

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: P1590464

Luminaire Tested: HCDLS1525CSD4TRC-ME-3500K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590464
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-3500K
Description: 4" Selectable Round Trim + Specular Clear 2000 Lumens 3500K

Light Source:
Ballast/Driver: -

Summary

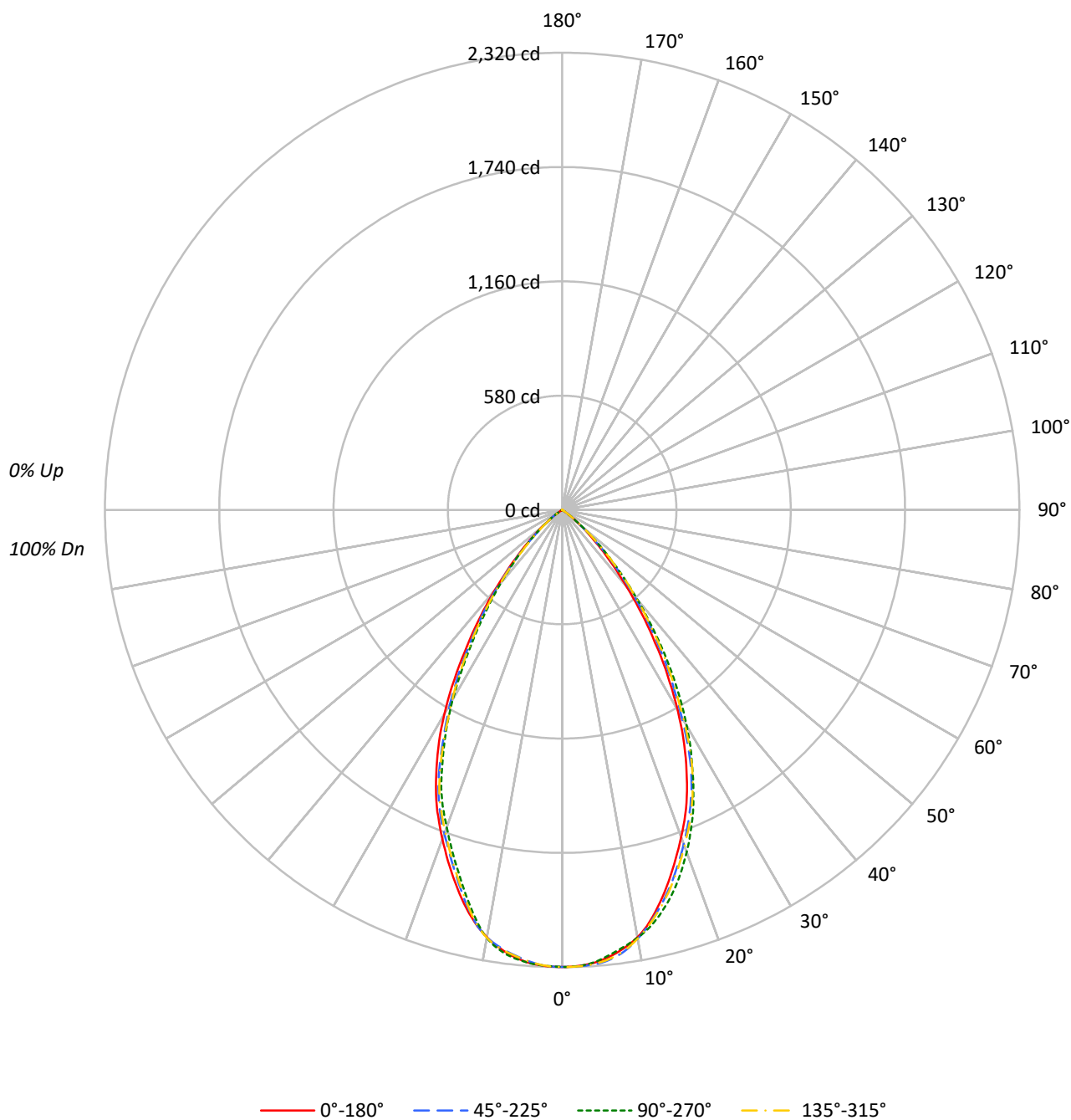
Lumens per Lamp: N/A
Luminaire Lumens: 2267.4 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	113	110	108	106	111	108	106	104	104	102	101	100	99	98	97	96	95	93		93
2	107	102	98	95	105	101	97	94	97	94	91	94	92	90	92	89	88	86		86
3	102	95	90	86	100	94	89	85	91	87	84	88	85	82	86	83	81	79		79
4	96	88	82	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73		73
5	91	82	76	72	89	81	76	71	79	74	71	78	73	70	76	72	69	68		68
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63		63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	67	63	60	58		58
8	77	67	61	57	76	67	61	57	66	60	56	65	60	56	64	59	56	55		55
9	73	63	57	53	72	63	57	53	62	56	53	61	56	53	60	56	52	51		51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48		48

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	285989	285989	285989	285989
5°	283862	283256	284184	284568
10°	275722	276073	275659	276022
15°	256300	263502	257181	250554
20°	231795	242453	233291	224917
25°	203723	214421	206159	196347
30°	166683	180071	170286	157895
35°	123759	139314	126379	114740
40°	82553	95917	85854	77497
45°	48424	58088	51232	47342
50°	23699	27172	25387	24351
55°	7720	8193	8236	8344
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: 58088 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.2	9.5
10°-20°	561.5	24.8
20°-30°	686.0	30.3
30°-40°	522.6	23.0
40°-50°	233.0	10.3
50°-60°	42.2	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°	1463.7	64.6
0°-40°	1986.3	87.6
0°-60°	2261.5	99.7
0°-90°	2266.0	99.9
90°-120°	0.0	0.0
90°-150°	0.7	0.0
90°-180°	1.0	0.0
0°-180°	2267.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2319	2319	2319	2319	2319	
5°	2293	2288	2295	2298	2293	216
15°	2007	2064	2014	1962	2007	560
25°	1497	1576	1515	1443	1497	680
35°	822	925	839	762	822	513
45°	278	333	294	271	278	221
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°	2318.6	2318.6	2318.6	2318.6	2318.6	2318.6	2318.6	2318.6	2318.6	2318.6	2318.6
0.5°	2319.0	2318.2	2318.4	2319.0	2318.2	2318.4	2319.5	2319.0	2319.0	2318.2	2318.2
1°	2318.0	2318.0	2318.4	2319.0	2318.2	2318.4	2318.8	2318.8	2318.2	2317.4	2317.4
1.5°	2316.8	2317.2	2318.0	2318.2	2317.4	2318.0	2318.2	2318.0	2317.4	2316.2	2316.2
2°	2315.2	2316.0	2317.4	2317.2	2316.0	2316.6	2317.4	2317.2	2315.8	2314.0	2314.4
2.5°	2313.1	2315.2	2316.4	2315.4	2314.0	2314.6	2316.6	2316.0	2313.8	2311.5	2311.9
3°	2310.9	2314.0	2315.0	2312.9	2310.9	2312.1	2314.6	2314.6	2311.5	2308.0	2308.5
3.5°	2307.2	2312.5	2313.3	2309.9	2306.8	2308.9	2312.3	2312.5	2308.9	2303.8	2304.2
4°	2303.2	2310.5	2311.7	2305.8	2301.3	2304.4	2310.1	2310.5	2305.0	2298.5	2299.1
4.5°	2298.1	2307.6	2309.1	2300.7	2294.8	2298.9	2306.6	2307.6	2300.7	2292.4	2293.4
5°	2292.6	2304.2	2305.0	2294.4	2287.7	2292.2	2302.3	2304.4	2295.2	2285.7	2287.1
5.5°	2286.3	2299.5	2300.5	2287.9	2279.9	2285.2	2297.3	2299.9	2289.5	2278.3	2280.6
6°	2279.7	2293.8	2295.0	2280.4	2271.8	2277.5	2291.6	2294.6	2282.6	2270.8	2273.4
6.5°	2272.2	2287.3	2288.7	2272.8	2263.5	2269.6	2284.8	2288.3	2274.9	2263.0	2266.3
7°	2264.3	2279.3	2280.8	2264.7	2255.3	2261.4	2277.1	2280.8	2266.5	2254.7	2259.0
7.5°	2255.5	2270.4	2271.8	2255.9	2247.2	2252.7	2268.5	2272.0	2258.2	2246.4	2251.0
8°	2246.8	2260.6	2261.6	2246.4	2238.8	2243.7	2258.8	2261.6	2248.2	2237.8	2242.9
8.5°	2236.6	2249.4	2250.4	2236.4	2230.5	2234.9	2247.8	2250.8	2237.6	2228.2	2233.9
9°	2225.8	2237.0	2237.8	2226.0	2221.9	2225.0	2235.6	2238.2	2226.4	2218.5	2224.2
9.5°	2213.8	2223.3	2224.4	2214.8	2213.4	2214.6	2222.7	2224.4	2214.6	2207.7	2213.6
10°	2201.4	2208.9	2209.7	2202.8	2204.2	2203.4	2208.7	2209.7	2200.9	2196.3	2201.6
10.5°	2187.5	2193.2	2194.0	2189.9	2194.2	2192.0	2194.0	2193.6	2186.5	2182.6	2187.3
11°	2172.0	2176.7	2177.5	2176.3	2183.2	2179.4	2178.3	2177.5	2171.4	2168.4	2171.6
11.5°	2155.1	2158.8	2160.8	2162.1	2171.4	2166.3	2162.3	2160.4	2155.1	2152.5	2154.1
12°	2136.2	2140.3	2143.3	2146.2	2159.0	2152.3	2146.0	2142.7	2137.8	2134.0	2133.7
12.5°	2116.6	2121.1	2124.6	2130.9	2144.7	2136.8	2128.9	2124.4	2118.3	2114.0	2110.9
13°	2096.1	2101.8	2106.3	2114.2	2130.5	2121.5	2111.1	2104.8	2099.7	2093.2	2088.7
13.5°	2074.7	2081.2	2087.3	2097.5	2114.8	2105.9	2093.0	2085.9	2079.2	2071.2	2065.3
14°	2052.5	2060.2	2068.2	2079.4	2098.1	2088.5	2074.5	2065.5	2058.4	2048.6	2040.9
14.5°	2030.2	2039.1	2048.6	2061.5	2081.0	2071.0	2054.9	2045.4	2036.0	2025.2	2016.3
15°	2007.1	2017.5	2028.1	2042.5	2063.5	2052.3	2036.2	2024.7	2014.0	2001.5	1990.8
15.5°	1983.3	1995.3	2007.7	2022.8	2045.2	2033.4	2015.7	2003.4	1991.6	1977.6	1965.4
16°	1959.9	1972.6	1986.3	2001.6	2025.5	2013.4	1995.1	1981.2	1968.4	1952.6	1940.3
16.5°	1936.4	1950.3	1964.8	1981.3	2005.7	1992.9	1973.2	1958.8	1944.9	1928.1	1915.5
17°	1912.3	1927.6	1942.9	1960.0	1985.0	1971.7	1951.3	1936.1	1921.0	1903.7	1890.7
17.5°	1887.7	1904.4	1920.0	1938.0	1963.7	1950.1	1929.4	1912.4	1897.0	1879.2	1866.0
18°	1863.1	1880.6	1896.9	1915.1	1941.0	1928.2	1906.3	1889.2	1873.4	1854.9	1841.5
18.5°	1838.8	1856.6	1873.9	1892.2	1918.5	1905.2	1883.4	1866.2	1849.4	1830.5	1817.5
19°	1814.5	1832.6	1851.2	1869.1	1894.8	1882.1	1860.8	1842.7	1824.6	1806.8	1793.3
19.5°	1790.4	1808.8	1828.1	1845.6	1871.7	1858.8	1837.9	1818.5	1800.8	1783.2	1771.8
20°	1765.9	1784.5	1804.7	1822.0	1847.1	1835.6	1815.0	1795.6	1777.3	1759.5	1748.6
20.5°	1741.8	1761.0	1781.1	1798.2	1823.1	1811.9	1791.4	1773.0	1752.8	1735.9	1725.5
21°	1717.3	1736.3	1757.0	1773.7	1798.4	1787.1	1768.0	1749.4	1728.2	1712.3	1702.3
21.5°	1693.1	1712.1	1733.4	1748.9	1772.1	1761.5	1744.6	1725.8	1703.6	1688.6	1679.1
22°	1667.7	1686.9	1708.5	1722.9	1745.8	1735.9	1721.2	1702.2	1679.0	1665.0	1653.6

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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°	1642.1	1662.5	1683.8	1697.9	1719.5	1710.3	1697.8	1678.6	1656.5	1638.8	1628.4
23°	1614.3	1636.2	1658.7	1669.9	1693.2	1684.7	1674.4	1652.5	1629.7	1611.0	1602.1
23.5°	1586.7	1610.2	1633.2	1643.7	1666.8	1659.1	1647.8	1626.8	1602.0	1583.0	1574.1
24°	1557.4	1583.0	1606.3	1614.5	1636.2	1630.4	1621.9	1600.3	1573.3	1554.4	1543.8
24.5°	1527.8	1554.8	1580.3	1586.5	1606.4	1601.8	1595.2	1572.8	1544.3	1523.9	1512.3
25°	1496.9	1525.6	1552.5	1556.1	1575.5	1572.3	1567.6	1545.0	1514.8	1492.9	1479.6
25.5°	1466.5	1496.6	1524.3	1527.3	1545.3	1542.6	1539.1	1516.7	1485.0	1461.0	1445.4
26°	1435.6	1466.1	1494.8	1496.7	1515.0	1512.4	1510.1	1487.3	1455.0	1429.0	1409.4
26.5°	1405.6	1435.4	1464.7	1465.9	1484.2	1481.7	1479.7	1456.3	1423.9	1396.2	1373.4
27°	1373.3	1404.1	1431.9	1434.9	1453.2	1450.5	1448.2	1425.1	1393.2	1362.8	1337.9
27.5°	1341.5	1372.6	1398.0	1403.3	1423.3	1419.9	1415.9	1393.2	1362.4	1328.4	1303.5
28°	1308.5	1340.6	1362.9	1371.3	1392.5	1388.8	1381.0	1360.3	1330.2	1294.8	1269.4
28.5°	1275.3	1305.9	1326.3	1338.2	1361.5	1356.5	1346.4	1326.4	1297.6	1260.3	1235.1
29°	1240.5	1272.9	1289.4	1305.2	1330.1	1324.9	1310.3	1291.4	1264.2	1226.7	1202.6
29.5°	1206.5	1238.3	1251.1	1272.0	1298.0	1292.0	1273.4	1255.2	1230.1	1193.4	1169.9
30°	1170.3	1202.3	1213.8	1237.5	1264.3	1258.7	1234.9	1217.8	1195.6	1160.0	1137.0
30.5°	1135.4	1164.8	1176.9	1201.6	1230.7	1223.8	1197.3	1180.1	1159.7	1126.3	1103.8
31°	1100.4	1128.6	1141.1	1166.1	1196.8	1189.5	1160.9	1142.4	1124.7	1093.6	1069.9
31.5°	1065.8	1090.4	1106.2	1130.3	1162.9	1154.3	1125.3	1104.6	1088.4	1060.8	1036.0
32°	1030.9	1053.4	1072.4	1094.0	1128.7	1118.6	1091.1	1068.3	1054.0	1028.3	1001.6
32.5°	997.2	1015.6	1038.6	1058.4	1095.5	1083.3	1056.9	1032.8	1016.8	995.1	967.5
33°	963.3	981.0	1006.2	1023.0	1062.2	1047.1	1024.7	997.9	980.5	962.8	932.9
33.5°	929.2	944.2	973.2	987.4	1028.4	1011.6	991.9	964.1	944.2	929.2	898.0
34°	895.7	910.8	940.6	954.0	993.9	977.0	959.6	930.9	909.3	895.8	865.3
34.5°	861.6	876.0	906.8	920.7	959.5	942.9	927.2	898.3	873.4	861.9	831.9
35°	821.9	842.5	873.3	888.4	925.2	909.5	894.6	866.6	839.3	827.3	800.8
35.5°	790.4	810.4	840.9	856.9	891.0	876.5	861.5	833.6	806.0	793.5	770.4
36°	758.9	778.2	809.0	826.7	856.1	844.4	828.8	800.7	774.2	760.4	740.6
36.5°	727.4	746.0	777.2	795.3	821.9	811.7	796.1	768.2	741.1	727.6	710.5
37°	695.9	713.9	745.3	763.8	787.8	780.1	763.7	735.9	709.7	695.7	681.9
37.5°	663.3	681.7	713.4	732.4	754.3	748.8	731.8	703.2	679.0	663.9	652.5
38°	631.3	652.5	681.5	701.0	721.7	717.9	701.8	672.1	648.8	633.8	623.7
38.5°	600.4	622.6	652.1	670.0	688.8	686.7	671.6	641.7	618.8	604.3	594.4
39°	570.8	594.2	623.8	640.1	657.2	657.6	643.1	612.1	590.1	575.5	566.2
39.5°	541.3	565.5	594.7	610.2	626.1	627.0	614.7	583.8	561.4	546.2	538.1
40°	512.7	538.2	566.5	580.7	595.7	598.0	586.6	556.7	533.2	517.9	510.6
40.5°	485.6	511.9	538.9	552.0	566.3	567.6	558.5	529.4	505.3	490.2	483.4
41°	459.1	485.4	511.3	524.1	537.1	539.2	530.9	503.3	478.3	463.4	457.5
41.5°	433.1	459.5	483.4	496.7	509.3	510.6	503.5	477.8	452.3	437.1	432.7
42°	408.7	435.4	457.6	470.5	482.0	483.4	476.3	453.3	427.1	411.1	408.7
42.5°	385.1	411.0	431.5	444.3	455.7	455.9	449.2	428.4	402.8	386.7	384.3
43°	362.0	387.1	406.3	417.7	429.8	429.8	423.1	404.7	379.6	363.1	360.9
43.5°	339.3	363.0	381.5	392.1	404.3	403.7	397.6	381.0	356.3	340.3	337.3
44°	318.3	340.3	358.7	367.0	379.5	379.3	373.2	358.4	334.9	318.8	315.7
44.5°	297.6	318.2	335.8	342.5	355.7	354.7	349.1	335.6	313.8	298.0	293.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	277.6	297.3	313.9	318.9	333.0	331.5	326.3	314.0	293.7	277.9	272.1
45.5°	258.4	276.5	292.8	295.5	310.1	308.1	304.2	293.0	274.2	258.7	251.4
46°	240.8	257.0	272.0	273.5	288.5	286.3	282.7	272.7	255.0	240.5	233.1
46.5°	223.1	237.6	251.5	252.2	267.0	264.4	262.2	252.6	237.3	224.7	216.5
47°	206.7	220.3	231.9	232.2	247.3	243.8	241.8	233.7	221.5	208.8	200.1
47.5°	190.7	202.6	212.9	212.7	229.3	226.0	224.0	216.9	205.7	193.0	183.6
48°	176.1	186.6	194.8	194.6	211.2	208.1	206.3	200.2	190.0	177.1	167.1
48.5°	161.7	170.4	177.4	177.4	193.2	190.2	188.6	183.4	174.3	161.3	153.7
49°	148.4	156.0	160.8	161.4	175.1	172.3	170.9	166.7	158.6	148.0	141.4
49.5°	135.8	142.1	145.0	146.3	157.2	154.5	153.2	150.1	145.1	135.4	130.1
50°	123.5	128.9	130.3	131.8	141.6	139.7	138.3	136.1	132.3	123.8	119.6
50.5°	111.8	115.8	116.7	118.1	126.9	125.6	124.4	122.8	120.1	112.8	109.6
51°	101.2	104.3	104.3	105.6	113.5	112.8	111.5	110.3	108.4	102.6	100.2
51.5°	90.9	93.2	92.6	93.8	100.8	100.5	99.7	98.6	97.7	93.0	91.4
52°	81.4	83.0	82.1	83.1	89.1	89.2	88.4	87.8	87.1	83.7	82.9
52.5°	73.1	74.6	73.8	74.6	78.3	78.6	78.0	77.6	77.3	75.0	74.6
53°	64.9	66.2	65.5	66.0	68.4	69.0	68.5	68.1	68.0	66.6	66.6
53.5°	56.7	57.8	57.1	57.5	59.2	59.9	59.7	59.3	59.6	58.7	59.1
54°	48.5	49.5	48.8	49.0	51.2	51.9	51.8	51.2	51.6	51.3	51.9
54.5°	41.9	41.1	40.5	40.5	44.1	44.8	44.8	44.0	44.5	44.5	45.3
55°	35.9	35.3	34.7	34.8	38.1	38.8	38.7	38.1	38.3	38.4	39.2
55.5°	30.6	29.8	29.3	29.2	32.6	33.2	33.1	32.5	32.7	33.0	33.7
56°	25.3	24.5	24.0	23.9	27.2	27.6	27.5	29.0	28.6	29.3	28.3
56.5°	20.5	19.8	19.4	19.4	24.0	24.4	24.4	25.4	24.6	25.6	24.8
57°	16.6	16.0	15.7	15.9	20.9	21.2	21.2	21.9	20.6	21.9	21.5
57.5°	13.7	13.3	13.1	13.3	17.7	18.1	18.1	18.3	16.7	18.2	18.1
58°	11.6	11.2	11.1	11.4	14.6	15.0	14.9	14.8	12.7	14.6	14.8
58.5°	10.0	9.7	9.6	9.9	11.4	11.9	11.8	11.2	10.9	10.9	11.4
59°	8.8	8.5	8.5	8.7	10.1	10.5	10.3	9.8	9.6	9.5	9.8
59.5°	8.0	7.8	7.8	8.0	9.0	9.4	9.2	8.8	8.5	8.4	8.7
60°	7.3	7.1	7.1	7.3	8.1	8.4	8.3	7.8	7.6	7.5	7.7
60.5°	6.6	6.4	6.4	6.6	7.3	7.6	7.5	7.1	6.8	6.7	6.9
61°	5.8	5.7	5.7	5.9	6.6	6.9	6.8	6.4	6.1	6.1	6.3
61.5°	5.3	5.2	5.2	5.4	6.1	6.3	6.2	5.8	5.6	5.5	5.7
62°	4.9	4.7	4.7	4.9	5.6	5.8	5.7	5.3	5.1	5.0	5.2
62.5°	4.5	4.3	4.4	4.6	5.1	5.3	5.2	4.9	4.7	4.6	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	3.9	4.1
64°	3.5	3.4	3.4	3.6	4.0	4.2	4.1	3.9	3.7	3.6	3.8
64.5°	3.2	3.2	3.2	3.3	3.8	3.9	3.8	3.6	3.4	3.4	3.5
65°	3.0	2.9	2.9	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	3.2	3.4	3.3	3.1	2.9	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	2.9	2.9	2.7	2.5	2.5	2.6
67°	2.2	2.2	2.2	2.3	2.6	2.7	2.7	2.5	2.4	2.3	2.4

TEST NUMBER: P1590464

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	2.0	2.0	2.0	2.1	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	2.0	2.0	2.1
68.5°	1.8	1.7	1.8	1.9	2.1	2.2	2.1	2.0	1.9	1.9	1.9
69°	1.6	1.6	1.6	1.7	2.0	2.1	2.0	1.8	1.8	1.7	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	1.4
71°	1.2	1.2	1.2	1.3	1.5	1.5	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: P1590464

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-3500K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1590464

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.1	0.0	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: P1590464

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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	0.4	0.5	0.5
138.5°	0.3	0.3	0.3	0.3	0.4	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	0.3	0.3	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	0.5	0.6
141°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	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	0.6	0.7
143.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	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	0.7
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°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
151.5°	0.6	0.5	0.5	0.5	0.9	0.9	0.9	0.9	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	0.5	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	1.0	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	1.0	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: P1590464

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-3500K

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	1.1
158.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	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°	0.6	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	0.6	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	1.2	1.2	1.2
163.5°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
164°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
164.5°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
165°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
165.5°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	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	1.1	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	1.1	1.1
171°	0.7	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
171.5°	0.7	0.6	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	1.0
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	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
175.5°	0.7	0.7	0.6	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	0.9	1.0	1.0	1.0	1.0	0.9
178°	0.8	0.8	0.8	0.7	0.9	0.9	1.0	1.0	0.9	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°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P1590464

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-3500K

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: P1590464

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2318.6	2318.6	2318.6	2318.6	2318.6	2318.6
0.5°	2318.8	2317.2	2318.0	2318.8	2318.6	2319.0
1°	2318.2	2316.6	2317.4	2317.8	2317.6	2318.0
1.5°	2317.2	2315.6	2316.6	2316.4	2316.0	2316.8
2°	2316.0	2314.4	2314.8	2314.0	2313.8	2315.2
2.5°	2313.8	2312.9	2312.9	2311.5	2311.3	2313.1
3°	2311.7	2311.5	2310.9	2308.0	2307.2	2310.9
3.5°	2308.7	2309.1	2307.8	2304.0	2302.6	2307.2
4°	2305.2	2306.0	2304.4	2299.1	2297.5	2303.2
4.5°	2300.5	2302.6	2300.3	2293.8	2291.8	2298.1
5°	2295.6	2298.3	2295.8	2287.7	2285.2	2292.6
5.5°	2290.5	2293.6	2290.7	2281.6	2278.5	2286.3
6°	2284.6	2288.1	2285.2	2275.3	2271.2	2279.7
6.5°	2278.1	2282.2	2278.9	2268.8	2264.5	2272.2
7°	2271.2	2274.7	2272.2	2261.8	2256.7	2264.3
7.5°	2263.7	2266.7	2264.1	2254.9	2249.4	2255.5
8°	2255.1	2257.3	2255.3	2246.4	2241.3	2246.8
8.5°	2246.1	2246.8	2245.1	2238.0	2232.7	2236.6
9°	2235.4	2234.1	2233.7	2227.8	2223.1	2225.8
9.5°	2223.5	2220.3	2220.5	2216.8	2212.6	2213.8
10°	2209.7	2203.8	2205.2	2203.4	2200.9	2201.4
10.5°	2193.8	2185.7	2187.5	2189.1	2187.9	2187.5
11°	2176.1	2165.1	2168.0	2172.0	2173.0	2172.0
11.5°	2155.1	2142.1	2145.8	2152.7	2156.1	2155.1
12°	2132.9	2117.5	2122.1	2130.7	2136.4	2136.2
12.5°	2109.1	2093.0	2097.5	2108.1	2115.2	2116.6
13°	2084.9	2067.2	2071.8	2083.9	2093.8	2096.1
13.5°	2059.8	2042.1	2046.2	2059.0	2071.0	2074.7
14°	2034.3	2015.4	2020.1	2033.6	2047.0	2052.5
14.5°	2008.1	1989.2	1994.0	2008.5	2022.8	2030.2
15°	1982.1	1962.1	1967.2	1982.1	1998.2	2007.1
15.5°	1956.6	1936.4	1941.4	1957.4	1972.8	1983.3
16°	1931.4	1910.8	1916.4	1931.7	1947.7	1959.9
16.5°	1905.9	1886.5	1891.5	1907.1	1923.9	1936.4
17°	1881.4	1861.0	1866.1	1882.6	1898.9	1912.3
17.5°	1857.2	1836.1	1842.2	1857.7	1874.8	1887.7
18°	1833.0	1811.1	1817.2	1833.1	1849.7	1863.1
18.5°	1808.1	1786.4	1792.4	1809.1	1825.2	1838.8
19°	1784.6	1761.9	1768.8	1784.8	1800.3	1814.5
19.5°	1761.7	1736.9	1744.8	1761.0	1776.2	1790.4
20°	1738.8	1713.5	1721.7	1737.1	1751.5	1765.9
20.5°	1716.0	1689.0	1697.7	1714.0	1727.5	1741.8
21°	1693.1	1665.8	1674.1	1689.6	1703.0	1717.3
21.5°	1670.2	1641.6	1650.5	1665.7	1678.3	1693.1
22°	1646.7	1617.9	1626.9	1641.4	1654.2	1667.7

TEST NUMBER: P1590464

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1622.4	1593.3	1602.0	1617.1	1628.4	1642.1
23°	1595.8	1567.0	1575.2	1590.8	1601.2	1614.3
23.5°	1567.1	1538.6	1547.3	1562.9	1573.9	1586.7
24°	1538.0	1507.9	1517.6	1533.1	1544.2	1557.4
24.5°	1507.8	1474.4	1486.7	1501.2	1513.0	1527.8
25°	1476.1	1442.7	1454.4	1468.2	1480.3	1496.9
25.5°	1443.0	1410.3	1421.6	1433.8	1447.6	1466.5
26°	1409.8	1378.2	1388.4	1398.5	1413.9	1435.6
26.5°	1375.3	1344.7	1354.7	1362.9	1379.4	1405.6
27°	1339.8	1313.1	1320.6	1326.9	1343.3	1373.3
27.5°	1303.9	1280.7	1285.2	1290.8	1308.1	1341.5
28°	1267.1	1247.2	1250.0	1255.3	1274.7	1308.5
28.5°	1230.8	1213.6	1215.4	1220.1	1241.2	1275.3
29°	1195.6	1179.6	1180.7	1185.8	1208.3	1240.5
29.5°	1160.9	1144.3	1145.9	1151.9	1176.0	1206.5
30°	1126.4	1108.6	1110.2	1118.7	1144.2	1170.3
30.5°	1091.7	1071.6	1074.7	1085.2	1111.4	1135.4
31°	1058.1	1036.3	1039.2	1051.7	1078.8	1100.4
31.5°	1024.2	1000.0	1004.3	1018.3	1045.5	1065.8
32°	991.0	964.8	969.9	984.6	1011.2	1030.9
32.5°	958.0	930.2	935.9	951.0	977.0	997.2
33°	924.8	896.3	902.8	917.3	942.5	963.3
33.5°	891.3	861.5	870.5	882.8	907.5	929.2
34°	858.5	823.3	839.9	850.1	872.5	895.7
34.5°	825.7	792.7	808.2	818.9	838.9	861.6
35°	794.1	762.0	776.4	787.7	807.0	821.9
35.5°	762.2	731.4	744.6	756.5	775.2	790.4
36°	731.8	700.7	712.9	725.3	743.4	758.9
36.5°	701.1	671.1	681.1	694.1	711.5	727.4
37°	670.9	641.8	650.9	664.8	679.7	695.9
37.5°	641.2	613.3	621.2	635.7	650.1	663.3
38°	612.2	586.1	591.8	607.8	620.9	631.3
38.5°	584.1	559.2	563.3	579.3	591.3	600.4
39°	556.6	533.3	537.5	551.7	562.9	570.8
39.5°	529.4	507.0	511.2	523.6	534.2	541.3
40°	502.4	481.3	485.4	496.6	505.8	512.7
40.5°	476.8	457.0	460.6	469.7	477.3	485.6
41°	451.6	433.5	437.0	443.7	450.6	459.1
41.5°	427.3	410.7	413.6	418.6	423.8	433.1
42°	403.6	388.8	390.9	394.4	398.6	408.7
42.5°	380.2	367.7	368.9	369.8	373.8	385.1
43°	358.0	347.3	347.4	347.8	350.7	362.0
43.5°	336.5	327.3	326.9	324.9	327.9	339.3
44°	316.1	308.0	307.1	303.4	306.2	318.3
44.5°	296.4	289.3	288.2	282.2	284.9	297.6

TEST NUMBER: P1590464

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	277.2	271.4	269.7	262.3	264.6	277.6
45.5°	258.9	254.2	252.3	243.0	245.6	258.4
46°	241.4	237.8	235.7	224.7	227.3	240.8
46.5°	224.9	221.7	219.5	207.4	209.7	223.1
47°	209.7	206.2	204.0	191.5	193.2	206.7
47.5°	194.6	191.5	189.1	176.6	178.0	190.7
48°	179.5	177.2	174.9	162.7	163.9	176.1
48.5°	164.4	164.0	161.5	150.0	150.8	161.7
49°	151.2	151.1	148.7	138.2	138.2	148.4
49.5°	138.5	138.7	136.5	127.4	127.3	135.8
50°	127.0	126.9	124.6	117.1	116.7	123.5
50.5°	115.9	115.6	113.7	107.3	106.8	111.8
51°	105.5	105.0	103.4	98.2	97.3	101.2
51.5°	95.7	94.7	93.6	89.4	88.6	90.9
52°	86.4	85.2	84.2	80.9	81.0	81.4
52.5°	77.5	77.1	76.4	73.3	73.2	73.1
53°	69.1	69.1	68.6	65.8	65.4	64.9
53.5°	61.3	61.0	60.8	58.3	57.5	56.7
54°	53.7	53.0	53.0	50.8	49.7	48.5
54.5°	46.7	44.9	45.1	44.3	43.1	41.9
55°	40.5	38.8	39.1	38.5	37.1	35.9
55.5°	35.0	33.4	33.8	33.1	32.1	30.6
56°	29.6	28.0	28.4	27.9	26.8	25.3
56.5°	26.1	23.0	23.5	22.9	21.9	20.5
57°	22.6	18.9	19.2	18.7	17.7	16.6
57.5°	19.1	15.8	16.1	15.6	14.7	13.7
58°	15.6	13.4	13.8	13.3	12.5	11.6
58.5°	12.1	11.6	12.0	11.6	10.8	10.0
59°	10.4	10.2	10.5	10.1	9.4	8.8
59.5°	9.2	9.1	9.4	9.0	8.3	8.0
60°	8.2	8.4	8.4	8.4	7.7	7.3
60.5°	7.4	7.7	7.8	7.7	7.0	6.6
61°	6.7	7.1	7.2	7.0	6.4	5.8
61.5°	6.1	6.4	6.6	6.4	5.7	5.3
62°	5.6	5.8	6.0	5.7	5.2	4.9
62.5°	5.1	5.3	5.5	5.2	4.8	4.5
63°	4.7	4.9	5.1	4.8	4.4	4.1
63.5°	4.3	4.5	4.7	4.5	4.1	3.8
64°	4.0	4.2	4.3	4.1	3.7	3.5
64.5°	3.7	3.9	4.0	3.8	3.5	3.2
65°	3.4	3.6	3.7	3.5	3.2	3.0
65.5°	3.2	3.3	3.5	3.3	3.0	2.8
66°	3.0	3.1	3.2	3.1	2.7	2.6
66.5°	2.8	2.9	3.0	2.8	2.6	2.4
67°	2.6	2.7	2.8	2.6	2.4	2.2

TEST NUMBER: P1590464

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	2.4	2.5	2.6	2.5	2.2	2.0
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°	1.5	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	1.3	1.3	1.1	1.0
72.5°	1.1	1.2	1.2	1.2	1.0	0.9
73°	1.1	1.1	1.2	1.1	0.9	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	0.5	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: P1590464

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-3500K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1590464

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	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: P1590464

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.4	0.3	0.3	0.3	0.3	0.3
135.5°	0.4	0.3	0.3	0.3	0.3	0.3
136°	0.4	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°	0.4	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	0.4	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	0.5	0.5	0.5
151°	0.9	0.5	0.6	0.6	0.6	0.5
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: P1590464

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-3500K

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	0.6	0.6
159.5°	1.2	0.6	0.6	0.6	0.7	0.6
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	0.6	0.7	0.7	0.7
164°	1.2	0.6	0.6	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	0.6	0.7	0.7	0.7
169.5°	1.2	0.6	0.6	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°	1.0	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	0.8



TEST NUMBER: P1590464

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-3500K

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: P1590464

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-3500K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	5.2	6.2	5.5	6.5	6.8	6.2	7.2	6.5	7.5	7.8
	3H	5.1	6.0	5.5	6.3	6.7	6.1	7.0	6.5	7.3	7.7
	4H	5.0	5.9	5.4	6.2	6.6	6.0	6.9	6.4	7.2	7.6
	6H	4.9	5.7	5.3	6.1	6.5	5.9	6.7	6.3	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	5.2	5.9	6.3	5.8	6.5	6.3	6.9	7.3
4H	2H	5.0	5.8	5.4	6.2	6.6	6.0	6.8	6.4	7.2	7.5
	3H	4.9	5.6	5.4	6.0	6.4	5.9	6.6	6.3	7.0	7.4
	4H	4.9	5.5	5.3	5.9	6.3	5.8	6.4	6.3	6.9	7.3
	6H	4.8	5.3	5.2	5.7	6.2	5.7	6.3	6.2	6.7	7.2
	8H	4.7	5.2	5.2	5.6	6.1	5.7	6.2	6.1	6.6	7.1
	12H	4.6	5.0	5.1	5.5	6.0	5.6	6.0	6.1	6.5	7.0
8H	4H	4.7	5.2	5.2	5.6	6.1	5.7	6.1	6.1	6.6	7.1
	6H	4.6	5.0	5.1	5.5	6.0	5.6	5.9	6.1	6.5	6.9
	8H	4.5	4.9	5.1	5.4	5.9	5.5	5.8	6.0	6.4	6.9
	12H	4.5	4.8	5.0	5.3	5.8	5.4	5.7	6.0	6.2	6.8
12H	4H	4.6	5.1	5.1	5.5	6.0	5.6	6.0	6.1	6.5	7.0
	6H	4.5	4.9	5.1	5.3	5.9	5.5	5.8	6.0	6.3	6.9
	8H	4.5	4.8	5.0	5.3	5.8	5.4	5.7	6.0	6.2	6.8

(END OF REPORT)