

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: P1590472

Luminaire Tested: HCDLS1525CSD4TRH-LO-2700K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590472
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-2700K
Description: 4" Selectable Round Trim+ Haze (Semi-specular) 1500 Lumens 2700K

Light Source:
Ballast/Driver: -

Summary

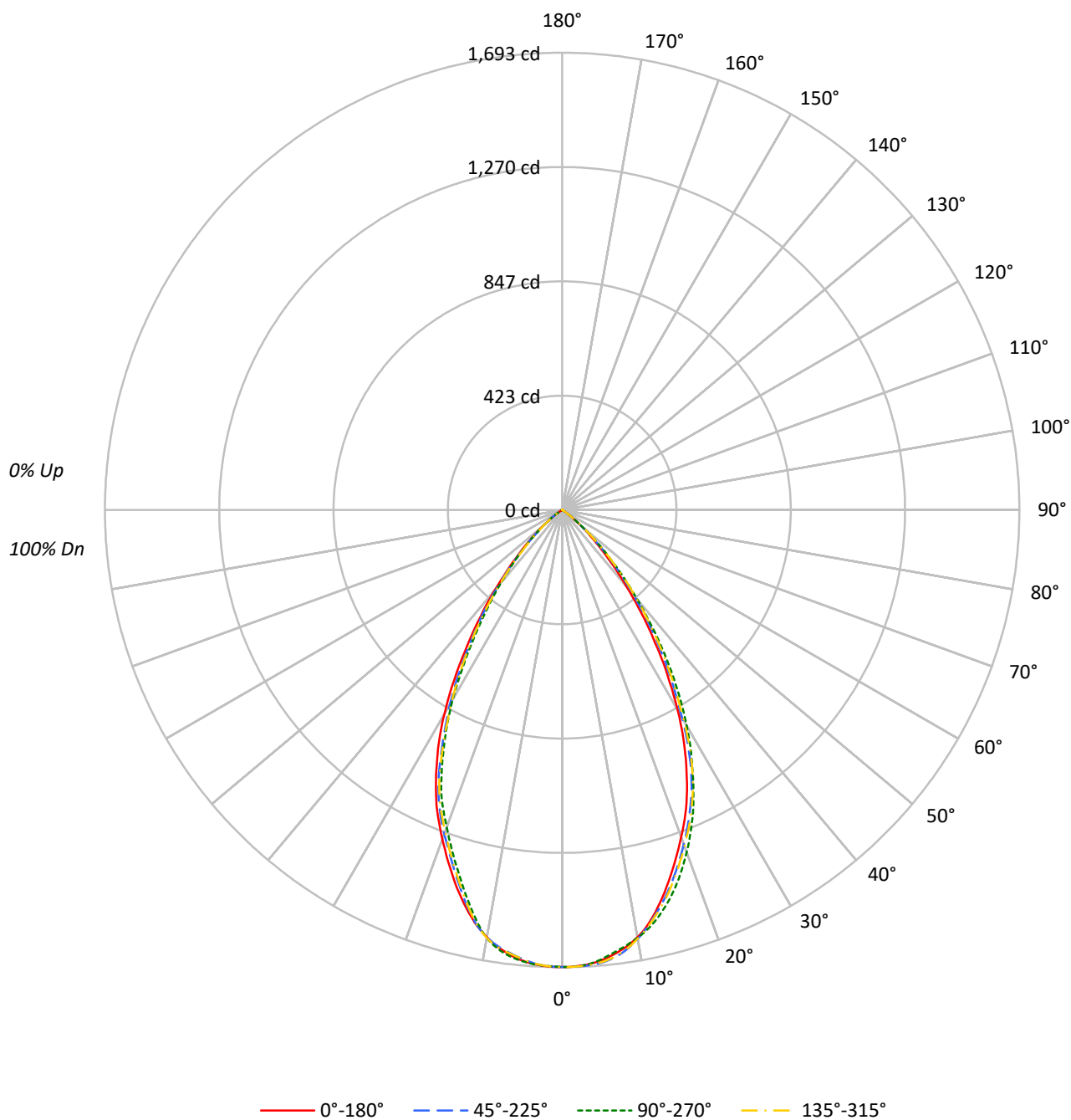
Lumens per Lamp: N/A
Luminaire Lumens: 1655.0 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

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°	208750	208750	208750	208750
5°	207183	206749	207430	207703
10°	201249	201500	201212	201462
15°	187076	192324	187714	182887
20°	169196	176967	170286	164156
25°	148699	156498	150482	143310
30°	121661	131432	124296	115238
35°	90331	101685	92244	83751
40°	60252	70010	62668	56565
45°	35341	42406	37382	34556
50°	17289	19842	18518	17788
55°	5634	5978	6000	6086
60°	1307	1455	1357	1505
65°	642	730	671	759
70°	361	433	397	469
75°	191	286	238	286
80°	71	142	142	142
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 42406 cd/sqm

TEST NUMBER: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.8	9.5
10°-20°	409.8	24.8
20°-30°	500.7	30.3
30°-40°	381.4	23.0
40°-50°	170.1	10.3
50°-60°	30.8	1.9
60°-70°	2.7	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°	1068.3	64.6
0°-40°	1449.8	87.6
0°-60°	1650.6	99.7
0°-90°	1654.0	99.9
90°-120°	0.0	0.0
90°-150°	0.5	0.0
90°-180°	1.0	0.1
0°-180°	1655.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1692	1692	1692	1692	1692	
5°	1673	1670	1675	1678	1673	158
15°	1465	1506	1470	1432	1465	409
25°	1093	1150	1106	1053	1093	497
35°	600	675	613	556	600	375
45°	203	243	214	198	203	161
55°	26	28	28	28	26	29
65°	2	2	2	3	2	2
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: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4
0.5°	1692.7	1692.1	1692.2	1692.7	1692.1	1692.2	1693.0	1692.7	1692.7	1692.1	1692.1
1°	1691.9	1691.9	1692.2	1692.7	1692.1	1692.2	1692.5	1692.5	1692.1	1691.5	1691.5
1.5°	1691.0	1691.3	1691.9	1692.1	1691.5	1691.9	1692.1	1691.9	1691.5	1690.6	1690.6
2°	1689.8	1690.4	1691.5	1691.3	1690.4	1690.9	1691.5	1691.3	1690.3	1688.9	1689.2
2.5°	1688.3	1689.8	1690.7	1690.0	1688.9	1689.4	1690.9	1690.4	1688.8	1687.2	1687.5
3°	1686.7	1688.9	1689.7	1688.2	1686.7	1687.6	1689.4	1689.4	1687.2	1684.6	1684.9
3.5°	1684.0	1687.9	1688.5	1686.0	1683.7	1685.2	1687.8	1687.9	1685.2	1681.5	1681.8
4°	1681.1	1686.4	1687.3	1683.0	1679.7	1682.0	1686.1	1686.4	1682.4	1677.6	1678.1
4.5°	1677.4	1684.3	1685.4	1679.3	1675.0	1677.9	1683.6	1684.3	1679.3	1673.2	1673.9
5°	1673.3	1681.8	1682.4	1674.7	1669.8	1673.0	1680.5	1682.0	1675.3	1668.3	1669.3
5.5°	1668.7	1678.4	1679.1	1669.9	1664.1	1668.0	1676.8	1678.7	1671.1	1662.9	1664.6
6°	1664.0	1674.2	1675.1	1664.4	1658.2	1662.3	1672.6	1674.8	1666.1	1657.4	1659.4
6.5°	1658.5	1669.5	1670.5	1658.9	1652.1	1656.5	1667.7	1670.2	1660.4	1651.8	1654.2
7°	1652.7	1663.7	1664.7	1653.0	1646.1	1650.6	1662.0	1664.7	1654.3	1645.7	1648.8
7.5°	1646.3	1657.1	1658.2	1646.6	1640.2	1644.2	1655.8	1658.3	1648.2	1639.6	1643.0
8°	1639.9	1650.0	1650.7	1639.6	1634.1	1637.7	1648.7	1650.7	1640.9	1633.4	1637.1
8.5°	1632.5	1641.8	1642.6	1632.3	1628.0	1631.3	1640.6	1642.9	1633.2	1626.4	1630.5
9°	1624.6	1632.8	1633.4	1624.7	1621.8	1624.0	1631.7	1633.7	1625.0	1619.2	1623.4
9.5°	1615.8	1622.8	1623.5	1616.6	1615.5	1616.4	1622.4	1623.5	1616.4	1611.4	1615.7
10°	1606.8	1612.3	1612.8	1607.8	1608.8	1608.2	1612.1	1612.8	1606.5	1603.0	1606.9
10.5°	1596.6	1600.8	1601.4	1598.4	1601.6	1599.9	1601.4	1601.1	1595.9	1593.1	1596.5
11°	1585.4	1588.8	1589.4	1588.5	1593.5	1590.7	1590.0	1589.4	1584.9	1582.7	1585.1
11.5°	1573.0	1575.7	1577.2	1578.1	1584.9	1581.2	1578.2	1576.9	1573.0	1571.1	1572.3
12°	1559.2	1562.2	1564.4	1566.5	1575.8	1570.9	1566.3	1564.0	1560.4	1557.6	1557.4
12.5°	1544.9	1548.2	1550.7	1555.3	1565.4	1559.6	1553.8	1550.6	1546.1	1543.0	1540.8
13°	1529.9	1534.1	1537.3	1543.1	1555.0	1548.5	1540.9	1536.3	1532.6	1527.8	1524.6
13.5°	1514.3	1519.1	1523.5	1531.0	1543.6	1537.1	1527.7	1522.5	1517.6	1511.8	1507.5
14°	1498.1	1503.8	1509.6	1517.7	1531.4	1524.4	1514.2	1507.6	1502.4	1495.3	1489.6
14.5°	1481.8	1488.3	1495.3	1504.7	1518.9	1511.6	1499.9	1492.9	1486.1	1478.2	1471.7
15°	1465.0	1472.6	1480.3	1490.8	1506.1	1498.0	1486.2	1477.8	1470.0	1460.9	1453.1
15.5°	1447.6	1456.4	1465.4	1476.4	1492.8	1484.2	1471.2	1462.3	1453.6	1443.4	1434.5
16°	1430.5	1439.8	1449.8	1461.0	1478.4	1469.6	1456.2	1446.1	1436.7	1425.2	1416.2
16.5°	1413.4	1423.5	1434.1	1446.1	1463.9	1454.6	1440.2	1429.7	1419.6	1407.3	1398.1
17°	1395.8	1406.9	1418.1	1430.6	1448.8	1439.2	1424.3	1413.1	1402.1	1389.5	1380.0
17.5°	1377.8	1390.0	1401.4	1414.6	1433.3	1423.4	1408.2	1395.8	1384.6	1371.6	1362.0
18°	1359.9	1372.7	1384.6	1397.8	1416.7	1407.4	1391.4	1378.9	1367.4	1353.9	1344.1
18.5°	1342.1	1355.1	1367.8	1381.1	1400.3	1390.6	1374.7	1362.1	1349.9	1336.1	1326.6
19°	1324.4	1337.6	1351.2	1364.3	1383.0	1373.7	1358.2	1345.0	1331.8	1318.7	1308.9
19.5°	1306.8	1320.2	1334.3	1347.1	1366.1	1356.7	1341.4	1327.3	1314.4	1301.5	1293.2
20°	1289.0	1302.5	1317.2	1329.9	1348.2	1339.8	1324.8	1310.6	1297.3	1284.3	1276.3
20.5°	1271.3	1285.3	1300.0	1312.5	1330.7	1322.5	1307.5	1294.1	1279.3	1267.0	1259.4
21°	1253.5	1267.3	1282.5	1294.6	1312.6	1304.4	1290.5	1276.9	1261.4	1249.8	1242.5
21.5°	1235.8	1249.6	1265.2	1276.5	1293.4	1285.7	1273.4	1259.7	1243.4	1232.5	1225.6
22°	1217.2	1231.3	1247.1	1257.5	1274.2	1267.0	1256.3	1242.4	1225.5	1215.3	1207.0

TEST NUMBER: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1198.5	1213.5	1229.0	1239.3	1255.0	1248.4	1239.2	1225.2	1209.0	1196.2	1188.6
23°	1178.3	1194.3	1210.7	1218.8	1235.8	1229.7	1222.2	1206.1	1189.5	1175.8	1169.3
23.5°	1158.1	1175.3	1192.1	1199.7	1216.6	1211.0	1202.8	1187.4	1169.3	1155.4	1148.9
24°	1136.8	1155.4	1172.5	1178.4	1194.2	1190.0	1183.9	1168.0	1148.3	1134.5	1126.8
24.5°	1115.1	1134.8	1153.4	1158.0	1172.5	1169.2	1164.3	1147.9	1127.2	1112.3	1103.8
25°	1092.6	1113.5	1133.2	1135.8	1149.9	1147.6	1144.2	1127.7	1105.7	1089.7	1079.9
25.5°	1070.4	1092.3	1112.6	1114.8	1127.9	1125.9	1123.4	1107.0	1083.9	1066.4	1055.0
26°	1047.8	1070.1	1091.1	1092.4	1105.8	1103.9	1102.2	1085.6	1062.0	1043.0	1028.7
26.5°	1026.0	1047.7	1069.1	1069.9	1083.3	1081.5	1080.0	1063.0	1039.3	1019.1	1002.4
27°	1002.4	1024.8	1045.2	1047.3	1060.7	1058.7	1057.0	1040.2	1016.9	994.7	976.6
27.5°	979.1	1001.8	1020.4	1024.3	1038.8	1036.4	1033.4	1016.9	994.4	969.6	951.4
28°	955.0	978.5	994.8	1000.9	1016.4	1013.7	1008.0	992.8	970.9	945.0	926.6
28.5°	930.9	953.2	968.1	976.7	993.7	990.1	982.7	968.2	947.1	919.9	901.5
29°	905.5	929.1	941.2	952.7	970.8	967.0	956.4	942.6	922.8	895.3	877.8
29.5°	880.6	903.8	913.2	928.5	947.4	943.0	929.5	916.1	897.9	871.1	853.9
30°	854.2	877.6	886.0	903.2	922.8	918.7	901.4	888.9	872.7	846.7	829.9
30.5°	828.7	850.2	859.0	877.0	898.3	893.3	873.9	861.4	846.5	822.1	805.6
31°	803.2	823.8	832.9	851.1	873.5	868.2	847.3	833.9	820.9	798.2	780.9
31.5°	777.9	795.9	807.4	825.0	848.8	842.5	821.3	806.2	794.4	774.3	756.2
32°	752.4	768.9	782.7	798.5	823.8	816.5	796.4	779.7	769.3	750.6	731.1
32.5°	727.8	741.3	758.0	772.5	799.6	790.7	771.4	753.8	742.1	726.3	706.2
33°	703.1	716.0	734.4	746.7	775.3	764.3	748.0	728.4	715.7	702.8	680.9
33.5°	678.2	689.2	710.3	720.7	750.6	738.4	724.0	703.7	689.1	678.2	655.5
34°	653.7	664.8	686.5	696.3	725.5	713.1	700.4	679.5	663.7	653.8	631.6
34.5°	628.9	639.4	661.9	672.0	700.4	688.2	676.8	655.6	637.5	629.1	607.2
35°	599.9	615.0	637.4	648.4	675.3	663.8	653.0	632.5	612.6	603.9	584.5
35.5°	576.9	591.5	613.8	625.4	650.4	639.8	628.8	608.5	588.3	579.2	562.3
36°	553.9	568.0	590.5	603.4	624.8	616.3	604.9	584.4	565.1	555.0	540.6
36.5°	530.9	544.5	567.2	580.5	599.9	592.5	581.1	560.7	540.9	531.1	518.6
37°	507.9	521.0	544.0	557.5	575.0	569.4	557.5	537.2	518.0	507.8	497.7
37.5°	484.2	497.6	520.7	534.6	550.6	546.5	534.1	513.3	495.6	484.6	476.3
38°	460.8	476.2	497.4	511.7	526.7	524.0	512.3	490.5	473.6	462.6	455.2
38.5°	438.2	454.4	475.9	489.0	502.7	501.2	490.2	468.4	451.7	441.1	433.8
39°	416.6	433.7	455.3	467.2	479.7	479.9	469.4	446.8	430.7	420.1	413.3
39.5°	395.1	412.8	434.1	445.3	457.0	457.6	448.6	426.1	409.8	398.6	392.7
40°	374.2	392.8	413.5	423.9	434.8	436.5	428.2	406.3	389.2	378.0	372.7
40.5°	354.4	373.6	393.4	402.9	413.3	414.3	407.7	386.4	368.8	357.8	352.9
41°	335.1	354.3	373.2	382.5	392.0	393.6	387.5	367.3	349.1	338.2	334.0
41.5°	316.1	335.4	352.9	362.6	371.7	372.7	367.5	348.7	330.1	319.0	315.8
42°	298.3	317.8	334.0	343.4	351.8	352.8	347.6	330.8	311.7	300.1	298.3
42.5°	281.1	300.0	315.0	324.3	332.6	332.8	327.9	312.7	294.0	282.2	280.5
43°	264.2	282.5	296.6	304.9	313.7	313.7	308.8	295.4	277.1	265.0	263.4
43.5°	247.7	264.9	278.4	286.2	295.1	294.6	290.2	278.1	260.1	248.4	246.2
44°	232.3	248.4	261.8	267.8	277.0	276.9	272.4	261.6	244.4	232.7	230.4
44.5°	217.2	232.3	245.1	250.0	259.6	258.9	254.8	244.9	229.0	217.5	214.0

TEST NUMBER: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	202.6	217.0	229.1	232.7	243.1	242.0	238.2	229.2	214.3	202.8	198.6
45.5°	188.6	201.8	213.7	215.7	226.3	224.9	222.1	213.8	200.1	188.8	183.5
46°	175.8	187.6	198.5	199.7	210.5	208.9	206.3	199.0	186.1	175.6	170.1
46.5°	162.9	173.4	183.6	184.1	194.9	193.0	191.4	184.4	173.2	164.0	158.0
47°	150.9	160.8	169.3	169.5	180.5	178.0	176.5	170.6	161.6	152.4	146.0
47.5°	139.2	147.9	155.4	155.3	167.3	164.9	163.5	158.3	150.2	140.8	134.0
48°	128.6	136.2	142.2	142.0	154.2	151.9	150.6	146.1	138.7	129.3	122.0
48.5°	118.0	124.4	129.5	129.5	141.0	138.8	137.7	133.9	127.2	117.7	112.2
49°	108.3	113.9	117.4	117.8	127.8	125.8	124.8	121.7	115.7	108.0	103.2
49.5°	99.1	103.7	105.8	106.8	114.7	112.8	111.8	109.6	105.9	98.9	95.0
50°	90.1	94.1	95.1	96.2	103.4	102.0	101.0	99.3	96.5	90.4	87.3
50.5°	81.6	84.5	85.2	86.2	92.6	91.7	90.8	89.6	87.7	82.3	80.0
51°	73.9	76.1	76.1	77.0	82.8	82.3	81.4	80.5	79.2	74.9	73.1
51.5°	66.3	68.0	67.6	68.5	73.6	73.4	72.7	72.0	71.3	67.9	66.7
52°	59.4	60.6	60.0	60.7	65.1	65.1	64.5	64.1	63.6	61.1	60.5
52.5°	53.4	54.5	53.9	54.4	57.1	57.4	56.9	56.6	56.4	54.8	54.4
53°	47.4	48.3	47.8	48.2	49.9	50.4	50.0	49.7	49.6	48.6	48.6
53.5°	41.4	42.2	41.7	42.0	43.2	43.7	43.6	43.3	43.5	42.8	43.1
54°	35.4	36.1	35.6	35.7	37.3	37.9	37.8	37.3	37.7	37.4	37.9
54.5°	30.6	30.0	29.5	29.6	32.2	32.7	32.7	32.1	32.5	32.5	33.1
55°	26.2	25.7	25.3	25.4	27.8	28.3	28.2	27.8	27.9	28.0	28.6
55.5°	22.4	21.8	21.4	21.3	23.8	24.2	24.2	23.7	23.9	24.1	24.6
56°	18.5	17.9	17.5	17.5	19.9	20.1	20.1	21.1	20.9	21.4	20.7
56.5°	15.0	14.4	14.1	14.2	17.6	17.8	17.8	18.5	18.0	18.7	18.1
57°	12.1	11.7	11.4	11.6	15.2	15.5	15.5	16.0	15.1	16.0	15.7
57.5°	10.0	9.7	9.5	9.7	12.9	13.2	13.2	13.4	12.2	13.3	13.2
58°	8.5	8.2	8.1	8.3	10.6	11.0	10.9	10.8	9.2	10.6	10.8
58.5°	7.3	7.1	7.0	7.2	8.3	8.7	8.6	8.2	8.0	8.0	8.3
59°	6.4	6.2	6.2	6.4	7.4	7.7	7.6	7.2	7.0	6.9	7.2
59.5°	5.9	5.7	5.7	5.8	6.6	6.8	6.7	6.4	6.2	6.1	6.3
60°	5.3	5.2	5.2	5.3	5.9	6.1	6.0	5.7	5.5	5.5	5.6
60.5°	4.8	4.7	4.7	4.8	5.3	5.6	5.5	5.2	4.9	4.9	5.1
61°	4.3	4.2	4.1	4.3	4.9	5.0	5.0	4.7	4.5	4.4	4.6
61.5°	3.9	3.8	3.8	3.9	4.4	4.6	4.5	4.3	4.1	4.0	4.2
62°	3.5	3.5	3.5	3.6	4.1	4.2	4.2	3.9	3.7	3.7	3.8
62.5°	3.3	3.2	3.2	3.3	3.7	3.9	3.8	3.6	3.4	3.4	3.5
63°	3.0	2.9	2.9	3.1	3.4	3.6	3.5	3.3	3.1	3.1	3.2
63.5°	2.8	2.7	2.7	2.8	3.2	3.3	3.3	3.0	2.9	2.9	3.0
64°	2.5	2.5	2.5	2.6	3.0	3.1	3.0	2.8	2.7	2.7	2.7
64.5°	2.4	2.3	2.3	2.4	2.7	2.9	2.8	2.6	2.5	2.5	2.5
65°	2.2	2.1	2.2	2.3	2.5	2.7	2.6	2.4	2.3	2.3	2.4
65.5°	2.0	2.0	2.0	2.1	2.4	2.5	2.4	2.3	2.1	2.1	2.2
66°	1.9	1.8	1.9	1.9	2.2	2.3	2.2	2.1	2.0	2.0	2.0
66.5°	1.7	1.7	1.7	1.8	2.0	2.2	2.1	1.9	1.9	1.8	1.9
67°	1.6	1.6	1.6	1.7	1.9	2.0	1.9	1.8	1.7	1.7	1.8

TEST NUMBER: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	1.5	1.5	1.5	1.6	1.8	1.9	1.8	1.7	1.6	1.6	1.6
68°	1.4	1.4	1.4	1.5	1.7	1.7	1.7	1.6	1.5	1.5	1.5
68.5°	1.3	1.3	1.3	1.4	1.5	1.6	1.6	1.5	1.4	1.4	1.4
69°	1.2	1.2	1.2	1.3	1.4	1.5	1.5	1.3	1.3	1.3	1.3
69.5°	1.1	1.1	1.1	1.2	1.3	1.4	1.4	1.3	1.2	1.2	1.2
70°	1.0	1.0	1.0	1.1	1.2	1.3	1.3	1.2	1.1	1.1	1.1
70.5°	0.9	0.9	0.9	1.0	1.2	1.2	1.2	1.1	1.0	1.0	1.1
71°	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.0	1.0	0.9	1.0
71.5°	0.8	0.8	0.8	0.9	1.0	1.0	1.0	0.9	0.9	0.9	0.9
72°	0.7	0.7	0.7	0.8	0.9	1.0	0.9	0.9	0.8	0.8	0.8
72.5°	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.8	0.8	0.7	0.8
73°	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7
73.5°	0.6	0.6	0.6	0.6	0.7	0.8	0.7	0.7	0.6	0.6	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	0.5	0.5	0.6
75°	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
75.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.5
76°	0.4	0.3	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	0.4	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	0.3
77.5°	0.3	0.2	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	0.2	0.2	0.2	0.2
79°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2
79.5°	0.2	0.1	0.1	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	0.1	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°	0.0	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	0.0	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: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-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	0.0	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: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.5°	0.0	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	0.0	0.0	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	0.0	0.1
124.5°	0.1	0.1	0.1	0.1	0.0	0.0	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	0.1
130°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
130.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
131°	0.2	0.2	0.1	0.1	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	0.2
134.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3

TEST NUMBER: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

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	0.2	0.2	0.2	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°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
138.5°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
139°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	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	0.4
142°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
142.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	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	0.5
145.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
146°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.6
146.5°	0.4	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
147°	0.4	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
147.5°	0.4	0.4	0.3	0.3	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	0.6
149°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
149.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.7	0.7
150°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	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	0.7	0.7	0.7
153°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
153.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.8	0.7
154°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.8	0.8	0.8	0.8
154.5°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
155°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
155.5°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
156°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
156.5°	0.5	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
157°	0.5	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8

TEST NUMBER: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

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	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
158°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
158.5°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.9	0.8
159°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.9	0.9	0.9
159.5°	0.5	0.5	0.5	0.4	0.8	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.5	0.5	0.5	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160.5°	0.5	0.5	0.5	0.4	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	0.8	0.8	0.9	0.9	0.9	0.9	0.9
170°	0.5	0.5	0.5	0.5	0.8	0.8	0.9	0.9	0.9	0.8	0.8
170.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
171°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
171.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
172°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	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	0.7	0.8	0.8	0.8	0.8	0.8	0.8
175°	0.5	0.5	0.5	0.5	0.7	0.7	0.8	0.8	0.8	0.7	0.7
175.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.8	0.7	0.7	0.7	0.7
176°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
176.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	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°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
178°	0.6	0.6	0.5	0.5	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	0.6	0.6



TEST NUMBER: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

TEST NUMBER: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1692.4	1692.4	1692.4	1692.4	1692.4	1692.4
0.5°	1692.5	1691.3	1691.9	1692.5	1692.4	1692.7
1°	1692.1	1690.9	1691.5	1691.8	1691.6	1691.9
1.5°	1691.3	1690.1	1690.9	1690.7	1690.4	1691.0
2°	1690.4	1689.2	1689.5	1688.9	1688.8	1689.8
2.5°	1688.8	1688.2	1688.2	1687.2	1687.0	1688.3
3°	1687.3	1687.2	1686.7	1684.6	1684.0	1686.7
3.5°	1685.1	1685.4	1684.5	1681.7	1680.6	1684.0
4°	1682.6	1683.1	1682.0	1678.1	1676.9	1681.1
4.5°	1679.1	1680.6	1679.0	1674.2	1672.7	1677.4
5°	1675.6	1677.5	1675.7	1669.8	1668.0	1673.3
5.5°	1671.9	1674.1	1672.0	1665.3	1663.1	1668.7
6°	1667.5	1670.1	1668.0	1660.7	1657.7	1664.0
6.5°	1662.8	1665.8	1663.4	1655.9	1652.8	1658.5
7°	1657.7	1660.3	1658.5	1650.9	1647.2	1652.7
7.5°	1652.2	1654.5	1652.5	1645.8	1641.8	1646.3
8°	1646.0	1647.6	1646.1	1639.6	1635.9	1639.9
8.5°	1639.5	1639.9	1638.7	1633.5	1629.6	1632.5
9°	1631.6	1630.7	1630.4	1626.1	1622.7	1624.6
9.5°	1623.0	1620.6	1620.7	1618.1	1614.9	1615.8
10°	1612.8	1608.5	1609.6	1608.2	1606.5	1606.8
10.5°	1601.3	1595.3	1596.6	1597.8	1596.9	1596.6
11°	1588.3	1580.3	1582.4	1585.4	1586.1	1585.4
11.5°	1573.0	1563.5	1566.2	1571.2	1573.8	1573.0
12°	1556.8	1545.5	1548.9	1555.2	1559.3	1559.2
12.5°	1539.4	1527.7	1531.0	1538.7	1543.9	1544.9
13°	1521.7	1508.8	1512.2	1521.0	1528.3	1529.9
13.5°	1503.5	1490.5	1493.5	1502.9	1511.6	1514.3
14°	1484.8	1471.0	1474.5	1484.3	1494.1	1498.1
14.5°	1465.7	1451.9	1455.4	1466.0	1476.4	1481.8
15°	1446.7	1432.2	1435.9	1446.7	1458.4	1465.0
15.5°	1428.1	1413.3	1417.1	1428.7	1440.0	1447.6
16°	1409.7	1394.7	1398.8	1409.9	1421.6	1430.5
16.5°	1391.1	1376.9	1380.6	1392.0	1404.2	1413.4
17°	1373.2	1358.4	1362.1	1374.1	1386.0	1395.8
17.5°	1355.5	1340.2	1344.6	1355.9	1368.4	1377.8
18°	1337.9	1321.9	1326.3	1338.0	1350.1	1359.9
18.5°	1319.7	1303.9	1308.3	1320.4	1332.2	1342.1
19°	1302.6	1286.0	1291.0	1302.7	1314.0	1324.4
19.5°	1285.9	1267.7	1273.5	1285.3	1296.5	1306.8
20°	1269.2	1250.6	1256.6	1267.9	1278.4	1289.0
20.5°	1252.5	1232.8	1239.1	1251.0	1260.9	1271.3
21°	1235.8	1215.9	1221.9	1233.2	1243.0	1253.5
21.5°	1219.1	1198.2	1204.7	1215.8	1225.0	1235.8
22°	1201.9	1180.9	1187.4	1198.0	1207.4	1217.2

TEST NUMBER: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1184.1	1162.9	1169.3	1180.3	1188.6	1198.5
23°	1164.8	1143.8	1149.7	1161.1	1168.7	1178.3
23.5°	1143.8	1123.0	1129.4	1140.8	1148.7	1158.1
24°	1122.6	1100.6	1107.7	1119.0	1127.1	1136.8
24.5°	1100.5	1076.2	1085.1	1095.7	1104.3	1115.1
25°	1077.4	1053.0	1061.5	1071.6	1080.4	1092.6
25.5°	1053.2	1029.4	1037.7	1046.5	1056.6	1070.4
26°	1029.0	1006.0	1013.4	1020.7	1032.0	1047.8
26.5°	1003.8	981.5	988.8	994.8	1006.8	1026.0
27°	977.9	958.4	963.9	968.5	980.5	1002.4
27.5°	951.7	934.8	938.1	942.2	954.8	979.1
28°	924.8	910.4	912.4	916.3	930.4	955.0
28.5°	898.4	885.8	887.1	890.5	905.9	930.9
29°	872.7	861.0	861.8	865.5	882.0	905.5
29.5°	847.4	835.2	836.4	840.8	858.3	880.6
30°	822.2	809.1	810.3	816.6	835.1	854.2
30.5°	796.8	782.2	784.4	792.1	811.2	828.7
31°	772.3	756.4	758.5	767.6	787.4	803.2
31.5°	747.6	729.9	733.0	743.2	763.1	777.9
32°	723.4	704.2	707.9	718.7	738.1	752.4
32.5°	699.2	679.0	683.1	694.1	713.1	727.8
33°	675.0	654.2	659.0	669.5	687.9	703.1
33.5°	650.6	628.8	635.4	644.4	662.4	678.2
34°	626.6	601.0	613.1	620.5	636.8	653.7
34.5°	602.7	578.6	589.9	597.7	612.3	628.9
35°	579.6	556.2	566.7	574.9	589.0	599.9
35.5°	556.3	533.8	543.5	552.2	565.8	576.9
36°	534.2	511.5	520.3	529.4	542.6	553.9
36.5°	511.7	489.8	497.1	506.7	519.3	530.9
37°	489.7	468.4	475.1	485.3	496.1	507.9
37.5°	468.0	447.6	453.4	464.0	474.5	484.2
38°	446.8	427.8	432.0	443.6	453.2	460.8
38.5°	426.3	408.2	411.2	422.8	431.6	438.2
39°	406.3	389.3	392.3	402.6	410.9	416.6
39.5°	386.4	370.0	373.1	382.2	389.9	395.1
40°	366.7	351.3	354.3	362.5	369.1	374.2
40.5°	348.0	333.6	336.2	342.8	348.4	354.4
41°	329.6	316.4	318.9	323.8	328.9	335.1
41.5°	311.9	299.8	301.9	305.6	309.3	316.1
42°	294.6	283.7	285.3	287.9	290.9	298.3
42.5°	277.5	268.4	269.3	269.9	272.8	281.1
43°	261.3	253.5	253.6	253.9	256.0	264.2
43.5°	245.6	238.9	238.6	237.2	239.3	247.7
44°	230.8	224.8	224.2	221.4	223.5	232.3
44.5°	216.3	211.2	210.4	205.9	208.0	217.2

TEST NUMBER: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	202.3	198.1	196.9	191.5	193.1	202.6
45.5°	189.0	185.5	184.2	177.3	179.2	188.6
46°	176.2	173.6	172.0	164.0	165.9	175.8
46.5°	164.1	161.8	160.2	151.4	153.1	162.9
47°	153.1	150.5	148.9	139.8	141.0	150.9
47.5°	142.1	139.7	138.0	128.9	129.9	139.2
48°	131.0	129.3	127.7	118.8	119.6	128.6
48.5°	120.0	119.7	117.9	109.5	110.1	118.0
49°	110.3	110.3	108.5	100.9	100.8	108.3
49.5°	101.1	101.3	99.6	93.0	92.9	99.1
50°	92.7	92.7	91.0	85.5	85.2	90.1
50.5°	84.6	84.4	83.0	78.3	78.0	81.6
51°	77.0	76.6	75.5	71.7	71.0	73.9
51.5°	69.8	69.1	68.3	65.3	64.7	66.3
52°	63.1	62.2	61.5	59.0	59.1	59.4
52.5°	56.6	56.3	55.8	53.5	53.4	53.4
53°	50.4	50.4	50.1	48.0	47.7	47.4
53.5°	44.8	44.5	44.4	42.5	42.0	41.4
54°	39.2	38.6	38.7	37.1	36.3	35.4
54.5°	34.1	32.8	32.9	32.4	31.5	30.6
55°	29.5	28.3	28.5	28.1	27.1	26.2
55.5°	25.6	24.4	24.6	24.2	23.4	22.4
56°	21.6	20.4	20.7	20.3	19.6	18.5
56.5°	19.0	16.8	17.2	16.7	16.0	15.0
57°	16.5	13.8	14.0	13.7	13.0	12.1
57.5°	13.9	11.5	11.8	11.4	10.7	10.0
58°	11.4	9.8	10.1	9.7	9.1	8.5
58.5°	8.8	8.5	8.8	8.4	7.9	7.3
59°	7.6	7.5	7.7	7.4	6.9	6.4
59.5°	6.7	6.6	6.8	6.6	6.1	5.9
60°	6.0	6.1	6.1	6.1	5.6	5.3
60.5°	5.4	5.6	5.7	5.6	5.1	4.8
61°	4.9	5.2	5.2	5.1	4.6	4.3
61.5°	4.5	4.7	4.8	4.6	4.2	3.9
62°	4.1	4.2	4.4	4.2	3.8	3.5
62.5°	3.7	3.9	4.0	3.8	3.5	3.3
63°	3.4	3.6	3.7	3.5	3.2	3.0
63.5°	3.2	3.3	3.4	3.3	3.0	2.8
64°	2.9	3.0	3.2	3.0	2.7	2.5
64.5°	2.7	2.8	2.9	2.8	2.5	2.4
65°	2.5	2.6	2.7	2.6	2.3	2.2
65.5°	2.3	2.4	2.5	2.4	2.2	2.0
66°	2.2	2.3	2.4	2.2	2.0	1.9
66.5°	2.0	2.1	2.2	2.1	1.9	1.7
67°	1.9	2.0	2.0	1.9	1.7	1.6

TEST NUMBER: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	1.7	1.8	1.9	1.8	1.6	1.5
68°	1.6	1.7	1.8	1.7	1.5	1.4
68.5°	1.5	1.6	1.6	1.5	1.4	1.3
69°	1.4	1.5	1.5	1.4	1.3	1.2
69.5°	1.3	1.4	1.4	1.3	1.2	1.1
70°	1.2	1.3	1.3	1.2	1.1	1.0
70.5°	1.1	1.2	1.2	1.2	1.0	0.9
71°	1.0	1.1	1.1	1.1	1.0	0.9
71.5°	1.0	1.0	1.1	1.0	0.9	0.8
72°	0.9	0.9	1.0	0.9	0.8	0.7
72.5°	0.8	0.9	0.9	0.8	0.7	0.7
73°	0.8	0.8	0.8	0.8	0.7	0.6
73.5°	0.7	0.7	0.8	0.7	0.6	0.6
74°	0.7	0.7	0.7	0.7	0.6	0.5
74.5°	0.6	0.6	0.7	0.6	0.5	0.5
75°	0.6	0.6	0.6	0.6	0.5	0.4
75.5°	0.5	0.5	0.6	0.5	0.4	0.4
76°	0.5	0.5	0.5	0.5	0.4	0.4
76.5°	0.4	0.4	0.5	0.4	0.4	0.3
77°	0.4	0.4	0.4	0.4	0.3	0.3
77.5°	0.3	0.4	0.4	0.4	0.3	0.3
78°	0.3	0.3	0.3	0.3	0.3	0.2
78.5°	0.3	0.3	0.3	0.3	0.2	0.2
79°	0.2	0.3	0.3	0.3	0.2	0.2
79.5°	0.2	0.2	0.2	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	0.1	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	0.0
82.5°	0.1	0.1	0.1	0.1	0.0	0.0
83°	0.0	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: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-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: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	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	0.0	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	0.1	0.1	0.1	0.1
130.5°	0.2	0.2	0.2	0.2	0.1	0.1
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°	0.2	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: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

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	0.2	0.2	0.2	0.2	0.2
137.5°	0.3	0.2	0.2	0.2	0.2	0.2
138°	0.3	0.3	0.3	0.3	0.2	0.2
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°	0.4	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°	0.5	0.3	0.3	0.3	0.3	0.3
145.5°	0.5	0.3	0.3	0.3	0.3	0.3
146°	0.6	0.4	0.4	0.4	0.3	0.3
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°	0.6	0.4	0.4	0.4	0.4	0.4
149°	0.6	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°	0.7	0.4	0.4	0.4	0.4	0.4
153°	0.7	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	0.4	0.4	0.4
154.5°	0.8	0.4	0.4	0.4	0.4	0.4
155°	0.8	0.4	0.4	0.4	0.4	0.4
155.5°	0.8	0.4	0.4	0.4	0.4	0.4
156°	0.8	0.4	0.4	0.4	0.5	0.4
156.5°	0.8	0.4	0.4	0.5	0.5	0.5
157°	0.8	0.4	0.4	0.5	0.5	0.5

TEST NUMBER: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.8	0.4	0.4	0.5	0.5	0.5
158°	0.8	0.4	0.4	0.5	0.5	0.5
158.5°	0.8	0.4	0.5	0.5	0.5	0.5
159°	0.9	0.4	0.5	0.5	0.5	0.5
159.5°	0.9	0.4	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°	0.8	0.4	0.5	0.5	0.5	0.5
170.5°	0.8	0.4	0.5	0.5	0.5	0.5
171°	0.8	0.4	0.5	0.5	0.5	0.5
171.5°	0.8	0.4	0.5	0.5	0.5	0.5
172°	0.8	0.4	0.5	0.5	0.5	0.5
172.5°	0.8	0.4	0.5	0.5	0.5	0.5
173°	0.8	0.4	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°	0.7	0.5	0.5	0.5	0.5	0.5
175.5°	0.7	0.5	0.5	0.5	0.5	0.5
176°	0.7	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	0.5	0.5	0.5	0.5
177.5°	0.7	0.5	0.5	0.6	0.5	0.5
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°	0.6	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.6	0.6	0.6	0.6	0.6	0.6

TEST NUMBER: P1590472

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-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	4.1	5.1	4.4	5.4	5.7	5.1	6.1	5.4	6.4	6.7
	3H	4.0	4.9	4.4	5.2	5.6	5.0	5.9	5.4	6.2	6.6
	4H	3.9	4.8	4.3	5.1	5.5	4.9	5.8	5.3	6.1	6.5
	6H	3.8	4.6	4.2	5.0	5.4	4.8	5.6	5.3	6.0	6.4
	8H	3.8	4.5	4.2	4.9	5.3	4.8	5.5	5.2	5.9	6.3
	12H	3.7	4.4	4.2	4.8	5.2	4.7	5.4	5.2	5.8	6.2
4H	2H	3.9	4.7	4.3	5.1	5.5	4.9	5.7	5.3	6.1	6.5
	3H	3.9	4.5	4.3	4.9	5.3	4.8	5.5	5.2	5.9	6.3
	4H	3.8	4.4	4.2	4.8	5.2	4.7	5.3	5.2	5.8	6.2
	6H	3.7	4.2	4.1	4.6	5.1	4.6	5.2	5.1	5.6	6.1
	8H	3.6	4.1	4.1	4.5	5.0	4.6	5.1	5.0	5.5	6.0
	12H	3.5	4.0	4.0	4.4	4.9	4.5	4.9	5.0	5.4	5.9
8H	4H	3.6	4.1	4.1	4.5	5.0	4.6	5.1	5.0	5.5	6.0
	6H	3.5	3.9	4.0	4.4	4.9	4.5	4.8	5.0	5.4	5.8
	8H	3.4	3.8	4.0	4.3	4.8	4.4	4.7	4.9	5.3	5.8
	12H	3.4	3.7	3.9	4.2	4.7	4.3	4.6	4.9	5.1	5.7
12H	4H	3.5	4.0	4.0	4.5	4.9	4.5	4.9	5.0	5.4	5.9
	6H	3.4	3.8	4.0	4.2	4.8	4.4	4.7	4.9	5.2	5.8
	8H	3.4	3.7	3.9	4.2	4.8	4.3	4.6	4.9	5.1	5.7

(END OF REPORT)