

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: P1590461

Luminaire Tested: HCDLS1525CSD4TRC-LO-5000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590461
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: HCDLS1525CSD4TRC-LO-5000K
Description: 4" Selectable Round Trim + Specular Clear 1500 Lumens 5000K

Light Source:
Ballast/Driver: -

Summary

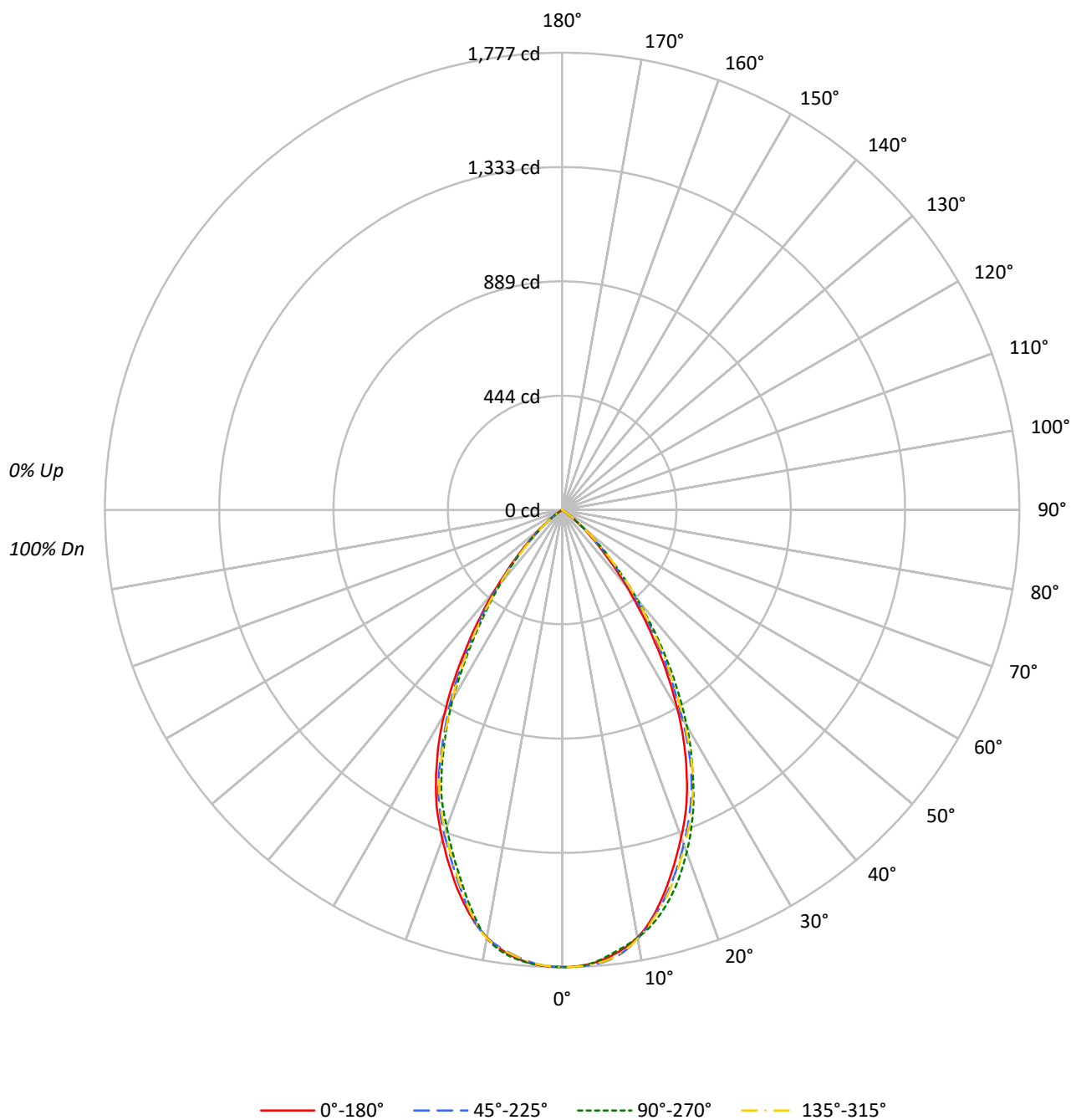
Lumens per Lamp: N/A
Luminaire Lumens: 1737.2 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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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°	219111	219111	219111	219111
5°	217472	217014	217732	218017
10°	211244	211507	211194	211469
15°	196359	201876	197036	191967
20°	177597	185762	178739	172320
25°	156076	164269	157954	150428
30°	127700	137955	130463	120963
35°	94818	106744	96821	87907
40°	63247	73488	65775	59367
45°	37103	44499	39248	36283
50°	18153	20820	19439	18671
55°	5914	6279	6301	6387
60°	1381	1529	1431	1579
65°	671	788	700	817
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: 44499 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.7	9.5
10°-20°	430.2	24.8
20°-30°	525.5	30.3
30°-40°	400.4	23.0
40°-50°	178.5	10.3
50°-60°	32.3	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°	1121.4	64.6
0°-40°	1521.8	87.6
0°-60°	1732.6	99.7
0°-90°	1736.1	99.9
90°-120°	0.0	0.0
90°-150°	0.5	0.0
90°-180°	1.0	0.1
0°-180°	1737.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1776	1776	1776	1776	1776	
5°	1756	1753	1758	1761	1756	165
15°	1538	1581	1543	1503	1538	429
25°	1147	1207	1161	1105	1147	521
35°	630	709	643	584	630	393
45°	213	255	225	208	213	169
55°	28	29	29	30	28	31
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	1	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1776.4	1776.4	1776.4	1776.4	1776.4	1776.4	1776.4	1776.4	1776.4	1776.4	1776.4
0.5°	1776.7	1776.1	1776.3	1776.7	1776.1	1776.3	1777.0	1776.7	1776.7	1776.1	1776.1
1°	1775.9	1775.9	1776.3	1776.7	1776.1	1776.3	1776.6	1776.6	1776.1	1775.5	1775.5
1.5°	1775.0	1775.3	1775.9	1776.1	1775.5	1775.9	1776.1	1775.9	1775.5	1774.5	1774.5
2°	1773.8	1774.4	1775.5	1775.3	1774.4	1774.9	1775.5	1775.3	1774.2	1772.8	1773.1
2.5°	1772.2	1773.8	1774.7	1773.9	1772.8	1773.3	1774.9	1774.4	1772.7	1771.0	1771.3
3°	1770.5	1772.8	1773.6	1772.0	1770.5	1771.4	1773.3	1773.3	1771.0	1768.3	1768.6
3.5°	1767.7	1771.7	1772.4	1769.7	1767.4	1768.9	1771.6	1771.7	1768.9	1765.0	1765.3
4°	1764.6	1770.2	1771.1	1766.6	1763.2	1765.5	1769.9	1770.2	1766.0	1761.0	1761.4
4.5°	1760.7	1768.0	1769.1	1762.7	1758.2	1761.3	1767.2	1768.0	1762.7	1756.3	1757.1
5°	1756.4	1765.3	1766.0	1757.9	1752.7	1756.1	1763.9	1765.5	1758.5	1751.1	1752.2
5.5°	1751.6	1761.8	1762.5	1752.9	1746.8	1750.8	1760.0	1762.1	1754.1	1745.5	1747.2
6°	1746.6	1757.4	1758.3	1747.1	1740.5	1744.9	1755.7	1758.0	1748.8	1739.8	1741.8
6.5°	1740.8	1752.4	1753.5	1741.3	1734.1	1738.8	1750.5	1753.2	1742.9	1733.8	1736.3
7°	1734.8	1746.3	1747.4	1735.1	1727.9	1732.6	1744.6	1747.4	1736.5	1727.4	1730.7
7.5°	1728.1	1739.4	1740.5	1728.4	1721.7	1725.9	1738.0	1740.7	1730.1	1721.0	1724.6
8°	1721.3	1732.0	1732.7	1721.0	1715.3	1719.0	1730.6	1732.7	1722.4	1714.5	1718.4
8.5°	1713.5	1723.4	1724.2	1713.4	1708.9	1712.3	1722.1	1724.5	1714.3	1707.2	1711.5
9°	1705.3	1713.9	1714.5	1705.4	1702.3	1704.7	1712.8	1714.8	1705.7	1699.7	1704.0
9.5°	1696.1	1703.4	1704.2	1696.9	1695.8	1696.7	1702.9	1704.2	1696.7	1691.4	1695.9
10°	1686.6	1692.3	1693.0	1687.7	1688.7	1688.1	1692.2	1693.0	1686.2	1682.7	1686.7
10.5°	1676.0	1680.3	1680.9	1677.8	1681.1	1679.4	1680.9	1680.6	1675.2	1672.2	1675.8
11°	1664.1	1667.7	1668.3	1667.4	1672.7	1669.7	1668.9	1668.3	1663.6	1661.3	1663.8
11.5°	1651.1	1654.0	1655.5	1656.5	1663.6	1659.7	1656.6	1655.2	1651.1	1649.1	1650.4
12°	1636.6	1639.8	1642.1	1644.3	1654.1	1649.0	1644.1	1641.6	1637.9	1634.9	1634.8
12.5°	1621.7	1625.1	1627.7	1632.6	1643.2	1637.1	1631.0	1627.6	1622.9	1619.6	1617.3
13°	1605.9	1610.3	1613.7	1619.8	1632.3	1625.4	1617.4	1612.6	1608.7	1603.7	1600.3
13.5°	1589.5	1594.5	1599.2	1607.0	1620.3	1613.4	1603.6	1598.1	1593.0	1586.9	1582.3
14°	1572.5	1578.4	1584.5	1593.1	1607.5	1600.1	1589.4	1582.5	1577.0	1569.6	1563.6
14.5°	1555.4	1562.2	1569.6	1579.4	1594.4	1586.7	1574.4	1567.1	1559.9	1551.6	1544.8
15°	1537.7	1545.7	1553.8	1564.9	1580.9	1572.4	1560.0	1551.2	1543.0	1533.4	1525.3
15.5°	1519.5	1528.7	1538.2	1549.7	1566.9	1557.9	1544.3	1534.9	1525.8	1515.1	1505.8
16°	1501.6	1511.3	1521.8	1533.6	1551.9	1542.6	1528.5	1517.9	1508.1	1496.0	1486.6
16.5°	1483.6	1494.3	1505.3	1517.9	1536.6	1526.9	1511.8	1500.8	1490.1	1477.2	1467.6
17°	1465.1	1476.8	1488.5	1501.6	1520.8	1510.6	1495.0	1483.3	1471.8	1458.5	1448.6
17.5°	1446.3	1459.0	1471.0	1484.8	1504.5	1494.1	1478.2	1465.2	1453.4	1439.8	1429.6
18°	1427.4	1440.8	1453.3	1467.2	1487.1	1477.3	1460.5	1447.4	1435.3	1421.1	1410.9
18.5°	1408.8	1422.4	1435.7	1449.7	1469.8	1459.7	1443.0	1429.7	1416.9	1402.4	1392.5
19°	1390.2	1404.0	1418.3	1432.0	1451.7	1442.0	1425.6	1411.8	1397.9	1384.2	1374.0
19.5°	1371.7	1385.8	1400.6	1414.0	1434.0	1424.1	1408.1	1393.3	1379.7	1366.2	1357.5
20°	1353.0	1367.2	1382.6	1395.9	1415.2	1406.3	1390.6	1375.7	1361.7	1348.0	1339.7
20.5°	1334.4	1349.2	1364.6	1377.7	1396.8	1388.2	1372.5	1358.4	1342.9	1329.9	1322.0
21°	1315.7	1330.2	1346.2	1358.9	1377.8	1369.2	1354.6	1340.3	1324.0	1311.8	1304.2
21.5°	1297.2	1311.7	1328.1	1339.9	1357.7	1349.6	1336.6	1322.2	1305.2	1293.7	1286.5
22°	1277.7	1292.4	1309.0	1320.0	1337.5	1330.0	1318.7	1304.1	1286.4	1275.6	1266.9

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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°	1258.1	1273.8	1290.0	1300.8	1317.4	1310.4	1300.8	1286.0	1269.1	1255.6	1247.6
23°	1236.8	1253.6	1270.8	1279.4	1297.2	1290.8	1282.9	1266.0	1248.6	1234.2	1227.4
23.5°	1215.6	1233.6	1251.3	1259.3	1277.0	1271.2	1262.5	1246.3	1227.3	1212.8	1206.0
24°	1193.2	1212.8	1230.7	1237.0	1253.5	1249.2	1242.6	1226.1	1205.3	1190.9	1182.8
24.5°	1170.5	1191.2	1210.7	1215.5	1230.8	1227.2	1222.1	1205.0	1183.1	1167.5	1158.6
25°	1146.8	1168.8	1189.5	1192.2	1207.0	1204.6	1201.0	1183.7	1160.6	1143.8	1133.6
25.5°	1123.5	1146.6	1167.8	1170.1	1184.0	1181.9	1179.2	1162.0	1137.7	1119.4	1107.4
26°	1099.9	1123.2	1145.2	1146.7	1160.7	1158.7	1157.0	1139.5	1114.7	1094.9	1079.8
26.5°	1076.9	1099.7	1122.2	1123.1	1137.1	1135.2	1133.6	1115.8	1090.9	1069.7	1052.2
27°	1052.2	1075.7	1097.1	1099.3	1113.4	1111.3	1109.5	1091.8	1067.4	1044.1	1025.1
27.5°	1027.8	1051.6	1071.1	1075.1	1090.4	1087.8	1084.8	1067.4	1043.8	1017.8	998.7
28°	1002.5	1027.1	1044.2	1050.6	1066.9	1064.1	1058.1	1042.2	1019.1	992.0	972.6
28.5°	977.1	1000.5	1016.2	1025.2	1043.1	1039.3	1031.5	1016.2	994.2	965.6	946.3
29°	950.4	975.2	987.9	1000.0	1019.0	1015.0	1003.9	989.4	968.6	939.8	921.4
29.5°	924.4	948.7	958.6	974.6	994.5	989.9	975.6	961.6	942.5	914.3	896.3
30°	896.6	921.1	930.0	948.1	968.6	964.3	946.1	933.0	916.0	888.7	871.1
30.5°	869.9	892.4	901.7	920.6	942.9	937.6	917.3	904.1	888.5	862.9	845.7
31°	843.0	864.7	874.3	893.4	916.9	911.3	889.4	875.3	861.7	837.9	819.7
31.5°	816.6	835.4	847.5	866.0	891.0	884.4	862.1	846.3	833.8	812.7	793.7
32°	789.8	807.1	821.6	838.2	864.7	857.0	835.9	818.4	807.5	787.8	767.4
32.5°	764.0	778.1	795.7	810.9	839.3	829.9	809.7	791.3	779.0	762.4	741.3
33°	738.0	751.6	770.9	783.7	813.8	802.3	785.1	764.6	751.2	737.7	714.7
33.5°	711.9	723.4	745.6	756.5	787.9	775.1	759.9	738.7	723.4	711.9	688.0
34°	686.2	697.8	720.6	730.9	761.5	748.5	735.2	713.2	696.7	686.3	663.0
34.5°	660.1	671.1	694.7	705.4	735.1	722.4	710.4	688.2	669.2	660.4	637.3
35°	629.7	645.5	669.1	680.6	708.9	696.8	685.4	663.9	643.0	633.8	613.5
35.5°	605.6	620.9	644.3	656.5	682.7	671.6	660.1	638.7	617.5	607.9	590.2
36°	581.4	596.2	619.9	633.3	655.9	646.9	635.0	613.5	593.1	582.6	567.4
36.5°	557.3	571.6	595.4	609.3	629.7	621.9	610.0	588.5	567.8	557.5	544.4
37°	533.2	546.9	571.0	585.2	603.5	597.7	585.1	563.8	543.7	533.0	522.4
37.5°	508.2	522.3	546.5	561.2	577.9	573.7	560.6	538.8	520.2	508.7	499.9
38°	483.7	499.9	522.1	537.1	552.9	550.0	537.7	514.9	497.1	485.6	477.8
38.5°	460.0	477.0	499.6	513.3	527.7	526.1	514.5	491.6	474.1	463.0	455.4
39°	437.3	455.3	477.9	490.4	503.5	503.8	492.7	468.9	452.1	440.9	433.8
39.5°	414.7	433.3	455.6	467.5	479.7	480.3	470.9	447.3	430.1	418.4	412.2
40°	392.8	412.3	434.0	444.9	456.4	458.2	449.4	426.5	408.5	396.7	391.2
40.5°	372.1	392.2	412.9	422.9	433.9	434.9	427.9	405.6	387.1	375.6	370.4
41°	351.8	371.9	391.7	401.5	411.5	413.1	406.7	385.6	366.4	355.0	350.5
41.5°	331.8	352.0	370.4	380.6	390.2	391.2	385.8	366.0	346.5	334.9	331.5
42°	313.1	333.6	350.6	360.5	369.3	370.4	364.9	347.3	327.2	315.0	313.1
42.5°	295.0	314.9	330.6	340.4	349.2	349.3	344.2	328.2	308.6	296.2	294.4
43°	277.3	296.5	311.3	320.0	329.3	329.3	324.2	310.1	290.8	278.2	276.5
43.5°	260.0	278.1	292.3	300.4	309.8	309.3	304.6	291.9	273.0	260.7	258.4
44°	243.9	260.7	274.8	281.2	290.7	290.6	285.9	274.6	256.5	244.2	241.9
44.5°	228.0	243.8	257.2	262.4	272.5	271.7	267.5	257.1	240.4	228.3	224.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	212.7	227.8	240.5	244.3	255.1	254.0	250.0	240.6	225.0	212.9	208.4
45.5°	198.0	211.8	224.3	226.4	237.6	236.0	233.1	224.5	210.1	198.2	192.6
46°	184.5	196.9	208.4	209.6	221.0	219.3	216.6	208.9	195.3	184.3	178.6
46.5°	171.0	182.1	192.7	193.3	204.6	202.6	200.9	193.5	181.8	172.1	165.9
47°	158.4	168.8	177.7	177.9	189.5	186.8	185.3	179.0	169.7	160.0	153.3
47.5°	146.1	155.2	163.1	163.0	175.6	173.1	171.6	166.2	157.6	147.8	140.7
48°	134.9	143.0	149.3	149.1	161.8	159.4	158.1	153.4	145.6	135.7	128.0
48.5°	123.9	130.6	135.9	135.9	148.0	145.7	144.5	140.5	133.5	123.6	117.7
49°	113.7	119.5	123.2	123.7	134.2	132.0	130.9	127.7	121.5	113.4	108.3
49.5°	104.0	108.8	111.1	112.1	120.4	118.4	117.4	115.0	111.2	103.8	99.7
50°	94.6	98.7	99.8	101.0	108.5	107.1	106.0	104.3	101.3	94.9	91.6
50.5°	85.7	88.7	89.4	90.5	97.2	96.2	95.3	94.1	92.0	86.4	83.9
51°	77.6	79.9	79.9	80.9	87.0	86.4	85.4	84.5	83.1	78.6	76.7
51.5°	69.6	71.4	71.0	71.9	77.2	77.0	76.4	75.6	74.8	71.2	70.0
52°	62.4	63.6	62.9	63.7	68.3	68.4	67.7	67.3	66.8	64.2	63.5
52.5°	56.0	57.2	56.5	57.1	60.0	60.2	59.8	59.4	59.2	57.5	57.1
53°	49.7	50.7	50.2	50.6	52.4	52.9	52.5	52.2	52.1	51.0	51.0
53.5°	43.4	44.3	43.8	44.1	45.4	45.9	45.7	45.4	45.7	44.9	45.3
54°	37.1	37.9	37.4	37.5	39.2	39.7	39.7	39.2	39.5	39.3	39.8
54.5°	32.1	31.5	31.0	31.0	33.8	34.3	34.3	33.7	34.1	34.1	34.7
55°	27.5	27.0	26.6	26.7	29.2	29.7	29.6	29.2	29.3	29.4	30.0
55.5°	23.5	22.8	22.5	22.4	25.0	25.4	25.4	24.9	25.0	25.3	25.9
56°	19.4	18.7	18.4	18.3	20.8	21.1	21.1	22.2	21.9	22.4	21.7
56.5°	15.7	15.1	14.8	14.9	18.4	18.7	18.7	19.5	18.9	19.6	19.0
57°	12.7	12.3	12.0	12.2	16.0	16.3	16.3	16.8	15.8	16.8	16.5
57.5°	10.5	10.2	10.0	10.2	13.6	13.9	13.8	14.0	12.8	14.0	13.9
58°	8.9	8.6	8.5	8.7	11.2	11.5	11.4	11.3	9.7	11.2	11.3
58.5°	7.7	7.4	7.4	7.6	8.7	9.1	9.0	8.6	8.4	8.3	8.7
59°	6.7	6.5	6.5	6.7	7.7	8.0	7.9	7.5	7.3	7.3	7.5
59.5°	6.2	6.0	5.9	6.1	6.9	7.2	7.1	6.7	6.5	6.4	6.6
60°	5.6	5.4	5.4	5.6	6.2	6.4	6.3	6.0	5.8	5.7	5.9
60.5°	5.0	4.9	4.9	5.1	5.6	5.8	5.7	5.4	5.2	5.1	5.3
61°	4.5	4.4	4.4	4.5	5.1	5.3	5.2	4.9	4.7	4.7	4.8
61.5°	4.1	4.0	4.0	4.1	4.7	4.8	4.8	4.5	4.3	4.2	4.4
62°	3.7	3.6	3.6	3.8	4.3	4.4	4.4	4.1	3.9	3.9	4.0
62.5°	3.4	3.3	3.3	3.5	3.9	4.1	4.0	3.8	3.6	3.5	3.7
63°	3.1	3.1	3.1	3.2	3.6	3.8	3.7	3.5	3.3	3.3	3.4
63.5°	2.9	2.8	2.8	3.0	3.3	3.5	3.4	3.2	3.0	3.0	3.1
64°	2.7	2.6	2.6	2.7	3.1	3.2	3.2	3.0	2.8	2.8	2.9
64.5°	2.5	2.4	2.4	2.6	2.9	3.0	2.9	2.7	2.6	2.6	2.7
65°	2.3	2.2	2.3	2.4	2.7	2.8	2.7	2.5	2.4	2.4	2.5
65.5°	2.1	2.1	2.1	2.2	2.5	2.6	2.5	2.4	2.3	2.2	2.3
66°	2.0	1.9	1.9	2.0	2.3	2.4	2.4	2.2	2.1	2.1	2.1
66.5°	1.8	1.8	1.8	1.9	2.1	2.3	2.2	2.0	1.9	1.9	2.0
67°	1.7	1.7	1.7	1.8	2.0	2.1	2.0	1.9	1.8	1.8	1.8

TEST NUMBER: P1590461

CATALOG NUMBER: HCDLS1525CSD4TRC-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	1.6	1.6	1.9	2.0	1.9	1.8	1.7	1.7	1.7
68°	1.5	1.4	1.4	1.5	1.7	1.8	1.8	1.6	1.6	1.5	1.6
68.5°	1.3	1.3	1.3	1.4	1.6	1.7	1.6	1.5	1.5	1.4	1.5
69°	1.2	1.2	1.2	1.3	1.5	1.6	1.5	1.4	1.4	1.3	1.4
69.5°	1.2	1.1	1.2	1.2	1.4	1.5	1.4	1.3	1.3	1.2	1.3
70°	1.1	1.1	1.1	1.1	1.3	1.4	1.3	1.2	1.2	1.2	1.2
70.5°	1.0	1.0	1.0	1.1	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	1.1	1.0	1.0	1.0
71.5°	0.8	0.8	0.8	0.9	1.0	1.1	1.1	1.0	0.9	0.9	1.0
72°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	0.9	0.9	0.9	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	0.8
73.5°	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7
74°	0.6	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6
74.5°	0.5	0.5	0.5	0.5	0.6	0.7	0.7	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	0.6	0.5	0.5	0.5	0.5
76°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4
76.5°	0.3	0.3	0.3	0.4	0.5	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	0.4	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	0.1	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: P1590461

CATALOG NUMBER: HCDLS1525CSD4TRC-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: P1590461

CATALOG NUMBER: HCDLS1525CSD4TRC-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	0.2	0.2
130°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	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	0.3	0.3	0.3	0.3

TEST NUMBER: P1590461

CATALOG NUMBER: HCDLS1525CSD4TRC-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°	0.3	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	0.4	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	0.5	0.5
142°	0.3	0.3	0.3	0.3	0.4	0.4	0.5	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	0.6	0.6	0.6
145.5°	0.4	0.3	0.3	0.3	0.6	0.6	0.6	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	0.4	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	0.7	0.7	0.7
149°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	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	0.8	0.8
152.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.8	0.8	0.8	0.8
153°	0.4	0.4	0.4	0.4	0.8	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°	0.5	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	0.5	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	0.5	0.4	0.8	0.8	0.8	0.8	0.8	0.9	0.8
157°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.9	0.9	0.9

TEST NUMBER: P1590461

CATALOG NUMBER: HCDLS1525CSD4TRC-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	0.5	0.9	0.9	0.9	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	1.0	0.9
163°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	1.0	1.0	1.0
163.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	1.0	1.0	1.0	1.0
164°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	1.0	1.0	1.0	1.0
164.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	1.0	1.0	1.0	1.0
165°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	1.0	1.0	1.0
165.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	1.0	0.9	1.0
166°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	1.0	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	0.9	0.9	0.9	0.9	0.9	0.9	0.9
171.5°	0.5	0.5	0.5	0.5	0.8	0.9	0.9	0.9	0.9	0.9	0.9
172°	0.5	0.5	0.5	0.5	0.8	0.8	0.9	0.9	0.9	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	0.8	0.8	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	0.8	0.8
177°	0.5	0.5	0.5	0.5	0.7	0.7	0.8	0.8	0.8	0.7	0.7
177.5°	0.6	0.6	0.6	0.6	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: P1590461
CATALOG NUMBER: HCDLS1525CSD4TRC-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: P1590461

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1776.4	1776.4	1776.4	1776.4	1776.4	1776.4
0.5°	1776.6	1775.3	1775.9	1776.6	1776.4	1776.7
1°	1776.1	1774.9	1775.5	1775.8	1775.6	1775.9
1.5°	1775.3	1774.1	1774.9	1774.7	1774.4	1775.0
2°	1774.4	1773.1	1773.5	1772.8	1772.7	1773.8
2.5°	1772.7	1772.0	1772.0	1771.0	1770.8	1772.2
3°	1771.1	1771.0	1770.5	1768.3	1767.7	1770.5
3.5°	1768.8	1769.1	1768.1	1765.2	1764.1	1767.7
4°	1766.1	1766.7	1765.5	1761.4	1760.2	1764.6
4.5°	1762.5	1764.1	1762.4	1757.4	1755.8	1760.7
5°	1758.8	1760.8	1758.9	1752.7	1750.8	1756.4
5.5°	1754.9	1757.2	1755.0	1748.0	1745.7	1751.6
6°	1750.4	1753.0	1750.8	1743.2	1740.1	1746.6
6.5°	1745.4	1748.5	1746.0	1738.2	1734.9	1740.8
7°	1740.1	1742.7	1740.8	1732.9	1729.0	1734.8
7.5°	1734.3	1736.6	1734.6	1727.6	1723.4	1728.1
8°	1727.7	1729.5	1727.9	1721.0	1717.1	1721.3
8.5°	1720.9	1721.3	1720.1	1714.6	1710.6	1713.5
9°	1712.6	1711.7	1711.4	1706.8	1703.3	1705.3
9.5°	1703.6	1701.1	1701.2	1698.4	1695.1	1696.1
10°	1693.0	1688.4	1689.5	1688.1	1686.2	1686.6
10.5°	1680.8	1674.5	1676.0	1677.2	1676.3	1676.0
11°	1667.2	1658.8	1661.0	1664.1	1664.9	1664.1
11.5°	1651.1	1641.2	1644.0	1649.3	1651.9	1651.1
12°	1634.1	1622.3	1625.9	1632.4	1636.8	1636.6
12.5°	1615.9	1603.6	1607.0	1615.1	1620.6	1621.7
13°	1597.3	1583.8	1587.3	1596.5	1604.2	1605.9
13.5°	1578.1	1564.6	1567.7	1577.5	1586.7	1589.5
14°	1558.6	1544.1	1547.7	1558.1	1568.3	1572.5
14.5°	1538.5	1524.0	1527.7	1538.8	1549.7	1555.4
15°	1518.6	1503.3	1507.2	1518.6	1530.9	1537.7
15.5°	1499.0	1483.5	1487.4	1499.7	1511.5	1519.5
16°	1479.7	1464.0	1468.2	1479.9	1492.2	1501.6
16.5°	1460.2	1445.3	1449.1	1461.1	1474.0	1483.6
17°	1441.4	1425.8	1429.7	1442.3	1454.9	1465.1
17.5°	1422.8	1406.7	1411.4	1423.3	1436.4	1446.3
18°	1404.3	1387.5	1392.2	1404.4	1417.1	1427.4
18.5°	1385.3	1368.6	1373.3	1386.0	1398.4	1408.8
19°	1367.3	1349.9	1355.2	1367.4	1379.3	1390.2
19.5°	1349.7	1330.7	1336.8	1349.2	1360.9	1371.7
20°	1332.2	1312.8	1319.1	1330.9	1341.9	1353.0
20.5°	1314.7	1294.0	1300.7	1313.2	1323.5	1334.4
21°	1297.1	1276.3	1282.6	1294.5	1304.8	1315.7
21.5°	1279.6	1257.7	1264.5	1276.2	1285.8	1297.2
22°	1261.6	1239.5	1246.4	1257.5	1267.4	1277.7

TEST NUMBER: P1590461

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1243.0	1220.7	1227.3	1238.9	1247.6	1258.1
23°	1222.6	1200.6	1206.8	1218.8	1226.7	1236.8
23.5°	1200.6	1178.8	1185.5	1197.4	1205.8	1215.6
24°	1178.3	1155.3	1162.7	1174.6	1183.1	1193.2
24.5°	1155.2	1129.6	1139.0	1150.1	1159.2	1170.5
25°	1130.9	1105.3	1114.3	1124.9	1134.1	1146.8
25.5°	1105.5	1080.5	1089.2	1098.5	1109.1	1123.5
26°	1080.1	1055.9	1063.7	1071.4	1083.3	1099.9
26.5°	1053.7	1030.2	1037.9	1044.2	1056.8	1076.9
27°	1026.5	1006.0	1011.7	1016.6	1029.2	1052.2
27.5°	999.0	981.2	984.7	989.0	1002.2	1027.8
28°	970.8	955.6	957.7	961.8	976.6	1002.5
28.5°	943.0	929.8	931.1	934.8	950.9	977.1
29°	916.0	903.7	904.6	908.5	925.8	950.4
29.5°	889.5	876.7	878.0	882.6	901.0	924.4
30°	863.0	849.3	850.5	857.1	876.6	896.6
30.5°	836.4	821.0	823.3	831.5	851.5	869.9
31°	810.6	794.0	796.2	805.7	826.5	843.0
31.5°	784.7	766.2	769.5	780.2	801.0	816.6
32°	759.3	739.2	743.1	754.4	774.7	789.8
32.5°	734.0	712.7	717.0	728.6	748.6	764.0
33°	708.6	686.7	691.7	702.8	722.1	738.0
33.5°	682.9	660.1	666.9	676.4	695.3	711.9
34°	657.8	630.8	643.5	651.3	668.5	686.2
34.5°	632.6	607.3	619.2	627.4	642.7	660.1
35°	608.4	583.8	594.8	603.5	618.3	629.7
35.5°	583.9	560.4	570.5	579.6	593.9	605.6
36°	560.7	536.9	546.2	555.7	569.5	581.4
36.5°	537.2	514.1	521.8	531.8	545.1	557.3
37°	514.0	491.7	498.7	509.4	520.8	533.2
37.5°	491.2	469.9	475.9	487.1	498.1	508.2
38°	469.0	449.0	453.4	465.7	475.7	483.7
38.5°	447.5	428.4	431.6	443.8	453.0	460.0
39°	426.5	408.6	411.8	422.6	431.3	437.3
39.5°	405.6	388.4	391.6	401.1	409.3	414.7
40°	384.9	368.7	371.9	380.5	387.5	392.8
40.5°	365.3	350.1	352.9	359.9	365.7	372.1
41°	346.0	332.1	334.8	339.9	345.2	351.8
41.5°	327.4	314.7	316.9	320.7	324.7	331.8
42°	309.2	297.8	299.4	302.1	305.4	313.1
42.5°	291.3	281.7	282.6	283.4	286.4	295.0
43°	274.3	266.1	266.2	266.5	268.7	277.3
43.5°	257.8	250.7	250.4	249.0	251.2	260.0
44°	242.2	236.0	235.3	232.4	234.6	243.9
44.5°	227.0	221.7	220.8	216.2	218.3	228.0

TEST NUMBER: P1590461

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	212.4	208.0	206.6	201.0	202.7	212.7
45.5°	198.4	194.7	193.3	186.1	188.1	198.0
46°	184.9	182.2	180.5	172.2	174.2	184.5
46.5°	172.3	169.8	168.2	158.9	160.7	171.0
47°	160.7	158.0	156.3	146.7	148.0	158.4
47.5°	149.1	146.7	144.9	135.3	136.4	146.1
48°	137.5	135.8	134.0	124.7	125.6	134.9
48.5°	126.0	125.6	123.7	114.9	115.6	123.9
49°	115.8	115.8	113.9	105.9	105.9	113.7
49.5°	106.1	106.3	104.6	97.6	97.5	104.0
50°	97.3	97.3	95.5	89.7	89.4	94.6
50.5°	88.8	88.6	87.1	82.2	81.9	85.7
51°	80.8	80.4	79.2	75.2	74.5	77.6
51.5°	73.3	72.6	71.7	68.5	67.9	69.6
52°	66.2	65.3	64.5	62.0	62.0	62.4
52.5°	59.4	59.1	58.5	56.2	56.1	56.0
53°	52.9	52.9	52.6	50.4	50.1	49.7
53.5°	47.0	46.7	46.6	44.6	44.1	43.4
54°	41.2	40.6	40.6	38.9	38.1	37.1
54.5°	35.8	34.4	34.6	34.0	33.0	32.1
55°	31.0	29.7	30.0	29.5	28.5	27.5
55.5°	26.8	25.6	25.9	25.4	24.6	23.5
56°	22.7	21.4	21.7	21.4	20.5	19.4
56.5°	20.0	17.6	18.0	17.5	16.8	15.7
57°	17.3	14.5	14.7	14.3	13.6	12.7
57.5°	14.6	12.1	12.4	12.0	11.3	10.5
58°	11.9	10.3	10.6	10.2	9.6	8.9
58.5°	9.2	8.9	9.2	8.9	8.3	7.7
59°	8.0	7.8	8.1	7.8	7.2	6.7
59.5°	7.1	6.9	7.2	6.9	6.4	6.2
60°	6.3	6.4	6.4	6.4	5.9	5.6
60.5°	5.7	5.9	6.0	5.9	5.4	5.0
61°	5.1	5.4	5.5	5.4	4.9	4.5
61.5°	4.7	4.9	5.0	4.9	4.4	4.1
62°	4.3	4.4	4.6	4.4	4.0	3.7
62.5°	3.9	4.1	4.2	4.0	3.7	3.4
63°	3.6	3.7	3.9	3.7	3.4	3.1
63.5°	3.3	3.5	3.6	3.4	3.1	2.9
64°	3.1	3.2	3.3	3.2	2.9	2.7
64.5°	2.8	3.0	3.1	2.9	2.7	2.5
65°	2.6	2.8	2.9	2.7	2.5	2.3
65.5°	2.5	2.6	2.7	2.5	2.3	2.1
66°	2.3	2.4	2.5	2.3	2.1	2.0
66.5°	2.1	2.2	2.3	2.2	2.0	1.8
67°	2.0	2.1	2.1	2.0	1.8	1.7

TEST NUMBER: P1590461

CATALOG NUMBER: HCDLS1525CSD4TRC-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	1.9	1.7	1.6	1.5
68.5°	1.6	1.7	1.7	1.6	1.5	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	1.3	1.2
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	1.2	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	0.9	0.8
72.5°	0.9	0.9	1.0	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	0.8	0.7	0.6	0.6
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: P1590461

CATALOG NUMBER: HCDLS1525CSD4TRC-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: P1590461

CATALOG NUMBER: HCDLS1525CSD4TRC-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	0.1	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	0.2	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: P1590461

CATALOG NUMBER: HCDLS1525CSD4TRC-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	0.3	0.2	0.2
137.5°	0.3	0.3	0.3	0.3	0.3	0.3
138°	0.4	0.3	0.3	0.3	0.3	0.3
138.5°	0.4	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	0.4	0.4	0.3	0.3	0.3
145°	0.6	0.4	0.4	0.4	0.4	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°	0.8	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	0.5	0.4	0.4
154°	0.8	0.4	0.4	0.5	0.5	0.5
154.5°	0.8	0.4	0.5	0.5	0.5	0.5
155°	0.8	0.4	0.5	0.5	0.5	0.5
155.5°	0.8	0.5	0.5	0.5	0.5	0.5
156°	0.8	0.5	0.5	0.5	0.5	0.5
156.5°	0.8	0.5	0.5	0.5	0.5	0.5
157°	0.9	0.5	0.5	0.5	0.5	0.5

TEST NUMBER: P1590461

CATALOG NUMBER: HCDLS1525CSD4TRC-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°	0.9	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: P1590461

CATALOG NUMBER: HCDLS1525CSD4TRC-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: P1590461

CATALOG NUMBER: HCDLS1525CSD4TRC-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	4.3	5.3	4.6	5.6	5.9	5.2	6.3	5.6	6.6	6.9
	3H	4.2	5.1	4.6	5.4	5.8	5.2	6.1	5.6	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	4.8	4.4	5.2	5.6	5.0	5.8	5.4	6.2	6.6
	8H	4.0	4.7	4.4	5.1	5.5	5.0	5.7	5.4	6.1	6.5
	12H	3.9	4.6	4.3	5.0	5.4	4.9	5.6	5.3	6.0	6.4
4H	2H	4.1	4.9	4.5	5.3	5.7	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	4.4	5.0	5.4	4.9	5.5	5.3	5.9	6.4
	6H	3.8	4.4	4.3	4.8	5.3	4.8	5.3	5.3	5.8	6.3
	8H	3.8	4.3	4.3	4.7	5.2	4.7	5.2	5.2	5.7	6.2
	12H	3.7	4.1	4.2	4.6	5.1	4.7	5.1	5.2	5.6	6.1
8H	4H	3.8	4.3	4.3	4.7	5.2	4.7	5.2	5.2	5.7	6.2
	6H	3.7	4.1	4.2	4.6	5.0	4.6	5.0	5.2	5.5	6.0
	8H	3.6	3.9	4.1	4.5	5.0	4.6	4.9	5.1	5.4	5.9
	12H	3.5	3.8	4.1	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	6.1
	6H	3.6	3.9	4.1	4.4	5.0	4.6	4.9	5.1	5.4	5.9
	8H	3.5	3.8	4.1	4.3	4.9	4.5	4.8	5.0	5.3	5.9

(END OF REPORT)