

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: P1590476

Luminaire Tested: HCDLS1525CSD4TRH-LO-5000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590476
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-LO-5000K
Description: 4" Selectable Round Trim+ Haze (Semi-specular) 1500 Lumens 5000K

Light Source:
Ballast/Driver: -

Summary

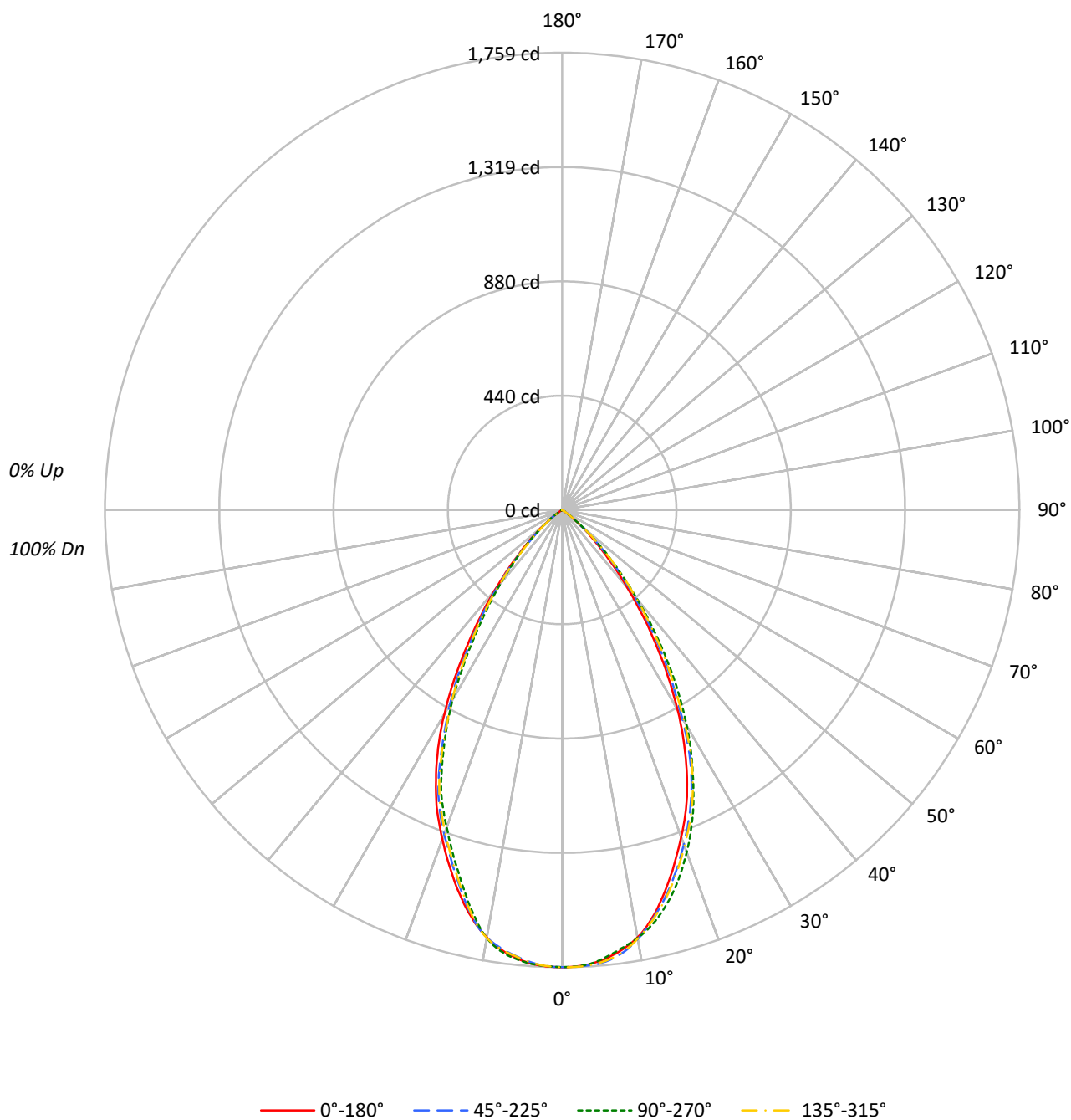
Lumens per Lamp: N/A
Luminaire Lumens: 1720.0 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 15.9
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1590476

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	216940	216940	216940	216940
5°	215330	214872	215577	215862
10°	209152	209415	209115	209378
15°	194418	199884	195082	190064
20°	175838	183911	176967	170614
25°	154538	162649	156389	148944
30°	126433	136588	129167	119767
35°	93885	105675	95873	87034
40°	62619	72763	65131	58787
45°	36736	44063	38865	35917
50°	17980	20609	19247	18479
55°	5871	6215	6236	6322
60°	1357	1505	1406	1579
65°	671	759	700	788
70°	397	469	433	469
75°	238	286	238	286
80°	71	142	142	142
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 44063 cd/sqm

TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.0	9.5
10°-20°	425.9	24.8
20°-30°	520.3	30.3
30°-40°	396.4	23.0
40°-50°	176.8	10.3
50°-60°	32.0	1.9
60°-70°	2.8	0.2
70°-80°	0.6	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	0.2	0.0
140°-150°	0.3	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	1110.3	64.6
0°-40°	1506.7	87.6
0°-60°	1715.5	99.7
0°-90°	1718.9	99.9
90°-120°	0.0	0.0
90°-150°	0.5	0.0
90°-180°	1.0	0.1
0°-180°	1720.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1759	1759	1759	1759	1759	
5°	1739	1735	1741	1743	1739	164
15°	1522	1565	1528	1488	1522	425
25°	1136	1195	1149	1094	1136	516
35°	624	702	637	578	624	390
45°	211	253	223	206	211	168
55°	27	29	29	29	27	30
65°	2	3	2	3	2	3
75°	0	1	0	1	0	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	0	0	0	0	0
155°	0	1	1	0	0	0
165°	0	1	1	0	0	0
175°	0	1	1	0	0	0
180°	1	1	1	1	1	

TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1758.8	1758.8	1758.8	1758.8	1758.8	1758.8	1758.8	1758.8	1758.8	1758.8	1758.8
0.5°	1759.1	1758.5	1758.7	1759.1	1758.5	1758.7	1759.4	1759.1	1759.1	1758.5	1758.5
1°	1758.4	1758.4	1758.7	1759.1	1758.5	1758.7	1759.0	1759.0	1758.5	1757.9	1757.9
1.5°	1757.4	1757.7	1758.4	1758.5	1757.9	1758.4	1758.5	1758.4	1757.9	1757.0	1757.0
2°	1756.2	1756.8	1757.9	1757.7	1756.8	1757.3	1757.9	1757.7	1756.7	1755.3	1755.6
2.5°	1754.7	1756.2	1757.1	1756.4	1755.3	1755.7	1757.3	1756.8	1755.1	1753.4	1753.7
3°	1753.0	1755.3	1756.0	1754.5	1753.0	1753.9	1755.7	1755.7	1753.4	1750.8	1751.1
3.5°	1750.2	1754.2	1754.8	1752.2	1749.9	1751.4	1754.0	1754.2	1751.4	1747.6	1747.9
4°	1747.1	1752.7	1753.6	1749.1	1745.7	1748.0	1752.3	1752.7	1748.5	1743.5	1744.0
4.5°	1743.2	1750.5	1751.6	1745.2	1740.8	1743.8	1749.7	1750.5	1745.2	1738.9	1739.7
5°	1739.1	1747.9	1748.5	1740.4	1735.4	1738.7	1746.5	1748.0	1741.1	1733.8	1734.9
5.5°	1734.3	1744.3	1745.1	1735.5	1729.5	1733.5	1742.6	1744.6	1736.7	1728.2	1729.9
6°	1729.3	1740.0	1740.9	1729.8	1723.3	1727.6	1738.3	1740.6	1731.5	1722.5	1724.5
6.5°	1723.6	1735.0	1736.1	1724.1	1717.0	1721.6	1733.2	1735.8	1725.6	1716.7	1719.1
7°	1717.6	1729.0	1730.1	1717.9	1710.8	1715.4	1727.3	1730.1	1719.3	1710.3	1713.6
7.5°	1710.9	1722.2	1723.3	1711.3	1704.6	1708.8	1720.8	1723.5	1713.0	1704.0	1707.5
8°	1704.3	1714.8	1715.6	1704.0	1698.3	1702.0	1713.4	1715.6	1705.4	1697.5	1701.4
8.5°	1696.6	1706.3	1707.1	1696.4	1691.9	1695.3	1705.1	1707.4	1697.4	1690.2	1694.6
9°	1688.4	1696.9	1697.5	1688.5	1685.5	1687.8	1695.8	1697.8	1688.9	1682.8	1687.2
9.5°	1679.3	1686.5	1687.3	1680.1	1679.0	1679.9	1686.1	1687.3	1679.9	1674.6	1679.1
10°	1669.9	1675.6	1676.2	1670.9	1672.0	1671.4	1675.4	1676.2	1669.6	1666.0	1670.0
10.5°	1659.4	1663.7	1664.3	1661.2	1664.5	1662.8	1664.3	1664.0	1658.6	1655.7	1659.2
11°	1647.6	1651.2	1651.8	1650.9	1656.1	1653.2	1652.4	1651.8	1647.2	1644.8	1647.3
11.5°	1634.8	1637.6	1639.1	1640.0	1647.2	1643.3	1640.2	1638.8	1634.8	1632.8	1634.0
12°	1620.4	1623.5	1625.8	1628.0	1637.7	1632.6	1627.8	1625.4	1621.7	1618.7	1618.6
12.5°	1605.6	1609.0	1611.6	1616.4	1626.9	1620.9	1614.9	1611.5	1606.8	1603.6	1601.3
13°	1590.0	1594.3	1597.7	1603.8	1616.1	1609.3	1601.4	1596.6	1592.8	1587.8	1584.4
13.5°	1573.8	1578.7	1583.4	1591.1	1604.2	1597.4	1587.7	1582.3	1577.2	1571.2	1566.7
14°	1557.0	1562.8	1568.8	1577.3	1591.5	1584.3	1573.6	1566.8	1561.4	1554.0	1548.1
14.5°	1540.0	1546.8	1554.0	1563.7	1578.6	1571.0	1558.8	1551.5	1544.4	1536.3	1529.5
15°	1522.5	1530.4	1538.5	1549.4	1565.3	1556.8	1544.6	1535.8	1527.7	1518.2	1510.2
15.5°	1504.5	1513.6	1522.9	1534.4	1551.4	1542.4	1529.0	1519.7	1510.7	1500.1	1490.8
16°	1486.7	1496.4	1506.8	1518.4	1536.5	1527.3	1513.4	1502.9	1493.1	1481.2	1471.8
16.5°	1468.9	1479.5	1490.4	1502.9	1521.4	1511.7	1496.8	1485.9	1475.3	1462.6	1453.1
17°	1450.6	1462.2	1473.8	1486.7	1505.7	1495.7	1480.2	1468.6	1457.2	1444.0	1434.2
17.5°	1431.9	1444.6	1456.4	1470.1	1489.6	1479.3	1463.5	1450.7	1439.0	1425.5	1415.5
18°	1413.3	1426.6	1438.9	1452.7	1472.4	1462.6	1446.0	1433.1	1421.1	1407.1	1396.9
18.5°	1394.8	1408.3	1421.5	1435.3	1455.3	1445.2	1428.7	1415.6	1402.9	1388.5	1378.7
19°	1376.4	1390.1	1404.3	1417.8	1437.3	1427.7	1411.5	1397.8	1384.1	1370.5	1360.4
19.5°	1358.2	1372.1	1386.7	1400.0	1419.8	1410.0	1394.1	1379.5	1366.0	1352.6	1344.0
20°	1339.6	1353.6	1369.0	1382.1	1401.1	1392.4	1376.8	1362.1	1348.2	1334.7	1326.5
20.5°	1321.2	1335.8	1351.0	1364.1	1382.9	1374.4	1358.9	1344.9	1329.6	1316.8	1308.9
21°	1302.7	1317.1	1332.8	1345.4	1364.2	1355.6	1341.1	1327.0	1310.9	1298.8	1291.3
21.5°	1284.3	1298.7	1314.9	1326.6	1344.2	1336.2	1323.4	1309.1	1292.3	1280.9	1273.7
22°	1265.0	1279.6	1296.0	1306.9	1324.3	1316.8	1305.6	1291.2	1273.6	1263.0	1254.4

TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1245.6	1261.1	1277.3	1287.9	1304.3	1297.4	1287.9	1273.3	1256.5	1243.1	1235.3
23°	1224.6	1241.2	1258.2	1266.7	1284.4	1278.0	1270.2	1253.5	1236.2	1222.0	1215.3
23.5°	1203.6	1221.4	1238.9	1246.8	1264.4	1258.6	1250.0	1234.0	1215.2	1200.8	1194.0
24°	1181.4	1200.8	1218.5	1224.7	1241.1	1236.8	1230.3	1213.9	1193.4	1179.1	1171.1
24.5°	1158.9	1179.4	1198.7	1203.5	1218.6	1215.1	1210.0	1193.0	1171.4	1155.9	1147.2
25°	1135.5	1157.3	1177.7	1180.4	1195.1	1192.7	1189.1	1172.0	1149.1	1132.4	1122.3
25.5°	1112.4	1135.2	1156.3	1158.5	1172.2	1170.2	1167.5	1150.5	1126.4	1108.3	1096.4
26°	1089.0	1112.1	1133.9	1135.3	1149.2	1147.2	1145.5	1128.2	1103.7	1084.0	1069.1
26.5°	1066.3	1088.8	1111.1	1111.9	1125.8	1124.0	1122.4	1104.7	1080.1	1059.1	1041.8
27°	1041.7	1065.1	1086.2	1088.5	1102.3	1100.3	1098.5	1081.0	1056.8	1033.8	1014.9
27.5°	1017.6	1041.2	1060.5	1064.5	1079.6	1077.1	1074.0	1056.8	1033.4	1007.7	988.8
28°	992.5	1016.9	1033.9	1040.2	1056.3	1053.5	1047.6	1031.8	1009.1	982.2	962.9
28.5°	967.4	990.6	1006.1	1015.1	1032.8	1029.0	1021.3	1006.2	984.3	956.0	936.9
29°	941.0	965.6	978.1	990.1	1009.0	1005.0	993.9	979.6	959.0	930.5	912.3
29.5°	915.2	939.3	949.1	964.9	984.6	980.1	966.0	952.1	933.1	905.3	887.4
30°	887.7	912.0	920.8	938.7	959.0	954.8	936.8	923.8	906.9	879.9	862.5
30.5°	861.3	883.6	892.8	911.5	933.6	928.3	908.2	895.2	879.7	854.4	837.3
31°	834.7	856.1	865.6	884.6	907.8	902.3	880.6	866.6	853.1	829.6	811.6
31.5°	808.5	827.1	839.1	857.4	882.2	875.6	853.6	837.9	825.6	804.7	785.9
32°	782.0	799.1	813.5	829.9	856.2	848.6	827.6	810.3	799.5	780.0	759.8
32.5°	756.4	770.4	787.8	802.8	831.0	821.7	801.7	783.4	771.3	754.8	733.9
33°	730.7	744.2	763.2	776.0	805.7	794.3	777.3	757.0	743.8	730.4	707.6
33.5°	704.9	716.2	738.2	749.0	780.1	767.4	752.4	731.3	716.2	704.8	681.2
34°	679.4	690.9	713.5	723.6	754.0	741.1	728.0	706.2	689.8	679.5	656.4
34.5°	653.6	664.5	687.9	698.4	727.9	715.3	703.3	681.4	662.6	653.8	631.0
35°	623.5	639.1	662.5	673.9	701.8	689.9	678.6	657.3	636.7	627.6	607.4
35.5°	599.6	614.7	637.9	650.0	675.9	664.9	653.5	632.4	611.4	601.9	584.4
36°	575.7	590.3	613.7	627.1	649.4	640.5	628.7	607.4	587.3	576.8	561.8
36.5°	551.8	565.9	589.5	603.3	623.5	615.7	603.9	582.7	562.2	551.9	539.0
37°	527.9	541.5	565.3	579.4	597.6	591.7	579.3	558.3	538.3	527.7	517.3
37.5°	503.2	517.1	541.1	555.6	572.2	568.0	555.1	533.4	515.1	503.6	495.0
38°	478.9	494.9	516.9	531.8	547.4	544.6	532.4	509.8	492.2	480.8	473.1
38.5°	455.4	472.3	494.6	508.2	522.5	520.9	509.5	486.8	469.4	458.4	450.9
39°	432.9	450.7	473.2	485.6	498.5	498.8	487.8	464.3	447.6	436.6	429.5
39.5°	410.6	429.0	451.1	462.8	474.9	475.6	466.3	442.8	425.9	414.3	408.2
40°	388.9	408.3	429.7	440.5	451.9	453.6	445.0	422.3	404.5	392.8	387.3
40.5°	368.4	388.3	408.8	418.7	429.6	430.6	423.7	401.6	383.3	371.9	366.7
41°	348.3	368.2	387.8	397.5	407.4	409.0	402.7	381.8	362.8	351.5	347.1
41.5°	328.5	348.6	366.7	376.8	386.3	387.3	382.0	362.4	343.1	331.6	328.2
42°	310.0	330.3	347.1	356.9	365.7	366.7	361.3	343.8	324.0	311.9	310.0
42.5°	292.1	311.7	327.3	337.0	345.7	345.9	340.8	325.0	305.6	293.3	291.5
43°	274.6	293.6	308.2	316.8	326.1	326.1	321.0	307.0	288.0	275.4	273.8
43.5°	257.4	275.3	289.4	297.4	306.7	306.2	301.6	289.0	270.3	258.1	255.9
44°	241.5	258.1	272.1	278.4	287.9	287.7	283.1	271.8	254.0	241.8	239.5
44.5°	225.7	241.4	254.7	259.8	269.8	269.1	264.9	254.6	238.0	226.1	222.4

TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	210.6	225.5	238.1	241.9	252.6	251.5	247.5	238.2	222.8	210.8	206.4
45.5°	196.0	209.7	222.1	224.1	235.2	233.7	230.8	222.2	208.0	196.2	190.7
46°	182.7	195.0	206.3	207.5	218.8	217.1	214.4	206.8	193.4	182.4	176.8
46.5°	169.3	180.3	190.8	191.3	202.5	200.6	198.9	191.6	180.0	170.4	164.3
47°	156.8	167.1	175.9	176.1	187.6	184.9	183.4	177.3	168.0	158.4	151.8
47.5°	144.6	153.7	161.5	161.4	173.9	171.4	169.9	164.5	156.1	146.4	139.3
48°	133.6	141.5	147.8	147.6	160.2	157.8	156.5	151.8	144.1	134.3	126.8
48.5°	122.6	129.3	134.6	134.5	146.5	144.3	143.1	139.1	132.2	122.4	116.6
49°	112.6	118.3	122.0	122.5	132.8	130.7	129.7	126.4	120.3	112.3	107.3
49.5°	103.0	107.8	110.0	111.0	119.2	117.2	116.2	113.9	110.1	102.7	98.7
50°	93.7	97.7	98.8	100.0	107.4	106.0	104.9	103.3	100.3	93.9	90.7
50.5°	84.8	87.8	88.5	89.6	96.2	95.3	94.3	93.1	91.1	85.6	83.1
51°	76.8	79.1	79.1	80.1	86.1	85.6	84.6	83.7	82.3	77.8	76.0
51.5°	68.9	70.7	70.3	71.1	76.4	76.3	75.6	74.8	74.1	70.5	69.3
52°	61.7	63.0	62.3	63.1	67.6	67.7	67.1	66.6	66.1	63.5	62.9
52.5°	55.5	56.6	56.0	56.6	59.4	59.7	59.2	58.9	58.6	56.9	56.6
53°	49.2	50.2	49.7	50.1	51.9	52.4	52.0	51.7	51.6	50.5	50.5
53.5°	43.0	43.9	43.3	43.6	44.9	45.4	45.3	45.0	45.2	44.5	44.8
54°	36.8	37.5	37.0	37.1	38.8	39.3	39.3	38.8	39.1	38.9	39.4
54.5°	31.8	31.2	30.7	30.7	33.5	34.0	34.0	33.4	33.8	33.8	34.4
55°	27.3	26.7	26.3	26.4	28.9	29.4	29.3	28.9	29.0	29.1	29.8
55.5°	23.2	22.6	22.3	22.2	24.7	25.2	25.1	24.7	24.8	25.0	25.6
56°	19.2	18.6	18.2	18.2	20.6	20.9	20.9	22.0	21.7	22.2	21.5
56.5°	15.6	15.0	14.7	14.7	18.2	18.5	18.5	19.3	18.7	19.4	18.8
57°	12.6	12.1	11.9	12.1	15.8	16.1	16.1	16.6	15.7	16.6	16.3
57.5°	10.4	10.1	9.9	10.1	13.4	13.8	13.7	13.9	12.6	13.8	13.8
58°	8.8	8.5	8.4	8.7	11.1	11.4	11.3	11.2	9.6	11.0	11.2
58.5°	7.6	7.4	7.3	7.5	8.7	9.0	8.9	8.5	8.3	8.3	8.7
59°	6.7	6.4	6.4	6.6	7.6	8.0	7.9	7.5	7.2	7.2	7.5
59.5°	6.1	5.9	5.9	6.1	6.8	7.1	7.0	6.6	6.4	6.4	6.6
60°	5.5	5.4	5.4	5.5	6.1	6.4	6.3	5.9	5.7	5.7	5.9
60.5°	5.0	4.8	4.8	5.0	5.5	5.8	5.7	5.4	5.1	5.1	5.3
61°	4.4	4.3	4.3	4.5	5.0	5.2	5.2	4.8	4.7	4.6	4.8
61.5°	4.0	3.9	3.9	4.1	4.6	4.8	4.7	4.4	4.2	4.2	4.3
62°	3.7	3.6	3.6	3.8	4.2	4.4	4.3	4.0	3.9	3.8	4.0
62.5°	3.4	3.3	3.3	3.5	3.9	4.1	4.0	3.7	3.6	3.5	3.6
63°	3.1	3.0	3.0	3.2	3.6	3.7	3.7	3.4	3.3	3.2	3.3
63.5°	2.9	2.8	2.8	2.9	3.3	3.5	3.4	3.2	3.0	3.0	3.1
64°	2.6	2.6	2.6	2.7	3.1	3.2	3.1	2.9	2.8	2.8	2.8
64.5°	2.4	2.4	2.4	2.5	2.8	3.0	2.9	2.7	2.6	2.6	2.6
65°	2.3	2.2	2.2	2.3	2.6	2.8	2.7	2.5	2.4	2.4	2.4
65.5°	2.1	2.1	2.1	2.2	2.5	2.6	2.5	2.3	2.2	2.2	2.3
66°	1.9	1.9	1.9	2.0	2.3	2.4	2.3	2.2	2.1	2.0	2.1
66.5°	1.8	1.8	1.8	1.9	2.1	2.2	2.2	2.0	1.9	1.9	2.0
67°	1.7	1.6	1.7	1.7	2.0	2.1	2.0	1.9	1.8	1.8	1.8

TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	1.6	1.5	1.5	1.6	1.8	1.9	1.9	1.7	1.7	1.6	1.7
68°	1.4	1.4	1.4	1.5	1.7	1.8	1.7	1.6	1.5	1.5	1.6
68.5°	1.3	1.3	1.3	1.4	1.6	1.7	1.6	1.5	1.4	1.4	1.5
69°	1.2	1.2	1.2	1.3	1.5	1.6	1.5	1.4	1.3	1.3	1.4
69.5°	1.1	1.1	1.1	1.2	1.4	1.5	1.4	1.3	1.2	1.2	1.3
70°	1.1	1.0	1.1	1.1	1.3	1.4	1.3	1.2	1.2	1.1	1.2
70.5°	1.0	1.0	1.0	1.0	1.2	1.3	1.2	1.1	1.1	1.1	1.1
71°	0.9	0.9	0.9	1.0	1.1	1.2	1.1	1.0	1.0	1.0	1.0
71.5°	0.8	0.8	0.8	0.9	1.0	1.1	1.0	1.0	0.9	0.9	0.9
72°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	0.9	0.8	0.8	0.9
72.5°	0.7	0.7	0.7	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8
73°	0.7	0.6	0.7	0.7	0.8	0.9	0.8	0.8	0.7	0.7	0.7
73.5°	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.7	0.7	0.7	0.7
74°	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6
74.5°	0.5	0.5	0.5	0.5	0.6	0.7	0.6	0.6	0.6	0.6	0.6
75°	0.5	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
75.5°	0.4	0.4	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5
76°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4
76.5°	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4
77°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.4
77.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3
78°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
78.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.3
79°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2
79.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
81°	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
81.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82°	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.1
83°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	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: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	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	0.0	0.0
124°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1
124.5°	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
130°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
130.5°	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
131°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
131.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
132°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
132.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
133°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
133.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
134°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
134.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3

TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
135.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
136°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
136.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
137°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
137.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
138°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
138.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
139°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
139.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
140°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
140.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
141°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
141.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5
142°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5
142.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
143°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
143.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
144°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
144.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
145°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.6
145.5°	0.4	0.3	0.3	0.3	0.5	0.5	0.5	0.6	0.6	0.6	0.6
146°	0.4	0.4	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
146.5°	0.4	0.4	0.3	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
147°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
147.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
148°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
148.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.7
149°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.7	0.7	0.7	0.7
149.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
150°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
150.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
151°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
151.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
152°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
152.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.8	0.8	0.8
153°	0.4	0.4	0.4	0.4	0.7	0.8	0.8	0.8	0.8	0.8	0.8
153.5°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
154°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
154.5°	0.5	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
155°	0.5	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
155.5°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
156°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
156.5°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
157°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.9	0.9

TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.5	0.5	0.5	0.4	0.8	0.8	0.8	0.9	0.9	0.9	0.9
158°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
158.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
159°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
159.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
161°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
161.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
162°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
162.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
163°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
163.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
164°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
164.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
165°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
165.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
166°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
166.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
167°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
167.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
168°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
168.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
169°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
169.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
170°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
170.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
171°	0.5	0.5	0.5	0.5	0.8	0.9	0.9	0.9	0.9	0.9	0.9
171.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.9	0.9	0.9	0.9	0.8
172°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.9	0.8	0.8	0.8
172.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
173°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
173.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
174°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
174.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
175°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
175.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
176°	0.5	0.5	0.5	0.5	0.7	0.7	0.8	0.8	0.8	0.8	0.8
176.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.8	0.8	0.8	0.7	0.7
177°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
177.5°	0.6	0.6	0.6	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
178°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
178.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
179°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
179.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7



TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1758.8	1758.8	1758.8	1758.8	1758.8	1758.8
0.5°	1759.0	1757.7	1758.4	1759.0	1758.8	1759.1
1°	1758.5	1757.3	1757.9	1758.2	1758.1	1758.4
1.5°	1757.7	1756.5	1757.3	1757.1	1756.8	1757.4
2°	1756.8	1755.6	1755.9	1755.3	1755.1	1756.2
2.5°	1755.1	1754.5	1754.5	1753.4	1753.3	1754.7
3°	1753.6	1753.4	1753.0	1750.8	1750.2	1753.0
3.5°	1751.3	1751.6	1750.6	1747.7	1746.6	1750.2
4°	1748.6	1749.3	1748.0	1744.0	1742.8	1747.1
4.5°	1745.1	1746.6	1744.9	1740.0	1738.4	1743.2
5°	1741.4	1743.4	1741.5	1735.4	1733.5	1739.1
5.5°	1737.5	1739.8	1737.7	1730.7	1728.4	1734.3
6°	1733.0	1735.7	1733.5	1725.9	1722.8	1729.3
6.5°	1728.1	1731.2	1728.7	1721.0	1717.7	1723.6
7°	1722.8	1725.5	1723.6	1715.7	1711.9	1717.6
7.5°	1717.1	1719.4	1717.4	1710.5	1706.3	1710.9
8°	1710.6	1712.3	1710.8	1704.0	1700.1	1704.3
8.5°	1703.8	1704.3	1703.1	1697.7	1693.6	1696.6
9°	1695.7	1694.7	1694.4	1689.9	1686.4	1688.4
9.5°	1686.7	1684.2	1684.4	1681.6	1678.4	1679.3
10°	1676.2	1671.7	1672.8	1671.4	1669.6	1669.9
10.5°	1664.1	1658.0	1659.4	1660.6	1659.7	1659.4
11°	1650.7	1642.4	1644.5	1647.6	1648.4	1647.6
11.5°	1634.8	1624.9	1627.7	1632.9	1635.6	1634.8
12°	1618.0	1606.2	1609.8	1616.3	1620.6	1620.4
12.5°	1599.9	1587.7	1591.1	1599.1	1604.5	1605.6
13°	1581.5	1568.1	1571.6	1580.7	1588.3	1590.0
13.5°	1562.5	1549.1	1552.2	1561.9	1571.0	1573.8
14°	1543.1	1528.8	1532.4	1542.6	1552.8	1557.0
14.5°	1523.3	1508.9	1512.5	1523.6	1534.4	1540.0
15°	1503.5	1488.4	1492.2	1503.6	1515.7	1522.5
15.5°	1484.2	1468.8	1472.7	1484.8	1496.5	1504.5
16°	1465.1	1449.5	1453.7	1465.3	1477.4	1486.7
16.5°	1445.7	1431.0	1434.8	1446.6	1459.4	1468.9
17°	1427.2	1411.7	1415.6	1428.1	1440.5	1450.6
17.5°	1408.8	1392.8	1397.4	1409.2	1422.2	1431.9
18°	1390.4	1373.8	1378.4	1390.5	1403.1	1413.3
18.5°	1371.5	1355.1	1359.7	1372.3	1384.5	1394.8
19°	1353.7	1336.5	1341.7	1353.9	1365.6	1376.4
19.5°	1336.4	1317.5	1323.5	1335.8	1347.4	1358.2
20°	1319.0	1299.8	1306.0	1317.7	1328.6	1339.6
20.5°	1301.7	1281.2	1287.8	1300.2	1310.4	1321.2
21°	1284.3	1263.6	1269.9	1281.7	1291.8	1302.7
21.5°	1266.9	1245.2	1252.0	1263.5	1273.1	1284.3
22°	1249.1	1227.3	1234.1	1245.1	1254.8	1265.0

TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1230.7	1208.6	1215.2	1226.7	1235.3	1245.6
23°	1210.5	1188.7	1194.9	1206.7	1214.6	1224.6
23.5°	1188.8	1167.1	1173.7	1185.6	1193.9	1203.6
24°	1166.6	1143.9	1151.2	1163.0	1171.4	1181.4
24.5°	1143.7	1118.4	1127.8	1138.7	1147.7	1158.9
25°	1119.7	1094.4	1103.2	1113.7	1122.9	1135.5
25.5°	1094.6	1069.8	1078.4	1087.6	1098.1	1112.4
26°	1069.4	1045.5	1053.2	1060.8	1072.5	1089.0
26.5°	1043.2	1020.0	1027.6	1033.9	1046.3	1066.3
27°	1016.3	996.1	1001.7	1006.5	1019.0	1041.7
27.5°	989.1	971.5	974.9	979.2	992.3	1017.6
28°	961.2	946.1	948.2	952.2	966.9	992.5
28.5°	933.6	920.6	921.9	925.5	941.5	967.4
29°	906.9	894.8	895.6	899.5	916.6	941.0
29.5°	880.7	868.0	869.3	873.8	892.0	915.2
30°	854.5	840.9	842.1	848.6	867.9	887.7
30.5°	828.1	812.9	815.2	823.2	843.0	861.3
31°	802.6	786.1	788.3	797.8	818.3	834.7
31.5°	776.9	758.6	761.8	772.4	793.1	808.5
32°	751.8	731.9	735.7	746.9	767.1	782.0
32.5°	726.7	705.6	709.9	721.4	741.1	756.4
33°	701.5	679.9	684.9	695.8	714.9	730.7
33.5°	676.1	653.5	660.3	669.7	688.4	704.9
34°	651.2	624.6	637.1	644.9	661.8	679.4
34.5°	626.4	601.3	613.0	621.2	636.3	653.6
35°	602.4	578.0	589.0	597.5	612.2	623.5
35.5°	578.2	554.8	564.8	573.9	588.0	599.6
36°	555.1	531.6	540.7	550.2	563.9	575.7
36.5°	531.8	509.1	516.7	526.6	539.7	551.8
37°	508.9	486.8	493.8	504.3	515.6	527.9
37.5°	486.4	465.2	471.2	482.3	493.2	503.2
38°	464.4	444.6	448.9	461.0	471.0	478.9
38.5°	443.1	424.2	427.3	439.4	448.6	455.4
39°	422.2	404.6	407.7	418.5	427.0	432.9
39.5°	401.6	384.6	387.8	397.2	405.2	410.6
40°	381.1	365.1	368.2	376.7	383.6	388.9
40.5°	361.7	346.7	349.4	356.3	362.0	368.4
41°	342.6	328.8	331.5	336.6	341.8	348.3
41.5°	324.2	311.5	313.7	317.6	321.4	328.5
42°	306.2	294.9	296.5	299.2	302.4	310.0
42.5°	288.4	278.9	279.8	280.5	283.5	292.1
43°	271.6	263.4	263.6	263.8	266.0	274.6
43.5°	255.3	248.2	248.0	246.5	248.7	257.4
44°	239.8	233.7	233.0	230.1	232.2	241.5
44.5°	224.8	219.5	218.6	214.0	216.1	225.7

TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	210.3	205.9	204.6	199.0	200.7	210.6
45.5°	196.4	192.8	191.4	184.3	186.3	196.0
46°	183.1	180.4	178.8	170.5	172.5	182.7
46.5°	170.6	168.1	166.5	157.3	159.1	169.3
47°	159.1	156.4	154.8	145.3	146.6	156.8
47.5°	147.6	145.2	143.4	134.0	135.0	144.6
48°	136.2	134.4	132.7	123.4	124.3	133.6
48.5°	124.7	124.4	122.5	113.8	114.4	122.6
49°	114.7	114.6	112.8	104.9	104.8	112.6
49.5°	105.1	105.2	103.5	96.6	96.6	103.0
50°	96.4	96.3	94.5	88.8	88.5	93.7
50.5°	87.9	87.7	86.3	81.4	81.0	84.8
51°	80.0	79.6	78.4	74.5	73.8	76.8
51.5°	72.6	71.9	71.0	67.8	67.2	68.9
52°	65.6	64.6	63.9	61.4	61.4	61.7
52.5°	58.8	58.5	58.0	55.6	55.5	55.5
53°	52.4	52.4	52.0	49.9	49.6	49.2
53.5°	46.5	46.3	46.1	44.2	43.6	43.0
54°	40.8	40.2	40.2	38.5	37.7	36.8
54.5°	35.4	34.1	34.2	33.6	32.7	31.8
55°	30.7	29.4	29.7	29.2	28.2	27.3
55.5°	26.6	25.4	25.6	25.1	24.3	23.2
56°	22.5	21.2	21.5	21.1	20.3	19.2
56.5°	19.8	17.4	17.8	17.4	16.6	15.6
57°	17.1	14.3	14.6	14.2	13.5	12.6
57.5°	14.5	12.0	12.2	11.9	11.2	10.4
58°	11.8	10.2	10.5	10.1	9.5	8.8
58.5°	9.1	8.8	9.1	8.8	8.2	7.6
59°	7.9	7.8	8.0	7.7	7.1	6.7
59.5°	7.0	6.9	7.1	6.8	6.3	6.1
60°	6.3	6.4	6.4	6.3	5.8	5.5
60.5°	5.6	5.9	5.9	5.8	5.3	5.0
61°	5.1	5.4	5.4	5.3	4.8	4.4
61.5°	4.6	4.9	5.0	4.8	4.3	4.0
62°	4.2	4.4	4.5	4.3	4.0	3.7
62.5°	3.9	4.0	4.2	4.0	3.6	3.4
63°	3.6	3.7	3.8	3.7	3.3	3.1
63.5°	3.3	3.4	3.6	3.4	3.1	2.9
64°	3.0	3.2	3.3	3.1	2.8	2.6
64.5°	2.8	2.9	3.1	2.9	2.6	2.4
65°	2.6	2.7	2.8	2.7	2.4	2.3
65.5°	2.4	2.5	2.6	2.5	2.3	2.1
66°	2.3	2.4	2.5	2.3	2.1	1.9
66.5°	2.1	2.2	2.3	2.2	1.9	1.8
67°	2.0	2.0	2.1	2.0	1.8	1.7

TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	1.8	1.9	2.0	1.9	1.7	1.6
68°	1.7	1.8	1.8	1.7	1.5	1.4
68.5°	1.6	1.6	1.7	1.6	1.4	1.3
69°	1.5	1.5	1.6	1.5	1.3	1.2
69.5°	1.4	1.4	1.5	1.4	1.2	1.1
70°	1.3	1.3	1.4	1.3	1.2	1.1
70.5°	1.2	1.2	1.3	1.2	1.1	1.0
71°	1.1	1.1	1.2	1.1	1.0	0.9
71.5°	1.0	1.1	1.1	1.0	0.9	0.8
72°	0.9	1.0	1.0	1.0	0.8	0.8
72.5°	0.9	0.9	0.9	0.9	0.8	0.7
73°	0.8	0.8	0.9	0.8	0.7	0.7
73.5°	0.7	0.8	0.8	0.8	0.7	0.6
74°	0.7	0.7	0.7	0.7	0.6	0.5
74.5°	0.6	0.7	0.7	0.6	0.6	0.5
75°	0.6	0.6	0.6	0.6	0.5	0.5
75.5°	0.5	0.6	0.6	0.5	0.5	0.4
76°	0.5	0.5	0.5	0.5	0.4	0.4
76.5°	0.4	0.5	0.5	0.4	0.4	0.3
77°	0.4	0.4	0.4	0.4	0.3	0.3
77.5°	0.4	0.4	0.4	0.4	0.3	0.3
78°	0.3	0.3	0.4	0.3	0.3	0.2
78.5°	0.3	0.3	0.3	0.3	0.2	0.2
79°	0.3	0.3	0.3	0.3	0.2	0.2
79.5°	0.2	0.2	0.3	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.1
80.5°	0.2	0.2	0.2	0.2	0.1	0.1
81°	0.1	0.2	0.2	0.1	0.1	0.1
81.5°	0.1	0.1	0.1	0.1	0.1	0.1
82°	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	0.1	0.1	0.1	0.1	0.0	0.0
83°	0.1	0.1	0.1	0.1	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0
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: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.3	0.2	0.2	0.2	0.2	0.2
135.5°	0.3	0.2	0.2	0.2	0.2	0.2
136°	0.3	0.2	0.2	0.2	0.2	0.2
136.5°	0.3	0.2	0.2	0.2	0.2	0.2
137°	0.3	0.3	0.3	0.2	0.2	0.2
137.5°	0.3	0.3	0.3	0.3	0.2	0.2
138°	0.4	0.3	0.3	0.3	0.3	0.3
138.5°	0.4	0.3	0.3	0.3	0.3	0.3
139°	0.4	0.3	0.3	0.3	0.3	0.3
139.5°	0.4	0.3	0.3	0.3	0.3	0.3
140°	0.4	0.3	0.3	0.3	0.3	0.3
140.5°	0.4	0.3	0.3	0.3	0.3	0.3
141°	0.4	0.3	0.3	0.3	0.3	0.3
141.5°	0.5	0.3	0.3	0.3	0.3	0.3
142°	0.5	0.3	0.3	0.3	0.3	0.3
142.5°	0.5	0.3	0.3	0.3	0.3	0.3
143°	0.5	0.3	0.3	0.3	0.3	0.3
143.5°	0.5	0.3	0.3	0.3	0.3	0.3
144°	0.5	0.3	0.3	0.3	0.3	0.3
144.5°	0.5	0.3	0.3	0.3	0.3	0.3
145°	0.6	0.4	0.4	0.4	0.3	0.3
145.5°	0.6	0.4	0.4	0.4	0.4	0.4
146°	0.6	0.4	0.4	0.4	0.4	0.4
146.5°	0.6	0.4	0.4	0.4	0.4	0.4
147°	0.6	0.4	0.4	0.4	0.4	0.4
147.5°	0.6	0.4	0.4	0.4	0.4	0.4
148°	0.6	0.4	0.4	0.4	0.4	0.4
148.5°	0.7	0.4	0.4	0.4	0.4	0.4
149°	0.7	0.4	0.4	0.4	0.4	0.4
149.5°	0.7	0.4	0.4	0.4	0.4	0.4
150°	0.7	0.4	0.4	0.4	0.4	0.4
150.5°	0.7	0.4	0.4	0.4	0.4	0.4
151°	0.7	0.4	0.4	0.4	0.4	0.4
151.5°	0.7	0.4	0.4	0.4	0.4	0.4
152°	0.7	0.4	0.4	0.4	0.4	0.4
152.5°	0.8	0.4	0.4	0.4	0.4	0.4
153°	0.8	0.4	0.4	0.4	0.4	0.4
153.5°	0.8	0.4	0.4	0.4	0.4	0.4
154°	0.8	0.4	0.4	0.5	0.4	0.4
154.5°	0.8	0.4	0.4	0.5	0.5	0.5
155°	0.8	0.4	0.4	0.5	0.5	0.5
155.5°	0.8	0.4	0.5	0.5	0.5	0.5
156°	0.8	0.4	0.5	0.5	0.5	0.5
156.5°	0.8	0.5	0.5	0.5	0.5	0.5
157°	0.8	0.5	0.5	0.5	0.5	0.5

TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.9	0.5	0.5	0.5	0.5	0.5
158°	0.9	0.5	0.5	0.5	0.5	0.5
158.5°	0.9	0.5	0.5	0.5	0.5	0.5
159°	0.9	0.5	0.5	0.5	0.5	0.5
159.5°	0.9	0.5	0.5	0.5	0.5	0.5
160°	0.9	0.5	0.5	0.5	0.5	0.5
160.5°	0.9	0.5	0.5	0.5	0.5	0.5
161°	0.9	0.5	0.5	0.5	0.5	0.5
161.5°	0.9	0.5	0.5	0.5	0.5	0.5
162°	0.9	0.5	0.5	0.5	0.5	0.5
162.5°	0.9	0.5	0.5	0.5	0.5	0.5
163°	0.9	0.5	0.5	0.5	0.5	0.5
163.5°	0.9	0.5	0.5	0.5	0.5	0.5
164°	0.9	0.5	0.5	0.5	0.5	0.5
164.5°	0.9	0.5	0.5	0.5	0.5	0.5
165°	0.9	0.5	0.5	0.5	0.5	0.5
165.5°	0.9	0.5	0.5	0.5	0.5	0.5
166°	0.9	0.5	0.5	0.5	0.5	0.5
166.5°	0.9	0.5	0.5	0.5	0.5	0.5
167°	0.9	0.5	0.5	0.5	0.5	0.5
167.5°	0.9	0.5	0.5	0.5	0.5	0.5
168°	0.9	0.5	0.5	0.5	0.5	0.5
168.5°	0.9	0.5	0.5	0.5	0.5	0.5
169°	0.9	0.5	0.5	0.5	0.5	0.5
169.5°	0.9	0.5	0.5	0.5	0.5	0.5
170°	0.9	0.5	0.5	0.5	0.5	0.5
170.5°	0.9	0.5	0.5	0.5	0.5	0.5
171°	0.9	0.5	0.5	0.5	0.5	0.5
171.5°	0.8	0.5	0.5	0.5	0.5	0.5
172°	0.8	0.5	0.5	0.5	0.5	0.5
172.5°	0.8	0.5	0.5	0.5	0.5	0.5
173°	0.8	0.5	0.5	0.5	0.5	0.5
173.5°	0.8	0.5	0.5	0.5	0.5	0.5
174°	0.8	0.5	0.5	0.5	0.5	0.5
174.5°	0.8	0.5	0.5	0.5	0.5	0.5
175°	0.8	0.5	0.5	0.5	0.5	0.5
175.5°	0.8	0.5	0.5	0.5	0.5	0.5
176°	0.8	0.5	0.5	0.5	0.5	0.5
176.5°	0.7	0.5	0.5	0.5	0.5	0.5
177°	0.7	0.5	0.6	0.6	0.6	0.5
177.5°	0.7	0.6	0.6	0.6	0.6	0.6
178°	0.7	0.6	0.6	0.6	0.6	0.6
178.5°	0.7	0.6	0.6	0.6	0.6	0.6
179°	0.7	0.6	0.6	0.6	0.6	0.6
179.5°	0.7	0.7	0.7	0.7	0.7	0.6



TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.7	0.7	0.7	0.7	0.7	0.7

TEST NUMBER: P1590476

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-5000K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	4.2	5.3	4.6	5.6	5.9	5.2	6.3	5.6	6.6	6.9
	3H	4.1	5.1	4.5	5.4	5.8	5.2	6.1	5.5	6.4	6.8
	4H	4.1	4.9	4.5	5.3	5.7	5.1	5.9	5.5	6.3	6.7
	6H	4.0	4.7	4.4	5.1	5.5	5.0	5.8	5.4	6.1	6.5
	8H	3.9	4.6	4.4	5.0	5.4	4.9	5.7	5.4	6.1	6.5
	12H	3.9	4.6	4.3	4.9	5.4	4.9	5.6	5.3	6.0	6.4
4H	2H	4.0	4.9	4.4	5.2	5.6	5.0	5.9	5.4	6.2	6.6
	3H	4.0	4.7	4.4	5.1	5.5	5.0	5.7	5.4	6.1	6.5
	4H	3.9	4.5	4.3	4.9	5.4	4.9	5.5	5.3	5.9	6.4
	6H	3.8	4.3	4.3	4.8	5.3	4.8	5.3	5.3	5.8	6.2
	8H	3.7	4.2	4.2	4.7	5.1	4.7	5.2	5.2	5.7	6.1
	12H	3.7	4.1	4.2	4.6	5.1	4.7	5.1	5.2	5.6	6.0
8H	4H	3.7	4.2	4.2	4.7	5.2	4.7	5.2	5.2	5.7	6.1
	6H	3.6	4.0	4.1	4.5	5.0	4.6	5.0	5.1	5.5	6.0
	8H	3.6	3.9	4.1	4.4	4.9	4.5	4.9	5.1	5.4	5.9
	12H	3.5	3.8	4.0	4.3	4.9	4.5	4.8	5.0	5.3	5.9
12H	4H	3.7	4.1	4.2	4.6	5.1	4.7	5.1	5.2	5.6	6.0
	6H	3.6	3.9	4.1	4.4	4.9	4.5	4.9	5.1	5.4	5.9
	8H	3.5	3.8	4.0	4.3	4.9	4.5	4.8	5.0	5.3	5.9

(END OF REPORT)