

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: P1590487

Luminaire Tested: HCDLS1525CSD4TRMW-LO-2700K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590487
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: HCDLS1525CSD4TRMW-LO-2700K
Description: 4" Selectable Round Trim+Matte White (paintable) 1500 Lumens 2700K

Light Source:
Ballast/Driver: -

Summary

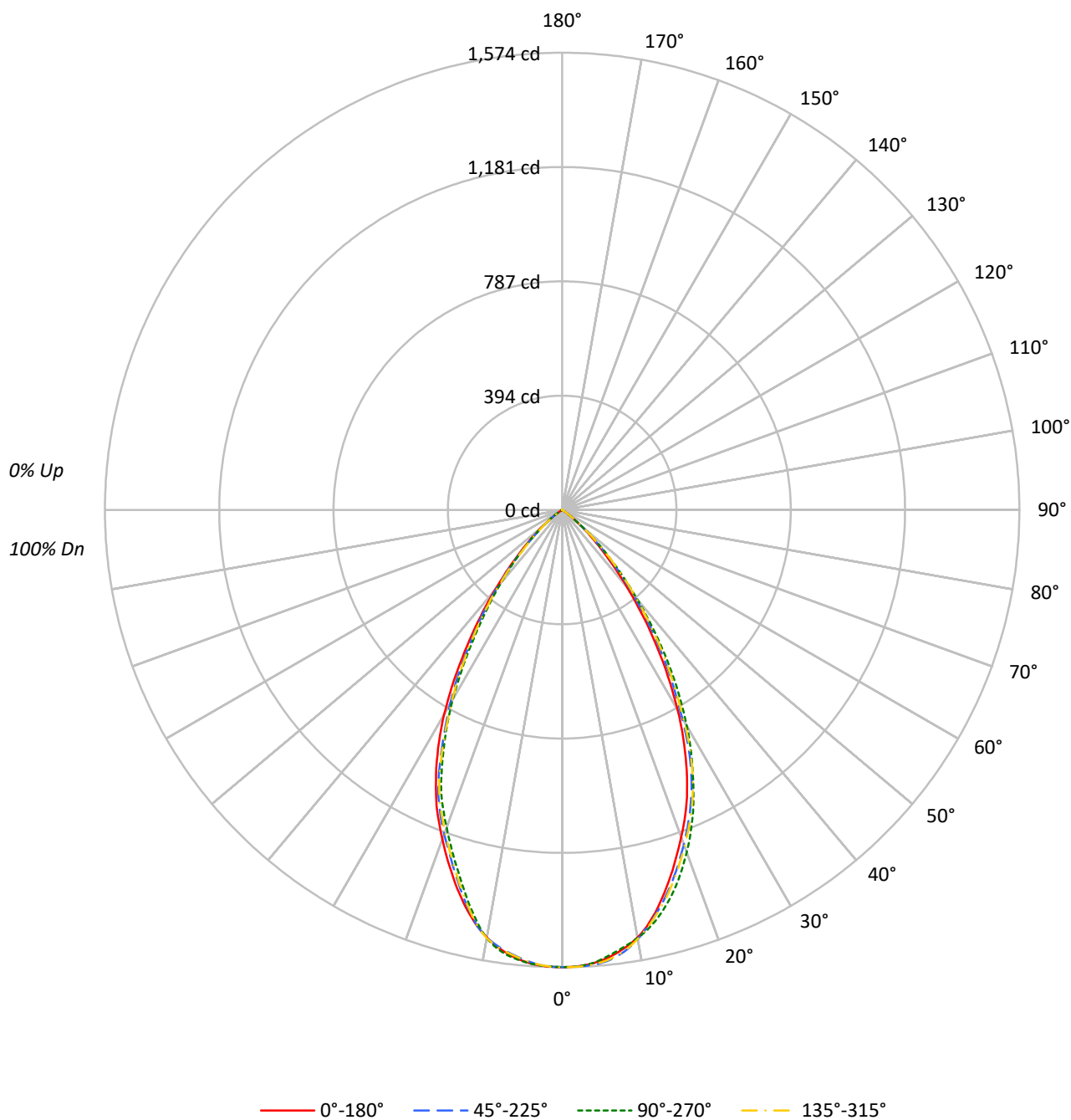
Lumens per Lamp: N/A
Luminaire Lumens: 1539.1 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	194134	194134	194134	194134
5°	192684	192275	192907	193167
10°	187159	187397	187121	187359
15°	173974	178865	174574	170079
20°	157343	164576	158367	152670
25°	138288	145542	139948	133280
30°	113144	122231	115594	107177
35°	84007	94578	85784	77894
40°	56034	65099	58288	52604
45°	32881	39440	34765	32131
50°	16081	18441	17232	16541
55°	5247	5570	5591	5656
60°	1233	1357	1258	1406
65°	584	700	642	700
70°	325	433	361	433
75°	191	238	238	238
80°	71	142	71	142
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 39440 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.8	9.5
10°-20°	381.1	24.8
20°-30°	465.6	30.3
30°-40°	354.7	23.0
40°-50°	158.2	10.3
50°-60°	28.6	1.9
60°-70°	2.5	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°	0.2	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	993.5	64.6
0°-40°	1348.3	87.6
0°-60°	1535.1	99.7
0°-90°	1538.2	99.9
90°-120°	0.0	0.0
90°-150°	0.5	0.0
90°-180°	1.0	0.1
0°-180°	1539.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1574	1574	1574	1574	1574	
5°	1556	1553	1558	1560	1556	147
15°	1362	1401	1367	1332	1362	380
25°	1016	1069	1028	979	1016	462
35°	558	628	570	517	558	349
45°	188	226	199	184	188	150
55°	24	26	26	26	24	27
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
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°	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9
0.5°	1574.2	1573.6	1573.8	1574.2	1573.6	1573.8	1574.4	1574.2	1574.2	1573.6	1573.6
1°	1573.5	1573.5	1573.8	1574.2	1573.6	1573.8	1574.0	1574.0	1573.6	1573.1	1573.1
1.5°	1572.7	1572.9	1573.5	1573.6	1573.1	1573.5	1573.6	1573.5	1573.1	1572.2	1572.2
2°	1571.5	1572.1	1573.1	1572.9	1572.1	1572.5	1573.1	1572.9	1572.0	1570.7	1571.0
2.5°	1570.2	1571.5	1572.4	1571.7	1570.7	1571.1	1572.5	1572.1	1570.6	1569.1	1569.3
3°	1568.6	1570.7	1571.4	1570.0	1568.6	1569.5	1571.1	1571.1	1569.1	1566.7	1567.0
3.5°	1566.2	1569.7	1570.3	1568.0	1565.9	1567.3	1569.6	1569.7	1567.3	1563.8	1564.1
4°	1563.4	1568.4	1569.2	1565.2	1562.1	1564.2	1568.1	1568.4	1564.6	1560.2	1560.6
4.5°	1559.9	1566.4	1567.4	1561.7	1557.7	1560.5	1565.7	1566.4	1561.7	1556.1	1556.8
5°	1556.2	1564.1	1564.6	1557.4	1552.9	1555.9	1562.8	1564.2	1558.0	1551.5	1552.5
5.5°	1551.9	1560.9	1561.6	1553.0	1547.6	1551.2	1559.4	1561.2	1554.1	1546.5	1548.0
6°	1547.5	1557.0	1557.9	1547.9	1542.1	1546.0	1555.5	1557.6	1549.4	1541.4	1543.2
6.5°	1542.4	1552.6	1553.6	1542.8	1536.4	1540.6	1551.0	1553.3	1544.2	1536.2	1538.4
7°	1537.0	1547.2	1548.2	1537.3	1530.9	1535.1	1545.7	1548.2	1538.5	1530.5	1533.4
7.5°	1531.0	1541.1	1542.1	1531.3	1525.4	1529.1	1539.9	1542.2	1532.8	1524.8	1528.0
8°	1525.1	1534.5	1535.2	1524.8	1519.7	1523.0	1533.3	1535.2	1526.1	1519.0	1522.5
8.5°	1518.2	1526.9	1527.6	1518.1	1514.0	1517.1	1525.8	1527.9	1518.9	1512.5	1516.4
9°	1510.9	1518.5	1519.0	1511.0	1508.2	1510.3	1517.5	1519.3	1511.3	1505.9	1509.8
9.5°	1502.7	1509.2	1509.9	1503.4	1502.4	1503.3	1508.8	1509.9	1503.3	1498.6	1502.6
10°	1494.3	1499.4	1499.9	1495.2	1496.2	1495.7	1499.3	1499.9	1494.0	1490.8	1494.4
10.5°	1484.9	1488.8	1489.3	1486.5	1489.4	1487.9	1489.3	1489.0	1484.2	1481.6	1484.7
11°	1474.4	1477.6	1478.1	1477.3	1482.0	1479.4	1478.7	1478.1	1474.0	1471.9	1474.1
11.5°	1462.9	1465.4	1466.8	1467.6	1474.0	1470.5	1467.7	1466.5	1462.9	1461.1	1462.2
12°	1450.1	1452.8	1454.9	1456.8	1465.5	1461.0	1456.7	1454.5	1451.2	1448.5	1448.4
12.5°	1436.8	1439.8	1442.2	1446.5	1455.9	1450.5	1445.1	1442.0	1437.9	1435.0	1432.9
13°	1422.8	1426.7	1429.7	1435.1	1446.2	1440.1	1433.1	1428.8	1425.3	1420.9	1417.8
13.5°	1408.3	1412.7	1416.9	1423.8	1435.5	1429.5	1420.8	1415.9	1411.4	1406.0	1402.0
14°	1393.2	1398.5	1403.9	1411.5	1424.2	1417.7	1408.2	1402.1	1397.3	1390.6	1385.4
14.5°	1378.1	1384.1	1390.6	1399.3	1412.6	1405.8	1394.9	1388.4	1382.0	1374.7	1368.7
15°	1362.4	1369.5	1376.7	1386.5	1400.7	1393.1	1382.2	1374.3	1367.1	1358.6	1351.4
15.5°	1346.3	1354.4	1362.8	1373.1	1388.3	1380.3	1368.2	1359.9	1351.9	1342.4	1334.1
16°	1330.4	1339.0	1348.3	1358.7	1374.9	1366.7	1354.3	1344.9	1336.1	1325.4	1317.1
16.5°	1314.4	1323.9	1333.7	1344.9	1361.4	1352.8	1339.4	1329.7	1320.2	1308.8	1300.3
17°	1298.1	1308.4	1318.8	1330.4	1347.4	1338.4	1324.6	1314.2	1304.0	1292.2	1283.4
17.5°	1281.4	1292.7	1303.3	1315.5	1333.0	1323.7	1309.7	1298.1	1287.7	1275.6	1266.6
18°	1264.7	1276.6	1287.6	1300.0	1317.6	1308.8	1294.0	1282.4	1271.7	1259.1	1250.0
18.5°	1248.2	1260.3	1272.0	1284.4	1302.3	1293.3	1278.5	1266.7	1255.4	1242.5	1233.7
19°	1231.7	1243.9	1256.6	1268.8	1286.2	1277.6	1263.1	1250.8	1238.5	1226.4	1217.3
19.5°	1215.4	1227.8	1240.9	1252.8	1270.5	1261.7	1247.5	1234.4	1222.4	1210.4	1202.7
20°	1198.7	1211.3	1225.0	1236.8	1253.8	1246.0	1232.0	1218.9	1206.5	1194.4	1187.0
20.5°	1182.3	1195.3	1209.0	1220.6	1237.5	1229.9	1216.0	1203.5	1189.8	1178.3	1171.3
21°	1165.7	1178.6	1192.7	1204.0	1220.8	1213.1	1200.1	1187.5	1173.1	1162.3	1155.5
21.5°	1149.3	1162.2	1176.7	1187.1	1202.9	1195.7	1184.2	1171.5	1156.4	1146.2	1139.8
22°	1132.0	1145.1	1159.8	1169.5	1185.0	1178.4	1168.4	1155.5	1139.7	1130.2	1122.5

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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°	1114.7	1128.5	1143.0	1152.5	1167.2	1161.0	1152.5	1139.4	1124.4	1112.4	1105.4
23°	1095.8	1110.7	1125.9	1133.5	1149.3	1143.6	1136.6	1121.7	1106.2	1093.5	1087.5
23.5°	1077.0	1093.0	1108.6	1115.7	1131.4	1126.2	1118.6	1104.2	1087.4	1074.5	1068.5
24°	1057.2	1074.6	1090.4	1095.9	1110.6	1106.7	1101.0	1086.3	1067.9	1055.1	1047.9
24.5°	1037.0	1055.4	1072.7	1076.9	1090.4	1087.3	1082.8	1067.6	1048.3	1034.4	1026.5
25°	1016.1	1035.6	1053.8	1056.3	1069.4	1067.3	1064.1	1048.7	1028.3	1013.4	1004.3
25.5°	995.5	1015.9	1034.7	1036.7	1049.0	1047.1	1044.7	1029.5	1008.0	991.7	981.1
26°	974.5	995.2	1014.7	1015.9	1028.4	1026.6	1025.1	1009.6	987.6	970.0	956.7
26.5°	954.2	974.3	994.2	995.0	1007.4	1005.8	1004.4	988.6	966.5	947.7	932.3
27°	932.2	953.1	972.0	974.0	986.4	984.6	983.0	967.4	945.7	925.1	908.2
27.5°	910.6	931.7	949.0	952.6	966.1	963.8	961.1	945.7	924.8	901.7	884.8
28°	888.2	910.0	925.2	930.8	945.2	942.7	937.4	923.3	903.0	878.9	861.7
28.5°	865.7	886.5	900.3	908.4	924.2	920.8	913.9	900.4	880.8	855.5	838.4
29°	842.1	864.0	875.3	886.0	902.9	899.3	889.4	876.6	858.2	832.7	816.3
29.5°	819.0	840.5	849.3	863.5	881.1	877.0	864.4	852.0	835.0	810.1	794.1
30°	794.4	816.1	823.9	840.0	858.2	854.4	838.3	826.7	811.6	787.4	771.8
30.5°	770.7	790.7	798.9	815.7	835.4	830.7	812.7	801.1	787.2	764.5	749.2
31°	746.9	766.1	774.6	791.6	812.4	807.4	788.0	775.5	763.4	742.3	726.2
31.5°	723.5	740.1	750.9	767.2	789.4	783.5	763.9	749.8	738.8	720.1	703.2
32°	699.7	715.1	727.9	742.6	766.1	759.3	740.6	725.1	715.5	698.0	679.9
32.5°	676.9	689.4	705.0	718.4	743.6	735.3	717.4	701.1	690.2	675.4	656.7
33°	653.9	665.9	683.0	694.4	721.0	710.8	695.6	677.4	665.6	653.6	633.2
33.5°	630.8	640.9	660.6	670.3	698.1	686.7	673.3	654.5	640.9	630.7	609.6
34°	608.0	618.3	638.5	647.6	674.7	663.2	651.4	631.9	617.3	608.1	587.4
34.5°	584.8	594.6	615.5	625.0	651.3	640.1	629.4	609.7	592.9	585.1	564.7
35°	557.9	571.9	592.8	603.0	628.1	617.4	607.3	588.2	569.7	561.6	543.6
35.5°	536.5	550.1	570.8	581.6	604.8	595.0	584.8	565.9	547.1	538.6	522.9
36°	515.2	528.2	549.2	561.1	581.1	573.2	562.6	543.5	525.5	516.2	502.7
36.5°	493.8	506.4	527.5	539.8	557.9	551.0	540.4	521.4	503.1	493.9	482.3
37°	472.4	484.6	505.9	518.5	534.7	529.5	518.4	499.6	481.7	472.3	462.9
37.5°	450.3	462.7	484.2	497.2	512.0	508.3	496.7	477.3	460.9	450.7	442.9
38°	428.6	442.9	462.6	475.9	489.9	487.3	476.4	456.2	440.4	430.2	423.3
38.5°	407.5	422.6	442.6	454.8	467.5	466.2	455.9	435.6	420.1	410.2	403.4
39°	387.4	403.3	423.4	434.5	446.1	446.3	436.5	415.5	400.5	390.7	384.4
39.5°	367.4	383.9	403.7	414.2	425.0	425.6	417.2	396.3	381.1	370.7	365.2
40°	348.0	365.3	384.5	394.2	404.3	405.9	398.2	377.9	362.0	351.5	346.6
40.5°	329.6	347.5	365.8	374.7	384.4	385.3	379.1	359.4	343.0	332.8	328.2
41°	311.7	329.5	347.1	355.7	364.6	366.0	360.4	341.6	324.6	314.6	310.6
41.5°	294.0	311.9	328.2	337.2	345.7	346.6	341.8	324.3	307.0	296.7	293.7
42°	277.4	295.6	310.6	319.4	327.2	328.1	323.3	307.7	289.9	279.1	277.4
42.5°	261.4	279.0	292.9	301.6	309.4	309.5	304.9	290.8	273.5	262.5	260.9
43°	245.7	262.7	275.8	283.5	291.8	291.8	287.2	274.7	257.7	246.5	245.0
43.5°	230.3	246.4	258.9	266.1	274.5	274.0	269.9	258.6	241.9	231.0	229.0
44°	216.1	231.0	243.5	249.1	257.6	257.5	253.3	243.3	227.3	216.4	214.3
44.5°	202.0	216.0	227.9	232.5	241.4	240.8	237.0	227.8	213.0	202.3	199.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	188.5	201.8	213.1	216.4	226.1	225.0	221.5	213.2	199.3	188.6	184.7
45.5°	175.4	187.7	198.8	200.6	210.5	209.1	206.5	198.9	186.1	175.6	170.7
46°	163.5	174.5	184.6	185.7	195.8	194.3	191.9	185.1	173.1	163.3	158.2
46.5°	151.5	161.3	170.7	171.2	181.2	179.5	178.0	171.5	161.1	152.5	147.0
47°	140.3	149.5	157.4	157.6	167.9	165.5	164.1	158.6	150.3	141.7	135.8
47.5°	129.4	137.5	144.5	144.4	155.6	153.4	152.1	147.2	139.7	131.0	124.6
48°	119.6	126.7	132.2	132.1	143.4	141.2	140.0	135.9	129.0	120.2	113.4
48.5°	109.7	115.7	120.4	120.4	131.1	129.1	128.0	124.5	118.3	109.5	104.3
49°	100.8	105.9	109.2	109.6	118.9	117.0	116.0	113.2	107.6	100.5	96.0
49.5°	92.2	96.4	98.4	99.3	106.7	104.9	104.0	101.9	98.5	91.9	88.3
50°	83.8	87.5	88.4	89.4	96.1	94.9	93.9	92.4	89.8	84.1	81.2
50.5°	75.9	78.6	79.2	80.2	86.1	85.3	84.4	83.3	81.6	76.6	74.4
51°	68.7	70.8	70.8	71.6	77.0	76.6	75.7	74.9	73.6	69.6	68.0
51.5°	61.7	63.3	62.9	63.7	68.4	68.3	67.7	66.9	66.3	63.1	62.0
52°	55.2	56.4	55.8	56.4	60.5	60.6	60.0	59.6	59.2	56.8	56.3
52.5°	49.7	50.7	50.1	50.6	53.1	53.4	53.0	52.7	52.5	50.9	50.6
53°	44.1	45.0	44.4	44.8	46.4	46.9	46.5	46.2	46.2	45.2	45.2
53.5°	38.5	39.3	38.8	39.0	40.2	40.7	40.5	40.3	40.5	39.8	40.1
54°	32.9	33.6	33.1	33.2	34.7	35.2	35.2	34.7	35.0	34.8	35.3
54.5°	28.4	27.9	27.5	27.5	29.9	30.4	30.4	29.9	30.2	30.2	30.8
55°	24.4	23.9	23.6	23.6	25.9	26.3	26.3	25.8	26.0	26.0	26.6
55.5°	20.8	20.2	19.9	19.9	22.1	22.5	22.5	22.1	22.2	22.4	22.9
56°	17.2	16.6	16.3	16.2	18.5	18.7	18.7	19.7	19.4	19.9	19.2
56.5°	13.9	13.4	13.1	13.2	16.3	16.5	16.5	17.2	16.7	17.4	16.9
57°	11.3	10.9	10.6	10.8	14.2	14.4	14.4	14.8	14.0	14.9	14.6
57.5°	9.3	9.0	8.9	9.0	12.0	12.3	12.3	12.4	11.3	12.4	12.3
58°	7.9	7.6	7.5	7.7	9.9	10.2	10.1	10.0	8.6	9.9	10.0
58.5°	6.8	6.6	6.5	6.7	7.8	8.1	8.0	7.6	7.4	7.4	7.7
59°	6.0	5.8	5.7	5.9	6.8	7.1	7.0	6.7	6.5	6.5	6.7
59.5°	5.5	5.3	5.3	5.4	6.1	6.3	6.3	5.9	5.7	5.7	5.9
60°	5.0	4.8	4.8	5.0	5.5	5.7	5.6	5.3	5.1	5.1	5.2
60.5°	4.5	4.3	4.3	4.5	5.0	5.2	5.1	4.8	4.6	4.6	4.7
61°	4.0	3.9	3.9	4.0	4.5	4.7	4.6	4.3	4.2	4.1	4.3
61.5°	3.6	3.5	3.5	3.7	4.1	4.3	4.2	4.0	3.8	3.8	3.9
62°	3.3	3.2	3.2	3.4	3.8	3.9	3.9	3.6	3.5	3.4	3.5
62.5°	3.0	3.0	3.0	3.1	3.5	3.6	3.6	3.3	3.2	3.1	3.2
63°	2.8	2.7	2.7	2.8	3.2	3.3	3.3	3.1	2.9	2.9	3.0
63.5°	2.6	2.5	2.5	2.6	3.0	3.1	3.0	2.8	2.7	2.7	2.8
64°	2.4	2.3	2.3	2.4	2.7	2.9	2.8	2.6	2.5	2.5	2.5
64.5°	2.2	2.1	2.2	2.3	2.5	2.7	2.6	2.4	2.3	2.3	2.4
65°	2.0	2.0	2.0	2.1	2.4	2.5	2.4	2.2	2.2	2.1	2.2
65.5°	1.9	1.8	1.9	1.9	2.2	2.3	2.2	2.1	2.0	2.0	2.0
66°	1.7	1.7	1.7	1.8	2.0	2.1	2.1	1.9	1.9	1.8	1.9
66.5°	1.6	1.6	1.6	1.7	1.9	2.0	1.9	1.8	1.7	1.7	1.8
67°	1.5	1.5	1.5	1.6	1.8	1.9	1.8	1.7	1.6	1.6	1.6

TEST NUMBER: P1590487

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	1.4	1.4	1.4	1.5	1.7	1.7	1.7	1.6	1.5	1.5	1.5
68°	1.3	1.3	1.3	1.4	1.5	1.6	1.6	1.5	1.4	1.4	1.4
68.5°	1.2	1.2	1.2	1.3	1.4	1.5	1.5	1.3	1.3	1.3	1.3
69°	1.1	1.1	1.1	1.2	1.3	1.4	1.4	1.3	1.2	1.2	1.2
69.5°	1.0	1.0	1.0	1.1	1.2	1.3	1.3	1.2	1.1	1.1	1.1
70°	0.9	0.9	0.9	1.0	1.2	1.2	1.2	1.1	1.0	1.0	1.1
70.5°	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.0	1.0	0.9	1.0
71°	0.8	0.8	0.8	0.9	1.0	1.0	1.0	0.9	0.9	0.9	0.9
71.5°	0.7	0.7	0.7	0.8	0.9	1.0	0.9	0.9	0.8	0.8	0.8
72°	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.8	0.8	0.8	0.8
72.5°	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7
73°	0.6	0.6	0.6	0.6	0.7	0.8	0.7	0.7	0.6	0.6	0.7
73.5°	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6
74°	0.5	0.5	0.5	0.5	0.6	0.7	0.6	0.6	0.5	0.5	0.6
74.5°	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
75°	0.4	0.4	0.4	0.4	0.5	0.6	0.5	0.5	0.5	0.5	0.5
75.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4
76°	0.3	0.3	0.3	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4
76.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.4
77°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3
77.5°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
78°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.3
78.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2
79°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
79.5°	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2
80.5°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1
81°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
81.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1
83°	0.0	0.0	0.0	0.0	0.0	0.1	0.0	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: P1590487

CATALOG NUMBER: HCDLS1525CSD4TRMW-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	0.0	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: P1590487

CATALOG NUMBER: HCDLS1525CSD4TRMW-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°	0.0	0.0	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	0.0
124.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	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	0.1	0.1
130.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
131°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
131.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
132°	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
132.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
133°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
133.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
134°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
134.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590487

CATALOG NUMBER: HCDLS1525CSD4TRMW-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	0.2	0.2	0.2	0.2
135.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
136°	0.2	0.2	0.2	0.2	0.2	0.2	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°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
139°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
139.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
140°	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4
140.5°	0.3	0.3	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4
141°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
141.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
142°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
142.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
143°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
143.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5
144°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
144.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
145°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
145.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
146°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
146.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
147°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
147.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.6
148°	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
148.5°	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
149°	0.4	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
149.5°	0.4	0.4	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
150°	0.4	0.4	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
150.5°	0.4	0.4	0.3	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
151°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
151.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.7	0.7	0.7
152°	0.4	0.4	0.4	0.4	0.6	0.7	0.7	0.7	0.7	0.7	0.7
152.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
153°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
153.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
154°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
154.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
155°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
155.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
156°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
156.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.8	0.8	0.8
157°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.8	0.8	0.8	0.8

TEST NUMBER: P1590487

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-2700K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1590487
CATALOG NUMBER: HCDLS1525CSD4TRMW-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: P1590487

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1573.9	1573.9	1573.9	1573.9	1573.9	1573.9
0.5°	1574.0	1572.9	1573.5	1574.0	1573.9	1574.2
1°	1573.6	1572.5	1573.1	1573.3	1573.2	1573.5
1.5°	1572.9	1571.8	1572.5	1572.4	1572.1	1572.7
2°	1572.1	1571.0	1571.3	1570.7	1570.6	1571.5
2.5°	1570.6	1570.0	1570.0	1569.1	1568.9	1570.2
3°	1569.2	1569.1	1568.6	1566.7	1566.2	1568.6
3.5°	1567.1	1567.4	1566.6	1563.9	1563.0	1566.2
4°	1564.8	1565.3	1564.2	1560.6	1559.5	1563.4
4.5°	1561.6	1563.0	1561.5	1557.0	1555.7	1559.9
5°	1558.3	1560.1	1558.4	1552.9	1551.2	1556.2
5.5°	1554.8	1556.9	1555.0	1548.7	1546.7	1551.9
6°	1550.8	1553.2	1551.2	1544.5	1541.7	1547.5
6.5°	1546.4	1549.2	1546.9	1540.0	1537.1	1542.4
7°	1541.7	1544.0	1542.4	1535.3	1531.9	1537.0
7.5°	1536.6	1538.7	1536.9	1530.6	1526.9	1531.0
8°	1530.8	1532.3	1530.9	1524.8	1521.4	1525.1
8.5°	1524.7	1525.1	1524.0	1519.2	1515.6	1518.2
9°	1517.4	1516.5	1516.3	1512.3	1509.1	1510.9
9.5°	1509.3	1507.1	1507.3	1504.8	1501.9	1502.7
10°	1499.9	1495.9	1496.9	1495.7	1494.0	1494.3
10.5°	1489.2	1483.6	1484.9	1486.0	1485.2	1484.9
11°	1477.1	1469.7	1471.6	1474.4	1475.1	1474.4
11.5°	1462.9	1454.1	1456.5	1461.2	1463.6	1462.9
12°	1447.8	1437.3	1440.5	1446.3	1450.2	1450.1
12.5°	1431.7	1420.8	1423.8	1431.0	1435.8	1436.8
13°	1415.2	1403.2	1406.4	1414.5	1421.3	1422.8
13.5°	1398.2	1386.2	1389.0	1397.7	1405.8	1408.3
14°	1380.9	1368.0	1371.3	1380.4	1389.5	1393.2
14.5°	1363.1	1350.2	1353.5	1363.4	1373.1	1378.1
15°	1345.4	1331.9	1335.3	1345.5	1356.4	1362.4
15.5°	1328.1	1314.4	1317.9	1328.7	1339.2	1346.3
16°	1311.0	1297.1	1300.9	1311.2	1322.1	1330.4
16.5°	1293.7	1280.5	1283.9	1294.5	1305.9	1314.4
17°	1277.1	1263.3	1266.7	1277.9	1289.0	1298.1
17.5°	1260.6	1246.4	1250.5	1261.0	1272.6	1281.4
18°	1244.2	1229.4	1233.5	1244.3	1255.6	1264.7
18.5°	1227.3	1212.6	1216.7	1228.0	1239.0	1248.2
19°	1211.4	1196.0	1200.7	1211.5	1222.0	1231.7
19.5°	1195.9	1179.0	1184.4	1195.4	1205.7	1215.4
20°	1180.3	1163.1	1168.7	1179.1	1188.9	1198.7
20.5°	1164.8	1146.5	1152.4	1163.5	1172.6	1182.3
21°	1149.3	1130.8	1136.4	1146.9	1156.0	1165.7
21.5°	1133.7	1114.3	1120.3	1130.7	1139.2	1149.3
22°	1117.8	1098.2	1104.3	1114.2	1122.9	1132.0

TEST NUMBER: P1590487

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1101.3	1081.5	1087.4	1097.7	1105.4	1114.7
23°	1083.2	1063.7	1069.3	1079.9	1086.9	1095.8
23.5°	1063.8	1044.4	1050.3	1060.9	1068.3	1077.0
24°	1044.0	1023.6	1030.1	1040.7	1048.2	1057.2
24.5°	1023.5	1000.8	1009.2	1019.0	1027.0	1037.0
25°	1002.0	979.3	987.2	996.6	1004.8	1016.1
25.5°	979.5	957.3	965.0	973.3	982.7	995.5
26°	957.0	935.5	942.5	949.3	959.8	974.5
26.5°	933.6	912.8	919.5	925.2	936.3	954.2
27°	909.5	891.3	896.4	900.7	911.8	932.2
27.5°	885.1	869.3	872.4	876.2	888.0	910.6
28°	860.1	846.6	848.5	852.1	865.2	888.2
28.5°	835.5	823.8	825.0	828.2	842.5	865.7
29°	811.6	800.7	801.5	804.9	820.2	842.1
29.5°	788.1	776.7	777.9	781.9	798.2	819.0
30°	764.6	752.5	753.6	759.4	776.7	794.4
30.5°	741.1	727.4	729.5	736.7	754.4	770.7
31°	718.2	703.5	705.4	713.9	732.3	746.9
31.5°	695.2	678.8	681.7	691.2	709.7	723.5
32°	672.7	654.9	658.4	668.4	686.4	699.7
32.5°	650.3	631.5	635.3	645.6	663.2	676.9
33°	627.8	608.4	612.8	622.7	639.8	653.9
33.5°	605.0	584.8	590.9	599.3	616.0	630.8
34°	582.8	558.9	570.2	577.0	592.3	608.0
34.5°	560.5	538.1	548.6	555.9	569.4	584.8
35°	539.1	517.3	527.0	534.7	547.8	557.9
35.5°	517.4	496.5	505.5	513.5	526.2	536.5
36°	496.8	475.7	483.9	492.4	504.6	515.2
36.5°	475.9	455.5	462.3	471.2	483.0	493.8
37°	455.4	435.6	441.8	451.3	461.4	472.4
37.5°	435.2	416.3	421.7	431.5	441.3	450.3
38°	415.6	397.8	401.7	412.6	421.5	428.6
38.5°	396.5	379.6	382.4	393.2	401.4	407.5
39°	377.8	362.0	364.8	374.5	382.1	387.4
39.5°	359.4	344.1	347.0	355.4	362.6	367.4
40°	341.0	326.7	329.5	337.1	343.3	348.0
40.5°	323.6	310.2	312.7	318.8	324.0	329.6
41°	306.6	294.3	296.6	301.2	305.9	311.7
41.5°	290.1	278.8	280.7	284.2	287.6	294.0
42°	274.0	263.9	265.3	267.7	270.6	277.4
42.5°	258.1	249.6	250.4	251.0	253.7	261.4
43°	243.0	235.7	235.8	236.1	238.1	245.7
43.5°	228.4	222.1	221.9	220.6	222.6	230.3
44°	214.6	209.1	208.5	205.9	207.8	216.1
44.5°	201.2	196.4	195.6	191.5	193.4	202.0

TEST NUMBER: P1590487

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	188.2	184.2	183.1	178.1	179.6	188.5
45.5°	175.7	172.5	171.3	164.9	166.7	175.4
46°	163.8	161.4	160.0	152.5	154.3	163.5
46.5°	152.6	150.5	149.0	140.8	142.4	151.5
47°	142.4	140.0	138.5	130.0	131.1	140.3
47.5°	132.1	130.0	128.3	119.9	120.8	129.4
48°	121.9	120.3	118.7	110.4	111.3	119.6
48.5°	111.6	111.3	109.6	101.8	102.4	109.7
49°	102.6	102.6	100.9	93.8	93.8	100.8
49.5°	94.0	94.2	92.7	86.5	86.4	92.2
50°	86.2	86.2	84.6	79.5	79.2	83.8
50.5°	78.6	78.5	77.2	72.8	72.5	75.9
51°	71.6	71.3	70.2	66.6	66.0	68.7
51.5°	64.9	64.3	63.5	60.7	60.2	61.7
52°	58.7	57.8	57.2	54.9	55.0	55.2
52.5°	52.6	52.4	51.9	49.8	49.7	49.7
53°	46.9	46.9	46.6	44.7	44.4	44.1
53.5°	41.6	41.4	41.3	39.6	39.1	38.5
54°	36.5	35.9	35.9	34.5	33.8	32.9
54.5°	31.7	30.5	30.6	30.1	29.3	28.4
55°	27.5	26.3	26.5	26.1	25.2	24.4
55.5°	23.8	22.7	22.9	22.5	21.8	20.8
56°	20.1	19.0	19.3	18.9	18.2	17.2
56.5°	17.7	15.6	16.0	15.5	14.9	13.9
57°	15.3	12.8	13.1	12.7	12.0	11.3
57.5°	12.9	10.7	10.9	10.6	10.0	9.3
58°	10.6	9.1	9.4	9.0	8.5	7.9
58.5°	8.2	7.9	8.1	7.8	7.3	6.8
59°	7.1	6.9	7.2	6.9	6.4	6.0
59.5°	6.3	6.2	6.4	6.1	5.6	5.5
60°	5.6	5.7	5.7	5.7	5.2	5.0
60.5°	5.0	5.3	5.3	5.2	4.8	4.5
61°	4.5	4.8	4.9	4.8	4.3	4.0
61.5°	4.1	4.4	4.5	4.3	3.9	3.6
62°	3.8	3.9	4.1	3.9	3.5	3.3
62.5°	3.5	3.6	3.7	3.6	3.3	3.0
63°	3.2	3.3	3.4	3.3	3.0	2.8
63.5°	2.9	3.1	3.2	3.0	2.8	2.6
64°	2.7	2.8	2.9	2.8	2.5	2.4
64.5°	2.5	2.6	2.7	2.6	2.4	2.2
65°	2.3	2.4	2.5	2.4	2.2	2.0
65.5°	2.2	2.3	2.4	2.2	2.0	1.9
66°	2.0	2.1	2.2	2.1	1.9	1.7
66.5°	1.9	2.0	2.0	1.9	1.7	1.6
67°	1.7	1.8	1.9	1.8	1.6	1.5

TEST NUMBER: P1590487

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	1.6	1.7	1.8	1.7	1.5	1.4
68°	1.5	1.6	1.6	1.5	1.4	1.3
68.5°	1.4	1.5	1.5	1.4	1.3	1.2
69°	1.3	1.4	1.4	1.3	1.2	1.1
69.5°	1.2	1.3	1.3	1.2	1.1	1.0
70°	1.1	1.2	1.2	1.2	1.0	0.9
70.5°	1.0	1.1	1.1	1.1	1.0	0.9
71°	1.0	1.0	1.1	1.0	0.9	0.8
71.5°	0.9	0.9	1.0	0.9	0.8	0.7
72°	0.8	0.9	0.9	0.9	0.8	0.7
72.5°	0.8	0.8	0.8	0.8	0.7	0.6
73°	0.7	0.8	0.8	0.7	0.6	0.6
73.5°	0.7	0.7	0.7	0.7	0.6	0.5
74°	0.6	0.6	0.7	0.6	0.5	0.5
74.5°	0.6	0.6	0.6	0.6	0.5	0.4
75°	0.5	0.5	0.6	0.5	0.5	0.4
75.5°	0.5	0.5	0.5	0.5	0.4	0.4
76°	0.4	0.5	0.5	0.4	0.4	0.3
76.5°	0.4	0.4	0.4	0.4	0.3	0.3
77°	0.4	0.4	0.4	0.4	0.3	0.3
77.5°	0.3	0.3	0.4	0.3	0.3	0.2
78°	0.3	0.3	0.3	0.3	0.2	0.2
78.5°	0.3	0.3	0.3	0.3	0.2	0.2
79°	0.2	0.2	0.3	0.2	0.2	0.2
79.5°	0.2	0.2	0.2	0.2	0.2	0.1
80°	0.2	0.2	0.2	0.2	0.1	0.1
80.5°	0.1	0.2	0.2	0.2	0.1	0.1
81°	0.1	0.1	0.1	0.1	0.1	0.1
81.5°	0.1	0.1	0.1	0.1	0.1	0.1
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	0.0	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: P1590487

CATALOG NUMBER: HCDLS1525CSD4TRMW-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: P1590487

CATALOG NUMBER: HCDLS1525CSD4TRMW-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	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.1	0.1	0.0	0.0	0.0
122.5°	0.0	0.1	0.1	0.1	0.1	0.0
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°	0.1	0.1	0.1	0.1	0.1	0.1
130°	0.1	0.1	0.1	0.1	0.1	0.1
130.5°	0.2	0.1	0.1	0.1	0.1	0.1
131°	0.2	0.2	0.2	0.1	0.1	0.1
131.5°	0.2	0.2	0.2	0.2	0.2	0.1
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°	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590487

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-2700K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1590487

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.8	0.4	0.4	0.4	0.4	0.4
158°	0.8	0.4	0.4	0.4	0.4	0.4
158.5°	0.8	0.4	0.4	0.4	0.4	0.4
159°	0.8	0.4	0.4	0.4	0.4	0.4
159.5°	0.8	0.4	0.4	0.4	0.4	0.4
160°	0.8	0.4	0.4	0.4	0.4	0.4
160.5°	0.8	0.4	0.4	0.4	0.4	0.4
161°	0.8	0.4	0.4	0.4	0.4	0.4
161.5°	0.8	0.4	0.4	0.5	0.5	0.4
162°	0.8	0.4	0.4	0.5	0.5	0.5
162.5°	0.8	0.4	0.4	0.5	0.5	0.5
163°	0.8	0.4	0.4	0.5	0.5	0.5
163.5°	0.8	0.4	0.4	0.5	0.5	0.5
164°	0.8	0.4	0.4	0.5	0.5	0.5
164.5°	0.8	0.4	0.4	0.5	0.5	0.5
165°	0.8	0.4	0.4	0.5	0.5	0.5
165.5°	0.8	0.4	0.4	0.5	0.5	0.5
166°	0.8	0.4	0.4	0.5	0.5	0.5
166.5°	0.8	0.4	0.4	0.5	0.5	0.5
167°	0.8	0.4	0.4	0.5	0.5	0.5
167.5°	0.8	0.4	0.4	0.5	0.5	0.5
168°	0.8	0.4	0.4	0.5	0.5	0.5
168.5°	0.8	0.4	0.4	0.5	0.5	0.5
169°	0.8	0.4	0.4	0.5	0.5	0.5
169.5°	0.8	0.4	0.4	0.5	0.5	0.5
170°	0.8	0.4	0.4	0.5	0.5	0.5
170.5°	0.8	0.4	0.4	0.5	0.5	0.4
171°	0.8	0.4	0.4	0.5	0.5	0.4
171.5°	0.8	0.4	0.4	0.5	0.5	0.4
172°	0.7	0.4	0.4	0.5	0.5	0.4
172.5°	0.7	0.4	0.4	0.5	0.4	0.4
173°	0.7	0.4	0.4	0.4	0.4	0.4
173.5°	0.7	0.4	0.4	0.4	0.4	0.4
174°	0.7	0.4	0.4	0.4	0.4	0.4
174.5°	0.7	0.4	0.4	0.5	0.5	0.4
175°	0.7	0.4	0.4	0.5	0.5	0.4
175.5°	0.7	0.4	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°	0.6	0.5	0.5	0.5	0.5	0.5
178°	0.6	0.5	0.5	0.5	0.5	0.5
178.5°	0.6	0.5	0.5	0.6	0.5	0.5
179°	0.6	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: P1590487

CATALOG NUMBER: HCDLS1525CSD4TRMW-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: P1590487

CATALOG NUMBER: HCDLS1525CSD4TRMW-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	3.8	4.9	4.2	5.2	5.5	4.8	5.9	5.2	6.2	6.5
	3H	3.8	4.7	4.1	5.0	5.4	4.7	5.7	5.1	6.0	6.4
	4H	3.7	4.5	4.1	4.9	5.3	4.7	5.5	5.1	5.9	6.3
	6H	3.6	4.3	4.0	4.7	5.1	4.6	5.3	5.0	5.7	6.1
	8H	3.5	4.2	4.0	4.6	5.1	4.5	5.2	5.0	5.6	6.1
	12H	3.5	4.2	3.9	4.5	5.0	4.5	5.2	4.9	5.5	6.0
4H	2H	3.6	4.5	4.1	4.8	5.2	4.6	5.5	5.0	5.8	6.2
	3H	3.6	4.3	4.0	4.7	5.1	4.6	5.2	5.0	5.7	6.1
	4H	3.5	4.1	4.0	4.5	5.0	4.5	5.1	4.9	5.5	6.0
	6H	3.4	3.9	3.9	4.4	4.9	4.4	4.9	4.9	5.4	5.8
	8H	3.3	3.8	3.8	4.3	4.8	4.3	4.8	4.8	5.2	5.7
	12H	3.3	3.7	3.8	4.2	4.7	4.3	4.7	4.7	5.2	5.6
8H	4H	3.4	3.8	3.8	4.3	4.8	4.3	4.8	4.8	5.2	5.7
	6H	3.2	3.6	3.8	4.1	4.6	4.2	4.6	4.7	5.1	5.6
	8H	3.2	3.5	3.7	4.0	4.5	4.1	4.5	4.7	5.0	5.5
	12H	3.1	3.4	3.6	3.9	4.5	4.1	4.4	4.6	4.9	5.5
12H	4H	3.3	3.7	3.8	4.2	4.7	4.3	4.7	4.7	5.2	5.6
	6H	3.2	3.5	3.7	4.0	4.5	4.1	4.5	4.7	5.0	5.5
	8H	3.1	3.4	3.6	3.9	4.5	4.1	4.4	4.6	4.9	5.5

(END OF REPORT)