

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: P1590457

Luminaire Tested: HCDLS1525CSD4TRC-LO-2700K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590457
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-2700K
Description: 4" Selectable Round Trim + Specular Clear 1500 Lumens 2700K

Light Source:
Ballast/Driver: -

Summary

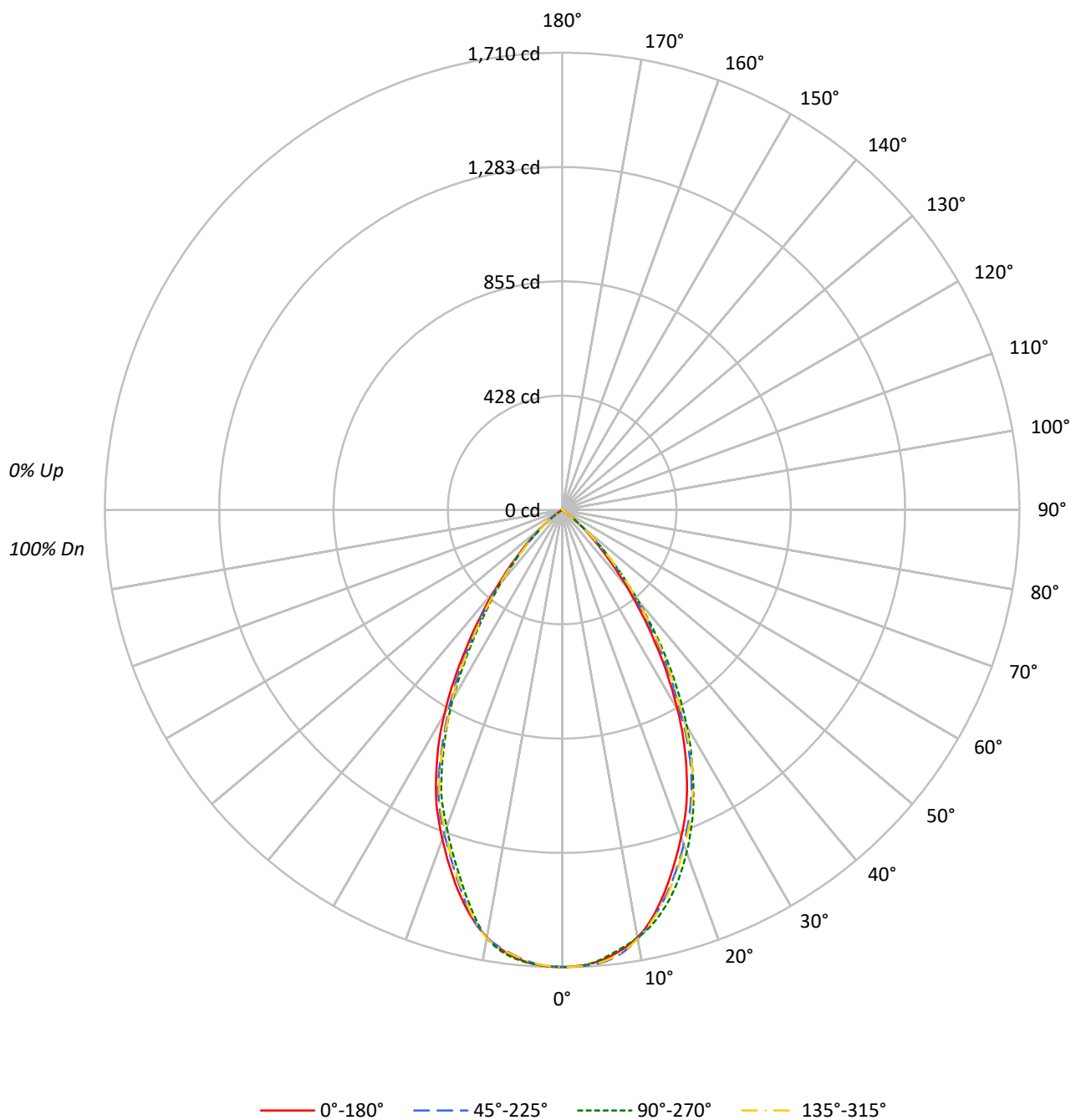
Lumens per Lamp: N/A
Luminaire Lumens: 1671.5 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	210835	210835	210835	210835
5°	209263	208817	209498	209783
10°	203253	203516	203216	203479
15°	188940	194252	189591	184713
20°	170876	178739	171979	165797
25°	150183	158063	151979	144753
30°	122872	132742	125535	116392
35°	91235	102709	93162	84594
40°	60864	70702	63296	57129
45°	35707	42824	37766	34905
50°	17462	20033	18709	17961
55°	5699	6043	6064	6150
60°	1332	1480	1381	1529
65°	642	759	671	788
70°	361	469	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: 42824 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.4	9.5
10°-20°	413.9	24.8
20°-30°	505.7	30.3
30°-40°	385.3	23.0
40°-50°	171.8	10.3
50°-60°	31.1	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°	1079.0	64.6
0°-40°	1464.3	87.6
0°-60°	1667.2	99.7
0°-90°	1670.5	99.9
90°-120°	0.0	0.0
90°-150°	0.5	0.0
90°-180°	1.0	0.1
0°-180°	1671.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1709	1709	1709	1709	1709	
5°	1690	1686	1692	1694	1690	159
15°	1480	1521	1485	1446	1480	413
25°	1104	1161	1117	1064	1104	502
35°	606	682	619	562	606	379
45°	205	246	216	200	205	163
55°	26	28	28	29	26	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°	1709.3	1709.3	1709.3	1709.3	1709.3	1709.3	1709.3	1709.3	1709.3	1709.3	1709.3
0.5°	1709.6	1709.0	1709.1	1709.6	1709.0	1709.1	1709.9	1709.6	1709.6	1709.0	1709.0
1°	1708.8	1708.8	1709.1	1709.6	1709.0	1709.1	1709.4	1709.4	1709.0	1708.4	1708.4
1.5°	1707.9	1708.2	1708.8	1709.0	1708.4	1708.8	1709.0	1708.8	1708.4	1707.5	1707.5
2°	1706.7	1707.3	1708.4	1708.2	1707.3	1707.8	1708.4	1708.2	1707.2	1705.8	1706.1
2.5°	1705.2	1706.7	1707.6	1706.9	1705.8	1706.3	1707.8	1707.3	1705.7	1704.0	1704.3
3°	1703.6	1705.8	1706.6	1705.1	1703.6	1704.5	1706.3	1706.3	1704.0	1701.5	1701.8
3.5°	1700.9	1704.8	1705.4	1702.8	1700.6	1702.1	1704.6	1704.8	1702.1	1698.3	1698.6
4°	1697.9	1703.3	1704.2	1699.8	1696.5	1698.8	1703.0	1703.3	1699.2	1694.4	1694.9
4.5°	1694.1	1701.2	1702.2	1696.1	1691.7	1694.7	1700.4	1701.2	1696.1	1689.9	1690.7
5°	1690.1	1698.6	1699.2	1691.4	1686.5	1689.8	1697.3	1698.8	1692.0	1685.0	1686.0
5.5°	1685.4	1695.2	1695.9	1686.6	1680.8	1684.7	1693.5	1695.5	1687.8	1679.6	1681.2
6°	1680.6	1691.0	1691.9	1681.1	1674.8	1679.0	1689.3	1691.6	1682.7	1674.0	1676.0
6.5°	1675.1	1686.2	1687.2	1675.5	1668.6	1673.1	1684.4	1686.9	1677.0	1668.3	1670.7
7°	1669.2	1680.3	1681.4	1669.5	1662.6	1667.1	1678.7	1681.4	1670.9	1662.2	1665.3
7.5°	1662.8	1673.7	1674.8	1663.1	1656.6	1660.7	1672.4	1674.9	1664.7	1656.0	1659.4
8°	1656.3	1666.5	1667.3	1656.0	1650.4	1654.0	1665.2	1667.3	1657.3	1649.7	1653.4
8.5°	1648.8	1658.2	1659.0	1648.6	1644.3	1647.6	1657.0	1659.3	1649.5	1642.6	1646.8
9°	1640.8	1649.1	1649.7	1641.0	1638.0	1640.2	1648.0	1650.0	1641.3	1635.4	1639.6
9.5°	1632.0	1639.0	1639.8	1632.7	1631.7	1632.6	1638.6	1639.8	1632.6	1627.5	1631.8
10°	1622.8	1628.4	1629.0	1623.9	1624.9	1624.3	1628.2	1629.0	1622.5	1619.1	1623.0
10.5°	1612.6	1616.8	1617.4	1614.4	1617.6	1615.9	1617.4	1617.1	1611.9	1609.0	1612.5
11°	1601.2	1604.7	1605.3	1604.4	1609.5	1606.6	1605.9	1605.3	1600.8	1598.5	1600.9
11.5°	1588.7	1591.5	1593.0	1593.9	1600.8	1597.0	1594.0	1592.7	1588.7	1586.8	1588.0
12°	1574.8	1577.8	1580.0	1582.1	1591.6	1586.6	1582.0	1579.6	1576.0	1573.1	1573.0
12.5°	1560.4	1563.7	1566.2	1570.9	1581.1	1575.2	1569.4	1566.1	1561.6	1558.4	1556.2
13°	1545.2	1549.4	1552.7	1558.6	1570.6	1564.0	1556.3	1551.7	1547.9	1543.1	1539.8
13.5°	1529.5	1534.3	1538.8	1546.3	1559.0	1552.4	1543.0	1537.7	1532.8	1526.9	1522.6
14°	1513.1	1518.8	1524.7	1532.9	1546.7	1539.7	1529.3	1522.7	1517.4	1510.2	1504.5
14.5°	1496.6	1503.2	1510.2	1519.7	1534.1	1526.8	1514.9	1507.8	1500.9	1493.0	1486.4
15°	1479.6	1487.3	1495.1	1505.7	1521.2	1512.9	1501.1	1492.6	1484.7	1475.5	1467.6
15.5°	1462.1	1471.0	1480.0	1491.2	1507.7	1499.0	1485.9	1476.9	1468.2	1457.8	1448.8
16°	1444.8	1454.2	1464.3	1475.6	1493.2	1484.3	1470.7	1460.5	1451.1	1439.5	1430.4
16.5°	1427.5	1437.8	1448.5	1460.6	1478.6	1469.2	1454.6	1444.0	1433.8	1421.4	1412.1
17°	1409.8	1421.0	1432.3	1444.9	1463.3	1453.6	1438.5	1427.3	1416.2	1403.4	1393.8
17.5°	1391.6	1403.9	1415.4	1428.7	1447.6	1437.6	1422.3	1409.8	1398.5	1385.4	1375.6
18°	1373.5	1386.4	1398.4	1411.8	1430.9	1421.4	1405.3	1392.7	1381.1	1367.4	1357.5
18.5°	1355.6	1368.7	1381.4	1394.9	1414.3	1404.5	1388.4	1375.7	1363.4	1349.4	1339.8
19°	1337.6	1350.9	1364.7	1377.9	1396.8	1387.5	1371.7	1358.4	1345.1	1331.9	1322.0
19.5°	1319.9	1333.4	1347.6	1360.6	1379.8	1370.3	1354.9	1340.6	1327.5	1314.5	1306.2
20°	1301.8	1315.5	1330.4	1343.2	1361.7	1353.2	1338.0	1323.7	1310.2	1297.1	1289.1
20.5°	1284.0	1298.2	1313.0	1325.6	1344.0	1335.7	1320.6	1307.1	1292.1	1279.7	1272.0
21°	1266.0	1280.0	1295.3	1307.5	1325.8	1317.4	1303.4	1289.7	1274.0	1262.3	1254.9
21.5°	1248.2	1262.1	1277.9	1289.3	1306.4	1298.6	1286.1	1272.3	1255.9	1244.8	1237.8
22°	1229.4	1243.6	1259.5	1270.1	1287.0	1279.7	1268.9	1254.8	1237.7	1227.4	1219.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1210.5	1225.6	1241.3	1251.6	1267.6	1260.9	1251.6	1237.4	1221.1	1208.1	1200.5
23°	1190.1	1206.2	1222.8	1231.0	1248.2	1242.0	1234.4	1218.2	1201.4	1187.6	1181.0
23.5°	1169.7	1187.0	1204.0	1211.7	1228.8	1223.1	1214.8	1199.2	1180.9	1167.0	1160.4
24°	1148.1	1167.0	1184.2	1190.2	1206.2	1201.9	1195.7	1179.7	1159.8	1145.9	1138.1
24.5°	1126.2	1146.2	1165.0	1169.6	1184.3	1180.9	1175.9	1159.4	1138.4	1123.4	1114.8
25°	1103.5	1124.7	1144.5	1147.2	1161.4	1159.1	1155.6	1138.9	1116.7	1100.6	1090.7
25.5°	1081.1	1103.3	1123.7	1125.9	1139.2	1137.2	1134.6	1118.1	1094.7	1077.1	1065.5
26°	1058.3	1080.8	1102.0	1103.3	1116.8	1114.9	1113.3	1096.4	1072.6	1053.5	1039.0
26.5°	1036.2	1058.2	1079.8	1080.6	1094.1	1092.3	1090.8	1073.6	1049.7	1029.2	1012.5
27°	1012.4	1035.1	1055.6	1057.8	1071.3	1069.3	1067.6	1050.6	1027.0	1004.7	986.3
27.5°	988.9	1011.9	1030.6	1034.5	1049.2	1046.7	1043.8	1027.1	1004.3	979.3	961.0
28°	964.6	988.3	1004.7	1010.9	1026.5	1023.8	1018.1	1002.8	980.6	954.5	935.8
28.5°	940.2	962.7	977.8	986.5	1003.7	1000.0	992.6	977.8	956.6	929.1	910.5
29°	914.5	938.4	950.6	962.2	980.5	976.7	965.9	952.0	932.0	904.3	886.6
29.5°	889.4	912.8	922.3	937.7	956.9	952.5	938.7	925.3	906.8	879.8	862.4
30°	862.7	886.3	894.8	912.3	932.0	927.9	910.4	897.8	881.4	855.2	838.2
30.5°	837.0	858.7	867.6	885.8	907.3	902.2	882.7	870.0	854.9	830.3	813.7
31°	811.2	832.0	841.2	859.6	882.2	876.9	855.8	842.2	829.1	806.2	788.7
31.5°	785.7	803.8	815.4	833.2	857.3	850.9	829.6	814.3	802.3	782.0	763.7
32°	759.9	776.6	790.5	806.5	832.0	824.7	804.3	787.5	777.0	758.1	738.4
32.5°	735.1	748.7	765.6	780.2	807.6	798.6	779.1	761.4	749.6	733.6	713.2
33°	710.1	723.2	741.7	754.1	783.0	771.9	755.4	735.7	722.8	709.8	687.7
33.5°	685.0	696.1	717.4	727.9	758.1	745.8	731.2	710.7	696.0	685.0	662.0
34°	660.3	671.5	693.4	703.3	732.7	720.2	707.4	686.3	670.4	660.4	637.9
34.5°	635.2	645.8	668.5	678.7	707.4	695.1	683.5	662.2	643.9	635.4	613.3
35°	605.9	621.1	643.8	654.9	682.1	670.5	659.5	638.8	618.7	609.9	590.3
35.5°	582.7	597.4	619.9	631.7	656.9	646.2	635.1	614.6	594.2	585.0	567.9
36°	559.5	573.7	596.4	609.4	631.1	622.5	611.0	590.3	570.7	560.6	546.0
36.5°	536.2	550.0	572.9	586.3	605.9	598.4	586.9	566.3	546.3	536.4	523.8
37°	513.0	526.3	549.4	563.1	580.7	575.1	563.0	542.5	523.2	512.9	502.7
37.5°	489.0	502.5	525.9	540.0	556.1	552.0	539.4	518.4	500.6	489.4	481.0
38°	465.4	481.0	502.4	516.8	532.0	529.2	517.4	495.4	478.3	467.3	459.8
38.5°	442.6	459.0	480.7	493.9	507.8	506.3	495.1	473.1	456.2	445.5	438.2
39°	420.8	438.0	459.8	471.9	484.5	484.7	474.1	451.2	435.0	424.3	417.4
39.5°	399.0	416.9	438.4	449.8	461.6	462.2	453.1	430.4	413.9	402.6	396.7
40°	378.0	396.8	417.6	428.1	439.1	440.8	432.4	410.4	393.1	381.8	376.4
40.5°	358.0	377.4	397.3	406.9	417.5	418.4	411.7	390.3	372.5	361.4	356.4
41°	338.5	357.8	376.9	386.3	395.9	397.5	391.4	371.0	352.6	341.6	337.3
41.5°	319.3	338.7	356.4	366.2	375.5	376.4	371.2	352.2	333.4	322.2	319.0
42°	301.3	321.0	337.4	346.9	355.4	356.4	351.1	334.1	314.9	303.1	301.3
42.5°	283.9	303.0	318.1	327.5	336.0	336.1	331.2	315.8	297.0	285.0	283.3
43°	266.9	285.3	299.5	307.9	316.9	316.9	311.9	298.3	279.8	267.7	266.1
43.5°	250.1	267.6	281.2	289.0	298.1	297.6	293.1	280.9	262.7	250.9	248.7
44°	234.6	250.8	264.4	270.5	279.7	279.6	275.1	264.2	246.9	235.0	232.7
44.5°	219.4	234.6	247.5	252.5	262.2	261.5	257.4	247.4	231.3	219.7	216.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	204.7	219.2	231.4	235.1	245.5	244.4	240.5	231.5	216.5	204.9	200.6
45.5°	190.5	203.8	215.9	217.8	228.6	227.1	224.3	216.0	202.1	190.7	185.4
46°	177.5	189.5	200.5	201.7	212.6	211.0	208.4	201.0	188.0	177.3	171.8
46.5°	164.5	175.2	185.4	186.0	196.8	194.9	193.3	186.2	174.9	165.6	159.6
47°	152.4	162.4	171.0	171.2	182.3	179.7	178.3	172.3	163.3	153.9	147.5
47.5°	140.6	149.3	156.9	156.8	169.0	166.6	165.1	159.9	151.7	142.2	135.3
48°	129.8	137.6	143.6	143.4	155.7	153.4	152.1	147.6	140.1	130.6	123.2
48.5°	119.2	125.6	130.8	130.8	142.4	140.2	139.0	135.2	128.5	118.9	113.3
49°	109.4	115.0	118.6	119.0	129.1	127.1	126.0	122.9	116.9	109.1	104.2
49.5°	100.1	104.7	106.9	107.8	115.9	113.9	113.0	110.7	107.0	99.8	95.9
50°	91.0	95.0	96.0	97.1	104.4	103.0	102.0	100.3	97.5	91.3	88.1
50.5°	82.4	85.3	86.0	87.1	93.5	92.6	91.7	90.5	88.6	83.2	80.8
51°	74.6	76.9	76.9	77.8	83.7	83.1	82.2	81.3	79.9	75.6	73.8
51.5°	67.0	68.7	68.3	69.1	74.3	74.1	73.5	72.7	72.0	68.5	67.4
52°	60.0	61.2	60.6	61.3	65.7	65.8	65.2	64.8	64.2	61.7	61.1
52.5°	53.9	55.0	54.4	55.0	57.7	58.0	57.5	57.2	57.0	55.3	55.0
53°	47.8	48.8	48.3	48.7	50.4	50.9	50.5	50.2	50.1	49.1	49.1
53.5°	41.8	42.6	42.1	42.4	43.7	44.2	44.0	43.7	43.9	43.2	43.6
54°	35.7	36.5	36.0	36.1	37.7	38.2	38.2	37.7	38.0	37.8	38.3
54.5°	30.9	30.3	29.8	29.8	32.5	33.0	33.0	32.5	32.8	32.8	33.4
55°	26.5	26.0	25.6	25.7	28.1	28.6	28.5	28.1	28.2	28.3	28.9
55.5°	22.6	22.0	21.6	21.6	24.0	24.5	24.4	24.0	24.1	24.3	24.9
56°	18.7	18.0	17.7	17.6	20.1	20.3	20.3	21.3	21.1	21.6	20.9
56.5°	15.1	14.6	14.3	14.3	17.7	18.0	18.0	18.7	18.2	18.9	18.3
57°	12.3	11.8	11.5	11.7	15.4	15.7	15.6	16.1	15.2	16.2	15.8
57.5°	10.1	9.8	9.6	9.8	13.1	13.4	13.3	13.5	12.3	13.4	13.4
58°	8.6	8.3	8.2	8.4	10.7	11.1	11.0	10.9	9.3	10.7	10.9
58.5°	7.4	7.2	7.1	7.3	8.4	8.8	8.7	8.3	8.1	8.0	8.4
59°	6.5	6.3	6.2	6.4	7.4	7.7	7.6	7.3	7.0	7.0	7.3
59.5°	5.9	5.7	5.7	5.9	6.6	6.9	6.8	6.5	6.2	6.2	6.4
60°	5.4	5.2	5.2	5.4	6.0	6.2	6.1	5.8	5.6	5.5	5.7
60.5°	4.9	4.7	4.7	4.9	5.4	5.6	5.5	5.2	5.0	5.0	5.1
61°	4.3	4.2	4.2	4.4	4.9	5.1	5.0	4.7	4.5	4.5	4.6
61.5°	3.9	3.8	3.8	4.0	4.5	4.7	4.6	4.3	4.1	4.1	4.2
62°	3.6	3.5	3.5	3.6	4.1	4.3	4.2	3.9	3.8	3.7	3.8
62.5°	3.3	3.2	3.2	3.4	3.8	3.9	3.9	3.6	3.5	3.4	3.5
63°	3.0	2.9	3.0	3.1	3.5	3.6	3.6	3.3	3.2	3.1	3.2
63.5°	2.8	2.7	2.7	2.9	3.2	3.4	3.3	3.1	2.9	2.9	3.0
64°	2.6	2.5	2.5	2.6	3.0	3.1	3.0	2.8	2.7	2.7	2.8
64.5°	2.4	2.3	2.3	2.5	2.8	2.9	2.8	2.6	2.5	2.5	2.6
65°	2.2	2.2	2.2	2.3	2.6	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	2.2	2.1	2.2
66°	1.9	1.9	1.9	2.0	2.2	2.3	2.3	2.1	2.0	2.0	2.0
66.5°	1.8	1.7	1.7	1.8	2.1	2.2	2.1	2.0	1.9	1.9	1.9
67°	1.6	1.6	1.6	1.7	1.9	2.0	2.0	1.8	1.7	1.7	1.8

TEST NUMBER: P1590457

CATALOG NUMBER: HCDLS1525CSD4TRC-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	1.8	1.7	1.6	1.5	1.5	1.5
68.5°	1.3	1.3	1.3	1.4	1.6	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	1.4	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	1.3	1.3	1.3	1.2	1.1	1.1	1.1
70.5°	1.0	0.9	1.0	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	1.0	1.0
71.5°	0.8	0.8	0.8	0.9	1.0	1.1	1.0	0.9	0.9	0.9	0.9
72°	0.8	0.7	0.8	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	0.8	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	0.6	0.5	0.5	0.5	0.5	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	0.4
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	0.2	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	0.0	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: P1590457

CATALOG NUMBER: HCDLS1525CSD4TRC-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: P1590457

CATALOG NUMBER: HCDLS1525CSD4TRC-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	0.2	0.2	0.2	0.2	0.2	0.2
131°	0.2	0.2	0.2	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	0.3	0.3

TEST NUMBER: P1590457

CATALOG NUMBER: HCDLS1525CSD4TRC-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	0.4
139°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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	0.4	0.4	0.5
142.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	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	0.5	0.5	0.6
146°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.6	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	0.4	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	0.4	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	0.6	0.6
149.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	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	0.7	0.7	0.7
153.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	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°	0.4	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°	0.5	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
156.5°	0.5	0.4	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: P1590457

CATALOG NUMBER: HCDLS1525CSD4TRC-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	0.9	0.8
158.5°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.9	0.9	0.9
159°	0.5	0.5	0.5	0.4	0.8	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	0.8	0.8	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	0.8	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	0.8	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	0.8	0.8
175.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.8	0.8	0.8	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	0.6	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	0.6



TEST NUMBER: P1590457
CATALOG NUMBER: HCDLS1525CSD4TRC-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: P1590457

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1709.3	1709.3	1709.3	1709.3	1709.3	1709.3
0.5°	1709.4	1708.2	1708.8	1709.4	1709.3	1709.6
1°	1709.0	1707.8	1708.4	1708.7	1708.5	1708.8
1.5°	1708.2	1707.0	1707.8	1707.6	1707.3	1707.9
2°	1707.3	1706.1	1706.4	1705.8	1705.7	1706.7
2.5°	1705.7	1705.1	1705.1	1704.0	1703.9	1705.2
3°	1704.2	1704.0	1703.6	1701.5	1700.9	1703.6
3.5°	1701.9	1702.2	1701.3	1698.5	1697.4	1700.9
4°	1699.4	1700.0	1698.8	1694.9	1693.7	1697.9
4.5°	1695.9	1697.4	1695.8	1691.0	1689.5	1694.1
5°	1692.3	1694.3	1692.5	1686.5	1684.7	1690.1
5.5°	1688.6	1690.8	1688.7	1682.0	1679.7	1685.4
6°	1684.2	1686.8	1684.7	1677.3	1674.3	1680.6
6.5°	1679.4	1682.4	1680.0	1672.5	1669.4	1675.1
7°	1674.3	1676.9	1675.1	1667.4	1663.7	1669.2
7.5°	1668.8	1671.0	1669.1	1662.3	1658.2	1662.8
8°	1662.5	1664.1	1662.6	1656.0	1652.2	1656.3
8.5°	1655.8	1656.3	1655.1	1649.8	1645.9	1648.8
9°	1647.9	1647.0	1646.7	1642.3	1638.9	1640.8
9.5°	1639.2	1636.8	1636.9	1634.2	1631.1	1632.0
10°	1629.0	1624.6	1625.7	1624.3	1622.5	1622.8
10.5°	1617.3	1611.3	1612.6	1613.8	1612.9	1612.6
11°	1604.2	1596.1	1598.2	1601.2	1602.0	1601.2
11.5°	1588.7	1579.1	1581.8	1586.9	1589.5	1588.7
12°	1572.4	1561.0	1564.4	1570.7	1574.9	1574.8
12.5°	1554.8	1543.0	1546.3	1554.1	1559.3	1560.4
13°	1537.0	1523.9	1527.4	1536.2	1543.6	1545.2
13.5°	1518.5	1505.4	1508.4	1517.9	1526.8	1529.5
14°	1499.7	1485.7	1489.2	1499.2	1509.0	1513.1
14.5°	1480.4	1466.4	1469.9	1480.7	1491.2	1496.6
15°	1461.2	1446.5	1450.2	1461.2	1473.0	1479.6
15.5°	1442.4	1427.5	1431.2	1443.0	1454.4	1462.1
16°	1423.8	1408.7	1412.8	1424.0	1435.8	1444.8
16.5°	1405.0	1390.7	1394.4	1405.9	1418.3	1427.5
17°	1387.0	1371.9	1375.7	1387.8	1399.9	1409.8
17.5°	1369.1	1353.6	1358.1	1369.5	1382.1	1391.6
18°	1351.2	1335.1	1339.6	1351.4	1363.6	1373.5
18.5°	1332.9	1316.9	1321.4	1333.6	1345.5	1355.6
19°	1315.6	1298.9	1303.9	1315.7	1327.2	1337.6
19.5°	1298.7	1280.4	1286.2	1298.2	1309.4	1319.9
20°	1281.9	1263.1	1269.2	1280.6	1291.2	1301.8
20.5°	1265.0	1245.1	1251.5	1263.6	1273.5	1284.0
21°	1248.1	1228.0	1234.1	1245.6	1255.4	1266.0
21.5°	1231.2	1210.1	1216.7	1227.9	1237.2	1248.2
22°	1213.9	1192.7	1199.3	1210.0	1219.5	1229.4

TEST NUMBER: P1590457

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1196.0	1174.6	1180.9	1192.1	1200.5	1210.5
23°	1176.4	1155.2	1161.2	1172.8	1180.4	1190.1
23.5°	1155.3	1134.2	1140.7	1152.2	1160.2	1169.7
24°	1133.8	1111.6	1118.7	1130.2	1138.4	1148.1
24.5°	1111.5	1086.9	1096.0	1106.6	1115.4	1126.2
25°	1088.2	1063.6	1072.2	1082.3	1091.2	1103.5
25.5°	1063.7	1039.7	1048.0	1057.0	1067.2	1081.1
26°	1039.3	1016.0	1023.5	1030.9	1042.3	1058.3
26.5°	1013.9	991.3	998.6	1004.8	1016.9	1036.2
27°	987.7	968.0	973.5	978.2	990.3	1012.4
27.5°	961.2	944.1	947.5	951.6	964.3	988.9
28°	934.1	919.5	921.5	925.4	939.7	964.6
28.5°	907.3	894.7	896.0	899.4	915.0	940.2
29°	881.4	869.6	870.4	874.2	890.8	914.5
29.5°	855.8	843.5	844.8	849.2	866.9	889.4
30°	830.4	817.2	818.4	824.7	843.5	862.7
30.5°	804.8	790.0	792.2	800.0	819.3	837.0
31°	780.0	764.0	766.1	775.3	795.3	811.2
31.5°	755.0	737.2	740.4	750.7	770.8	785.7
32°	730.6	711.3	715.0	725.8	745.5	759.9
32.5°	706.2	685.8	689.9	701.1	720.3	735.1
33°	681.8	660.7	665.6	676.2	694.8	710.1
33.5°	657.1	635.1	641.7	650.8	669.0	685.0
34°	632.9	607.0	619.2	626.7	643.2	660.3
34.5°	608.7	584.3	595.8	603.7	618.4	635.2
35°	585.4	561.8	572.4	580.7	594.9	605.9
35.5°	561.9	539.2	548.9	557.7	571.5	582.7
36°	539.5	516.6	525.5	534.7	548.0	559.5
36.5°	516.9	494.7	502.1	511.7	524.5	536.2
37°	494.6	473.1	479.9	490.1	501.1	513.0
37.5°	472.7	452.1	457.9	468.7	479.3	489.0
38°	451.3	432.1	436.3	448.1	457.7	465.4
38.5°	430.6	412.3	415.3	427.0	435.9	442.6
39°	410.4	393.2	396.2	406.7	415.0	420.8
39.5°	390.3	373.7	376.8	386.0	393.8	399.0
40°	370.3	354.8	357.9	366.1	372.8	378.0
40.5°	351.5	336.9	339.6	346.3	351.8	358.0
41°	332.9	319.6	322.1	327.1	332.2	338.5
41.5°	315.0	302.8	304.9	308.6	312.4	319.3
42°	297.5	286.6	288.1	290.7	293.8	301.3
42.5°	280.3	271.0	272.0	272.6	275.6	283.9
43°	263.9	256.0	256.1	256.4	258.5	266.9
43.5°	248.1	241.3	241.0	239.5	241.7	250.1
44°	233.1	227.1	226.4	223.6	225.7	234.6
44.5°	218.5	213.3	212.5	208.0	210.0	219.4

TEST NUMBER: P1590457

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	204.3	200.1	198.8	193.4	195.1	204.7
45.5°	190.9	187.4	186.0	179.1	181.0	190.5
46°	177.9	175.3	173.7	165.7	167.6	177.5
46.5°	165.8	163.4	161.8	152.9	154.6	164.5
47°	154.6	152.0	150.4	141.2	142.4	152.4
47.5°	143.5	141.1	139.4	130.2	131.2	140.6
48°	132.4	130.6	129.0	119.9	120.8	129.8
48.5°	121.2	120.9	119.1	110.6	111.2	119.2
49°	111.4	111.4	109.6	101.9	101.9	109.4
49.5°	102.1	102.3	100.6	93.9	93.9	100.1
50°	93.6	93.6	91.9	86.3	86.0	91.0
50.5°	85.4	85.3	83.8	79.1	78.8	82.4
51°	77.8	77.4	76.2	72.4	71.7	74.6
51.5°	70.5	69.8	69.0	65.9	65.3	67.0
52°	63.7	62.8	62.1	59.6	59.7	60.0
52.5°	57.1	56.9	56.3	54.1	53.9	53.9
53°	50.9	50.9	50.6	48.5	48.2	47.8
53.5°	45.2	45.0	44.8	43.0	42.4	41.8
54°	39.6	39.0	39.0	37.4	36.7	35.7
54.5°	34.4	33.1	33.3	32.7	31.8	30.9
55°	29.8	28.6	28.8	28.4	27.4	26.5
55.5°	25.8	24.6	24.9	24.4	23.7	22.6
56°	21.8	20.6	20.9	20.5	19.8	18.7
56.5°	19.2	17.0	17.3	16.9	16.1	15.1
57°	16.6	13.9	14.2	13.8	13.1	12.3
57.5°	14.1	11.6	11.9	11.5	10.9	10.1
58°	11.5	9.9	10.2	9.8	9.2	8.6
58.5°	8.9	8.6	8.8	8.5	8.0	7.4
59°	7.7	7.5	7.8	7.5	6.9	6.5
59.5°	6.8	6.7	6.9	6.7	6.1	5.9
60°	6.1	6.2	6.2	6.2	5.7	5.4
60.5°	5.5	5.7	5.7	5.7	5.2	4.9
61°	4.9	5.2	5.3	5.2	4.7	4.3
61.5°	4.5	4.7	4.8	4.7	4.2	3.9
62°	4.1	4.3	4.4	4.2	3.8	3.6
62.5°	3.8	3.9	4.1	3.9	3.5	3.3
63°	3.5	3.6	3.7	3.6	3.2	3.0
63.5°	3.2	3.3	3.5	3.3	3.0	2.8
64°	3.0	3.1	3.2	3.0	2.8	2.6
64.5°	2.7	2.9	3.0	2.8	2.6	2.4
65°	2.5	2.7	2.8	2.6	2.4	2.2
65.5°	2.4	2.5	2.6	2.4	2.2	2.0
66°	2.2	2.3	2.4	2.3	2.0	1.9
66.5°	2.0	2.1	2.2	2.1	1.9	1.8
67°	1.9	2.0	2.1	1.9	1.7	1.6

TEST NUMBER: P1590457

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	1.8	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	1.7	1.6	1.4	1.3
69°	1.4	1.5	1.5	1.5	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	1.3	1.1	1.0
70.5°	1.1	1.2	1.2	1.2	1.0	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°	0.8	0.9	0.9	0.9	0.8	0.7
73°	0.8	0.8	0.8	0.8	0.7	0.6
73.5°	0.7	0.8	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	0.5	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: P1590457

CATALOG NUMBER: HCDLS1525CSD4TRC-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: P1590457

CATALOG NUMBER: HCDLS1525CSD4TRC-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	0.2	0.1	0.1	0.1
130.5°	0.2	0.2	0.2	0.2	0.2	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: P1590457

CATALOG NUMBER: HCDLS1525CSD4TRC-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	0.3	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°	0.6	0.3	0.3	0.3	0.3	0.3
146°	0.6	0.4	0.4	0.4	0.4	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	0.5	0.5	0.5
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: P1590457

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.8	0.4	0.5	0.5	0.5	0.5
158°	0.8	0.4	0.5	0.5	0.5	0.5
158.5°	0.9	0.4	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°	0.8	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°	0.7	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	0.6	0.6	0.6	0.6	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: P1590457
CATALOG NUMBER: HCDLS1525CSD4TRC-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: P1590457

CATALOG NUMBER: HCDLS1525CSD4TRC-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	5.2	4.5	5.5	5.8	5.1	6.2	5.5	6.5	6.8
	3H	4.1	5.0	4.4	5.3	5.7	5.1	6.0	5.4	6.3	6.7
	4H	4.0	4.8	4.4	5.2	5.6	5.0	5.8	5.4	6.2	6.6
	6H	3.9	4.7	4.3	5.0	5.4	4.9	5.7	5.3	6.0	6.4
	8H	3.8	4.6	4.3	4.9	5.4	4.8	5.6	5.3	5.9	6.4
	12H	3.8	4.5	4.2	4.8	5.3	4.8	5.5	5.2	5.9	6.3
4H	2H	3.9	4.8	4.4	5.1	5.5	4.9	5.8	5.3	6.1	6.5
	3H	3.9	4.6	4.3	5.0	5.4	4.9	5.5	5.3	6.0	6.4
	4H	3.8	4.4	4.3	4.8	5.3	4.8	5.4	5.2	5.8	6.3
	6H	3.7	4.2	4.2	4.7	5.2	4.7	5.2	5.2	5.7	6.1
	8H	3.6	4.1	4.1	4.6	5.1	4.6	5.1	5.1	5.6	6.0
	12H	3.6	4.0	4.1	4.5	5.0	4.6	5.0	5.1	5.5	5.9
8H	4H	3.7	4.1	4.1	4.6	5.1	4.6	5.1	5.1	5.6	6.0
	6H	3.5	3.9	4.1	4.4	4.9	4.5	4.9	5.0	5.4	5.9
	8H	3.5	3.8	4.0	4.3	4.8	4.4	4.8	5.0	5.3	5.8
	12H	3.4	3.7	3.9	4.2	4.8	4.4	4.7	4.9	5.2	5.8
12H	4H	3.6	4.0	4.1	4.5	5.0	4.6	5.0	5.1	5.5	5.9
	6H	3.5	3.8	4.0	4.3	4.8	4.4	4.8	5.0	5.3	5.8
	8H	3.4	3.7	3.9	4.2	4.8	4.4	4.7	4.9	5.2	5.8

(END OF REPORT)