

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: P1590465

Luminaire Tested: HCDLS1525CSD4TRC-ME-4000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590465
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-ME-4000K
Description: 4" Selectable Round Trim + Specular Clear 2000 Lumens 4000K

Light Source:
Ballast/Driver: -

Summary

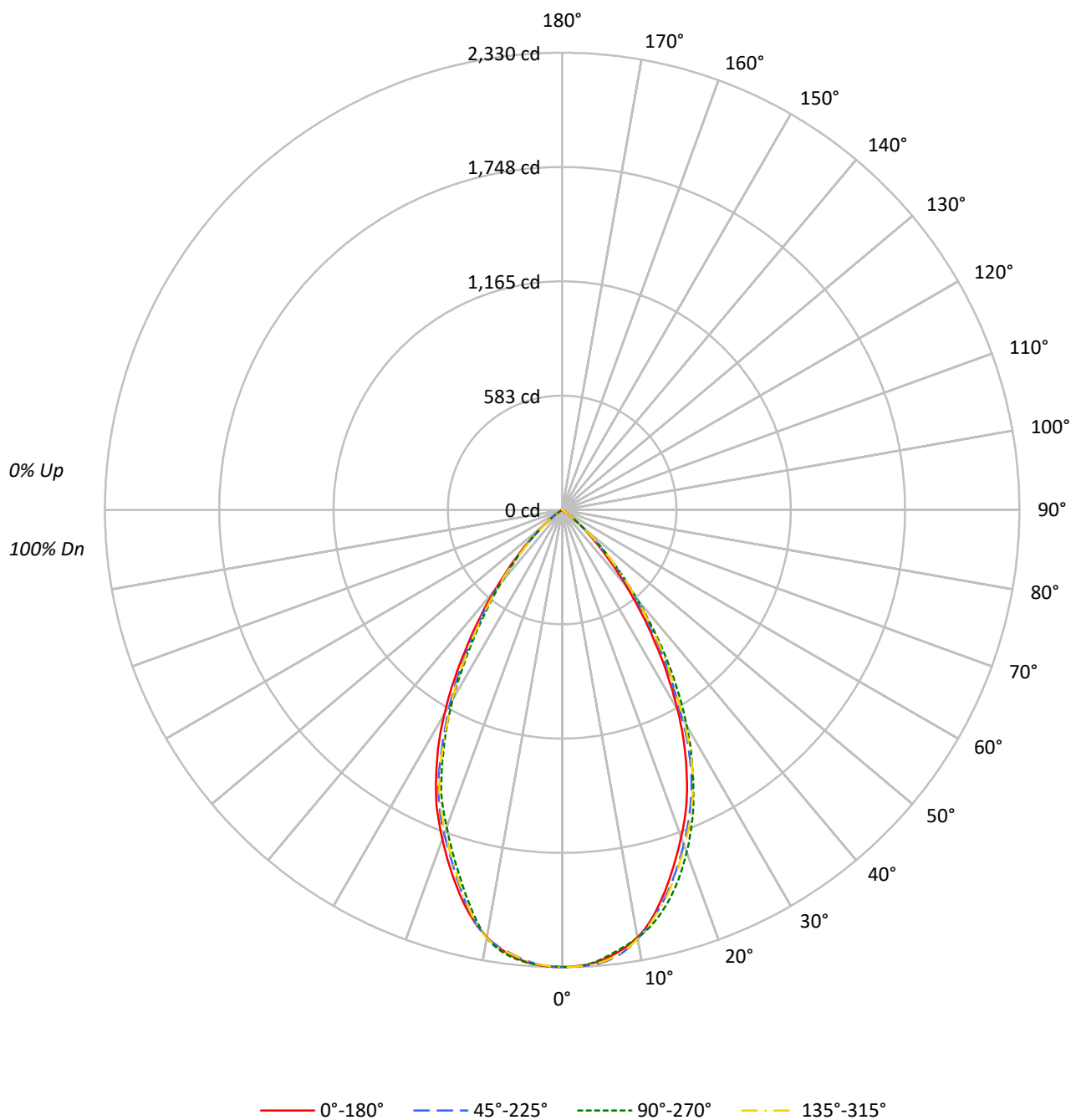
Lumens per Lamp: N/A
Luminaire Lumens: 2277.5 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 20.9
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	100
1	113	110	108	106	111	108	106	104	104	102	101	100	99	98	97	96	95	93	93	93
2	107	102	98	95	105	101	97	94	97	94	91	94	92	90	92	89	88	86	86	86
3	102	95	90	86	100	94	89	85	91	87	84	88	85	82	86	83	81	79	79	79
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73	73	73
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68	68	68
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	67	63	60	58	58	58
8	77	67	61	57	76	67	61	57	66	60	56	65	60	56	64	59	56	55	55	55
9	73	63	57	53	72	63	57	53	62	56	53	61	56	53	60	56	52	51	51	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48	48	48

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	287272	287272	287272	287272
5°	285125	284519	285447	285831
10°	276949	277300	276887	277250
15°	257437	264677	258331	251678
20°	232832	243530	234328	225914
25°	204622	215373	207085	197218
30°	167423	180868	171041	158593
35°	124317	139946	126952	115252
40°	82923	96336	86240	77835
45°	48650	58349	51459	47552
50°	23795	27306	25483	24466
55°	7763	8236	8258	8387
60°	1801	1998	1875	2072
65°	876	1022	934	1051
70°	505	613	541	613
75°	286	381	334	381
80°	142	213	142	213
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 58349 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.2	9.5
10°-20°	564.0	24.8
20°-30°	689.0	30.3
30°-40°	524.9	23.0
40°-50°	234.1	10.3
50°-60°	42.4	1.9
60°-70°	3.7	0.2
70°-80°	0.8	0.0
80°-90°	0.0	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°	0.2	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°	1470.2	64.6
0°-40°	1995.1	87.6
0°-60°	2271.6	99.7
0°-90°	2276.1	99.9
90°-120°	0.0	0.0
90°-150°	0.7	0.0
90°-180°	1.0	0.0
0°-180°	2277.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2329	2329	2329	2329	2329	
5°	2303	2298	2305	2308	2303	217
15°	2016	2073	2023	1971	2016	563
25°	1504	1582	1522	1449	1504	683
35°	826	929	843	765	826	516
45°	279	334	295	273	279	222
55°	36	38	38	39	36	40
65°	3	4	3	4	3	3
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°	2329.0	2329.0	2329.0	2329.0	2329.0	2329.0	2329.0	2329.0	2329.0	2329.0	2329.0
0.5°	2329.4	2328.6	2328.8	2329.4	2328.6	2328.8	2329.8	2329.4	2329.4	2328.6	2328.6
1°	2328.4	2328.4	2328.8	2329.4	2328.6	2328.8	2329.2	2329.2	2328.6	2327.7	2327.7
1.5°	2327.1	2327.5	2328.4	2328.6	2327.7	2328.4	2328.6	2328.4	2327.7	2326.5	2326.5
2°	2325.5	2326.3	2327.7	2327.5	2326.3	2326.9	2327.7	2327.5	2326.1	2324.3	2324.7
2.5°	2323.4	2325.5	2326.7	2325.7	2324.3	2324.9	2326.9	2326.3	2324.1	2321.8	2322.2
3°	2321.2	2324.3	2325.3	2323.2	2321.2	2322.4	2324.9	2324.9	2321.8	2318.3	2318.7
3.5°	2317.5	2322.8	2323.6	2320.2	2317.1	2319.1	2322.6	2322.8	2319.1	2314.0	2314.4
4°	2313.4	2320.8	2322.0	2316.1	2311.6	2314.6	2320.4	2320.8	2315.3	2308.7	2309.3
4.5°	2308.3	2317.9	2319.4	2311.0	2305.0	2309.1	2316.9	2317.9	2311.0	2302.6	2303.6
5°	2302.8	2314.4	2315.3	2304.6	2297.9	2302.4	2312.6	2314.6	2305.4	2295.8	2297.3
5.5°	2296.4	2309.7	2310.8	2298.1	2290.1	2295.4	2307.5	2310.1	2299.7	2288.5	2290.7
6°	2289.9	2304.0	2305.2	2290.5	2281.9	2287.7	2301.8	2304.8	2292.8	2280.9	2283.6
6.5°	2282.3	2297.5	2298.9	2282.9	2273.5	2279.7	2295.0	2298.5	2285.0	2273.1	2276.4
7°	2274.4	2289.5	2290.9	2274.8	2265.4	2271.5	2287.2	2290.9	2276.6	2264.7	2269.0
7.5°	2265.6	2280.5	2281.9	2266.0	2257.2	2262.7	2278.7	2282.1	2268.2	2256.4	2261.1
8°	2256.8	2270.7	2271.7	2256.4	2248.8	2253.7	2268.8	2271.7	2258.2	2247.8	2252.9
8.5°	2246.5	2259.4	2260.4	2246.3	2240.4	2244.9	2257.8	2260.9	2247.6	2238.2	2243.9
9°	2235.7	2246.9	2247.8	2235.9	2231.8	2234.9	2245.5	2248.2	2236.3	2228.3	2234.1
9.5°	2223.6	2233.2	2234.3	2224.7	2223.2	2224.5	2232.6	2234.3	2224.5	2217.5	2223.4
10°	2211.2	2218.7	2219.5	2212.6	2214.0	2213.2	2218.5	2219.5	2210.7	2206.0	2211.4
10.5°	2197.2	2203.0	2203.8	2199.7	2204.0	2201.7	2203.8	2203.4	2196.2	2192.3	2197.0
11°	2181.7	2186.4	2187.2	2186.0	2193.0	2189.1	2188.0	2187.2	2181.1	2178.0	2181.3
11.5°	2164.7	2168.4	2170.5	2171.7	2181.1	2176.0	2171.9	2170.0	2164.7	2162.1	2163.7
12°	2145.7	2149.8	2152.9	2155.7	2168.6	2161.9	2155.5	2152.3	2147.3	2143.5	2143.3
12.5°	2126.1	2130.6	2134.1	2140.4	2154.3	2146.3	2138.3	2133.8	2127.7	2123.4	2120.3
13°	2105.4	2111.1	2115.6	2123.6	2140.0	2131.0	2120.6	2114.2	2109.1	2102.6	2098.1
13.5°	2083.9	2090.5	2096.6	2106.8	2124.2	2115.2	2102.3	2095.2	2088.4	2080.5	2074.5
14°	2061.6	2069.4	2077.4	2088.6	2107.5	2097.8	2083.7	2074.7	2067.6	2057.8	2050.0
14.5°	2039.2	2048.1	2057.8	2070.6	2090.3	2080.3	2064.1	2054.5	2045.1	2034.2	2025.3
15°	2016.0	2026.5	2037.2	2051.6	2072.7	2061.4	2045.3	2033.7	2023.0	2010.4	1999.7
15.5°	1992.1	2004.2	2016.6	2031.8	2054.3	2042.4	2024.6	2012.3	2000.4	1986.4	1974.1
16°	1968.6	1981.4	1995.2	2010.6	2034.6	2022.4	2003.9	1990.0	1977.1	1961.3	1949.0
16.5°	1945.0	1959.0	1973.6	1990.1	2014.6	2001.8	1982.0	1967.6	1953.6	1936.7	1924.1
17°	1920.8	1936.2	1951.5	1968.7	1993.8	1980.5	1960.0	1944.7	1929.6	1912.1	1899.1
17.5°	1896.1	1912.9	1928.5	1946.7	1972.5	1958.8	1938.0	1920.9	1905.5	1887.6	1874.3
18°	1871.4	1889.0	1905.4	1923.6	1949.6	1936.8	1914.8	1897.6	1881.8	1863.2	1849.7
18.5°	1847.0	1864.8	1882.3	1900.6	1927.0	1913.7	1891.8	1874.5	1857.6	1838.6	1825.6
19°	1822.6	1840.7	1859.5	1877.4	1903.2	1890.5	1869.0	1850.9	1832.7	1814.8	1801.3
19.5°	1798.4	1816.8	1836.2	1853.9	1880.0	1867.1	1846.1	1826.6	1808.8	1791.1	1779.7
20°	1773.8	1792.4	1812.7	1830.1	1855.3	1843.8	1823.1	1803.6	1785.2	1767.4	1756.4
20.5°	1749.5	1768.8	1789.0	1806.2	1831.2	1819.9	1799.4	1780.9	1760.6	1743.6	1733.2
21°	1725.0	1744.0	1764.9	1781.6	1806.4	1795.1	1775.9	1757.2	1735.9	1719.9	1709.9
21.5°	1700.7	1719.7	1741.2	1756.7	1780.0	1769.4	1752.4	1733.5	1711.2	1696.1	1686.6
22°	1675.1	1694.4	1716.2	1730.5	1753.6	1743.7	1728.9	1709.8	1686.5	1672.4	1661.0

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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°	1649.4	1670.0	1691.3	1705.4	1727.1	1718.0	1705.4	1686.1	1663.8	1646.1	1635.7
23°	1621.5	1643.5	1666.1	1677.3	1700.7	1692.2	1681.9	1659.8	1636.9	1618.1	1609.2
23.5°	1593.7	1617.3	1640.5	1651.0	1674.2	1666.5	1655.2	1634.0	1609.1	1590.0	1581.1
24°	1564.4	1590.1	1613.5	1621.7	1643.4	1637.7	1629.2	1607.4	1580.3	1561.3	1550.7
24.5°	1534.6	1561.7	1587.3	1593.6	1613.6	1609.0	1602.3	1579.8	1551.1	1530.7	1519.0
25°	1503.5	1532.4	1559.4	1563.0	1582.5	1579.3	1574.6	1551.9	1521.6	1499.5	1486.2
25.5°	1473.0	1503.2	1531.1	1534.1	1552.2	1549.5	1545.9	1523.4	1491.6	1467.5	1451.8
26°	1442.0	1472.6	1501.5	1503.3	1521.7	1519.1	1516.9	1493.9	1461.5	1435.4	1415.7
26.5°	1411.9	1441.8	1471.2	1472.4	1490.8	1488.3	1486.3	1462.8	1430.2	1402.4	1379.5
27°	1379.4	1410.3	1438.3	1441.3	1459.7	1456.9	1454.6	1431.5	1399.4	1368.9	1343.9
27.5°	1347.5	1378.7	1404.3	1409.5	1429.6	1426.2	1422.2	1399.4	1368.4	1334.3	1309.4
28°	1314.3	1346.5	1369.0	1377.4	1398.7	1395.0	1387.2	1366.3	1336.1	1300.5	1275.1
28.5°	1281.0	1311.8	1332.3	1344.1	1367.5	1362.5	1352.4	1332.3	1303.4	1265.9	1240.6
29°	1246.1	1278.5	1295.2	1311.0	1336.0	1330.8	1316.1	1297.1	1269.9	1232.1	1208.0
29.5°	1211.9	1243.8	1256.7	1277.7	1303.8	1297.8	1279.1	1260.8	1235.6	1198.7	1175.1
30°	1175.5	1207.7	1219.2	1243.0	1269.9	1264.3	1240.4	1223.3	1200.9	1165.2	1142.1
30.5°	1140.4	1170.0	1182.2	1207.0	1236.2	1229.3	1202.6	1185.4	1164.9	1131.3	1108.7
31°	1105.3	1133.6	1146.2	1171.3	1202.1	1194.8	1166.0	1147.5	1129.7	1098.5	1074.7
31.5°	1070.6	1095.2	1111.1	1135.3	1168.1	1159.5	1130.3	1109.5	1093.2	1065.5	1040.6
32°	1035.4	1058.1	1077.1	1098.9	1133.7	1123.6	1095.9	1073.0	1058.7	1032.9	1006.1
32.5°	1001.6	1020.2	1043.2	1063.1	1100.4	1088.1	1061.6	1037.4	1021.3	999.5	971.8
33°	967.6	985.4	1010.7	1027.5	1066.9	1051.8	1029.3	1002.4	984.9	967.1	937.0
33.5°	933.4	948.4	977.5	991.8	1033.0	1016.1	996.3	968.4	948.4	933.3	902.0
34°	899.7	914.9	944.8	958.2	998.4	981.3	963.9	935.1	913.4	899.8	869.2
34.5°	865.4	879.9	910.8	924.8	963.8	947.1	931.3	902.3	877.3	865.8	835.6
35°	825.6	846.3	877.2	892.3	929.4	913.5	898.6	870.4	843.1	831.0	804.3
35.5°	793.9	814.0	844.7	860.7	895.0	880.5	865.4	837.4	809.6	797.0	773.8
36°	762.3	781.7	812.7	830.3	859.9	848.1	832.5	804.3	777.6	763.8	743.9
36.5°	730.7	749.4	780.6	798.8	825.6	815.3	799.7	771.6	744.4	730.9	713.7
37°	699.0	717.0	748.6	767.2	791.3	783.5	767.1	739.2	712.8	698.8	684.9
37.5°	666.3	684.7	716.5	735.7	757.7	752.1	735.0	706.3	682.0	666.9	655.4
38°	634.2	655.4	684.5	704.2	724.9	721.1	704.9	675.0	651.7	636.7	626.4
38.5°	603.1	625.3	655.0	673.0	691.8	689.8	674.6	644.6	621.6	607.0	597.0
39°	573.3	596.9	626.6	643.0	660.1	660.5	645.9	614.8	592.7	578.1	568.8
39.5°	543.7	568.0	597.4	612.9	628.9	629.7	617.4	586.4	563.9	548.6	540.5
40°	515.0	540.6	569.0	583.3	598.3	600.7	589.2	559.2	535.6	520.2	512.9
40.5°	487.8	514.2	541.3	554.4	568.8	570.1	561.0	531.8	507.6	492.4	485.6
41°	461.2	487.5	513.6	526.4	539.4	541.6	533.3	505.5	480.4	465.5	459.6
41.5°	435.0	461.5	485.6	498.9	511.6	512.9	505.8	479.9	454.3	439.0	434.6
42°	410.6	437.4	459.7	472.6	484.2	485.6	478.4	455.3	429.0	413.0	410.5
42.5°	386.8	412.8	433.5	446.2	457.8	458.0	451.2	430.3	404.6	388.4	386.0
43°	363.6	388.8	408.1	419.5	431.8	431.8	425.0	406.5	381.3	364.7	362.5
43.5°	340.8	364.6	383.2	393.8	406.1	405.5	399.4	382.7	357.9	341.8	338.8
44°	319.7	341.8	360.3	368.6	381.2	381.0	374.9	359.9	336.3	320.2	317.1
44.5°	298.9	319.7	337.2	344.1	357.3	356.3	350.7	337.1	315.2	299.3	294.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	278.9	298.6	315.3	320.3	334.5	333.0	327.8	315.4	295.0	279.1	273.3
45.5°	259.6	277.7	294.1	296.8	311.5	309.4	305.6	294.3	275.4	259.9	252.6
46°	241.9	258.2	273.2	274.8	289.7	287.5	283.9	273.9	256.1	241.6	234.1
46.5°	224.1	238.7	252.7	253.4	268.2	265.6	263.4	253.7	238.3	225.7	217.5
47°	207.7	221.3	233.0	233.2	248.4	244.9	242.9	234.7	222.4	209.7	200.9
47.5°	191.5	203.5	213.8	213.7	230.3	227.0	225.0	217.9	206.7	193.8	184.4
48°	176.9	187.4	195.7	195.4	212.2	209.0	207.2	201.1	190.9	177.9	167.9
48.5°	162.4	171.2	178.2	178.2	194.0	191.1	189.5	184.3	175.1	162.0	154.4
49°	149.1	156.7	161.5	162.2	175.9	173.1	171.7	167.4	159.3	148.7	142.0
49.5°	136.4	142.7	145.6	146.9	157.9	155.2	153.9	150.8	145.7	136.0	130.7
50°	124.0	129.4	130.9	132.4	142.3	140.4	139.0	136.7	132.8	124.4	120.1
50.5°	112.3	116.3	117.2	118.7	127.4	126.2	124.9	123.3	120.7	113.3	110.0
51°	101.7	104.7	104.8	106.0	114.0	113.3	112.0	110.8	108.9	103.0	100.6
51.5°	91.3	93.6	93.1	94.2	101.2	101.0	100.1	99.1	98.1	93.4	91.8
52°	81.7	83.4	82.5	83.5	89.5	89.6	88.8	88.2	87.5	84.1	83.3
52.5°	73.5	75.0	74.1	74.9	78.6	79.0	78.4	77.9	77.7	75.3	74.9
53°	65.2	66.5	65.7	66.3	68.7	69.3	68.8	68.4	68.3	66.9	66.9
53.5°	56.9	58.1	57.4	57.8	59.5	60.2	60.0	59.6	59.9	58.9	59.4
54°	48.7	49.7	49.0	49.2	51.4	52.1	52.1	51.4	51.8	51.5	52.2
54.5°	42.1	41.3	40.6	40.7	44.3	45.0	45.0	44.2	44.7	44.7	45.5
55°	36.1	35.4	34.9	35.0	38.3	38.9	38.8	38.2	38.4	38.5	39.4
55.5°	30.8	30.0	29.5	29.4	32.7	33.3	33.3	32.7	32.8	33.1	33.9
56°	25.4	24.6	24.1	24.0	27.3	27.7	27.7	29.1	28.8	29.4	28.4
56.5°	20.6	19.9	19.5	19.5	24.2	24.5	24.5	25.5	24.8	25.7	25.0
57°	16.7	16.1	15.7	16.0	21.0	21.3	21.3	22.0	20.7	22.0	21.6
57.5°	13.8	13.3	13.1	13.4	17.8	18.2	18.1	18.4	16.7	18.3	18.2
58°	11.7	11.3	11.2	11.5	14.6	15.1	15.0	14.9	12.7	14.6	14.8
58.5°	10.1	9.8	9.7	9.9	11.5	12.0	11.8	11.3	11.0	10.9	11.5
59°	8.8	8.5	8.5	8.7	10.1	10.5	10.4	9.9	9.6	9.6	9.9
59.5°	8.1	7.8	7.8	8.0	9.0	9.4	9.3	8.8	8.5	8.4	8.7
60°	7.3	7.1	7.1	7.3	8.1	8.5	8.3	7.9	7.6	7.5	7.8
60.5°	6.6	6.4	6.4	6.6	7.3	7.7	7.5	7.1	6.8	6.7	7.0
61°	5.9	5.7	5.7	5.9	6.7	6.9	6.8	6.4	6.2	6.1	6.3
61.5°	5.4	5.2	5.2	5.4	6.1	6.4	6.2	5.9	5.6	5.6	5.7
62°	4.9	4.8	4.8	5.0	5.6	5.8	5.7	5.4	5.1	5.1	5.2
62.5°	4.5	4.4	4.4	4.6	5.1	5.4	5.3	4.9	4.7	4.7	4.8
63°	4.1	4.0	4.0	4.2	4.7	4.9	4.8	4.5	4.3	4.3	4.4
63.5°	3.8	3.7	3.7	3.9	4.4	4.6	4.5	4.2	4.0	4.0	4.1
64°	3.5	3.4	3.4	3.6	4.1	4.3	4.1	3.9	3.7	3.7	3.8
64.5°	3.2	3.2	3.2	3.3	3.8	4.0	3.8	3.6	3.4	3.4	3.5
65°	3.0	2.9	3.0	3.1	3.5	3.7	3.6	3.3	3.2	3.1	3.2
65.5°	2.8	2.7	2.7	2.9	3.3	3.4	3.3	3.1	3.0	2.9	3.0
66°	2.6	2.5	2.5	2.7	3.0	3.2	3.1	2.9	2.7	2.7	2.8
66.5°	2.4	2.3	2.4	2.5	2.8	3.0	2.9	2.7	2.5	2.5	2.6
67°	2.2	2.2	2.2	2.3	2.6	2.8	2.7	2.5	2.4	2.3	2.4

TEST NUMBER: P1590465

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	2.1	2.0	2.0	2.2	2.4	2.6	2.5	2.3	2.2	2.2	2.2
68°	1.9	1.9	1.9	2.0	2.3	2.4	2.3	2.1	2.1	2.0	2.1
68.5°	1.8	1.7	1.8	1.9	2.1	2.2	2.2	2.0	1.9	1.9	1.9
69°	1.6	1.6	1.6	1.7	2.0	2.1	2.0	1.9	1.8	1.8	1.8
69.5°	1.5	1.5	1.5	1.6	1.8	1.9	1.9	1.7	1.6	1.6	1.7
70°	1.4	1.4	1.4	1.5	1.7	1.8	1.7	1.6	1.5	1.5	1.6
70.5°	1.3	1.3	1.3	1.4	1.6	1.7	1.6	1.5	1.4	1.4	1.5
71°	1.2	1.2	1.2	1.3	1.5	1.6	1.5	1.4	1.3	1.3	1.3
71.5°	1.1	1.1	1.1	1.2	1.4	1.4	1.4	1.3	1.2	1.2	1.2
72°	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.2	1.1	1.1	1.2
72.5°	0.9	0.9	0.9	1.0	1.2	1.2	1.2	1.1	1.0	1.0	1.1
73°	0.9	0.8	0.9	0.9	1.1	1.1	1.1	1.0	1.0	0.9	1.0
73.5°	0.8	0.8	0.8	0.9	1.0	1.1	1.0	0.9	0.9	0.9	0.9
74°	0.7	0.7	0.7	0.8	0.9	1.0	0.9	0.9	0.8	0.8	0.8
74.5°	0.7	0.6	0.7	0.7	0.8	0.9	0.9	0.8	0.7	0.7	0.8
75°	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7
75.5°	0.5	0.5	0.5	0.6	0.7	0.8	0.7	0.7	0.6	0.6	0.6
76°	0.5	0.5	0.5	0.5	0.6	0.7	0.7	0.6	0.6	0.6	0.6
76.5°	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
77°	0.4	0.4	0.4	0.4	0.5	0.6	0.5	0.5	0.5	0.5	0.5
77.5°	0.4	0.3	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4
78°	0.3	0.3	0.3	0.3	0.4	0.5	0.4	0.4	0.4	0.4	0.4
78.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3
79°	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3
79.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.3
80°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2
80.5°	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
81°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	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	0.1	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	0.0	0.0	0.1
83.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.0	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: P1590465

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-4000K

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: P1590465

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-4000K

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	0.0	0.0	0.0	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	0.0	0.0
123.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
128°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	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	0.2	0.2
131°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
131.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
132°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
132.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
133°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
133.5°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
134°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
134.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

TEST NUMBER: P1590465

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-4000K

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	0.3	0.3	0.3	0.3	0.4	0.4	0.4
135.5°	0.3	0.3	0.3	0.3	0.3	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	0.4	0.4	0.4
137°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
137.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
138°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5
138.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
139°	0.4	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
139.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
140°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
140.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6
141°	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6
141.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
142°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
142.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
143°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.7	0.7
143.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.7	0.7	0.7	0.7	0.7
144°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
144.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145°	0.5	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145.5°	0.5	0.5	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.8
146°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.8	0.8	0.8
146.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
148°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
148.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.9	0.9	0.9
149°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
149.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
151°	0.6	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	1.0	1.0
151.5°	0.6	0.5	0.5	0.5	0.9	0.9	0.9	1.0	1.0	1.0	1.0
152°	0.6	0.6	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	0.6	0.6	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
153°	0.6	0.6	0.5	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
153.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
154°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.1	1.0
154.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.1	1.1	1.1
155°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
155.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
156°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
156.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
157°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TEST NUMBER: P1590465

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
158°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.2	1.2
158.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.2	1.2	1.2	1.2
159°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
159.5°	0.7	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
160°	0.7	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
160.5°	0.7	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
161°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
161.5°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
162°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
162.5°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
163°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.3	1.3	1.2
163.5°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.3	1.3	1.3
164°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.3	1.3	1.3
164.5°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.3	1.3	1.2
165°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.3	1.2	1.2
165.5°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.3	1.2	1.2
166°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
166.5°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
167°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
167.5°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
168°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
168.5°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
169°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
169.5°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
170°	0.7	0.7	0.6	0.6	1.1	1.2	1.2	1.2	1.2	1.2	1.2
170.5°	0.7	0.7	0.6	0.6	1.1	1.1	1.2	1.2	1.2	1.2	1.2
171°	0.7	0.7	0.6	0.6	1.1	1.1	1.2	1.2	1.2	1.1	1.1
171.5°	0.7	0.7	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
172°	0.7	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
172.5°	0.7	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
173°	0.7	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
173.5°	0.7	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
174°	0.7	0.6	0.6	0.6	1.0	1.0	1.1	1.1	1.1	1.1	1.1
174.5°	0.7	0.6	0.6	0.6	1.0	1.0	1.1	1.1	1.1	1.0	1.0
175°	0.7	0.7	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
175.5°	0.7	0.7	0.7	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
176°	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0
176.5°	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0
177°	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0
177.5°	0.7	0.7	0.7	0.7	0.9	1.0	1.0	1.0	1.0	1.0	1.0
178°	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.0	0.9	0.9
178.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
179°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
179.5°	0.9	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P1590465
CATALOG NUMBER: HCDLS1525CSD4TRC-ME-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

TEST NUMBER: P1590465

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2329.0	2329.0	2329.0	2329.0	2329.0	2329.0
0.5°	2329.2	2327.5	2328.4	2329.2	2329.0	2329.4
1°	2328.6	2326.9	2327.7	2328.1	2327.9	2328.4
1.5°	2327.5	2325.9	2326.9	2326.7	2326.3	2327.1
2°	2326.3	2324.7	2325.1	2324.3	2324.1	2325.5
2.5°	2324.1	2323.2	2323.2	2321.8	2321.6	2323.4
3°	2322.0	2321.8	2321.2	2318.3	2317.5	2321.2
3.5°	2318.9	2319.4	2318.1	2314.2	2312.8	2317.5
4°	2315.5	2316.3	2314.6	2309.3	2307.7	2313.4
4.5°	2310.8	2312.8	2310.6	2304.0	2302.0	2308.3
5°	2305.9	2308.5	2306.1	2297.9	2295.4	2302.8
5.5°	2300.7	2303.8	2300.9	2291.7	2288.7	2296.4
6°	2294.8	2298.3	2295.4	2285.4	2281.3	2289.9
6.5°	2288.3	2292.4	2289.1	2278.9	2274.6	2282.3
7°	2281.3	2284.8	2282.3	2271.9	2266.8	2274.4
7.5°	2273.7	2276.8	2274.2	2264.9	2259.4	2265.6
8°	2265.2	2267.4	2265.4	2256.4	2251.2	2256.8
8.5°	2256.2	2256.8	2255.1	2248.0	2242.7	2246.5
9°	2245.3	2244.1	2243.7	2237.7	2233.0	2235.7
9.5°	2233.5	2230.2	2230.4	2226.7	2222.4	2223.6
10°	2219.5	2213.6	2215.0	2213.2	2210.7	2211.2
10.5°	2203.6	2195.4	2197.2	2198.9	2197.7	2197.2
11°	2185.8	2174.8	2177.6	2181.7	2182.7	2181.7
11.5°	2164.7	2151.6	2155.3	2162.3	2165.8	2164.7
12°	2142.4	2126.9	2131.6	2140.2	2145.9	2145.7
12.5°	2118.5	2102.3	2106.8	2117.5	2124.6	2126.1
13°	2094.2	2076.4	2081.1	2093.1	2103.2	2105.4
13.5°	2069.0	2051.2	2055.3	2068.2	2080.3	2083.9
14°	2043.4	2024.3	2029.1	2042.7	2056.1	2061.6
14.5°	2017.1	1998.0	2002.8	2017.5	2031.8	2039.2
15°	1990.9	1970.9	1976.0	1990.9	2007.1	2016.0
15.5°	1965.3	1945.0	1950.1	1966.1	1981.6	1992.1
16°	1940.0	1919.4	1924.9	1940.3	1956.3	1968.6
16.5°	1914.4	1894.9	1899.9	1915.6	1932.4	1945.0
17°	1889.8	1869.3	1874.4	1891.0	1907.4	1920.8
17.5°	1865.4	1844.3	1850.4	1866.0	1883.2	1896.1
18°	1841.1	1819.1	1825.3	1841.3	1857.9	1871.4
18.5°	1816.1	1794.3	1800.4	1817.1	1833.3	1847.0
19°	1792.6	1769.7	1776.7	1792.7	1808.3	1822.6
19.5°	1769.6	1744.6	1752.6	1768.8	1784.1	1798.4
20°	1746.6	1721.1	1729.3	1744.8	1759.3	1773.8
20.5°	1723.6	1696.5	1705.2	1721.6	1735.2	1749.5
21°	1700.6	1673.2	1681.5	1697.1	1710.6	1725.0
21.5°	1677.6	1648.9	1657.8	1673.1	1685.7	1700.7
22°	1654.0	1625.1	1634.1	1648.7	1661.6	1675.1

TEST NUMBER: P1590465

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1629.6	1600.4	1609.1	1624.3	1635.7	1649.4
23°	1602.9	1574.0	1582.2	1597.9	1608.3	1621.5
23.5°	1574.1	1545.4	1554.2	1569.9	1580.9	1593.7
24°	1544.8	1514.7	1524.3	1540.0	1551.1	1564.4
24.5°	1514.5	1481.0	1493.3	1507.8	1519.7	1534.6
25°	1482.7	1449.1	1460.9	1474.7	1486.9	1503.5
25.5°	1449.4	1416.6	1428.0	1440.2	1454.1	1473.0
26°	1416.1	1384.4	1394.6	1404.7	1420.2	1442.0
26.5°	1381.4	1350.7	1360.7	1369.0	1385.5	1411.9
27°	1345.8	1319.0	1326.4	1332.8	1349.3	1379.4
27.5°	1309.7	1286.4	1290.9	1296.6	1314.0	1347.5
28°	1272.7	1252.8	1255.6	1260.9	1280.3	1314.3
28.5°	1236.3	1219.1	1220.8	1225.5	1246.7	1281.0
29°	1200.9	1184.8	1186.0	1191.1	1213.7	1246.1
29.5°	1166.1	1149.3	1151.0	1157.1	1181.2	1211.9
30°	1131.4	1113.5	1115.1	1123.7	1149.3	1175.5
30.5°	1096.6	1076.4	1079.4	1090.1	1116.3	1140.4
31°	1062.8	1040.9	1043.9	1056.4	1083.6	1105.3
31.5°	1028.8	1004.5	1008.8	1022.8	1050.2	1070.6
32°	995.5	969.1	974.2	989.0	1015.7	1035.4
32.5°	962.3	934.4	940.0	955.3	981.4	1001.6
33°	928.9	900.3	906.9	921.4	946.7	967.6
33.5°	895.3	865.4	874.4	886.8	911.6	933.4
34°	862.4	827.0	843.7	853.9	876.4	899.7
34.5°	829.4	796.2	811.8	822.5	842.6	865.4
35°	797.7	765.4	779.9	791.2	810.6	825.6
35.5°	765.6	734.6	747.9	759.9	778.7	793.9
36°	735.1	703.9	716.0	728.6	746.7	762.3
36.5°	704.2	674.1	684.1	697.2	714.7	730.7
37°	673.9	644.6	653.8	667.8	682.7	699.0
37.5°	644.0	616.0	624.0	638.6	653.0	666.3
38°	614.9	588.7	594.5	610.5	623.6	634.2
38.5°	586.7	561.7	565.8	581.8	594.0	603.1
39°	559.1	535.7	539.9	554.1	565.4	573.3
39.5°	531.8	509.2	513.4	525.9	536.6	543.7
40°	504.6	483.4	487.6	498.8	508.0	515.0
40.5°	478.9	459.0	462.7	471.8	479.4	487.8
41°	453.6	435.4	438.9	445.6	452.6	461.2
41.5°	429.2	412.5	415.4	420.5	425.6	435.0
42°	405.4	390.5	392.6	396.1	400.4	410.6
42.5°	381.9	369.3	370.5	371.5	375.5	386.8
43°	359.6	348.8	349.0	349.4	352.3	363.6
43.5°	338.0	328.7	328.3	326.4	329.4	340.8
44°	317.6	309.4	308.5	304.7	307.5	319.7
44.5°	297.7	290.6	289.5	283.4	286.2	298.9

TEST NUMBER: P1590465

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	278.4	272.6	270.9	263.5	265.8	278.9
45.5°	260.1	255.3	253.5	244.0	246.7	259.6
46°	242.4	238.8	236.7	225.7	228.4	241.9
46.5°	225.9	222.6	220.5	208.3	210.7	224.1
47°	210.6	207.1	204.9	192.4	194.1	207.7
47.5°	195.5	192.3	189.9	177.4	178.8	191.5
48°	180.3	178.0	175.7	163.4	164.7	176.9
48.5°	165.2	164.7	162.2	150.6	151.5	162.4
49°	151.8	151.8	149.4	138.9	138.8	149.1
49.5°	139.1	139.3	137.1	128.0	127.9	136.4
50°	127.6	127.5	125.2	117.6	117.2	124.0
50.5°	116.4	116.2	114.2	107.8	107.3	112.3
51°	106.0	105.5	103.9	98.6	97.7	101.7
51.5°	96.1	95.1	94.0	89.8	89.0	91.3
52°	86.8	85.6	84.6	81.3	81.3	81.7
52.5°	77.8	77.5	76.8	73.7	73.5	73.5
53°	69.4	69.4	68.9	66.1	65.6	65.2
53.5°	61.6	61.3	61.0	58.5	57.8	56.9
54°	54.0	53.2	53.2	51.0	49.9	48.7
54.5°	46.9	45.1	45.3	44.5	43.3	42.1
55°	40.7	39.0	39.3	38.7	37.3	36.1
55.5°	35.2	33.6	33.9	33.3	32.2	30.8
56°	29.8	28.1	28.5	28.0	26.9	25.4
56.5°	26.2	23.1	23.6	23.0	22.0	20.6
57°	22.7	19.0	19.3	18.8	17.8	16.7
57.5°	19.1	15.8	16.2	15.7	14.8	13.8
58°	15.6	13.5	13.8	13.4	12.5	11.7
58.5°	12.1	11.7	12.0	11.6	10.8	10.1
59°	10.5	10.3	10.6	10.2	9.4	8.8
59.5°	9.3	9.1	9.4	9.1	8.4	8.1
60°	8.3	8.4	8.4	8.4	7.7	7.3
60.5°	7.5	7.8	7.8	7.7	7.1	6.6
61°	6.7	7.1	7.2	7.1	6.4	5.9
61.5°	6.1	6.5	6.6	6.4	5.7	5.4
62°	5.6	5.8	6.0	5.7	5.2	4.9
62.5°	5.1	5.3	5.5	5.3	4.8	4.5
63°	4.7	4.9	5.1	4.9	4.4	4.1
63.5°	4.4	4.5	4.7	4.5	4.1	3.8
64°	4.0	4.2	4.4	4.1	3.8	3.5
64.5°	3.7	3.9	4.0	3.8	3.5	3.2
65°	3.5	3.6	3.8	3.6	3.2	3.0
65.5°	3.2	3.4	3.5	3.3	3.0	2.8
66°	3.0	3.1	3.2	3.1	2.8	2.6
66.5°	2.8	2.9	3.0	2.9	2.6	2.4
67°	2.6	2.7	2.8	2.7	2.4	2.2

TEST NUMBER: P1590465

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	2.4	2.5	2.6	2.5	2.2	2.1
68°	2.2	2.3	2.4	2.3	2.0	1.9
68.5°	2.1	2.2	2.3	2.1	1.9	1.8
69°	1.9	2.0	2.1	2.0	1.8	1.6
69.5°	1.8	1.9	2.0	1.8	1.6	1.5
70°	1.7	1.7	1.8	1.7	1.5	1.4
70.5°	1.6	1.6	1.7	1.6	1.4	1.3
71°	1.4	1.5	1.6	1.5	1.3	1.2
71.5°	1.3	1.4	1.5	1.4	1.2	1.1
72°	1.2	1.3	1.4	1.3	1.1	1.0
72.5°	1.1	1.2	1.3	1.2	1.0	0.9
73°	1.1	1.1	1.2	1.1	1.0	0.9
73.5°	1.0	1.0	1.1	1.0	0.9	0.8
74°	0.9	0.9	1.0	0.9	0.8	0.7
74.5°	0.8	0.9	0.9	0.8	0.7	0.7
75°	0.8	0.8	0.8	0.8	0.7	0.6
75.5°	0.7	0.7	0.8	0.7	0.6	0.5
76°	0.6	0.7	0.7	0.6	0.6	0.5
76.5°	0.6	0.6	0.6	0.6	0.5	0.4
77°	0.5	0.6	0.6	0.5	0.5	0.4
77.5°	0.5	0.5	0.5	0.5	0.4	0.4
78°	0.4	0.4	0.5	0.4	0.4	0.3
78.5°	0.4	0.4	0.4	0.4	0.3	0.3
79°	0.3	0.4	0.4	0.3	0.3	0.2
79.5°	0.3	0.3	0.3	0.3	0.2	0.2
80°	0.3	0.3	0.3	0.3	0.2	0.2
80.5°	0.2	0.2	0.3	0.2	0.2	0.1
81°	0.2	0.2	0.2	0.2	0.1	0.1
81.5°	0.2	0.2	0.2	0.2	0.1	0.1
82°	0.1	0.1	0.1	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: P1590465

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-4000K

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: P1590465

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-4000K

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	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.1	0.1	0.1	0.0	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	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.2	0.2	0.2	0.1	0.1
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°	0.2	0.2	0.2	0.2	0.2	0.2
130.5°	0.2	0.2	0.2	0.2	0.2	0.2
131°	0.2	0.2	0.2	0.2	0.2	0.2
131.5°	0.3	0.2	0.2	0.2	0.2	0.2
132°	0.3	0.2	0.2	0.2	0.2	0.2
132.5°	0.3	0.2	0.2	0.2	0.2	0.2
133°	0.3	0.3	0.3	0.3	0.2	0.2
133.5°	0.3	0.3	0.3	0.3	0.3	0.3
134°	0.3	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: P1590465

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-4000K

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°	0.4	0.3	0.3	0.3	0.3	0.3
136.5°	0.4	0.3	0.3	0.3	0.3	0.3
137°	0.4	0.3	0.3	0.3	0.3	0.3
137.5°	0.5	0.3	0.3	0.3	0.3	0.3
138°	0.5	0.3	0.3	0.3	0.3	0.3
138.5°	0.5	0.4	0.4	0.4	0.3	0.3
139°	0.5	0.4	0.4	0.4	0.4	0.4
139.5°	0.5	0.4	0.4	0.4	0.4	0.4
140°	0.5	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°	0.6	0.4	0.4	0.4	0.4	0.4
141.5°	0.6	0.4	0.4	0.4	0.4	0.4
142°	0.6	0.4	0.4	0.4	0.4	0.4
142.5°	0.6	0.4	0.4	0.4	0.4	0.4
143°	0.7	0.4	0.4	0.4	0.4	0.4
143.5°	0.7	0.4	0.4	0.4	0.4	0.4
144°	0.7	0.5	0.5	0.4	0.4	0.4
144.5°	0.7	0.5	0.5	0.5	0.5	0.4
145°	0.7	0.5	0.5	0.5	0.5	0.5
145.5°	0.8	0.5	0.5	0.5	0.5	0.5
146°	0.8	0.5	0.5	0.5	0.5	0.5
146.5°	0.8	0.5	0.5	0.5	0.5	0.5
147°	0.8	0.5	0.5	0.5	0.5	0.5
147.5°	0.8	0.5	0.5	0.5	0.5	0.5
148°	0.8	0.5	0.5	0.5	0.5	0.5
148.5°	0.9	0.5	0.5	0.5	0.5	0.5
149°	0.9	0.5	0.5	0.5	0.5	0.5
149.5°	0.9	0.5	0.5	0.5	0.5	0.5
150°	0.9	0.5	0.5	0.5	0.5	0.5
150.5°	0.9	0.5	0.5	0.6	0.5	0.5
151°	1.0	0.6	0.6	0.6	0.6	0.6
151.5°	1.0	0.6	0.6	0.6	0.6	0.6
152°	1.0	0.6	0.6	0.6	0.6	0.6
152.5°	1.0	0.6	0.6	0.6	0.6	0.6
153°	1.0	0.6	0.6	0.6	0.6	0.6
153.5°	1.0	0.6	0.6	0.6	0.6	0.6
154°	1.0	0.6	0.6	0.6	0.6	0.6
154.5°	1.1	0.6	0.6	0.6	0.6	0.6
155°	1.1	0.6	0.6	0.6	0.6	0.6
155.5°	1.1	0.6	0.6	0.6	0.6	0.6
156°	1.1	0.6	0.6	0.6	0.6	0.6
156.5°	1.1	0.6	0.6	0.6	0.6	0.6
157°	1.1	0.6	0.6	0.6	0.6	0.6

TEST NUMBER: P1590465

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.1	0.6	0.6	0.6	0.6	0.6
158°	1.1	0.6	0.6	0.6	0.6	0.6
158.5°	1.2	0.6	0.6	0.6	0.6	0.6
159°	1.2	0.6	0.6	0.6	0.7	0.6
159.5°	1.2	0.6	0.6	0.7	0.7	0.7
160°	1.2	0.6	0.6	0.7	0.7	0.7
160.5°	1.2	0.6	0.6	0.7	0.7	0.7
161°	1.2	0.6	0.6	0.7	0.7	0.7
161.5°	1.2	0.6	0.6	0.7	0.7	0.7
162°	1.2	0.6	0.6	0.7	0.7	0.7
162.5°	1.2	0.6	0.6	0.7	0.7	0.7
163°	1.2	0.6	0.6	0.7	0.7	0.7
163.5°	1.2	0.6	0.7	0.7	0.7	0.7
164°	1.2	0.6	0.7	0.7	0.7	0.7
164.5°	1.2	0.6	0.7	0.7	0.7	0.7
165°	1.2	0.6	0.7	0.7	0.7	0.7
165.5°	1.2	0.6	0.7	0.7	0.7	0.7
166°	1.2	0.6	0.7	0.7	0.7	0.7
166.5°	1.2	0.6	0.7	0.7	0.7	0.7
167°	1.2	0.6	0.7	0.7	0.7	0.7
167.5°	1.2	0.6	0.7	0.7	0.7	0.7
168°	1.2	0.6	0.7	0.7	0.7	0.7
168.5°	1.2	0.6	0.7	0.7	0.7	0.7
169°	1.2	0.6	0.7	0.7	0.7	0.7
169.5°	1.2	0.6	0.7	0.7	0.7	0.7
170°	1.2	0.6	0.6	0.7	0.7	0.7
170.5°	1.1	0.6	0.6	0.7	0.7	0.7
171°	1.1	0.6	0.6	0.7	0.7	0.7
171.5°	1.1	0.6	0.6	0.7	0.7	0.7
172°	1.1	0.6	0.6	0.7	0.7	0.7
172.5°	1.1	0.6	0.6	0.7	0.7	0.7
173°	1.1	0.6	0.6	0.7	0.7	0.7
173.5°	1.1	0.6	0.6	0.7	0.7	0.7
174°	1.1	0.6	0.6	0.7	0.7	0.7
174.5°	1.0	0.6	0.7	0.7	0.7	0.7
175°	1.0	0.6	0.7	0.7	0.7	0.7
175.5°	1.0	0.7	0.7	0.7	0.7	0.7
176°	1.0	0.7	0.7	0.7	0.7	0.7
176.5°	1.0	0.7	0.7	0.7	0.7	0.7
177°	1.0	0.7	0.7	0.7	0.7	0.7
177.5°	0.9	0.7	0.8	0.8	0.8	0.7
178°	0.9	0.8	0.8	0.8	0.8	0.8
178.5°	0.9	0.8	0.8	0.8	0.8	0.8
179°	0.9	0.8	0.8	0.8	0.8	0.8
179.5°	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P1590465

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.9	0.9	0.9	0.9	0.9	0.9

TEST NUMBER: P1590465

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-4000K

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	5.2	6.2	5.5	6.5	6.9	6.2	7.2	6.6	7.5	7.9
	3H	5.1	6.0	5.5	6.4	6.7	6.1	7.0	6.5	7.4	7.7
	4H	5.0	5.9	5.4	6.2	6.6	6.0	6.9	6.5	7.2	7.6
	6H	4.9	5.7	5.4	6.1	6.5	6.0	6.7	6.4	7.1	7.5
	8H	4.9	5.6	5.3	6.0	6.4	5.9	6.6	6.3	7.0	7.4
	12H	4.8	5.5	5.3	5.9	6.3	5.8	6.5	6.3	6.9	7.4
4H	2H	5.0	5.8	5.4	6.2	6.6	6.0	6.8	6.4	7.2	7.6
	3H	5.0	5.6	5.4	6.1	6.5	5.9	6.6	6.4	7.0	7.4
	4H	4.9	5.5	5.3	5.9	6.4	5.9	6.5	6.3	6.9	7.3
	6H	4.8	5.3	5.2	5.7	6.2	5.8	6.3	6.2	6.7	7.2
	8H	4.7	5.2	5.2	5.6	6.1	5.7	6.2	6.2	6.6	7.1
	12H	4.6	5.1	5.1	5.6	6.0	5.6	6.1	6.1	6.5	7.0
8H	4H	4.7	5.2	5.2	5.6	6.1	5.7	6.2	6.2	6.6	7.1
	6H	4.6	5.0	5.1	5.5	6.0	5.6	6.0	6.1	6.5	7.0
	8H	4.5	4.9	5.1	5.4	5.9	5.5	5.9	6.0	6.4	6.9
	12H	4.5	4.8	5.0	5.3	5.9	5.5	5.8	6.0	6.3	6.8
12H	4H	4.7	5.1	5.1	5.6	6.0	5.6	6.0	6.1	6.5	7.0
	6H	4.5	4.9	5.1	5.4	5.9	5.5	5.9	6.1	6.3	6.9
	8H	4.5	4.8	5.0	5.3	5.9	5.5	5.8	6.0	6.3	6.8

(END OF REPORT)