

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: P1590452

Luminaire Tested: HCDLS1525CSD4TRC-HI-2700K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590452
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2603928A002)
Test Lab: INNOVATION CENTER
Issue Date: 9/4/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: HCDLS1525CSD4TRC-HI-2700K
Description: 4" Selectable Round Trim + Specular Clear 2500 Lumens 2700K

Light Source:
Ballast/Driver: -

Summary

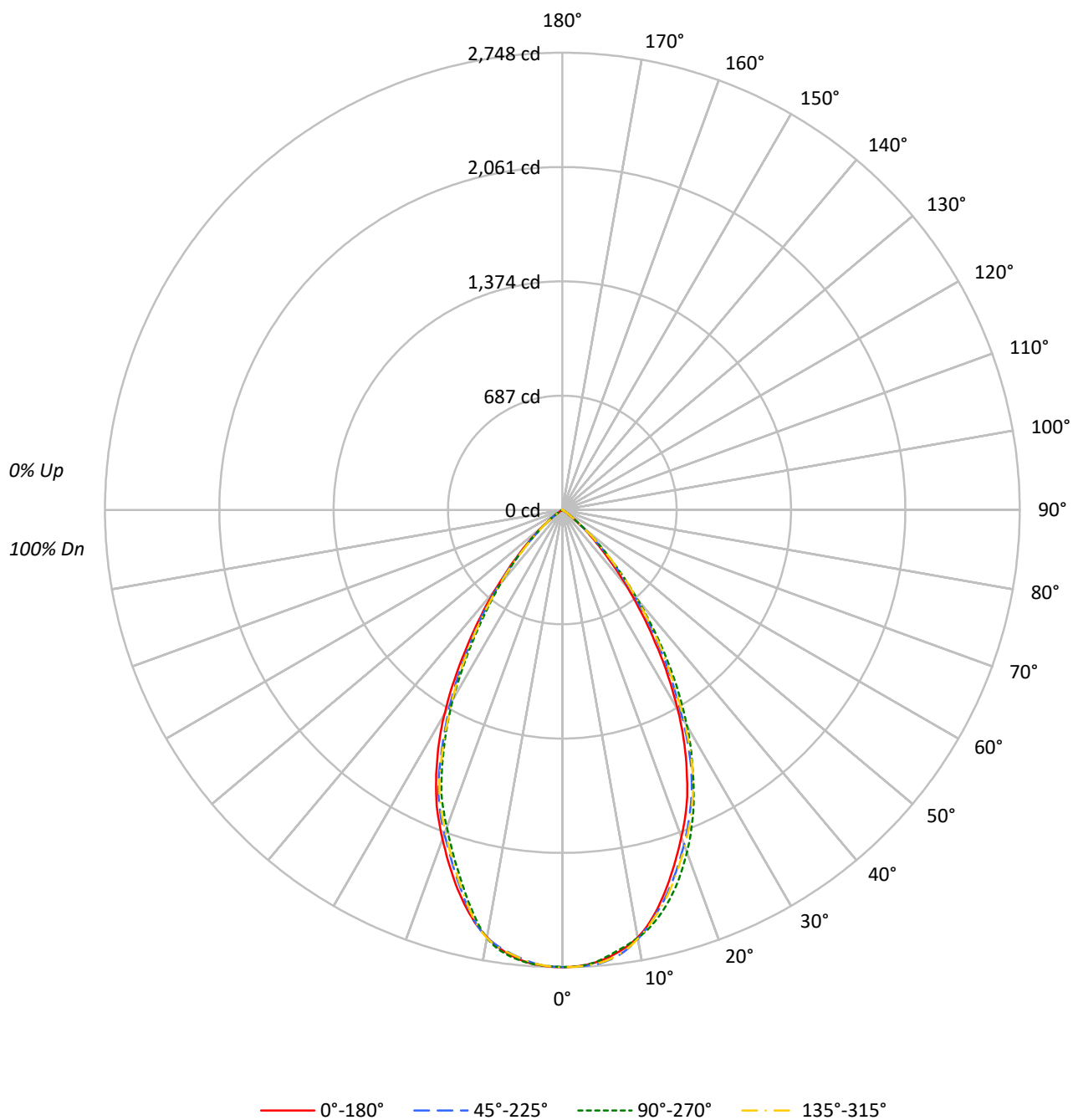
Lumens per Lamp: N/A
Luminaire Lumens: 2686.6 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-2700K

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°	338867	338867	338867	338867
5°	336336	335618	336720	337165
10°	326685	327111	326623	327049
15°	303676	312206	304723	296869
20°	274652	287279	276424	266487
25°	241381	254052	244267	232644
30°	197490	213356	201762	187078
35°	146632	165078	149749	135956
40°	97817	113645	101730	91828
45°	57390	68833	60687	56099
50°	28074	32199	30069	28861
55°	9161	9720	9742	9892
60°	2146	2368	2220	2467
65°	1022	1197	1109	1255
70°	613	721	649	757
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: 68833 cd/sqm

TEST NUMBER: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.2	9.5
10°-20°	665.3	24.8
20°-30°	812.8	30.3
30°-40°	619.2	23.0
40°-50°	276.1	10.3
50°-60°	50.0	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°	1734.2	64.6
0°-40°	2353.4	87.6
0°-60°	2679.5	99.7
0°-90°	2684.9	99.9
90°-120°	0.0	0.0
90°-150°	0.8	0.0
90°-180°	2.0	0.1
0°-180°	2686.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2747	2747	2747	2747	2747	
5°	2716	2711	2720	2723	2716	256
15°	2378	2445	2386	2325	2378	664
25°	1774	1867	1795	1709	1774	806
35°	974	1096	994	903	974	608
45°	329	395	348	322	329	262
55°	43	45	45	46	43	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	1	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	

TEST NUMBER: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3
0.5°	2747.7	2746.8	2747.0	2747.7	2746.8	2747.0	2748.2	2747.7	2747.7	2746.8	2746.8
1°	2746.5	2746.5	2747.0	2747.7	2746.8	2747.0	2747.5	2747.5	2746.8	2745.8	2745.8
1.5°	2745.1	2745.6	2746.5	2746.8	2745.8	2746.5	2746.8	2746.5	2745.8	2744.4	2744.4
2°	2743.1	2744.1	2745.8	2745.6	2744.1	2744.8	2745.8	2745.6	2743.9	2741.7	2742.2
2.5°	2740.7	2743.1	2744.6	2743.4	2741.7	2742.4	2744.8	2744.1	2741.5	2738.8	2739.3
3°	2738.1	2741.7	2742.9	2740.5	2738.1	2739.5	2742.4	2742.4	2738.8	2734.7	2735.2
3.5°	2733.7	2740.0	2741.0	2736.9	2733.3	2735.7	2739.8	2740.0	2735.7	2729.6	2730.1
4°	2728.9	2737.6	2739.0	2732.1	2726.7	2730.4	2737.1	2737.6	2731.1	2723.4	2724.1
4.5°	2722.9	2734.2	2735.9	2726.0	2719.0	2723.8	2733.0	2734.2	2726.0	2716.1	2717.3
5°	2716.4	2730.1	2731.1	2718.5	2710.6	2715.9	2727.9	2730.4	2719.5	2708.2	2709.9
5.5°	2708.9	2724.6	2725.8	2710.8	2701.4	2707.7	2721.9	2725.1	2712.7	2699.5	2702.1
6°	2701.2	2717.8	2719.3	2701.9	2691.8	2698.5	2715.2	2718.8	2704.5	2690.6	2693.7
6.5°	2692.2	2710.1	2711.8	2693.0	2681.9	2689.1	2707.2	2711.3	2695.4	2681.4	2685.2
7°	2682.8	2700.7	2702.4	2683.3	2672.2	2679.5	2698.0	2702.4	2685.5	2671.5	2676.6
7.5°	2672.5	2690.1	2691.8	2672.9	2662.6	2669.1	2687.9	2692.0	2675.6	2661.6	2667.2
8°	2662.1	2678.5	2679.7	2661.6	2652.7	2658.5	2676.3	2679.7	2663.8	2651.5	2657.5
8.5°	2650.0	2665.2	2666.4	2649.8	2642.8	2648.1	2663.3	2666.9	2651.2	2640.1	2646.9
9°	2637.2	2650.5	2651.5	2637.5	2632.7	2636.3	2648.8	2652.0	2638.0	2628.5	2635.3
9.5°	2623.0	2634.3	2635.5	2624.2	2622.5	2624.0	2633.6	2635.5	2624.0	2615.8	2622.8
10°	2608.3	2617.2	2618.2	2610.0	2611.7	2610.7	2617.0	2618.2	2607.8	2602.3	2608.5
10.5°	2591.9	2598.6	2599.6	2594.8	2599.8	2597.2	2599.6	2599.1	2590.7	2586.1	2591.6
11°	2573.5	2579.1	2580.1	2578.6	2586.8	2582.2	2581.0	2580.1	2572.8	2569.2	2573.1
11.5°	2553.5	2557.9	2560.3	2561.7	2572.8	2566.8	2562.0	2559.8	2553.5	2550.4	2552.3
12°	2531.1	2535.9	2539.5	2542.9	2558.1	2550.1	2542.7	2538.8	2533.0	2528.4	2528.2
12.5°	2507.9	2513.2	2517.3	2524.8	2541.2	2531.8	2522.4	2517.1	2509.8	2504.8	2501.2
13°	2483.6	2490.3	2495.6	2505.0	2524.3	2513.7	2501.4	2493.9	2487.9	2480.2	2474.9
13.5°	2458.2	2465.9	2473.2	2485.2	2505.7	2495.1	2479.9	2471.5	2463.5	2454.1	2447.1
14°	2431.9	2441.1	2450.5	2463.8	2486.0	2474.6	2458.0	2447.4	2438.9	2427.3	2418.2
14.5°	2405.5	2416.0	2427.3	2442.5	2465.7	2453.9	2434.8	2423.5	2412.4	2399.6	2389.0
15°	2378.1	2390.5	2403.0	2420.1	2444.9	2431.7	2412.6	2398.9	2386.3	2371.5	2358.8
15.5°	2349.9	2364.2	2378.8	2396.7	2423.2	2409.3	2388.3	2373.7	2359.7	2343.1	2328.7
16°	2322.2	2337.3	2353.5	2371.7	2400.0	2385.6	2363.9	2347.5	2332.2	2313.6	2299.0
16.5°	2294.3	2310.9	2328.0	2347.5	2376.4	2361.3	2338.0	2320.9	2304.4	2284.6	2269.6
17°	2265.8	2283.9	2302.0	2322.3	2351.9	2336.2	2312.1	2294.0	2276.1	2255.6	2240.2
17.5°	2236.7	2256.4	2274.9	2296.3	2326.7	2310.6	2286.0	2265.9	2247.7	2226.6	2210.9
18°	2207.5	2228.3	2247.6	2269.1	2299.8	2284.6	2258.6	2238.4	2219.7	2197.8	2181.9
18.5°	2178.7	2199.8	2220.3	2242.0	2273.1	2257.4	2231.6	2211.1	2191.3	2168.9	2153.5
19°	2149.9	2171.3	2193.5	2214.6	2245.0	2230.0	2204.7	2183.3	2161.9	2140.7	2124.8
19.5°	2121.4	2143.2	2166.0	2186.8	2217.7	2202.4	2177.6	2154.7	2133.7	2112.8	2099.3
20°	2092.4	2114.3	2138.3	2158.8	2188.6	2174.9	2150.5	2127.6	2105.9	2084.8	2071.9
20.5°	2063.7	2086.5	2110.3	2130.6	2160.1	2146.8	2122.6	2100.8	2076.8	2056.8	2044.4
21°	2034.8	2057.2	2081.8	2101.5	2130.8	2117.5	2094.8	2072.8	2047.6	2028.8	2017.0
21.5°	2006.1	2028.6	2053.9	2072.2	2099.7	2087.2	2067.1	2044.8	2018.5	2000.8	1989.5
22°	1975.9	1998.7	2024.4	2041.3	2068.5	2056.8	2039.4	2016.9	1989.4	1972.8	1959.3

TEST NUMBER: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1945.6	1969.9	1995.0	2011.7	2037.3	2026.5	2011.7	1988.9	1962.7	1941.7	1929.4
23°	1912.7	1938.7	1965.3	1978.6	2006.2	1996.2	1983.9	1957.9	1930.9	1908.8	1898.2
23.5°	1880.0	1907.8	1935.1	1947.5	1974.9	1965.9	1952.5	1927.5	1898.1	1875.6	1865.0
24°	1845.3	1875.6	1903.3	1913.0	1938.6	1931.8	1921.8	1896.1	1864.1	1841.7	1829.2
24.5°	1810.2	1842.2	1872.4	1879.8	1903.4	1897.9	1890.0	1863.5	1829.7	1805.6	1791.8
25°	1773.6	1807.6	1839.5	1843.8	1866.7	1863.0	1857.4	1830.6	1794.8	1768.9	1753.1
25.5°	1737.6	1773.2	1806.1	1809.6	1831.0	1827.8	1823.6	1797.0	1759.5	1731.1	1712.6
26°	1701.0	1737.1	1771.1	1773.3	1795.0	1792.0	1789.3	1762.2	1723.9	1693.2	1670.0
26.5°	1665.5	1700.7	1735.4	1736.8	1758.5	1755.6	1753.2	1725.5	1687.1	1654.3	1627.3
27°	1627.2	1663.6	1696.6	1700.1	1721.8	1718.6	1715.9	1688.5	1650.7	1614.7	1585.3
27.5°	1589.5	1626.3	1656.5	1662.7	1686.3	1682.4	1677.6	1650.8	1614.2	1574.0	1544.5
28°	1550.3	1588.4	1614.9	1624.8	1649.9	1645.6	1636.3	1611.7	1576.1	1534.1	1504.1
28.5°	1511.1	1547.4	1571.5	1585.5	1613.1	1607.2	1595.3	1571.6	1537.5	1493.3	1463.4
29°	1469.9	1508.2	1527.8	1546.5	1576.0	1569.8	1552.5	1530.1	1497.9	1453.4	1424.9
29.5°	1429.5	1467.2	1482.4	1507.2	1537.9	1530.8	1508.8	1487.2	1457.5	1414.0	1386.1
30°	1386.6	1424.6	1438.2	1466.2	1498.0	1491.4	1463.2	1443.0	1416.6	1374.4	1347.2
30.5°	1345.3	1380.1	1394.5	1423.7	1458.2	1450.1	1418.6	1398.3	1374.1	1334.5	1307.8
31°	1303.8	1337.2	1352.1	1381.7	1418.0	1409.3	1375.5	1353.6	1332.6	1295.8	1267.7
31.5°	1262.9	1291.9	1310.6	1339.2	1377.9	1367.7	1333.3	1308.8	1289.5	1256.9	1227.5
32°	1221.4	1248.1	1270.6	1296.3	1337.3	1325.4	1292.8	1265.7	1248.9	1218.4	1186.7
32.5°	1181.5	1203.4	1230.6	1254.0	1298.0	1283.5	1252.2	1223.7	1204.7	1179.0	1146.4
33°	1141.3	1162.4	1192.2	1212.1	1258.5	1240.7	1214.2	1182.4	1161.8	1140.8	1105.3
33.5°	1101.0	1118.8	1153.1	1170.0	1218.5	1198.6	1175.3	1142.4	1118.7	1101.0	1064.0
34°	1061.2	1079.2	1114.5	1130.3	1177.7	1157.6	1137.0	1103.0	1077.4	1061.4	1025.3
34.5°	1020.9	1037.9	1074.4	1090.9	1136.9	1117.2	1098.6	1064.3	1034.9	1021.3	985.7
35°	973.8	998.3	1034.7	1052.6	1096.3	1077.6	1060.0	1026.7	994.5	980.2	948.8
35.5°	936.5	960.2	996.4	1015.3	1055.8	1038.6	1020.8	987.8	955.0	940.2	912.8
36°	899.2	922.1	958.6	979.5	1014.3	1000.5	982.0	948.7	917.3	901.0	877.5
36.5°	861.9	883.9	920.8	942.3	973.9	961.7	943.3	910.2	878.1	862.1	841.9
37°	824.6	845.8	883.0	905.0	933.4	924.3	904.9	872.0	840.8	824.3	808.0
37.5°	785.9	807.7	845.2	867.8	893.8	887.2	867.0	833.2	804.5	786.7	773.1
38°	748.1	773.1	807.5	830.6	855.1	850.6	831.6	796.3	768.8	751.0	738.9
38.5°	711.4	737.7	772.6	793.8	816.1	813.7	795.8	760.3	733.2	716.0	704.2
39°	676.3	704.1	739.1	758.5	778.7	779.1	762.0	725.2	699.2	681.9	670.9
39.5°	641.3	670.1	704.7	722.9	741.8	742.8	728.3	691.7	665.2	647.1	637.5
40°	607.5	637.7	671.2	688.1	705.8	708.5	695.0	659.6	631.8	613.6	605.0
40.5°	575.4	606.5	638.5	654.0	671.0	672.5	661.8	627.3	598.7	580.9	572.8
41°	544.0	575.1	605.8	621.0	636.3	638.9	629.0	596.3	566.7	549.1	542.1
41.5°	513.2	544.4	572.8	588.6	603.5	605.0	596.6	566.1	535.9	517.9	512.7
42°	484.3	515.9	542.2	557.5	571.1	572.8	564.3	537.0	506.0	487.1	484.2
42.5°	456.3	486.9	511.3	526.4	540.0	540.2	532.3	507.6	477.3	458.1	455.4
43°	428.9	458.6	481.4	494.9	509.3	509.3	501.3	479.5	449.8	430.2	427.6
43.5°	402.0	430.1	452.0	464.5	479.1	478.3	471.1	451.5	422.2	403.2	399.7
44°	377.1	403.2	425.0	434.8	449.6	449.4	442.2	424.6	396.8	377.7	374.1
44.5°	352.6	377.1	397.8	405.9	421.4	420.3	413.7	397.6	371.8	353.1	347.3

TEST NUMBER: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	329.0	352.2	371.9	377.8	394.6	392.8	386.6	372.1	347.9	329.3	322.4
45.5°	306.2	327.6	347.0	350.1	367.4	365.0	360.5	347.1	324.9	306.5	297.9
46°	285.3	304.5	322.3	324.1	341.8	339.2	334.9	323.1	302.1	285.0	276.1
46.5°	264.4	281.6	298.0	298.9	316.3	313.3	310.7	299.3	281.1	266.2	256.6
47°	245.0	261.0	274.8	275.1	293.0	288.9	286.5	276.9	262.4	247.4	237.0
47.5°	225.9	240.0	252.2	252.1	271.6	267.7	265.4	257.0	243.8	228.6	217.5
48°	208.7	221.1	230.8	230.5	250.3	246.5	244.4	237.2	225.1	209.8	198.0
48.5°	191.5	201.9	210.2	210.2	228.9	225.4	223.5	217.3	206.5	191.1	182.1
49°	175.9	184.8	190.6	191.3	207.5	204.2	202.5	197.5	187.9	175.4	167.5
49.5°	160.9	168.3	171.8	173.3	186.2	183.1	181.5	177.9	171.9	160.5	154.2
50°	146.3	152.7	154.4	156.1	167.8	165.6	163.9	161.3	156.7	146.7	141.7
50.5°	132.5	137.2	138.3	140.0	150.3	148.8	147.3	145.5	142.4	133.7	129.8
51°	119.9	123.5	123.6	125.1	134.5	133.6	132.1	130.7	128.5	121.6	118.7
51.5°	107.7	110.4	109.8	111.1	119.4	119.1	118.1	116.9	115.7	110.2	108.3
52°	96.4	98.4	97.3	98.5	105.6	105.7	104.7	104.1	103.3	99.2	98.2
52.5°	86.7	88.4	87.4	88.4	92.7	93.2	92.4	91.9	91.6	88.9	88.4
53°	76.9	78.5	77.6	78.2	81.0	81.8	81.2	80.7	80.6	78.9	78.9
53.5°	67.1	68.5	67.7	68.1	70.2	71.0	70.8	70.3	70.6	69.5	70.0
54°	57.4	58.6	57.8	58.0	60.6	61.5	61.4	60.6	61.1	60.8	61.6
54.5°	49.6	48.7	47.9	48.0	52.3	53.1	53.0	52.2	52.7	52.8	53.7
55°	42.6	41.8	41.1	41.2	45.2	45.9	45.8	45.1	45.3	45.4	46.5
55.5°	36.3	35.3	34.8	34.7	38.6	39.3	39.3	38.5	38.7	39.1	40.0
56°	30.0	29.0	28.4	28.4	32.2	32.7	32.6	34.3	33.9	34.7	33.5
56.5°	24.3	23.4	22.9	23.0	28.5	28.9	28.9	30.1	29.2	30.3	29.4
57°	19.7	19.0	18.6	18.8	24.7	25.2	25.1	25.9	24.5	26.0	25.5
57.5°	16.3	15.7	15.5	15.8	21.0	21.5	21.4	21.7	19.7	21.6	21.5
58°	13.8	13.3	13.2	13.5	17.3	17.8	17.7	17.5	15.0	17.3	17.5
58.5°	11.9	11.5	11.4	11.7	13.5	14.1	13.9	13.3	13.0	12.9	13.5
59°	10.4	10.1	10.0	10.3	11.9	12.4	12.3	11.7	11.3	11.3	11.7
59.5°	9.5	9.2	9.2	9.5	10.6	11.1	10.9	10.4	10.0	9.9	10.3
60°	8.7	8.4	8.4	8.7	9.6	10.0	9.8	9.3	9.0	8.9	9.2
60.5°	7.8	7.6	7.5	7.8	8.7	9.0	8.9	8.4	8.0	8.0	8.2
61°	6.9	6.7	6.7	7.0	7.9	8.2	8.0	7.6	7.3	7.2	7.4
61.5°	6.3	6.1	6.2	6.4	7.2	7.5	7.4	6.9	6.6	6.6	6.8
62°	5.8	5.6	5.6	5.9	6.6	6.9	6.7	6.3	6.1	6.0	6.2
62.5°	5.3	5.2	5.2	5.4	6.1	6.3	6.2	5.8	5.6	5.5	5.7
63°	4.9	4.7	4.8	5.0	5.6	5.8	5.7	5.3	5.1	5.0	5.2
63.5°	4.5	4.4	4.4	4.6	5.2	5.4	5.3	4.9	4.7	4.7	4.8
64°	4.1	4.0	4.1	4.2	4.8	5.0	4.9	4.6	4.4	4.3	4.4
64.5°	3.8	3.7	3.8	3.9	4.4	4.7	4.5	4.2	4.0	4.0	4.1
65°	3.5	3.5	3.5	3.7	4.1	4.3	4.2	3.9	3.8	3.7	3.8
65.5°	3.3	3.2	3.2	3.4	3.8	4.0	3.9	3.7	3.5	3.4	3.5
66°	3.0	3.0	3.0	3.2	3.6	3.7	3.6	3.4	3.2	3.2	3.3
66.5°	2.8	2.8	2.8	2.9	3.3	3.5	3.4	3.1	3.0	3.0	3.1
67°	2.6	2.6	2.6	2.7	3.1	3.3	3.1	2.9	2.8	2.8	2.8

TEST NUMBER: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-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	2.6	2.6
68°	2.2	2.2	2.2	2.4	2.7	2.8	2.7	2.5	2.4	2.4	2.5
68.5°	2.1	2.1	2.1	2.2	2.5	2.6	2.5	2.4	2.2	2.2	2.3
69°	1.9	1.9	1.9	2.0	2.3	2.4	2.4	2.2	2.1	2.1	2.1
69.5°	1.8	1.8	1.8	1.9	2.2	2.3	2.2	2.0	1.9	1.9	2.0
70°	1.7	1.6	1.7	1.8	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	1.8	1.7	1.7	1.7
71°	1.4	1.4	1.4	1.5	1.7	1.8	1.8	1.6	1.6	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	1.4
72.5°	1.1	1.1	1.1	1.2	1.4	1.5	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	1.2
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°	0.9	0.8	0.9	0.9	1.1	1.1	1.1	1.0	1.0	1.0	1.0
74.5°	0.8	0.8	0.8	0.8	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	0.8	0.8	0.8	0.8
75.5°	0.6	0.6	0.6	0.7	0.8	0.9	0.9	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	0.5	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	0.5
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°	0.2	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	0.2	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	0.2	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: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-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: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-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	0.2	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	0.1	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	0.3	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	0.3	0.4
133.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-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	0.4	0.3	0.3	0.4	0.4	0.4	0.4	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	0.5
138.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	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°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.7	0.7
141°	0.5	0.5	0.4	0.4	0.6	0.6	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	0.7	0.7	0.8
143°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	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	0.8	0.8
145°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.9	0.9	0.9
145.5°	0.6	0.5	0.5	0.5	0.9	0.9	0.9	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	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	1.0
147.5°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	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	1.0	1.0
149.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	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°	0.6	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	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
152°	0.7	0.7	0.6	0.6	1.1	1.1	1.1	1.1	1.2	1.2	1.2
152.5°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	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	0.7	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	1.2	1.2	1.2
154.5°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.2	1.3	1.2
155°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	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°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3

TEST NUMBER: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-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	1.4	1.3
158°	0.8	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.4	1.4	1.4
158.5°	0.8	0.7	0.7	0.7	1.3	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	0.7	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	0.8	0.7	1.4	1.4	1.4	1.4	1.5	1.5	1.5
162°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.5	1.5	1.5	1.5
162.5°	0.8	0.8	0.8	0.7	1.4	1.4	1.5	1.5	1.5	1.5	1.5
163°	0.8	0.8	0.8	0.7	1.4	1.4	1.5	1.5	1.5	1.5	1.5
163.5°	0.8	0.8	0.8	0.7	1.4	1.5	1.5	1.5	1.5	1.5	1.5
164°	0.8	0.8	0.8	0.7	1.4	1.5	1.5	1.5	1.5	1.5	1.5
164.5°	0.8	0.8	0.8	0.7	1.4	1.5	1.5	1.5	1.5	1.5	1.5
165°	0.8	0.8	0.8	0.7	1.4	1.5	1.5	1.5	1.5	1.5	1.5
165.5°	0.8	0.8	0.8	0.7	1.4	1.4	1.5	1.5	1.5	1.5	1.5
166°	0.8	0.8	0.8	0.7	1.4	1.4	1.5	1.5	1.5	1.5	1.5
166.5°	0.8	0.8	0.8	0.7	1.4	1.4	1.5	1.5	1.5	1.5	1.5
167°	0.8	0.8	0.8	0.7	1.4	1.4	1.5	1.5	1.5	1.4	1.5
167.5°	0.8	0.8	0.8	0.7	1.4	1.4	1.4	1.4	1.5	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	1.4	1.4	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	1.4	1.4
171°	0.8	0.8	0.8	0.7	1.3	1.3	1.4	1.4	1.4	1.3	1.3
171.5°	0.8	0.8	0.8	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
172°	0.8	0.8	0.8	0.7	1.3	1.3	1.3	1.3	1.3	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	1.2	1.3	1.3	1.3	1.3	1.3	1.3
174°	0.8	0.8	0.8	0.7	1.2	1.2	1.3	1.3	1.3	1.2	1.2
174.5°	0.8	0.8	0.8	0.7	1.2	1.2	1.3	1.2	1.2	1.2	1.2
175°	0.8	0.8	0.8	0.8	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	1.2	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	0.9	1.1	1.1	1.2	1.2	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	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	1.0



TEST NUMBER: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-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: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2747.3	2747.3	2747.3	2747.3	2747.3	2747.3
0.5°	2747.5	2745.6	2746.5	2747.5	2747.3	2747.7
1°	2746.8	2744.8	2745.8	2746.3	2746.0	2746.5
1.5°	2745.6	2743.6	2744.8	2744.6	2744.1	2745.1
2°	2744.1	2742.2	2742.7	2741.7	2741.5	2743.1
2.5°	2741.5	2740.5	2740.5	2738.8	2738.6	2740.7
3°	2739.0	2738.8	2738.1	2734.7	2733.7	2738.1
3.5°	2735.4	2735.9	2734.5	2729.9	2728.2	2733.7
4°	2731.3	2732.3	2730.4	2724.1	2722.2	2728.9
4.5°	2725.8	2728.2	2725.5	2717.8	2715.4	2722.9
5°	2720.0	2723.1	2720.2	2710.6	2707.7	2716.4
5.5°	2714.0	2717.6	2714.2	2703.3	2699.7	2708.9
6°	2707.0	2711.1	2707.7	2695.9	2691.0	2701.2
6.5°	2699.2	2704.1	2700.2	2688.1	2683.1	2692.2
7°	2691.0	2695.1	2692.2	2679.9	2673.9	2682.8
7.5°	2682.1	2685.7	2682.6	2671.7	2665.2	2672.5
8°	2672.0	2674.6	2672.2	2661.6	2655.6	2662.1
8.5°	2661.4	2662.1	2660.2	2651.7	2645.4	2650.0
9°	2648.6	2647.1	2646.6	2639.6	2634.1	2637.2
9.5°	2634.6	2630.7	2631.0	2626.6	2621.6	2623.0
10°	2618.2	2611.2	2612.9	2610.7	2607.8	2608.3
10.5°	2599.4	2589.7	2591.9	2593.8	2592.4	2591.9
11°	2578.4	2565.3	2568.7	2573.5	2574.7	2573.5
11.5°	2553.5	2538.1	2542.4	2550.6	2554.7	2553.5
12°	2527.2	2508.9	2514.4	2524.6	2531.3	2531.1
12.5°	2499.0	2479.9	2485.2	2497.8	2506.2	2507.9
13°	2470.3	2449.3	2454.8	2469.1	2480.9	2483.6
13.5°	2440.6	2419.6	2424.4	2439.6	2453.9	2458.2
14°	2410.4	2387.9	2393.6	2409.6	2425.4	2431.9
14.5°	2379.3	2356.9	2362.6	2379.8	2396.7	2405.5
15°	2348.5	2324.8	2330.9	2348.5	2367.5	2378.1
15.5°	2318.3	2294.3	2300.3	2319.3	2337.5	2349.9
16°	2288.4	2264.1	2270.7	2288.8	2307.7	2322.2
16.5°	2258.2	2235.2	2241.1	2259.6	2279.5	2294.3
17°	2229.2	2205.1	2211.1	2230.6	2250.0	2265.8
17.5°	2200.5	2175.5	2182.7	2201.1	2221.4	2236.7
18°	2171.8	2145.9	2153.1	2172.0	2191.6	2207.5
18.5°	2142.3	2116.6	2123.8	2143.5	2162.6	2178.7
19°	2114.5	2087.6	2095.8	2114.7	2133.1	2149.9
19.5°	2087.4	2057.9	2067.3	2086.5	2104.6	2121.4
20°	2060.3	2030.2	2039.9	2058.2	2075.3	2092.4
20.5°	2033.2	2001.2	2011.5	2030.8	2046.8	2063.7
21°	2006.0	1973.7	1983.5	2001.9	2017.8	2034.8
21.5°	1978.9	1945.0	1955.6	1973.6	1988.5	2006.1
22°	1951.1	1917.0	1927.6	1944.8	1960.0	1975.9

TEST NUMBER: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1922.3	1887.8	1898.1	1916.0	1929.4	1945.6
23°	1890.8	1856.7	1866.4	1884.9	1897.2	1912.7
23.5°	1856.8	1823.0	1833.3	1851.9	1864.8	1880.0
24°	1822.3	1786.7	1798.1	1816.5	1829.7	1845.3
24.5°	1786.5	1747.0	1761.5	1778.7	1792.7	1810.2
25°	1749.0	1709.4	1723.2	1739.6	1753.9	1773.6
25.5°	1709.7	1671.0	1684.4	1698.8	1715.2	1737.6
26°	1670.4	1633.0	1645.1	1657.0	1675.3	1701.0
26.5°	1629.5	1593.3	1605.1	1614.9	1634.4	1665.5
27°	1587.5	1555.9	1564.7	1572.2	1591.6	1627.2
27.5°	1544.9	1517.4	1522.8	1529.4	1549.9	1589.5
28°	1501.3	1477.8	1481.1	1487.4	1510.3	1550.3
28.5°	1458.3	1438.0	1440.0	1445.6	1470.6	1511.1
29°	1416.6	1397.6	1399.0	1405.0	1431.7	1469.9
29.5°	1375.6	1355.8	1357.8	1364.9	1393.3	1429.5
30°	1334.6	1313.5	1315.4	1325.5	1355.7	1386.6
30.5°	1293.5	1269.7	1273.3	1285.9	1316.8	1345.3
31°	1253.6	1227.9	1231.4	1246.1	1278.2	1303.8
31.5°	1213.5	1184.9	1190.0	1206.5	1238.8	1262.9
32°	1174.2	1143.2	1149.2	1166.6	1198.1	1221.4
32.5°	1135.1	1102.2	1108.9	1126.8	1157.6	1181.5
33°	1095.8	1061.9	1069.7	1086.9	1116.7	1141.3
33.5°	1056.1	1020.8	1031.4	1046.0	1075.3	1101.0
34°	1017.2	975.5	995.2	1007.2	1033.8	1061.2
34.5°	978.4	939.2	957.6	970.3	994.0	1020.9
35°	940.9	902.9	919.9	933.3	956.2	973.8
35.5°	903.1	866.6	882.3	896.4	918.5	936.5
36°	867.1	830.3	844.6	859.4	880.8	899.2
36.5°	830.7	795.1	807.0	822.5	843.1	861.9
37°	794.9	760.4	771.2	787.7	805.4	824.6
37.5°	759.7	726.6	736.0	753.3	770.3	785.9
38°	725.4	694.4	701.2	720.1	735.7	748.1
38.5°	692.1	662.6	667.5	686.3	700.6	711.4
39°	659.5	631.9	636.8	653.6	667.0	676.3
39.5°	627.3	600.7	605.7	620.4	633.0	641.3
40°	595.2	570.3	575.2	588.4	599.2	607.5
40.5°	564.9	541.5	545.8	556.5	565.5	575.4
41°	535.1	513.6	517.7	525.7	533.9	544.0
41.5°	506.3	486.6	490.1	496.0	502.1	513.2
42°	478.2	460.6	463.1	467.3	472.3	484.3
42.5°	450.5	435.6	437.1	438.2	442.9	456.3
43°	424.2	411.5	411.7	412.1	415.5	428.9
43.5°	398.8	387.8	387.3	385.0	388.5	402.0
44°	374.6	365.0	363.9	359.5	362.8	377.1
44.5°	351.1	342.8	341.5	334.3	337.6	352.6

TEST NUMBER: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	328.4	321.6	319.6	310.8	313.5	329.0
45.5°	306.8	301.1	299.0	287.9	291.0	306.2
46°	286.0	281.7	279.2	266.3	269.4	285.3
46.5°	266.4	262.6	260.1	245.7	248.5	264.4
47°	248.5	244.4	241.7	226.9	228.9	245.0
47.5°	230.6	226.8	224.0	209.3	210.9	225.9
48°	212.7	210.0	207.3	192.8	194.2	208.7
48.5°	194.8	194.3	191.4	177.7	178.7	191.5
49°	179.1	179.0	176.2	163.8	163.7	175.9
49.5°	164.1	164.4	161.7	151.0	150.8	160.9
50°	150.5	150.4	147.7	138.7	138.2	146.3
50.5°	137.3	137.0	134.7	127.2	126.6	132.5
51°	125.0	124.4	122.5	116.3	115.3	119.9
51.5°	113.4	112.2	110.9	106.0	105.0	107.7
52°	102.4	101.0	99.8	95.8	95.9	96.4
52.5°	91.8	91.4	90.5	86.9	86.7	86.7
53°	81.8	81.8	81.3	78.0	77.4	76.9
53.5°	72.6	72.3	72.0	69.1	68.2	67.1
54°	63.7	62.7	62.7	60.2	58.9	57.4
54.5°	55.3	53.2	53.5	52.5	51.1	49.6
55°	48.0	46.0	46.3	45.6	44.0	42.6
55.5°	41.5	39.6	40.0	39.2	38.0	36.3
56°	35.1	33.2	33.6	33.0	31.8	30.0
56.5°	30.9	27.2	27.9	27.1	25.9	24.3
57°	26.7	22.4	22.8	22.2	21.0	19.7
57.5°	22.6	18.7	19.1	18.5	17.4	16.3
58°	18.4	15.9	16.3	15.8	14.8	13.8
58.5°	14.3	13.8	14.2	13.7	12.8	11.9
59°	12.4	12.1	12.5	12.0	11.1	10.4
59.5°	10.9	10.7	11.1	10.7	9.9	9.5
60°	9.8	10.0	9.9	9.9	9.1	8.7
60.5°	8.8	9.2	9.2	9.1	8.3	7.8
61°	7.9	8.4	8.5	8.3	7.5	6.9
61.5°	7.2	7.6	7.8	7.5	6.8	6.3
62°	6.6	6.8	7.1	6.8	6.2	5.8
62.5°	6.1	6.3	6.5	6.2	5.7	5.3
63°	5.6	5.8	6.0	5.7	5.2	4.9
63.5°	5.1	5.3	5.6	5.3	4.8	4.5
64°	4.8	4.9	5.1	4.9	4.4	4.1
64.5°	4.4	4.6	4.8	4.5	4.1	3.8
65°	4.1	4.3	4.4	4.2	3.8	3.5
65.5°	3.8	4.0	4.1	3.9	3.5	3.3
66°	3.5	3.7	3.8	3.6	3.3	3.0
66.5°	3.3	3.4	3.6	3.4	3.0	2.8
67°	3.0	3.2	3.3	3.1	2.8	2.6

TEST NUMBER: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	2.8	3.0	3.1	2.9	2.6	2.4
68°	2.6	2.8	2.9	2.7	2.4	2.2
68.5°	2.4	2.6	2.7	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	2.2	1.9	1.8
70°	2.0	2.1	2.1	2.0	1.8	1.7
70.5°	1.8	1.9	2.0	1.9	1.7	1.5
71°	1.7	1.8	1.9	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°	1.4	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	1.0	0.9
74°	1.1	1.1	1.2	1.1	0.9	0.9
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°	0.8	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	0.4	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	0.3	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: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-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: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-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	0.3	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: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-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°	0.5	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°	0.6	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	0.4	0.4	0.4	0.4	0.4
140°	0.6	0.5	0.5	0.4	0.4	0.4
140.5°	0.7	0.5	0.5	0.5	0.5	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°	0.8	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°	0.8	0.5	0.5	0.5	0.5	0.5
145°	0.9	0.6	0.6	0.6	0.5	0.5
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°	0.9	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°	1.0	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	0.7	0.6	0.6
151°	1.1	0.6	0.7	0.7	0.7	0.7
151.5°	1.1	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°	1.2	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	0.7	0.7	0.7

TEST NUMBER: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-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°	1.4	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	0.7	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	0.8	0.8	0.8	0.8
161°	1.4	0.7	0.8	0.8	0.8	0.8
161.5°	1.4	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	0.7	0.8	0.8	0.8	0.8
163°	1.5	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°	1.5	0.7	0.8	0.8	0.8	0.8
166.5°	1.5	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°	1.4	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°	1.3	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°	1.2	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	1.0	1.0	1.0	1.0	0.9
179°	1.1	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: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-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: P1590452

CATALOG NUMBER: HCDLS1525CSD4TRC-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	6.8	7.8	7.1	8.1	8.4
	3H	5.7	6.6	6.1	6.9	7.3	6.7	7.6	7.1	7.9	8.3
	4H	5.6	6.5	6.0	6.8	7.2	6.6	7.5	7.0	7.8	8.2
	6H	5.5	6.3	5.9	6.7	7.1	6.5	7.3	6.9	7.7	8.1
	8H	5.5	6.2	5.9	6.6	7.0	6.5	7.2	6.9	7.6	8.0
	12H	5.4	6.1	5.8	6.5	6.9	6.4	7.1	6.9	7.5	7.9
4H	2H	5.6	6.4	6.0	6.8	7.2	6.6	7.4	7.0	7.8	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	6.5	6.9	6.4	7.0	6.9	7.5	7.9
	6H	5.3	5.9	5.8	6.3	6.8	6.3	6.9	6.8	7.3	7.8
	8H	5.3	5.8	5.8	6.2	6.7	6.3	6.8	6.7	7.2	7.7
	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	5.8	5.8	6.2	6.7	6.3	6.7	6.7	7.2	7.7
	6H	5.2	5.6	5.7	6.1	6.6	6.2	6.5	6.7	7.0	7.5
	8H	5.1	5.4	5.6	6.0	6.5	6.1	6.4	6.6	7.0	7.5
	12H	5.0	5.3	5.6	5.8	6.4	6.0	6.3	6.6	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	5.5	5.6	5.9	6.5	6.1	6.4	6.6	6.9	7.5
	8H	5.0	5.3	5.6	5.8	6.4	6.0	6.3	6.6	6.8	7.4

(END OF REPORT)