

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: P1590492

Luminaire Tested: HCDLS1525CSD4TRMW-ME-2700K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590492
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: HCDLS1525CSD4TRMW-ME-2700K
Description: 4" Selectable Round Trim+Matte White (paintable) 2000 Lumens 2700K

Light Source:
Ballast/Driver: -

Summary

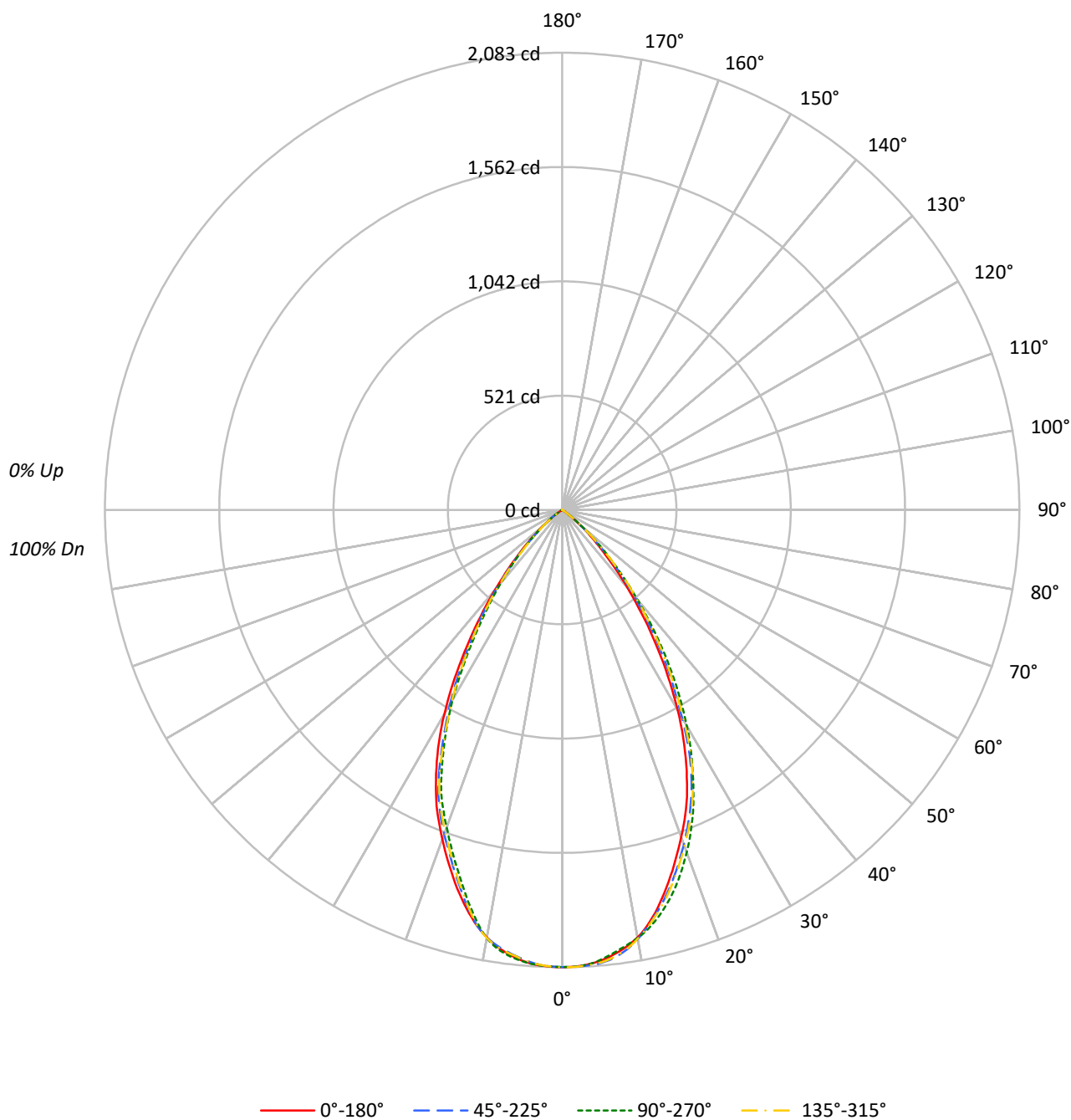
Lumens per Lamp: N/A
Luminaire Lumens: 2036.7 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	256892	256892	256892	256892
5°	254976	254431	255261	255607
10°	247654	247979	247616	247929
15°	230212	236686	231003	225066
20°	208207	217776	209559	202025
25°	182982	192591	185187	176368
30°	149720	161740	152953	141829
35°	111171	125145	113520	103070
40°	74148	86160	77127	69607
45°	43505	52174	46016	42528
50°	21281	24409	22797	21876
55°	6946	7376	7398	7484
60°	1628	1801	1678	1850
65°	788	905	817	934
70°	469	541	505	577
75°	238	334	286	334
80°	142	142	142	142
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 52174 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.2	9.5
10°-20°	504.3	24.8
20°-30°	616.2	30.3
30°-40°	469.4	23.0
40°-50°	209.3	10.3
50°-60°	37.9	1.9
60°-70°	3.3	0.2
70°-80°	0.7	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°	0.3	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	1314.7	64.6
0°-40°	1784.1	87.6
0°-60°	2031.3	99.7
0°-90°	2035.4	99.9
90°-120°	0.0	0.0
90°-150°	0.6	0.0
90°-180°	1.0	0.0
0°-180°	2036.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2083	2083	2083	2083	2083	
5°	2059	2055	2062	2064	2059	194
15°	1803	1854	1809	1762	1803	503
25°	1344	1415	1361	1296	1344	611
35°	738	831	754	684	738	461
45°	249	299	264	244	249	199
55°	32	34	34	35	32	36
65°	3	3	3	3	3	3
75°	0	1	1	1	0	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°	0	1	1	0	0	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°	2082.7	2082.7	2082.7	2082.7	2082.7	2082.7	2082.7	2082.7	2082.7	2082.7	2082.7
0.5°	2083.0	2082.3	2082.5	2083.0	2082.3	2082.5	2083.4	2083.0	2083.0	2082.3	2082.3
1°	2082.1	2082.1	2082.5	2083.0	2082.3	2082.5	2082.9	2082.9	2082.3	2081.6	2081.6
1.5°	2081.0	2081.4	2082.1	2082.3	2081.6	2082.1	2082.3	2082.1	2081.6	2080.5	2080.5
2°	2079.6	2080.3	2081.6	2081.4	2080.3	2080.8	2081.6	2081.4	2080.1	2078.5	2078.8
2.5°	2077.7	2079.6	2080.7	2079.8	2078.5	2079.0	2080.8	2080.3	2078.3	2076.3	2076.6
3°	2075.7	2078.5	2079.4	2077.6	2075.7	2076.8	2079.0	2079.0	2076.3	2073.2	2073.5
3.5°	2072.4	2077.2	2077.9	2074.8	2072.1	2073.9	2077.0	2077.2	2073.9	2069.3	2069.7
4°	2068.8	2075.4	2076.5	2071.2	2067.1	2069.9	2075.0	2075.4	2070.4	2064.6	2065.1
4.5°	2064.2	2072.8	2074.1	2066.6	2061.3	2064.9	2071.9	2072.8	2066.6	2059.1	2060.0
5°	2059.3	2069.7	2070.4	2060.9	2054.9	2058.9	2068.0	2069.9	2061.6	2053.0	2054.3
5.5°	2053.6	2065.5	2066.4	2055.1	2047.9	2052.7	2063.5	2065.9	2056.5	2046.5	2048.5
6°	2047.7	2060.4	2061.5	2048.3	2040.6	2045.7	2058.4	2061.1	2050.3	2039.7	2042.1
6.5°	2041.0	2054.5	2055.8	2041.5	2033.1	2038.6	2052.3	2055.4	2043.4	2032.7	2035.7
7°	2033.8	2047.4	2048.7	2034.2	2025.8	2031.3	2045.4	2048.7	2035.9	2025.2	2029.1
7.5°	2026.0	2039.3	2040.6	2026.3	2018.5	2023.4	2037.7	2040.8	2028.4	2017.7	2022.0
8°	2018.1	2030.6	2031.5	2017.7	2011.0	2015.4	2028.9	2031.5	2019.4	2010.1	2014.6
8.5°	2009.0	2020.5	2021.4	2008.8	2003.5	2007.5	2019.0	2021.8	2009.9	2001.5	2006.6
9°	1999.3	2009.3	2010.1	1999.5	1995.8	1998.5	2008.1	2010.4	1999.8	1992.7	1997.8
9.5°	1988.5	1997.1	1998.0	1989.4	1988.1	1989.2	1996.5	1998.0	1989.2	1983.0	1988.3
10°	1977.3	1984.1	1984.8	1978.6	1979.9	1979.2	1983.9	1984.8	1977.0	1972.8	1977.5
10.5°	1964.9	1970.0	1970.7	1967.1	1970.9	1968.9	1970.7	1970.4	1964.0	1960.5	1964.7
11°	1951.0	1955.2	1955.9	1954.8	1961.1	1957.6	1956.7	1955.9	1950.4	1947.7	1950.6
11.5°	1935.8	1939.1	1940.9	1942.0	1950.4	1945.9	1942.2	1940.6	1935.8	1933.4	1934.9
12°	1918.8	1922.5	1925.2	1927.8	1939.3	1933.2	1927.6	1924.7	1920.3	1916.8	1916.6
12.5°	1901.2	1905.3	1908.4	1914.0	1926.5	1919.3	1912.2	1908.2	1902.7	1898.9	1896.1
13°	1882.8	1887.9	1891.9	1899.0	1913.7	1905.6	1896.3	1890.6	1886.1	1880.2	1876.2
13.5°	1863.6	1869.4	1874.9	1884.0	1899.6	1891.5	1880.0	1873.6	1867.6	1860.5	1855.2
14°	1843.6	1850.6	1857.7	1867.8	1884.6	1876.0	1863.4	1855.3	1848.9	1840.2	1833.2
14.5°	1823.6	1831.6	1840.2	1851.7	1869.2	1860.3	1845.8	1837.2	1828.8	1819.1	1811.1
15°	1802.8	1812.2	1821.7	1834.7	1853.5	1843.4	1829.0	1818.6	1809.0	1797.8	1788.2
15.5°	1781.5	1792.3	1803.4	1816.9	1837.0	1826.5	1810.5	1799.5	1788.9	1776.3	1765.3
16°	1760.4	1771.9	1784.2	1797.9	1819.4	1808.5	1792.0	1779.6	1768.1	1753.9	1742.9
16.5°	1739.3	1751.9	1764.9	1779.7	1801.5	1790.1	1772.4	1759.5	1747.0	1731.9	1720.6
17°	1717.7	1731.4	1745.2	1760.5	1783.0	1771.1	1752.8	1739.0	1725.5	1709.9	1698.3
17.5°	1695.6	1710.6	1724.6	1740.8	1763.9	1751.6	1733.0	1717.8	1704.0	1688.0	1676.1
18°	1673.5	1689.2	1703.9	1720.2	1743.5	1732.0	1712.3	1696.9	1682.8	1666.2	1654.1
18.5°	1651.7	1667.6	1683.2	1699.6	1723.2	1711.4	1691.7	1676.2	1661.2	1644.2	1632.5
19°	1629.9	1646.1	1662.9	1678.9	1701.9	1690.6	1671.4	1655.2	1638.9	1622.9	1610.8
19.5°	1608.2	1624.7	1642.0	1657.8	1681.2	1669.6	1650.8	1633.5	1617.5	1601.7	1591.5
20°	1586.2	1602.9	1621.0	1636.6	1659.1	1648.8	1630.3	1612.9	1596.5	1580.5	1570.7
20.5°	1564.5	1581.8	1599.8	1615.2	1637.6	1627.5	1609.1	1592.6	1574.4	1559.2	1549.9
21°	1542.6	1559.6	1578.2	1593.2	1615.4	1605.2	1588.1	1571.4	1552.3	1538.0	1529.1
21.5°	1520.8	1537.9	1557.0	1570.9	1591.8	1582.3	1567.1	1550.2	1530.2	1516.8	1508.2
22°	1497.9	1515.2	1534.7	1547.5	1568.1	1559.3	1546.1	1529.0	1508.1	1495.6	1485.3

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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°	1475.0	1493.4	1512.4	1525.1	1544.5	1536.3	1525.0	1507.8	1487.9	1472.0	1462.7
23°	1450.0	1469.7	1489.9	1499.9	1520.9	1513.3	1504.0	1484.3	1463.8	1447.0	1439.0
23.5°	1425.2	1446.3	1467.0	1476.4	1497.2	1490.3	1480.2	1461.2	1438.9	1421.9	1413.9
24°	1398.9	1421.9	1442.9	1450.2	1469.7	1464.5	1456.9	1437.4	1413.2	1396.2	1386.7
24.5°	1372.3	1396.6	1419.5	1425.1	1443.0	1438.8	1432.8	1412.7	1387.1	1368.8	1358.4
25°	1344.5	1370.4	1394.5	1397.8	1415.1	1412.3	1408.1	1387.8	1360.7	1341.0	1329.0
25.5°	1317.2	1344.3	1369.2	1371.9	1388.1	1385.6	1382.5	1362.3	1333.8	1312.3	1298.3
26°	1289.5	1316.9	1342.7	1344.3	1360.8	1358.5	1356.5	1336.0	1306.9	1283.6	1266.0
26.5°	1262.6	1289.3	1315.6	1316.7	1333.1	1330.9	1329.1	1308.1	1279.0	1254.1	1233.6
27°	1233.5	1261.2	1286.2	1288.9	1305.3	1302.8	1300.8	1280.1	1251.4	1224.1	1201.8
27.5°	1205.0	1232.9	1255.8	1260.5	1278.4	1275.4	1271.8	1251.4	1223.7	1193.2	1170.9
28°	1175.3	1204.1	1224.2	1231.7	1250.8	1247.5	1240.5	1221.8	1194.8	1163.0	1140.3
28.5°	1145.6	1173.0	1191.4	1202.0	1222.9	1218.4	1209.4	1191.4	1165.6	1132.1	1109.4
29°	1114.3	1143.3	1158.2	1172.4	1194.7	1190.0	1176.9	1160.0	1135.6	1101.8	1080.2
29.5°	1083.7	1112.2	1123.8	1142.6	1165.9	1160.5	1143.8	1127.4	1104.9	1072.0	1050.8
30°	1051.2	1079.9	1090.3	1111.5	1135.6	1130.6	1109.3	1093.9	1073.9	1042.0	1021.3
30.5°	1019.8	1046.3	1057.1	1079.3	1105.5	1099.3	1075.5	1060.0	1041.7	1011.7	991.4
31°	988.4	1013.8	1025.0	1047.4	1075.0	1068.4	1042.7	1026.2	1010.2	982.3	961.0
31.5°	957.4	979.4	993.6	1015.3	1044.6	1036.8	1010.8	992.2	977.6	952.9	930.6
32°	925.9	946.2	963.2	982.7	1013.8	1004.8	980.0	959.5	946.8	923.7	899.7
32.5°	895.7	912.3	932.9	950.7	984.0	973.0	949.3	927.7	913.3	893.8	869.0
33°	865.2	881.2	903.8	918.9	954.1	940.6	920.5	896.4	880.7	864.8	837.9
33.5°	834.7	848.1	874.2	887.0	923.8	908.7	891.0	866.0	848.1	834.6	806.6
34°	804.5	818.1	844.9	856.9	892.8	877.6	862.0	836.2	816.8	804.6	777.3
34.5°	773.9	786.8	814.5	827.0	861.9	847.0	832.8	806.8	784.5	774.2	747.2
35°	738.3	756.8	784.4	798.0	831.1	816.9	803.6	778.4	753.9	743.1	719.3
35.5°	710.0	727.9	755.4	769.7	800.4	787.3	773.8	748.8	724.0	712.8	692.0
36°	681.7	699.0	726.7	742.5	768.9	758.4	744.5	719.2	695.4	683.0	665.3
36.5°	653.4	670.1	698.1	714.3	738.3	729.1	715.1	690.0	665.7	653.6	638.2
37°	625.1	641.2	669.4	686.1	707.6	700.7	686.0	661.1	637.4	624.9	612.5
37.5°	595.8	612.3	640.8	657.9	677.6	672.6	657.3	631.6	609.9	596.4	586.1
38°	567.1	586.1	612.1	629.7	648.2	644.8	630.4	603.7	582.8	569.3	560.2
38.5°	539.3	559.2	585.7	601.8	618.7	616.8	603.3	576.4	555.9	542.8	533.9
39°	512.7	533.7	560.3	575.0	590.3	590.6	577.6	549.8	530.0	516.9	508.6
39.5°	486.2	508.0	534.2	548.1	562.4	563.1	552.1	524.4	504.3	490.6	483.3
40°	460.5	483.4	508.8	521.6	535.1	537.1	526.9	500.0	479.0	465.2	458.6
40.5°	436.2	459.8	484.1	495.8	508.7	509.8	501.7	475.5	453.9	440.3	434.2
41°	412.4	436.0	459.3	470.7	482.4	484.4	476.9	452.1	429.6	416.3	411.0
41.5°	389.0	412.7	434.2	446.2	457.5	458.6	452.3	429.1	406.3	392.6	388.6
42°	367.1	391.1	411.0	422.6	433.0	434.2	427.8	407.1	383.6	369.3	367.1
42.5°	345.9	369.1	387.6	399.1	409.4	409.5	403.5	384.8	361.8	347.3	345.2
43°	325.2	347.7	365.0	375.2	386.1	386.1	380.0	363.5	341.0	326.1	324.2
43.5°	304.8	326.0	342.6	352.2	363.2	362.6	357.2	342.3	320.1	305.7	303.0
44°	285.9	305.6	322.2	329.6	340.9	340.7	335.2	321.9	300.8	286.3	283.6
44.5°	267.3	285.9	301.6	307.7	319.5	318.6	313.6	301.4	281.8	267.7	263.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	249.4	267.0	282.0	286.4	299.1	297.8	293.1	282.1	263.8	249.6	244.4
45.5°	232.1	248.3	263.0	265.4	278.5	276.7	273.3	263.2	246.3	232.4	225.8
46°	216.3	230.9	244.3	245.7	259.1	257.1	253.9	244.9	229.0	216.0	209.3
46.5°	200.4	213.4	225.9	226.6	239.8	237.5	235.6	226.9	213.1	201.8	194.5
47°	185.7	197.9	208.3	208.6	222.1	219.0	217.2	209.9	198.9	187.6	179.7
47.5°	171.3	182.0	191.2	191.1	205.9	203.0	201.2	194.8	184.8	173.3	164.9
48°	158.2	167.6	175.0	174.8	189.7	186.9	185.3	179.8	170.7	159.1	150.1
48.5°	145.2	153.1	159.3	159.3	173.5	170.9	169.4	164.8	156.6	144.9	138.0
49°	133.3	140.1	144.5	145.0	157.3	154.8	153.5	149.7	142.4	133.0	127.0
49.5°	122.0	127.6	130.2	131.4	141.2	138.8	137.6	134.8	130.3	121.7	116.9
50°	110.9	115.7	117.0	118.4	127.2	125.5	124.3	122.3	118.8	111.2	107.4
50.5°	100.4	104.0	104.8	106.1	114.0	112.8	111.7	110.3	107.9	101.3	98.4
51°	90.9	93.7	93.7	94.8	102.0	101.3	100.2	99.1	97.4	92.1	90.0
51.5°	81.6	83.7	83.2	84.2	90.5	90.3	89.5	88.6	87.7	83.5	82.1
52°	73.1	74.6	73.8	74.7	80.1	80.2	79.4	78.9	78.3	75.2	74.4
52.5°	65.7	67.0	66.3	67.0	70.3	70.6	70.1	69.7	69.4	67.4	67.0
53°	58.3	59.5	58.8	59.3	61.4	62.0	61.5	61.2	61.1	59.8	59.8
53.5°	50.9	52.0	51.3	51.6	53.2	53.8	53.6	53.3	53.5	52.7	53.1
54°	43.5	44.4	43.8	44.0	45.9	46.6	46.6	46.0	46.3	46.1	46.7
54.5°	37.6	36.9	36.3	36.4	39.6	40.3	40.2	39.6	40.0	40.0	40.7
55°	32.3	31.7	31.2	31.3	34.3	34.8	34.7	34.2	34.4	34.5	35.2
55.5°	27.5	26.8	26.4	26.3	29.3	29.8	29.8	29.2	29.4	29.6	30.3
56°	22.7	22.0	21.5	21.5	24.4	24.8	24.7	26.0	25.7	26.3	25.4
56.5°	18.4	17.8	17.4	17.4	21.6	21.9	21.9	22.8	22.1	23.0	22.3
57°	14.9	14.4	14.1	14.3	18.8	19.1	19.1	19.6	18.5	19.7	19.3
57.5°	12.3	11.9	11.7	12.0	15.9	16.3	16.2	16.5	15.0	16.4	16.3
58°	10.4	10.1	10.0	10.2	13.1	13.5	13.4	13.3	11.4	13.1	13.3
58.5°	9.0	8.7	8.7	8.9	10.3	10.7	10.6	10.1	9.8	9.8	10.3
59°	7.9	7.6	7.6	7.8	9.1	9.4	9.3	8.8	8.6	8.5	8.8
59.5°	7.2	7.0	7.0	7.2	8.1	8.4	8.3	7.9	7.6	7.5	7.8
60°	6.6	6.4	6.3	6.6	7.3	7.6	7.4	7.0	6.8	6.7	6.9
60.5°	5.9	5.7	5.7	5.9	6.6	6.9	6.7	6.3	6.1	6.0	6.2
61°	5.3	5.1	5.1	5.3	6.0	6.2	6.1	5.7	5.5	5.5	5.6
61.5°	4.8	4.7	4.7	4.8	5.5	5.7	5.6	5.2	5.0	5.0	5.1
62°	4.4	4.3	4.3	4.4	5.0	5.2	5.1	4.8	4.6	4.5	4.7
62.5°	4.0	3.9	3.9	4.1	4.6	4.8	4.7	4.4	4.2	4.2	4.3
63°	3.7	3.6	3.6	3.8	4.2	4.4	4.3	4.1	3.9	3.8	3.9
63.5°	3.4	3.3	3.3	3.5	3.9	4.1	4.0	3.7	3.6	3.5	3.6
64°	3.1	3.1	3.1	3.2	3.6	3.8	3.7	3.5	3.3	3.3	3.4
64.5°	2.9	2.8	2.9	3.0	3.4	3.5	3.4	3.2	3.1	3.0	3.1
65°	2.7	2.6	2.6	2.8	3.1	3.3	3.2	3.0	2.8	2.8	2.9
65.5°	2.5	2.4	2.5	2.6	2.9	3.1	3.0	2.8	2.6	2.6	2.7
66°	2.3	2.3	2.3	2.4	2.7	2.8	2.8	2.6	2.5	2.4	2.5
66.5°	2.1	2.1	2.1	2.2	2.5	2.6	2.6	2.4	2.3	2.3	2.3
67°	2.0	1.9	2.0	2.1	2.3	2.5	2.4	2.2	2.1	2.1	2.2

TEST NUMBER: P1590492

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	1.8	1.8	1.8	1.9	2.2	2.3	2.2	2.1	2.0	1.9	2.0
68°	1.7	1.7	1.7	1.8	2.0	2.1	2.1	1.9	1.8	1.8	1.9
68.5°	1.6	1.6	1.6	1.7	1.9	2.0	1.9	1.8	1.7	1.7	1.7
69°	1.5	1.4	1.5	1.5	1.8	1.9	1.8	1.7	1.6	1.6	1.6
69.5°	1.4	1.3	1.4	1.4	1.6	1.7	1.7	1.5	1.5	1.5	1.5
70°	1.3	1.2	1.3	1.3	1.5	1.6	1.5	1.4	1.4	1.4	1.4
70.5°	1.2	1.1	1.2	1.2	1.4	1.5	1.4	1.3	1.3	1.3	1.3
71°	1.1	1.1	1.1	1.1	1.3	1.4	1.3	1.2	1.2	1.2	1.2
71.5°	1.0	1.0	1.0	1.1	1.2	1.3	1.2	1.1	1.1	1.1	1.1
72°	0.9	0.9	0.9	1.0	1.1	1.2	1.1	1.1	1.0	1.0	1.0
72.5°	0.8	0.8	0.8	0.9	1.1	1.1	1.1	1.0	0.9	0.9	1.0
73°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	0.9	0.9	0.8	0.9
73.5°	0.7	0.7	0.7	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8
74°	0.6	0.6	0.6	0.7	0.8	0.9	0.8	0.8	0.7	0.7	0.8
74.5°	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.7	0.7	0.7	0.7
75°	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6
75.5°	0.5	0.5	0.5	0.5	0.6	0.7	0.6	0.6	0.6	0.5	0.6
76°	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
76.5°	0.4	0.4	0.4	0.4	0.5	0.6	0.5	0.5	0.5	0.5	0.5
77°	0.4	0.3	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4
77.5°	0.3	0.3	0.3	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4
78°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3
78.5°	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3
79°	0.2	0.2	0.2	0.2	0.3	0.3	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	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2
80.5°	0.1	0.1	0.1	0.1	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	0.1	0.1	0.1	0.1
81.5°	0.1	0.1	0.1	0.1	0.1	0.2	0.1	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	0.0	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	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0	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: P1590492

CATALOG NUMBER: HCDLS1525CSD4TRMW-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: P1590492

CATALOG NUMBER: HCDLS1525CSD4TRMW-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	0.0	0.0	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	0.0	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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
129°	0.2	0.2	0.2	0.2	0.1	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	0.2
132°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
132.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
133°	0.2	0.2	0.2	0.2	0.2	0.2	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°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
134.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3

TEST NUMBER: P1590492

CATALOG NUMBER: HCDLS1525CSD4TRMW-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	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
135.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
136°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
136.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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	0.4
138.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
139°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
139.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5
140°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
140.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
141°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
141.5°	0.4	0.4	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
142°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6
142.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	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	0.6	0.6
144°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
144.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
145°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.7	0.7
145.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.7	0.7	0.7	0.7
146°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
146.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
147°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
147.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
148°	0.5	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.8	0.8
148.5°	0.5	0.4	0.4	0.4	0.7	0.7	0.7	0.8	0.8	0.8	0.8
149°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
149.5°	0.5	0.5	0.4	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
151°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.9	0.9
151.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.9	0.9	0.9
152°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
153°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
153.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
154°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
154.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	1.0	0.9
155°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	1.0	1.0	1.0
155.5°	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
156°	0.6	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
156.5°	0.6	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
157°	0.6	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TEST NUMBER: P1590492

CATALOG NUMBER: HCDLS1525CSD4TRMW-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	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
158°	0.6	0.6	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
158.5°	0.6	0.6	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
159°	0.6	0.6	0.6	0.5	1.0	1.0	1.0	1.0	1.1	1.1	1.1
159.5°	0.6	0.6	0.6	0.5	1.0	1.0	1.0	1.1	1.1	1.1	1.1
160°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
160.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
161°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
161.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
162°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
162.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
163°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
163.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
164°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
164.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
165°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
165.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
166°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
166.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
167°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
167.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
168°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
168.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
169°	0.6	0.6	0.6	0.6	1.0	1.1	1.1	1.1	1.1	1.1	1.1
169.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.1	1.1	1.1	1.1	1.1
170°	0.6	0.6	0.6	0.6	1.0	1.0	1.1	1.1	1.1	1.0	1.0
170.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
171°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
171.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
172°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
172.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
173°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
173.5°	0.6	0.6	0.6	0.6	0.9	1.0	1.0	1.0	1.0	1.0	1.0
174°	0.6	0.6	0.6	0.6	0.9	0.9	1.0	1.0	1.0	0.9	0.9
174.5°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9
175°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9
175.5°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9
176°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9
176.5°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9
177°	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.9	0.9	0.9	0.9
177.5°	0.7	0.7	0.7	0.6	0.8	0.9	0.9	0.9	0.9	0.9	0.9
178°	0.7	0.7	0.7	0.7	0.8	0.8	0.9	0.9	0.9	0.8	0.8
178.5°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
179°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
179.5°	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



TEST NUMBER: P1590492

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

TEST NUMBER: P1590492

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2082.7	2082.7	2082.7	2082.7	2082.7	2082.7
0.5°	2082.9	2081.4	2082.1	2082.9	2082.7	2083.0
1°	2082.3	2080.8	2081.6	2081.9	2081.8	2082.1
1.5°	2081.4	2079.9	2080.8	2080.7	2080.3	2081.0
2°	2080.3	2078.8	2079.2	2078.5	2078.3	2079.6
2.5°	2078.3	2077.6	2077.6	2076.3	2076.1	2077.7
3°	2076.5	2076.3	2075.7	2073.2	2072.4	2075.7
3.5°	2073.7	2074.1	2073.0	2069.5	2068.2	2072.4
4°	2070.6	2071.3	2069.9	2065.1	2063.7	2068.8
4.5°	2066.4	2068.2	2066.2	2060.4	2058.5	2064.2
5°	2062.0	2064.4	2062.2	2054.9	2052.7	2059.3
5.5°	2057.4	2060.2	2057.6	2049.4	2046.6	2053.6
6°	2052.1	2055.2	2052.7	2043.7	2040.1	2047.7
6.5°	2046.3	2049.9	2047.0	2037.9	2034.0	2041.0
7°	2040.1	2043.2	2041.0	2031.6	2027.1	2033.8
7.5°	2033.3	2036.0	2033.7	2025.4	2020.5	2026.0
8°	2025.6	2027.6	2025.8	2017.7	2013.2	2018.1
8.5°	2017.6	2018.1	2016.7	2010.3	2005.5	2009.0
9°	2007.9	2006.8	2006.4	2001.1	1996.9	1999.3
9.5°	1997.3	1994.3	1994.5	1991.2	1987.4	1988.5
10°	1984.8	1979.5	1980.8	1979.2	1977.0	1977.3
10.5°	1970.6	1963.2	1964.9	1966.4	1965.3	1964.9
11°	1954.6	1944.8	1947.3	1951.0	1951.9	1951.0
11.5°	1935.8	1924.1	1927.4	1933.6	1936.7	1935.8
12°	1915.9	1902.0	1906.2	1913.9	1919.0	1918.8
12.5°	1894.5	1880.0	1884.0	1893.6	1900.0	1901.2
13°	1872.7	1856.8	1861.0	1871.8	1880.8	1882.8
13.5°	1850.2	1834.3	1838.0	1849.5	1860.3	1863.6
14°	1827.3	1810.3	1814.6	1826.7	1838.7	1843.6
14.5°	1803.8	1786.7	1791.0	1804.1	1816.9	1823.6
15°	1780.4	1762.5	1767.0	1780.4	1794.8	1802.8
15.5°	1757.5	1739.3	1743.9	1758.2	1772.1	1781.5
16°	1734.8	1716.4	1721.4	1735.1	1749.5	1760.4
16.5°	1711.9	1694.5	1699.0	1713.0	1728.1	1739.3
17°	1689.9	1671.6	1676.2	1691.0	1705.7	1717.7
17.5°	1668.2	1649.3	1654.7	1668.6	1684.0	1695.6
18°	1646.4	1626.8	1632.2	1646.6	1661.4	1673.5
18.5°	1624.1	1604.6	1610.0	1625.0	1639.5	1651.7
19°	1603.0	1582.6	1588.8	1603.1	1617.1	1629.9
19.5°	1582.4	1560.1	1567.2	1581.8	1595.5	1608.2
20°	1561.9	1539.1	1546.5	1560.3	1573.2	1586.2
20.5°	1541.3	1517.1	1524.9	1539.6	1551.7	1564.5
21°	1520.8	1496.3	1503.7	1517.6	1529.7	1542.6
21.5°	1500.2	1474.5	1482.5	1496.2	1507.5	1520.8
22°	1479.1	1453.2	1461.3	1474.3	1485.9	1497.9

TEST NUMBER: P1590492

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1457.3	1431.2	1438.9	1452.5	1462.7	1475.0
23°	1433.4	1407.5	1414.9	1428.9	1438.2	1450.0
23.5°	1407.6	1382.0	1389.8	1403.9	1413.7	1425.2
24°	1381.5	1354.5	1363.1	1377.1	1387.1	1398.9
24.5°	1354.3	1324.4	1335.4	1348.4	1359.0	1372.3
25°	1325.9	1295.9	1306.4	1318.8	1329.6	1344.5
25.5°	1296.1	1266.8	1277.0	1287.9	1300.3	1317.2
26°	1266.3	1238.0	1247.1	1256.1	1270.0	1289.5
26.5°	1235.3	1207.9	1216.8	1224.2	1239.0	1262.6
27°	1203.5	1179.5	1186.2	1191.8	1206.6	1233.5
27.5°	1171.2	1150.4	1154.4	1159.5	1175.0	1205.0
28°	1138.1	1120.3	1122.8	1127.6	1145.0	1175.3
28.5°	1105.6	1090.1	1091.7	1095.9	1114.9	1145.6
29°	1073.9	1059.5	1060.6	1065.1	1085.4	1114.3
29.5°	1042.8	1027.8	1029.3	1034.7	1056.3	1083.7
30°	1011.8	995.8	997.2	1004.9	1027.7	1051.2
30.5°	980.6	962.5	965.3	974.8	998.3	1019.8
31°	950.4	930.9	933.5	944.7	969.0	988.4
31.5°	920.0	898.3	902.1	914.7	939.1	957.4
32°	890.2	866.6	871.2	884.4	908.3	925.9
32.5°	860.5	835.6	840.6	854.2	877.6	895.7
33°	830.7	805.1	811.0	824.0	846.6	865.2
33.5°	800.6	773.9	781.9	793.0	815.2	834.7
34°	771.2	739.6	754.5	763.6	783.7	804.5
34.5°	741.7	712.0	725.9	735.5	753.5	773.9
35°	713.3	684.5	697.4	707.5	724.9	738.3
35.5°	684.6	657.0	668.8	679.5	696.3	710.0
36°	657.4	629.4	640.3	651.5	667.7	681.7
36.5°	629.8	602.8	611.8	623.5	639.1	653.4
37°	602.6	576.5	584.7	597.2	610.5	625.1
37.5°	575.9	550.9	558.0	571.0	584.0	595.8
38°	549.9	526.5	531.6	545.9	557.7	567.1
38.5°	524.6	502.3	506.0	520.3	531.1	539.3
39°	500.0	479.1	482.8	495.5	505.6	512.7
39.5°	475.5	455.4	459.2	470.3	479.9	486.2
40°	451.2	432.3	436.0	446.1	454.3	460.5
40.5°	428.2	410.5	413.7	421.9	428.7	436.2
41°	405.7	389.4	392.5	398.5	404.7	412.4
41.5°	383.9	368.9	371.5	376.0	380.6	389.0
42°	362.5	349.2	351.1	354.2	358.0	367.1
42.5°	341.5	330.2	331.4	332.2	335.7	345.9
43°	321.6	312.0	312.1	312.4	315.0	325.2
43.5°	302.3	294.0	293.6	291.9	294.5	304.8
44°	284.0	276.7	275.9	272.5	275.0	285.9
44.5°	266.2	259.9	258.9	253.4	255.9	267.3

TEST NUMBER: P1590492

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	249.0	243.8	242.3	235.6	237.7	249.4
45.5°	232.6	228.3	226.7	218.2	220.6	232.1
46°	216.8	213.6	211.7	201.8	204.2	216.3
46.5°	202.0	199.1	197.2	186.3	188.4	200.4
47°	188.4	185.2	183.3	172.0	173.5	185.7
47.5°	174.8	172.0	169.8	158.7	159.9	171.3
48°	161.3	159.2	157.1	146.1	147.2	158.2
48.5°	147.7	147.3	145.1	134.7	135.5	145.2
49°	135.8	135.7	133.6	124.2	124.1	133.3
49.5°	124.4	124.6	122.6	114.4	114.4	122.0
50°	114.1	114.0	112.0	105.2	104.8	110.9
50.5°	104.1	103.9	102.1	96.4	96.0	100.4
51°	94.8	94.3	92.9	88.2	87.4	90.9
51.5°	85.9	85.1	84.1	80.3	79.6	81.6
52°	77.7	76.5	75.7	72.7	72.7	73.1
52.5°	69.6	69.3	68.6	65.9	65.7	65.7
53°	62.0	62.0	61.6	59.1	58.7	58.3
53.5°	55.1	54.8	54.6	52.3	51.7	50.9
54°	48.3	47.6	47.6	45.6	44.7	43.5
54.5°	41.9	40.3	40.5	39.8	38.7	37.6
55°	36.4	34.8	35.1	34.6	33.4	32.3
55.5°	31.4	30.0	30.3	29.7	28.8	27.5
56°	26.6	25.1	25.5	25.0	24.1	22.7
56.5°	23.4	20.7	21.1	20.6	19.7	18.4
57°	20.3	17.0	17.3	16.8	15.9	14.9
57.5°	17.1	14.2	14.5	14.0	13.2	12.3
58°	14.0	12.1	12.4	12.0	11.2	10.4
58.5°	10.8	10.5	10.8	10.4	9.7	9.0
59°	9.4	9.2	9.5	9.1	8.5	7.9
59.5°	8.3	8.1	8.4	8.1	7.5	7.2
60°	7.4	7.5	7.5	7.5	6.9	6.6
60.5°	6.7	7.0	7.0	6.9	6.3	5.9
61°	6.0	6.4	6.5	6.3	5.7	5.3
61.5°	5.5	5.8	5.9	5.7	5.1	4.8
62°	5.0	5.2	5.4	5.1	4.7	4.4
62.5°	4.6	4.8	4.9	4.7	4.3	4.0
63°	4.2	4.4	4.6	4.3	4.0	3.7
63.5°	3.9	4.1	4.2	4.0	3.7	3.4
64°	3.6	3.7	3.9	3.7	3.4	3.1
64.5°	3.3	3.5	3.6	3.4	3.1	2.9
65°	3.1	3.2	3.4	3.2	2.9	2.7
65.5°	2.9	3.0	3.1	3.0	2.7	2.5
66°	2.7	2.8	2.9	2.7	2.5	2.3
66.5°	2.5	2.6	2.7	2.6	2.3	2.1
67°	2.3	2.4	2.5	2.4	2.1	2.0

TEST NUMBER: P1590492

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	2.1	2.2	2.3	2.2	2.0	1.8
68°	2.0	2.1	2.2	2.0	1.8	1.7
68.5°	1.9	1.9	2.0	1.9	1.7	1.6
69°	1.7	1.8	1.9	1.8	1.6	1.5
69.5°	1.6	1.7	1.8	1.6	1.5	1.4
70°	1.5	1.6	1.6	1.5	1.4	1.3
70.5°	1.4	1.5	1.5	1.4	1.3	1.2
71°	1.3	1.4	1.4	1.3	1.2	1.1
71.5°	1.2	1.3	1.3	1.2	1.1	1.0
72°	1.1	1.2	1.2	1.1	1.0	0.9
72.5°	1.0	1.1	1.1	1.0	0.9	0.8
73°	1.0	1.0	1.0	1.0	0.9	0.8
73.5°	0.9	0.9	1.0	0.9	0.8	0.7
74°	0.8	0.8	0.9	0.8	0.7	0.6
74.5°	0.7	0.8	0.8	0.8	0.7	0.6
75°	0.7	0.7	0.7	0.7	0.6	0.5
75.5°	0.6	0.7	0.7	0.6	0.6	0.5
76°	0.6	0.6	0.6	0.6	0.5	0.4
76.5°	0.5	0.5	0.6	0.5	0.5	0.4
77°	0.5	0.5	0.5	0.5	0.4	0.4
77.5°	0.4	0.4	0.5	0.4	0.4	0.3
78°	0.4	0.4	0.4	0.4	0.3	0.3
78.5°	0.3	0.4	0.4	0.3	0.3	0.2
79°	0.3	0.3	0.3	0.3	0.3	0.2
79.5°	0.3	0.3	0.3	0.3	0.2	0.2
80°	0.2	0.2	0.3	0.2	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	0.1	0.2	0.1	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: P1590492

CATALOG NUMBER: HCDLS1525CSD4TRMW-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: P1590492

CATALOG NUMBER: HCDLS1525CSD4TRMW-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	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.1	0.1	0.1	0.0	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°	0.0	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	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.2	0.2	0.2	0.2	0.1	0.1
128.5°	0.2	0.2	0.2	0.2	0.2	0.1
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°	0.2	0.2	0.2	0.2	0.2	0.2
132°	0.2	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	0.2	0.2	0.2	0.2	0.2
133.5°	0.3	0.2	0.2	0.2	0.2	0.2
134°	0.3	0.2	0.2	0.2	0.2	0.2
134.5°	0.3	0.3	0.3	0.3	0.2	0.2

TEST NUMBER: P1590492

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.3	0.3	0.3	0.3	0.3	0.3
135.5°	0.3	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°	0.4	0.3	0.3	0.3	0.3	0.3
138.5°	0.4	0.3	0.3	0.3	0.3	0.3
139°	0.5	0.3	0.3	0.3	0.3	0.3
139.5°	0.5	0.3	0.3	0.3	0.3	0.3
140°	0.5	0.3	0.3	0.3	0.3	0.3
140.5°	0.5	0.4	0.4	0.3	0.3	0.3
141°	0.5	0.4	0.4	0.4	0.4	0.3
141.5°	0.5	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°	0.6	0.4	0.4	0.4	0.4	0.4
144°	0.6	0.4	0.4	0.4	0.4	0.4
144.5°	0.6	0.4	0.4	0.4	0.4	0.4
145°	0.7	0.4	0.4	0.4	0.4	0.4
145.5°	0.7	0.4	0.4	0.4	0.4	0.4
146°	0.7	0.4	0.4	0.4	0.4	0.4
146.5°	0.7	0.4	0.4	0.4	0.4	0.4
147°	0.7	0.4	0.4	0.4	0.4	0.4
147.5°	0.7	0.5	0.5	0.5	0.5	0.4
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°	0.8	0.5	0.5	0.5	0.5	0.5
149.5°	0.8	0.5	0.5	0.5	0.5	0.5
150°	0.8	0.5	0.5	0.5	0.5	0.5
150.5°	0.8	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°	0.9	0.5	0.5	0.5	0.5	0.5
152.5°	0.9	0.5	0.5	0.5	0.5	0.5
153°	0.9	0.5	0.5	0.5	0.5	0.5
153.5°	0.9	0.5	0.5	0.5	0.5	0.5
154°	0.9	0.5	0.5	0.5	0.5	0.5
154.5°	0.9	0.5	0.5	0.5	0.5	0.5
155°	1.0	0.5	0.5	0.5	0.5	0.5
155.5°	1.0	0.5	0.5	0.5	0.5	0.5
156°	1.0	0.5	0.5	0.6	0.6	0.6
156.5°	1.0	0.5	0.5	0.6	0.6	0.6
157°	1.0	0.5	0.5	0.6	0.6	0.6

TEST NUMBER: P1590492

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.0	0.5	0.5	0.6	0.6	0.6
158°	1.0	0.5	0.6	0.6	0.6	0.6
158.5°	1.0	0.5	0.6	0.6	0.6	0.6
159°	1.0	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°	1.1	0.6	0.6	0.6	0.6	0.6
160.5°	1.1	0.6	0.6	0.6	0.6	0.6
161°	1.1	0.6	0.6	0.6	0.6	0.6
161.5°	1.1	0.6	0.6	0.6	0.6	0.6
162°	1.1	0.6	0.6	0.6	0.6	0.6
162.5°	1.1	0.6	0.6	0.6	0.6	0.6
163°	1.1	0.6	0.6	0.6	0.6	0.6
163.5°	1.1	0.6	0.6	0.6	0.6	0.6
164°	1.1	0.6	0.6	0.6	0.6	0.6
164.5°	1.1	0.6	0.6	0.6	0.6	0.6
165°	1.1	0.6	0.6	0.6	0.6	0.6
165.5°	1.1	0.6	0.6	0.6	0.6	0.6
166°	1.1	0.6	0.6	0.6	0.6	0.6
166.5°	1.1	0.6	0.6	0.6	0.6	0.6
167°	1.1	0.6	0.6	0.6	0.6	0.6
167.5°	1.1	0.6	0.6	0.6	0.6	0.6
168°	1.1	0.6	0.6	0.6	0.6	0.6
168.5°	1.1	0.6	0.6	0.6	0.6	0.6
169°	1.1	0.6	0.6	0.6	0.6	0.6
169.5°	1.1	0.6	0.6	0.6	0.6	0.6
170°	1.0	0.6	0.6	0.6	0.6	0.6
170.5°	1.0	0.6	0.6	0.6	0.6	0.6
171°	1.0	0.6	0.6	0.6	0.6	0.6
171.5°	1.0	0.6	0.6	0.6	0.6	0.6
172°	1.0	0.6	0.6	0.6	0.6	0.6
172.5°	1.0	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°	0.9	0.6	0.6	0.6	0.6	0.6
174.5°	0.9	0.6	0.6	0.6	0.6	0.6
175°	0.9	0.6	0.6	0.6	0.6	0.6
175.5°	0.9	0.6	0.6	0.6	0.6	0.6
176°	0.9	0.6	0.6	0.6	0.6	0.6
176.5°	0.9	0.6	0.6	0.6	0.6	0.6
177°	0.9	0.6	0.7	0.7	0.7	0.6
177.5°	0.8	0.7	0.7	0.7	0.7	0.7
178°	0.8	0.7	0.7	0.7	0.7	0.7
178.5°	0.8	0.7	0.7	0.7	0.7	0.7
179°	0.8	0.7	0.8	0.8	0.7	0.7
179.5°	0.8	0.8	0.8	0.8	0.8	0.8



TEST NUMBER: P1590492

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.8	0.8	0.8	0.8	0.8	0.8

TEST NUMBER: P1590492

CATALOG NUMBER: HCDLS1525CSD4TRMW-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	4.8	5.8	5.1	6.1	6.5	5.8	6.8	6.2	7.2	7.5
	3H	4.7	5.6	5.1	6.0	6.3	5.7	6.6	6.1	7.0	7.4
	4H	4.6	5.5	5.1	5.8	6.2	5.7	6.5	6.1	6.9	7.3
	6H	4.5	5.3	5.0	5.7	6.1	5.6	6.3	6.0	6.7	7.1
	8H	4.5	5.2	4.9	5.6	6.0	5.5	6.2	6.0	6.6	7.0
	12H	4.4	5.1	4.9	5.5	5.9	5.5	6.1	5.9	6.5	7.0
4H	2H	4.6	5.4	5.0	5.8	6.2	5.6	6.4	6.0	6.8	7.2
	3H	4.6	5.2	5.0	5.7	6.1	5.6	6.2	6.0	6.6	7.0
	4H	4.5	5.1	4.9	5.5	6.0	5.5	6.1	5.9	6.5	6.9
	6H	4.4	4.9	4.9	5.4	5.8	5.4	5.9	5.8	6.3	6.8
	8H	4.3	4.8	4.8	5.2	5.7	5.3	5.8	5.8	6.2	6.7
	12H	4.3	4.7	4.7	5.2	5.6	5.2	5.7	5.7	6.2	6.6
8H	4H	4.3	4.8	4.8	5.3	5.7	5.3	5.8	5.8	6.2	6.7
	6H	4.2	4.6	4.7	5.1	5.6	5.2	5.6	5.7	6.1	6.6
	8H	4.1	4.5	4.7	5.0	5.5	5.1	5.5	5.7	6.0	6.5
	12H	4.1	4.4	4.6	4.9	5.5	5.1	5.4	5.6	5.9	6.5
12H	4H	4.3	4.7	4.8	5.2	5.6	5.2	5.7	5.7	6.1	6.6
	6H	4.1	4.5	4.7	5.0	5.5	5.1	5.5	5.7	5.9	6.5
	8H	4.1	4.4	4.6	4.9	5.5	5.1	5.4	5.6	5.9	6.5

(END OF REPORT)