

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: P1590477

Luminaire Tested: HCDLS1525CSD4TRH-ME-2700K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590477
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: HCDLS1525CSD4TRH-ME-2700K
Description: 4" Selectable Round Trim+ Haze (Semi-specular) 2000 Lumens 2700K

Light Source:
Ballast/Driver: -

Summary

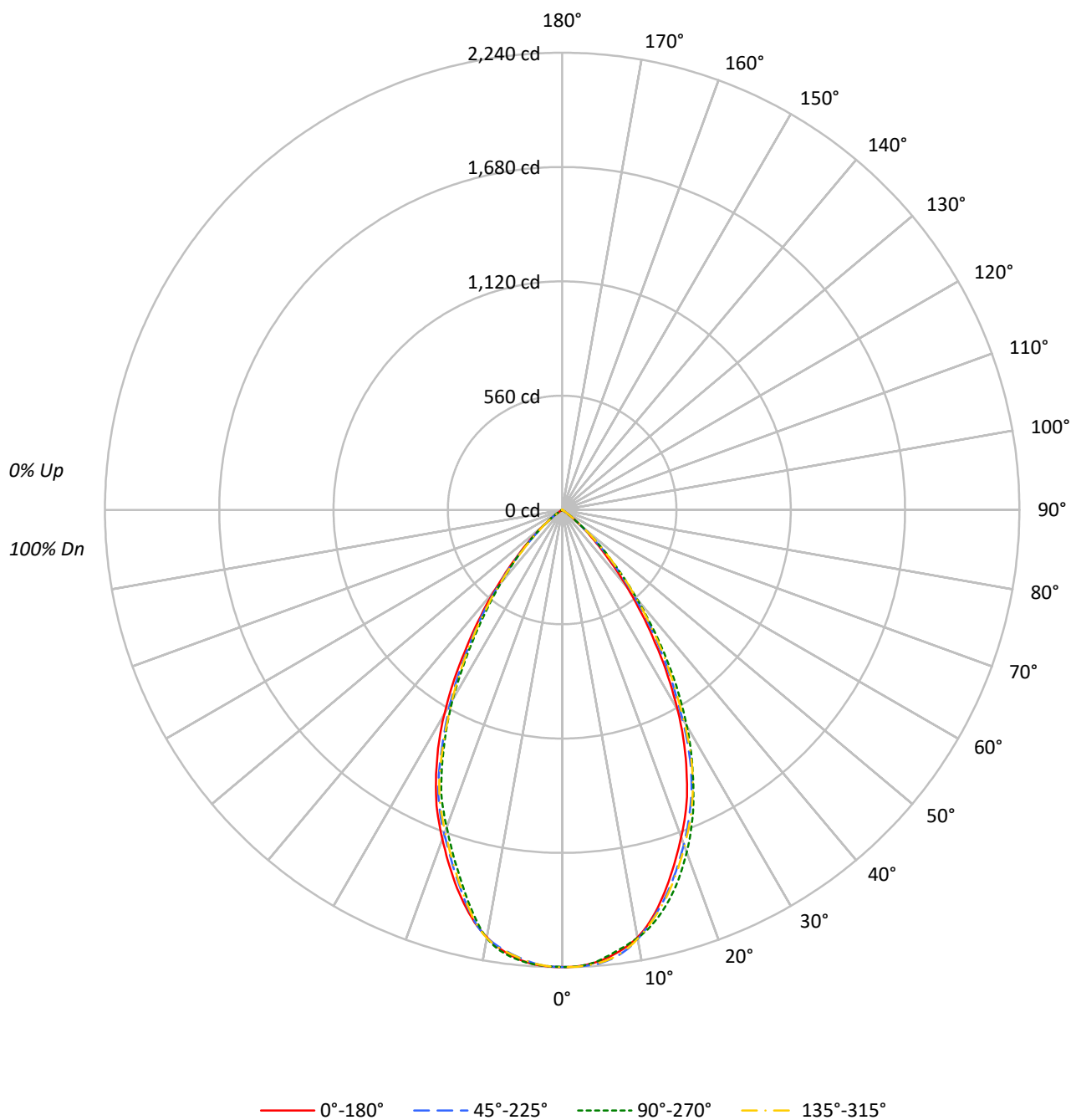
Lumens per Lamp: N/A
Luminaire Lumens: 2190.0 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 20.9
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	276220	276220	276220	276220
5°	274168	273573	274477	274849
10°	266303	266641	266253	266591
15°	247540	254500	248396	241998
20°	223880	234171	225324	217225
25°	196755	207085	199123	189637
30°	160986	173918	164475	152497
35°	119528	134556	122073	110825
40°	79735	92633	82923	74856
45°	46784	56099	49470	45737
50°	22893	26251	24505	23526
55°	7462	7914	7957	8064
60°	1752	1924	1801	1998
65°	846	992	905	1022
70°	505	577	541	613
75°	286	334	334	381
80°	142	142	142	213
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 56099 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.8	9.5
10°-20°	542.3	24.8
20°-30°	662.5	30.3
30°-40°	504.8	23.0
40°-50°	225.1	10.3
50°-60°	40.8	1.9
60°-70°	3.5	0.2
70°-80°	0.8	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	0.2	0.0
140°-150°	0.4	0.0
150°-160°	0.4	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	1413.7	64.6
0°-40°	1918.4	87.6
0°-60°	2184.2	99.7
0°-90°	2188.6	99.9
90°-120°	0.0	0.0
90°-150°	0.7	0.0
90°-180°	1.0	0.0
0°-180°	2190.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2239	2239	2239	2239	2239	
5°	2214	2210	2217	2220	2214	209
15°	1938	1993	1945	1895	1938	541
25°	1446	1522	1463	1393	1446	657
35°	794	894	811	736	794	496
45°	268	322	284	262	268	214
55°	35	37	37	38	35	39
65°	3	3	3	4	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	1	1	0	0	0
155°	1	1	1	1	1	0
165°	1	1	1	1	1	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2239.4	2239.4	2239.4	2239.4	2239.4	2239.4	2239.4	2239.4	2239.4	2239.4	2239.4
0.5°	2239.8	2239.0	2239.2	2239.8	2239.0	2239.2	2240.2	2239.8	2239.8	2239.0	2239.0
1°	2238.8	2238.8	2239.2	2239.8	2239.0	2239.2	2239.6	2239.6	2239.0	2238.3	2238.3
1.5°	2237.7	2238.1	2238.8	2239.0	2238.3	2238.8	2239.0	2238.8	2238.3	2237.1	2237.1
2°	2236.1	2236.9	2238.3	2238.1	2236.9	2237.5	2238.3	2238.1	2236.7	2234.9	2235.3
2.5°	2234.1	2236.1	2237.3	2236.3	2234.9	2235.5	2237.5	2236.9	2234.7	2232.6	2232.9
3°	2232.0	2234.9	2235.9	2233.9	2232.0	2233.1	2235.5	2235.5	2232.6	2229.2	2229.6
3.5°	2228.4	2233.5	2234.3	2231.0	2228.0	2230.0	2233.3	2233.5	2230.0	2225.1	2225.5
4°	2224.5	2231.6	2232.8	2227.0	2222.7	2225.7	2231.2	2231.6	2226.3	2220.0	2220.6
4.5°	2219.6	2228.8	2230.2	2222.1	2216.4	2220.4	2227.8	2228.8	2222.1	2214.1	2215.1
5°	2214.3	2225.5	2226.3	2216.0	2209.5	2213.9	2223.7	2225.7	2216.8	2207.6	2209.0
5.5°	2208.2	2221.0	2221.9	2209.7	2202.1	2207.2	2218.8	2221.3	2211.3	2200.5	2202.7
6°	2201.9	2215.4	2216.6	2202.5	2194.2	2199.7	2213.3	2216.2	2204.6	2193.2	2195.8
6.5°	2194.6	2209.2	2210.5	2195.2	2186.1	2192.0	2206.8	2210.1	2197.2	2185.7	2188.9
7°	2186.9	2201.5	2202.9	2187.3	2178.3	2184.2	2199.3	2202.9	2189.1	2177.7	2181.8
7.5°	2178.5	2192.8	2194.2	2178.9	2170.4	2175.7	2191.1	2194.4	2181.0	2169.6	2174.1
8°	2170.0	2183.4	2184.4	2169.6	2162.3	2167.1	2181.6	2184.4	2171.4	2161.4	2166.3
8.5°	2160.2	2172.6	2173.6	2160.0	2154.3	2158.6	2171.0	2173.9	2161.2	2152.1	2157.6
9°	2149.8	2160.6	2161.4	2150.0	2146.0	2149.0	2159.2	2161.8	2150.3	2142.7	2148.2
9.5°	2138.2	2147.4	2148.4	2139.1	2137.8	2138.9	2146.8	2148.4	2138.9	2132.3	2138.0
10°	2126.2	2133.4	2134.2	2127.5	2128.9	2128.1	2133.2	2134.2	2125.8	2121.2	2126.4
10.5°	2112.8	2118.3	2119.1	2115.1	2119.3	2117.1	2119.1	2118.7	2111.8	2108.1	2112.6
11°	2097.8	2102.4	2103.1	2102.0	2108.7	2104.9	2103.9	2103.1	2097.2	2094.3	2097.4
11.5°	2081.5	2085.1	2087.0	2088.2	2097.2	2092.3	2088.4	2086.6	2081.5	2079.0	2080.5
12°	2063.2	2067.2	2070.1	2072.9	2085.3	2078.8	2072.7	2069.5	2064.8	2061.1	2060.9
12.5°	2044.3	2048.7	2052.0	2058.1	2071.5	2063.8	2056.1	2051.8	2045.9	2041.8	2038.8
13°	2024.5	2030.0	2034.3	2042.0	2057.7	2049.1	2039.0	2032.9	2028.0	2021.7	2017.4
13.5°	2003.8	2010.1	2016.0	2025.9	2042.6	2033.9	2021.5	2014.6	2008.2	2000.5	1994.8
14°	1982.4	1989.9	1997.5	2008.4	2026.4	2017.2	2003.6	1995.0	1988.1	1978.7	1971.2
14.5°	1960.8	1969.4	1978.7	1991.0	2009.9	2000.3	1984.8	1975.5	1966.5	1956.0	1947.4
15°	1938.5	1948.6	1958.9	1972.8	1993.0	1982.2	1966.7	1955.5	1945.2	1933.1	1922.8
15.5°	1915.6	1927.2	1939.1	1953.7	1975.3	1963.9	1946.8	1935.0	1923.5	1910.0	1898.2
16°	1892.9	1905.3	1918.5	1933.3	1956.4	1944.6	1926.9	1913.5	1901.1	1885.9	1874.0
16.5°	1870.2	1883.7	1897.7	1913.6	1937.1	1924.8	1905.8	1891.9	1878.5	1862.3	1850.1
17°	1847.0	1861.7	1876.5	1893.0	1917.2	1904.4	1884.7	1869.9	1855.4	1838.6	1826.1
17.5°	1823.2	1839.3	1854.4	1871.8	1896.6	1883.5	1863.5	1847.1	1832.2	1815.0	1802.2
18°	1799.5	1816.4	1832.1	1849.7	1874.7	1862.3	1841.2	1824.7	1809.4	1791.6	1778.6
18.5°	1776.0	1793.2	1809.9	1827.5	1852.9	1840.2	1819.1	1802.4	1786.2	1768.0	1755.4
19°	1752.5	1770.0	1788.0	1805.3	1830.0	1817.8	1797.2	1779.7	1762.3	1745.0	1732.1
19.5°	1729.3	1747.0	1765.6	1782.6	1807.7	1795.3	1775.1	1756.4	1739.3	1722.2	1711.3
20°	1705.6	1723.5	1743.0	1759.8	1784.0	1772.9	1753.0	1734.3	1716.6	1699.4	1688.9
20.5°	1682.3	1700.8	1720.2	1736.8	1760.8	1750.0	1730.2	1712.5	1692.9	1676.6	1666.5
21°	1658.7	1677.0	1697.0	1713.1	1737.0	1726.1	1707.6	1689.7	1669.1	1653.8	1644.2
21.5°	1635.3	1653.6	1674.2	1689.1	1711.6	1701.4	1685.0	1666.9	1645.4	1630.9	1621.8
22°	1610.7	1629.3	1650.2	1664.0	1686.2	1676.6	1662.4	1644.1	1621.7	1608.1	1597.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1586.0	1605.8	1626.3	1639.9	1660.7	1651.9	1639.8	1621.2	1599.9	1582.8	1572.8
23°	1559.2	1580.3	1602.1	1612.8	1635.3	1627.2	1617.2	1596.0	1574.0	1555.9	1547.3
23.5°	1532.5	1555.2	1577.4	1587.5	1609.9	1602.5	1591.6	1571.2	1547.2	1528.9	1520.3
24°	1504.2	1528.9	1551.5	1559.4	1580.3	1574.7	1566.5	1545.6	1519.5	1501.3	1491.1
24.5°	1475.6	1501.7	1526.3	1532.3	1551.6	1547.1	1540.7	1519.0	1491.5	1471.8	1460.6
25°	1445.7	1473.5	1499.5	1503.0	1521.6	1518.6	1514.0	1492.2	1463.1	1441.9	1429.0
25.5°	1416.4	1445.4	1472.2	1475.1	1492.6	1489.9	1486.5	1464.9	1434.2	1411.1	1396.0
26°	1386.6	1416.0	1443.7	1445.5	1463.2	1460.7	1458.6	1436.5	1405.3	1380.2	1361.3
26.5°	1357.6	1386.4	1414.7	1415.8	1433.5	1431.1	1429.1	1406.6	1375.2	1348.5	1326.5
27°	1326.4	1356.1	1383.0	1385.9	1403.6	1400.9	1398.7	1376.4	1345.6	1316.3	1292.2
27.5°	1295.7	1325.7	1350.3	1355.4	1374.6	1371.4	1367.5	1345.6	1315.8	1283.1	1259.0
28°	1263.8	1294.8	1316.4	1324.4	1344.9	1341.4	1333.8	1313.8	1284.8	1250.5	1226.1
28.5°	1231.8	1261.3	1281.0	1292.5	1315.0	1310.2	1300.4	1281.1	1253.3	1217.3	1192.9
29°	1198.2	1229.4	1245.4	1260.7	1284.7	1279.6	1265.5	1247.3	1221.1	1184.8	1161.6
29.5°	1165.3	1196.0	1208.4	1228.6	1253.7	1247.9	1229.9	1212.3	1188.1	1152.7	1129.9
30°	1130.3	1161.2	1172.4	1195.2	1221.1	1215.7	1192.8	1176.2	1154.8	1120.4	1098.2
30.5°	1096.6	1125.0	1136.7	1160.6	1188.7	1182.0	1156.4	1139.8	1120.1	1087.8	1066.1
31°	1062.8	1090.1	1102.2	1126.3	1155.9	1148.8	1121.2	1103.4	1086.3	1056.3	1033.3
31.5°	1029.4	1053.1	1068.4	1091.7	1123.2	1114.9	1086.9	1066.9	1051.2	1024.6	1000.6
32°	995.6	1017.4	1035.7	1056.7	1090.1	1080.4	1053.8	1031.8	1018.0	993.2	967.4
32.5°	963.1	981.0	1003.1	1022.2	1058.1	1046.3	1020.8	997.5	982.1	961.1	934.5
33°	930.4	947.5	971.8	988.0	1025.9	1011.4	989.7	963.8	947.0	929.9	901.0
33.5°	897.5	912.0	939.9	953.7	993.3	977.1	958.0	931.2	911.9	897.4	867.3
34°	865.1	879.7	908.5	921.4	960.0	943.6	926.9	899.1	878.3	865.2	835.8
34.5°	832.2	846.1	875.8	889.3	926.8	910.7	895.5	867.6	843.6	832.5	803.5
35°	793.8	813.8	843.5	858.0	893.6	878.4	864.1	837.0	810.7	799.1	773.4
35.5°	763.4	782.7	812.2	827.6	860.6	846.6	832.1	805.2	778.5	766.4	744.1
36°	733.0	751.6	781.4	798.4	826.8	815.5	800.5	773.4	747.7	734.4	715.3
36.5°	702.6	720.5	750.6	768.1	793.8	784.0	768.9	741.9	715.8	702.8	686.3
37°	672.1	689.5	719.8	737.8	760.9	753.4	737.7	710.8	685.4	671.9	658.6
37.5°	640.7	658.4	689.0	707.4	728.6	723.2	706.8	679.2	655.8	641.3	630.2
38°	609.8	630.2	658.2	677.1	697.0	693.4	677.8	649.1	626.7	612.2	602.3
38.5°	579.9	601.3	629.8	647.1	665.2	663.3	648.7	619.8	597.7	583.6	574.0
39°	551.3	573.9	602.5	618.3	634.7	635.1	621.1	591.2	569.9	555.9	546.9
39.5°	522.8	546.2	574.4	589.3	604.7	605.5	593.7	563.8	542.3	527.5	519.7
40°	495.2	519.8	547.1	560.9	575.3	577.6	566.6	537.7	515.0	500.2	493.1
40.5°	469.0	494.4	520.5	533.1	547.0	548.2	539.4	511.3	488.0	473.5	466.9
41°	443.5	468.8	493.8	506.2	518.7	520.8	512.8	486.1	461.9	447.6	441.9
41.5°	418.3	443.8	466.9	479.8	491.9	493.1	486.3	461.4	436.8	422.2	417.9
42°	394.8	420.6	442.0	454.4	465.6	466.9	460.0	437.8	412.5	397.1	394.7
42.5°	371.9	396.9	416.8	429.1	440.2	440.4	433.9	413.8	389.1	373.4	371.2
43°	349.6	373.8	392.4	403.4	415.2	415.2	408.7	390.9	366.6	350.7	348.6
43.5°	327.7	350.6	368.4	378.7	390.5	389.9	384.0	368.0	344.1	328.7	325.8
44°	307.4	328.6	346.4	354.4	366.5	366.4	360.5	346.1	323.4	307.9	304.9
44.5°	287.4	307.4	324.3	330.8	343.5	342.6	337.2	324.1	303.0	287.8	283.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	268.2	287.1	303.2	308.0	321.6	320.2	315.2	303.3	283.6	268.4	262.8
45.5°	249.6	267.0	282.8	285.4	299.5	297.5	293.8	283.0	264.8	249.9	242.8
46°	232.6	248.3	262.7	264.2	278.6	276.5	273.0	263.4	246.3	232.3	225.1
46.5°	215.5	229.5	242.9	243.6	257.9	255.4	253.3	244.0	229.2	217.0	209.1
47°	199.7	212.8	224.0	224.3	238.9	235.5	233.5	225.7	213.9	201.7	193.2
47.5°	184.2	195.7	205.6	205.5	221.4	218.2	216.4	209.5	198.7	186.4	177.3
48°	170.1	180.2	188.2	187.9	204.0	201.0	199.3	193.3	183.5	171.1	161.4
48.5°	156.1	164.6	171.3	171.3	186.6	183.7	182.2	177.2	168.3	155.8	148.4
49°	143.4	150.7	155.3	155.9	169.1	166.5	165.1	161.0	153.2	143.0	136.6
49.5°	131.2	137.2	140.0	141.3	151.8	149.3	148.0	145.0	140.1	130.8	125.7
50°	119.3	124.5	125.8	127.3	136.8	135.0	133.6	131.5	127.7	119.6	115.5
50.5°	108.0	111.8	112.7	114.1	122.5	121.3	120.1	118.6	116.0	109.0	105.8
51°	97.8	100.7	100.8	101.9	109.6	108.9	107.7	106.6	104.7	99.1	96.7
51.5°	87.8	90.0	89.5	90.6	97.3	97.1	96.3	95.3	94.3	89.8	88.3
52°	78.6	80.2	79.3	80.3	86.1	86.2	85.4	84.8	84.2	80.9	80.1
52.5°	70.6	72.1	71.3	72.0	75.6	76.0	75.3	74.9	74.7	72.5	72.0
53°	62.7	64.0	63.2	63.8	66.1	66.7	66.2	65.8	65.7	64.3	64.3
53.5°	54.7	55.9	55.2	55.5	57.2	57.9	57.7	57.3	57.6	56.7	57.1
54°	46.8	47.8	47.1	47.3	49.4	50.1	50.1	49.4	49.8	49.5	50.2
54.5°	40.4	39.7	39.1	39.1	42.6	43.3	43.2	42.5	43.0	43.0	43.8
55°	34.7	34.1	33.5	33.6	36.8	37.4	37.4	36.8	37.0	37.0	37.9
55.5°	29.6	28.8	28.3	28.2	31.5	32.1	32.0	31.4	31.6	31.9	32.6
56°	24.5	23.6	23.2	23.1	26.3	26.6	26.6	28.0	27.7	28.3	27.3
56.5°	19.8	19.1	18.7	18.8	23.2	23.5	23.5	24.5	23.8	24.7	24.0
57°	16.1	15.5	15.1	15.4	20.2	20.5	20.5	21.1	19.9	21.2	20.8
57.5°	13.3	12.8	12.6	12.9	17.1	17.5	17.4	17.7	16.1	17.6	17.5
58°	11.2	10.9	10.7	11.0	14.1	14.5	14.4	14.3	12.2	14.1	14.3
58.5°	9.7	9.4	9.3	9.5	11.0	11.5	11.4	10.9	10.6	10.5	11.0
59°	8.5	8.2	8.2	8.4	9.7	10.1	10.0	9.5	9.2	9.2	9.5
59.5°	7.8	7.5	7.5	7.7	8.7	9.0	8.9	8.5	8.2	8.1	8.4
60°	7.1	6.8	6.8	7.1	7.8	8.1	8.0	7.6	7.3	7.2	7.5
60.5°	6.4	6.2	6.2	6.4	7.1	7.4	7.2	6.8	6.5	6.5	6.7
61°	5.6	5.5	5.5	5.7	6.4	6.7	6.6	6.2	5.9	5.9	6.1
61.5°	5.1	5.0	5.0	5.2	5.9	6.1	6.0	5.6	5.4	5.3	5.5
62°	4.7	4.6	4.6	4.8	5.4	5.6	5.5	5.2	4.9	4.9	5.0
62.5°	4.3	4.2	4.2	4.4	4.9	5.2	5.1	4.7	4.5	4.5	4.6
63°	4.0	3.9	3.9	4.0	4.6	4.8	4.7	4.4	4.2	4.1	4.2
63.5°	3.6	3.6	3.6	3.7	4.2	4.4	4.3	4.0	3.8	3.8	3.9
64°	3.4	3.3	3.3	3.5	3.9	4.1	4.0	3.7	3.6	3.5	3.6
64.5°	3.1	3.0	3.1	3.2	3.6	3.8	3.7	3.4	3.3	3.3	3.4
65°	2.9	2.8	2.8	3.0	3.4	3.5	3.4	3.2	3.1	3.0	3.1
65.5°	2.7	2.6	2.6	2.8	3.1	3.3	3.2	3.0	2.8	2.8	2.9
66°	2.5	2.4	2.5	2.6	2.9	3.1	3.0	2.8	2.6	2.6	2.7
66.5°	2.3	2.3	2.3	2.4	2.7	2.8	2.8	2.6	2.5	2.4	2.5
67°	2.1	2.1	2.1	2.2	2.5	2.7	2.6	2.4	2.3	2.3	2.3

TEST NUMBER: P1590477

CATALOG NUMBER: HCDLS1525CSD4TRH-ME-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	2.0	1.9	2.0	2.1	2.3	2.5	2.4	2.2	2.1	2.1	2.2
68°	1.8	1.8	1.8	1.9	2.2	2.3	2.2	2.1	2.0	1.9	2.0
68.5°	1.7	1.7	1.7	1.8	2.0	2.1	2.1	1.9	1.8	1.8	1.9
69°	1.6	1.5	1.6	1.7	1.9	2.0	1.9	1.8	1.7	1.7	1.7
69.5°	1.5	1.4	1.5	1.5	1.8	1.9	1.8	1.7	1.6	1.6	1.6
70°	1.4	1.3	1.3	1.4	1.6	1.7	1.7	1.5	1.5	1.5	1.5
70.5°	1.3	1.2	1.2	1.3	1.5	1.6	1.5	1.4	1.4	1.3	1.4
71°	1.2	1.1	1.2	1.2	1.4	1.5	1.4	1.3	1.3	1.3	1.3
71.5°	1.1	1.0	1.1	1.1	1.3	1.4	1.3	1.2	1.2	1.2	1.2
72°	1.0	1.0	1.0	1.1	1.2	1.3	1.2	1.1	1.1	1.1	1.1
72.5°	0.9	0.9	0.9	1.0	1.1	1.2	1.1	1.1	1.0	1.0	1.0
73°	0.8	0.8	0.8	0.9	1.0	1.1	1.1	1.0	0.9	0.9	0.9
73.5°	0.8	0.7	0.8	0.8	1.0	1.0	1.0	0.9	0.8	0.8	0.9
74°	0.7	0.7	0.7	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8
74.5°	0.6	0.6	0.6	0.7	0.8	0.9	0.8	0.8	0.7	0.7	0.7
75°	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.7	0.7	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	0.5	0.5	0.5	0.6	0.7	0.6	0.6	0.5	0.5	0.6
76.5°	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
77°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.5
77.5°	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4
78°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
78.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3
79°	0.2	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3
79.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.3
80°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2
80.5°	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
81°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2
81.5°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
82°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
83°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1590477

CATALOG NUMBER: HCDLS1525CSD4TRH-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: P1590477

CATALOG NUMBER: HCDLS1525CSD4TRH-ME-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.5°	0.1	0.1	0.1	0.0	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1
124.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
128.5°	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2
129°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
129.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
130°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
130.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
131°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
131.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
132°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
132.5°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
133°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
133.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
134°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
134.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

TEST NUMBER: P1590477

CATALOG NUMBER: HCDLS1525CSD4TRH-ME-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
135.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
136°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
136.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
137°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
137.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
138°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
138.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5
139°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
139.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
140°	0.4	0.4	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
140.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
141°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6
141.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6
142°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
142.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
143°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
143.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.7
144°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.7	0.7	0.7
144.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
146°	0.5	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
146.5°	0.5	0.5	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.8	0.8
147°	0.5	0.5	0.4	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
148°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
148.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
149°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
149.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.9	0.9	0.9
150°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
151°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
151.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	0.6	0.5	0.5	0.5	0.9	0.9	0.9	0.9	1.0	1.0	1.0
153°	0.6	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
153.5°	0.6	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
154°	0.6	0.6	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
154.5°	0.6	0.6	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
155°	0.6	0.6	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
155.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.1	1.0
156°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.1	1.1	1.1
156.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
157°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TEST NUMBER: P1590477

CATALOG NUMBER: HCDLS1525CSD4TRH-ME-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
158°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
158.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
159°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
159.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
160°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.2	1.2	1.2
160.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.2	1.2	1.2	1.2
161°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
161.5°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
162°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
162.5°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
163°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
163.5°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
164°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
164.5°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
165°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
165.5°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
166°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
166.5°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
167°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
167.5°	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
168°	0.6	0.6	0.6	0.6	1.1	1.2	1.2	1.2	1.2	1.2	1.2
168.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.2	1.2	1.2	1.2	1.2
169°	0.6	0.6	0.6	0.6	1.1	1.1	1.2	1.2	1.2	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	1.1	1.1	1.1	1.1	1.1	1.1	1.1
171°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
171.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
172°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
172.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.1	1.1	1.1	1.1	1.1
173°	0.6	0.6	0.6	0.6	1.0	1.0	1.1	1.1	1.1	1.0	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0
175.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
176°	0.7	0.6	0.6	0.6	0.9	1.0	1.0	1.0	1.0	1.0	1.0
176.5°	0.7	0.7	0.7	0.6	0.9	0.9	1.0	1.0	1.0	1.0	0.9
177°	0.7	0.7	0.7	0.7	0.9	0.9	1.0	1.0	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°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
179°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
179.5°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.8



TEST NUMBER: P1590477

CATALOG NUMBER: HCDLS1525CSD4TRH-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: P1590477

CATALOG NUMBER: HCDLS1525CSD4TRH-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2239.4	2239.4	2239.4	2239.4	2239.4	2239.4
0.5°	2239.6	2238.1	2238.8	2239.6	2239.4	2239.8
1°	2239.0	2237.5	2238.3	2238.7	2238.5	2238.8
1.5°	2238.1	2236.5	2237.5	2237.3	2236.9	2237.7
2°	2236.9	2235.3	2235.7	2234.9	2234.7	2236.1
2.5°	2234.7	2233.9	2233.9	2232.6	2232.4	2234.1
3°	2232.8	2232.6	2232.0	2229.2	2228.4	2232.0
3.5°	2229.8	2230.2	2229.0	2225.3	2223.9	2228.4
4°	2226.5	2227.2	2225.7	2220.6	2219.0	2224.5
4.5°	2221.9	2223.9	2221.7	2215.4	2213.5	2219.6
5°	2217.2	2219.8	2217.4	2209.5	2207.2	2214.3
5.5°	2212.3	2215.2	2212.5	2203.6	2200.7	2208.2
6°	2206.6	2209.9	2207.2	2197.5	2193.6	2201.9
6.5°	2200.3	2204.2	2201.1	2191.3	2187.1	2194.6
7°	2193.6	2197.0	2194.6	2184.6	2179.7	2186.9
7.5°	2186.3	2189.3	2186.7	2177.9	2172.6	2178.5
8°	2178.1	2180.2	2178.3	2169.6	2164.7	2170.0
8.5°	2169.4	2170.0	2168.4	2161.6	2156.4	2160.2
9°	2159.0	2157.8	2157.4	2151.7	2147.2	2149.8
9.5°	2147.6	2144.4	2144.6	2141.1	2137.0	2138.2
10°	2134.2	2128.5	2129.9	2128.1	2125.8	2126.2
10.5°	2118.9	2111.0	2112.8	2114.4	2113.2	2112.8
11°	2101.8	2091.2	2093.9	2097.8	2098.8	2097.8
11.5°	2081.5	2068.9	2072.5	2079.2	2082.5	2081.5
12°	2060.1	2045.1	2049.7	2057.9	2063.4	2063.2
12.5°	2037.1	2021.5	2025.9	2036.1	2043.0	2044.3
13°	2013.7	1996.6	2001.1	2012.7	2022.3	2024.5
13.5°	1989.5	1972.4	1976.3	1988.7	2000.3	2003.8
14°	1964.8	1946.5	1951.1	1964.2	1977.1	1982.4
14.5°	1939.5	1921.2	1925.9	1939.9	1953.7	1960.8
15°	1914.4	1895.1	1900.0	1914.4	1929.9	1938.5
15.5°	1889.8	1870.2	1875.1	1890.6	1905.5	1915.6
16°	1865.4	1845.6	1850.9	1865.7	1881.1	1892.9
16.5°	1840.8	1822.0	1826.9	1841.9	1858.2	1870.2
17°	1817.1	1797.5	1802.4	1818.3	1834.1	1847.0
17.5°	1793.7	1773.4	1779.3	1794.2	1810.8	1823.2
18°	1770.4	1749.2	1755.1	1770.5	1786.5	1799.5
18.5°	1746.3	1725.4	1731.2	1747.3	1762.9	1776.0
19°	1723.7	1701.7	1708.4	1723.8	1738.8	1752.5
19.5°	1701.5	1677.5	1685.2	1700.8	1715.6	1729.3
20°	1679.4	1654.9	1662.9	1677.8	1691.7	1705.6
20.5°	1657.3	1631.3	1639.7	1655.5	1668.5	1682.3
21°	1635.2	1608.9	1616.9	1631.9	1644.8	1658.7
21.5°	1613.1	1585.5	1594.1	1608.8	1620.9	1635.3
22°	1590.4	1562.6	1571.3	1585.3	1597.7	1610.7

TEST NUMBER: P1590477

CATALOG NUMBER: HCDLS1525CSD4TRH-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1566.9	1538.9	1547.2	1561.9	1572.8	1586.0
23°	1541.3	1513.5	1521.4	1536.5	1546.5	1559.2
23.5°	1513.6	1486.0	1494.4	1509.6	1520.1	1532.5
24°	1485.4	1456.4	1465.7	1480.8	1491.5	1504.2
24.5°	1456.3	1424.0	1435.9	1449.9	1461.3	1475.6
25°	1425.7	1393.4	1404.7	1418.0	1429.7	1445.7
25.5°	1393.7	1362.1	1373.1	1384.8	1398.2	1416.4
26°	1361.6	1331.2	1341.0	1350.7	1365.6	1386.6
26.5°	1328.3	1298.8	1308.4	1316.4	1332.3	1357.6
27°	1294.0	1268.3	1275.5	1281.6	1297.4	1326.4
27.5°	1259.4	1237.0	1241.3	1246.7	1263.4	1295.7
28°	1223.8	1204.6	1207.3	1212.4	1231.1	1263.8
28.5°	1188.8	1172.2	1173.8	1178.4	1198.8	1231.8
29°	1154.8	1139.3	1140.4	1145.3	1167.1	1198.2
29.5°	1121.3	1105.2	1106.8	1112.6	1135.8	1165.3
30°	1087.9	1070.7	1072.2	1080.5	1105.1	1130.3
30.5°	1054.4	1035.0	1037.9	1048.2	1073.4	1096.6
31°	1021.9	1000.9	1003.7	1015.8	1041.9	1062.8
31.5°	989.2	965.9	970.0	983.5	1009.8	1029.4
32°	957.2	931.9	936.8	951.0	976.7	995.6
32.5°	925.3	898.5	903.9	918.5	943.7	963.1
33°	893.2	865.6	872.0	886.0	910.3	930.4
33.5°	860.9	832.1	840.7	852.7	876.5	897.5
34°	829.2	795.2	811.2	821.1	842.7	865.1
34.5°	797.5	765.6	780.6	790.9	810.2	832.2
35°	767.0	736.0	749.9	760.8	779.5	793.8
35.5°	736.1	706.4	719.2	730.7	748.7	763.4
36°	706.8	676.8	688.5	700.6	718.0	733.0
36.5°	677.2	648.2	657.8	670.4	687.2	702.6
37°	648.0	619.9	628.7	642.1	656.5	672.1
37.5°	619.3	592.3	600.0	614.0	627.9	640.7
38°	591.3	566.1	571.6	587.0	599.7	609.8
38.5°	564.1	540.1	544.1	559.5	571.1	579.9
39°	537.6	515.1	519.1	532.8	543.7	551.3
39.5°	511.3	489.7	493.7	505.7	516.0	522.8
40°	485.2	464.9	468.9	479.7	488.5	495.2
40.5°	460.5	441.4	444.9	453.7	461.0	469.0
41°	436.2	418.7	422.0	428.5	435.2	443.5
41.5°	412.7	396.7	399.5	404.3	409.3	418.3
42°	389.8	375.5	377.5	380.9	385.0	394.8
42.5°	367.2	355.1	356.3	357.2	361.0	371.9
43°	345.8	335.4	335.6	335.9	338.7	349.6
43.5°	325.1	316.1	315.7	313.8	316.7	327.7
44°	305.3	297.5	296.6	293.0	295.7	307.4
44.5°	286.2	279.4	278.4	272.5	275.2	287.4

TEST NUMBER: P1590477

CATALOG NUMBER: HCDLS1525CSD4TRH-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	267.7	262.2	260.5	253.3	255.6	268.2
45.5°	250.1	245.5	243.7	234.7	237.2	249.6
46°	233.1	229.7	227.6	217.0	219.6	232.6
46.5°	217.2	214.1	212.0	200.3	202.6	215.5
47°	202.5	199.2	197.1	185.0	186.6	199.7
47.5°	188.0	184.9	182.6	170.6	171.9	184.2
48°	173.4	171.2	169.0	157.1	158.3	170.1
48.5°	158.8	158.4	156.0	144.8	145.7	156.1
49°	146.0	145.9	143.6	133.5	133.4	143.4
49.5°	133.8	134.0	131.8	123.1	123.0	131.2
50°	122.7	122.6	120.4	113.1	112.7	119.3
50.5°	111.9	111.7	109.8	103.7	103.2	108.0
51°	101.9	101.4	99.9	94.8	94.0	97.8
51.5°	92.4	91.5	90.4	86.4	85.6	87.8
52°	83.5	82.3	81.4	78.1	78.2	78.6
52.5°	74.8	74.5	73.8	70.8	70.7	70.6
53°	66.7	66.7	66.3	63.6	63.1	62.7
53.5°	59.2	58.9	58.7	56.3	55.6	54.7
54°	51.9	51.1	51.2	49.0	48.0	46.8
54.5°	45.1	43.4	43.6	42.8	41.6	40.4
55°	39.1	37.5	37.8	37.2	35.9	34.7
55.5°	33.8	32.3	32.6	32.0	31.0	29.6
56°	28.6	27.0	27.4	26.9	25.9	24.5
56.5°	25.2	22.2	22.7	22.1	21.1	19.8
57°	21.8	18.3	18.6	18.1	17.1	16.1
57.5°	18.4	15.2	15.6	15.1	14.2	13.3
58°	15.0	13.0	13.3	12.9	12.1	11.2
58.5°	11.6	11.2	11.6	11.2	10.4	9.7
59°	10.1	9.9	10.2	9.8	9.1	8.5
59.5°	8.9	8.8	9.0	8.7	8.0	7.8
60°	8.0	8.1	8.1	8.1	7.4	7.1
60.5°	7.2	7.5	7.5	7.4	6.8	6.4
61°	6.5	6.8	6.9	6.8	6.2	5.6
61.5°	5.9	6.2	6.4	6.1	5.5	5.1
62°	5.4	5.6	5.8	5.5	5.0	4.7
62.5°	4.9	5.1	5.3	5.1	4.6	4.3
63°	4.5	4.7	4.9	4.7	4.3	4.0
63.5°	4.2	4.4	4.5	4.3	3.9	3.6
64°	3.9	4.0	4.2	4.0	3.6	3.4
64.5°	3.6	3.7	3.9	3.7	3.3	3.1
65°	3.3	3.5	3.6	3.4	3.1	2.9
65.5°	3.1	3.2	3.4	3.2	2.9	2.7
66°	2.9	3.0	3.1	3.0	2.7	2.5
66.5°	2.7	2.8	2.9	2.7	2.5	2.3
67°	2.5	2.6	2.7	2.6	2.3	2.1

TEST NUMBER: P1590477

CATALOG NUMBER: HCDLS1525CSD4TRH-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	2.3	2.4	2.5	2.4	2.1	2.0
68°	2.1	2.3	2.3	2.2	2.0	1.8
68.5°	2.0	2.1	2.2	2.1	1.8	1.7
69°	1.9	1.9	2.0	1.9	1.7	1.6
69.5°	1.7	1.8	1.9	1.8	1.6	1.5
70°	1.6	1.7	1.8	1.6	1.5	1.4
70.5°	1.5	1.6	1.6	1.5	1.4	1.3
71°	1.4	1.5	1.5	1.4	1.3	1.2
71.5°	1.3	1.3	1.4	1.3	1.2	1.1
72°	1.2	1.2	1.3	1.2	1.1	1.0
72.5°	1.1	1.2	1.2	1.1	1.0	0.9
73°	1.0	1.1	1.1	1.0	0.9	0.8
73.5°	0.9	1.0	1.0	1.0	0.8	0.8
74°	0.9	0.9	0.9	0.9	0.8	0.7
74.5°	0.8	0.8	0.9	0.8	0.7	0.6
75°	0.7	0.8	0.8	0.7	0.6	0.6
75.5°	0.7	0.7	0.7	0.7	0.6	0.5
76°	0.6	0.6	0.7	0.6	0.5	0.5
76.5°	0.6	0.6	0.6	0.6	0.5	0.4
77°	0.5	0.5	0.6	0.5	0.4	0.4
77.5°	0.5	0.5	0.5	0.5	0.4	0.3
78°	0.4	0.4	0.5	0.4	0.4	0.3
78.5°	0.4	0.4	0.4	0.4	0.3	0.3
79°	0.3	0.3	0.4	0.3	0.3	0.2
79.5°	0.3	0.3	0.3	0.3	0.2	0.2
80°	0.2	0.3	0.3	0.3	0.2	0.2
80.5°	0.2	0.2	0.2	0.2	0.2	0.1
81°	0.2	0.2	0.2	0.2	0.1	0.1
81.5°	0.1	0.2	0.2	0.2	0.1	0.1
82°	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	0.1	0.1	0.1	0.1	0.1	0.0
83°	0.1	0.1	0.1	0.1	0.0	0.0
83.5°	0.0	0.0	0.1	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0
89°	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1590477

CATALOG NUMBER: HCDLS1525CSD4TRH-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: P1590477

CATALOG NUMBER: HCDLS1525CSD4TRH-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.1	0.1	0.0	0.0	0.0
121°	0.0	0.1	0.1	0.1	0.1	0.0
121.5°	0.0	0.1	0.1	0.1	0.1	0.1
122°	0.0	0.1	0.1	0.1	0.1	0.1
122.5°	0.0	0.1	0.1	0.1	0.1	0.1
123°	0.1	0.1	0.1	0.1	0.1	0.1
123.5°	0.1	0.1	0.1	0.1	0.1	0.1
124°	0.1	0.1	0.1	0.1	0.1	0.1
124.5°	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.1	0.1	0.1	0.1
125.5°	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.2	0.2	0.2	0.2	0.1	0.1
128°	0.2	0.2	0.2	0.2	0.2	0.2
128.5°	0.2	0.2	0.2	0.2	0.2	0.2
129°	0.2	0.2	0.2	0.2	0.2	0.2
129.5°	0.2	0.2	0.2	0.2	0.2	0.2
130°	0.2	0.2	0.2	0.2	0.2	0.2
130.5°	0.2	0.2	0.2	0.2	0.2	0.2
131°	0.2	0.2	0.2	0.2	0.2	0.2
131.5°	0.3	0.2	0.2	0.2	0.2	0.2
132°	0.3	0.2	0.2	0.2	0.2	0.2
132.5°	0.3	0.2	0.2	0.2	0.2	0.2
133°	0.3	0.2	0.2	0.2	0.2	0.2
133.5°	0.3	0.3	0.3	0.3	0.2	0.2
134°	0.3	0.3	0.3	0.3	0.3	0.3
134.5°	0.3	0.3	0.3	0.3	0.3	0.3

TEST NUMBER: P1590477

CATALOG NUMBER: HCDLS1525CSD4TRH-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.4	0.3	0.3	0.3	0.3	0.3
135.5°	0.4	0.3	0.3	0.3	0.3	0.3
136°	0.4	0.3	0.3	0.3	0.3	0.3
136.5°	0.4	0.3	0.3	0.3	0.3	0.3
137°	0.4	0.3	0.3	0.3	0.3	0.3
137.5°	0.4	0.3	0.3	0.3	0.3	0.3
138°	0.4	0.3	0.3	0.3	0.3	0.3
138.5°	0.5	0.3	0.3	0.3	0.3	0.3
139°	0.5	0.4	0.4	0.3	0.3	0.3
139.5°	0.5	0.4	0.4	0.4	0.4	0.3
140°	0.5	0.4	0.4	0.4	0.4	0.4
140.5°	0.5	0.4	0.4	0.4	0.4	0.4
141°	0.6	0.4	0.4	0.4	0.4	0.4
141.5°	0.6	0.4	0.4	0.4	0.4	0.4
142°	0.6	0.4	0.4	0.4	0.4	0.4
142.5°	0.6	0.4	0.4	0.4	0.4	0.4
143°	0.6	0.4	0.4	0.4	0.4	0.4
143.5°	0.7	0.4	0.4	0.4	0.4	0.4
144°	0.7	0.4	0.4	0.4	0.4	0.4
144.5°	0.7	0.4	0.4	0.4	0.4	0.4
145°	0.7	0.5	0.4	0.4	0.4	0.4
145.5°	0.7	0.5	0.5	0.5	0.5	0.4
146°	0.7	0.5	0.5	0.5	0.5	0.5
146.5°	0.8	0.5	0.5	0.5	0.5	0.5
147°	0.8	0.5	0.5	0.5	0.5	0.5
147.5°	0.8	0.5	0.5	0.5	0.5	0.5
148°	0.8	0.5	0.5	0.5	0.5	0.5
148.5°	0.8	0.5	0.5	0.5	0.5	0.5
149°	0.9	0.5	0.5	0.5	0.5	0.5
149.5°	0.9	0.5	0.5	0.5	0.5	0.5
150°	0.9	0.5	0.5	0.5	0.5	0.5
150.5°	0.9	0.5	0.5	0.5	0.5	0.5
151°	0.9	0.5	0.5	0.5	0.5	0.5
151.5°	0.9	0.5	0.5	0.5	0.5	0.5
152°	0.9	0.5	0.5	0.6	0.5	0.5
152.5°	1.0	0.5	0.5	0.6	0.6	0.6
153°	1.0	0.5	0.6	0.6	0.6	0.6
153.5°	1.0	0.6	0.6	0.6	0.6	0.6
154°	1.0	0.6	0.6	0.6	0.6	0.6
154.5°	1.0	0.6	0.6	0.6	0.6	0.6
155°	1.0	0.6	0.6	0.6	0.6	0.6
155.5°	1.0	0.6	0.6	0.6	0.6	0.6
156°	1.1	0.6	0.6	0.6	0.6	0.6
156.5°	1.1	0.6	0.6	0.6	0.6	0.6
157°	1.1	0.6	0.6	0.6	0.6	0.6

TEST NUMBER: P1590477

CATALOG NUMBER: HCDLS1525CSD4TRH-ME-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.1	0.6	0.6	0.6	0.6	0.6
158°	1.1	0.6	0.6	0.6	0.6	0.6
158.5°	1.1	0.6	0.6	0.6	0.6	0.6
159°	1.1	0.6	0.6	0.6	0.6	0.6
159.5°	1.1	0.6	0.6	0.6	0.6	0.6
160°	1.1	0.6	0.6	0.6	0.6	0.6
160.5°	1.2	0.6	0.6	0.6	0.6	0.6
161°	1.2	0.6	0.6	0.6	0.6	0.6
161.5°	1.2	0.6	0.6	0.6	0.6	0.6
162°	1.2	0.6	0.6	0.6	0.6	0.6
162.5°	1.2	0.6	0.6	0.6	0.6	0.6
163°	1.2	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	0.7	0.7	0.6
164.5°	1.2	0.6	0.6	0.7	0.7	0.6
165°	1.2	0.6	0.6	0.7	0.7	0.6
165.5°	1.2	0.6	0.6	0.7	0.7	0.6
166°	1.2	0.6	0.6	0.7	0.7	0.6
166.5°	1.2	0.6	0.6	0.7	0.7	0.6
167°	1.2	0.6	0.6	0.7	0.7	0.6
167.5°	1.2	0.6	0.6	0.7	0.7	0.6
168°	1.2	0.6	0.6	0.7	0.7	0.6
168.5°	1.2	0.6	0.6	0.6	0.7	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°	1.1	0.6	0.6	0.6	0.6	0.6
171.5°	1.1	0.6	0.6	0.6	0.6	0.6
172°	1.1	0.6	0.6	0.6	0.6	0.6
172.5°	1.0	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°	1.0	0.6	0.6	0.6	0.6	0.6
175.5°	1.0	0.6	0.6	0.7	0.7	0.6
176°	1.0	0.6	0.7	0.7	0.7	0.7
176.5°	0.9	0.7	0.7	0.7	0.7	0.7
177°	0.9	0.7	0.7	0.7	0.7	0.7
177.5°	0.9	0.7	0.7	0.7	0.7	0.7
178°	0.9	0.7	0.8	0.8	0.8	0.7
178.5°	0.9	0.8	0.8	0.8	0.8	0.8
179°	0.9	0.8	0.8	0.8	0.8	0.8
179.5°	0.8	0.8	0.8	0.8	0.8	0.8



TEST NUMBER: P1590477

CATALOG NUMBER: HCDLS1525CSD4TRH-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: P1590477

CATALOG NUMBER: HCDLS1525CSD4TRH-ME-2700K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	5.0	6.1	5.4	6.4	6.7	6.0	7.1	6.4	7.4	7.7
	3H	5.0	5.9	5.4	6.2	6.6	6.0	6.9	6.4	7.2	7.6
	4H	4.9	5.7	5.3	6.1	6.5	5.9	6.8	6.3	7.1	7.5
	6H	4.8	5.6	5.2	6.0	6.4	5.8	6.6	6.2	7.0	7.4
	8H	4.8	5.5	5.2	5.9	6.3	5.8	6.5	6.2	6.9	7.3
	12H	4.7	5.4	5.1	5.8	6.2	5.7	6.4	6.1	6.8	7.2
4H	2H	4.9	5.7	5.3	6.1	6.5	5.8	6.7	6.3	7.0	7.4
	3H	4.8	5.5	5.2	5.9	6.3	5.8	6.5	6.2	6.9	7.3
	4H	4.7	5.3	5.2	5.8	6.2	5.7	6.3	6.2	6.7	7.2
	6H	4.6	5.2	5.1	5.6	6.1	5.6	6.1	6.1	6.6	7.1
	8H	4.6	5.1	5.1	5.5	6.0	5.6	6.0	6.0	6.5	7.0
	12H	4.5	4.9	5.0	5.4	5.9	5.5	5.9	6.0	6.4	6.9
8H	4H	4.6	5.1	5.1	5.5	6.0	5.6	6.0	6.0	6.5	7.0
	6H	4.5	4.9	5.0	5.4	5.9	5.4	5.8	6.0	6.3	6.8
	8H	4.4	4.7	4.9	5.3	5.8	5.4	5.7	5.9	6.2	6.7
	12H	4.3	4.6	4.9	5.1	5.7	5.3	5.6	5.8	6.1	6.7
12H	4H	4.5	4.9	5.0	5.4	5.9	5.5	5.9	6.0	6.4	6.9
	6H	4.4	4.8	4.9	5.2	5.8	5.4	5.7	5.9	6.2	6.7
	8H	4.3	4.6	4.9	5.1	5.7	5.3	5.6	5.8	6.1	6.7

(END OF REPORT)