

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: P1590496

Luminaire Tested: HCDLS1525CSD4TRMW-ME-5000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590496
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-5000K
Description: 4" Selectable Round Trim+Matte White (paintable) 2000 Lumens 5000K

Light Source:
Ballast/Driver: -

Summary

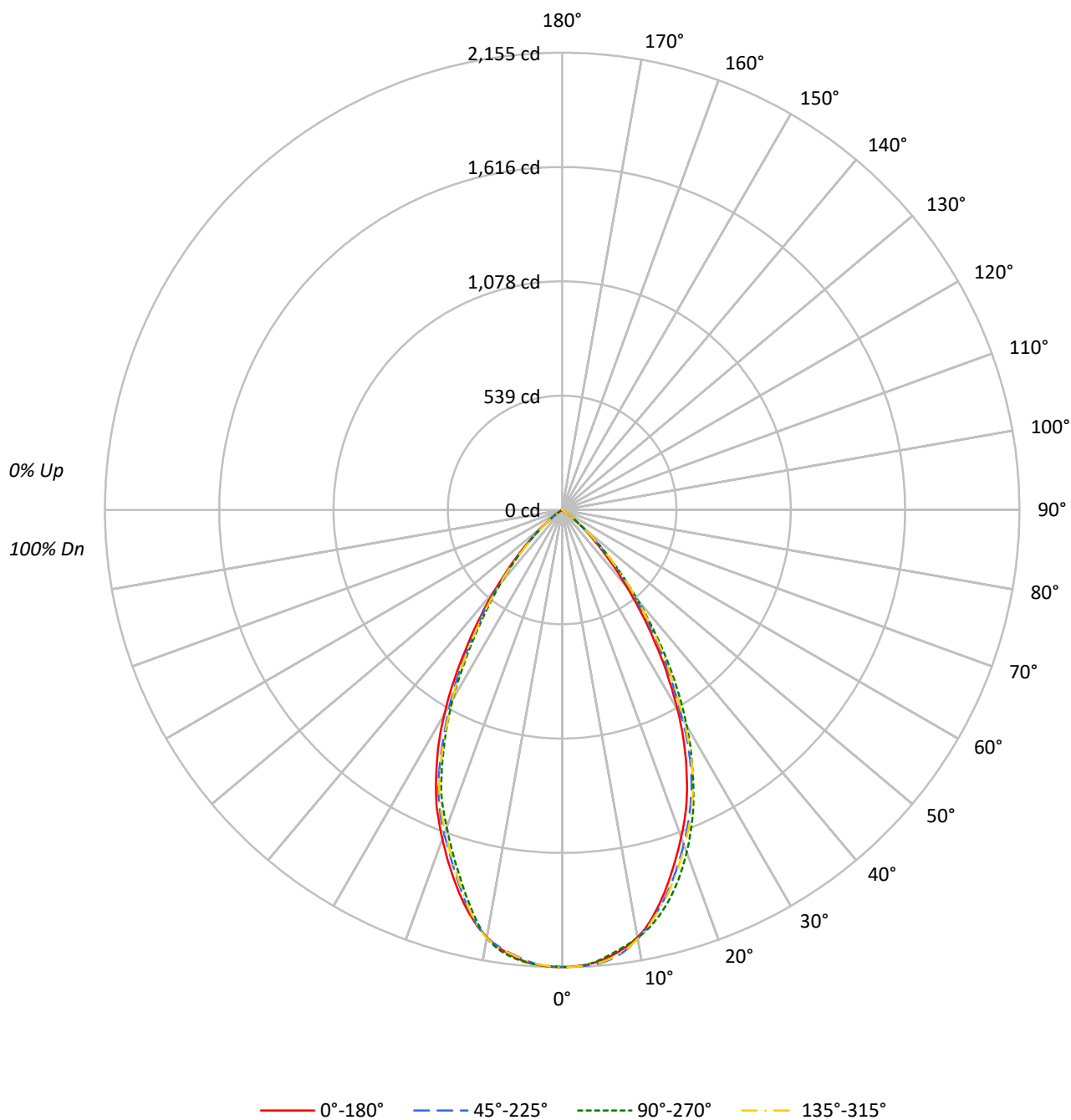
Lumens per Lamp: N/A
Luminaire Lumens: 2106.4 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	265686	265686	265686	265686
5°	263705	263148	264002	264361
10°	256133	256471	256095	256421
15°	238103	244795	238921	232766
20°	215348	225245	216726	208942
25°	189256	199191	191529	182411
30°	154847	167281	158194	146686
35°	114966	129421	117405	106594
40°	76692	89106	79767	71990
45°	44987	53971	47586	43993
50°	22010	25253	23583	22624
55°	7183	7613	7656	7742
60°	1678	1850	1727	1924
65°	817	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: 53971 cd/sqm

TEST NUMBER: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.9	9.5
10°-20°	521.6	24.8
20°-30°	637.3	30.3
30°-40°	485.5	23.0
40°-50°	216.5	10.3
50°-60°	39.2	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°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	1359.7	64.6
0°-40°	1845.2	87.6
0°-60°	2100.9	99.7
0°-90°	2105.1	99.9
90°-120°	0.0	0.0
90°-150°	0.6	0.0
90°-180°	1.0	0.0
0°-180°	2106.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2154	2154	2154	2154	2154	
5°	2130	2125	2132	2135	2130	201
15°	1865	1917	1871	1823	1865	520
25°	1391	1464	1407	1340	1391	632
35°	764	860	780	708	764	477
45°	258	309	273	252	258	206
55°	33	35	36	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	

TEST NUMBER: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2154.0	2154.0	2154.0	2154.0	2154.0	2154.0	2154.0	2154.0	2154.0	2154.0	2154.0
0.5°	2154.4	2153.6	2153.8	2154.4	2153.6	2153.8	2154.8	2154.4	2154.4	2153.6	2153.6
1°	2153.4	2153.4	2153.8	2154.4	2153.6	2153.8	2154.2	2154.2	2153.6	2152.9	2152.9
1.5°	2152.3	2152.7	2153.4	2153.6	2152.9	2153.4	2153.6	2153.4	2152.9	2151.7	2151.7
2°	2150.8	2151.5	2152.9	2152.7	2151.5	2152.1	2152.9	2152.7	2151.4	2149.7	2150.0
2.5°	2148.9	2150.8	2151.9	2151.0	2149.7	2150.2	2152.1	2151.5	2149.5	2147.4	2147.8
3°	2146.8	2149.7	2150.6	2148.7	2146.8	2147.9	2150.2	2150.2	2147.4	2144.2	2144.5
3.5°	2143.4	2148.3	2149.1	2145.9	2143.0	2144.9	2148.1	2148.3	2144.9	2140.2	2140.6
4°	2139.6	2146.4	2147.6	2142.1	2137.9	2140.8	2146.1	2146.4	2141.3	2135.3	2135.8
4.5°	2134.9	2143.8	2145.1	2137.4	2131.9	2135.7	2142.8	2143.8	2137.4	2129.6	2130.5
5°	2129.8	2140.6	2141.3	2131.5	2125.3	2129.4	2138.9	2140.8	2132.2	2123.4	2124.7
5.5°	2123.9	2136.2	2137.2	2125.4	2118.1	2123.0	2134.1	2136.6	2127.0	2116.5	2118.6
6°	2117.9	2130.9	2132.1	2118.4	2110.5	2115.8	2128.8	2131.7	2120.5	2109.5	2112.0
6.5°	2110.9	2124.9	2126.2	2111.4	2102.7	2108.4	2122.6	2125.8	2113.3	2102.4	2105.4
7°	2103.5	2117.5	2118.8	2103.9	2095.2	2100.8	2115.4	2118.8	2105.6	2094.6	2098.6
7.5°	2095.4	2109.2	2110.5	2095.7	2087.6	2092.7	2107.5	2110.7	2097.8	2086.9	2091.2
8°	2087.2	2100.1	2101.0	2086.9	2079.9	2084.4	2098.4	2101.0	2088.6	2078.9	2083.6
8.5°	2077.8	2089.7	2090.6	2077.6	2072.1	2076.3	2088.2	2091.0	2078.7	2070.0	2075.3
9°	2067.7	2078.1	2078.9	2067.9	2064.2	2067.0	2076.8	2079.3	2068.3	2060.9	2066.2
9.5°	2056.6	2065.5	2066.4	2057.5	2056.2	2057.3	2064.9	2066.4	2057.3	2050.9	2056.4
10°	2045.0	2052.0	2052.8	2046.4	2047.7	2046.9	2051.9	2052.8	2044.7	2040.3	2045.2
10.5°	2032.2	2037.5	2038.2	2034.5	2038.4	2036.3	2038.2	2037.9	2031.2	2027.6	2032.0
11°	2017.8	2022.2	2022.9	2021.8	2028.2	2024.6	2023.7	2022.9	2017.2	2014.4	2017.4
11.5°	2002.1	2005.5	2007.4	2008.5	2017.2	2012.5	2008.7	2007.0	2002.1	1999.6	2001.2
12°	1984.5	1988.3	1991.1	1993.8	2005.7	1999.5	1993.6	1990.6	1986.0	1982.4	1982.2
12.5°	1966.4	1970.5	1973.7	1979.6	1992.5	1985.1	1977.7	1973.5	1967.9	1963.9	1961.1
13°	1947.2	1952.5	1956.7	1964.1	1979.2	1970.9	1961.2	1955.4	1950.7	1944.6	1940.4
13.5°	1927.4	1933.4	1939.1	1948.6	1964.7	1956.3	1944.4	1937.8	1931.5	1924.2	1918.7
14°	1906.8	1914.0	1921.3	1931.7	1949.1	1940.2	1927.2	1918.9	1912.3	1903.2	1896.0
14.5°	1886.0	1894.3	1903.2	1915.1	1933.2	1924.0	1909.0	1900.1	1891.4	1881.4	1873.2
15°	1864.6	1874.3	1884.1	1897.5	1917.0	1906.6	1891.6	1880.9	1871.0	1859.4	1849.5
15.5°	1842.5	1853.7	1865.1	1879.1	1900.0	1889.0	1872.5	1861.1	1850.2	1837.1	1825.8
16°	1820.7	1832.6	1845.3	1859.5	1881.7	1870.4	1853.4	1840.5	1828.6	1814.0	1802.5
16.5°	1798.9	1811.9	1825.3	1840.6	1863.2	1851.4	1833.1	1819.8	1806.8	1791.2	1779.5
17°	1776.5	1790.7	1804.9	1820.8	1844.0	1831.7	1812.8	1798.6	1784.6	1768.5	1756.5
17.5°	1753.7	1769.2	1783.6	1800.4	1824.3	1811.6	1792.4	1776.6	1762.3	1745.8	1733.5
18°	1730.8	1747.1	1762.2	1779.1	1803.2	1791.3	1770.9	1755.0	1740.4	1723.2	1710.7
18.5°	1708.2	1724.8	1740.9	1757.8	1782.2	1770.0	1749.7	1733.6	1718.1	1700.5	1688.4
19°	1685.7	1702.4	1719.8	1736.4	1760.2	1748.5	1728.6	1711.8	1695.0	1678.5	1666.0
19.5°	1663.3	1680.4	1698.3	1714.6	1738.8	1726.8	1707.4	1689.4	1672.9	1656.5	1646.0
20°	1640.6	1657.8	1676.5	1692.6	1716.0	1705.3	1686.1	1668.1	1651.1	1634.6	1624.5
20.5°	1618.1	1635.9	1654.6	1670.5	1693.6	1683.2	1664.2	1647.1	1628.3	1612.6	1603.0
21°	1595.4	1613.0	1632.3	1647.7	1670.7	1660.2	1642.5	1625.2	1605.5	1590.7	1581.4
21.5°	1572.9	1590.5	1610.3	1624.7	1646.3	1636.5	1620.7	1603.3	1582.6	1568.7	1559.9
22°	1549.2	1567.1	1587.2	1600.5	1621.8	1612.7	1599.0	1581.3	1559.8	1546.8	1536.2

TEST NUMBER: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1525.5	1544.5	1564.2	1577.3	1597.4	1588.9	1577.3	1559.4	1538.8	1522.4	1512.8
23°	1499.7	1520.0	1540.9	1551.3	1573.0	1565.1	1555.5	1535.1	1514.0	1496.6	1488.3
23.5°	1474.0	1495.8	1517.2	1527.0	1548.5	1541.3	1530.8	1511.2	1488.2	1470.6	1462.3
24°	1446.9	1470.6	1492.3	1499.9	1520.0	1514.7	1506.8	1486.7	1461.6	1444.0	1434.2
24.5°	1419.3	1444.4	1468.1	1473.9	1492.4	1488.1	1481.9	1461.1	1434.6	1415.7	1404.9
25°	1390.6	1417.3	1442.3	1445.6	1463.6	1460.7	1456.3	1435.3	1407.3	1386.9	1374.5
25.5°	1362.4	1390.3	1416.1	1418.8	1435.6	1433.1	1429.8	1409.0	1379.5	1357.3	1342.8
26°	1333.7	1362.0	1388.7	1390.4	1407.4	1405.0	1402.9	1381.7	1351.7	1327.6	1309.4
26.5°	1305.8	1333.5	1360.7	1361.8	1378.8	1376.5	1374.6	1352.9	1322.8	1297.0	1275.9
27°	1275.8	1304.4	1330.3	1333.0	1350.0	1347.5	1345.4	1323.9	1294.3	1266.1	1242.9
27.5°	1246.2	1275.1	1298.8	1303.7	1322.2	1319.1	1315.3	1294.3	1265.6	1234.1	1211.0
28°	1215.5	1245.4	1266.1	1273.9	1293.6	1290.2	1282.9	1263.7	1235.8	1202.8	1179.3
28.5°	1184.8	1213.2	1232.2	1243.2	1264.8	1260.2	1250.8	1232.2	1205.5	1170.8	1147.4
29°	1152.5	1182.5	1197.9	1212.6	1235.7	1230.8	1217.2	1199.7	1174.5	1139.6	1117.2
29.5°	1120.8	1150.3	1162.3	1181.7	1205.8	1200.3	1183.0	1166.0	1142.8	1108.7	1086.8
30°	1087.2	1116.9	1127.6	1149.6	1174.5	1169.3	1147.3	1131.4	1110.7	1077.6	1056.3
30.5°	1054.8	1082.1	1093.3	1116.3	1143.3	1136.9	1112.3	1096.3	1077.4	1046.3	1025.4
31°	1022.2	1048.5	1060.1	1083.3	1111.8	1105.0	1078.4	1061.3	1044.8	1016.0	993.9
31.5°	990.2	1013.0	1027.6	1050.0	1080.4	1072.3	1045.4	1026.2	1011.1	985.5	962.4
32°	957.7	978.6	996.2	1016.4	1048.5	1039.2	1013.6	992.4	979.2	955.3	930.5
32.5°	926.4	943.5	964.8	983.2	1017.7	1006.3	981.8	959.5	944.6	924.4	898.8
33°	894.9	911.4	934.7	950.3	986.8	972.8	952.0	927.1	910.9	894.5	866.6
33.5°	863.2	877.2	904.1	917.3	955.4	939.8	921.5	895.7	877.1	863.2	834.2
34°	832.1	846.2	873.8	886.2	923.4	907.6	891.5	864.8	844.8	832.2	803.9
34.5°	800.4	813.8	842.4	855.3	891.4	876.0	861.4	834.5	811.4	800.7	772.8
35°	763.5	782.7	811.3	825.3	859.5	844.9	831.1	805.0	779.7	768.6	743.9
35.5°	734.3	752.8	781.2	796.0	827.8	814.3	800.4	774.5	748.8	737.2	715.7
36°	705.0	722.9	751.6	768.0	795.3	784.4	770.0	743.9	719.2	706.4	688.0
36.5°	675.8	693.1	722.0	738.8	763.6	754.1	739.6	713.6	688.5	676.0	660.1
37°	646.5	663.2	692.3	709.6	731.8	724.7	709.5	683.7	659.3	646.3	633.5
37.5°	616.2	633.3	662.7	680.4	700.8	695.6	679.8	653.3	630.8	616.8	606.2
38°	586.5	606.2	633.1	651.3	670.4	666.9	652.0	624.3	602.8	588.8	579.4
38.5°	557.7	578.4	605.8	622.4	639.9	638.0	623.9	596.1	574.9	561.4	552.1
39°	530.2	552.0	579.5	594.7	610.5	610.9	597.4	568.6	548.2	534.7	526.0
39.5°	502.8	525.4	552.5	566.8	581.6	582.4	571.0	542.3	521.6	507.4	499.9
40°	476.3	500.0	526.3	539.5	553.4	555.5	544.9	517.2	495.4	481.1	474.3
40.5°	451.1	475.6	500.7	512.8	526.1	527.3	518.9	491.8	469.4	455.4	449.1
41°	426.5	450.9	475.0	486.9	498.9	500.9	493.2	467.5	444.3	430.5	425.1
41.5°	402.4	426.9	449.1	461.5	473.2	474.3	467.8	443.8	420.2	406.1	402.0
42°	379.7	404.5	425.1	437.1	447.8	449.1	442.5	421.1	396.8	381.9	379.7
42.5°	357.7	381.8	400.9	412.7	423.4	423.6	417.3	398.0	374.2	359.2	357.0
43°	336.3	359.6	377.5	388.0	399.3	399.3	393.1	376.0	352.7	337.3	335.3
43.5°	315.2	337.2	354.4	364.2	375.6	375.0	369.4	354.0	331.0	316.1	313.4
44°	295.7	316.1	333.2	340.9	352.5	352.4	346.7	332.9	311.1	296.1	293.3
44.5°	276.5	295.6	311.9	318.2	330.4	329.5	324.4	311.8	291.5	276.9	272.3

TEST NUMBER: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	257.9	276.2	291.6	296.2	309.4	308.0	303.1	291.7	272.8	258.2	252.7
45.5°	240.1	256.8	272.0	274.5	288.1	286.2	282.6	272.2	254.7	240.3	233.6
46°	223.7	238.8	252.7	254.1	268.0	265.9	262.6	253.3	236.9	223.4	216.5
46.5°	207.3	220.8	233.7	234.3	248.0	245.6	243.6	234.7	220.4	208.7	201.2
47°	192.1	204.6	215.5	215.7	229.8	226.5	224.6	217.1	205.7	194.0	185.9
47.5°	177.1	188.2	197.8	197.6	213.0	209.9	208.1	201.5	191.1	179.3	170.5
48°	163.6	173.3	181.0	180.7	196.2	193.3	191.7	186.0	176.5	164.5	155.2
48.5°	150.2	158.3	164.8	164.8	179.4	176.7	175.2	170.4	161.9	149.9	142.8
49°	137.9	144.9	149.4	150.0	162.7	160.1	158.8	154.9	147.3	137.5	131.4
49.5°	126.2	132.0	134.7	135.9	146.0	143.6	142.3	139.4	134.8	125.8	120.9
50°	114.7	119.7	121.0	122.4	131.6	129.8	128.5	126.5	122.9	115.0	111.1
50.5°	103.9	107.6	108.4	109.7	117.9	116.7	115.5	114.1	111.6	104.8	101.8
51°	94.0	96.9	96.9	98.1	105.4	104.8	103.6	102.5	100.7	95.3	93.0
51.5°	84.4	86.6	86.1	87.1	93.6	93.4	92.6	91.6	90.7	86.4	84.9
52°	75.6	77.1	76.3	77.2	82.8	82.9	82.1	81.6	81.0	77.8	77.0
52.5°	68.0	69.3	68.6	69.3	72.7	73.1	72.5	72.1	71.8	69.7	69.3
53°	60.3	61.5	60.8	61.3	63.5	64.1	63.7	63.3	63.2	61.8	61.9
53.5°	52.6	53.7	53.1	53.4	55.0	55.6	55.5	55.1	55.4	54.5	54.9
54°	45.0	45.9	45.3	45.5	47.5	48.2	48.2	47.5	47.9	47.6	48.3
54.5°	38.9	38.2	37.6	37.6	41.0	41.6	41.6	40.9	41.3	41.4	42.1
55°	33.4	32.8	32.2	32.3	35.4	36.0	35.9	35.4	35.6	35.6	36.4
55.5°	28.5	27.7	27.3	27.2	30.3	30.8	30.8	30.2	30.4	30.6	31.3
56°	23.5	22.7	22.3	22.2	25.3	25.6	25.6	26.9	26.6	27.2	26.3
56.5°	19.1	18.4	18.0	18.0	22.3	22.6	22.6	23.6	22.9	23.8	23.1
57°	15.4	14.9	14.6	14.8	19.4	19.7	19.7	20.3	19.2	20.4	20.0
57.5°	12.7	12.3	12.1	12.4	16.5	16.8	16.8	17.0	15.5	16.9	16.8
58°	10.8	10.4	10.3	10.6	13.5	14.0	13.9	13.7	11.8	13.5	13.7
58.5°	9.3	9.0	9.0	9.2	10.6	11.1	10.9	10.4	10.2	10.1	10.6
59°	8.2	7.9	7.9	8.1	9.4	9.7	9.6	9.1	8.9	8.8	9.1
59.5°	7.5	7.2	7.2	7.4	8.3	8.7	8.6	8.1	7.9	7.8	8.1
60°	6.8	6.6	6.6	6.8	7.5	7.8	7.7	7.3	7.0	6.9	7.2
60.5°	6.1	5.9	5.9	6.1	6.8	7.1	7.0	6.6	6.3	6.2	6.4
61°	5.4	5.3	5.3	5.5	6.2	6.4	6.3	5.9	5.7	5.6	5.8
61.5°	5.0	4.8	4.8	5.0	5.6	5.9	5.8	5.4	5.2	5.1	5.3
62°	4.5	4.4	4.4	4.6	5.2	5.4	5.3	5.0	4.8	4.7	4.8
62.5°	4.1	4.0	4.1	4.2	4.8	5.0	4.9	4.6	4.4	4.3	4.4
63°	3.8	3.7	3.7	3.9	4.4	4.6	4.5	4.2	4.0	4.0	4.1
63.5°	3.5	3.4	3.4	3.6	4.1	4.2	4.1	3.9	3.7	3.7	3.8
64°	3.2	3.2	3.2	3.3	3.8	3.9	3.8	3.6	3.4	3.4	3.5
64.5°	3.0	2.9	3.0	3.1	3.5	3.7	3.6	3.3	3.2	3.1	3.2
65°	2.8	2.7	2.7	2.9	3.2	3.4	3.3	3.1	2.9	2.9	3.0
65.5°	2.6	2.5	2.5	2.7	3.0	3.2	3.1	2.9	2.7	2.7	2.8
66°	2.4	2.3	2.4	2.5	2.8	2.9	2.9	2.7	2.5	2.5	2.6
66.5°	2.2	2.2	2.2	2.3	2.6	2.7	2.7	2.5	2.4	2.3	2.4
67°	2.0	2.0	2.0	2.1	2.4	2.5	2.5	2.3	2.2	2.2	2.2

TEST NUMBER: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

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	2.3	2.4	2.3	2.1	2.0	2.0	2.1
68°	1.8	1.7	1.8	1.9	2.1	2.2	2.1	2.0	1.9	1.9	1.9
68.5°	1.6	1.6	1.6	1.7	2.0	2.1	2.0	1.8	1.8	1.7	1.8
69°	1.5	1.5	1.5	1.6	1.8	1.9	1.9	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	1.6
70°	1.3	1.3	1.3	1.4	1.6	1.7	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	1.2
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	1.0	1.0
73°	0.8	0.8	0.8	0.9	1.0	1.1	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	0.7	0.7	0.7	0.9	0.9	0.9	0.8	0.8	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	0.7
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	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
76.5°	0.4	0.4	0.4	0.5	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: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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	0.4
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	0.5	0.5	0.5
139.5°	0.3	0.3	0.3	0.3	0.5	0.5	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°	0.4	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	0.6
142°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	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	0.6	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	0.7	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°	0.4	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	0.5	0.4	0.4	0.7	0.7	0.7	0.7	0.8	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	0.5	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	0.8	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	1.0	1.0	1.0
154°	0.5	0.5	0.5	0.5	0.9	1.0	1.0	1.0	1.0	1.0	1.0
154.5°	0.6	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	0.6	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	0.6	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TEST NUMBER: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.1	1.1	1.1
158°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	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	1.1	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	1.2	1.1
162.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.2	1.2	1.2
163°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.2	1.2	1.2
163.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.2	1.2	1.2	1.2
164°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.2	1.2	1.2	1.2
164.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.2	1.2	1.2	1.2
165°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.2	1.2	1.2	1.2
165.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.2	1.2	1.2	1.2
166°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.2	1.1	1.1
166.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.2	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	1.1	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	1.1	1.1
171.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.1	1.1	1.1	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	1.0	1.0	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	1.0	0.9
175.5°	0.6	0.6	0.6	0.6	0.9	0.9	1.0	1.0	1.0	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	0.7	0.7	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	0.9	0.9	0.9	0.9	0.9	0.9	0.8
179°	0.8	0.7	0.7	0.7	0.8	0.9	0.9	0.9	0.9	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: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

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: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2154.0	2154.0	2154.0	2154.0	2154.0	2154.0
0.5°	2154.2	2152.7	2153.4	2154.2	2154.0	2154.4
1°	2153.6	2152.1	2152.9	2153.2	2153.1	2153.4
1.5°	2152.7	2151.2	2152.1	2151.9	2151.5	2152.3
2°	2151.5	2150.0	2150.4	2149.7	2149.5	2150.8
2.5°	2149.5	2148.7	2148.7	2147.4	2147.2	2148.9
3°	2147.6	2147.4	2146.8	2144.2	2143.4	2146.8
3.5°	2144.7	2145.1	2144.0	2140.4	2139.1	2143.4
4°	2141.5	2142.3	2140.8	2135.8	2134.3	2139.6
4.5°	2137.2	2139.1	2137.0	2130.9	2129.0	2134.9
5°	2132.6	2135.1	2132.8	2125.3	2123.0	2129.8
5.5°	2127.9	2130.7	2128.1	2119.6	2116.7	2123.9
6°	2122.4	2125.6	2123.0	2113.7	2109.9	2117.9
6.5°	2116.4	2120.1	2117.1	2107.7	2103.7	2110.9
7°	2109.9	2113.1	2110.9	2101.2	2096.5	2103.5
7.5°	2102.9	2105.8	2103.3	2094.8	2089.7	2095.4
8°	2095.0	2097.1	2095.2	2086.9	2082.1	2087.2
8.5°	2086.7	2087.2	2085.7	2079.1	2074.2	2077.8
9°	2076.6	2075.5	2075.1	2069.6	2065.3	2067.7
9.5°	2065.7	2062.6	2062.8	2059.4	2055.4	2056.6
10°	2052.8	2047.3	2048.6	2046.9	2044.7	2045.0
10.5°	2038.0	2030.5	2032.2	2033.7	2032.6	2032.2
11°	2021.6	2011.4	2014.0	2017.8	2018.8	2017.8
11.5°	2002.1	1990.0	1993.4	1999.8	2003.1	2002.1
12°	1981.5	1967.1	1971.5	1979.4	1984.7	1984.5
12.5°	1959.4	1944.4	1948.6	1958.4	1965.0	1966.4
13°	1936.8	1920.4	1924.7	1935.9	1945.2	1947.2
13.5°	1913.6	1897.1	1900.9	1912.8	1924.0	1927.4
14°	1889.9	1872.3	1876.7	1889.2	1901.7	1906.8
14.5°	1865.5	1847.9	1852.4	1865.9	1879.1	1886.0
15°	1841.3	1822.8	1827.5	1841.4	1856.3	1864.6
15.5°	1817.7	1798.9	1803.6	1818.4	1832.8	1842.5
16°	1794.2	1775.2	1780.3	1794.5	1809.4	1820.7
16.5°	1770.6	1752.5	1757.2	1771.6	1787.3	1798.9
17°	1747.8	1728.9	1733.6	1748.9	1764.1	1776.5
17.5°	1725.3	1705.7	1711.4	1725.8	1741.7	1753.7
18°	1702.8	1682.5	1688.1	1703.0	1718.3	1730.8
18.5°	1679.7	1659.5	1665.2	1680.6	1695.6	1708.2
19°	1657.9	1636.8	1643.2	1658.0	1672.5	1685.7
19.5°	1636.6	1613.5	1620.9	1636.0	1650.1	1663.3
20°	1615.4	1591.8	1599.4	1613.8	1627.1	1640.6
20.5°	1594.1	1569.1	1577.1	1592.3	1604.8	1618.1
21°	1572.9	1547.5	1555.2	1569.6	1582.1	1595.4
21.5°	1551.6	1525.0	1533.3	1547.4	1559.1	1572.9
22°	1529.7	1503.0	1511.3	1524.8	1536.7	1549.2

TEST NUMBER: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1507.2	1480.2	1488.2	1502.3	1512.8	1525.5
23°	1482.5	1455.7	1463.4	1477.9	1487.5	1499.7
23.5°	1455.8	1429.3	1437.4	1452.0	1462.1	1474.0
24°	1428.8	1400.9	1409.8	1424.3	1434.6	1446.9
24.5°	1400.7	1369.7	1381.1	1394.6	1405.6	1419.3
25°	1371.3	1340.3	1351.1	1363.9	1375.2	1390.6
25.5°	1340.5	1310.2	1320.7	1332.0	1344.8	1362.4
26°	1309.7	1280.4	1289.8	1299.2	1313.5	1333.7
26.5°	1277.6	1249.2	1258.5	1266.2	1281.4	1305.8
27°	1244.7	1219.9	1226.8	1232.7	1247.9	1275.8
27.5°	1211.3	1189.8	1194.0	1199.2	1215.2	1246.2
28°	1177.1	1158.7	1161.2	1166.2	1184.2	1215.5
28.5°	1143.4	1127.5	1129.1	1133.4	1153.0	1184.8
29°	1110.7	1095.8	1096.9	1101.6	1122.5	1152.5
29.5°	1078.5	1063.0	1064.6	1070.2	1092.5	1120.8
30°	1046.4	1029.9	1031.3	1039.3	1062.9	1087.2
30.5°	1014.2	995.5	998.3	1008.2	1032.5	1054.8
31°	982.9	962.7	965.5	977.0	1002.2	1022.2
31.5°	951.5	929.0	933.0	946.0	971.3	990.2
32°	920.7	896.3	901.0	914.7	939.4	957.7
32.5°	890.0	864.2	869.4	883.5	907.7	926.4
33°	859.2	832.6	838.7	852.2	875.6	894.9
33.5°	828.0	800.4	808.7	820.2	843.1	863.2
34°	797.6	764.9	780.3	789.7	810.5	832.1
34.5°	767.1	736.4	750.8	760.7	779.3	800.4
35°	737.7	707.9	721.3	731.8	749.7	763.5
35.5°	708.1	679.5	691.8	702.8	720.2	734.3
36°	679.9	651.0	662.2	673.8	690.6	705.0
36.5°	651.3	623.4	632.8	644.9	661.0	675.8
37°	623.3	596.2	604.7	617.6	631.4	646.5
37.5°	595.7	569.7	577.1	590.6	604.0	616.2
38°	568.7	544.5	549.8	564.6	576.8	586.5
38.5°	542.6	519.5	523.3	538.1	549.3	557.7
39°	517.1	495.5	499.3	512.5	522.9	530.2
39.5°	491.8	471.0	474.9	486.4	496.3	502.8
40°	466.7	447.1	451.0	461.4	469.8	476.3
40.5°	442.9	424.6	427.9	436.4	443.4	451.1
41°	419.5	402.7	405.9	412.2	418.6	426.5
41.5°	397.0	381.5	384.2	388.9	393.7	402.4
42°	374.9	361.2	363.1	366.4	370.3	379.7
42.5°	353.2	341.6	342.7	343.6	347.2	357.7
43°	332.6	322.6	322.8	323.1	325.8	336.3
43.5°	312.6	304.0	303.7	301.9	304.6	315.2
44°	293.7	286.1	285.3	281.8	284.4	295.7
44.5°	275.3	268.8	267.8	262.1	264.7	276.5

TEST NUMBER: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	257.5	252.2	250.5	243.7	245.8	257.9
45.5°	240.5	236.1	234.4	225.7	228.1	240.1
46°	224.2	220.9	218.9	208.8	211.2	223.7
46.5°	208.9	205.9	203.9	192.7	194.8	207.3
47°	194.8	191.6	189.5	177.9	179.5	192.1
47.5°	180.8	177.9	175.6	164.1	165.4	177.1
48°	166.8	164.6	162.5	151.1	152.3	163.6
48.5°	152.8	152.3	150.0	139.3	140.1	150.2
49°	140.4	140.4	138.1	128.4	128.4	137.9
49.5°	128.7	128.9	126.8	118.4	118.3	126.2
50°	118.0	117.9	115.8	108.8	108.4	114.7
50.5°	107.6	107.4	105.6	99.7	99.2	103.9
51°	98.0	97.5	96.1	91.2	90.4	94.0
51.5°	88.9	88.0	87.0	83.1	82.3	84.4
52°	80.3	79.2	78.3	75.1	75.2	75.6
52.5°	72.0	71.6	71.0	68.1	68.0	68.0
53°	64.2	64.2	63.7	61.1	60.7	60.3
53.5°	57.0	56.7	56.5	54.1	53.5	52.6
54°	49.9	49.2	49.2	47.2	46.2	45.0
54.5°	43.4	41.7	41.9	41.2	40.0	38.9
55°	37.6	36.0	36.3	35.8	34.5	33.4
55.5°	32.5	31.0	31.4	30.8	29.8	28.5
56°	27.5	26.0	26.4	25.9	24.9	23.5
56.5°	24.2	21.4	21.8	21.3	20.3	19.1
57°	21.0	17.6	17.9	17.4	16.5	15.4
57.5°	17.7	14.7	15.0	14.5	13.7	12.7
58°	14.5	12.5	12.8	12.4	11.6	10.8
58.5°	11.2	10.8	11.1	10.7	10.0	9.3
59°	9.7	9.5	9.8	9.4	8.7	8.2
59.5°	8.6	8.4	8.7	8.4	7.7	7.5
60°	7.7	7.8	7.8	7.8	7.1	6.8
60.5°	6.9	7.2	7.2	7.1	6.5	6.1
61°	6.2	6.6	6.7	6.5	5.9	5.4
61.5°	5.7	6.0	6.1	5.9	5.3	5.0
62°	5.2	5.4	5.5	5.3	4.8	4.5
62.5°	4.7	4.9	5.1	4.9	4.5	4.1
63°	4.4	4.5	4.7	4.5	4.1	3.8
63.5°	4.0	4.2	4.4	4.1	3.8	3.5
64°	3.7	3.9	4.0	3.8	3.5	3.2
64.5°	3.5	3.6	3.7	3.6	3.2	3.0
65°	3.2	3.3	3.5	3.3	3.0	2.8
65.5°	3.0	3.1	3.2	3.1	2.8	2.6
66°	2.8	2.9	3.0	2.8	2.6	2.4
66.5°	2.6	2.7	2.8	2.6	2.4	2.2
67°	2.4	2.5	2.6	2.5	2.2	2.0

TEST NUMBER: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

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°	2.1	2.2	2.3	2.1	1.9	1.8
68.5°	1.9	2.0	2.1	2.0	1.8	1.6
69°	1.8	1.9	1.9	1.8	1.6	1.5
69.5°	1.7	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	1.6	1.5	1.3	1.2
71°	1.3	1.4	1.5	1.4	1.2	1.1
71.5°	1.2	1.3	1.3	1.3	1.1	1.0
72°	1.1	1.2	1.3	1.2	1.0	0.9
72.5°	1.1	1.1	1.2	1.1	1.0	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	0.4	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	0.2	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: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.1	0.0	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°	0.1	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	0.1	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	0.2	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: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

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	0.4	0.3	0.3
140.5°	0.5	0.4	0.4	0.4	0.4	0.4
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	0.5	0.5	0.5	0.5	0.4
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°	0.8	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°	0.9	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°	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°	1.0	0.5	0.5	0.5	0.5	0.5
154°	1.0	0.5	0.5	0.6	0.6	0.5
154.5°	1.0	0.5	0.5	0.6	0.6	0.6
155°	1.0	0.5	0.5	0.6	0.6	0.6
155.5°	1.0	0.5	0.6	0.6	0.6	0.6
156°	1.0	0.6	0.6	0.6	0.6	0.6
156.5°	1.0	0.6	0.6	0.6	0.6	0.6
157°	1.0	0.6	0.6	0.6	0.6	0.6

TEST NUMBER: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.1	0.6	0.6	0.6	0.6	0.6
158°	1.1	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°	1.2	0.6	0.6	0.6	0.6	0.6
164°	1.2	0.6	0.6	0.6	0.6	0.6
164.5°	1.2	0.6	0.6	0.6	0.6	0.6
165°	1.2	0.6	0.6	0.6	0.6	0.6
165.5°	1.2	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°	1.0	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	0.7	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	0.8	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: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

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: P1590496

CATALOG NUMBER: HCDLS1525CSD4TRMW-ME-5000K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	4.9	5.9	5.3	6.3	6.6	5.9	7.0	6.3	7.3	7.6
	3H	4.8	5.7	5.2	6.1	6.5	5.9	6.8	6.2	7.1	7.5
	4H	4.8	5.6	5.2	6.0	6.3	5.8	6.6	6.2	7.0	7.4
	6H	4.7	5.4	5.1	5.8	6.2	5.7	6.5	6.1	6.8	7.2
	8H	4.6	5.3	5.0	5.7	6.1	5.6	6.4	6.1	6.7	7.2
	12H	4.6	5.2	5.0	5.6	6.1	5.6	6.3	6.0	6.6	7.1
4H	2H	4.7	5.6	5.1	5.9	6.3	5.7	6.6	6.1	6.9	7.3
	3H	4.7	5.4	5.1	5.8	6.2	5.7	6.3	6.1	6.8	7.2
	4H	4.6	5.2	5.0	5.6	6.1	5.6	6.2	6.0	6.6	7.1
	6H	4.5	5.0	5.0	5.5	5.9	5.5	6.0	6.0	6.5	6.9
	8H	4.4	4.9	4.9	5.4	5.8	5.4	5.9	5.9	6.4	6.8
	12H	4.4	4.8	4.9	5.3	5.8	5.4	5.8	5.9	6.3	6.7
8H	4H	4.4	4.9	4.9	5.4	5.9	5.4	5.9	5.9	6.4	6.8
	6H	4.3	4.7	4.8	5.2	5.7	5.3	5.7	5.8	6.2	6.7
	8H	4.3	4.6	4.8	5.1	5.6	5.2	5.6	5.8	6.1	6.6
	12H	4.2	4.5	4.7	5.0	5.6	5.2	5.5	5.7	6.0	6.6
12H	4H	4.4	4.8	4.9	5.3	5.8	5.4	5.8	5.9	6.3	6.7
	6H	4.3	4.6	4.8	5.1	5.6	5.2	5.6	5.8	6.1	6.6
	8H	4.2	4.5	4.7	5.0	5.6	5.2	5.5	5.7	6.0	6.6

(END OF REPORT)