

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: P1590474

Luminaire Tested: HCDLS1525CSD4TRH-LO-3500K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590474
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-3500K
Description: 4" Selectable Round Trim+ Haze (Semi-specular) 1500 Lumens 3500K

Light Source:
Ballast/Driver: -

Summary

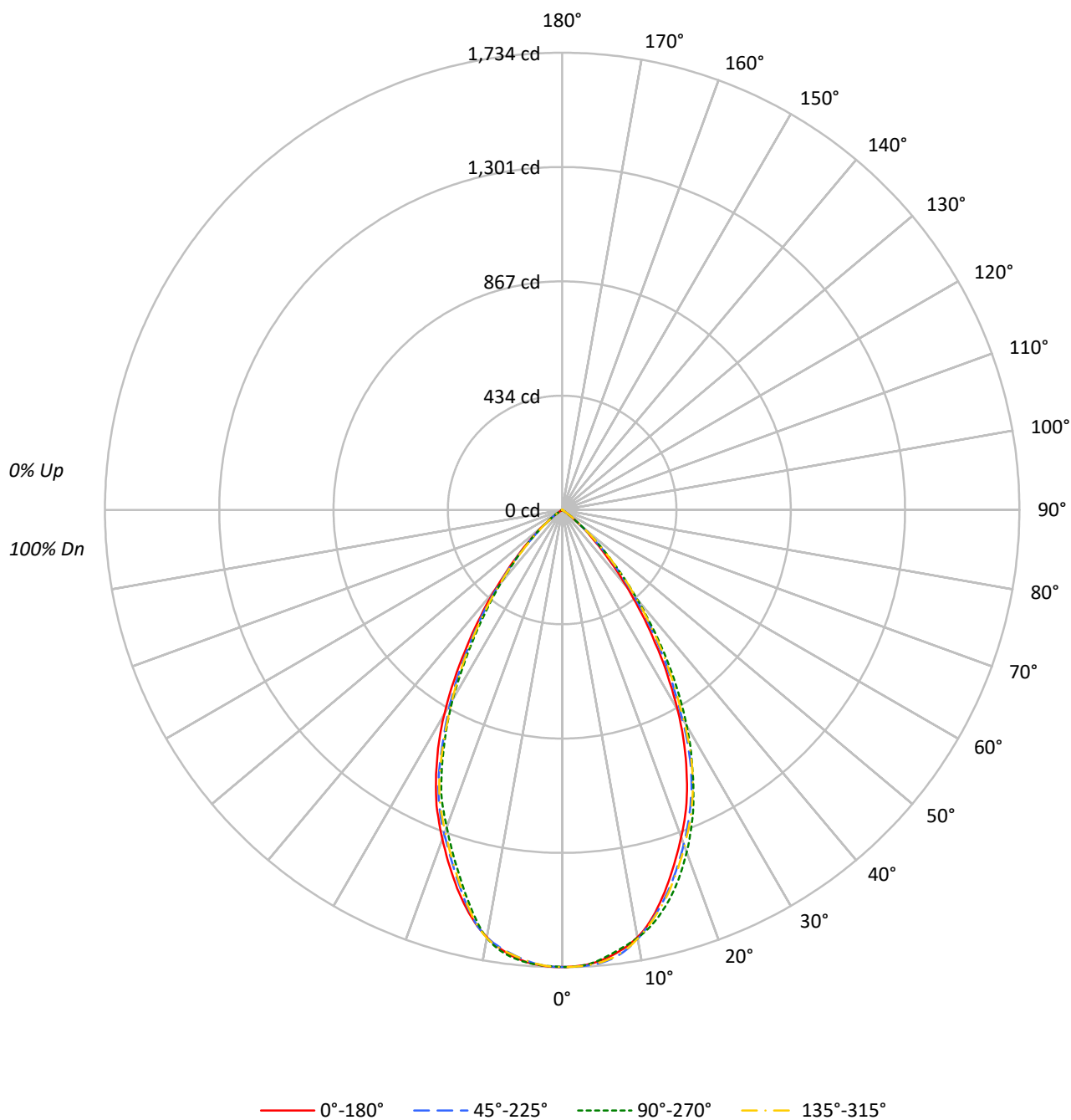
Lumens per Lamp: N/A
Luminaire Lumens: 1695.0 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	213795	213795	213795	213795
5°	212197	211739	212445	212717
10°	206109	206372	206071	206334
15°	191596	196972	192248	187306
20°	173279	181246	174394	168133
25°	152292	160281	154116	146780
30°	124595	134608	127301	118029
35°	92515	104139	94472	85769
40°	61718	71701	64181	57934
45°	36196	43417	38289	35393
50°	17712	20321	18978	18211
55°	5785	6129	6150	6236
60°	1357	1480	1381	1554
65°	642	759	700	788
70°	361	469	397	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: 43417 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.6	9.5
10°-20°	419.7	24.8
20°-30°	512.8	30.3
30°-40°	390.7	23.0
40°-50°	174.2	10.3
50°-60°	31.5	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°	1094.1	64.6
0°-40°	1484.8	87.6
0°-60°	1690.5	99.7
0°-90°	1693.9	99.9
90°-120°	0.0	0.0
90°-150°	0.5	0.0
90°-180°	1.0	0.1
0°-180°	1695.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1733	1733	1733	1733	1733	
5°	1714	1710	1716	1718	1714	161
15°	1500	1542	1506	1467	1500	419
25°	1119	1178	1132	1078	1119	509
35°	614	692	627	570	614	384
45°	208	249	220	203	208	165
55°	27	28	29	29	27	30
65°	2	3	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3
0.5°	1733.6	1733.0	1733.1	1733.6	1733.0	1733.1	1733.9	1733.6	1733.6	1733.0	1733.0
1°	1732.8	1732.8	1733.1	1733.6	1733.0	1733.1	1733.4	1733.4	1733.0	1732.4	1732.4
1.5°	1731.9	1732.2	1732.8	1733.0	1732.4	1732.8	1733.0	1732.8	1732.4	1731.4	1731.4
2°	1730.7	1731.3	1732.4	1732.2	1731.3	1731.7	1732.4	1732.2	1731.1	1729.8	1730.1
2.5°	1729.2	1730.7	1731.6	1730.8	1729.8	1730.2	1731.7	1731.3	1729.6	1727.9	1728.2
3°	1727.5	1729.8	1730.5	1729.0	1727.5	1728.4	1730.2	1730.2	1727.9	1725.3	1725.7
3.5°	1724.7	1728.7	1729.3	1726.7	1724.4	1726.0	1728.5	1728.7	1726.0	1722.2	1722.5
4°	1721.7	1727.2	1728.1	1723.7	1720.3	1722.6	1726.9	1727.2	1723.1	1718.2	1718.7
4.5°	1717.9	1725.0	1726.1	1719.9	1715.5	1718.5	1724.3	1725.0	1719.9	1713.6	1714.4
5°	1713.8	1722.5	1723.1	1715.2	1710.1	1713.5	1721.1	1722.6	1715.8	1708.6	1709.7
5.5°	1709.1	1719.0	1719.7	1710.3	1704.3	1708.3	1717.3	1719.3	1711.5	1703.1	1704.8
6°	1704.2	1714.7	1715.6	1704.6	1698.3	1702.5	1713.0	1715.3	1706.3	1697.5	1699.5
6.5°	1698.6	1709.8	1710.9	1699.0	1692.0	1696.6	1708.0	1710.6	1700.5	1691.7	1694.1
7°	1692.6	1703.9	1705.0	1692.9	1685.9	1690.5	1702.2	1705.0	1694.3	1685.5	1688.7
7.5°	1686.1	1697.2	1698.3	1686.4	1679.8	1683.9	1695.8	1698.4	1688.1	1679.2	1682.7
8°	1679.5	1689.9	1690.6	1679.2	1673.6	1677.2	1688.5	1690.6	1680.6	1672.8	1676.6
8.5°	1671.9	1681.5	1682.3	1671.8	1667.4	1670.7	1680.3	1682.6	1672.7	1665.7	1669.9
9°	1663.9	1672.2	1672.8	1664.0	1661.0	1663.2	1671.2	1673.1	1664.3	1658.4	1662.6
9.5°	1654.9	1662.0	1662.8	1655.6	1654.6	1655.5	1661.6	1662.8	1655.5	1650.3	1654.7
10°	1645.6	1651.2	1651.8	1646.7	1647.7	1647.1	1651.1	1651.8	1645.3	1641.8	1645.7
10.5°	1635.2	1639.5	1640.1	1637.1	1640.3	1638.6	1640.1	1639.8	1634.5	1631.6	1635.1
11°	1623.7	1627.2	1627.8	1626.9	1632.0	1629.2	1628.4	1627.8	1623.2	1620.9	1623.4
11.5°	1611.0	1613.8	1615.3	1616.2	1623.2	1619.4	1616.4	1615.0	1611.0	1609.1	1610.3
12°	1596.9	1599.9	1602.2	1604.3	1613.9	1608.9	1604.2	1601.8	1598.1	1595.2	1595.1
12.5°	1582.3	1585.6	1588.2	1592.9	1603.3	1597.3	1591.4	1588.1	1583.5	1580.3	1578.0
13°	1566.9	1571.2	1574.5	1580.4	1592.6	1585.9	1578.2	1573.4	1569.6	1564.8	1561.4
13.5°	1550.9	1555.8	1560.3	1568.0	1580.9	1574.2	1564.6	1559.3	1554.3	1548.3	1543.9
14°	1534.3	1540.1	1546.0	1554.4	1568.4	1561.3	1550.8	1544.1	1538.7	1531.4	1525.6
14.5°	1517.6	1524.3	1531.4	1541.0	1555.6	1548.2	1536.1	1529.0	1522.0	1513.9	1507.3
15°	1500.4	1508.2	1516.1	1526.9	1542.5	1534.2	1522.1	1513.5	1505.5	1496.2	1488.2
15.5°	1482.6	1491.6	1500.8	1512.1	1528.8	1520.0	1506.8	1497.6	1488.8	1478.3	1469.2
16°	1465.1	1474.6	1484.9	1496.3	1514.2	1505.1	1491.4	1481.0	1471.4	1459.6	1450.5
16.5°	1447.5	1458.0	1468.8	1481.1	1499.3	1489.8	1475.0	1464.3	1453.9	1441.3	1431.9
17°	1429.5	1440.9	1452.4	1465.1	1483.8	1474.0	1458.7	1447.3	1436.0	1423.1	1413.4
17.5°	1411.1	1423.6	1435.2	1448.7	1467.9	1457.8	1442.3	1429.6	1418.1	1404.8	1394.9
18°	1392.8	1405.8	1418.0	1431.6	1451.0	1441.4	1425.0	1412.2	1400.4	1386.6	1376.6
18.5°	1374.6	1387.9	1400.8	1414.5	1434.1	1424.2	1407.9	1395.0	1382.5	1368.4	1358.6
19°	1356.4	1369.9	1383.9	1397.2	1416.4	1406.9	1391.0	1377.5	1363.9	1350.6	1340.6
19.5°	1338.4	1352.1	1366.5	1379.7	1399.1	1389.5	1373.9	1359.4	1346.2	1333.0	1324.5
20°	1320.1	1333.9	1349.1	1362.0	1380.8	1372.2	1356.8	1342.3	1328.6	1315.3	1307.2
20.5°	1302.0	1316.4	1331.4	1344.2	1362.8	1354.4	1339.1	1325.4	1310.2	1297.6	1289.8
21°	1283.8	1297.9	1313.5	1325.9	1344.4	1335.9	1321.6	1307.7	1291.9	1280.0	1272.5
21.5°	1265.7	1279.8	1295.8	1307.4	1324.7	1316.8	1304.2	1290.1	1273.5	1262.3	1255.2
22°	1246.6	1261.0	1277.2	1287.9	1305.0	1297.7	1286.7	1272.5	1255.1	1244.6	1236.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1227.5	1242.8	1258.7	1269.2	1285.4	1278.5	1269.2	1254.8	1238.3	1225.1	1217.3
23°	1206.8	1223.1	1240.0	1248.3	1265.7	1259.4	1251.7	1235.3	1218.2	1204.3	1197.6
23.5°	1186.1	1203.7	1220.9	1228.7	1246.0	1240.3	1231.8	1216.1	1197.5	1183.3	1176.7
24°	1164.2	1183.4	1200.8	1206.9	1223.1	1218.8	1212.5	1196.3	1176.1	1162.0	1154.1
24.5°	1142.0	1162.3	1181.3	1186.0	1200.9	1197.4	1192.4	1175.7	1154.4	1139.1	1130.5
25°	1119.0	1140.5	1160.6	1163.3	1177.7	1175.4	1171.8	1154.9	1132.4	1116.0	1106.0
25.5°	1096.2	1118.7	1139.5	1141.7	1155.2	1153.1	1150.5	1133.8	1110.1	1092.2	1080.5
26°	1073.2	1095.9	1117.4	1118.8	1132.5	1130.6	1128.9	1111.8	1087.6	1068.3	1053.6
26.5°	1050.8	1073.0	1094.9	1095.8	1109.5	1107.6	1106.1	1088.7	1064.4	1043.7	1026.7
27°	1026.6	1049.6	1070.4	1072.6	1086.3	1084.3	1082.6	1065.3	1041.5	1018.8	1000.2
27.5°	1002.8	1026.0	1045.1	1049.0	1063.9	1061.4	1058.4	1041.5	1018.4	993.0	974.4
28°	978.1	1002.1	1018.8	1025.1	1040.9	1038.2	1032.3	1016.8	994.4	967.9	948.9
28.5°	953.4	976.2	991.5	1000.3	1017.8	1014.0	1006.5	991.6	970.0	942.1	923.3
29°	927.4	951.5	963.9	975.7	994.3	990.4	979.5	965.4	945.1	917.0	899.0
29.5°	901.9	925.6	935.3	950.9	970.3	965.8	951.9	938.3	919.6	892.1	874.5
30°	874.8	898.8	907.4	925.1	945.1	940.9	923.2	910.4	893.8	867.1	850.0
30.5°	848.7	870.7	879.8	898.2	920.0	914.9	895.0	882.2	866.9	842.0	825.1
31°	822.6	843.7	853.0	871.7	894.6	889.2	867.8	854.0	840.7	817.5	799.8
31.5°	796.8	815.1	826.9	844.9	869.3	862.9	841.2	825.7	813.6	793.0	774.5
32°	770.6	787.5	801.6	817.8	843.7	836.2	815.6	798.6	787.9	768.7	748.7
32.5°	745.4	759.2	776.4	791.2	818.9	809.8	790.1	772.1	760.1	743.8	723.2
33°	720.1	733.3	752.2	764.7	794.0	782.8	766.0	746.0	733.0	719.7	697.4
33.5°	694.6	705.8	727.5	738.1	768.8	756.2	741.5	720.7	705.8	694.6	671.3
34°	669.5	680.9	703.1	713.1	743.0	730.3	717.4	695.9	679.8	669.6	646.9
34.5°	644.1	654.8	677.9	688.3	717.3	704.9	693.1	671.5	652.9	644.3	621.9
35°	614.4	629.8	652.8	664.1	691.6	679.9	668.8	647.8	627.4	618.4	598.6
35.5°	590.9	605.8	628.6	640.5	666.1	655.3	644.0	623.2	602.5	593.2	575.9
36°	567.3	581.7	604.8	618.0	639.9	631.2	619.6	598.6	578.7	568.4	553.6
36.5°	543.8	557.7	581.0	594.5	614.4	606.8	595.1	574.2	554.0	543.9	531.2
37°	520.2	533.6	557.1	571.0	588.9	583.1	570.9	550.1	530.5	520.1	509.8
37.5°	495.9	509.6	533.3	547.5	563.9	559.7	547.0	525.7	507.6	496.3	487.8
38°	472.0	487.8	509.4	524.1	539.5	536.7	524.6	502.4	485.0	473.8	466.2
38.5°	448.8	465.4	487.5	500.8	514.9	513.4	502.0	479.7	462.6	451.7	444.3
39°	426.7	444.2	466.3	478.5	491.3	491.5	480.7	457.6	441.1	430.2	423.3
39.5°	404.6	422.7	444.6	456.1	468.0	468.7	459.5	436.4	419.7	408.3	402.2
40°	383.3	402.3	423.5	434.1	445.3	447.0	438.5	416.2	398.6	387.1	381.7
40.5°	363.0	382.7	402.9	412.6	423.3	424.3	417.5	395.8	377.7	366.5	361.4
41°	343.2	362.8	382.2	391.8	401.5	403.1	396.9	376.2	357.5	346.4	342.0
41.5°	323.8	343.5	361.4	371.3	380.7	381.7	376.4	357.1	338.1	326.7	323.4
42°	305.5	325.5	342.1	351.7	360.3	361.4	356.0	338.8	319.3	307.3	305.5
42.5°	287.9	307.2	322.6	332.1	340.7	340.8	335.8	320.3	301.1	289.0	287.3
43°	270.6	289.3	303.7	312.2	321.3	321.3	316.3	302.5	283.8	271.4	269.8
43.5°	253.6	271.3	285.2	293.1	302.3	301.8	297.2	284.8	266.4	254.4	252.2
44°	237.9	254.4	268.1	274.3	283.7	283.6	279.0	267.9	250.3	238.3	236.0
44.5°	222.5	237.9	251.0	256.1	265.9	265.1	261.0	250.9	234.5	222.8	219.1

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CATALOG NUMBER: HCDLS1525CSD4TRH-LO-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	207.5	222.2	234.7	238.4	248.9	247.8	243.9	234.8	219.5	207.7	203.4
45.5°	193.2	206.7	218.9	220.9	231.8	230.3	227.4	219.0	205.0	193.4	188.0
46°	180.0	192.1	203.3	204.5	215.6	214.0	211.3	203.8	190.6	179.8	174.2
46.5°	166.8	177.6	188.0	188.6	199.6	197.7	196.0	188.8	177.4	168.0	161.9
47°	154.5	164.7	173.4	173.6	184.9	182.3	180.8	174.7	165.5	156.1	149.5
47.5°	142.5	151.4	159.1	159.0	171.4	168.9	167.5	162.2	153.8	144.2	137.2
48°	131.7	139.5	145.6	145.4	157.9	155.5	154.2	149.6	142.0	132.4	124.9
48.5°	120.8	127.4	132.6	132.6	144.4	142.2	141.0	137.1	130.3	120.6	114.9
49°	111.0	116.6	120.2	120.7	130.9	128.8	127.8	124.6	118.5	110.7	105.7
49.5°	101.5	106.2	108.4	109.4	117.5	115.5	114.5	112.2	108.5	101.2	97.3
50°	92.3	96.3	97.4	98.5	105.9	104.5	103.4	101.8	98.9	92.6	89.4
50.5°	83.6	86.5	87.2	88.3	94.8	93.9	93.0	91.8	89.8	84.3	81.9
51°	75.7	77.9	78.0	78.9	84.8	84.3	83.3	82.5	81.1	76.7	74.9
51.5°	67.9	69.7	69.3	70.1	75.3	75.2	74.5	73.7	73.0	69.5	68.3
52°	60.8	62.1	61.4	62.1	66.6	66.7	66.1	65.7	65.1	62.6	62.0
52.5°	54.7	55.8	55.2	55.8	58.5	58.8	58.3	58.0	57.8	56.1	55.7
53°	48.5	49.5	48.9	49.4	51.1	51.6	51.2	50.9	50.8	49.8	49.8
53.5°	42.4	43.2	42.7	43.0	44.3	44.8	44.6	44.3	44.6	43.9	44.2
54°	36.2	37.0	36.5	36.6	38.2	38.8	38.8	38.2	38.6	38.3	38.8
54.5°	31.3	30.7	30.2	30.3	33.0	33.5	33.5	32.9	33.3	33.3	33.9
55°	26.9	26.4	25.9	26.0	28.5	29.0	28.9	28.4	28.6	28.7	29.3
55.5°	22.9	22.3	21.9	21.9	24.4	24.8	24.8	24.3	24.4	24.7	25.2
56°	18.9	18.3	17.9	17.9	20.3	20.6	20.6	21.6	21.4	21.9	21.2
56.5°	15.3	14.8	14.5	14.5	18.0	18.2	18.2	19.0	18.4	19.1	18.6
57°	12.4	12.0	11.7	11.9	15.6	15.9	15.9	16.3	15.4	16.4	16.1
57.5°	10.3	9.9	9.8	10.0	13.3	13.6	13.5	13.7	12.4	13.6	13.6
58°	8.7	8.4	8.3	8.5	10.9	11.2	11.1	11.1	9.5	10.9	11.0
58.5°	7.5	7.3	7.2	7.4	8.5	8.9	8.8	8.4	8.2	8.1	8.5
59°	6.6	6.4	6.3	6.5	7.5	7.8	7.7	7.4	7.1	7.1	7.4
59.5°	6.0	5.8	5.8	6.0	6.7	7.0	6.9	6.5	6.3	6.3	6.5
60°	5.5	5.3	5.3	5.5	6.0	6.3	6.2	5.9	5.6	5.6	5.8
60.5°	4.9	4.8	4.8	4.9	5.5	5.7	5.6	5.3	5.1	5.0	5.2
61°	4.4	4.3	4.2	4.4	5.0	5.2	5.1	4.8	4.6	4.5	4.7
61.5°	4.0	3.9	3.9	4.0	4.5	4.7	4.6	4.4	4.2	4.1	4.3
62°	3.6	3.5	3.5	3.7	4.2	4.3	4.3	4.0	3.8	3.8	3.9
62.5°	3.3	3.3	3.3	3.4	3.8	4.0	3.9	3.7	3.5	3.5	3.6
63°	3.1	3.0	3.0	3.1	3.5	3.7	3.6	3.4	3.2	3.2	3.3
63.5°	2.8	2.8	2.8	2.9	3.3	3.4	3.3	3.1	3.0	2.9	3.0
64°	2.6	2.5	2.6	2.7	3.0	3.2	3.1	2.9	2.8	2.7	2.8
64.5°	2.4	2.4	2.4	2.5	2.8	2.9	2.9	2.7	2.5	2.5	2.6
65°	2.2	2.2	2.2	2.3	2.6	2.7	2.7	2.5	2.4	2.3	2.4
65.5°	2.1	2.0	2.0	2.1	2.4	2.5	2.5	2.3	2.2	2.2	2.2
66°	1.9	1.9	1.9	2.0	2.3	2.4	2.3	2.1	2.0	2.0	2.1
66.5°	1.8	1.7	1.8	1.9	2.1	2.2	2.1	2.0	1.9	1.9	1.9
67°	1.6	1.6	1.6	1.7	2.0	2.1	2.0	1.8	1.8	1.7	1.8

TEST NUMBER: P1590474

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-3500K

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	1.9	1.7	1.6	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	1.4
69°	1.2	1.2	1.2	1.3	1.5	1.5	1.5	1.4	1.3	1.3	1.3
69.5°	1.1	1.1	1.1	1.2	1.4	1.4	1.4	1.3	1.2	1.2	1.3
70°	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.2	1.1	1.1	1.2
70.5°	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.1	1.1	1.0	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	0.7	0.8	0.8	0.9	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°	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.7
73.5°	0.6	0.6	0.6	0.6	0.7	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	0.5	0.6
75°	0.5	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	0.6	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	0.4	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	0.4
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	0.1	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°	0.0	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	0.1	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: P1590474

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-3500K

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: P1590474

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-3500K

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	0.0	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	0.1	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	0.2
130°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
130.5°	0.2	0.1	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	0.2
134.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3

TEST NUMBER: P1590474

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-3500K

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	0.3	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°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
138.5°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4
139°	0.3	0.3	0.3	0.3	0.3	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	0.4
142°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	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	0.5
145.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.6
146°	0.4	0.3	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	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
147°	0.4	0.4	0.3	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	0.6
149°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	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	0.7	0.7	0.7
153°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	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°	0.4	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	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
156°	0.5	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
156.5°	0.5	0.5	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	0.8	0.8

TEST NUMBER: P1590474

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-3500K

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	0.9	0.8
158°	0.5	0.5	0.5	0.4	0.8	0.8	0.8	0.8	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	0.8	0.8	0.9	0.9	0.9	0.9	0.9
171°	0.5	0.5	0.5	0.5	0.8	0.8	0.9	0.9	0.9	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	0.8	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	0.7	0.7	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	0.7	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°	0.6	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	0.6	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: P1590474

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-3500K

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: P1590474

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1733.3	1733.3	1733.3	1733.3	1733.3	1733.3
0.5°	1733.4	1732.2	1732.8	1733.4	1733.3	1733.6
1°	1733.0	1731.7	1732.4	1732.7	1732.5	1732.8
1.5°	1732.2	1731.0	1731.7	1731.6	1731.3	1731.9
2°	1731.3	1730.1	1730.4	1729.8	1729.6	1730.7
2.5°	1729.6	1729.0	1729.0	1727.9	1727.8	1729.2
3°	1728.1	1727.9	1727.5	1725.3	1724.7	1727.5
3.5°	1725.8	1726.1	1725.2	1722.3	1721.2	1724.7
4°	1723.2	1723.8	1722.6	1718.7	1717.4	1721.7
4.5°	1719.7	1721.2	1719.6	1714.7	1713.2	1717.9
5°	1716.1	1718.0	1716.2	1710.1	1708.3	1713.8
5.5°	1712.3	1714.5	1712.4	1705.6	1703.3	1709.1
6°	1707.8	1710.4	1708.3	1700.8	1697.8	1704.2
6.5°	1703.0	1706.0	1703.6	1696.0	1692.8	1698.6
7°	1697.8	1700.4	1698.6	1690.8	1687.0	1692.6
7.5°	1692.2	1694.4	1692.5	1685.6	1681.5	1686.1
8°	1685.8	1687.4	1685.9	1679.2	1675.4	1679.5
8.5°	1679.1	1679.5	1678.3	1673.0	1669.0	1671.9
9°	1671.0	1670.1	1669.8	1665.4	1661.9	1663.9
9.5°	1662.2	1659.7	1659.9	1657.2	1654.0	1654.9
10°	1651.8	1647.4	1648.5	1647.1	1645.3	1645.6
10.5°	1640.0	1633.9	1635.2	1636.5	1635.5	1635.2
11°	1626.7	1618.5	1620.6	1623.7	1624.4	1623.7
11.5°	1611.0	1601.3	1604.0	1609.2	1611.8	1611.0
12°	1594.4	1582.9	1586.4	1592.8	1597.0	1596.9
12.5°	1576.6	1564.6	1568.0	1575.9	1581.2	1582.3
13°	1558.5	1545.3	1548.8	1557.8	1565.2	1566.9
13.5°	1539.8	1526.6	1529.6	1539.2	1548.2	1550.9
14°	1520.7	1506.6	1510.1	1520.2	1530.2	1534.3
14.5°	1501.2	1487.0	1490.6	1501.4	1512.1	1517.6
15°	1481.7	1466.8	1470.6	1481.7	1493.7	1500.4
15.5°	1462.6	1447.5	1451.3	1463.2	1474.8	1482.6
16°	1443.8	1428.4	1432.6	1444.0	1455.9	1465.1
16.5°	1424.7	1410.2	1413.9	1425.6	1438.2	1447.5
17°	1406.4	1391.2	1395.0	1407.3	1419.5	1429.5
17.5°	1388.3	1372.6	1377.1	1388.7	1401.5	1411.1
18°	1370.2	1353.8	1358.4	1370.3	1382.7	1392.8
18.5°	1351.6	1335.4	1339.9	1352.3	1364.4	1374.6
19°	1334.1	1317.1	1322.2	1334.2	1345.8	1356.4
19.5°	1316.9	1298.4	1304.3	1316.4	1327.8	1338.4
20°	1299.8	1280.9	1287.0	1298.5	1309.3	1320.1
20.5°	1282.7	1262.6	1269.1	1281.3	1291.3	1302.0
21°	1265.6	1245.3	1251.4	1263.0	1273.1	1283.8
21.5°	1248.5	1227.1	1233.8	1245.2	1254.6	1265.7
22°	1230.9	1209.4	1216.1	1227.0	1236.6	1246.6

TEST NUMBER: P1590474

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1212.8	1191.0	1197.5	1208.8	1217.3	1227.5
23°	1192.9	1171.4	1177.5	1189.2	1196.9	1206.8
23.5°	1171.5	1150.1	1156.7	1168.4	1176.5	1186.1
24°	1149.7	1127.2	1134.4	1146.1	1154.4	1164.2
24.5°	1127.1	1102.2	1111.4	1122.2	1131.0	1142.0
25°	1103.5	1078.5	1087.2	1097.5	1106.6	1119.0
25.5°	1078.7	1054.3	1062.7	1071.8	1082.2	1096.2
26°	1053.9	1030.3	1037.9	1045.4	1056.9	1073.2
26.5°	1028.1	1005.2	1012.7	1018.8	1031.1	1050.8
27°	1001.6	981.6	987.2	991.9	1004.2	1026.6
27.5°	974.7	957.4	960.7	964.9	977.9	1002.8
28°	947.2	932.4	934.4	938.4	952.9	978.1
28.5°	920.1	907.2	908.5	912.1	927.8	953.4
29°	893.8	881.8	882.6	886.4	903.3	927.4
29.5°	867.9	855.4	856.6	861.1	879.1	901.9
30°	842.0	828.7	829.9	836.3	855.3	874.8
30.5°	816.1	801.1	803.3	811.3	830.8	848.7
31°	790.9	774.7	776.9	786.2	806.4	822.6
31.5°	765.6	747.6	750.8	761.2	781.6	796.8
32°	740.8	721.2	725.0	736.0	755.9	770.6
32.5°	716.1	695.4	699.6	710.9	730.4	745.4
33°	691.3	670.0	674.9	685.7	704.6	720.1
33.5°	666.3	644.0	650.7	660.0	678.4	694.6
34°	641.8	615.5	627.9	635.5	652.2	669.5
34.5°	617.3	592.5	604.1	612.1	627.1	644.1
35°	593.6	569.6	580.4	588.8	603.3	614.4
35.5°	569.8	546.7	556.6	565.5	579.5	590.9
36°	547.1	523.8	532.9	542.2	555.7	567.3
36.5°	524.1	501.7	509.2	518.9	531.9	543.8
37°	501.5	479.7	486.6	497.0	508.1	520.2
37.5°	479.3	458.4	464.4	475.2	486.0	495.9
38°	457.6	438.1	442.4	454.3	464.1	472.0
38.5°	436.6	418.0	421.1	433.0	442.0	448.8
39°	416.1	398.7	401.8	412.4	420.8	426.7
39.5°	395.8	379.0	382.1	391.4	399.3	404.6
40°	375.5	359.8	362.9	371.3	378.1	383.3
40.5°	356.4	341.6	344.3	351.1	356.8	363.0
41°	337.6	324.0	326.6	331.7	336.8	343.2
41.5°	319.5	307.0	309.2	313.0	316.8	323.8
42°	301.7	290.6	292.2	294.8	298.0	305.5
42.5°	284.2	274.8	275.8	276.5	279.4	287.9
43°	267.6	259.6	259.7	260.0	262.2	270.6
43.5°	251.6	244.6	244.3	242.9	245.1	253.6
44°	236.3	230.3	229.6	226.8	228.9	237.9
44.5°	221.5	216.3	215.5	210.9	213.0	222.5

TEST NUMBER: P1590474

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	207.2	202.9	201.6	196.1	197.8	207.5
45.5°	193.5	190.0	188.6	181.6	183.6	193.2
46°	180.4	177.8	176.2	168.0	169.9	180.0
46.5°	168.1	165.7	164.1	155.0	156.8	166.8
47°	156.8	154.2	152.5	143.2	144.4	154.5
47.5°	145.5	143.1	141.3	132.0	133.1	142.5
48°	134.2	132.5	130.8	121.6	122.5	131.7
48.5°	122.9	122.6	120.7	112.1	112.7	120.8
49°	113.0	112.9	111.2	103.3	103.3	111.0
49.5°	103.6	103.7	102.0	95.2	95.2	101.5
50°	95.0	94.9	93.2	87.5	87.2	92.3
50.5°	86.6	86.5	85.0	80.2	79.9	83.6
51°	78.9	78.5	77.3	73.4	72.7	75.7
51.5°	71.5	70.8	70.0	66.8	66.2	67.9
52°	64.6	63.7	63.0	60.5	60.5	60.8
52.5°	57.9	57.7	57.1	54.8	54.7	54.7
53°	51.6	51.6	51.3	49.2	48.9	48.5
53.5°	45.8	45.6	45.4	43.6	43.0	42.4
54°	40.2	39.6	39.6	38.0	37.2	36.2
54.5°	34.9	33.6	33.7	33.1	32.2	31.3
55°	30.3	29.0	29.2	28.8	27.8	26.9
55.5°	26.2	25.0	25.2	24.7	24.0	22.9
56°	22.1	20.9	21.2	20.8	20.0	18.9
56.5°	19.5	17.2	17.6	17.1	16.4	15.3
57°	16.9	14.1	14.4	14.0	13.3	12.4
57.5°	14.2	11.8	12.1	11.7	11.0	10.3
58°	11.6	10.0	10.3	10.0	9.3	8.7
58.5°	9.0	8.7	9.0	8.6	8.1	7.5
59°	7.8	7.6	7.9	7.6	7.0	6.6
59.5°	6.9	6.8	7.0	6.7	6.2	6.0
60°	6.2	6.3	6.3	6.2	5.7	5.5
60.5°	5.5	5.8	5.8	5.8	5.2	4.9
61°	5.0	5.3	5.4	5.3	4.8	4.4
61.5°	4.6	4.8	4.9	4.8	4.3	4.0
62°	4.2	4.3	4.5	4.3	3.9	3.6
62.5°	3.8	4.0	4.1	3.9	3.6	3.3
63°	3.5	3.6	3.8	3.6	3.3	3.1
63.5°	3.2	3.4	3.5	3.3	3.0	2.8
64°	3.0	3.1	3.2	3.1	2.8	2.6
64.5°	2.8	2.9	3.0	2.9	2.6	2.4
65°	2.6	2.7	2.8	2.7	2.4	2.2
65.5°	2.4	2.5	2.6	2.5	2.2	2.1
66°	2.2	2.3	2.4	2.3	2.1	1.9
66.5°	2.1	2.2	2.2	2.1	1.9	1.8
67°	1.9	2.0	2.1	2.0	1.8	1.6

TEST NUMBER: P1590474

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	1.8	1.9	1.9	1.8	1.6	1.5
68°	1.7	1.7	1.8	1.7	1.5	1.4
68.5°	1.5	1.6	1.7	1.6	1.4	1.3
69°	1.4	1.5	1.6	1.5	1.3	1.2
69.5°	1.3	1.4	1.5	1.4	1.2	1.1
70°	1.2	1.3	1.4	1.3	1.1	1.0
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	1.0	1.1	1.0	0.9	0.8
72°	0.9	1.0	1.0	0.9	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	0.6
73.5°	0.7	0.8	0.8	0.7	0.7	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	0.5
75.5°	0.5	0.5	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°	0.2	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	0.1	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°	0.1	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: P1590474

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-3500K

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: P1590474

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-3500K

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: P1590474

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-3500K

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	0.3	0.3	0.3	0.2	0.2
138°	0.3	0.3	0.3	0.3	0.3	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°	0.6	0.4	0.4	0.4	0.4	0.3
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°	0.6	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°	0.7	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	0.4	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	0.5	0.5	0.5
155.5°	0.8	0.4	0.4	0.5	0.5	0.5
156°	0.8	0.4	0.4	0.5	0.5	0.5
156.5°	0.8	0.4	0.5	0.5	0.5	0.5
157°	0.8	0.4	0.5	0.5	0.5	0.5

TEST NUMBER: P1590474

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.8	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°	0.8	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°	0.7	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	0.6	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	0.6	0.6	0.7	0.6	0.6



TEST NUMBER: P1590474

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-3500K

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: P1590474

CATALOG NUMBER: HCDLS1525CSD4TRH-LO-3500K

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	5.2	4.5	5.5	5.8	5.2	6.2	5.5	6.5	6.8
	3H	4.1	5.0	4.5	5.3	5.7	5.1	6.0	5.5	6.4	6.7
	4H	4.0	4.8	4.4	5.2	5.6	5.0	5.9	5.4	6.2	6.6
	6H	3.9	4.7	4.3	5.1	5.5	4.9	5.7	5.4	6.1	6.5
	8H	3.9	4.6	4.3	5.0	5.4	4.9	5.6	5.3	6.0	6.4
	12H	3.8	4.5	4.2	4.9	5.3	4.8	5.5	5.3	5.9	6.3
4H	2H	4.0	4.8	4.4	5.2	5.6	5.0	5.8	5.4	6.2	6.6
	3H	3.9	4.6	4.3	5.0	5.4	4.9	5.6	5.3	6.0	6.4
	4H	3.8	4.4	4.3	4.9	5.3	4.8	5.5	5.3	5.9	6.3
	6H	3.8	4.3	4.2	4.7	5.2	4.8	5.3	5.2	5.7	6.2
	8H	3.7	4.2	4.2	4.6	5.1	4.7	5.2	5.2	5.6	6.1
	12H	3.6	4.0	4.1	4.5	5.0	4.6	5.0	5.1	5.5	6.0
8H	4H	3.7	4.2	4.2	4.6	5.1	4.7	5.2	5.2	5.6	6.1
	6H	3.6	4.0	4.1	4.5	5.0	4.6	5.0	5.1	5.5	6.0
	8H	3.5	3.8	4.0	4.4	4.9	4.5	4.8	5.0	5.4	5.9
	12H	3.4	3.7	4.0	4.2	4.8	4.4	4.7	5.0	5.2	5.8
12H	4H	3.6	4.0	4.1	4.5	5.0	4.6	5.0	5.1	5.5	6.0
	6H	3.5	3.9	4.0	4.3	4.9	4.5	4.9	5.0	5.3	5.9
	8H	3.4	3.8	4.0	4.2	4.8	4.4	4.7	5.0	5.2	5.8

(END OF REPORT)