

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: P1590466

Luminaire Tested: HCDLS1525CSD4TRC-ME-5000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590466
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-5000K
Description: 4" Selectable Round Trim + Specular Clear 2000 Lumens 5000K

Light Source:
Ballast/Driver: -

Summary

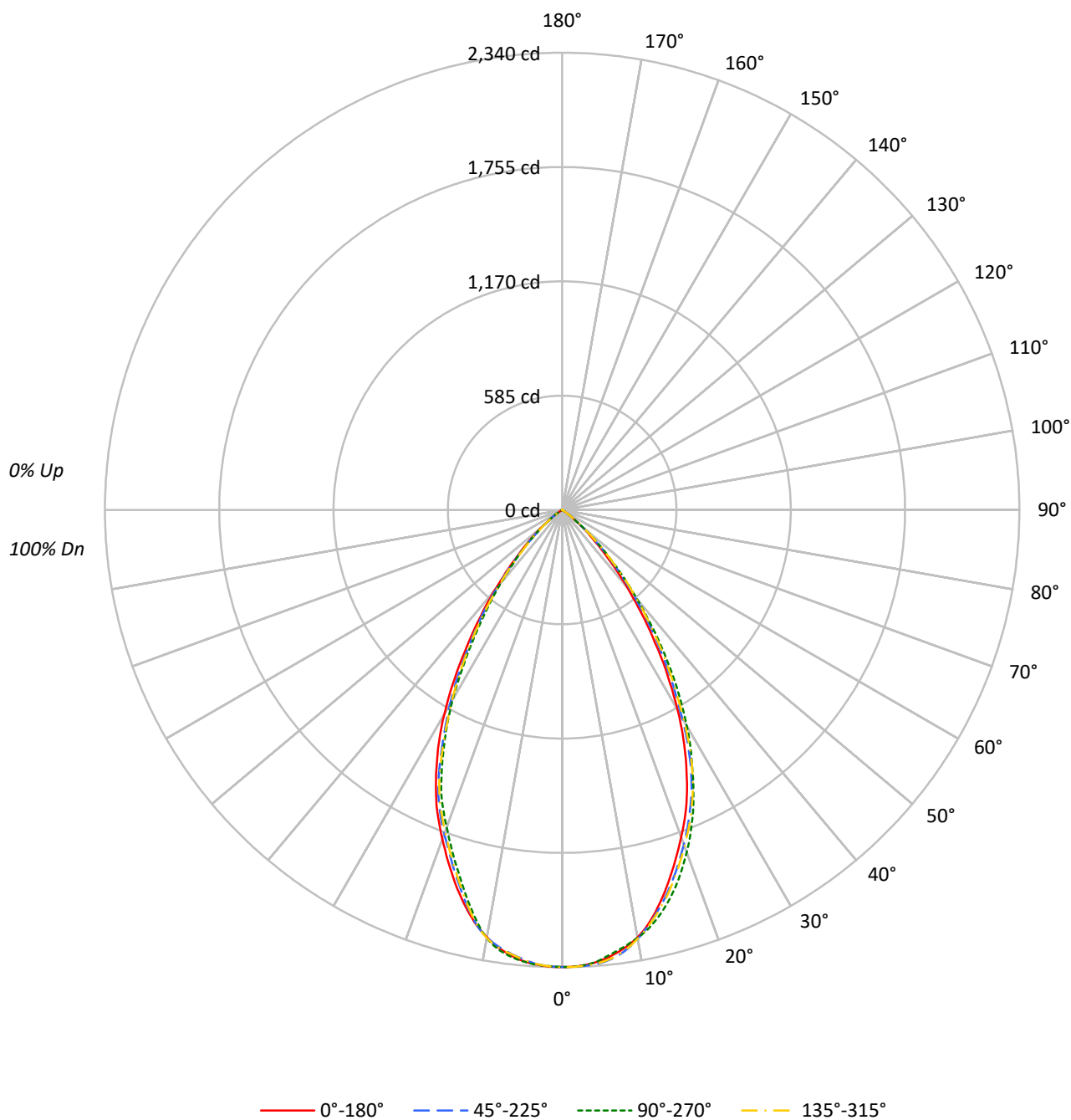
Lumens per Lamp: N/A
Luminaire Lumens: 2287.6 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

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°	288542	288542	288542	288542
5°	286388	285782	286723	287106
10°	278177	278527	278127	278477
15°	258586	265852	259467	252789
20°	233869	244619	235378	226912
25°	205533	216326	207997	198103
30°	168164	181666	171810	159305
35°	124859	140564	127509	115764
40°	83294	96771	86627	78190
45°	48860	58611	51686	47761
50°	23910	27421	25598	24581
55°	7806	8279	8301	8408
60°	1826	2023	1875	2097
65°	876	1022	934	1051
70°	505	613	541	649
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: 58611 cd/sqm

TEST NUMBER: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.2	9.5
10°-20°	566.5	24.8
20°-30°	692.1	30.3
30°-40°	527.3	23.0
40°-50°	235.1	10.3
50°-60°	42.6	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°	1476.7	64.6
0°-40°	2004.0	87.6
0°-60°	2281.6	99.7
0°-90°	2286.2	99.9
90°-120°	0.0	0.0
90°-150°	0.7	0.0
90°-180°	1.0	0.0
0°-180°	2287.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2339	2339	2339	2339	2339	
5°	2313	2308	2316	2319	2313	218
15°	2025	2082	2032	1980	2025	565
25°	1510	1590	1528	1456	1510	686
35°	829	934	847	769	829	518
45°	280	336	296	274	280	223
55°	36	38	39	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	

TEST NUMBER: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2339.3	2339.3	2339.3	2339.3	2339.3	2339.3	2339.3	2339.3	2339.3	2339.3	2339.3
0.5°	2339.7	2338.9	2339.1	2339.7	2338.9	2339.1	2340.1	2339.7	2339.7	2338.9	2338.9
1°	2338.7	2338.7	2339.1	2339.7	2338.9	2339.1	2339.5	2339.5	2338.9	2338.1	2338.1
1.5°	2337.4	2337.9	2338.7	2338.9	2338.1	2338.7	2338.9	2338.7	2338.1	2336.8	2336.8
2°	2335.8	2336.6	2338.1	2337.9	2336.6	2337.2	2338.1	2337.9	2336.4	2334.6	2335.0
2.5°	2333.7	2335.8	2337.0	2336.0	2334.6	2335.2	2337.2	2336.6	2334.4	2332.1	2332.5
3°	2331.5	2334.6	2335.6	2333.5	2331.5	2332.7	2335.2	2335.2	2332.1	2328.6	2329.0
3.5°	2327.8	2333.1	2334.0	2330.5	2327.4	2329.4	2332.9	2333.1	2329.4	2324.3	2324.7
4°	2323.7	2331.1	2332.3	2326.4	2321.8	2324.9	2330.7	2331.1	2325.5	2319.0	2319.6
4.5°	2318.5	2328.2	2329.6	2321.2	2315.3	2319.4	2327.2	2328.2	2321.2	2312.8	2313.8
5°	2313.0	2324.7	2325.5	2314.8	2308.1	2312.6	2322.9	2324.9	2315.7	2306.0	2307.5
5.5°	2306.6	2320.0	2321.0	2308.3	2300.3	2305.6	2317.7	2320.4	2309.9	2298.6	2300.9
6°	2300.1	2314.2	2315.5	2300.7	2292.0	2297.8	2312.0	2315.1	2302.9	2291.0	2293.7
6.5°	2292.5	2307.7	2309.1	2293.1	2283.6	2289.8	2305.2	2308.7	2295.1	2283.2	2286.5
7°	2284.4	2299.6	2301.1	2284.9	2275.4	2281.6	2297.4	2301.1	2286.7	2274.8	2279.1
7.5°	2275.6	2290.6	2292.0	2276.0	2267.2	2272.7	2288.8	2292.2	2278.3	2266.4	2271.1
8°	2266.8	2280.7	2281.8	2266.4	2258.8	2263.7	2278.9	2281.8	2268.2	2257.7	2262.9
8.5°	2256.5	2269.4	2270.5	2256.3	2250.3	2254.9	2267.8	2270.9	2257.5	2248.1	2253.8
9°	2245.6	2256.9	2257.7	2245.8	2241.7	2244.8	2255.5	2258.1	2246.2	2238.2	2244.0
9.5°	2233.5	2243.1	2244.2	2234.5	2233.1	2234.3	2242.5	2244.2	2234.3	2227.3	2233.3
10°	2221.0	2228.6	2229.4	2222.4	2223.8	2223.0	2228.4	2229.4	2220.6	2215.8	2221.2
10.5°	2207.0	2212.7	2213.6	2209.5	2213.8	2211.5	2213.6	2213.2	2206.0	2202.1	2206.8
11°	2191.4	2196.1	2196.9	2195.7	2202.7	2198.8	2197.7	2196.9	2190.8	2187.7	2191.0
11.5°	2174.3	2178.0	2180.1	2181.3	2190.8	2185.6	2181.5	2179.7	2174.3	2171.7	2173.3
12°	2155.2	2159.3	2162.4	2165.3	2178.2	2171.5	2165.1	2161.8	2156.9	2153.0	2152.8
12.5°	2135.5	2140.0	2143.5	2149.9	2163.9	2155.8	2147.8	2143.3	2137.1	2132.8	2129.7
13°	2114.8	2120.5	2125.0	2133.0	2149.5	2140.4	2130.0	2123.6	2118.5	2111.9	2107.4
13.5°	2093.2	2099.8	2105.9	2116.2	2133.7	2124.6	2111.7	2104.5	2097.7	2089.7	2083.7
14°	2070.8	2078.6	2086.6	2097.9	2116.8	2107.2	2093.0	2083.9	2076.7	2066.9	2059.1
14.5°	2048.3	2057.2	2066.9	2079.8	2099.6	2089.5	2073.3	2063.6	2054.1	2043.3	2034.3
15°	2025.0	2035.5	2046.2	2060.7	2081.9	2070.6	2054.4	2042.7	2031.9	2019.3	2008.6
15.5°	2001.0	2013.1	2025.6	2040.8	2063.4	2051.5	2033.6	2021.2	2009.3	1995.2	1982.9
16°	1977.3	1990.2	2004.0	2019.5	2043.6	2031.3	2012.8	1998.9	1985.9	1970.0	1957.6
16.5°	1953.6	1967.7	1982.3	1998.9	2023.5	2010.7	1990.8	1976.3	1962.2	1945.3	1932.6
17°	1929.4	1944.8	1960.2	1977.4	2002.7	1989.3	1968.7	1953.3	1938.1	1920.6	1907.6
17.5°	1904.5	1921.3	1937.1	1955.3	1981.2	1967.5	1946.6	1929.4	1913.9	1896.0	1882.6
18°	1879.7	1897.4	1913.8	1932.2	1958.3	1945.4	1923.2	1906.0	1890.1	1871.5	1857.9
18.5°	1855.2	1873.1	1890.6	1909.0	1935.6	1922.2	1900.2	1882.8	1865.9	1846.8	1833.7
19°	1830.7	1848.9	1867.7	1885.8	1911.6	1898.9	1877.3	1859.1	1840.8	1822.8	1809.3
19.5°	1806.4	1824.9	1844.3	1862.1	1888.3	1875.3	1854.2	1834.7	1816.8	1799.0	1787.6
20°	1781.7	1800.4	1820.8	1838.2	1863.6	1851.9	1831.2	1811.6	1793.2	1775.2	1764.2
20.5°	1757.3	1776.6	1796.9	1814.2	1839.3	1828.0	1807.4	1788.8	1768.4	1751.4	1740.8
21°	1732.6	1751.7	1772.7	1789.5	1814.4	1803.0	1783.8	1765.0	1743.6	1727.5	1717.5
21.5°	1708.2	1727.3	1748.9	1764.5	1787.9	1777.2	1760.2	1741.2	1718.8	1703.7	1694.1
22°	1682.5	1701.9	1723.8	1738.2	1761.3	1751.4	1736.5	1717.4	1694.0	1679.8	1668.4

TEST NUMBER: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1656.7	1677.4	1698.8	1713.0	1734.8	1725.6	1712.9	1693.5	1671.2	1653.4	1642.9
23°	1628.7	1650.8	1673.5	1684.8	1708.3	1699.8	1689.3	1667.2	1644.2	1625.3	1616.3
23.5°	1600.8	1624.5	1647.8	1658.3	1681.7	1673.9	1662.5	1641.2	1616.2	1597.1	1588.1
24°	1571.3	1597.1	1620.7	1628.9	1650.7	1645.0	1636.4	1614.5	1587.3	1568.2	1557.6
24.5°	1541.4	1568.7	1594.4	1600.7	1620.7	1616.1	1609.4	1586.8	1558.0	1537.4	1525.7
25°	1510.2	1539.2	1566.3	1570.0	1589.5	1586.3	1581.5	1558.7	1528.3	1506.2	1492.8
25.5°	1479.5	1509.9	1537.9	1540.9	1559.1	1556.3	1552.8	1530.2	1498.2	1474.0	1458.3
26°	1448.4	1479.1	1508.1	1510.0	1528.5	1525.9	1523.6	1500.6	1467.9	1441.8	1422.0
26.5°	1418.2	1448.2	1477.7	1478.9	1497.4	1494.9	1492.9	1469.3	1436.5	1408.6	1385.6
27°	1385.5	1416.6	1444.7	1447.7	1466.2	1463.4	1461.1	1437.8	1405.6	1375.0	1349.9
27.5°	1353.4	1384.8	1410.5	1415.8	1435.9	1432.5	1428.5	1405.6	1374.5	1340.3	1315.2
28°	1320.1	1352.5	1375.1	1383.5	1404.9	1401.2	1393.3	1372.4	1342.1	1306.3	1280.7
28.5°	1286.7	1317.6	1338.2	1350.1	1373.6	1368.6	1358.4	1338.2	1309.2	1271.5	1246.1
29°	1251.6	1284.2	1300.9	1316.9	1341.9	1336.7	1321.9	1302.9	1275.5	1237.6	1213.3
29.5°	1217.3	1249.3	1262.3	1283.4	1309.6	1303.5	1284.8	1266.3	1241.1	1204.1	1180.3
30°	1180.7	1213.0	1224.6	1248.5	1275.5	1269.9	1245.9	1228.7	1206.3	1170.3	1147.2
30.5°	1145.5	1175.2	1187.4	1212.3	1241.7	1234.7	1208.0	1190.6	1170.0	1136.3	1113.6
31°	1110.2	1138.7	1151.3	1176.5	1207.4	1200.1	1171.2	1152.6	1134.7	1103.4	1079.4
31.5°	1075.3	1100.1	1116.0	1140.4	1173.3	1164.6	1135.3	1114.4	1098.1	1070.3	1045.2
32°	1040.0	1062.8	1081.9	1103.8	1138.7	1128.6	1100.8	1077.8	1063.4	1037.5	1010.5
32.5°	1006.0	1024.7	1047.8	1067.8	1105.2	1092.9	1066.3	1042.0	1025.8	1003.9	976.1
33°	971.9	989.7	1015.1	1032.1	1071.7	1056.5	1033.9	1006.8	989.3	971.4	941.2
33.5°	937.5	952.6	981.9	996.2	1037.6	1020.6	1000.7	972.7	952.6	937.5	906.0
34°	903.6	919.0	949.0	962.5	1002.8	985.7	968.2	939.2	917.4	903.8	873.0
34.5°	869.3	883.8	914.9	928.9	968.1	951.3	935.5	906.3	881.2	869.6	839.3
35°	829.2	850.1	881.1	896.3	933.5	917.6	902.6	874.3	846.8	834.7	807.9
35.5°	797.4	817.6	848.4	864.5	899.0	884.4	869.2	841.1	813.2	800.6	777.2
36°	765.7	785.1	816.3	834.0	863.7	851.9	836.2	807.9	781.1	767.2	747.2
36.5°	733.9	752.7	784.1	802.3	829.2	818.9	803.2	775.0	747.7	734.1	716.9
37°	702.1	720.2	751.9	770.7	794.8	787.0	770.5	742.5	716.0	701.9	688.0
37.5°	669.2	687.8	719.7	739.0	761.0	755.4	738.3	709.5	685.1	669.8	658.3
38°	637.0	658.3	687.6	707.3	728.1	724.3	708.1	678.0	654.6	639.5	629.2
38.5°	605.7	628.1	657.9	676.0	694.9	692.9	677.6	647.4	624.4	609.7	599.6
39°	575.8	599.5	629.3	645.8	663.0	663.4	648.8	617.5	595.3	580.6	571.3
39.5°	546.1	570.6	600.0	615.6	631.7	632.5	620.1	589.0	566.4	551.0	542.9
40°	517.3	543.0	571.5	585.9	601.0	603.3	591.8	561.7	538.0	522.5	515.1
40.5°	489.9	516.5	543.7	556.9	571.4	572.7	563.5	534.1	509.8	494.6	487.7
41°	463.2	489.7	515.8	528.7	541.8	544.0	535.6	507.8	482.5	467.6	461.6
41.5°	437.0	463.6	487.7	501.2	513.9	515.1	508.0	482.0	456.3	441.0	436.5
42°	412.4	439.3	461.7	474.7	486.3	487.7	480.5	457.3	430.9	414.8	412.3
42.5°	388.5	414.6	435.4	448.2	459.8	460.0	453.2	432.2	406.4	390.1	387.7
43°	365.2	390.5	409.9	421.4	433.7	433.7	426.9	408.3	383.0	366.3	364.1
43.5°	342.3	366.2	384.9	395.6	407.9	407.3	401.2	384.4	359.5	343.3	340.3
44°	321.1	343.3	361.9	370.2	382.8	382.7	376.5	361.5	337.8	321.6	318.5
44.5°	300.2	321.1	338.7	345.6	358.9	357.8	352.3	338.6	316.6	300.7	295.8

TEST NUMBER: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	280.1	299.9	316.7	321.7	336.0	334.4	329.2	316.8	296.3	280.4	274.5
45.5°	260.7	278.9	295.4	298.1	312.8	310.8	306.9	295.6	276.6	261.0	253.7
46°	242.9	259.3	274.4	276.0	291.0	288.8	285.2	275.1	257.2	242.7	235.1
46.5°	225.1	239.7	253.8	254.5	269.4	266.8	264.6	254.8	239.4	226.7	218.5
47°	208.6	222.2	234.0	234.3	249.5	246.0	244.0	235.8	223.4	210.7	201.8
47.5°	192.4	204.4	214.8	214.6	231.3	228.0	226.0	218.9	207.6	194.7	185.2
48°	177.7	188.3	196.6	196.3	213.1	209.9	208.1	202.0	191.7	178.7	168.6
48.5°	163.1	171.9	179.0	178.9	194.9	191.9	190.3	185.1	175.8	162.8	155.0
49°	149.7	157.4	162.3	162.9	176.7	173.9	172.4	168.2	160.0	149.4	142.7
49.5°	137.0	143.3	146.3	147.6	158.6	155.9	154.6	151.4	146.4	136.6	131.3
50°	124.6	130.0	131.4	132.9	142.9	141.0	139.6	137.3	133.4	124.9	120.6
50.5°	112.8	116.8	117.7	119.2	128.0	126.7	125.5	123.9	121.2	113.8	110.5
51°	102.1	105.2	105.2	106.5	114.5	113.8	112.5	111.3	109.4	103.5	101.0
51.5°	91.7	94.0	93.5	94.6	101.7	101.4	100.6	99.5	98.5	93.8	92.2
52°	82.1	83.8	82.9	83.9	89.9	90.0	89.2	88.6	87.9	84.5	83.6
52.5°	73.8	75.3	74.5	75.2	78.9	79.3	78.7	78.3	78.0	75.7	75.2
53°	65.5	66.8	66.0	66.6	69.0	69.6	69.1	68.7	68.6	67.2	67.2
53.5°	57.2	58.4	57.6	58.0	59.7	60.4	60.2	59.8	60.1	59.2	59.6
54°	48.9	49.9	49.2	49.4	51.6	52.3	52.3	51.6	52.0	51.7	52.4
54.5°	42.2	41.4	40.8	40.8	44.5	45.2	45.2	44.4	44.9	44.9	45.7
55°	36.3	35.6	35.0	35.1	38.5	39.1	39.0	38.4	38.6	38.7	39.6
55.5°	30.9	30.1	29.6	29.5	32.9	33.5	33.4	32.8	33.0	33.3	34.0
56°	25.6	24.7	24.2	24.1	27.5	27.8	27.8	29.2	28.9	29.5	28.6
56.5°	20.7	19.9	19.5	19.6	24.3	24.6	24.6	25.6	24.9	25.8	25.1
57°	16.8	16.1	15.8	16.0	21.1	21.4	21.4	22.1	20.8	22.1	21.7
57.5°	13.8	13.4	13.2	13.4	17.9	18.3	18.2	18.5	16.8	18.4	18.3
58°	11.7	11.3	11.2	11.5	14.7	15.2	15.0	14.9	12.8	14.7	14.9
58.5°	10.1	9.8	9.7	10.0	11.5	12.0	11.9	11.3	11.0	11.0	11.5
59°	8.9	8.6	8.5	8.8	10.2	10.6	10.4	9.9	9.6	9.6	9.9
59.5°	8.1	7.9	7.8	8.1	9.1	9.4	9.3	8.8	8.5	8.5	8.8
60°	7.4	7.2	7.1	7.4	8.2	8.5	8.3	7.9	7.6	7.5	7.8
60.5°	6.6	6.4	6.4	6.7	7.4	7.7	7.6	7.1	6.8	6.8	7.0
61°	5.9	5.7	5.7	6.0	6.7	7.0	6.9	6.4	6.2	6.1	6.3
61.5°	5.4	5.2	5.2	5.4	6.1	6.4	6.3	5.9	5.6	5.6	5.8
62°	4.9	4.8	4.8	5.0	5.6	5.9	5.7	5.4	5.2	5.1	5.3
62.5°	4.5	4.4	4.4	4.6	5.2	5.4	5.3	4.9	4.7	4.7	4.8
63°	4.1	4.0	4.0	4.2	4.8	5.0	4.9	4.6	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	3.5	3.6	4.1	4.3	4.2	3.9	3.7	3.7	3.8
64.5°	3.3	3.2	3.2	3.4	3.8	4.0	3.9	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	3.2	3.3
65.5°	2.8	2.7	2.8	2.9	3.3	3.4	3.3	3.1	3.0	2.9	3.0
66°	2.6	2.5	2.6	2.7	3.0	3.2	3.1	2.9	2.8	2.7	2.8
66.5°	2.4	2.4	2.4	2.5	2.8	3.0	2.9	2.7	2.6	2.5	2.6
67°	2.2	2.2	2.2	2.3	2.6	2.8	2.7	2.5	2.4	2.4	2.4

TEST NUMBER: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

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	2.1	2.2	2.5	2.6	2.5	2.3	2.2	2.2	2.3
68°	1.9	1.9	1.9	2.0	2.3	2.4	2.3	2.2	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	2.0
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	1.7	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	1.4
71.5°	1.1	1.1	1.1	1.2	1.4	1.4	1.4	1.3	1.2	1.2	1.3
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	1.0	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	0.9	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°	0.6	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	0.4	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: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

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: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

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	0.1
123.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	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°	0.1	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	0.2	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	0.3	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	0.4

TEST NUMBER: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

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	0.4	0.4	0.4	0.4	0.4	0.4	0.4
136°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
136.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	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	0.6	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	0.7	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°	0.5	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145°	0.5	0.5	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	0.5	0.7	0.7	0.7	0.7	0.7	0.8	0.8
146°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.8	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	0.6	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	1.1	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: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

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	1.2	1.1
158°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.2	1.2	1.2
158.5°	0.6	0.6	0.6	0.6	1.1	1.2	1.2	1.2	1.2	1.2	1.2
159°	0.7	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	0.7	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	1.3	1.3	1.2
163°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.3	1.3	1.3
163.5°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.3	1.3	1.3	1.3
164°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.3	1.3	1.3	1.3
164.5°	0.7	0.7	0.7	0.6	1.2	1.2	1.2	1.3	1.3	1.3	1.3
165°	0.7	0.7	0.7	0.6	1.2	1.2	1.2	1.3	1.3	1.3	1.3
165.5°	0.7	0.7	0.7	0.6	1.2	1.2	1.2	1.2	1.3	1.3	1.3
166°	0.7	0.7	0.7	0.6	1.2	1.2	1.2	1.2	1.3	1.2	1.2
166.5°	0.7	0.7	0.7	0.6	1.2	1.2	1.2	1.2	1.3	1.2	1.2
167°	0.7	0.7	0.7	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
167.5°	0.7	0.7	0.7	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
168°	0.7	0.7	0.7	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
168.5°	0.7	0.7	0.7	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
169°	0.7	0.7	0.7	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	1.2	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	0.7	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
172.5°	0.7	0.7	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
173°	0.7	0.7	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
173.5°	0.7	0.7	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
174°	0.7	0.7	0.6	0.6	1.0	1.1	1.1	1.1	1.1	1.1	1.1
174.5°	0.7	0.7	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	1.1	1.1	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°	0.8	0.7	0.7	0.7	1.0	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	1.0	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: P1590466
CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

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: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2339.3	2339.3	2339.3	2339.3	2339.3	2339.3
0.5°	2339.5	2337.9	2338.7	2339.5	2339.3	2339.7
1°	2338.9	2337.2	2338.1	2338.5	2338.3	2338.7
1.5°	2337.9	2336.2	2337.2	2337.0	2336.6	2337.4
2°	2336.6	2335.0	2335.4	2334.6	2334.4	2335.8
2.5°	2334.4	2333.5	2333.5	2332.1	2331.9	2333.7
3°	2332.3	2332.1	2331.5	2328.6	2327.8	2331.5
3.5°	2329.2	2329.6	2328.4	2324.5	2323.1	2327.8
4°	2325.7	2326.6	2324.9	2319.6	2317.9	2323.7
4.5°	2321.0	2323.1	2320.8	2314.2	2312.2	2318.5
5°	2316.1	2318.8	2316.3	2308.1	2305.6	2313.0
5.5°	2310.9	2314.0	2311.1	2301.9	2298.8	2306.6
6°	2305.0	2308.5	2305.6	2295.5	2291.4	2300.1
6.5°	2298.4	2302.5	2299.2	2289.0	2284.6	2292.5
7°	2291.4	2294.9	2292.5	2282.0	2276.8	2284.4
7.5°	2283.8	2286.9	2284.2	2275.0	2269.4	2275.6
8°	2275.2	2277.5	2275.4	2266.4	2261.2	2266.8
8.5°	2266.2	2266.8	2265.1	2257.9	2252.6	2256.5
9°	2255.3	2254.0	2253.6	2247.7	2242.9	2245.6
9.5°	2243.4	2240.1	2240.3	2236.6	2232.3	2233.5
10°	2229.4	2223.4	2224.9	2223.0	2220.6	2221.0
10.5°	2213.4	2205.1	2207.0	2208.6	2207.4	2207.0
11°	2195.5	2184.4	2187.3	2191.4	2192.4	2191.4
11.5°	2174.3	2161.2	2164.9	2171.9	2175.4	2174.3
12°	2151.9	2136.3	2141.0	2149.7	2155.4	2155.2
12.5°	2127.9	2111.7	2116.2	2126.9	2134.1	2135.5
13°	2103.5	2085.6	2090.3	2102.4	2112.5	2114.8
13.5°	2078.2	2060.3	2064.4	2077.4	2089.5	2093.2
14°	2052.4	2033.3	2038.1	2051.7	2065.2	2070.8
14.5°	2026.0	2006.9	2011.7	2026.4	2040.8	2048.3
15°	1999.7	1979.6	1984.7	1999.8	2016.0	2025.0
15.5°	1974.0	1953.6	1958.7	1974.9	1990.4	2001.0
16°	1948.6	1927.9	1933.5	1948.9	1965.0	1977.3
16.5°	1922.9	1903.3	1908.3	1924.0	1941.0	1953.6
17°	1898.2	1877.6	1882.8	1899.4	1915.9	1929.4
17.5°	1873.7	1852.5	1858.6	1874.2	1891.5	1904.5
18°	1849.3	1827.2	1833.3	1849.5	1866.2	1879.7
18.5°	1824.2	1802.3	1808.4	1825.2	1841.5	1855.2
19°	1800.5	1777.6	1784.6	1800.7	1816.3	1830.7
19.5°	1777.4	1752.3	1760.3	1776.7	1792.1	1806.4
20°	1754.3	1728.7	1737.0	1752.6	1767.1	1781.7
20.5°	1731.2	1704.1	1712.8	1729.3	1742.9	1757.3
21°	1708.2	1680.6	1689.0	1704.6	1718.2	1732.6
21.5°	1685.1	1656.2	1665.2	1680.5	1693.2	1708.2
22°	1661.3	1632.3	1641.3	1656.0	1668.9	1682.5

TEST NUMBER: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1636.8	1607.5	1616.2	1631.5	1642.9	1656.7
23°	1610.0	1581.0	1589.2	1605.0	1615.4	1628.7
23.5°	1581.1	1552.3	1561.1	1576.9	1587.9	1600.8
24°	1551.7	1521.4	1531.1	1546.8	1558.0	1571.3
24.5°	1521.2	1487.5	1499.9	1514.5	1526.5	1541.4
25°	1489.3	1455.6	1467.3	1481.3	1493.5	1510.2
25.5°	1455.8	1422.9	1434.3	1446.6	1460.5	1479.5
26°	1422.3	1390.5	1400.8	1410.9	1426.5	1448.4
26.5°	1387.6	1356.7	1366.7	1375.1	1391.7	1418.2
27°	1351.7	1324.8	1332.3	1338.7	1355.3	1385.5
27.5°	1315.5	1292.1	1296.7	1302.3	1319.8	1353.4
28°	1278.4	1258.4	1261.1	1266.5	1286.0	1320.1
28.5°	1241.8	1224.5	1226.2	1230.9	1252.2	1286.7
29°	1206.3	1190.1	1191.2	1196.4	1219.1	1251.6
29.5°	1171.3	1154.4	1156.1	1162.2	1186.4	1217.3
30°	1136.4	1118.5	1120.1	1128.7	1154.4	1180.7
30.5°	1101.4	1081.1	1084.2	1094.9	1121.3	1145.5
31°	1067.5	1045.6	1048.5	1061.1	1088.4	1110.2
31.5°	1033.3	1008.9	1013.3	1027.4	1054.8	1075.3
32°	999.9	973.4	978.5	993.4	1020.2	1040.0
32.5°	966.5	938.5	944.2	959.5	985.7	1006.0
33°	933.1	904.2	910.9	925.5	950.9	971.9
33.5°	899.3	869.2	878.2	890.7	915.6	937.5
34°	866.2	830.7	847.4	857.7	880.3	903.6
34.5°	833.1	799.7	815.4	826.2	846.4	869.3
35°	801.2	768.8	783.3	794.7	814.2	829.2
35.5°	769.0	737.9	751.3	763.3	782.1	797.4
36°	738.4	707.0	719.2	731.8	750.0	765.7
36.5°	707.4	677.1	687.2	700.3	717.9	733.9
37°	676.9	647.5	656.7	670.7	685.8	702.1
37.5°	646.9	618.7	626.7	641.4	655.9	669.2
38°	617.7	591.3	597.1	613.2	626.4	637.0
38.5°	589.3	564.2	568.4	584.4	596.6	605.7
39°	561.6	538.1	542.3	556.6	567.9	575.8
39.5°	534.1	511.5	515.7	528.3	539.0	546.1
40°	506.8	485.6	489.8	501.1	510.3	517.3
40.5°	481.0	461.1	464.7	473.9	481.5	489.9
41°	455.6	437.4	440.8	447.6	454.6	463.2
41.5°	431.1	414.4	417.3	422.4	427.5	437.0
42°	407.2	392.2	394.3	397.9	402.1	412.4
42.5°	383.6	370.9	372.2	373.1	377.1	388.5
43°	361.2	350.4	350.5	350.9	353.8	365.2
43.5°	339.5	330.2	329.8	327.8	330.8	342.3
44°	319.0	310.8	309.9	306.1	308.9	321.1
44.5°	299.0	291.9	290.8	284.7	287.5	300.2

TEST NUMBER: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	279.7	273.8	272.1	264.6	267.0	280.1
45.5°	261.2	256.4	254.6	245.1	247.8	260.7
46°	243.5	239.9	237.8	226.7	229.4	242.9
46.5°	226.9	223.6	221.5	209.3	211.6	225.1
47°	211.6	208.1	205.8	193.2	194.9	208.6
47.5°	196.4	193.2	190.8	178.2	179.6	192.4
48°	181.1	178.8	176.5	164.1	165.4	177.7
48.5°	165.9	165.4	162.9	151.3	152.2	163.1
49°	152.5	152.4	150.0	139.5	139.4	149.7
49.5°	139.8	140.0	137.7	128.5	128.4	137.0
50°	128.2	128.1	125.7	118.1	117.7	124.6
50.5°	116.9	116.7	114.7	108.3	107.8	112.8
51°	106.4	105.9	104.3	99.0	98.1	102.1
51.5°	96.5	95.6	94.4	90.2	89.4	91.7
52°	87.2	86.0	85.0	81.6	81.7	82.1
52.5°	78.2	77.8	77.1	74.0	73.8	73.8
53°	69.7	69.7	69.2	66.4	65.9	65.5
53.5°	61.9	61.6	61.3	58.8	58.1	57.2
54°	54.2	53.4	53.4	51.2	50.2	48.9
54.5°	47.1	45.3	45.5	44.7	43.5	42.2
55°	40.8	39.1	39.4	38.8	37.5	36.3
55.5°	35.3	33.7	34.1	33.4	32.4	30.9
56°	29.9	28.2	28.6	28.1	27.0	25.6
56.5°	26.3	23.2	23.7	23.1	22.1	20.7
57°	22.8	19.1	19.4	18.9	17.9	16.8
57.5°	19.2	15.9	16.3	15.8	14.9	13.8
58°	15.7	13.6	13.9	13.4	12.6	11.7
58.5°	12.2	11.7	12.1	11.7	10.9	10.1
59°	10.5	10.3	10.6	10.2	9.5	8.9
59.5°	9.3	9.2	9.5	9.1	8.4	8.1
60°	8.3	8.5	8.5	8.4	7.7	7.4
60.5°	7.5	7.8	7.9	7.8	7.1	6.6
61°	6.8	7.1	7.2	7.1	6.4	5.9
61.5°	6.2	6.5	6.6	6.4	5.8	5.4
62°	5.6	5.8	6.0	5.8	5.3	4.9
62.5°	5.2	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	4.6	4.7	4.5	4.1	3.8
64°	4.0	4.2	4.4	4.2	3.8	3.5
64.5°	3.7	3.9	4.1	3.9	3.5	3.3
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	3.3	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: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

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	2.4	2.4	2.3	2.1	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	1.8	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°	1.2	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	1.0	1.0	0.9	0.8	0.7
74.5°	0.8	0.9	0.9	0.9	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	0.6
76°	0.6	0.7	0.7	0.7	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	0.5	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	0.2	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: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

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: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

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°	0.3	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	0.3	0.3	0.2	0.2	0.2
133°	0.3	0.3	0.3	0.3	0.3	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: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

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	0.4	0.4	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	0.5	0.4	0.4
144.5°	0.7	0.5	0.5	0.5	0.5	0.5
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°	0.9	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	0.6	0.6	0.6	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°	1.1	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: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

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°	1.2	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	0.7	0.7	0.7
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	0.7	0.7	0.7	0.7
163.5°	1.3	0.6	0.7	0.7	0.7	0.7
164°	1.3	0.6	0.7	0.7	0.7	0.7
164.5°	1.3	0.6	0.7	0.7	0.7	0.7
165°	1.3	0.6	0.7	0.7	0.7	0.7
165.5°	1.3	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	0.7	0.7	0.7	0.7
170.5°	1.2	0.6	0.7	0.7	0.7	0.7
171°	1.1	0.6	0.7	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	0.7	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°	1.0	0.8	0.8	0.8	0.8	0.8
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: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

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: P1590466

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-5000K

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	5.6	6.6	6.9	6.2	7.2	6.6	7.6	7.9
	3H	5.1	6.0	5.5	6.4	6.7	6.1	7.0	6.5	7.4	7.8
	4H	5.1	5.9	5.5	6.3	6.6	6.1	6.9	6.5	7.3	7.7
	6H	5.0	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	6.4	7.0	7.4
	12H	4.8	5.5	5.3	5.9	6.4	5.9	6.5	6.3	6.9	7.4
4H	2H	5.0	5.9	5.4	6.2	6.6	6.0	6.8	6.4	7.2	7.6
	3H	5.0	5.7	5.4	6.1	6.5	6.0	6.6	6.4	7.0	7.5
	4H	4.9	5.5	5.3	5.9	6.4	5.9	6.5	6.3	6.9	7.4
	6H	4.8	5.3	5.3	5.8	6.2	5.8	6.3	6.3	6.7	7.2
	8H	4.7	5.2	5.2	5.7	6.1	5.7	6.2	6.2	6.6	7.1
	12H	4.7	5.1	5.2	5.6	6.0	5.6	6.1	6.1	6.6	7.0
8H	4H	4.7	5.2	5.2	5.7	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	4.6	4.9	5.1	5.4	5.9	5.5	5.9	6.1	6.4	6.9
	12H	4.5	4.8	5.0	5.3	5.9	5.5	5.8	6.0	6.3	6.9
12H	4H	4.7	5.1	5.2	5.6	6.1	5.6	6.1	6.1	6.6	7.0
	6H	4.6	4.9	5.1	5.4	5.9	5.5	5.9	6.1	6.4	6.9
	8H	4.5	4.8	5.0	5.3	5.9	5.5	5.8	6.0	6.3	6.9

(END OF REPORT)