

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: P1590494

Luminaire Tested: HCDLS1525CSD4TRMW-ME-3500K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590494
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-3500K
Description: 4" Selectable Round Trim+Matte White (paintable) 2000 Lumens 3500K

Light Source:
Ballast/Driver: -

Summary

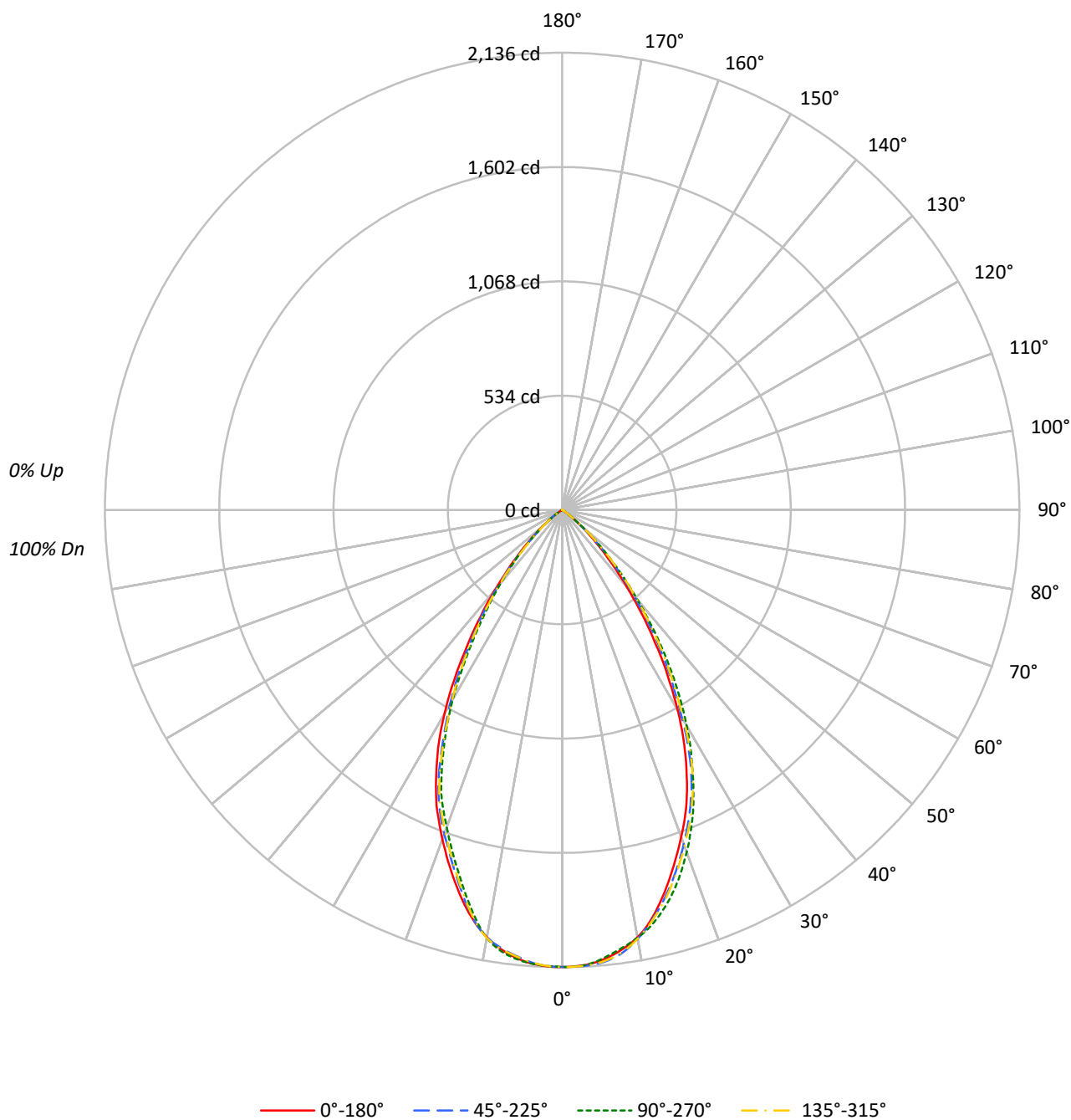
Lumens per Lamp: N/A
Luminaire Lumens: 2087.8 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	263343	263343	263343	263343
5°	261377	260820	261674	262021
10°	253879	254204	253828	254154
15°	235996	242637	236814	230710
20°	213445	223250	214823	207092
25°	187582	197436	189828	180791
30°	153480	165800	156798	145390
35°	113957	128277	116366	105660
40°	76016	88317	79059	71362
45°	44586	53482	47168	43592
50°	21818	25023	23372	22432
55°	7118	7548	7570	7677
60°	1653	1826	1727	1900
65°	788	934	846	963
70°	469	577	505	577
75°	286	334	286	334
80°	142	142	142	213
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 53482 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.1	9.5
10°-20°	517.0	24.8
20°-30°	631.6	30.3
30°-40°	481.2	23.0
40°-50°	214.6	10.3
50°-60°	38.9	1.9
60°-70°	3.4	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°	0.3	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	1347.7	64.6
0°-40°	1828.9	87.6
0°-60°	2082.4	99.7
0°-90°	2086.5	99.9
90°-120°	0.0	0.0
90°-150°	0.6	0.0
90°-180°	1.0	0.0
0°-180°	2087.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2135	2135	2135	2135	2135	
5°	2111	2106	2113	2116	2111	199
15°	1848	1900	1854	1807	1848	516
25°	1378	1451	1395	1328	1378	626
35°	757	852	773	702	757	473
45°	256	307	270	250	256	204
55°	33	35	35	36	33	37
65°	3	3	3	3	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	0	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°	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0
0.5°	2135.4	2134.6	2134.8	2135.4	2134.6	2134.8	2135.7	2135.4	2135.4	2134.6	2134.6
1°	2134.4	2134.4	2134.8	2135.4	2134.6	2134.8	2135.2	2135.2	2134.6	2133.9	2133.9
1.5°	2133.3	2133.7	2134.4	2134.6	2133.9	2134.4	2134.6	2134.4	2133.9	2132.7	2132.7
2°	2131.8	2132.5	2133.9	2133.7	2132.5	2133.1	2133.9	2133.7	2132.4	2130.7	2131.0
2.5°	2129.9	2131.8	2132.9	2132.0	2130.7	2131.2	2133.1	2132.5	2130.5	2128.4	2128.8
3°	2127.9	2130.7	2131.6	2129.7	2127.9	2129.0	2131.2	2131.2	2128.4	2125.2	2125.6
3.5°	2124.5	2129.4	2130.1	2126.9	2124.1	2126.0	2129.2	2129.4	2126.0	2121.3	2121.7
4°	2120.7	2127.5	2128.6	2123.2	2119.0	2121.9	2127.1	2127.5	2122.4	2116.4	2117.0
4.5°	2116.0	2124.9	2126.2	2118.5	2113.0	2116.8	2123.9	2124.9	2118.5	2110.8	2111.7
5°	2111.0	2121.7	2122.4	2112.7	2106.5	2110.6	2120.0	2121.9	2113.4	2104.6	2105.9
5.5°	2105.2	2117.4	2118.3	2106.7	2099.4	2104.2	2115.3	2117.7	2108.2	2097.9	2099.9
6°	2099.2	2112.1	2113.2	2099.7	2091.9	2097.1	2110.0	2112.9	2101.8	2090.9	2093.4
6.5°	2092.2	2106.1	2107.4	2092.8	2084.2	2089.8	2103.9	2107.0	2094.7	2083.8	2086.8
7°	2084.9	2098.8	2100.1	2085.3	2076.7	2082.3	2096.7	2100.1	2087.0	2076.1	2080.0
7.5°	2076.9	2090.5	2091.9	2077.2	2069.2	2074.2	2088.9	2092.0	2079.3	2068.4	2072.7
8°	2068.8	2081.5	2082.5	2068.4	2061.5	2066.0	2079.9	2082.5	2070.1	2060.5	2065.2
8.5°	2059.4	2071.2	2072.2	2059.2	2053.8	2057.9	2069.7	2072.5	2060.4	2051.7	2057.0
9°	2049.5	2059.8	2060.5	2049.7	2045.9	2048.7	2058.5	2060.9	2050.0	2042.7	2048.0
9.5°	2038.4	2047.2	2048.2	2039.4	2038.0	2039.2	2046.7	2048.2	2039.2	2032.8	2038.2
10°	2027.0	2033.9	2034.7	2028.3	2029.6	2028.9	2033.7	2034.7	2026.6	2022.3	2027.2
10.5°	2014.2	2019.5	2020.2	2016.5	2020.4	2018.4	2020.2	2019.9	2013.3	2009.7	2014.1
11°	2000.0	2004.3	2005.1	2003.9	2010.3	2006.7	2005.8	2005.1	1999.4	1996.6	1999.6
11.5°	1984.4	1987.8	1989.7	1990.8	1999.4	1994.7	1991.0	1989.3	1984.4	1982.0	1983.5
12°	1967.0	1970.7	1973.6	1976.2	1988.0	1981.8	1976.0	1973.0	1968.5	1964.9	1964.7
12.5°	1949.0	1953.1	1956.3	1962.1	1974.9	1967.6	1960.2	1956.1	1950.5	1946.6	1943.7
13°	1930.1	1935.3	1939.4	1946.7	1961.7	1953.5	1943.9	1938.1	1933.4	1927.4	1923.3
13.5°	1910.4	1916.4	1922.0	1931.4	1947.3	1939.1	1927.2	1920.7	1914.5	1907.2	1901.7
14°	1889.9	1897.1	1904.4	1914.7	1931.9	1923.1	1910.2	1901.9	1895.4	1886.4	1879.2
14.5°	1869.4	1877.6	1886.4	1898.2	1916.2	1907.0	1892.2	1883.4	1874.7	1864.8	1856.6
15°	1848.1	1857.7	1867.5	1880.7	1900.1	1889.7	1874.9	1864.3	1854.5	1842.9	1833.1
15.5°	1826.2	1837.3	1848.6	1862.6	1883.2	1872.3	1856.0	1844.7	1833.8	1820.9	1809.7
16°	1804.6	1816.4	1829.0	1843.1	1865.1	1853.9	1837.0	1824.3	1812.5	1797.9	1786.6
16.5°	1783.0	1795.9	1809.2	1824.3	1846.8	1835.1	1816.9	1803.7	1790.9	1775.4	1763.8
17°	1760.9	1774.9	1789.0	1804.7	1827.8	1815.6	1796.8	1782.7	1768.9	1752.9	1741.0
17.5°	1738.2	1753.5	1767.9	1784.5	1808.2	1795.6	1776.6	1760.9	1746.8	1730.4	1718.2
18°	1715.6	1731.7	1746.7	1763.4	1787.3	1775.4	1755.3	1739.5	1725.0	1708.0	1695.6
18.5°	1693.2	1709.5	1725.5	1742.3	1766.5	1754.3	1734.2	1718.3	1702.9	1685.5	1673.5
19°	1670.8	1687.4	1704.6	1721.1	1744.7	1733.0	1713.4	1696.7	1680.1	1663.6	1651.3
19.5°	1648.6	1665.5	1683.3	1699.5	1723.4	1711.5	1692.3	1674.5	1658.2	1641.9	1631.5
20°	1626.1	1643.1	1661.7	1677.7	1700.8	1690.2	1671.2	1653.4	1636.6	1620.1	1610.1
20.5°	1603.8	1621.5	1640.0	1655.8	1678.7	1668.4	1649.5	1632.6	1613.9	1598.4	1588.8
21°	1581.3	1598.8	1617.9	1633.2	1656.0	1645.6	1628.0	1610.8	1591.3	1576.6	1567.5
21.5°	1559.0	1576.5	1596.1	1610.4	1631.7	1622.0	1606.4	1589.1	1568.6	1554.9	1546.1
22°	1535.6	1553.3	1573.2	1586.4	1607.5	1598.4	1584.9	1567.4	1546.0	1533.1	1522.6

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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°	1512.0	1530.9	1550.4	1563.4	1583.3	1574.9	1563.3	1545.6	1525.3	1509.0	1499.4
23°	1486.5	1506.6	1527.3	1537.6	1559.1	1551.3	1541.8	1521.6	1500.6	1483.4	1475.2
23.5°	1461.0	1482.6	1503.8	1513.5	1534.8	1527.7	1517.3	1497.9	1475.1	1457.6	1449.4
24°	1434.1	1457.6	1479.1	1486.6	1506.6	1501.3	1493.5	1473.5	1448.6	1431.3	1421.5
24.5°	1406.7	1431.7	1455.1	1460.9	1479.2	1475.0	1468.8	1448.2	1421.9	1403.2	1392.5
25°	1378.3	1404.8	1429.5	1432.9	1450.7	1447.8	1443.4	1422.6	1394.8	1374.6	1362.4
25.5°	1350.3	1378.0	1403.6	1406.3	1422.9	1420.4	1417.2	1396.5	1367.3	1345.3	1330.9
26°	1321.9	1349.9	1376.4	1378.1	1395.0	1392.6	1390.5	1369.5	1339.7	1315.8	1297.8
26.5°	1294.3	1321.7	1348.7	1349.7	1366.6	1364.3	1362.5	1341.0	1311.1	1285.6	1264.6
27°	1264.5	1292.9	1318.5	1321.2	1338.1	1335.6	1333.5	1312.2	1282.8	1254.9	1232.0
27.5°	1235.2	1263.9	1287.3	1292.1	1310.5	1307.4	1303.7	1282.9	1254.5	1223.2	1200.3
28°	1204.8	1234.4	1255.0	1262.7	1282.2	1278.8	1271.6	1252.5	1224.9	1192.2	1168.9
28.5°	1174.3	1202.5	1221.3	1232.2	1253.6	1249.0	1239.8	1221.4	1194.8	1160.5	1137.3
29°	1142.3	1172.1	1187.3	1201.8	1224.7	1219.9	1206.5	1189.1	1164.1	1129.5	1107.4
29.5°	1111.0	1140.2	1152.0	1171.3	1195.2	1189.7	1172.5	1155.7	1132.7	1098.9	1077.2
30°	1077.6	1107.1	1117.7	1139.5	1164.1	1159.0	1137.1	1121.4	1100.9	1068.1	1047.0
30.5°	1045.4	1072.6	1083.7	1106.4	1133.2	1126.9	1102.5	1086.6	1067.8	1037.1	1016.3
31°	1013.2	1039.2	1050.7	1073.7	1102.0	1095.2	1068.9	1051.9	1035.6	1007.0	985.1
31.5°	981.4	1004.0	1018.5	1040.8	1070.8	1062.9	1036.2	1017.1	1002.2	976.8	953.9
32°	949.2	970.0	987.4	1007.4	1039.3	1030.0	1004.6	983.6	970.5	946.9	922.3
32.5°	918.2	935.2	956.3	974.5	1008.7	997.5	973.2	951.0	936.2	916.2	890.9
33°	887.0	903.3	926.5	941.9	978.1	964.2	943.6	918.9	902.9	886.6	859.0
33.5°	855.6	869.4	896.1	909.2	947.0	931.5	913.3	887.8	869.4	855.6	826.9
34°	824.7	838.7	866.1	878.4	915.2	899.6	883.6	857.2	837.3	824.8	796.8
34.5°	793.3	806.6	835.0	847.8	883.5	868.2	853.7	827.1	804.3	793.7	766.0
35°	756.8	775.8	804.1	818.0	851.9	837.4	823.8	797.9	772.8	761.8	737.4
35.5°	727.8	746.2	774.3	789.0	820.5	807.1	793.3	767.6	742.2	730.7	709.4
36°	698.8	716.6	745.0	761.2	788.3	777.5	763.2	737.3	712.9	700.2	682.0
36.5°	669.8	686.9	715.6	732.3	756.8	747.4	733.1	707.3	682.4	670.0	654.3
37°	640.8	657.3	686.2	703.3	725.4	718.3	703.2	677.7	653.5	640.6	627.9
37.5°	610.8	627.7	656.9	674.4	694.6	689.5	673.8	647.5	625.2	611.3	600.8
38°	581.3	600.8	627.5	645.5	664.5	661.0	646.2	618.8	597.4	583.6	574.3
38.5°	552.8	573.3	600.4	616.9	634.2	632.3	618.4	590.9	569.8	556.4	547.3
39°	525.5	547.1	574.4	589.4	605.1	605.5	592.1	563.6	543.3	529.9	521.4
39.5°	498.4	520.7	547.6	561.8	576.5	577.3	566.0	537.5	517.0	502.9	495.5
40°	472.1	495.6	521.6	534.7	548.5	550.6	540.1	512.6	491.0	476.8	470.1
40.5°	447.2	471.4	496.2	508.3	521.5	522.6	514.3	487.5	465.3	451.4	445.1
41°	422.8	446.9	470.8	482.6	494.5	496.5	488.9	463.4	440.4	426.7	421.3
41.5°	398.8	423.1	445.1	457.4	469.0	470.1	463.7	439.9	416.5	402.5	398.4
42°	376.4	401.0	421.4	433.2	443.9	445.1	438.6	417.4	393.3	378.6	376.3
42.5°	354.6	378.4	397.4	409.1	419.6	419.8	413.6	394.5	370.9	356.0	353.9
43°	333.3	356.4	374.1	384.6	395.8	395.8	389.6	372.6	349.5	334.3	332.3
43.5°	312.4	334.2	351.2	361.0	372.3	371.7	366.1	350.9	328.1	313.3	310.6
44°	293.1	313.3	330.3	337.9	349.4	349.3	343.7	330.0	308.3	293.5	290.7
44.5°	274.0	293.0	309.2	315.4	327.5	326.6	321.5	309.0	288.9	274.4	269.9

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CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	255.6	273.7	289.0	293.6	306.6	305.2	300.5	289.2	270.4	255.9	250.5
45.5°	238.0	254.6	269.6	272.1	285.5	283.7	280.1	269.8	252.5	238.2	231.5
46°	221.7	236.7	250.4	251.9	265.6	263.6	260.3	251.1	234.8	221.5	214.6
46.5°	205.5	218.8	231.6	232.3	245.8	243.5	241.5	232.6	218.5	206.9	199.4
47°	190.4	202.8	213.6	213.8	227.7	224.5	222.6	215.2	203.9	192.3	184.2
47.5°	175.6	186.5	196.0	195.9	211.1	208.1	206.3	199.7	189.4	177.7	169.0
48°	162.2	171.8	179.4	179.2	194.5	191.6	190.0	184.3	175.0	163.1	153.9
48.5°	148.9	156.9	163.3	163.3	177.9	175.1	173.7	168.9	160.5	148.5	141.5
49°	136.7	143.6	148.1	148.6	161.2	158.7	157.4	153.5	146.0	136.3	130.2
49.5°	125.0	130.8	133.5	134.7	144.7	142.3	141.1	138.2	133.6	124.7	119.8
50°	113.7	118.7	120.0	121.3	130.4	128.7	127.4	125.3	121.8	114.0	110.1
50.5°	102.9	106.6	107.5	108.8	116.8	115.7	114.5	113.1	110.6	103.9	100.9
51°	93.2	96.0	96.1	97.2	104.5	103.9	102.7	101.6	99.9	94.5	92.2
51.5°	83.7	85.8	85.3	86.4	92.8	92.6	91.8	90.8	89.9	85.6	84.1
52°	74.9	76.4	75.6	76.5	82.1	82.2	81.4	80.9	80.2	77.1	76.3
52.5°	67.4	68.7	68.0	68.7	72.1	72.4	71.8	71.4	71.2	69.1	68.7
53°	59.8	61.0	60.3	60.8	63.0	63.6	63.1	62.7	62.6	61.3	61.3
53.5°	52.2	53.3	52.6	52.9	54.5	55.2	55.0	54.6	54.9	54.0	54.4
54°	44.6	45.5	44.9	45.1	47.1	47.8	47.7	47.1	47.5	47.2	47.8
54.5°	38.6	37.8	37.3	37.3	40.6	41.3	41.2	40.5	41.0	41.0	41.7
55°	33.1	32.5	32.0	32.1	35.1	35.7	35.6	35.0	35.2	35.3	36.1
55.5°	28.2	27.5	27.0	26.9	30.0	30.6	30.5	29.9	30.1	30.4	31.1
56°	23.3	22.5	22.1	22.0	25.1	25.4	25.4	26.7	26.4	27.0	26.1
56.5°	18.9	18.2	17.8	17.9	22.1	22.4	22.4	23.4	22.7	23.6	22.9
57°	15.3	14.7	14.4	14.6	19.2	19.6	19.5	20.1	19.0	20.2	19.8
57.5°	12.6	12.2	12.0	12.3	16.3	16.7	16.6	16.9	15.3	16.8	16.7
58°	10.7	10.3	10.2	10.5	13.4	13.8	13.7	13.6	11.7	13.4	13.6
58.5°	9.2	8.9	8.9	9.1	10.5	11.0	10.8	10.4	10.1	10.0	10.5
59°	8.1	7.8	7.8	8.0	9.3	9.7	9.5	9.1	8.8	8.8	9.1
59.5°	7.4	7.2	7.1	7.4	8.3	8.6	8.5	8.1	7.8	7.7	8.0
60°	6.7	6.5	6.5	6.7	7.4	7.7	7.6	7.2	7.0	6.9	7.1
60.5°	6.1	5.9	5.9	6.1	6.7	7.0	6.9	6.5	6.2	6.2	6.4
61°	5.4	5.2	5.2	5.4	6.1	6.4	6.3	5.9	5.7	5.6	5.8
61.5°	4.9	4.8	4.8	5.0	5.6	5.8	5.7	5.4	5.1	5.1	5.3
62°	4.5	4.4	4.4	4.6	5.1	5.3	5.2	4.9	4.7	4.6	4.8
62.5°	4.1	4.0	4.0	4.2	4.7	4.9	4.8	4.5	4.3	4.3	4.4
63°	3.8	3.7	3.7	3.9	4.4	4.5	4.4	4.2	4.0	3.9	4.0
63.5°	3.5	3.4	3.4	3.6	4.0	4.2	4.1	3.8	3.7	3.6	3.7
64°	3.2	3.1	3.2	3.3	3.7	3.9	3.8	3.5	3.4	3.4	3.5
64.5°	3.0	2.9	2.9	3.1	3.5	3.6	3.5	3.3	3.1	3.1	3.2
65°	2.7	2.7	2.7	2.8	3.2	3.4	3.3	3.1	2.9	2.9	3.0
65.5°	2.5	2.5	2.5	2.6	3.0	3.1	3.0	2.8	2.7	2.7	2.8
66°	2.4	2.3	2.3	2.5	2.8	2.9	2.8	2.6	2.5	2.5	2.6
66.5°	2.2	2.1	2.2	2.3	2.6	2.7	2.6	2.4	2.3	2.3	2.4
67°	2.0	2.0	2.0	2.1	2.4	2.5	2.4	2.3	2.2	2.1	2.2

TEST NUMBER: P1590494

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	1.9	1.9	1.9	2.0	2.2	2.4	2.3	2.1	2.0	2.0	2.1
68°	1.7	1.7	1.7	1.8	2.1	2.2	2.1	2.0	1.9	1.9	1.9
68.5°	1.6	1.6	1.6	1.7	1.9	2.0	2.0	1.8	1.7	1.7	1.8
69°	1.5	1.5	1.5	1.6	1.8	1.9	1.8	1.7	1.6	1.6	1.7
69.5°	1.4	1.4	1.4	1.5	1.7	1.8	1.7	1.6	1.5	1.5	1.5
70°	1.3	1.3	1.3	1.4	1.6	1.6	1.6	1.5	1.4	1.4	1.4
70.5°	1.2	1.2	1.2	1.3	1.5	1.5	1.5	1.4	1.3	1.3	1.3
71°	1.1	1.1	1.1	1.2	1.4	1.4	1.4	1.3	1.2	1.2	1.2
71.5°	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.2	1.1	1.1	1.1
72°	0.9	0.9	0.9	1.0	1.2	1.2	1.2	1.1	1.0	1.0	1.1
72.5°	0.9	0.8	0.9	0.9	1.1	1.1	1.1	1.0	1.0	0.9	1.0
73°	0.8	0.8	0.8	0.9	1.0	1.0	1.0	0.9	0.9	0.9	0.9
73.5°	0.7	0.7	0.7	0.8	0.9	1.0	0.9	0.9	0.8	0.8	0.8
74°	0.7	0.6	0.7	0.7	0.8	0.9	0.9	0.8	0.7	0.7	0.8
74.5°	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7
75°	0.6	0.5	0.6	0.6	0.7	0.8	0.7	0.7	0.6	0.6	0.6
75.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.6	0.6	0.6	0.6
76°	0.5	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	0.6	0.5	0.5	0.5	0.5
77°	0.4	0.4	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	0.5	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	0.3	0.3	0.4
78.5°	0.3	0.2	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	0.2	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	0.2	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	0.1	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: P1590494

CATALOG NUMBER: HCDLS1525CSD4TRMW-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: P1590494

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

TEST NUMBER: P1590494

CATALOG NUMBER: HCDLS1525CSD4TRMW-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	0.3	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	0.4	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	0.4
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	0.5	0.5
139.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.5	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°	0.4	0.4	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
141.5°	0.4	0.4	0.4	0.4	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	0.6	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	0.6	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	0.7	0.7
145°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.7	0.7	0.7	0.7
145.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	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°	0.5	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
147.5°	0.5	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.8	0.8
148°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
148.5°	0.5	0.5	0.4	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	0.8	0.8
149.5°	0.5	0.5	0.5	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	0.9	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	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	1.0	1.0	1.0
154.5°	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
155°	0.6	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
155.5°	0.6	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
156°	0.6	0.6	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
156.5°	0.6	0.6	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
157°	0.6	0.6	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TEST NUMBER: P1590494

CATALOG NUMBER: HCDLS1525CSD4TRMW-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	0.5	1.0	1.0	1.0	1.0	1.0	1.1	1.0
158°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.1	1.1	1.1
158.5°	0.6	0.6	0.6	0.6	1.0	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	1.1	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	1.1	1.1	1.1	1.1	1.1	1.1	1.1
169.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	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	1.0	1.0	1.1	1.1	1.1	1.1	1.1
171°	0.6	0.6	0.6	0.6	1.0	1.0	1.1	1.1	1.1	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	1.0	1.0	1.0	1.0	1.0	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	0.9	0.9	1.0	1.0	1.0	1.0	1.0
175°	0.6	0.6	0.6	0.6	0.9	0.9	1.0	1.0	1.0	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°	0.7	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	0.7	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°	0.7	0.7	0.7	0.7	0.8	0.9	0.9	0.9	0.9	0.8	0.8
179°	0.8	0.7	0.7	0.7	0.8	0.8	0.9	0.9	0.8	0.8	0.8
179.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8



TEST NUMBER: P1590494

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-3500K

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: P1590494

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2135.0	2135.0	2135.0	2135.0	2135.0	2135.0
0.5°	2135.2	2133.7	2134.4	2135.2	2135.0	2135.4
1°	2134.6	2133.1	2133.9	2134.2	2134.0	2134.4
1.5°	2133.7	2132.2	2133.1	2132.9	2132.5	2133.3
2°	2132.5	2131.0	2131.4	2130.7	2130.5	2131.8
2.5°	2130.5	2129.7	2129.7	2128.4	2128.2	2129.9
3°	2128.6	2128.4	2127.9	2125.2	2124.5	2127.9
3.5°	2125.8	2126.2	2125.0	2121.5	2120.2	2124.5
4°	2122.6	2123.4	2121.9	2117.0	2115.5	2120.7
4.5°	2118.3	2120.2	2118.1	2112.1	2110.2	2116.0
5°	2113.8	2116.2	2114.0	2106.5	2104.2	2111.0
5.5°	2109.1	2111.9	2109.3	2100.9	2098.0	2105.2
6°	2103.7	2106.9	2104.2	2095.0	2091.3	2099.2
6.5°	2097.7	2101.4	2098.4	2089.0	2085.1	2092.2
7°	2091.3	2094.5	2092.2	2082.7	2078.0	2084.9
7.5°	2084.4	2087.2	2084.7	2076.3	2071.2	2076.9
8°	2076.5	2078.5	2076.7	2068.4	2063.7	2068.8
8.5°	2068.2	2068.8	2067.3	2060.7	2055.9	2059.4
9°	2058.3	2057.2	2056.8	2051.4	2047.0	2049.5
9.5°	2047.4	2044.4	2044.6	2041.2	2037.3	2038.4
10°	2034.7	2029.2	2030.5	2028.9	2026.6	2027.0
10.5°	2020.1	2012.6	2014.2	2015.7	2014.6	2014.2
11°	2003.7	1993.6	1996.2	2000.0	2000.9	2000.0
11.5°	1984.4	1972.4	1975.8	1982.2	1985.4	1984.4
12°	1964.0	1949.7	1954.1	1961.9	1967.2	1967.0
12.5°	1942.1	1927.2	1931.4	1941.1	1947.7	1949.0
13°	1919.7	1903.4	1907.7	1918.8	1928.0	1930.1
13.5°	1896.7	1880.4	1884.1	1895.9	1907.0	1910.4
14°	1873.2	1855.7	1860.1	1872.5	1884.9	1889.9
14.5°	1849.1	1831.6	1836.0	1849.4	1862.6	1869.4
15°	1825.1	1806.7	1811.4	1825.1	1839.9	1848.1
15.5°	1801.6	1783.0	1787.7	1802.4	1816.6	1826.2
16°	1778.4	1759.5	1764.6	1778.7	1793.4	1804.6
16.5°	1754.9	1737.0	1741.6	1756.0	1771.5	1783.0
17°	1732.4	1713.6	1718.3	1733.5	1748.5	1760.9
17.5°	1710.0	1690.7	1696.3	1710.6	1726.3	1738.2
18°	1687.8	1667.6	1673.2	1687.9	1703.2	1715.6
18.5°	1664.9	1644.9	1650.5	1665.8	1680.6	1693.2
19°	1643.3	1622.3	1628.7	1643.4	1657.7	1670.8
19.5°	1622.2	1599.3	1606.6	1621.5	1635.5	1648.6
20°	1601.1	1577.7	1585.3	1599.5	1612.8	1626.1
20.5°	1580.0	1555.2	1563.2	1578.2	1590.6	1603.8
21°	1559.0	1533.9	1541.5	1555.8	1568.1	1581.3
21.5°	1537.9	1511.5	1519.7	1533.7	1545.3	1559.0
22°	1516.2	1489.7	1498.0	1511.4	1523.2	1535.6

TEST NUMBER: P1590494

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1493.9	1467.1	1475.1	1489.0	1499.4	1512.0
23°	1469.4	1442.9	1450.4	1464.8	1474.4	1486.5
23.5°	1443.0	1416.7	1424.7	1439.1	1449.2	1461.0
24°	1416.2	1388.5	1397.4	1411.7	1421.9	1434.1
24.5°	1388.3	1357.6	1368.9	1382.3	1393.2	1406.7
25°	1359.2	1328.4	1339.2	1351.9	1363.0	1378.3
25.5°	1328.7	1298.6	1309.0	1320.2	1333.0	1350.3
26°	1298.1	1269.1	1278.5	1287.7	1301.9	1321.9
26.5°	1266.4	1238.2	1247.4	1255.0	1270.1	1294.3
27°	1233.7	1209.1	1216.0	1221.8	1236.9	1264.5
27.5°	1200.6	1179.3	1183.4	1188.6	1204.5	1235.2
28°	1166.7	1148.5	1151.0	1155.9	1173.7	1204.8
28.5°	1133.3	1117.5	1119.1	1123.4	1142.9	1174.3
29°	1100.9	1086.1	1087.2	1091.9	1112.6	1142.3
29.5°	1069.0	1053.6	1055.2	1060.7	1082.8	1111.0
30°	1037.2	1020.8	1022.2	1030.1	1053.6	1077.6
30.5°	1005.2	986.7	989.5	999.3	1023.3	1045.4
31°	974.3	954.2	956.9	968.4	993.3	1013.2
31.5°	943.1	920.8	924.8	937.6	962.7	981.4
32°	912.5	888.4	893.1	906.6	931.1	949.2
32.5°	882.1	856.6	861.7	875.7	899.6	918.2
33°	851.6	825.3	831.3	844.7	867.8	887.0
33.5°	820.7	793.3	801.5	812.9	835.6	855.6
34°	790.5	758.1	773.4	782.8	803.4	824.7
34.5°	760.3	729.9	744.2	754.0	772.4	793.3
35°	731.2	701.7	714.9	725.3	743.1	756.8
35.5°	701.8	673.5	685.6	696.6	713.8	727.8
36°	673.9	645.2	656.4	667.9	684.5	698.8
36.5°	645.6	617.9	627.2	639.2	655.2	669.8
37°	617.8	590.9	599.4	612.2	625.9	640.8
37.5°	590.4	564.7	572.0	585.4	598.6	610.8
38°	563.7	539.7	544.9	559.6	571.7	581.3
38.5°	537.8	514.9	518.7	533.4	544.5	552.8
39°	512.5	491.1	494.9	508.0	518.3	525.5
39.5°	487.5	466.8	470.7	482.1	491.9	498.4
40°	462.6	443.2	447.0	457.3	465.7	472.1
40.5°	439.0	420.8	424.1	432.5	439.5	447.2
41°	415.8	399.2	402.3	408.5	414.9	422.8
41.5°	393.5	378.2	380.8	385.5	390.2	398.8
42°	371.6	358.0	359.9	363.1	367.0	376.4
42.5°	350.1	338.5	339.7	340.5	344.2	354.6
43°	329.6	319.8	319.9	320.3	322.9	333.3
43.5°	309.9	301.3	301.0	299.2	301.9	312.4
44°	291.1	283.6	282.8	279.3	281.9	293.1
44.5°	272.9	266.4	265.4	259.8	262.4	274.0

TEST NUMBER: P1590494

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	255.2	249.9	248.3	241.5	243.7	255.6
45.5°	238.4	234.0	232.4	223.7	226.1	238.0
46°	222.2	219.0	217.0	206.9	209.3	221.7
46.5°	207.1	204.1	202.1	191.0	193.1	205.5
47°	193.1	189.9	187.9	176.4	177.9	190.4
47.5°	179.2	176.3	174.1	162.7	163.9	175.6
48°	165.3	163.2	161.1	149.8	150.9	162.2
48.5°	151.4	151.0	148.7	138.1	138.9	148.9
49°	139.2	139.1	136.9	127.3	127.2	136.7
49.5°	127.6	127.7	125.7	117.3	117.2	125.0
50°	117.0	116.9	114.8	107.8	107.4	113.7
50.5°	106.7	106.5	104.7	98.8	98.4	102.9
51°	97.1	96.7	95.2	90.4	89.6	93.2
51.5°	88.1	87.2	86.2	82.3	81.6	83.7
52°	79.6	78.5	77.6	74.5	74.6	74.9
52.5°	71.3	71.0	70.4	67.5	67.4	67.4
53°	63.6	63.6	63.2	60.6	60.2	59.8
53.5°	56.5	56.2	56.0	53.7	53.0	52.2
54°	49.5	48.8	48.8	46.8	45.8	44.6
54.5°	43.0	41.3	41.6	40.8	39.7	38.6
55°	37.3	35.7	36.0	35.5	34.2	33.1
55.5°	32.2	30.8	31.1	30.5	29.6	28.2
56°	27.3	25.8	26.1	25.7	24.7	23.3
56.5°	24.0	21.2	21.6	21.1	20.1	18.9
57°	20.8	17.4	17.7	17.2	16.3	15.3
57.5°	17.6	14.5	14.8	14.4	13.6	12.6
58°	14.3	12.4	12.7	12.3	11.5	10.7
58.5°	11.1	10.7	11.0	10.6	9.9	9.2
59°	9.6	9.4	9.7	9.3	8.7	8.1
59.5°	8.5	8.4	8.6	8.3	7.7	7.4
60°	7.6	7.7	7.7	7.7	7.1	6.7
60.5°	6.8	7.1	7.2	7.1	6.5	6.1
61°	6.2	6.5	6.6	6.5	5.9	5.4
61.5°	5.6	5.9	6.1	5.9	5.3	4.9
62°	5.1	5.3	5.5	5.3	4.8	4.5
62.5°	4.7	4.9	5.1	4.8	4.4	4.1
63°	4.3	4.5	4.7	4.4	4.1	3.8
63.5°	4.0	4.2	4.3	4.1	3.7	3.5
64°	3.7	3.8	4.0	3.8	3.4	3.2
64.5°	3.4	3.6	3.7	3.5	3.2	3.0
65°	3.2	3.3	3.4	3.3	3.0	2.7
65.5°	2.9	3.1	3.2	3.0	2.7	2.5
66°	2.7	2.9	3.0	2.8	2.5	2.4
66.5°	2.5	2.7	2.8	2.6	2.4	2.2
67°	2.4	2.5	2.6	2.4	2.2	2.0

TEST NUMBER: P1590494

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	2.2	2.3	2.4	2.3	2.0	1.9
68°	2.0	2.1	2.2	2.1	1.9	1.7
68.5°	1.9	2.0	2.1	2.0	1.7	1.6
69°	1.8	1.9	1.9	1.8	1.6	1.5
69.5°	1.6	1.7	1.8	1.7	1.5	1.4
70°	1.5	1.6	1.7	1.6	1.4	1.3
70.5°	1.4	1.5	1.5	1.5	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	1.2	1.0	0.9
72.5°	1.1	1.1	1.1	1.1	0.9	0.9
73°	1.0	1.0	1.1	1.0	0.9	0.8
73.5°	0.9	0.9	1.0	0.9	0.8	0.7
74°	0.8	0.9	0.9	0.8	0.7	0.7
74.5°	0.8	0.8	0.8	0.8	0.7	0.6
75°	0.7	0.7	0.8	0.7	0.6	0.6
75.5°	0.6	0.7	0.7	0.7	0.6	0.5
76°	0.6	0.6	0.6	0.6	0.5	0.5
76.5°	0.5	0.6	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	0.5	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	0.4	0.3	0.3
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	0.3	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	0.2	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: P1590494

CATALOG NUMBER: HCDLS1525CSD4TRMW-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: P1590494

CATALOG NUMBER: HCDLS1525CSD4TRMW-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	0.0	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	0.2	0.2	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	0.2
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°	0.2	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	0.2	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	0.3	0.3	0.3	0.2	0.2
134.5°	0.3	0.3	0.3	0.3	0.3	0.3

TEST NUMBER: P1590494

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-3500K

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°	0.4	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°	0.4	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	0.4	0.4	0.3	0.3	0.3
140.5°	0.5	0.4	0.4	0.4	0.4	0.3
141°	0.5	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°	0.6	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°	0.7	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	0.5	0.5	0.4	0.4
147°	0.7	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°	0.8	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°	0.9	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°	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°	1.0	0.5	0.5	0.5	0.5	0.5
154.5°	1.0	0.5	0.5	0.6	0.6	0.5
155°	1.0	0.5	0.5	0.6	0.6	0.6
155.5°	1.0	0.5	0.5	0.6	0.6	0.6
156°	1.0	0.5	0.6	0.6	0.6	0.6
156.5°	1.0	0.5	0.6	0.6	0.6	0.6
157°	1.0	0.6	0.6	0.6	0.6	0.6

TEST NUMBER: P1590494

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.0	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°	1.1	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°	1.1	0.6	0.6	0.6	0.6	0.6
170.5°	1.1	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°	1.0	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	0.7	0.6	0.6
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	0.7	0.7	0.7	0.7	0.7
178.5°	0.8	0.7	0.7	0.8	0.7	0.7
179°	0.8	0.8	0.8	0.8	0.8	0.8
179.5°	0.8	0.8	0.8	0.8	0.8	0.8



TEST NUMBER: P1590494

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-3500K

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: P1590494

CATALOG NUMBER: HCDLS1525CSD4TRMW-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	4.9	5.9	5.2	6.2	6.6	5.9	6.9	6.2	7.2	7.6
	3H	4.8	5.7	5.2	6.1	6.4	5.8	6.7	6.2	7.1	7.4
	4H	4.7	5.6	5.1	5.9	6.3	5.7	6.6	6.1	6.9	7.3
	6H	4.6	5.4	5.1	5.8	6.2	5.6	6.4	6.1	6.8	7.2
	8H	4.6	5.3	5.0	5.7	6.1	5.6	6.3	6.0	6.7	7.1
	12H	4.5	5.2	5.0	5.6	6.0	5.5	6.2	6.0	6.6	7.0
4H	2H	4.7	5.5	5.1	5.9	6.3	5.7	6.5	6.1	6.9	7.3
	3H	4.7	5.3	5.1	5.7	6.2	5.6	6.3	6.0	6.7	7.1
	4H	4.6	5.2	5.0	5.6	6.0	5.5	6.2	6.0	6.6	7.0
	6H	4.5	5.0	4.9	5.4	5.9	5.5	6.0	5.9	6.4	6.9
	8H	4.4	4.9	4.9	5.3	5.8	5.4	5.9	5.9	6.3	6.8
	12H	4.3	4.8	4.8	5.2	5.7	5.3	5.7	5.8	6.2	6.7
8H	4H	4.4	4.9	4.9	5.3	5.8	5.4	5.9	5.9	6.3	6.8
	6H	4.3	4.7	4.8	5.2	5.7	5.3	5.7	5.8	6.2	6.7
	8H	4.2	4.6	4.8	5.1	5.6	5.2	5.6	5.7	6.1	6.6
	12H	4.2	4.5	4.7	5.0	5.6	5.1	5.4	5.7	5.9	6.5
12H	4H	4.3	4.8	4.8	5.3	5.7	5.3	5.7	5.8	6.2	6.7
	6H	4.2	4.6	4.8	5.0	5.6	5.2	5.6	5.7	6.0	6.6
	8H	4.2	4.5	4.7	5.0	5.6	5.1	5.5	5.7	6.0	6.5



(END OF REPORT)