.4	0.4	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°	0.2	0.2	0.2	0.3	0.3	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	0.2	0.2	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	0.1	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: P1590467

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-2700K

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: P1590467

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-2700K

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	0.0	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	0.1	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°	0.1	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	0.2	0.1	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	0.1	0.1	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	0.2	0.3
130.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
131°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
131.5°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
132°	0.3	0.3	0.3	0.3	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	0.3	0.4
133.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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: P1590467

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-2700K

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°	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5
136.5°	0.4	0.4	0.4	0.4	0.4	0.4	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	0.5
138.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6
139°	0.4	0.4	0.4	0.4	0.5	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°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.7
141°	0.5	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.7	0.7	0.7
141.5°	0.5	0.5	0.4	0.4	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	0.7	0.7	0.7
143°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	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	0.8	0.8
145°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.9	0.9
145.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.9	0.9	0.9	0.9
146°	0.6	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
146.5°	0.6	0.6	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147°	0.6	0.6	0.5	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	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	1.0	1.0
149.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.1
150°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.1	1.1	1.1
150.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
151°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
151.5°	0.7	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
152°	0.7	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.2	1.1
152.5°	0.7	0.7	0.6	0.6	1.1	1.1	1.1	1.2	1.2	1.2	1.2
153°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
153.5°	0.7	0.7	0.6	0.6	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	1.2	1.2	1.2
154.5°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2
155°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.3	1.3	1.3
155.5°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	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°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3

TEST NUMBER: P1590467

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-2700K

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	1.4	1.3
158.5°	0.8	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.4	1.4	1.4
159°	0.8	0.7	0.7	0.7	1.3	1.4	1.4	1.4	1.4	1.4	1.4
159.5°	0.8	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
160°	0.8	0.8	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
160.5°	0.8	0.8	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
161°	0.8	0.8	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
161.5°	0.8	0.8	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
162°	0.8	0.8	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.5	1.4
162.5°	0.8	0.8	0.7	0.7	1.4	1.4	1.4	1.4	1.5	1.5	1.5
163°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.5	1.5	1.5	1.5
163.5°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.5	1.5	1.5	1.5
164°	0.8	0.8	0.8	0.7	1.4	1.4	1.5	1.5	1.5	1.5	1.5
164.5°	0.8	0.8	0.8	0.7	1.4	1.4	1.5	1.5	1.5	1.5	1.5
165°	0.8	0.8	0.8	0.7	1.4	1.4	1.5	1.5	1.5	1.5	1.5
165.5°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.5	1.5	1.5	1.5
166°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.4	1.5	1.4	1.5
166.5°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.4	1.5	1.4	1.4
167°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
167.5°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
168°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
168.5°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
169°	0.8	0.8	0.8	0.7	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	1.3	1.3	1.4	1.4	1.4	1.4	1.4
170.5°	0.8	0.8	0.8	0.7	1.3	1.3	1.4	1.4	1.4	1.3	1.3
171°	0.8	0.8	0.8	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
171.5°	0.8	0.8	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
172°	0.8	0.8	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
172.5°	0.8	0.8	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
173°	0.8	0.8	0.7	0.7	1.2	1.3	1.3	1.3	1.3	1.3	1.3
173.5°	0.8	0.8	0.7	0.7	1.2	1.2	1.3	1.3	1.3	1.3	1.2
174°	0.8	0.8	0.7	0.7	1.2	1.2	1.3	1.3	1.3	1.2	1.2
174.5°	0.8	0.8	0.7	0.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2
175°	0.8	0.8	0.8	0.7	1.2	1.2	1.2	1.2	1.2	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	1.1	1.1	1.2	1.2	1.2	1.2	1.2
177°	0.8	0.8	0.8	0.8	1.1	1.1	1.2	1.2	1.2	1.1	1.1
177.5°	0.9	0.9	0.9	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	1.1	1.1	1.1	1.1	1.1	1.1	1.1
179°	1.0	0.9	0.9	0.9	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	1.0	1.0



TEST NUMBER: P1590467

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-2700K

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: P1590467

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2720.0	2720.0	2720.0	2720.0	2720.0	2720.0
0.5°	2720.3	2718.4	2719.3	2720.3	2720.0	2720.5
1°	2719.6	2717.7	2718.6	2719.1	2718.9	2719.3
1.5°	2718.4	2716.5	2717.7	2717.4	2716.9	2717.9
2°	2716.9	2715.0	2715.5	2714.6	2714.3	2716.0
2.5°	2714.3	2713.4	2713.4	2711.7	2711.5	2713.6
3°	2711.9	2711.7	2711.0	2707.6	2706.7	2711.0
3.5°	2708.3	2708.8	2707.4	2702.9	2701.2	2706.7
4°	2704.3	2705.2	2703.3	2697.1	2695.2	2701.9
4.5°	2698.8	2701.2	2698.6	2690.9	2688.5	2695.9
5°	2693.1	2696.2	2693.3	2683.7	2680.9	2689.5
5.5°	2687.1	2690.7	2687.3	2676.6	2673.0	2682.1
6°	2680.2	2684.2	2680.9	2669.2	2664.4	2674.4
6.5°	2672.5	2677.3	2673.5	2661.5	2656.5	2665.6
7°	2664.4	2668.5	2665.6	2653.4	2647.4	2656.3
7.5°	2655.6	2659.1	2656.0	2645.3	2638.8	2646.0
8°	2645.5	2648.1	2645.8	2635.2	2629.3	2635.7
8.5°	2635.0	2635.7	2633.8	2625.5	2619.2	2623.8
9°	2622.4	2620.9	2620.4	2613.5	2608.0	2611.1
9.5°	2608.5	2604.7	2604.9	2600.6	2595.6	2597.0
10°	2592.3	2585.3	2587.0	2584.8	2582.0	2582.5
10.5°	2573.6	2564.1	2566.2	2568.1	2566.7	2566.2
11°	2552.8	2539.9	2543.3	2548.1	2549.3	2548.1
11.5°	2528.2	2512.9	2517.2	2525.4	2529.4	2528.2
12°	2502.2	2484.0	2489.5	2499.6	2506.3	2506.0
12.5°	2474.2	2455.4	2460.6	2473.1	2481.4	2483.1
13°	2445.8	2425.0	2430.5	2444.6	2456.3	2459.0
13.5°	2416.4	2395.7	2400.4	2415.5	2429.6	2433.9
14°	2386.5	2364.3	2369.9	2385.7	2401.4	2407.8
14.5°	2355.8	2333.5	2339.2	2356.2	2373.0	2381.7
15°	2325.2	2301.8	2307.8	2325.3	2344.1	2354.5
15.5°	2295.3	2271.6	2277.6	2296.3	2314.4	2326.7
16°	2265.7	2241.7	2248.2	2266.1	2284.8	2299.2
16.5°	2235.9	2213.0	2218.9	2237.2	2256.9	2271.6
17°	2207.1	2183.2	2189.2	2208.5	2227.7	2243.4
17.5°	2178.7	2154.0	2161.1	2179.3	2199.4	2214.5
18°	2150.3	2124.6	2131.8	2150.5	2169.9	2185.7
18.5°	2121.1	2095.6	2102.8	2122.3	2141.2	2157.1
19°	2093.6	2066.9	2075.0	2093.7	2112.0	2128.6
19.5°	2066.7	2037.6	2046.9	2065.9	2083.7	2100.4
20°	2039.9	2010.1	2019.7	2037.8	2054.7	2071.7
20.5°	2013.0	1981.4	1991.6	2010.7	2026.5	2043.3
21°	1986.2	1954.2	1963.9	1982.1	1997.8	2014.7
21.5°	1959.3	1925.7	1936.2	1954.1	1968.8	1986.3
22°	1931.7	1898.0	1908.5	1925.5	1940.6	1956.4

TEST NUMBER: P1590467

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1903.2	1869.1	1879.3	1897.1	1910.3	1926.4
23°	1872.0	1838.3	1847.9	1866.2	1878.4	1893.8
23.5°	1838.4	1804.9	1815.2	1833.5	1846.3	1861.4
24°	1804.2	1769.0	1780.3	1798.5	1811.6	1827.1
24.5°	1768.8	1729.7	1744.1	1761.0	1774.9	1792.2
25°	1731.7	1692.5	1706.2	1722.4	1736.5	1756.0
25.5°	1692.8	1654.5	1667.8	1682.0	1698.2	1720.4
26°	1653.8	1616.8	1628.8	1640.6	1658.7	1684.2
26.5°	1613.4	1577.5	1589.2	1598.9	1618.2	1649.0
27°	1571.8	1540.4	1549.2	1556.6	1575.9	1611.1
27.5°	1529.6	1502.4	1507.7	1514.3	1534.6	1573.7
28°	1486.5	1463.2	1466.4	1472.7	1495.3	1535.0
28.5°	1443.9	1423.8	1425.8	1431.3	1456.1	1496.1
29°	1402.6	1383.8	1385.1	1391.1	1417.5	1455.3
29.5°	1361.9	1342.3	1344.3	1351.4	1379.5	1415.4
30°	1321.4	1300.5	1302.4	1312.4	1342.3	1372.9
30.5°	1280.7	1257.1	1260.7	1273.1	1303.8	1331.9
31°	1241.2	1215.7	1219.2	1233.8	1265.6	1290.9
31.5°	1201.5	1173.2	1178.2	1194.6	1226.5	1250.4
32°	1162.6	1131.9	1137.8	1155.1	1186.3	1209.3
32.5°	1123.9	1091.3	1097.9	1115.7	1146.2	1169.8
33°	1084.9	1051.4	1059.1	1076.1	1105.7	1130.0
33.5°	1045.6	1010.7	1021.2	1035.7	1064.6	1090.1
34°	1007.2	965.9	985.4	997.3	1023.5	1050.7
34.5°	968.7	929.9	948.1	960.7	984.1	1010.7
35°	931.6	894.0	910.8	924.1	946.8	964.2
35.5°	894.1	858.0	873.5	887.5	909.4	927.2
36°	858.5	822.1	836.3	850.9	872.1	890.3
36.5°	822.5	787.3	799.0	814.3	834.7	853.4
37°	787.1	752.9	763.6	779.9	797.4	816.4
37.5°	752.2	719.4	728.7	745.8	762.7	778.2
38°	718.2	687.6	694.3	713.0	728.4	740.7
38.5°	685.2	656.0	660.9	679.5	693.7	704.3
39°	653.0	625.7	630.5	647.2	660.4	669.6
39.5°	621.1	594.7	599.7	614.2	626.7	635.0
40°	589.3	564.6	569.5	582.6	593.3	601.5
40.5°	559.3	536.1	540.4	551.0	559.9	569.7
41°	529.8	508.5	512.6	520.5	528.6	538.6
41.5°	501.3	481.8	485.2	491.1	497.1	508.1
42°	473.5	456.1	458.5	462.6	467.6	479.5
42.5°	446.0	431.3	432.8	433.9	438.5	451.7
43°	420.0	407.4	407.6	408.0	411.4	424.7
43.5°	394.8	383.9	383.5	381.2	384.7	398.1
44°	370.9	361.3	360.3	355.9	359.2	373.4
44.5°	347.7	339.4	338.1	331.0	334.3	349.1

TEST NUMBER: P1590467

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	325.2	318.4	316.4	307.7	310.4	325.7
45.5°	303.7	298.2	296.0	285.0	288.1	303.2
46°	283.1	279.0	276.4	263.6	266.7	282.5
46.5°	263.8	260.0	257.5	243.3	246.0	261.8
47°	246.0	241.9	239.4	224.7	226.6	242.5
47.5°	228.3	224.6	221.8	207.2	208.8	223.7
48°	210.6	207.9	205.2	190.9	192.3	206.6
48.5°	192.9	192.4	189.5	175.9	176.9	189.6
49°	177.3	177.3	174.4	162.2	162.1	174.1
49.5°	162.5	162.7	160.1	149.5	149.4	159.3
50°	149.0	148.9	146.2	137.3	136.9	144.9
50.5°	135.9	135.7	133.4	125.9	125.3	131.1
51°	123.8	123.2	121.3	115.2	114.1	118.8
51.5°	112.2	111.1	109.8	104.9	104.0	106.6
52°	101.4	100.0	98.8	94.9	95.0	95.5
52.5°	90.9	90.5	89.6	86.0	85.8	85.8
53°	81.0	81.0	80.5	77.2	76.7	76.1
53.5°	71.9	71.6	71.3	68.4	67.5	66.5
54°	63.0	62.1	62.1	59.6	58.3	56.9
54.5°	54.8	52.7	53.0	52.0	50.6	49.1
55°	47.5	45.5	45.9	45.2	43.6	42.2
55.5°	41.1	39.2	39.6	38.8	37.7	36.0
56°	34.8	32.8	33.3	32.7	31.4	29.7
56.5°	30.6	27.0	27.6	26.9	25.7	24.1
57°	26.5	22.2	22.6	22.0	20.8	19.5
57.5°	22.4	18.5	18.9	18.3	17.3	16.1
58°	18.2	15.8	16.2	15.6	14.6	13.6
58.5°	14.1	13.7	14.1	13.6	12.7	11.8
59°	12.2	12.0	12.4	11.9	11.0	10.3
59.5°	10.8	10.6	11.0	10.6	9.8	9.4
60°	9.7	9.9	9.8	9.8	9.0	8.6
60.5°	8.7	9.1	9.1	9.0	8.2	7.7
61°	7.9	8.3	8.4	8.2	7.5	6.9
61.5°	7.2	7.5	7.7	7.5	6.7	6.3
62°	6.5	6.8	7.0	6.7	6.1	5.7
62.5°	6.0	6.2	6.4	6.2	5.6	5.2
63°	5.5	5.7	5.9	5.7	5.2	4.8
63.5°	5.1	5.3	5.5	5.2	4.8	4.4
64°	4.7	4.9	5.1	4.8	4.4	4.1
64.5°	4.4	4.5	4.7	4.5	4.1	3.8
65°	4.0	4.2	4.4	4.2	3.8	3.5
65.5°	3.8	3.9	4.1	3.9	3.5	3.2
66°	3.5	3.6	3.8	3.6	3.2	3.0
66.5°	3.2	3.4	3.5	3.3	3.0	2.8
67°	3.0	3.2	3.3	3.1	2.8	2.6

TEST NUMBER: P1590467

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	2.8	2.9	3.1	2.9	2.6	2.4
68°	2.6	2.7	2.8	2.7	2.4	2.2
68.5°	2.4	2.5	2.6	2.5	2.2	2.1
69°	2.3	2.4	2.5	2.3	2.1	1.9
69.5°	2.1	2.2	2.3	2.1	1.9	1.8
70°	1.9	2.0	2.1	2.0	1.8	1.6
70.5°	1.8	1.9	2.0	1.8	1.6	1.5
71°	1.7	1.8	1.8	1.7	1.5	1.4
71.5°	1.6	1.6	1.7	1.6	1.4	1.3
72°	1.5	1.5	1.6	1.5	1.3	1.2
72.5°	1.3	1.4	1.5	1.4	1.2	1.1
73°	1.2	1.3	1.4	1.3	1.1	1.0
73.5°	1.1	1.2	1.2	1.2	1.0	0.9
74°	1.1	1.1	1.2	1.1	0.9	0.8
74.5°	1.0	1.0	1.1	1.0	0.9	0.8
75°	0.9	0.9	1.0	0.9	0.8	0.7
75.5°	0.8	0.9	0.9	0.8	0.7	0.6
76°	0.7	0.8	0.8	0.8	0.7	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	0.6	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	0.4	0.4	0.3	0.3
79.5°	0.3	0.4	0.4	0.4	0.3	0.2
80°	0.3	0.3	0.3	0.3	0.2	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	0.0	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: P1590467

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-2700K

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: P1590467

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-2700K

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°	0.0	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	0.2	0.2	0.1	0.1	0.1
126°	0.1	0.2	0.2	0.2	0.2	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	0.3	0.3	0.2	0.2	0.2
131°	0.3	0.3	0.3	0.3	0.2	0.2
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°	0.3	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: P1590467

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-2700K

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	0.4	0.4	0.4	0.3	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°	0.5	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	0.4	0.4	0.4	0.4	0.4
140°	0.6	0.4	0.4	0.4	0.4	0.4
140.5°	0.7	0.5	0.5	0.5	0.4	0.4
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°	0.7	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°	0.8	0.5	0.5	0.5	0.5	0.5
145°	0.9	0.5	0.5	0.5	0.5	0.5
145.5°	0.9	0.6	0.6	0.6	0.6	0.5
146°	0.9	0.6	0.6	0.6	0.6	0.6
146.5°	0.9	0.6	0.6	0.6	0.6	0.6
147°	0.9	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°	1.0	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	0.6	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	0.7	0.7	0.6
151.5°	1.1	0.6	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°	1.2	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°	1.3	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	0.7	0.7	0.7

TEST NUMBER: P1590467

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-2700K

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°	1.4	0.7	0.7	0.8	0.8	0.8
159°	1.4	0.7	0.7	0.8	0.8	0.8
159.5°	1.4	0.7	0.7	0.8	0.8	0.8
160°	1.4	0.7	0.7	0.8	0.8	0.8
160.5°	1.4	0.7	0.7	0.8	0.8	0.8
161°	1.4	0.7	0.7	0.8	0.8	0.8
161.5°	1.4	0.7	0.7	0.8	0.8	0.8
162°	1.4	0.7	0.8	0.8	0.8	0.8
162.5°	1.4	0.7	0.8	0.8	0.8	0.8
163°	1.4	0.7	0.8	0.8	0.8	0.8
163.5°	1.5	0.7	0.8	0.8	0.8	0.8
164°	1.5	0.7	0.8	0.8	0.8	0.8
164.5°	1.5	0.7	0.8	0.8	0.8	0.8
165°	1.5	0.7	0.8	0.8	0.8	0.8
165.5°	1.5	0.7	0.8	0.8	0.8	0.8
166°	1.4	0.7	0.8	0.8	0.8	0.8
166.5°	1.4	0.7	0.8	0.8	0.8	0.8
167°	1.4	0.7	0.8	0.8	0.8	0.8
167.5°	1.4	0.7	0.8	0.8	0.8	0.8
168°	1.4	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°	1.3	0.7	0.8	0.8	0.8	0.8
171°	1.3	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°	1.2	0.7	0.8	0.8	0.8	0.8
174°	1.2	0.7	0.8	0.8	0.8	0.8
174.5°	1.2	0.7	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°	1.1	0.8	0.8	0.8	0.8	0.8
177°	1.1	0.8	0.9	0.9	0.9	0.8
177.5°	1.1	0.9	0.9	0.9	0.9	0.9
178°	1.1	0.9	0.9	0.9	0.9	0.9
178.5°	1.1	0.9	0.9	1.0	0.9	0.9
179°	1.0	1.0	1.0	1.0	1.0	1.0
179.5°	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P1590467

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-2700K

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: P1590467

CATALOG NUMBER: HCDLS1525CSD4TRH-HI-2700K

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	5.7	6.8	6.1	7.1	7.4	6.7	7.8	7.1	8.1	8.4
	3H	5.7	6.6	6.0	6.9	7.3	6.7	7.6	7.0	7.9	8.3
	4H	5.6	6.4	6.0	6.8	7.2	6.6	7.4	7.0	7.8	8.2
	6H	5.5	6.3	5.9	6.6	7.0	6.5	7.3	6.9	7.6	8.0
	8H	5.4	6.2	5.9	6.5	7.0	6.4	7.2	6.9	7.6	8.0
	12H	5.4	6.1	5.8	6.4	6.9	6.4	7.1	6.8	7.5	7.9
4H	2H	5.5	6.4	6.0	6.7	7.1	6.5	7.4	6.9	7.7	8.1
	3H	5.5	6.2	5.9	6.6	7.0	6.5	7.2	6.9	7.6	8.0
	4H	5.4	6.0	5.9	6.4	6.9	6.4	7.0	6.8	7.4	7.9
	6H	5.3	5.8	5.8	6.3	6.8	6.3	6.8	6.8	7.3	7.7
	8H	5.3	5.7	5.7	6.2	6.7	6.2	6.7	6.7	7.2	7.6
	12H	5.2	5.6	5.7	6.1	6.6	6.2	6.6	6.7	7.1	7.6
8H	4H	5.3	5.7	5.7	6.2	6.7	6.2	6.7	6.7	7.2	7.6
	6H	5.2	5.5	5.7	6.0	6.5	6.1	6.5	6.6	7.0	7.5
	8H	5.1	5.4	5.6	5.9	6.4	6.1	6.4	6.6	6.9	7.4
	12H	5.0	5.3	5.5	5.8	6.4	6.0	6.3	6.5	6.8	7.4
12H	4H	5.2	5.6	5.7	6.1	6.6	6.2	6.6	6.7	7.1	7.6
	6H	5.1	5.4	5.6	5.9	6.4	6.1	6.4	6.6	6.9	7.4
	8H	5.0	5.3	5.5	5.8	6.4	6.0	6.3	6.5	6.8	7.4

(END OF REPORT)