

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: P1590483

Luminaire Tested: HCDLS1525CSD4TRMW-HI-3000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590483
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-3000K
Description: 4" Selectable Round Trim+Matte White (paintable) 2500 Lumens 3000K

Light Source:
Ballast/Driver: -

Summary

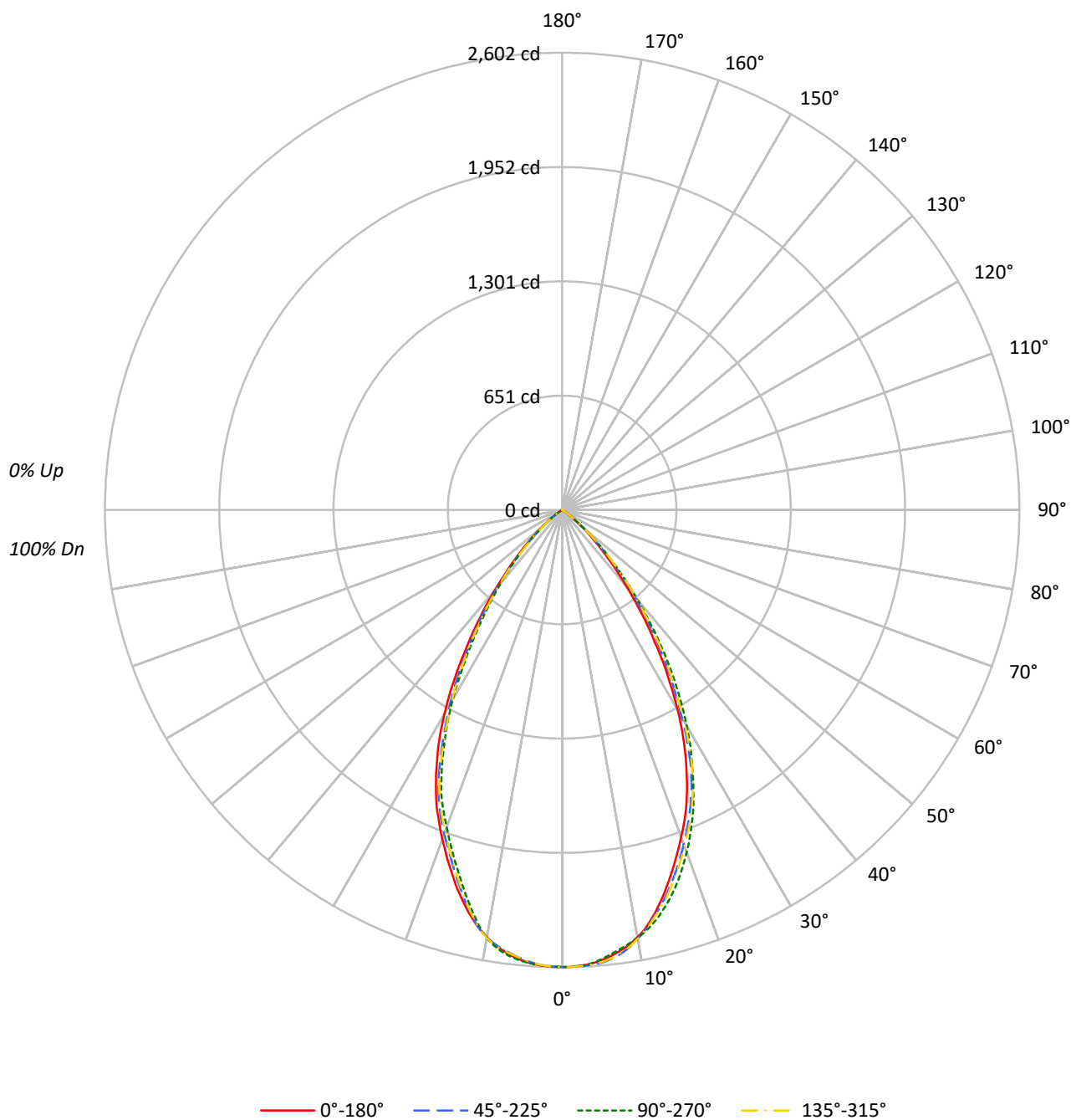
Lumens per Lamp: N/A
Luminaire Lumens: 2543.5 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	320822	320822	320822	320822
5°	318420	317751	318791	319212
10°	309288	309689	309226	309627
15°	287509	295593	288493	281073
20°	260029	271974	261710	252298
25°	228520	240524	231269	220259
30°	186979	201990	191023	177123
35°	138832	156284	141768	128713
40°	92600	107591	96320	86933
45°	54320	65170	57460	53116
50°	26577	30492	28477	27325
55°	8666	9204	9225	9355
60°	2023	2245	2097	2319
65°	963	1138	1051	1167
70°	577	685	613	721
75°	334	429	381	429
80°	142	213	142	213
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 65170 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.6	9.5
10°-20°	629.8	24.8
20°-30°	769.5	30.3
30°-40°	586.2	23.0
40°-50°	261.4	10.3
50°-60°	47.3	1.9
60°-70°	4.1	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°	1641.9	64.6
0°-40°	2228.1	87.6
0°-60°	2536.9	99.7
0°-90°	2541.9	99.9
90°-120°	0.0	0.0
90°-150°	0.8	0.0
90°-180°	2.0	0.1
0°-180°	2543.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2601	2601	2601	2601	2601	
5°	2572	2566	2575	2578	2572	242
15°	2252	2315	2259	2201	2252	628
25°	1679	1767	1699	1618	1679	763
35°	922	1038	942	855	922	576
45°	311	374	329	304	311	248
55°	40	43	43	44	40	45
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°	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0
0.5°	2601.4	2600.5	2600.7	2601.4	2600.5	2600.7	2601.9	2601.4	2601.4	2600.5	2600.5
1°	2600.3	2600.3	2600.7	2601.4	2600.5	2600.7	2601.2	2601.2	2600.5	2599.6	2599.6
1.5°	2598.9	2599.4	2600.3	2600.5	2599.6	2600.3	2600.5	2600.3	2599.6	2598.2	2598.2
2°	2597.1	2598.0	2599.6	2599.4	2598.0	2598.7	2599.6	2599.4	2597.8	2595.7	2596.2
2.5°	2594.8	2597.1	2598.5	2597.3	2595.7	2596.4	2598.7	2598.0	2595.5	2593.0	2593.4
3°	2592.3	2595.7	2596.9	2594.6	2592.3	2593.7	2596.4	2596.4	2593.0	2589.1	2589.5
3.5°	2588.2	2594.1	2595.0	2591.1	2587.7	2590.0	2593.9	2594.1	2590.0	2584.3	2584.8
4°	2583.6	2591.8	2593.2	2586.6	2581.6	2585.0	2591.4	2591.8	2585.7	2578.4	2579.0
4.5°	2577.9	2588.6	2590.2	2580.9	2574.2	2578.8	2587.5	2588.6	2580.9	2571.5	2572.6
5°	2571.7	2584.8	2585.7	2573.8	2566.3	2571.3	2582.7	2585.0	2574.7	2564.0	2565.6
5.5°	2564.7	2579.5	2580.6	2566.5	2557.6	2563.5	2577.0	2580.0	2568.3	2555.7	2558.3
6°	2557.3	2573.1	2574.5	2558.0	2548.4	2554.8	2570.6	2574.0	2560.5	2547.3	2550.3
6.5°	2548.9	2565.8	2567.4	2549.6	2539.1	2545.9	2563.1	2566.9	2551.9	2538.6	2542.3
7°	2540.0	2556.9	2558.5	2540.4	2529.9	2536.8	2554.4	2558.5	2542.5	2529.2	2534.0
7.5°	2530.2	2546.8	2548.4	2530.6	2520.8	2527.0	2544.8	2548.7	2533.1	2519.9	2525.1
8°	2520.3	2535.9	2537.0	2519.9	2511.4	2516.9	2533.8	2537.0	2521.9	2510.3	2516.0
8.5°	2508.9	2523.3	2524.5	2508.7	2502.1	2507.1	2521.5	2524.9	2510.1	2499.6	2505.9
9°	2496.8	2509.4	2510.3	2497.0	2492.5	2495.9	2507.8	2510.7	2497.5	2488.6	2495.0
9.5°	2483.3	2494.1	2495.2	2484.5	2482.9	2484.3	2493.4	2495.2	2484.3	2476.5	2483.1
10°	2469.4	2477.9	2478.8	2471.0	2472.6	2471.7	2477.6	2478.8	2468.9	2463.7	2469.6
10.5°	2453.9	2460.3	2461.2	2456.6	2461.4	2458.9	2461.2	2460.7	2452.7	2448.4	2453.6
11°	2436.5	2441.8	2442.7	2441.3	2449.1	2444.7	2443.6	2442.7	2435.8	2432.4	2436.1
11.5°	2417.6	2421.7	2423.9	2425.3	2435.8	2430.1	2425.5	2423.5	2417.6	2414.6	2416.4
12°	2396.3	2400.9	2404.3	2407.5	2421.9	2414.4	2407.3	2403.6	2398.1	2393.8	2393.6
12.5°	2374.4	2379.4	2383.3	2390.4	2405.9	2397.0	2388.1	2383.1	2376.2	2371.4	2368.0
13°	2351.3	2357.7	2362.7	2371.6	2389.9	2379.9	2368.2	2361.1	2355.4	2348.1	2343.1
13.5°	2327.3	2334.6	2341.5	2352.9	2372.3	2362.3	2347.9	2339.9	2332.4	2323.4	2316.8
14°	2302.4	2311.1	2320.0	2332.6	2353.6	2342.9	2327.1	2317.0	2309.1	2298.1	2289.4
14.5°	2277.4	2287.4	2298.1	2312.5	2334.4	2323.2	2305.2	2294.4	2283.9	2271.8	2261.8
15°	2251.5	2263.2	2275.1	2291.2	2314.8	2302.2	2284.2	2271.2	2259.2	2245.2	2233.2
15.5°	2224.8	2238.3	2252.1	2269.1	2294.2	2281.0	2261.1	2247.3	2234.1	2218.4	2204.7
16°	2198.5	2212.8	2228.2	2245.4	2272.2	2258.6	2238.0	2222.5	2208.0	2190.4	2176.6
16.5°	2172.2	2187.8	2204.1	2222.5	2249.9	2235.6	2213.5	2197.4	2181.7	2162.9	2148.8
17°	2145.2	2162.3	2179.5	2198.6	2226.7	2211.8	2189.0	2171.8	2154.9	2135.5	2121.0
17.5°	2117.6	2136.3	2153.8	2174.0	2202.8	2187.5	2164.3	2145.3	2128.0	2108.0	2093.2
18°	2090.0	2109.6	2127.9	2148.3	2177.4	2163.0	2138.4	2119.2	2101.5	2080.8	2065.7
18.5°	2062.7	2082.6	2102.1	2122.6	2152.1	2137.2	2112.7	2093.4	2074.6	2053.4	2038.8
19°	2035.5	2055.7	2076.7	2096.7	2125.5	2111.3	2087.3	2067.0	2046.8	2026.8	2011.7
19.5°	2008.5	2029.0	2050.6	2070.4	2099.6	2085.1	2061.7	2040.0	2020.1	2000.3	1987.6
20°	1981.0	2001.7	2024.4	2043.8	2072.0	2059.1	2036.0	2014.3	1993.8	1973.8	1961.6
20.5°	1953.8	1975.4	1997.9	2017.2	2045.1	2032.5	2009.5	1988.9	1966.2	1947.3	1935.6
21°	1926.5	1947.7	1971.0	1989.6	2017.4	2004.7	1983.3	1962.4	1938.6	1920.7	1909.6
21.5°	1899.3	1920.6	1944.5	1961.8	1987.9	1976.0	1957.0	1936.0	1911.0	1894.2	1883.6
22°	1870.7	1892.3	1916.6	1932.6	1958.4	1947.3	1930.8	1909.5	1883.4	1867.7	1855.0

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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°	1842.0	1865.0	1888.8	1904.6	1928.9	1918.6	1904.6	1883.0	1858.2	1838.4	1826.7
23°	1810.9	1835.4	1860.7	1873.2	1899.3	1889.9	1878.3	1853.7	1828.1	1807.1	1797.1
23.5°	1779.9	1806.2	1832.1	1843.8	1869.8	1861.2	1848.5	1824.8	1797.0	1775.7	1765.7
24°	1747.1	1775.8	1801.9	1811.1	1835.4	1829.0	1819.4	1795.1	1764.8	1743.7	1731.8
24.5°	1713.8	1744.1	1772.7	1779.7	1802.0	1796.9	1789.4	1764.3	1732.3	1709.4	1696.4
25°	1679.1	1711.4	1741.6	1745.6	1767.3	1763.8	1758.5	1733.1	1699.3	1674.7	1659.7
25.5°	1645.1	1678.8	1709.9	1713.3	1733.5	1730.4	1726.5	1701.4	1665.8	1638.9	1621.4
26°	1610.4	1644.6	1676.8	1678.9	1699.4	1696.6	1694.0	1668.4	1632.1	1603.0	1581.0
26.5°	1576.8	1610.2	1643.0	1644.3	1664.9	1662.1	1659.9	1633.7	1597.2	1566.2	1540.6
27°	1540.5	1575.0	1606.3	1609.6	1630.2	1627.1	1624.5	1598.6	1562.8	1528.8	1500.9
27.5°	1504.8	1539.7	1568.3	1574.2	1596.6	1592.8	1588.3	1562.9	1528.3	1490.2	1462.3
28°	1467.8	1503.8	1528.9	1538.2	1562.1	1558.0	1549.2	1525.9	1492.2	1452.4	1424.0
28.5°	1430.6	1465.0	1487.9	1501.1	1527.3	1521.7	1510.4	1487.9	1455.6	1413.8	1385.5
29°	1391.6	1427.9	1446.4	1464.2	1492.1	1486.2	1469.8	1448.6	1418.2	1376.0	1349.1
29.5°	1353.4	1389.0	1403.5	1426.9	1456.1	1449.3	1428.5	1408.0	1379.9	1338.7	1312.3
30°	1312.8	1348.7	1361.6	1388.2	1418.2	1412.0	1385.3	1366.1	1341.2	1301.3	1275.5
30.5°	1273.6	1306.7	1320.2	1347.9	1380.6	1372.8	1343.1	1323.8	1300.9	1263.5	1238.2
31°	1234.4	1266.0	1280.1	1308.1	1342.5	1334.3	1302.2	1281.5	1261.6	1226.8	1200.2
31.5°	1195.6	1223.1	1240.8	1267.9	1304.6	1294.9	1262.3	1239.1	1220.9	1190.0	1162.2
32°	1156.4	1181.7	1203.0	1227.3	1266.1	1254.8	1223.9	1198.3	1182.4	1153.5	1123.6
32.5°	1118.6	1139.3	1165.0	1187.2	1228.9	1215.2	1185.6	1158.6	1140.6	1116.2	1085.3
33°	1080.6	1100.5	1128.7	1147.5	1191.5	1174.7	1149.5	1119.4	1099.9	1080.1	1046.5
33.5°	1042.4	1059.2	1091.7	1107.7	1153.6	1134.8	1112.7	1081.5	1059.1	1042.3	1007.4
34°	1004.7	1021.7	1055.1	1070.1	1115.0	1096.0	1076.5	1044.3	1020.1	1004.9	970.7
34.5°	966.5	982.6	1017.2	1032.8	1076.4	1057.7	1040.1	1007.6	979.8	966.9	933.2
35°	922.0	945.1	979.7	996.6	1037.9	1020.2	1003.5	972.1	941.5	928.1	898.3
35.5°	886.6	909.0	943.3	961.2	999.5	983.3	966.4	935.2	904.2	890.1	864.2
36°	851.3	873.0	907.6	927.3	960.3	947.2	929.7	898.2	868.5	853.0	830.8
36.5°	816.0	836.9	871.8	892.1	922.0	910.5	893.1	861.7	831.4	816.2	797.1
37°	780.7	800.8	836.0	856.9	883.7	875.1	856.7	825.6	796.1	780.4	764.9
37.5°	744.1	764.7	800.2	821.6	846.2	840.0	820.9	788.8	761.7	744.8	732.0
38°	708.2	731.9	764.5	786.4	809.5	805.3	787.3	753.9	727.8	711.0	699.6
38.5°	673.5	698.4	731.5	751.6	772.6	770.4	753.4	719.9	694.2	677.9	666.7
39°	640.2	666.6	699.7	718.1	737.2	737.6	721.4	686.6	661.9	645.6	635.2
39.5°	607.2	634.4	667.1	684.4	702.3	703.3	689.5	654.9	629.8	612.7	603.6
40°	575.1	603.7	635.5	651.4	668.2	670.8	658.0	624.5	598.2	580.9	572.8
40.5°	544.7	574.2	604.5	619.2	635.3	636.7	626.5	593.9	566.8	549.9	542.3
41°	515.1	544.5	573.6	587.9	602.4	604.9	595.5	564.6	536.5	519.9	513.3
41.5°	485.8	515.4	542.3	557.2	571.3	572.8	564.8	535.9	507.4	490.3	485.4
42°	458.5	488.5	513.3	527.8	540.7	542.3	534.3	508.5	479.1	461.2	458.4
42.5°	432.0	461.0	484.1	498.4	511.2	511.5	503.9	480.6	451.9	433.7	431.1
43°	406.1	434.2	455.8	468.5	482.2	482.2	474.6	454.0	425.8	407.3	404.8
43.5°	380.6	407.2	427.9	439.8	453.6	452.8	446.1	427.4	399.7	381.7	378.4
44°	357.1	381.7	402.4	411.7	425.7	425.5	418.7	402.0	375.6	357.6	354.2
44.5°	333.8	357.0	376.6	384.2	399.0	397.9	391.7	376.5	352.0	334.3	328.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	311.4	333.5	352.1	357.7	373.6	371.9	366.0	352.3	329.4	311.7	305.2
45.5°	289.9	310.1	328.5	331.4	347.8	345.6	341.3	328.6	307.6	290.2	282.0
46°	270.1	288.3	305.1	306.9	323.6	321.1	317.1	305.9	286.0	269.8	261.4
46.5°	250.3	266.6	282.2	283.0	299.5	296.6	294.2	283.3	266.2	252.0	242.9
47°	231.9	247.1	260.2	260.5	277.4	273.5	271.2	262.1	248.4	234.2	224.4
47.5°	213.9	227.2	238.8	238.6	257.2	253.5	251.3	243.3	230.8	216.5	205.9
48°	197.6	209.3	218.5	218.3	236.9	233.4	231.4	224.6	213.2	198.7	187.5
48.5°	181.3	191.2	199.0	199.0	216.7	213.4	211.6	205.8	195.5	181.0	172.4
49°	166.5	175.0	180.4	181.1	196.4	193.3	191.7	187.0	177.9	166.1	158.6
49.5°	152.3	159.4	162.6	164.1	176.3	173.3	171.9	168.4	162.7	151.9	146.0
50°	138.5	144.6	146.1	147.8	158.9	156.7	155.2	152.7	148.4	138.9	134.1
50.5°	125.4	129.9	130.9	132.5	142.3	140.9	139.5	137.7	134.8	126.6	122.9
51°	113.6	117.0	117.0	118.4	127.3	126.5	125.1	123.8	121.6	115.1	112.4
51.5°	101.9	104.5	103.9	105.2	113.0	112.8	111.8	110.6	109.5	104.3	102.5
52°	91.3	93.1	92.1	93.2	100.0	100.1	99.2	98.5	97.8	93.9	93.0
52.5°	82.1	83.7	82.8	83.7	87.8	88.2	87.5	87.0	86.7	84.1	83.7
53°	72.8	74.3	73.4	74.1	76.7	77.4	76.9	76.4	76.3	74.7	74.7
53.5°	63.6	64.9	64.1	64.5	66.4	67.2	67.0	66.5	66.9	65.8	66.3
54°	54.4	55.5	54.7	54.9	57.4	58.2	58.2	57.4	57.9	57.5	58.3
54.5°	47.0	46.1	45.4	45.4	49.5	50.3	50.2	49.4	49.9	50.0	50.8
55°	40.3	39.6	38.9	39.0	42.8	43.5	43.4	42.7	42.9	43.0	44.0
55.5°	34.4	33.5	32.9	32.8	36.6	37.2	37.2	36.5	36.7	37.0	37.9
56°	28.4	27.4	26.9	26.8	30.5	30.9	30.9	32.5	32.1	32.9	31.7
56.5°	23.0	22.2	21.7	21.8	27.0	27.3	27.3	28.5	27.6	28.7	27.9
57°	18.7	18.0	17.6	17.8	23.4	23.8	23.8	24.5	23.2	24.6	24.1
57.5°	15.4	14.9	14.6	15.0	19.9	20.3	20.3	20.6	18.7	20.5	20.3
58°	13.1	12.6	12.5	12.8	16.3	16.8	16.7	16.6	14.2	16.3	16.6
58.5°	11.2	10.9	10.8	11.1	12.8	13.4	13.2	12.6	12.3	12.2	12.8
59°	9.9	9.5	9.5	9.8	11.3	11.8	11.6	11.0	10.7	10.7	11.0
59.5°	9.0	8.7	8.7	9.0	10.1	10.5	10.3	9.8	9.5	9.4	9.7
60°	8.2	8.0	7.9	8.2	9.1	9.4	9.3	8.8	8.5	8.4	8.7
60.5°	7.4	7.2	7.1	7.4	8.2	8.6	8.4	7.9	7.6	7.5	7.8
61°	6.6	6.4	6.4	6.6	7.5	7.8	7.6	7.2	6.9	6.8	7.0
61.5°	6.0	5.8	5.8	6.1	6.8	7.1	7.0	6.5	6.3	6.2	6.4
62°	5.5	5.3	5.3	5.5	6.2	6.5	6.4	6.0	5.7	5.7	5.8
62.5°	5.0	4.9	4.9	5.1	5.7	6.0	5.9	5.5	5.3	5.2	5.4
63°	4.6	4.5	4.5	4.7	5.3	5.5	5.4	5.1	4.8	4.8	4.9
63.5°	4.2	4.1	4.2	4.3	4.9	5.1	5.0	4.7	4.5	4.4	4.5
64°	3.9	3.8	3.8	4.0	4.5	4.7	4.6	4.3	4.1	4.1	4.2
64.5°	3.6	3.5	3.6	3.7	4.2	4.4	4.3	4.0	3.8	3.8	3.9
65°	3.3	3.3	3.3	3.5	3.9	4.1	4.0	3.7	3.6	3.5	3.6
65.5°	3.1	3.0	3.1	3.2	3.6	3.8	3.7	3.5	3.3	3.3	3.4
66°	2.9	2.8	2.8	3.0	3.4	3.5	3.4	3.2	3.1	3.0	3.1
66.5°	2.7	2.6	2.6	2.8	3.1	3.3	3.2	3.0	2.8	2.8	2.9
67°	2.5	2.4	2.5	2.6	2.9	3.1	3.0	2.8	2.6	2.6	2.7

TEST NUMBER: P1590483

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	2.3	2.3	2.3	2.4	2.7	2.9	2.8	2.6	2.5	2.4	2.5
68°	2.1	2.1	2.1	2.2	2.5	2.7	2.6	2.4	2.3	2.3	2.3
68.5°	2.0	1.9	2.0	2.1	2.4	2.5	2.4	2.2	2.1	2.1	2.2
69°	1.8	1.8	1.8	1.9	2.2	2.3	2.2	2.1	2.0	2.0	2.0
69.5°	1.7	1.7	1.7	1.8	2.0	2.2	2.1	1.9	1.8	1.8	1.9
70°	1.6	1.5	1.6	1.7	1.9	2.0	1.9	1.8	1.7	1.7	1.7
70.5°	1.5	1.4	1.5	1.5	1.8	1.9	1.8	1.7	1.6	1.6	1.6
71°	1.3	1.3	1.3	1.4	1.6	1.7	1.7	1.5	1.5	1.5	1.5
71.5°	1.2	1.2	1.2	1.3	1.5	1.6	1.5	1.4	1.4	1.3	1.4
72°	1.1	1.1	1.1	1.2	1.4	1.5	1.4	1.3	1.3	1.2	1.3
72.5°	1.1	1.0	1.0	1.1	1.3	1.4	1.3	1.2	1.2	1.2	1.2
73°	1.0	0.9	1.0	1.0	1.2	1.3	1.2	1.1	1.1	1.1	1.1
73.5°	0.9	0.9	0.9	1.0	1.1	1.2	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	1.0	0.9	0.9	0.9
74.5°	0.7	0.7	0.7	0.8	0.9	1.0	1.0	0.9	0.8	0.8	0.9
75°	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.8	0.8	0.8	0.8
75.5°	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7
76°	0.6	0.5	0.5	0.6	0.7	0.8	0.7	0.7	0.6	0.6	0.7
76.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.6	0.6	0.6	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	0.5	0.5	0.5
78°	0.4	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	0.5	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	0.3	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	0.3	0.2	0.2	0.3
80.5°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2
81°	0.1	0.1	0.1	0.2	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: P1590483

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3000K

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: P1590483

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3000K

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	0.1	0.1
123.5°	0.1	0.1	0.1	0.1	0.0	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	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°	0.2	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	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2
127.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.2	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	0.3	0.3
131°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	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°	0.3	0.3	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	0.3	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	0.4
134°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
134.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4

TEST NUMBER: P1590483

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3000K

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	0.5	0.5
137°	0.4	0.4	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5
137.5°	0.4	0.4	0.4	0.4	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	0.6	0.6
139.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	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	0.7	0.7	0.7
142°	0.5	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
142.5°	0.5	0.5	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
143°	0.5	0.5	0.5	0.5	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	0.8
144°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.8	0.8	0.8	0.8
144.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	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	0.9	0.9
146.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.6	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
148°	0.6	0.6	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
148.5°	0.6	0.6	0.5	0.6	0.9	0.9	0.9	0.9	1.0	1.0	1.0
149°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0
149.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	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	1.1	1.1	1.1
151.5°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1
152°	0.6	0.6	0.6	0.6	1.1	1.1	1.1	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°	0.7	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.2	1.2
154°	0.7	0.6	0.6	0.6	1.1	1.1	1.1	1.2	1.2	1.2	1.2
154.5°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
155°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
155.5°	0.7	0.7	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
156°	0.7	0.7	0.7	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
156.5°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.2	1.3	1.2
157°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.3	1.3	1.3

TEST NUMBER: P1590483

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3000K

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	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
158°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
158.5°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	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	1.4	1.4	1.4
161°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.4	1.4	1.4	1.4
161.5°	0.7	0.7	0.7	0.7	1.3	1.4	1.4	1.4	1.4	1.4	1.4
162°	0.7	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
162.5°	0.7	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
163°	0.7	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
163.5°	0.7	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
164°	0.8	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
164.5°	0.8	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
165°	0.8	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
165.5°	0.8	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
166°	0.8	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
166.5°	0.8	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
167°	0.8	0.7	0.7	0.7	1.3	1.4	1.4	1.4	1.4	1.4	1.4
167.5°	0.8	0.7	0.7	0.7	1.3	1.3	1.4	1.4	1.4	1.4	1.4
168°	0.8	0.7	0.7	0.7	1.3	1.3	1.4	1.4	1.4	1.4	1.4
168.5°	0.8	0.7	0.7	0.7	1.3	1.3	1.3	1.4	1.4	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	1.3	1.3	1.3	1.3	1.3	1.3	1.3
170.5°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
171°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
171.5°	0.7	0.7	0.7	0.7	1.2	1.2	1.3	1.3	1.3	1.3	1.3
172°	0.7	0.7	0.7	0.7	1.2	1.2	1.3	1.3	1.3	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	1.2	1.2	1.2	1.2	1.2	1.2	1.2
174°	0.7	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.2	1.2	1.2
174.5°	0.7	0.7	0.7	0.7	1.1	1.2	1.2	1.2	1.2	1.2	1.2
175°	0.7	0.7	0.7	0.7	1.1	1.1	1.2	1.2	1.2	1.2	1.1
175.5°	0.7	0.7	0.7	0.7	1.1	1.1	1.2	1.2	1.1	1.1	1.1
176°	0.8	0.7	0.7	0.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1
176.5°	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1
177°	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1
177.5°	0.8	0.8	0.8	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1
178°	0.9	0.8	0.8	0.8	1.0	1.1	1.1	1.1	1.1	1.0	1.0
178.5°	0.9	0.9	0.9	0.9	1.0	1.0	1.1	1.1	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°	1.0	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P1590483

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3000K

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: P1590483

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0
0.5°	2601.2	2599.4	2600.3	2601.2	2601.0	2601.4
1°	2600.5	2598.7	2599.6	2600.1	2599.8	2600.3
1.5°	2599.4	2597.5	2598.7	2598.5	2598.0	2598.9
2°	2598.0	2596.2	2596.6	2595.7	2595.5	2597.1
2.5°	2595.5	2594.6	2594.6	2593.0	2592.7	2594.8
3°	2593.2	2593.0	2592.3	2589.1	2588.2	2592.3
3.5°	2589.8	2590.2	2588.9	2584.5	2582.9	2588.2
4°	2585.9	2586.8	2585.0	2579.0	2577.2	2583.6
4.5°	2580.6	2582.9	2580.4	2573.1	2570.8	2577.9
5°	2575.2	2578.1	2575.4	2566.3	2563.5	2571.7
5.5°	2569.4	2572.9	2569.7	2559.4	2556.0	2564.7
6°	2562.8	2566.7	2563.5	2552.3	2547.7	2557.3
6.5°	2555.5	2560.1	2556.4	2545.0	2540.2	2548.9
7°	2547.7	2551.6	2548.9	2537.2	2531.5	2540.0
7.5°	2539.3	2542.7	2539.8	2529.5	2523.3	2530.2
8°	2529.7	2532.2	2529.9	2519.9	2514.2	2520.3
8.5°	2519.7	2520.3	2518.5	2510.5	2504.6	2508.9
9°	2507.5	2506.2	2505.7	2499.1	2493.8	2496.8
9.5°	2494.3	2490.6	2490.9	2486.8	2482.0	2483.3
10°	2478.8	2472.1	2473.7	2471.7	2468.9	2469.4
10.5°	2461.0	2451.8	2453.9	2455.7	2454.3	2453.9
11°	2441.1	2428.7	2431.9	2436.5	2437.7	2436.5
11.5°	2417.6	2402.9	2407.0	2414.8	2418.7	2417.6
12°	2392.7	2375.3	2380.5	2390.1	2396.5	2396.3
12.5°	2365.9	2347.9	2352.9	2364.8	2372.8	2374.4
13°	2338.7	2318.9	2324.1	2337.6	2348.8	2351.3
13.5°	2310.7	2290.8	2295.4	2309.7	2323.2	2327.3
14°	2282.0	2260.8	2266.1	2281.3	2296.3	2302.4
14.5°	2252.7	2231.4	2236.8	2253.1	2269.1	2277.4
15°	2223.4	2201.1	2206.7	2223.5	2241.5	2251.5
15.5°	2194.8	2172.1	2177.9	2195.8	2213.1	2224.8
16°	2166.5	2143.5	2149.8	2166.9	2184.8	2198.5
16.5°	2138.0	2116.2	2121.8	2139.3	2158.1	2172.2
17°	2110.5	2087.7	2093.4	2111.8	2130.2	2145.2
17.5°	2083.3	2059.7	2066.5	2083.9	2103.1	2117.6
18°	2056.2	2031.6	2038.4	2056.3	2074.9	2090.0
18.5°	2028.2	2003.9	2010.7	2029.4	2047.5	2062.7
19°	2001.9	1976.4	1984.2	2002.1	2019.5	2035.5
19.5°	1976.2	1948.4	1957.2	1975.4	1992.5	2008.5
20°	1950.6	1922.1	1931.3	1948.6	1964.8	1981.0
20.5°	1924.9	1894.7	1904.4	1922.7	1937.8	1953.8
21°	1899.2	1868.6	1877.9	1895.3	1910.4	1926.5
21.5°	1873.6	1841.4	1851.4	1868.5	1882.6	1899.3
22°	1847.2	1814.9	1825.0	1841.2	1855.6	1870.7

TEST NUMBER: P1590483

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1819.9	1787.3	1797.0	1814.0	1826.7	1842.0
23°	1790.1	1757.8	1767.0	1784.5	1796.1	1810.9
23.5°	1757.9	1725.9	1735.7	1753.3	1765.5	1779.9
24°	1725.2	1691.6	1702.4	1719.8	1732.3	1747.1
24.5°	1691.4	1653.9	1667.7	1683.9	1697.2	1713.8
25°	1655.9	1618.4	1631.5	1647.0	1660.5	1679.1
25.5°	1618.7	1582.0	1594.8	1608.4	1623.9	1645.1
26°	1581.4	1546.1	1557.5	1568.7	1586.1	1610.4
26.5°	1542.8	1508.4	1519.6	1528.9	1547.3	1576.8
27°	1503.0	1473.0	1481.4	1488.4	1506.9	1540.5
27.5°	1462.7	1436.6	1441.7	1448.0	1467.4	1504.8
28°	1421.4	1399.1	1402.2	1408.2	1429.9	1467.8
28.5°	1380.7	1361.4	1363.3	1368.6	1392.3	1430.6
29°	1341.2	1323.2	1324.5	1330.2	1355.5	1391.6
29.5°	1302.3	1283.6	1285.5	1292.2	1319.1	1353.4
30°	1263.6	1243.6	1245.3	1255.0	1283.5	1312.8
30.5°	1224.7	1202.1	1205.5	1217.4	1246.7	1273.6
31°	1186.9	1162.5	1165.8	1179.7	1210.1	1234.4
31.5°	1148.9	1121.8	1126.6	1142.3	1172.8	1195.6
32°	1111.7	1082.3	1088.0	1104.5	1134.3	1156.4
32.5°	1074.7	1043.5	1049.8	1066.8	1096.0	1118.6
33°	1037.4	1005.4	1012.8	1029.0	1057.3	1080.6
33.5°	999.9	966.5	976.5	990.3	1018.0	1042.4
34°	963.1	923.6	942.2	953.6	978.7	1004.7
34.5°	926.3	889.2	906.6	918.6	941.0	966.5
35°	890.8	854.8	870.9	883.6	905.3	922.0
35.5°	855.0	820.4	835.3	848.6	869.6	886.6
36°	820.9	786.1	799.7	813.7	833.9	851.3
36.5°	786.5	752.8	764.1	778.7	798.2	816.0
37°	752.6	719.9	730.2	745.8	762.5	780.7
37.5°	719.3	687.9	696.8	713.2	729.3	744.1
38°	686.8	657.5	663.9	681.8	696.5	708.2
38.5°	655.2	627.3	631.9	649.8	663.3	673.5
39°	624.4	598.3	602.9	618.8	631.5	640.2
39.5°	593.9	568.7	573.4	587.3	599.3	607.2
40°	563.5	539.9	544.5	557.1	567.3	575.1
40.5°	534.8	512.7	516.7	526.9	535.4	544.7
41°	506.6	486.3	490.2	497.7	505.4	515.1
41.5°	479.4	460.7	464.0	469.6	475.4	485.8
42°	452.7	436.1	438.4	442.4	447.1	458.5
42.5°	426.5	412.4	413.8	414.9	419.3	432.0
43°	401.6	389.6	389.7	390.2	393.4	406.1
43.5°	377.5	367.1	366.7	364.5	367.8	380.6
44°	354.6	345.5	344.5	340.3	343.4	357.1
44.5°	332.4	324.5	323.3	316.5	319.6	333.8

TEST NUMBER: P1590483

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	310.9	304.5	302.5	294.2	296.8	311.4
45.5°	290.4	285.1	283.1	272.5	275.5	289.9
46°	270.7	266.7	264.3	252.1	255.0	270.1
46.5°	252.3	248.7	246.3	232.7	235.3	250.3
47°	235.2	231.3	228.9	214.9	216.7	231.9
47.5°	218.3	214.8	212.1	198.2	199.7	213.9
48°	201.4	198.8	196.2	182.5	183.9	197.6
48.5°	184.5	183.9	181.2	168.2	169.2	181.3
49°	169.6	169.5	166.8	155.1	155.0	166.5
49.5°	155.4	155.6	153.1	142.9	142.8	152.3
50°	142.5	142.4	139.8	131.3	130.9	138.5
50.5°	130.0	129.7	127.6	120.4	119.8	125.4
51°	118.3	117.8	116.0	110.1	109.1	113.6
51.5°	107.3	106.3	105.0	100.3	99.4	101.9
52°	97.0	95.6	94.5	90.7	90.8	91.3
52.5°	86.9	86.5	85.7	82.3	82.1	82.1
53°	77.5	77.5	77.0	73.8	73.3	72.8
53.5°	68.8	68.4	68.2	65.4	64.5	63.6
54°	60.3	59.4	59.4	57.0	55.8	54.4
54.5°	52.4	50.4	50.6	49.7	48.4	47.0
55°	45.4	43.5	43.9	43.2	41.7	40.3
55.5°	39.3	37.5	37.9	37.1	36.0	34.4
56°	33.2	31.4	31.8	31.3	30.1	28.4
56.5°	29.2	25.8	26.4	25.7	24.5	23.0
57°	25.3	21.2	21.6	21.0	19.9	18.7
57.5°	21.4	17.7	18.1	17.5	16.5	15.4
58°	17.4	15.1	15.5	14.9	14.0	13.1
58.5°	13.5	13.1	13.5	13.0	12.1	11.2
59°	11.7	11.5	11.8	11.4	10.6	9.9
59.5°	10.3	10.2	10.5	10.1	9.3	9.0
60°	9.2	9.4	9.4	9.4	8.6	8.2
60.5°	8.3	8.7	8.7	8.6	7.9	7.4
61°	7.5	7.9	8.1	7.9	7.1	6.6
61.5°	6.8	7.2	7.4	7.1	6.4	6.0
62°	6.3	6.5	6.7	6.4	5.9	5.5
62.5°	5.7	5.9	6.2	5.9	5.4	5.0
63°	5.3	5.5	5.7	5.4	4.9	4.6
63.5°	4.9	5.1	5.3	5.0	4.6	4.2
64°	4.5	4.7	4.9	4.6	4.2	3.9
64.5°	4.2	4.3	4.5	4.3	3.9	3.6
65°	3.9	4.0	4.2	4.0	3.6	3.3
65.5°	3.6	3.7	3.9	3.7	3.3	3.1
66°	3.3	3.5	3.6	3.4	3.1	2.9
66.5°	3.1	3.2	3.4	3.2	2.9	2.7
67°	2.9	3.0	3.1	3.0	2.7	2.5

TEST NUMBER: P1590483

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	2.7	2.8	2.9	2.8	2.5	2.3
68°	2.5	2.6	2.7	2.6	2.3	2.1
68.5°	2.3	2.4	2.5	2.4	2.1	2.0
69°	2.2	2.3	2.4	2.2	2.0	1.8
69.5°	2.0	2.1	2.2	2.1	1.8	1.7
70°	1.9	2.0	2.0	1.9	1.7	1.6
70.5°	1.7	1.8	1.9	1.8	1.6	1.5
71°	1.6	1.7	1.8	1.6	1.5	1.3
71.5°	1.5	1.6	1.6	1.5	1.4	1.2
72°	1.4	1.5	1.5	1.4	1.2	1.1
72.5°	1.3	1.3	1.4	1.3	1.2	1.1
73°	1.2	1.2	1.3	1.2	1.1	1.0
73.5°	1.1	1.1	1.2	1.1	1.0	0.9
74°	1.0	1.1	1.1	1.0	0.9	0.8
74.5°	0.9	1.0	1.0	0.9	0.8	0.7
75°	0.9	0.9	0.9	0.9	0.8	0.7
75.5°	0.8	0.8	0.9	0.8	0.7	0.6
76°	0.7	0.7	0.8	0.7	0.6	0.6
76.5°	0.6	0.7	0.7	0.7	0.6	0.5
77°	0.6	0.6	0.7	0.6	0.5	0.4
77.5°	0.5	0.6	0.6	0.5	0.5	0.4
78°	0.5	0.5	0.5	0.5	0.4	0.4
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	0.4	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	0.3	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	0.2	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: P1590483

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3000K

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: P1590483

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3000K

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	0.1	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	0.2	0.2	0.1	0.1
126.5°	0.2	0.2	0.2	0.2	0.2	0.2
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	0.3	0.2	0.2	0.2	0.2
131.5°	0.3	0.3	0.3	0.3	0.2	0.2
132°	0.3	0.3	0.3	0.3	0.3	0.3
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°	0.4	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: P1590483

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3000K

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	0.4	0.3	0.3	0.3	0.3
136.5°	0.5	0.4	0.4	0.4	0.4	0.3
137°	0.5	0.4	0.4	0.4	0.4	0.4
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°	0.6	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	0.5	0.5	0.5	0.4	0.4
142°	0.7	0.5	0.5	0.5	0.5	0.5
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°	0.8	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°	0.9	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	0.6	0.6	0.6	0.6	0.5
147.5°	0.9	0.6	0.6	0.6	0.6	0.6
148°	0.9	0.6	0.6	0.6	0.6	0.6
148.5°	1.0	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°	1.1	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	0.7	0.7	0.6
153.5°	1.2	0.6	0.6	0.7	0.7	0.7
154°	1.2	0.6	0.7	0.7	0.7	0.7
154.5°	1.2	0.7	0.7	0.7	0.7	0.7
155°	1.2	0.7	0.7	0.7	0.7	0.7
155.5°	1.2	0.7	0.7	0.7	0.7	0.7
156°	1.2	0.7	0.7	0.7	0.7	0.7
156.5°	1.2	0.7	0.7	0.7	0.7	0.7
157°	1.3	0.7	0.7	0.7	0.7	0.7

TEST NUMBER: P1590483

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.3	0.7	0.7	0.7	0.7	0.7
158°	1.3	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°	1.4	0.7	0.7	0.7	0.7	0.7
161.5°	1.4	0.7	0.7	0.7	0.7	0.7
162°	1.4	0.7	0.7	0.7	0.7	0.7
162.5°	1.4	0.7	0.7	0.7	0.8	0.7
163°	1.4	0.7	0.7	0.8	0.8	0.7
163.5°	1.4	0.7	0.7	0.8	0.8	0.7
164°	1.4	0.7	0.7	0.8	0.8	0.8
164.5°	1.4	0.7	0.7	0.8	0.8	0.8
165°	1.4	0.7	0.7	0.8	0.8	0.8
165.5°	1.4	0.7	0.7	0.8	0.8	0.8
166°	1.4	0.7	0.7	0.8	0.8	0.8
166.5°	1.4	0.7	0.7	0.8	0.8	0.8
167°	1.4	0.7	0.7	0.8	0.8	0.8
167.5°	1.4	0.7	0.7	0.8	0.8	0.8
168°	1.4	0.7	0.7	0.8	0.8	0.8
168.5°	1.3	0.7	0.7	0.8	0.8	0.8
169°	1.3	0.7	0.7	0.8	0.8	0.7
169.5°	1.3	0.7	0.7	0.8	0.8	0.7
170°	1.3	0.7	0.7	0.8	0.8	0.7
170.5°	1.3	0.7	0.7	0.7	0.7	0.7
171°	1.3	0.7	0.7	0.7	0.7	0.7
171.5°	1.3	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°	1.2	0.7	0.7	0.7	0.7	0.7
174.5°	1.2	0.7	0.7	0.7	0.7	0.7
175°	1.1	0.7	0.7	0.8	0.8	0.7
175.5°	1.1	0.7	0.7	0.8	0.8	0.7
176°	1.1	0.7	0.8	0.8	0.8	0.8
176.5°	1.1	0.8	0.8	0.8	0.8	0.8
177°	1.1	0.8	0.8	0.8	0.8	0.8
177.5°	1.1	0.8	0.8	0.9	0.8	0.8
178°	1.0	0.9	0.9	0.9	0.9	0.9
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	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P1590483

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3000K

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: P1590483

CATALOG NUMBER: HCDLS1525CSD4TRMW-HI-3000K

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	5.6	6.6	5.9	6.9	7.2	6.6	7.6	6.9	7.9	8.2
	3H	5.5	6.4	5.9	6.7	7.1	6.5	7.4	6.9	7.7	8.1
	4H	5.4	6.3	5.8	6.6	7.0	6.4	7.3	6.8	7.6	8.0
	6H	5.3	6.1	5.7	6.5	6.9	6.3	7.1	6.8	7.5	7.9
	8H	5.3	6.0	5.7	6.4	6.8	6.3	7.0	6.7	7.4	7.8
	12H	5.2	5.9	5.6	6.3	6.7	6.2	6.9	6.7	7.3	7.7
4H	2H	5.4	6.2	5.8	6.6	7.0	6.4	7.2	6.8	7.6	8.0
	3H	5.3	6.0	5.8	6.4	6.8	6.3	7.0	6.7	7.4	7.8
	4H	5.3	5.9	5.7	6.3	6.7	6.2	6.8	6.7	7.3	7.7
	6H	5.2	5.7	5.6	6.1	6.6	6.1	6.7	6.6	7.1	7.6
	8H	5.1	5.6	5.6	6.0	6.5	6.1	6.6	6.6	7.0	7.5
	12H	5.0	5.4	5.5	5.9	6.4	6.0	6.4	6.5	6.9	7.4
8H	4H	5.1	5.6	5.6	6.0	6.5	6.1	6.6	6.5	7.0	7.5
	6H	5.0	5.4	5.5	5.9	6.4	6.0	6.3	6.5	6.9	7.3
	8H	4.9	5.3	5.5	5.8	6.3	5.9	6.2	6.4	6.8	7.3
	12H	4.9	5.2	5.4	5.7	6.2	5.8	6.1	6.4	6.6	7.2
12H	4H	5.0	5.5	5.5	5.9	6.4	6.0	6.4	6.5	6.9	7.4
	6H	4.9	5.3	5.5	5.7	6.3	5.9	6.2	6.4	6.7	7.3
	8H	4.9	5.2	5.4	5.7	6.2	5.8	6.1	6.4	6.6	7.2

(END OF REPORT)