

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: P1590462

Luminaire Tested: HCDLS1525CSD4TRC-ME-2700K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590462
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-2700K
Description: 4" Selectable Round Trim + Specular Clear 2000 Lumens 2700K

Light Source:
Ballast/Driver: -

Summary

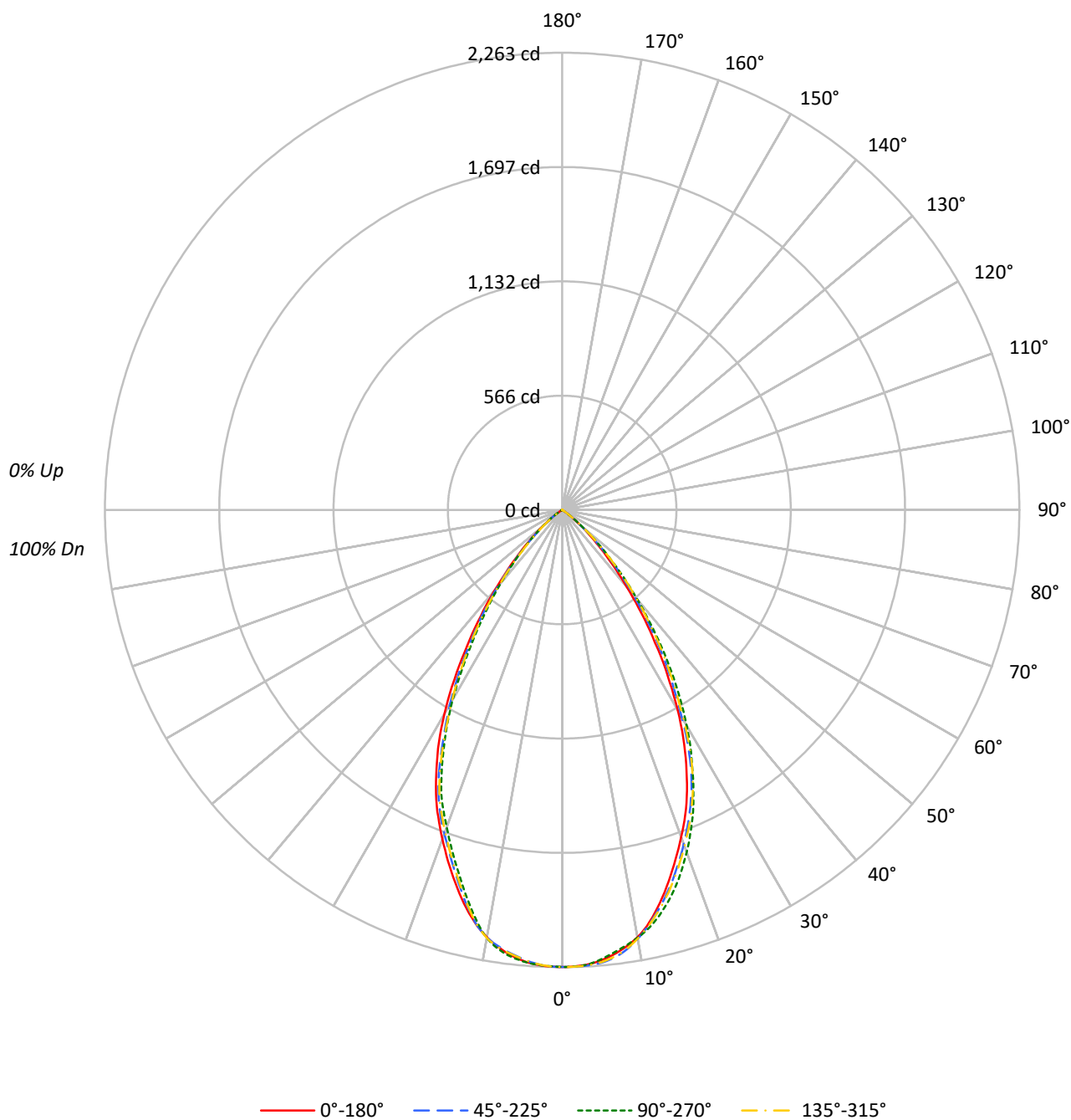
Lumens per Lamp: N/A
Luminaire Lumens: 2211.9 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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			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°	278983	278983	278983	278983
5°	276904	276310	277226	277597
10°	268958	269309	268908	269259
15°	250018	257041	250886	244424
20°	226124	236520	227581	219404
25°	198729	209167	201110	191543
30°	162595	175656	166113	154021
35°	120733	135911	123293	111939
40°	80524	93567	83761	75597
45°	47238	56675	49976	46191
50°	23104	26519	24754	23756
55°	7548	8000	8021	8129
60°	1752	1949	1826	2023
65°	846	992	905	1022
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: 56675 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.9	9.5
10°-20°	547.7	24.8
20°-30°	669.2	30.3
30°-40°	509.8	23.0
40°-50°	227.3	10.3
50°-60°	41.2	1.9
60°-70°	3.6	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°	1427.8	64.6
0°-40°	1937.6	87.6
0°-60°	2206.1	99.7
0°-90°	2210.5	99.9
90°-120°	0.0	0.0
90°-150°	0.7	0.0
90°-180°	1.0	0.0
0°-180°	2211.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2262	2262	2262	2262	2262	
5°	2236	2232	2239	2242	2236	211
15°	1958	2013	1965	1914	1958	546
25°	1460	1537	1478	1407	1460	664
35°	802	903	819	743	802	501
45°	271	325	286	265	271	216
55°	35	37	37	38	35	39
65°	3	3	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°	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8
0.5°	2262.2	2261.4	2261.6	2262.2	2261.4	2261.6	2262.6	2262.2	2262.2	2261.4	2261.4
1°	2261.2	2261.2	2261.6	2262.2	2261.4	2261.6	2262.0	2262.0	2261.4	2260.6	2260.6
1.5°	2260.0	2260.4	2261.2	2261.4	2260.6	2261.2	2261.4	2261.2	2260.6	2259.5	2259.5
2°	2258.5	2259.3	2260.6	2260.4	2259.3	2259.8	2260.6	2260.4	2259.1	2257.3	2257.7
2.5°	2256.5	2258.5	2259.6	2258.7	2257.3	2257.9	2259.8	2259.3	2257.1	2254.9	2255.3
3°	2254.3	2257.3	2258.3	2256.3	2254.3	2255.5	2257.9	2257.9	2254.9	2251.5	2251.9
3.5°	2250.7	2255.9	2256.7	2253.3	2250.3	2252.3	2255.7	2255.9	2252.3	2247.3	2247.7
4°	2246.7	2253.9	2255.1	2249.3	2244.9	2247.9	2253.5	2253.9	2248.5	2242.2	2242.8
4.5°	2241.8	2251.1	2252.5	2244.4	2238.6	2242.6	2250.1	2251.1	2244.4	2236.2	2237.2
5°	2236.4	2247.7	2248.5	2238.2	2231.6	2236.0	2245.9	2247.9	2239.0	2229.7	2231.0
5.5°	2230.3	2243.2	2244.2	2231.8	2224.1	2229.3	2241.0	2243.6	2233.4	2222.5	2224.7
6°	2223.9	2237.6	2238.8	2224.5	2216.1	2221.7	2235.4	2238.4	2226.7	2215.2	2217.7
6.5°	2216.5	2231.2	2232.6	2217.1	2208.0	2214.0	2228.9	2232.2	2219.1	2207.6	2210.8
7°	2208.8	2223.5	2224.9	2209.2	2200.1	2206.0	2221.3	2224.9	2211.0	2199.5	2203.6
7.5°	2200.3	2214.8	2216.1	2200.7	2192.1	2197.5	2213.0	2216.3	2202.8	2191.3	2195.9
8°	2191.7	2205.2	2206.2	2191.3	2184.0	2188.7	2203.4	2206.2	2193.1	2183.0	2187.9
8.5°	2181.8	2194.3	2195.3	2181.6	2175.8	2180.2	2192.7	2195.7	2182.8	2173.6	2179.2
9°	2171.3	2182.2	2183.0	2171.5	2167.5	2170.5	2180.8	2183.4	2171.9	2164.1	2169.7
9.5°	2159.5	2168.9	2169.9	2160.5	2159.1	2160.3	2168.3	2169.9	2160.3	2153.6	2159.3
10°	2147.4	2154.8	2155.6	2148.8	2150.2	2149.4	2154.6	2155.6	2147.0	2142.5	2147.6
10.5°	2133.9	2139.5	2140.3	2136.3	2140.5	2138.3	2140.3	2139.9	2132.9	2129.1	2133.7
11°	2118.8	2123.4	2124.2	2123.0	2129.7	2126.0	2125.0	2124.2	2118.2	2115.2	2118.4
11.5°	2102.3	2105.9	2107.9	2109.1	2118.2	2113.3	2109.3	2107.5	2102.3	2099.7	2101.3
12°	2083.9	2087.8	2090.8	2093.6	2106.1	2099.6	2093.4	2090.2	2085.4	2081.7	2081.5
12.5°	2064.8	2069.2	2072.5	2078.7	2092.2	2084.5	2076.7	2072.3	2066.4	2062.2	2059.2
13°	2044.7	2050.3	2054.7	2062.4	2078.3	2069.6	2059.4	2053.3	2048.3	2041.9	2037.6
13.5°	2023.9	2030.2	2036.2	2046.1	2063.0	2054.3	2041.7	2034.8	2028.2	2020.5	2014.7
14°	2002.2	2009.8	2017.5	2028.4	2046.7	2037.4	2023.7	2014.9	2008.0	1998.4	1990.9
14.5°	1980.5	1989.1	1998.4	2011.0	2030.0	2020.3	2004.6	1995.3	1986.1	1975.6	1966.9
15°	1957.9	1968.1	1978.4	1992.5	2012.9	2002.0	1986.3	1975.1	1964.7	1952.4	1942.1
15.5°	1934.7	1946.5	1958.5	1973.2	1995.1	1983.6	1966.3	1954.3	1942.8	1929.1	1917.2
16°	1911.9	1924.3	1937.7	1952.6	1975.9	1964.1	1946.2	1932.7	1920.1	1904.8	1892.8
16.5°	1888.9	1902.6	1916.7	1932.7	1956.5	1944.1	1924.9	1910.8	1897.3	1880.9	1868.6
17°	1865.5	1880.4	1895.3	1911.9	1936.4	1923.4	1903.5	1888.6	1874.0	1857.0	1844.4
17.5°	1841.5	1857.7	1872.9	1890.5	1915.6	1902.3	1882.1	1865.5	1850.6	1833.2	1820.3
18°	1817.5	1834.6	1850.4	1868.2	1893.4	1880.9	1859.6	1842.9	1827.5	1809.5	1796.4
18.5°	1793.8	1811.1	1828.0	1845.8	1871.5	1858.6	1837.3	1820.4	1804.1	1785.7	1773.0
19°	1770.1	1787.7	1805.9	1823.3	1848.3	1836.0	1815.2	1797.5	1779.9	1762.5	1749.4
19.5°	1746.6	1764.5	1783.3	1800.4	1825.8	1813.2	1792.8	1774.0	1756.7	1739.5	1728.4
20°	1722.7	1740.7	1760.5	1777.3	1801.9	1790.6	1770.5	1751.6	1733.8	1716.4	1705.8
20.5°	1699.1	1717.8	1737.4	1754.2	1778.4	1767.5	1747.5	1729.6	1709.8	1693.4	1683.2
21°	1675.3	1693.7	1714.0	1730.2	1754.3	1743.3	1724.7	1706.6	1685.8	1670.3	1660.6
21.5°	1651.7	1670.1	1691.0	1706.0	1728.7	1718.4	1701.9	1683.5	1661.8	1647.2	1638.0
22°	1626.8	1645.6	1666.7	1680.7	1703.0	1693.4	1679.0	1660.5	1637.9	1624.2	1613.1

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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°	1601.9	1621.8	1642.5	1656.3	1677.4	1668.4	1656.2	1637.5	1615.9	1598.7	1588.5
23°	1574.8	1596.1	1618.1	1629.0	1651.7	1643.5	1633.4	1612.0	1589.7	1571.5	1562.8
23.5°	1547.8	1570.7	1593.2	1603.4	1626.0	1618.5	1607.5	1586.9	1562.7	1544.2	1535.5
24°	1519.3	1544.2	1567.0	1575.0	1596.1	1590.5	1582.2	1561.1	1534.7	1516.3	1506.0
24.5°	1490.3	1516.7	1541.6	1547.6	1567.1	1562.6	1556.1	1534.2	1506.4	1486.5	1475.2
25°	1460.2	1488.2	1514.5	1518.0	1536.9	1533.8	1529.2	1507.1	1477.7	1456.3	1443.3
25.5°	1430.6	1459.9	1487.0	1489.9	1507.5	1504.8	1501.4	1479.5	1448.6	1425.2	1410.0
26°	1400.4	1430.1	1458.2	1460.0	1477.8	1475.3	1473.1	1450.9	1419.3	1394.0	1374.9
26.5°	1371.2	1400.2	1428.8	1429.9	1447.8	1445.4	1443.4	1420.6	1389.0	1362.0	1339.8
27°	1339.7	1369.7	1396.8	1399.7	1417.6	1414.9	1412.7	1390.2	1359.0	1329.4	1305.2
27.5°	1308.6	1338.9	1363.8	1368.9	1388.4	1385.1	1381.2	1359.1	1329.0	1295.9	1271.6
28°	1276.4	1307.7	1329.5	1337.7	1358.4	1354.8	1347.2	1326.9	1297.6	1263.0	1238.3
28.5°	1244.1	1274.0	1293.9	1305.4	1328.1	1323.3	1313.4	1293.9	1265.8	1229.4	1204.9
29°	1210.2	1241.7	1257.8	1273.3	1297.5	1292.4	1278.2	1259.8	1233.3	1196.6	1173.2
29.5°	1177.0	1207.9	1220.5	1240.9	1266.2	1260.3	1242.2	1224.4	1200.0	1164.2	1141.2
30°	1141.6	1172.8	1184.1	1207.2	1233.3	1227.8	1204.7	1188.0	1166.3	1131.6	1109.2
30.5°	1107.6	1136.3	1148.1	1172.2	1200.6	1193.8	1168.0	1151.2	1131.3	1098.7	1076.7
31°	1073.4	1101.0	1113.2	1137.5	1167.4	1160.3	1132.4	1114.5	1097.1	1066.8	1043.7
31.5°	1039.7	1063.7	1079.1	1102.6	1134.5	1126.0	1097.7	1077.5	1061.7	1034.8	1010.6
32°	1005.6	1027.6	1046.1	1067.2	1101.0	1091.2	1064.3	1042.1	1028.2	1003.1	977.1
32.5°	972.7	990.8	1013.1	1032.4	1068.6	1056.7	1031.0	1007.5	991.9	970.7	943.8
33°	939.7	957.0	981.5	997.9	1036.2	1021.5	999.6	973.5	956.5	939.2	910.0
33.5°	906.5	921.1	949.3	963.3	1003.2	986.8	967.6	940.5	921.0	906.4	876.0
34°	873.7	888.5	917.6	930.6	969.6	953.1	936.1	908.1	887.1	873.8	844.1
34.5°	840.5	854.5	884.6	898.2	936.0	919.8	904.5	876.2	852.0	840.8	811.5
35°	801.8	821.9	851.9	866.6	902.6	887.2	872.7	845.3	818.8	807.0	781.2
35.5°	771.0	790.5	820.3	835.9	869.2	855.1	840.4	813.2	786.3	774.1	751.5
36°	740.3	759.1	789.2	806.4	835.1	823.7	808.5	781.1	755.2	741.8	722.5
36.5°	709.6	727.8	758.1	775.8	801.8	791.8	776.6	749.3	723.0	709.8	693.1
37°	678.9	696.4	727.0	745.1	768.5	761.0	745.0	717.9	692.3	678.7	665.2
37.5°	647.1	665.0	695.9	714.5	735.8	730.4	713.8	686.0	662.4	647.7	636.5
38°	615.9	636.5	664.8	683.9	704.0	700.3	684.6	655.6	632.9	618.3	608.4
38.5°	585.7	607.3	636.1	653.6	671.9	669.9	655.2	626.0	603.7	589.5	579.8
39°	556.8	579.7	608.5	624.5	641.1	641.4	627.3	597.1	575.6	561.4	552.4
39.5°	528.0	551.7	580.1	595.2	610.8	611.6	599.6	569.5	547.7	532.8	524.9
40°	500.1	525.0	552.6	566.5	581.1	583.3	572.2	543.1	520.2	505.2	498.1
40.5°	473.7	499.4	525.7	538.5	552.4	553.7	544.8	516.4	492.9	478.2	471.6
41°	447.9	473.5	498.8	511.2	523.9	526.0	517.9	490.9	466.5	452.1	446.3
41.5°	422.5	448.2	471.6	484.6	496.8	498.1	491.2	466.1	441.2	426.4	422.1
42°	398.7	424.8	446.4	459.0	470.2	471.6	464.6	442.2	416.6	401.1	398.7
42.5°	375.6	400.9	421.0	433.4	444.6	444.8	438.2	417.9	393.0	377.2	374.9
43°	353.1	377.6	396.4	407.4	419.3	419.3	412.7	394.8	370.3	354.2	352.1
43.5°	331.0	354.1	372.1	382.5	394.4	393.8	387.9	371.7	347.6	332.0	329.1
44°	310.5	331.9	349.9	358.0	370.2	370.0	364.1	349.6	326.7	311.0	308.0
44.5°	290.3	310.4	327.5	334.1	347.0	346.0	340.6	327.4	306.1	290.7	286.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	270.8	290.0	306.2	311.0	324.9	323.4	318.3	306.4	286.5	271.1	265.4
45.5°	252.1	269.7	285.7	288.2	302.5	300.5	296.8	285.8	267.5	252.4	245.3
46°	234.9	250.7	265.3	266.8	281.4	279.2	275.7	266.0	248.7	234.6	227.4
46.5°	217.7	231.8	245.4	246.1	260.4	257.9	255.8	246.4	231.5	219.2	211.2
47°	201.7	214.9	226.3	226.5	241.3	237.8	235.9	228.0	216.0	203.7	195.2
47.5°	186.0	197.6	207.7	207.5	223.6	220.4	218.5	211.6	200.7	188.2	179.1
48°	171.8	182.0	190.1	189.8	206.0	203.0	201.3	195.3	185.4	172.8	163.0
48.5°	157.7	166.3	173.0	173.0	188.4	185.6	184.0	178.9	170.0	157.4	149.9
49°	144.8	152.2	156.9	157.5	170.8	168.1	166.7	162.6	154.7	144.4	137.9
49.5°	132.5	138.6	141.4	142.7	153.3	150.7	149.5	146.4	141.5	132.1	127.0
50°	120.4	125.7	127.1	128.5	138.2	136.3	135.0	132.8	129.0	120.8	116.6
50.5°	109.1	112.9	113.8	115.2	123.8	122.5	121.3	119.8	117.2	110.1	106.9
51°	98.8	101.7	101.8	103.0	110.7	110.0	108.8	107.6	105.8	100.1	97.7
51.5°	88.6	90.9	90.4	91.5	98.3	98.1	97.2	96.2	95.3	90.7	89.1
52°	79.4	81.0	80.1	81.1	86.9	87.1	86.2	85.7	85.0	81.7	80.9
52.5°	71.4	72.8	72.0	72.8	76.3	76.7	76.1	75.7	75.4	73.2	72.7
53°	63.3	64.6	63.9	64.4	66.7	67.3	66.8	66.4	66.3	64.9	65.0
53.5°	55.3	56.4	55.7	56.1	57.8	58.4	58.3	57.9	58.1	57.2	57.7
54°	47.3	48.2	47.6	47.8	49.9	50.6	50.6	49.9	50.3	50.0	50.7
54.5°	40.8	40.1	39.5	39.5	43.0	43.7	43.7	43.0	43.4	43.4	44.2
55°	35.1	34.4	33.9	34.0	37.2	37.8	37.7	37.1	37.3	37.4	38.3
55.5°	29.9	29.1	28.6	28.5	31.8	32.4	32.3	31.7	31.9	32.2	32.9
56°	24.7	23.9	23.4	23.3	26.5	26.9	26.9	28.2	27.9	28.6	27.6
56.5°	20.0	19.3	18.9	18.9	23.5	23.8	23.8	24.8	24.0	25.0	24.2
57°	16.2	15.6	15.3	15.5	20.4	20.7	20.7	21.3	20.1	21.4	21.0
57.5°	13.4	12.9	12.7	13.0	17.3	17.7	17.6	17.9	16.2	17.8	17.7
58°	11.3	11.0	10.8	11.1	14.2	14.7	14.5	14.4	12.3	14.2	14.4
58.5°	9.8	9.5	9.4	9.6	11.1	11.6	11.5	11.0	10.7	10.6	11.1
59°	8.6	8.3	8.3	8.5	9.8	10.2	10.1	9.6	9.3	9.3	9.6
59.5°	7.9	7.6	7.6	7.8	8.8	9.1	9.0	8.5	8.2	8.2	8.5
60°	7.1	6.9	6.9	7.1	7.9	8.2	8.1	7.6	7.4	7.3	7.5
60.5°	6.4	6.2	6.2	6.4	7.1	7.4	7.3	6.9	6.6	6.6	6.8
61°	5.7	5.6	5.5	5.8	6.5	6.7	6.6	6.2	6.0	5.9	6.1
61.5°	5.2	5.1	5.1	5.3	5.9	6.2	6.1	5.7	5.5	5.4	5.6
62°	4.7	4.6	4.6	4.8	5.4	5.7	5.5	5.2	5.0	4.9	5.1
62.5°	4.3	4.2	4.3	4.4	5.0	5.2	5.1	4.8	4.6	4.5	4.7
63°	4.0	3.9	3.9	4.1	4.6	4.8	4.7	4.4	4.2	4.2	4.3
63.5°	3.7	3.6	3.6	3.8	4.3	4.5	4.3	4.1	3.9	3.8	4.0
64°	3.4	3.3	3.3	3.5	3.9	4.1	4.0	3.8	3.6	3.6	3.7
64.5°	3.1	3.1	3.1	3.2	3.7	3.8	3.7	3.5	3.3	3.3	3.4
65°	2.9	2.8	2.9	3.0	3.4	3.6	3.5	3.2	3.1	3.1	3.1
65.5°	2.7	2.6	2.7	2.8	3.2	3.3	3.2	3.0	2.9	2.8	2.9
66°	2.5	2.5	2.5	2.6	2.9	3.1	3.0	2.8	2.7	2.6	2.7
66.5°	2.3	2.3	2.3	2.4	2.7	2.9	2.8	2.6	2.5	2.4	2.5
67°	2.1	2.1	2.1	2.2	2.5	2.7	2.6	2.4	2.3	2.3	2.3

TEST NUMBER: P1590462

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-2700K

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	2.5	2.4	2.2	2.1	2.1	2.2
68°	1.9	1.8	1.8	1.9	2.2	2.3	2.2	2.1	2.0	2.0	2.0
68.5°	1.7	1.7	1.7	1.8	2.1	2.2	2.1	1.9	1.9	1.8	1.9
69°	1.6	1.6	1.6	1.7	1.9	2.0	1.9	1.8	1.7	1.7	1.8
69.5°	1.5	1.5	1.5	1.6	1.8	1.9	1.8	1.7	1.6	1.6	1.6
70°	1.4	1.3	1.4	1.4	1.7	1.7	1.7	1.6	1.5	1.5	1.5
70.5°	1.3	1.2	1.3	1.3	1.5	1.6	1.6	1.4	1.4	1.4	1.4
71°	1.2	1.1	1.2	1.2	1.4	1.5	1.5	1.3	1.3	1.3	1.3
71.5°	1.1	1.1	1.1	1.2	1.3	1.4	1.3	1.2	1.2	1.2	1.2
72°	1.0	1.0	1.0	1.1	1.2	1.3	1.2	1.2	1.1	1.1	1.1
72.5°	0.9	0.9	0.9	1.0	1.1	1.2	1.2	1.1	1.0	1.0	1.0
73°	0.8	0.8	0.8	0.9	1.1	1.1	1.1	1.0	0.9	0.9	1.0
73.5°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	0.9	0.9	0.8	0.9
74°	0.7	0.7	0.7	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8
74.5°	0.6	0.6	0.6	0.7	0.8	0.9	0.8	0.8	0.7	0.7	0.7
75°	0.6	0.6	0.6	0.6	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	0.7	0.7	0.6	0.6	0.6	0.6
76°	0.5	0.5	0.5	0.5	0.6	0.7	0.6	0.6	0.5	0.5	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	0.4	0.4	0.5
77.5°	0.3	0.3	0.3	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	0.4	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	0.1	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	0.0
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: P1590462

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-2700K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1590462

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	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	0.0	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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
128.5°	0.2	0.2	0.2	0.2	0.1	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	0.2	0.3
132°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
134°	0.3	0.3	0.2	0.2	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: P1590462

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
135.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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	0.4	0.5
138.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5
139°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
139.5°	0.4	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
140°	0.4	0.4	0.3	0.3	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	0.5
141°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6
141.5°	0.4	0.4	0.4	0.4	0.5	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	0.6
143.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.7	0.7
144°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	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°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145.5°	0.5	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
146°	0.5	0.5	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
146.5°	0.5	0.5	0.4	0.5	0.7	0.7	0.7	0.7	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	0.8	0.8	0.8
149°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.9	0.9
149.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	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°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	1.0	1.0	1.0
152.5°	0.6	0.5	0.5	0.5	0.9	1.0	1.0	1.0	1.0	1.0	1.0
153°	0.6	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
153.5°	0.6	0.6	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
154°	0.6	0.6	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
154.5°	0.6	0.6	0.6	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
155°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
155.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.1	1.1	1.1
156°	0.6	0.6	0.6	0.6	1.0	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: P1590462

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-2700K

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	1.1	1.1
158.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
159°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
159.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.2	1.2	1.2
160°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.2	1.2	1.2	1.2
160.5°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
161°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
161.5°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
162°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
162.5°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
163°	0.7	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
163.5°	0.7	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
164°	0.7	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
164.5°	0.7	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
165°	0.7	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
165.5°	0.7	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
166°	0.7	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
166.5°	0.7	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
167°	0.7	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
167.5°	0.7	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
168°	0.7	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
168.5°	0.7	0.6	0.6	0.6	1.1	1.2	1.2	1.2	1.2	1.2	1.2
169°	0.7	0.6	0.6	0.6	1.1	1.1	1.2	1.2	1.2	1.2	1.2
169.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.2	1.2	1.2	1.1	1.1
170°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
170.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
171°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
171.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
172°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
172.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
173°	0.6	0.6	0.6	0.6	1.0	1.0	1.1	1.1	1.1	1.1	1.0
173.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.1	1.1	1.1	1.0	1.0
174°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
174.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
175°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
175.5°	0.7	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
176°	0.7	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
176.5°	0.7	0.7	0.7	0.7	0.9	1.0	1.0	1.0	1.0	1.0	1.0
177°	0.7	0.7	0.7	0.7	0.9	0.9	1.0	1.0	1.0	0.9	0.9
177.5°	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
178°	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.9	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: P1590462

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-2700K

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: P1590462

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2261.8	2261.8	2261.8	2261.8	2261.8	2261.8
0.5°	2262.0	2260.4	2261.2	2262.0	2261.8	2262.2
1°	2261.4	2259.8	2260.6	2261.0	2260.8	2261.2
1.5°	2260.4	2258.9	2259.8	2259.6	2259.3	2260.0
2°	2259.3	2257.7	2258.1	2257.3	2257.1	2258.5
2.5°	2257.1	2256.3	2256.3	2254.9	2254.7	2256.5
3°	2255.1	2254.9	2254.3	2251.5	2250.7	2254.3
3.5°	2252.1	2252.5	2251.3	2247.5	2246.1	2250.7
4°	2248.7	2249.5	2247.9	2242.8	2241.2	2246.7
4.5°	2244.2	2246.1	2244.0	2237.6	2235.6	2241.8
5°	2239.4	2242.0	2239.6	2231.6	2229.3	2236.4
5.5°	2234.4	2237.4	2234.6	2225.7	2222.7	2230.3
6°	2228.7	2232.0	2229.3	2219.5	2215.6	2223.9
6.5°	2222.3	2226.3	2223.1	2213.2	2209.0	2216.5
7°	2215.6	2218.9	2216.5	2206.4	2201.4	2208.8
7.5°	2208.2	2211.2	2208.6	2199.7	2194.3	2200.3
8°	2199.9	2202.0	2200.1	2191.3	2186.4	2191.7
8.5°	2191.1	2191.7	2190.1	2183.2	2178.0	2181.8
9°	2180.6	2179.4	2179.0	2173.2	2168.7	2171.3
9.5°	2169.1	2165.9	2166.1	2162.5	2158.3	2159.5
10°	2155.6	2149.8	2151.2	2149.4	2147.0	2147.4
10.5°	2140.1	2132.1	2133.9	2135.5	2134.3	2133.9
11°	2122.8	2112.1	2114.8	2118.8	2119.8	2118.8
11.5°	2102.3	2089.6	2093.2	2099.9	2103.3	2102.3
12°	2080.7	2065.6	2070.2	2078.5	2084.1	2083.9
12.5°	2057.4	2041.7	2046.1	2056.4	2063.4	2064.8
13°	2033.8	2016.5	2021.1	2032.8	2042.5	2044.7
13.5°	2009.4	1992.1	1996.1	2008.6	2020.3	2023.9
14°	1984.5	1966.0	1970.7	1983.8	1996.9	2002.2
14.5°	1958.9	1940.4	1945.1	1959.3	1973.2	1980.5
15°	1933.5	1914.1	1919.0	1933.6	1949.2	1957.9
15.5°	1908.7	1888.9	1893.9	1909.5	1924.5	1934.7
16°	1884.1	1864.0	1869.5	1884.4	1899.9	1911.9
16.5°	1859.2	1840.2	1845.1	1860.3	1876.7	1888.9
17°	1835.3	1815.4	1820.4	1836.5	1852.4	1865.5
17.5°	1811.7	1791.1	1797.1	1812.2	1828.9	1841.5
18°	1788.1	1766.7	1772.6	1788.2	1804.4	1817.5
18.5°	1763.8	1742.6	1748.5	1764.8	1780.5	1793.8
19°	1740.9	1718.7	1725.5	1741.0	1756.2	1770.1
19.5°	1718.6	1694.3	1702.0	1717.9	1732.7	1746.6
20°	1696.2	1671.5	1679.5	1694.5	1708.6	1722.7
20.5°	1673.9	1647.6	1656.1	1672.0	1685.1	1699.1
21°	1651.6	1625.0	1633.1	1648.2	1661.3	1675.3
21.5°	1629.3	1601.3	1610.0	1624.9	1637.2	1651.7
22°	1606.3	1578.3	1587.0	1601.2	1613.7	1626.8

TEST NUMBER: P1590462

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1582.6	1554.3	1562.7	1577.5	1588.5	1601.9
23°	1556.7	1528.6	1536.6	1551.9	1562.0	1574.8
23.5°	1528.7	1500.9	1509.4	1524.6	1535.3	1547.8
24°	1500.3	1471.0	1480.4	1495.6	1506.4	1519.3
24.5°	1470.8	1438.3	1450.3	1464.4	1475.9	1490.3
25°	1440.0	1407.4	1418.8	1432.2	1444.0	1460.2
25.5°	1407.6	1375.8	1386.8	1398.7	1412.2	1430.6
26°	1375.2	1344.5	1354.4	1364.2	1379.3	1400.4
26.5°	1341.6	1311.8	1321.5	1329.5	1345.6	1371.2
27°	1307.0	1280.9	1288.2	1294.4	1310.4	1339.7
27.5°	1272.0	1249.3	1253.7	1259.2	1276.1	1308.6
28°	1236.1	1216.7	1219.4	1224.6	1243.4	1276.4
28.5°	1200.7	1183.9	1185.6	1190.2	1210.8	1244.1
29°	1166.3	1150.7	1151.8	1156.8	1178.7	1210.2
29.5°	1132.5	1116.2	1117.9	1123.7	1147.1	1177.0
30°	1098.8	1081.4	1083.0	1091.3	1116.2	1141.6
30.5°	1065.0	1045.3	1048.3	1058.7	1084.1	1107.6
31°	1032.1	1010.9	1013.8	1025.9	1052.4	1073.4
31.5°	999.1	975.5	979.7	993.3	1019.9	1039.7
32°	966.8	941.2	946.1	960.5	986.4	1005.6
32.5°	934.5	907.5	912.9	927.7	953.1	972.7
33°	902.2	874.3	880.7	894.8	919.4	939.7
33.5°	869.5	840.4	849.2	861.2	885.3	906.5
34°	837.5	803.2	819.4	829.3	851.1	873.7
34.5°	805.5	773.2	788.4	798.8	818.3	840.5
35°	774.7	743.4	757.4	768.4	787.3	801.8
35.5°	743.5	713.5	726.4	738.0	756.2	771.0
36°	713.9	683.6	695.4	707.6	725.1	740.3
36.5°	683.9	654.6	664.4	677.1	694.1	709.6
37°	654.5	626.1	635.0	648.5	663.1	678.9
37.5°	625.5	598.2	606.0	620.2	634.2	647.1
38°	597.2	571.7	577.3	592.9	605.7	615.9
38.5°	569.8	545.5	549.5	565.1	576.8	585.7
39°	543.0	520.3	524.3	538.1	549.1	556.8
39.5°	516.4	494.6	498.6	510.8	521.1	528.0
40°	490.0	469.5	473.5	484.5	493.4	500.1
40.5°	465.1	445.8	449.3	458.2	465.6	473.7
41°	440.5	422.9	426.2	432.8	439.5	447.9
41.5°	416.9	400.6	403.5	408.4	413.4	422.5
42°	393.7	379.2	381.3	384.7	388.8	398.7
42.5°	370.9	358.7	359.9	360.8	364.6	375.6
43°	349.2	338.8	338.9	339.3	342.1	353.1
43.5°	328.3	319.2	318.9	317.0	319.9	331.0
44°	308.4	300.5	299.6	295.9	298.7	310.5
44.5°	289.1	282.2	281.2	275.2	277.9	290.3

TEST NUMBER: P1590462

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	270.4	264.8	263.1	255.9	258.1	270.8
45.5°	252.6	247.9	246.2	237.0	239.6	252.1
46°	235.4	232.0	229.9	219.2	221.8	234.9
46.5°	219.4	216.2	214.1	202.3	204.6	217.7
47°	204.6	201.2	199.0	186.8	188.5	201.7
47.5°	189.9	186.8	184.4	172.3	173.6	186.0
48°	175.1	172.9	170.6	158.7	159.9	171.8
48.5°	160.4	160.0	157.5	146.3	147.1	157.7
49°	147.5	147.4	145.0	134.8	134.8	144.8
49.5°	135.1	135.3	133.1	124.3	124.2	132.5
50°	123.9	123.8	121.6	114.2	113.8	120.4
50.5°	113.0	112.8	110.9	104.7	104.2	109.1
51°	102.9	102.4	100.9	95.8	94.9	98.8
51.5°	93.3	92.4	91.3	87.2	86.4	88.6
52°	84.3	83.1	82.2	78.9	79.0	79.4
52.5°	75.6	75.2	74.5	71.6	71.4	71.4
53°	67.4	67.4	66.9	64.2	63.7	63.3
53.5°	59.8	59.5	59.3	56.9	56.1	55.3
54°	52.4	51.7	51.7	49.5	48.5	47.3
54.5°	45.6	43.8	44.0	43.2	42.1	40.8
55°	39.5	37.8	38.1	37.6	36.2	35.1
55.5°	34.2	32.6	32.9	32.3	31.3	29.9
56°	28.9	27.3	27.7	27.2	26.1	24.7
56.5°	25.4	22.4	22.9	22.3	21.3	20.0
57°	22.0	18.4	18.8	18.3	17.3	16.2
57.5°	18.6	15.4	15.7	15.2	14.4	13.4
58°	15.2	13.1	13.4	13.0	12.2	11.3
58.5°	11.8	11.4	11.7	11.3	10.5	9.8
59°	10.2	10.0	10.3	9.9	9.2	8.6
59.5°	9.0	8.8	9.1	8.8	8.1	7.9
60°	8.0	8.2	8.2	8.2	7.5	7.1
60.5°	7.2	7.6	7.6	7.5	6.8	6.4
61°	6.5	6.9	7.0	6.9	6.2	5.7
61.5°	5.9	6.3	6.4	6.2	5.6	5.2
62°	5.4	5.6	5.8	5.6	5.1	4.7
62.5°	5.0	5.2	5.4	5.1	4.7	4.3
63°	4.6	4.8	4.9	4.7	4.3	4.0
63.5°	4.2	4.4	4.6	4.4	4.0	3.7
64°	3.9	4.1	4.2	4.0	3.6	3.4
64.5°	3.6	3.8	3.9	3.7	3.4	3.1
65°	3.4	3.5	3.6	3.5	3.1	2.9
65.5°	3.1	3.3	3.4	3.2	2.9	2.7
66°	2.9	3.0	3.2	3.0	2.7	2.5
66.5°	2.7	2.8	2.9	2.8	2.5	2.3
67°	2.5	2.6	2.7	2.6	2.3	2.1

TEST NUMBER: P1590462

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	2.3	2.4	2.5	2.4	2.1	2.0
68°	2.2	2.3	2.4	2.2	2.0	1.9
68.5°	2.0	2.1	2.2	2.1	1.9	1.7
69°	1.9	2.0	2.0	1.9	1.7	1.6
69.5°	1.7	1.8	1.9	1.8	1.6	1.5
70°	1.6	1.7	1.8	1.7	1.5	1.4
70.5°	1.5	1.6	1.6	1.5	1.4	1.3
71°	1.4	1.5	1.5	1.4	1.3	1.2
71.5°	1.3	1.4	1.4	1.3	1.2	1.1
72°	1.2	1.3	1.3	1.2	1.1	1.0
72.5°	1.1	1.2	1.2	1.1	1.0	0.9
73°	1.0	1.1	1.1	1.0	0.9	0.8
73.5°	1.0	1.0	1.0	1.0	0.8	0.8
74°	0.9	0.9	1.0	0.9	0.8	0.7
74.5°	0.8	0.8	0.9	0.8	0.7	0.6
75°	0.7	0.8	0.8	0.8	0.7	0.6
75.5°	0.7	0.7	0.7	0.7	0.6	0.5
76°	0.6	0.6	0.7	0.6	0.5	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	0.4	0.4
77.5°	0.5	0.5	0.5	0.5	0.4	0.3
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	0.3	0.4	0.3	0.3	0.2
79.5°	0.3	0.3	0.3	0.3	0.2	0.2
80°	0.2	0.3	0.3	0.3	0.2	0.2
80.5°	0.2	0.2	0.2	0.2	0.2	0.1
81°	0.2	0.2	0.2	0.2	0.1	0.1
81.5°	0.1	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	0.0	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: P1590462

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-2700K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1590462

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.1	0.1	0.0	0.0	0.0
121°	0.0	0.1	0.1	0.1	0.1	0.0
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	0.1	0.1	0.1
127.5°	0.2	0.2	0.2	0.2	0.1	0.1
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	0.2	0.2	0.2
133.5°	0.3	0.3	0.3	0.3	0.3	0.2
134°	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

TEST NUMBER: P1590462

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.4	0.3	0.3	0.3	0.3	0.3
135.5°	0.4	0.3	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	0.3	0.3	0.3	0.3	0.3
139°	0.5	0.4	0.4	0.4	0.3	0.3
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°	0.5	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°	0.6	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	0.4	0.4	0.4	0.4	0.4
144.5°	0.7	0.4	0.4	0.4	0.4	0.4
145°	0.7	0.5	0.5	0.5	0.4	0.4
145.5°	0.7	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°	0.8	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	0.5	0.5	0.5	0.5
151.5°	0.9	0.5	0.5	0.5	0.5	0.5
152°	1.0	0.5	0.5	0.6	0.6	0.5
152.5°	1.0	0.5	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°	1.0	0.6	0.6	0.6	0.6	0.6
155°	1.0	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: P1590462

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-2700K

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°	1.1	0.6	0.6	0.6	0.6	0.6
159°	1.1	0.6	0.6	0.6	0.6	0.6
159.5°	1.1	0.6	0.6	0.6	0.6	0.6
160°	1.2	0.6	0.6	0.6	0.6	0.6
160.5°	1.2	0.6	0.6	0.6	0.6	0.6
161°	1.2	0.6	0.6	0.6	0.6	0.6
161.5°	1.2	0.6	0.6	0.6	0.6	0.6
162°	1.2	0.6	0.6	0.6	0.7	0.6
162.5°	1.2	0.6	0.6	0.7	0.7	0.6
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	0.6	0.7	0.7	0.7
165°	1.2	0.6	0.6	0.7	0.7	0.7
165.5°	1.2	0.6	0.6	0.7	0.7	0.7
166°	1.2	0.6	0.6	0.7	0.7	0.7
166.5°	1.2	0.6	0.6	0.7	0.7	0.7
167°	1.2	0.6	0.6	0.7	0.7	0.7
167.5°	1.2	0.6	0.6	0.7	0.7	0.7
168°	1.2	0.6	0.6	0.7	0.7	0.7
168.5°	1.2	0.6	0.6	0.7	0.7	0.7
169°	1.2	0.6	0.6	0.7	0.7	0.7
169.5°	1.1	0.6	0.6	0.7	0.7	0.6
170°	1.1	0.6	0.6	0.7	0.7	0.6
170.5°	1.1	0.6	0.6	0.7	0.7	0.6
171°	1.1	0.6	0.6	0.7	0.7	0.6
171.5°	1.1	0.6	0.6	0.6	0.6	0.6
172°	1.1	0.6	0.6	0.6	0.6	0.6
172.5°	1.1	0.6	0.6	0.6	0.6	0.6
173°	1.0	0.6	0.6	0.6	0.6	0.6
173.5°	1.0	0.6	0.6	0.6	0.6	0.6
174°	1.0	0.6	0.6	0.6	0.6	0.6
174.5°	1.0	0.6	0.6	0.6	0.6	0.6
175°	1.0	0.6	0.6	0.7	0.7	0.6
175.5°	1.0	0.6	0.6	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°	0.9	0.7	0.7	0.7	0.7	0.7
177.5°	0.9	0.7	0.7	0.7	0.7	0.7
178°	0.9	0.8	0.8	0.8	0.8	0.7
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	0.8	0.8	0.8	0.8	0.8



TEST NUMBER: P1590462

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-2700K

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: P1590462

CATALOG NUMBER: HCDLS1525CSD4TRC-ME-2700K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	5.1	6.1	5.5	6.4	6.8	6.1	7.1	6.5	7.4	7.8
	3H	5.0	5.9	5.4	6.3	6.6	6.0	6.9	6.4	7.3	7.6
	4H	4.9	5.8	5.3	6.1	6.5	6.0	6.8	6.4	7.2	7.5
	6H	4.8	5.6	5.3	6.0	6.4	5.9	6.6	6.3	7.0	7.4
	8H	4.8	5.5	5.2	5.9	6.3	5.8	6.5	6.2	6.9	7.3
	12H	4.7	5.4	5.2	5.8	6.2	5.7	6.4	6.2	6.8	7.3
4H	2H	4.9	5.8	5.3	6.1	6.5	5.9	6.7	6.3	7.1	7.5
	3H	4.9	5.5	5.3	6.0	6.4	5.8	6.5	6.3	6.9	7.3
	4H	4.8	5.4	5.2	5.8	6.3	5.8	6.4	6.2	6.8	7.2
	6H	4.7	5.2	5.2	5.7	6.1	5.7	6.2	6.1	6.6	7.1
	8H	4.6	5.1	5.1	5.5	6.0	5.6	6.1	6.1	6.5	7.0
	12H	4.5	5.0	5.0	5.5	5.9	5.5	6.0	6.0	6.4	6.9
8H	4H	4.6	5.1	5.1	5.6	6.0	5.6	6.1	6.1	6.5	7.0
	6H	4.5	4.9	5.0	5.4	5.9	5.5	5.9	6.0	6.4	6.9
	8H	4.4	4.8	5.0	5.3	5.8	5.4	5.8	6.0	6.3	6.8
	12H	4.4	4.7	4.9	5.2	5.8	5.4	5.7	5.9	6.2	6.7
12H	4H	4.6	5.0	5.1	5.5	5.9	5.5	6.0	6.0	6.4	6.9
	6H	4.4	4.8	5.0	5.3	5.8	5.4	5.8	6.0	6.2	6.8
	8H	4.4	4.7	4.9	5.2	5.8	5.4	5.7	5.9	6.2	6.7

(END OF REPORT)