

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: P1590482

Luminaire Tested: HCDLS1525CSD4TRMW-HI-2700K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590482
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-HI-2700K
Description: 4" Selectable Round Trim+Matte White (paintable) 2500 Lumens 2700K

Light Source:
Ballast/Driver: -

Summary

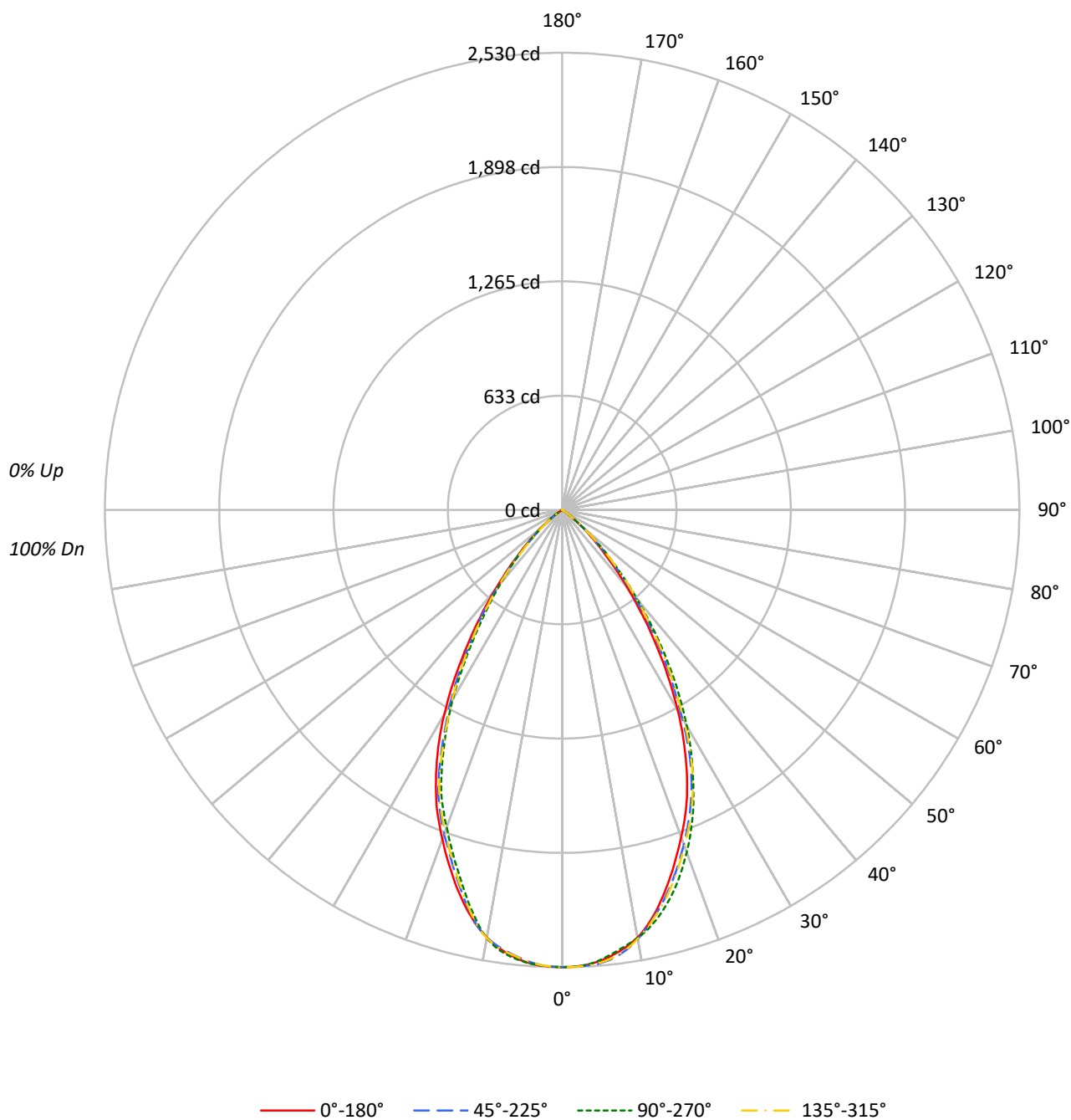
Lumens per Lamp: N/A
Luminaire Lumens: 2473.8 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 26.3
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	312015	312015	312015	312015
5°	309691	309034	310050	310458
10°	300809	301197	300747	301147
15°	279618	287484	280588	273361
20°	252902	264519	254530	245381
25°	222260	233923	224927	214216
30°	181851	196450	185782	172266
35°	135023	151993	137884	125190
40°	90073	104644	93663	84550
45°	52837	63373	55890	51651
50°	25848	29647	27690	26577
55°	8430	8946	8989	9096
60°	1974	2171	2023	2270
65°	963	1109	1022	1138
70°	541	685	613	685
75°	334	381	334	429
80°	142	213	142	213
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 63373 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.9	9.5
10°-20°	612.6	24.8
20°-30°	748.4	30.3
30°-40°	570.2	23.0
40°-50°	254.2	10.3
50°-60°	46.0	1.9
60°-70°	4.0	0.2
70°-80°	0.9	0.0
80°-90°	0.1	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°	0.3	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°	1596.9	64.6
0°-40°	2167.0	87.6
0°-60°	2467.3	99.7
0°-90°	2472.2	99.9
90°-120°	0.0	0.0
90°-150°	0.8	0.0
90°-180°	2.0	0.1
0°-180°	2473.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2530	2530	2530	2530	2530	
5°	2501	2496	2504	2507	2501	236
15°	2190	2251	2197	2141	2190	611
25°	1633	1719	1653	1574	1633	742
35°	897	1009	916	831	897	560
45°	303	363	320	296	303	241
55°	39	42	42	42	39	44
65°	3	4	4	4	3	4
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°	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6
0.5°	2530.1	2529.2	2529.4	2530.1	2529.2	2529.4	2530.5	2530.1	2530.1	2529.2	2529.2
1°	2529.0	2529.0	2529.4	2530.1	2529.2	2529.4	2529.9	2529.9	2529.2	2528.3	2528.3
1.5°	2527.6	2528.1	2529.0	2529.2	2528.3	2529.0	2529.2	2529.0	2528.3	2527.0	2527.0
2°	2525.9	2526.8	2528.3	2528.1	2526.8	2527.4	2528.3	2528.1	2526.5	2524.5	2525.0
2.5°	2523.6	2525.9	2527.2	2526.1	2524.5	2525.2	2527.4	2526.8	2524.3	2521.9	2522.3
3°	2521.2	2524.5	2525.6	2523.4	2521.2	2522.5	2525.2	2525.2	2521.9	2518.1	2518.5
3.5°	2517.2	2523.0	2523.9	2520.1	2516.8	2519.0	2522.8	2523.0	2519.0	2513.4	2513.9
4°	2512.8	2520.8	2522.1	2515.7	2510.8	2514.1	2520.3	2520.8	2514.8	2507.7	2508.3
4.5°	2507.2	2517.6	2519.2	2510.1	2503.7	2508.1	2516.5	2517.6	2510.1	2501.0	2502.1
5°	2501.2	2513.9	2514.8	2503.2	2495.9	2500.8	2511.9	2514.1	2504.1	2493.7	2495.2
5.5°	2494.3	2508.8	2509.9	2496.1	2487.4	2493.2	2506.3	2509.2	2497.9	2485.7	2488.1
6°	2487.2	2502.5	2503.9	2487.9	2478.6	2484.8	2500.1	2503.4	2490.3	2477.4	2480.3
6.5°	2479.0	2495.4	2497.0	2479.7	2469.4	2476.1	2492.8	2496.5	2481.9	2469.0	2472.6
7°	2470.3	2486.8	2488.3	2470.8	2460.6	2467.2	2484.3	2488.3	2472.8	2459.9	2464.6
7.5°	2460.8	2477.0	2478.6	2461.2	2451.7	2457.7	2475.0	2478.8	2463.7	2450.8	2455.9
8°	2451.2	2466.3	2467.4	2450.8	2442.6	2447.9	2464.3	2467.4	2452.8	2441.5	2447.0
8.5°	2440.1	2454.1	2455.2	2439.9	2433.5	2438.3	2452.3	2455.7	2441.2	2431.0	2437.2
9°	2428.3	2440.6	2441.5	2428.6	2424.1	2427.5	2439.0	2441.9	2429.0	2420.3	2426.6
9.5°	2415.2	2425.7	2426.8	2416.3	2414.8	2416.1	2425.0	2426.8	2416.1	2408.6	2415.0
10°	2401.7	2409.9	2410.8	2403.2	2404.8	2403.9	2409.7	2410.8	2401.2	2396.1	2401.9
10.5°	2386.6	2392.8	2393.7	2389.2	2393.9	2391.5	2393.7	2393.2	2385.5	2381.2	2386.4
11°	2369.7	2374.8	2375.7	2374.4	2381.9	2377.7	2376.6	2375.7	2369.0	2365.7	2369.3
11.5°	2351.3	2355.3	2357.5	2358.8	2369.0	2363.5	2359.0	2357.0	2351.3	2348.4	2350.1
12°	2330.6	2335.0	2338.4	2341.5	2355.5	2348.1	2341.3	2337.7	2332.4	2328.2	2327.9
12.5°	2309.3	2314.2	2317.9	2324.8	2339.9	2331.3	2322.6	2317.7	2311.0	2306.4	2303.1
13°	2286.8	2293.1	2297.9	2306.6	2324.4	2314.6	2303.3	2296.4	2290.8	2283.7	2278.8
13.5°	2263.5	2270.6	2277.3	2288.4	2307.3	2297.5	2283.5	2275.7	2268.4	2259.7	2253.3
14°	2239.3	2247.7	2256.4	2268.6	2289.1	2278.6	2263.3	2253.5	2245.7	2235.1	2226.6
14.5°	2214.9	2224.6	2235.1	2249.1	2270.4	2259.5	2242.0	2231.5	2221.3	2209.5	2199.8
15°	2189.7	2201.1	2212.7	2228.4	2251.3	2239.1	2221.5	2208.9	2197.3	2183.6	2172.0
15.5°	2163.8	2176.9	2190.4	2206.9	2231.3	2218.4	2199.1	2185.7	2172.8	2157.5	2144.2
16°	2138.2	2152.2	2167.1	2183.8	2209.9	2196.6	2176.6	2161.5	2147.5	2130.3	2116.9
16.5°	2112.6	2127.8	2143.6	2161.6	2188.2	2174.3	2152.8	2137.1	2121.9	2103.6	2089.9
17°	2086.4	2103.0	2119.7	2138.3	2165.6	2151.2	2128.9	2112.3	2095.8	2076.9	2062.8
17.5°	2059.5	2077.7	2094.7	2114.4	2142.4	2127.6	2105.0	2086.4	2069.7	2050.2	2035.8
18°	2032.7	2051.8	2069.5	2089.4	2117.6	2103.6	2079.7	2061.1	2043.9	2023.7	2009.1
18.5°	2006.1	2025.5	2044.4	2064.4	2093.1	2078.6	2054.8	2036.0	2017.7	1997.1	1982.9
19°	1979.6	1999.3	2019.7	2039.2	2067.2	2053.4	2030.1	2010.4	1990.6	1971.2	1956.5
19.5°	1953.4	1973.4	1994.4	2013.6	2042.0	2027.9	2005.1	1984.0	1964.7	1945.4	1933.1
20°	1926.7	1946.9	1968.9	1987.8	2015.2	2002.6	1980.2	1959.0	1939.1	1919.6	1907.8
20.5°	1900.3	1921.2	1943.1	1961.9	1989.0	1976.8	1954.4	1934.4	1912.3	1893.9	1882.5
21°	1873.6	1894.3	1917.0	1935.1	1962.1	1949.7	1928.9	1908.6	1885.4	1868.1	1857.2
21.5°	1847.2	1867.9	1891.2	1908.0	1933.4	1921.8	1903.4	1882.9	1858.6	1842.3	1831.9
22°	1819.4	1840.4	1864.0	1879.7	1904.7	1893.9	1877.9	1857.1	1831.8	1816.5	1804.1

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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°	1791.5	1813.8	1837.0	1852.4	1876.0	1866.0	1852.3	1831.3	1807.2	1787.9	1776.6
23°	1761.2	1785.1	1809.7	1821.8	1847.3	1838.1	1826.8	1802.9	1778.0	1757.6	1747.8
23.5°	1731.1	1756.7	1781.8	1793.3	1818.5	1810.1	1797.8	1774.8	1747.7	1727.0	1717.3
24°	1699.2	1727.1	1752.5	1761.4	1785.1	1778.8	1769.6	1745.9	1716.4	1695.8	1684.3
24.5°	1666.8	1696.3	1724.1	1730.9	1752.6	1747.6	1740.3	1715.9	1684.8	1662.5	1649.9
25°	1633.1	1664.5	1693.8	1697.7	1718.8	1715.4	1710.2	1685.6	1652.7	1628.8	1614.2
25.5°	1599.9	1632.8	1663.0	1666.3	1686.0	1683.0	1679.2	1654.7	1620.1	1594.0	1576.9
26°	1566.3	1599.5	1630.8	1632.9	1652.8	1650.0	1647.6	1622.7	1587.4	1559.1	1537.7
26.5°	1533.6	1566.0	1598.0	1599.3	1619.2	1616.6	1614.3	1588.9	1553.4	1523.2	1498.4
27°	1498.3	1531.8	1562.2	1565.5	1585.5	1582.5	1580.0	1554.8	1520.0	1486.8	1459.7
27.5°	1463.6	1497.5	1525.3	1531.0	1552.8	1549.1	1544.7	1520.0	1486.4	1449.3	1422.2
28°	1427.5	1462.6	1487.0	1496.1	1519.2	1515.2	1506.7	1484.0	1451.3	1412.6	1385.0
28.5°	1391.4	1424.8	1447.1	1460.0	1485.4	1479.9	1468.9	1447.1	1415.7	1375.0	1347.5
29°	1353.4	1388.7	1406.8	1424.0	1451.1	1445.4	1429.5	1408.9	1379.3	1338.3	1312.1
29.5°	1316.3	1351.0	1365.0	1387.8	1416.1	1409.6	1389.3	1369.4	1342.1	1302.0	1276.3
30°	1276.8	1311.7	1324.3	1350.1	1379.3	1373.2	1347.3	1328.7	1304.4	1265.6	1240.5
30.5°	1238.7	1270.8	1284.0	1311.0	1342.7	1335.2	1306.3	1287.5	1265.2	1228.8	1204.2
31°	1200.5	1231.3	1245.0	1272.2	1305.7	1297.7	1266.5	1246.4	1227.0	1193.1	1167.3
31.5°	1162.8	1189.6	1206.8	1233.1	1268.8	1259.4	1227.7	1205.1	1187.4	1157.3	1130.3
32°	1124.7	1149.3	1170.0	1193.6	1231.4	1220.4	1190.4	1165.5	1149.9	1121.9	1092.7
32.5°	1087.9	1108.1	1133.1	1154.7	1195.2	1181.8	1153.1	1126.8	1109.3	1085.6	1055.6
33°	1050.9	1070.3	1097.7	1116.1	1158.9	1142.4	1118.0	1088.7	1069.8	1050.4	1017.8
33.5°	1013.8	1030.1	1061.8	1077.3	1122.0	1103.7	1082.2	1051.9	1030.1	1013.7	979.7
34°	977.2	993.7	1026.2	1040.8	1084.4	1065.9	1047.0	1015.7	992.1	977.3	944.1
34.5°	940.0	955.7	989.3	1004.5	1046.8	1028.7	1011.6	980.0	952.9	940.4	907.6
35°	896.7	919.2	952.8	969.2	1009.4	992.2	976.0	945.4	915.7	902.6	873.7
35.5°	862.3	884.1	917.5	934.8	972.1	956.3	939.9	909.5	879.4	865.7	840.5
36°	828.0	849.0	882.7	901.9	934.0	921.2	904.2	873.6	844.6	829.6	808.0
36.5°	793.6	813.9	847.9	867.6	896.7	885.6	868.6	838.1	808.6	793.8	775.2
37°	759.2	778.8	813.1	833.4	859.5	851.1	833.2	802.9	774.2	759.0	744.0
37.5°	723.7	743.7	778.3	799.1	823.0	816.9	798.3	767.2	740.8	724.3	711.9
38°	688.8	711.9	743.5	764.8	787.3	783.2	765.7	733.2	707.9	691.5	680.4
38.5°	655.0	679.2	711.4	731.0	751.5	749.2	732.7	700.1	675.2	659.3	648.4
39°	622.7	648.3	680.5	698.4	717.0	717.4	701.6	667.8	643.8	627.9	617.8
39.5°	590.5	617.0	648.8	665.7	683.1	684.0	670.6	636.9	612.5	595.9	587.0
40°	559.4	587.2	618.0	633.6	649.9	652.4	640.0	607.4	581.7	565.0	557.0
40.5°	529.8	558.5	588.0	602.2	617.8	619.2	609.3	577.6	551.3	534.9	527.4
41°	500.9	529.5	557.8	571.8	585.9	588.3	579.2	549.1	521.8	505.6	499.2
41.5°	472.5	501.3	527.4	541.9	555.7	557.0	549.4	521.2	493.4	476.9	472.1
42°	445.9	475.1	499.3	513.3	525.9	527.4	519.6	494.5	466.0	448.5	445.9
42.5°	420.1	448.4	470.8	484.7	497.2	497.4	490.1	467.4	439.5	421.8	419.3
43°	394.9	422.3	443.3	455.7	469.0	469.0	461.6	441.5	414.2	396.1	393.7
43.5°	370.2	396.0	416.2	427.8	441.1	440.4	433.8	415.7	388.7	371.3	368.0
44°	347.3	371.2	391.3	400.4	414.0	413.8	407.2	391.0	365.3	347.8	344.4
44.5°	324.7	347.2	366.3	373.7	388.1	387.0	380.9	366.1	342.3	325.1	319.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	302.9	324.3	342.5	347.9	363.3	361.7	356.0	342.6	320.4	303.2	296.8
45.5°	282.0	301.6	319.5	322.3	338.3	336.1	331.9	319.6	299.1	282.2	274.3
46°	262.7	280.4	296.7	298.4	314.7	312.3	308.4	297.5	278.2	262.4	254.3
46.5°	243.5	259.3	274.4	275.2	291.3	288.5	286.1	275.6	258.9	245.1	236.2
47°	225.6	240.3	253.1	253.3	269.8	266.0	263.8	254.9	241.6	227.8	218.3
47.5°	208.0	221.0	232.2	232.1	250.1	246.5	244.4	236.7	224.5	210.5	200.3
48°	192.2	203.6	212.6	212.3	230.4	227.0	225.1	218.4	207.3	193.2	182.3
48.5°	176.4	185.9	193.5	193.5	210.7	207.5	205.8	200.1	190.2	176.0	167.7
49°	161.9	170.2	175.5	176.1	191.0	188.0	186.5	181.9	173.0	161.5	154.3
49.5°	148.2	155.0	158.2	159.6	171.5	168.6	167.2	163.8	158.3	147.8	142.0
50°	134.7	140.6	142.1	143.8	154.5	152.4	150.9	148.5	144.3	135.1	130.4
50.5°	122.0	126.3	127.3	128.9	138.4	137.0	135.7	134.0	131.1	123.1	119.5
51°	110.4	113.8	113.8	115.2	123.8	123.1	121.6	120.4	118.3	111.9	109.3
51.5°	99.1	101.7	101.1	102.3	109.9	109.7	108.7	107.6	106.5	101.4	99.7
52°	88.8	90.6	89.6	90.7	97.2	97.4	96.4	95.8	95.1	91.4	90.4
52.5°	79.8	81.4	80.5	81.4	85.4	85.8	85.1	84.7	84.3	81.8	81.4
53°	70.8	72.3	71.4	72.0	74.6	75.3	74.8	74.3	74.2	72.6	72.7
53.5°	61.8	63.1	62.3	62.7	64.6	65.3	65.1	64.7	65.0	64.0	64.5
54°	52.9	54.0	53.2	53.4	55.8	56.6	56.6	55.8	56.3	56.0	56.7
54.5°	45.7	44.8	44.1	44.2	48.1	48.9	48.8	48.0	48.6	48.6	49.5
55°	39.2	38.5	37.9	38.0	41.6	42.3	42.2	41.5	41.8	41.8	42.8
55.5°	33.4	32.5	32.0	31.9	35.6	36.2	36.2	35.5	35.7	36.0	36.8
56°	27.6	26.7	26.2	26.1	29.7	30.1	30.1	31.6	31.2	32.0	30.9
56.5°	22.4	21.6	21.1	21.2	26.2	26.6	26.6	27.7	26.9	27.9	27.1
57°	18.1	17.5	17.1	17.4	22.8	23.2	23.1	23.9	22.5	23.9	23.4
57.5°	15.0	14.5	14.2	14.5	19.3	19.8	19.7	20.0	18.2	19.9	19.8
58°	12.7	12.3	12.1	12.4	15.9	16.4	16.3	16.1	13.8	15.9	16.1
58.5°	10.9	10.6	10.5	10.8	12.5	13.0	12.8	12.3	11.9	11.9	12.5
59°	9.6	9.3	9.2	9.5	11.0	11.4	11.3	10.7	10.4	10.4	10.7
59.5°	8.8	8.5	8.5	8.7	9.8	10.2	10.0	9.6	9.2	9.2	9.5
60°	8.0	7.7	7.7	8.0	8.8	9.2	9.0	8.5	8.2	8.2	8.4
60.5°	7.2	7.0	7.0	7.2	8.0	8.3	8.2	7.7	7.4	7.3	7.6
61°	6.4	6.2	6.2	6.4	7.2	7.5	7.4	7.0	6.7	6.6	6.8
61.5°	5.8	5.7	5.7	5.9	6.6	6.9	6.8	6.4	6.1	6.0	6.2
62°	5.3	5.2	5.2	5.4	6.1	6.3	6.2	5.8	5.6	5.5	5.7
62.5°	4.9	4.7	4.8	5.0	5.6	5.8	5.7	5.3	5.1	5.1	5.2
63°	4.5	4.4	4.4	4.6	5.2	5.4	5.3	4.9	4.7	4.6	4.8
63.5°	4.1	4.0	4.1	4.2	4.8	5.0	4.9	4.5	4.3	4.3	4.4
64°	3.8	3.7	3.7	3.9	4.4	4.6	4.5	4.2	4.0	4.0	4.1
64.5°	3.5	3.4	3.5	3.6	4.1	4.3	4.2	3.9	3.7	3.7	3.8
65°	3.3	3.2	3.2	3.4	3.8	4.0	3.9	3.6	3.5	3.4	3.5
65.5°	3.0	3.0	3.0	3.1	3.5	3.7	3.6	3.4	3.2	3.2	3.3
66°	2.8	2.7	2.8	2.9	3.3	3.5	3.4	3.1	3.0	2.9	3.0
66.5°	2.6	2.5	2.6	2.7	3.1	3.2	3.1	2.9	2.8	2.7	2.8
67°	2.4	2.4	2.4	2.5	2.8	3.0	2.9	2.7	2.6	2.5	2.6

TEST NUMBER: P1590482

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	2.2	2.2	2.2	2.3	2.7	2.8	2.7	2.5	2.4	2.4	2.4
68°	2.1	2.0	2.1	2.2	2.5	2.6	2.5	2.3	2.2	2.2	2.3
68.5°	1.9	1.9	1.9	2.0	2.3	2.4	2.3	2.2	2.1	2.1	2.1
69°	1.8	1.7	1.8	1.9	2.1	2.3	2.2	2.0	1.9	1.9	2.0
69.5°	1.6	1.6	1.6	1.7	2.0	2.1	2.0	1.9	1.8	1.8	1.8
70°	1.5	1.5	1.5	1.6	1.9	2.0	1.9	1.7	1.7	1.6	1.7
70.5°	1.4	1.4	1.4	1.5	1.7	1.8	1.7	1.6	1.5	1.5	1.6
71°	1.3	1.3	1.3	1.4	1.6	1.7	1.6	1.5	1.4	1.4	1.5
71.5°	1.2	1.2	1.2	1.3	1.5	1.6	1.5	1.4	1.3	1.3	1.4
72°	1.1	1.1	1.1	1.2	1.4	1.5	1.4	1.3	1.2	1.2	1.3
72.5°	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.2	1.1	1.1	1.2
73°	0.9	0.9	0.9	1.0	1.2	1.2	1.2	1.1	1.0	1.0	1.1
73.5°	0.9	0.8	0.9	0.9	1.1	1.1	1.1	1.0	1.0	1.0	1.0
74°	0.8	0.8	0.8	0.9	1.0	1.1	1.0	0.9	0.9	0.9	0.9
74.5°	0.7	0.7	0.7	0.8	0.9	1.0	0.9	0.9	0.8	0.8	0.8
75°	0.7	0.6	0.7	0.7	0.8	0.9	0.9	0.8	0.7	0.7	0.8
75.5°	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.7	0.7	0.7	0.7
76°	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6
76.5°	0.5	0.5	0.5	0.5	0.6	0.7	0.7	0.6	0.6	0.5	0.6
77°	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
77.5°	0.4	0.4	0.4	0.4	0.5	0.6	0.5	0.5	0.4	0.4	0.5
78°	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4
78.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
79°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3
79.5°	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.3	0.3	0.3	0.3
80°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2
80.5°	0.2	0.2	0.2	0.2	0.2	0.3	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	0.2	0.2	0.2
81.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
82°	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
82.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
83°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1
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: P1590482

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-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: P1590482

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-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°	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
123.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	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°	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
127.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2
128°	0.2	0.2	0.2	0.2	0.2	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	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	0.3
131°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
131.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
132°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
132.5°	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
133°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
133.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
134°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
134.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4

TEST NUMBER: P1590482

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-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	0.4	0.4	0.4	0.4	0.4	0.4	0.4
135.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
136°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
136.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
137°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5
137.5°	0.4	0.4	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
138°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
138.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
139°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
139.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6
140°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
140.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
141°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
141.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
142°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.7	0.7	0.7
142.5°	0.5	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
143°	0.5	0.5	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
143.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
144°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.8	0.8
144.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.8	0.8	0.8	0.8
145°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
146°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
146.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.9	0.9
147°	0.5	0.5	0.5	0.5	0.8	0.8	0.9	0.9	0.9	0.9	0.9
147.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
148°	0.6	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
148.5°	0.6	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
149°	0.6	0.6	0.5	0.5	0.9	0.9	0.9	0.9	0.9	1.0	1.0
149.5°	0.6	0.6	0.5	0.5	0.9	1.0	0.9	1.0	1.0	1.0	1.0
150°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
151°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
151.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.1	1.1
152°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.1	1.1	1.1	1.1
152.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
153°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
153.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
154°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
154.5°	0.7	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.2	1.2
155°	0.7	0.6	0.6	0.6	1.1	1.1	1.1	1.2	1.2	1.2	1.2
155.5°	0.7	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
156°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
156.5°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
157°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2

TEST NUMBER: P1590482

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.7	0.7	0.7	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
158°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.2	1.3	1.3
158.5°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.3	1.3	1.3	1.3
159°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
159.5°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
160°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
160.5°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
161°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
161.5°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
162°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.4	1.3
162.5°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.4	1.4	1.4
163°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.4	1.4	1.4
163.5°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.4	1.4	1.4	1.4
164°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.4	1.4	1.4	1.4
164.5°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.4	1.4	1.4	1.4
165°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.4	1.4	1.4	1.4
165.5°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.4	1.4	1.4	1.4
166°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.4	1.3	1.4
166.5°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.4	1.3	1.3
167°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
167.5°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
168°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
168.5°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
169°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
169.5°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
170°	0.7	0.7	0.7	0.7	1.2	1.3	1.3	1.3	1.3	1.3	1.3
170.5°	0.7	0.7	0.7	0.7	1.2	1.2	1.3	1.3	1.3	1.3	1.3
171°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.3	1.3	1.2	1.2
171.5°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2
172°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2
172.5°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2
173°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2
173.5°	0.7	0.7	0.7	0.7	1.1	1.2	1.2	1.2	1.2	1.2	1.2
174°	0.7	0.7	0.7	0.7	1.1	1.1	1.2	1.2	1.2	1.1	1.1
174.5°	0.7	0.7	0.7	0.7	1.1	1.1	1.2	1.2	1.1	1.1	1.1
175°	0.7	0.7	0.7	0.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1
175.5°	0.7	0.7	0.7	0.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1
176°	0.7	0.7	0.7	0.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1
176.5°	0.8	0.7	0.7	0.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1
177°	0.8	0.8	0.8	0.8	1.0	1.0	1.1	1.1	1.1	1.1	1.1
177.5°	0.8	0.8	0.8	0.8	1.0	1.0	1.1	1.1	1.1	1.0	1.0
178°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
178.5°	0.9	0.9	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
179°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
179.5°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P1590482

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TEST NUMBER: P1590482

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2529.6	2529.6	2529.6	2529.6	2529.6	2529.6
0.5°	2529.9	2528.1	2529.0	2529.9	2529.6	2530.1
1°	2529.2	2527.4	2528.3	2528.8	2528.5	2529.0
1.5°	2528.1	2526.3	2527.4	2527.2	2526.8	2527.6
2°	2526.8	2525.0	2525.4	2524.5	2524.3	2525.9
2.5°	2524.3	2523.4	2523.4	2521.9	2521.6	2523.6
3°	2522.1	2521.9	2521.2	2518.1	2517.2	2521.2
3.5°	2518.8	2519.2	2517.9	2513.7	2512.1	2517.2
4°	2515.0	2515.9	2514.1	2508.3	2506.5	2512.8
4.5°	2509.9	2512.1	2509.7	2502.5	2500.3	2507.2
5°	2504.5	2507.4	2504.8	2495.9	2493.2	2501.2
5.5°	2499.0	2502.3	2499.2	2489.2	2485.9	2494.3
6°	2492.5	2496.3	2493.2	2482.3	2477.9	2487.2
6.5°	2485.4	2489.9	2486.3	2475.2	2470.6	2479.0
7°	2477.9	2481.7	2479.0	2467.7	2462.1	2470.3
7.5°	2469.7	2473.0	2470.1	2460.1	2454.1	2460.8
8°	2460.3	2462.8	2460.6	2450.8	2445.2	2451.2
8.5°	2450.6	2451.2	2449.4	2441.7	2435.9	2440.1
9°	2438.8	2437.5	2437.0	2430.6	2425.5	2428.3
9.5°	2425.9	2422.3	2422.6	2418.6	2413.9	2415.2
10°	2410.8	2404.4	2405.9	2403.9	2401.2	2401.7
10.5°	2393.5	2384.6	2386.6	2388.4	2387.0	2386.6
11°	2374.1	2362.1	2365.3	2369.7	2370.8	2369.7
11.5°	2351.3	2337.0	2341.0	2348.6	2352.4	2351.3
12°	2327.0	2310.2	2315.3	2324.6	2330.8	2330.6
12.5°	2301.1	2283.5	2288.4	2299.9	2307.7	2309.3
13°	2274.6	2255.3	2260.4	2273.5	2284.4	2286.8
13.5°	2247.3	2228.0	2232.4	2246.4	2259.5	2263.5
14°	2219.4	2198.8	2204.0	2218.7	2233.3	2239.3
14.5°	2190.9	2170.2	2175.4	2191.3	2206.9	2214.9
15°	2162.5	2140.7	2146.2	2162.5	2180.0	2189.7
15.5°	2134.7	2112.6	2118.1	2135.5	2152.4	2163.8
16°	2107.1	2084.7	2090.8	2107.5	2124.9	2138.2
16.5°	2079.3	2058.1	2063.6	2080.6	2099.0	2112.6
17°	2052.6	2030.4	2036.0	2053.9	2071.7	2086.4
17.5°	2026.2	2003.2	2009.9	2026.8	2045.4	2059.5
18°	1999.8	1975.9	1982.5	1999.9	2018.0	2032.7
18.5°	1972.6	1948.9	1955.6	1973.7	1991.3	2006.1
19°	1947.0	1922.2	1929.8	1947.2	1964.1	1979.6
19.5°	1922.0	1894.9	1903.6	1921.3	1937.9	1953.4
20°	1897.1	1869.4	1878.4	1895.2	1910.9	1926.7
20.5°	1872.1	1842.7	1852.2	1870.0	1884.7	1900.3
21°	1847.2	1817.4	1826.4	1843.4	1858.0	1873.6
21.5°	1822.2	1790.9	1800.7	1817.3	1831.0	1847.2
22°	1796.5	1765.1	1774.9	1790.7	1804.7	1819.4

TEST NUMBER: P1590482

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1770.0	1738.3	1747.7	1764.3	1776.6	1791.5
23°	1741.0	1709.6	1718.6	1735.6	1746.9	1761.2
23.5°	1709.7	1678.6	1688.1	1705.2	1717.1	1731.1
24°	1677.9	1645.2	1655.7	1672.6	1684.8	1699.2
24.5°	1645.0	1608.6	1622.0	1637.8	1650.7	1666.8
25°	1610.5	1574.0	1586.7	1601.8	1615.0	1633.1
25.5°	1574.3	1538.6	1551.0	1564.3	1579.4	1599.9
26°	1538.1	1503.7	1514.8	1525.7	1542.6	1566.3
26.5°	1500.5	1467.1	1477.9	1487.0	1504.9	1533.6
27°	1461.7	1432.6	1440.7	1447.6	1465.6	1498.3
27.5°	1422.6	1397.2	1402.2	1408.3	1427.2	1463.6
28°	1382.4	1360.7	1363.7	1369.6	1390.7	1427.5
28.5°	1342.8	1324.1	1326.0	1331.1	1354.1	1391.4
29°	1304.4	1286.9	1288.2	1293.7	1318.3	1353.4
29.5°	1266.6	1248.4	1250.2	1256.8	1283.0	1316.3
30°	1228.9	1209.5	1211.2	1220.5	1248.3	1276.8
30.5°	1191.1	1169.1	1172.5	1184.0	1212.5	1238.7
31°	1154.3	1130.6	1133.8	1147.4	1177.0	1200.5
31.5°	1117.4	1091.0	1095.7	1111.0	1140.7	1162.8
32°	1081.2	1052.6	1058.2	1074.2	1103.2	1124.7
32.5°	1045.2	1014.9	1021.0	1037.6	1066.0	1087.9
33°	1009.0	977.8	985.0	1000.8	1028.3	1050.9
33.5°	972.4	939.9	949.7	963.2	990.1	1013.8
34°	936.7	898.3	916.4	927.5	951.9	977.2
34.5°	900.9	864.8	881.7	893.4	915.2	940.0
35°	866.4	831.4	847.1	859.4	880.5	896.7
35.5°	831.5	797.9	812.4	825.4	845.8	862.3
36°	798.4	764.5	777.7	791.4	811.0	828.0
36.5°	764.9	732.1	743.1	757.3	776.3	793.6
37°	732.0	700.2	710.2	725.3	741.6	759.2
37.5°	699.5	669.1	677.7	693.6	709.3	723.7
38°	667.9	639.4	645.7	663.1	677.4	688.8
38.5°	637.2	610.1	614.6	632.0	645.1	655.0
39°	607.3	581.9	586.4	601.9	614.1	622.7
39.5°	577.6	553.1	557.7	571.2	582.8	590.5
40°	548.1	525.1	529.6	541.8	551.8	559.4
40.5°	520.1	498.6	502.5	512.5	520.7	529.8
41°	492.7	472.9	476.7	484.0	491.6	500.9
41.5°	466.2	448.1	451.2	456.7	462.3	472.5
42°	440.3	424.1	426.4	430.3	434.9	445.9
42.5°	414.8	401.1	402.5	403.5	407.8	420.1
43°	390.6	378.9	379.1	379.5	382.6	394.9
43.5°	367.2	357.0	356.6	354.5	357.7	370.2
44°	344.9	336.0	335.1	331.0	334.0	347.3
44.5°	323.3	315.6	314.5	307.8	310.9	324.7

TEST NUMBER: P1590482

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	302.4	296.1	294.2	286.2	288.7	302.9
45.5°	282.5	277.3	275.3	265.1	267.9	282.0
46°	263.3	259.4	257.1	245.2	248.0	262.7
46.5°	245.3	241.8	239.5	226.3	228.8	243.5
47°	228.8	225.0	222.6	209.0	210.8	225.6
47.5°	212.3	208.9	206.3	192.7	194.2	208.0
48°	195.9	193.3	190.9	177.5	178.8	192.2
48.5°	179.4	178.9	176.2	163.6	164.6	176.4
49°	164.9	164.8	162.2	150.8	150.7	161.9
49.5°	151.1	151.4	148.9	139.0	138.9	148.2
50°	138.6	138.5	136.0	127.7	127.3	134.7
50.5°	126.4	126.2	124.1	117.1	116.6	122.0
51°	115.1	114.5	112.8	107.1	106.1	110.4
51.5°	104.4	103.3	102.1	97.6	96.7	99.1
52°	94.3	93.0	91.9	88.3	88.3	88.8
52.5°	84.5	84.1	83.4	80.0	79.8	79.8
53°	75.3	75.4	74.8	71.8	71.3	70.8
53.5°	66.9	66.6	66.3	63.6	62.8	61.8
54°	58.6	57.8	57.8	55.4	54.3	52.9
54.5°	51.0	49.0	49.2	48.4	47.0	45.7
55°	44.2	42.3	42.7	42.0	40.5	39.2
55.5°	38.2	36.5	36.8	36.1	35.0	33.4
56°	32.3	30.5	30.9	30.4	29.2	27.6
56.5°	28.4	25.1	25.6	25.0	23.9	22.4
57°	24.6	20.6	21.0	20.4	19.4	18.1
57.5°	20.8	17.2	17.6	17.0	16.1	15.0
58°	17.0	14.7	15.0	14.5	13.6	12.7
58.5°	13.1	12.7	13.1	12.6	11.8	10.9
59°	11.4	11.2	11.5	11.1	10.3	9.6
59.5°	10.1	9.9	10.2	9.8	9.1	8.8
60°	9.0	9.2	9.2	9.1	8.4	8.0
60.5°	8.1	8.4	8.5	8.4	7.7	7.2
61°	7.3	7.7	7.8	7.7	6.9	6.4
61.5°	6.7	7.0	7.2	6.9	6.2	5.8
62°	6.1	6.3	6.5	6.2	5.7	5.3
62.5°	5.6	5.8	6.0	5.7	5.2	4.9
63°	5.1	5.3	5.5	5.3	4.8	4.5
63.5°	4.7	4.9	5.1	4.9	4.4	4.1
64°	4.4	4.6	4.7	4.5	4.1	3.8
64.5°	4.1	4.2	4.4	4.2	3.8	3.5
65°	3.8	3.9	4.1	3.9	3.5	3.3
65.5°	3.5	3.6	3.8	3.6	3.2	3.0
66°	3.2	3.4	3.5	3.3	3.0	2.8
66.5°	3.0	3.2	3.3	3.1	2.8	2.6
67°	2.8	2.9	3.1	2.9	2.6	2.4

TEST NUMBER: P1590482

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	2.6	2.7	2.8	2.7	2.4	2.2
68°	2.4	2.5	2.6	2.5	2.2	2.1
68.5°	2.3	2.4	2.5	2.3	2.1	1.9
69°	2.1	2.2	2.3	2.2	1.9	1.8
69.5°	2.0	2.0	2.1	2.0	1.8	1.6
70°	1.8	1.9	2.0	1.9	1.7	1.5
70.5°	1.7	1.8	1.8	1.7	1.5	1.4
71°	1.6	1.6	1.7	1.6	1.4	1.3
71.5°	1.5	1.5	1.6	1.5	1.3	1.2
72°	1.3	1.4	1.5	1.4	1.2	1.1
72.5°	1.2	1.3	1.4	1.3	1.1	1.0
73°	1.2	1.2	1.3	1.2	1.0	0.9
73.5°	1.1	1.1	1.2	1.1	1.0	0.9
74°	1.0	1.0	1.1	1.0	0.9	0.8
74.5°	0.9	0.9	1.0	0.9	0.8	0.7
75°	0.8	0.9	0.9	0.8	0.7	0.7
75.5°	0.8	0.8	0.8	0.8	0.7	0.6
76°	0.7	0.7	0.8	0.7	0.6	0.5
76.5°	0.6	0.7	0.7	0.6	0.5	0.5
77°	0.6	0.6	0.6	0.6	0.5	0.4
77.5°	0.5	0.5	0.6	0.5	0.4	0.4
78°	0.5	0.5	0.5	0.5	0.4	0.3
78.5°	0.4	0.4	0.5	0.4	0.4	0.3
79°	0.4	0.4	0.4	0.4	0.3	0.3
79.5°	0.3	0.3	0.4	0.3	0.3	0.2
80°	0.3	0.3	0.3	0.3	0.2	0.2
80.5°	0.2	0.3	0.3	0.2	0.2	0.2
81°	0.2	0.2	0.2	0.2	0.2	0.1
81.5°	0.2	0.2	0.2	0.2	0.1	0.1
82°	0.1	0.1	0.2	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	0.1	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: P1590482

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-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: P1590482

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-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	0.1	0.1	0.0	0.0	0.0
120.5°	0.0	0.1	0.1	0.1	0.0	0.0
121°	0.0	0.1	0.1	0.1	0.1	0.1
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	0.2	0.1	0.1	0.1	0.1
126.5°	0.1	0.2	0.2	0.2	0.1	0.1
127°	0.2	0.2	0.2	0.2	0.2	0.2
127.5°	0.2	0.2	0.2	0.2	0.2	0.2
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°	0.3	0.2	0.2	0.2	0.2	0.2
131°	0.3	0.2	0.2	0.2	0.2	0.2
131.5°	0.3	0.3	0.3	0.2	0.2	0.2
132°	0.3	0.3	0.3	0.3	0.3	0.2
132.5°	0.3	0.3	0.3	0.3	0.3	0.3
133°	0.3	0.3	0.3	0.3	0.3	0.3
133.5°	0.3	0.3	0.3	0.3	0.3	0.3
134°	0.4	0.3	0.3	0.3	0.3	0.3
134.5°	0.4	0.3	0.3	0.3	0.3	0.3

TEST NUMBER: P1590482

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-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°	0.5	0.4	0.3	0.3	0.3	0.3
137°	0.5	0.4	0.4	0.4	0.4	0.3
137.5°	0.5	0.4	0.4	0.4	0.4	0.4
138°	0.5	0.4	0.4	0.4	0.4	0.4
138.5°	0.5	0.4	0.4	0.4	0.4	0.4
139°	0.5	0.4	0.4	0.4	0.4	0.4
139.5°	0.6	0.4	0.4	0.4	0.4	0.4
140°	0.6	0.4	0.4	0.4	0.4	0.4
140.5°	0.6	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°	0.7	0.4	0.4	0.4	0.4	0.4
142°	0.7	0.5	0.5	0.5	0.4	0.4
142.5°	0.7	0.5	0.5	0.5	0.5	0.5
143°	0.7	0.5	0.5	0.5	0.5	0.5
143.5°	0.7	0.5	0.5	0.5	0.5	0.5
144°	0.8	0.5	0.5	0.5	0.5	0.5
144.5°	0.8	0.5	0.5	0.5	0.5	0.5
145°	0.8	0.5	0.5	0.5	0.5	0.5
145.5°	0.8	0.5	0.5	0.5	0.5	0.5
146°	0.8	0.5	0.5	0.5	0.5	0.5
146.5°	0.9	0.5	0.5	0.5	0.5	0.5
147°	0.9	0.5	0.5	0.5	0.5	0.5
147.5°	0.9	0.5	0.5	0.6	0.5	0.5
148°	0.9	0.6	0.6	0.6	0.6	0.6
148.5°	0.9	0.6	0.6	0.6	0.6	0.6
149°	1.0	0.6	0.6	0.6	0.6	0.6
149.5°	1.0	0.6	0.6	0.6	0.6	0.6
150°	1.0	0.6	0.6	0.6	0.6	0.6
150.5°	1.0	0.6	0.6	0.6	0.6	0.6
151°	1.0	0.6	0.6	0.6	0.6	0.6
151.5°	1.1	0.6	0.6	0.6	0.6	0.6
152°	1.1	0.6	0.6	0.6	0.6	0.6
152.5°	1.1	0.6	0.6	0.6	0.6	0.6
153°	1.1	0.6	0.6	0.6	0.6	0.6
153.5°	1.1	0.6	0.6	0.6	0.6	0.6
154°	1.1	0.6	0.6	0.6	0.6	0.6
154.5°	1.2	0.6	0.6	0.7	0.7	0.7
155°	1.2	0.6	0.6	0.7	0.7	0.7
155.5°	1.2	0.6	0.7	0.7	0.7	0.7
156°	1.2	0.6	0.7	0.7	0.7	0.7
156.5°	1.2	0.7	0.7	0.7	0.7	0.7
157°	1.2	0.7	0.7	0.7	0.7	0.7

TEST NUMBER: P1590482

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.2	0.7	0.7	0.7	0.7	0.7
158°	1.2	0.7	0.7	0.7	0.7	0.7
158.5°	1.3	0.7	0.7	0.7	0.7	0.7
159°	1.3	0.7	0.7	0.7	0.7	0.7
159.5°	1.3	0.7	0.7	0.7	0.7	0.7
160°	1.3	0.7	0.7	0.7	0.7	0.7
160.5°	1.3	0.7	0.7	0.7	0.7	0.7
161°	1.3	0.7	0.7	0.7	0.7	0.7
161.5°	1.3	0.7	0.7	0.7	0.7	0.7
162°	1.3	0.7	0.7	0.7	0.7	0.7
162.5°	1.3	0.7	0.7	0.7	0.7	0.7
163°	1.3	0.7	0.7	0.7	0.7	0.7
163.5°	1.4	0.7	0.7	0.7	0.7	0.7
164°	1.4	0.7	0.7	0.7	0.7	0.7
164.5°	1.4	0.7	0.7	0.7	0.7	0.7
165°	1.4	0.7	0.7	0.7	0.7	0.7
165.5°	1.4	0.7	0.7	0.7	0.7	0.7
166°	1.3	0.7	0.7	0.7	0.7	0.7
166.5°	1.3	0.7	0.7	0.7	0.7	0.7
167°	1.3	0.7	0.7	0.7	0.7	0.7
167.5°	1.3	0.7	0.7	0.7	0.7	0.7
168°	1.3	0.7	0.7	0.7	0.7	0.7
168.5°	1.3	0.7	0.7	0.7	0.7	0.7
169°	1.3	0.7	0.7	0.7	0.7	0.7
169.5°	1.3	0.7	0.7	0.7	0.7	0.7
170°	1.3	0.7	0.7	0.7	0.7	0.7
170.5°	1.2	0.7	0.7	0.7	0.7	0.7
171°	1.2	0.7	0.7	0.7	0.7	0.7
171.5°	1.2	0.7	0.7	0.7	0.7	0.7
172°	1.2	0.7	0.7	0.7	0.7	0.7
172.5°	1.2	0.7	0.7	0.7	0.7	0.7
173°	1.2	0.7	0.7	0.7	0.7	0.7
173.5°	1.2	0.7	0.7	0.7	0.7	0.7
174°	1.1	0.7	0.7	0.7	0.7	0.7
174.5°	1.1	0.7	0.7	0.7	0.7	0.7
175°	1.1	0.7	0.7	0.7	0.7	0.7
175.5°	1.1	0.7	0.7	0.7	0.7	0.7
176°	1.1	0.7	0.7	0.8	0.7	0.7
176.5°	1.1	0.8	0.8	0.8	0.8	0.8
177°	1.0	0.8	0.8	0.8	0.8	0.8
177.5°	1.0	0.8	0.8	0.8	0.8	0.8
178°	1.0	0.8	0.9	0.9	0.9	0.8
178.5°	1.0	0.9	0.9	0.9	0.9	0.9
179°	1.0	0.9	0.9	0.9	0.9	0.9
179.5°	1.0	0.9	0.9	1.0	0.9	0.9



TEST NUMBER: P1590482

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	1.0	1.0	1.0	1.0	1.0	1.0

TEST NUMBER: P1590482

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-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	5.5	6.5	5.8	6.8	7.2	6.5	7.5	6.8	7.8	8.1
	3H	5.4	6.3	5.8	6.7	7.0	6.4	7.3	6.8	7.6	8.0
	4H	5.3	6.2	5.7	6.5	6.9	6.3	7.2	6.7	7.5	7.9
	6H	5.2	6.0	5.7	6.4	6.8	6.2	7.0	6.7	7.4	7.8
	8H	5.2	5.9	5.6	6.3	6.7	6.2	6.9	6.6	7.3	7.7
	12H	5.1	5.8	5.6	6.2	6.6	6.1	6.8	6.6	7.2	7.6
4H	2H	5.3	6.1	5.7	6.5	6.9	6.3	7.1	6.7	7.5	7.9
	3H	5.3	5.9	5.7	6.3	6.8	6.2	6.9	6.6	7.3	7.7
	4H	5.2	5.8	5.6	6.2	6.7	6.1	6.7	6.6	7.2	7.6
	6H	5.1	5.6	5.5	6.0	6.5	6.0	6.6	6.5	7.0	7.5
	8H	5.0	5.5	5.5	5.9	6.4	6.0	6.5	6.5	6.9	7.4
	12H	4.9	5.4	5.4	5.8	6.3	5.9	6.3	6.4	6.8	7.3
8H	4H	5.0	5.5	5.5	5.9	6.4	6.0	6.5	6.5	6.9	7.4
	6H	4.9	5.3	5.4	5.8	6.3	5.9	6.3	6.4	6.8	7.2
	8H	4.8	5.2	5.4	5.7	6.2	5.8	6.1	6.3	6.7	7.2
	12H	4.8	5.1	5.3	5.6	6.2	5.7	6.0	6.3	6.5	7.1
12H	4H	5.0	5.4	5.4	5.9	6.3	5.9	6.3	6.4	6.8	7.3
	6H	4.8	5.2	5.4	5.7	6.2	5.8	6.1	6.3	6.6	7.2
	8H	4.8	5.1	5.3	5.6	6.2	5.7	6.0	6.3	6.5	7.1

(END OF REPORT)