

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: P1590488

Luminaire Tested: HCDLS1525CSD4TRMW-LO-3000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590488
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-3000K
Description: 4" Selectable Round Trim+Matte White (paintable) 1500 Lumens 3000K

Light Source:
Ballast/Driver: -

Summary

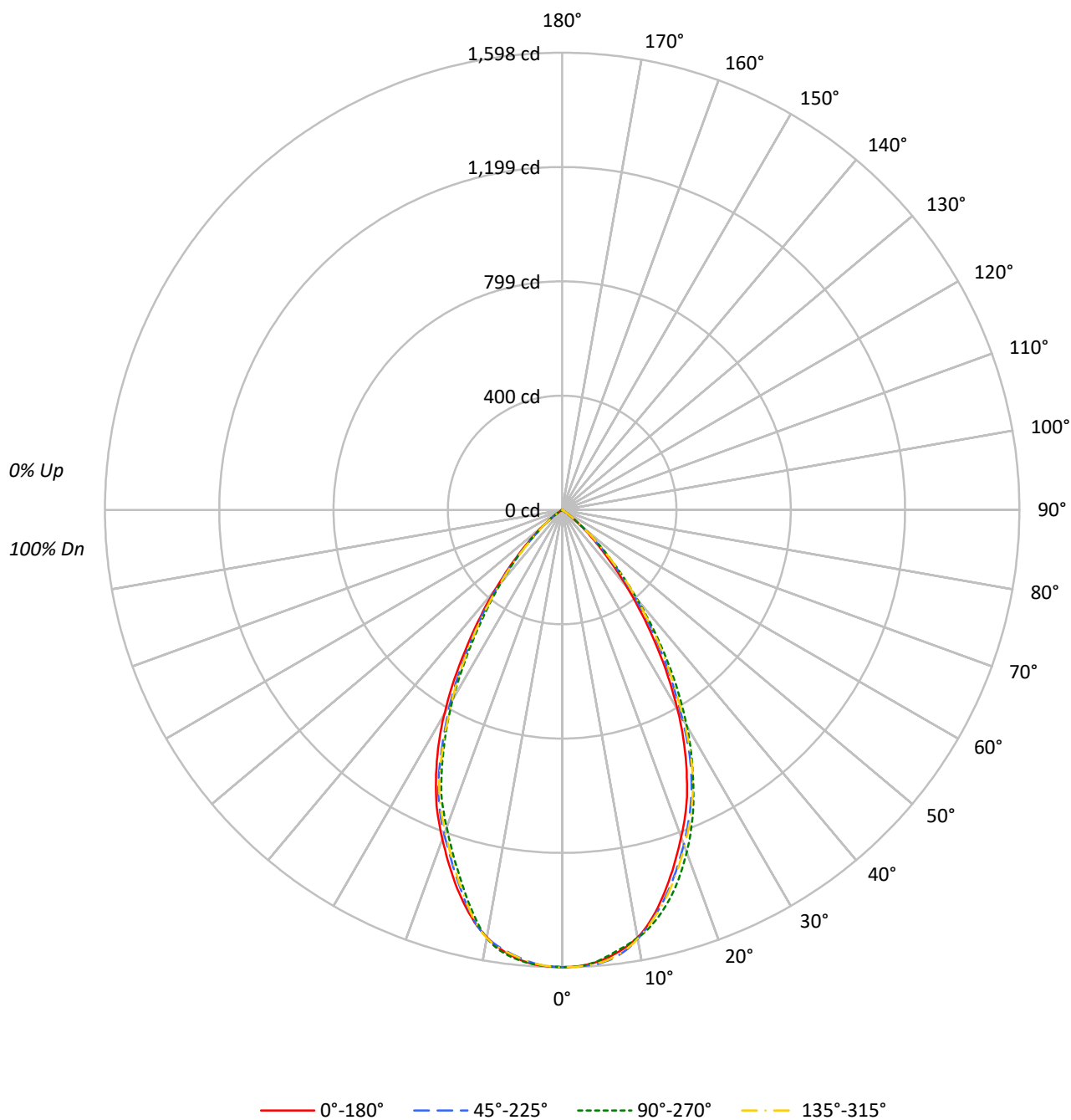
Lumens per Lamp: N/A
Luminaire Lumens: 1562.4 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 15.9
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	113	110	108	106	111	108	106	104		104	102	101			100	99	98			93
2	107	102	98	95	105	101	97	94		97	94	91			94	92	90			86
3	102	95	90	86	100	94	89	85		91	87	84			88	85	82			79
4	96	88	82	78	94	87	82	78		85	80	77			83	79	76			73
5	91	82	76	72	89	81	76	71		79	74	71			78	73	70			68
6	86	77	71	66	85	76	70	66		74	69	65			73	68	65			63
7	82	72	66	61	80	71	65	61		70	65	61			69	64	60			58
8	77	67	61	57	76	67	61	57		66	60	56			65	60	56			55
9	73	63	57	53	72	63	57	53		62	56	53			61	56	53			51
10	70	60	54	50	69	59	53	50		58	53	49			58	53	49			48

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	197069	197069	197069	197069
5°	195593	195172	195816	196076
10°	189989	190227	189952	190190
15°	176605	181572	177218	172646
20°	159719	167070	160756	154981
25°	140370	147747	142058	135294
30°	114853	124068	117332	108800
35°	85272	95993	87079	79068
40°	56887	66097	59157	53393
45°	33370	40033	35306	32620
50°	16330	18729	17481	16791
55°	5333	5656	5677	5742
60°	1233	1381	1283	1431
65°	613	700	642	730
70°	361	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: 40033 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.0	9.5
10°-20°	386.9	24.8
20°-30°	472.7	30.3
30°-40°	360.1	23.0
40°-50°	160.6	10.3
50°-60°	29.1	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°	0.3	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	1008.6	64.6
0°-40°	1368.7	87.6
0°-60°	1558.3	99.7
0°-90°	1561.4	99.9
90°-120°	0.0	0.0
90°-150°	0.5	0.0
90°-180°	1.0	0.1
0°-180°	1562.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1598	1598	1598	1598	1598	
5°	1580	1576	1582	1584	1580	149
15°	1383	1422	1388	1352	1383	386
25°	1031	1086	1044	994	1031	469
35°	566	638	578	525	566	354
45°	191	230	202	187	191	152
55°	25	26	26	27	25	28
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°	1597.7	1597.7	1597.7	1597.7	1597.7	1597.7	1597.7	1597.7	1597.7	1597.7	1597.7
0.5°	1598.0	1597.4	1597.5	1598.0	1597.4	1597.5	1598.2	1598.0	1598.0	1597.4	1597.4
1°	1597.3	1597.3	1597.5	1598.0	1597.4	1597.5	1597.8	1597.8	1597.4	1596.8	1596.8
1.5°	1596.4	1596.7	1597.3	1597.4	1596.8	1597.3	1597.4	1597.3	1596.8	1596.0	1596.0
2°	1595.3	1595.8	1596.8	1596.7	1595.8	1596.3	1596.8	1596.7	1595.7	1594.4	1594.7
2.5°	1593.9	1595.3	1596.1	1595.4	1594.4	1594.9	1596.3	1595.8	1594.3	1592.8	1593.0
3°	1592.3	1594.4	1595.1	1593.7	1592.3	1593.2	1594.9	1594.9	1592.8	1590.4	1590.7
3.5°	1589.8	1593.5	1594.0	1591.6	1589.5	1590.9	1593.3	1593.5	1590.9	1587.4	1587.7
4°	1587.0	1592.1	1592.9	1588.8	1585.7	1587.8	1591.8	1592.1	1588.3	1583.8	1584.2
4.5°	1583.5	1590.1	1591.1	1585.3	1581.3	1584.1	1589.4	1590.1	1585.3	1579.6	1580.3
5°	1579.7	1587.7	1588.3	1581.0	1576.3	1579.4	1586.4	1587.8	1581.5	1574.9	1575.9
5.5°	1575.4	1584.5	1585.2	1576.5	1571.0	1574.7	1582.9	1584.8	1577.6	1569.9	1571.4
6°	1570.9	1580.6	1581.4	1571.3	1565.4	1569.3	1579.0	1581.1	1572.8	1564.7	1566.5
6.5°	1565.7	1576.1	1577.0	1566.1	1559.6	1563.9	1574.4	1576.8	1567.5	1559.4	1561.6
7°	1560.2	1570.6	1571.6	1560.5	1554.0	1558.2	1569.0	1571.6	1561.8	1553.6	1556.6
7.5°	1554.2	1564.4	1565.4	1554.5	1548.4	1552.2	1563.2	1565.5	1556.0	1547.9	1551.1
8°	1548.1	1557.7	1558.4	1547.9	1542.7	1546.0	1556.4	1558.4	1549.1	1542.0	1545.5
8.5°	1541.1	1550.0	1550.7	1541.0	1536.9	1540.0	1548.8	1550.9	1541.8	1535.4	1539.3
9°	1533.7	1541.4	1542.0	1533.8	1531.0	1533.1	1540.4	1542.3	1534.1	1528.6	1532.6
9.5°	1525.4	1532.0	1532.7	1526.1	1525.1	1526.0	1531.6	1532.7	1526.0	1521.2	1525.3
10°	1516.9	1522.0	1522.6	1517.8	1518.8	1518.3	1521.9	1522.6	1516.6	1513.3	1517.0
10.5°	1507.3	1511.2	1511.8	1509.0	1511.9	1510.4	1511.8	1511.5	1506.6	1503.9	1507.2
11°	1496.7	1499.9	1500.4	1499.6	1504.4	1501.7	1501.0	1500.4	1496.2	1494.1	1496.4
11.5°	1485.0	1487.5	1488.9	1489.8	1496.2	1492.7	1489.9	1488.7	1485.0	1483.2	1484.3
12°	1472.0	1474.8	1476.9	1478.8	1487.7	1483.0	1478.7	1476.4	1473.1	1470.4	1470.3
12.5°	1458.5	1461.6	1464.0	1468.3	1477.8	1472.4	1466.9	1463.8	1459.6	1456.7	1454.6
13°	1444.3	1448.2	1451.3	1456.8	1468.0	1461.9	1454.7	1450.3	1446.8	1442.4	1439.3
13.5°	1429.6	1434.1	1438.3	1445.3	1457.2	1451.1	1442.2	1437.3	1432.7	1427.2	1423.1
14°	1414.3	1419.6	1425.1	1432.8	1445.7	1439.1	1429.4	1423.3	1418.4	1411.6	1406.3
14.5°	1398.9	1405.0	1411.6	1420.5	1433.9	1427.1	1416.0	1409.4	1402.9	1395.5	1389.4
15°	1383.0	1390.2	1397.5	1407.4	1421.9	1414.2	1403.1	1395.1	1387.8	1379.1	1371.8
15.5°	1366.6	1374.9	1383.4	1393.8	1409.2	1401.1	1388.9	1380.4	1372.3	1362.6	1354.2
16°	1350.5	1359.3	1368.7	1379.2	1395.7	1387.4	1374.7	1365.2	1356.3	1345.5	1337.0
16.5°	1334.3	1343.9	1353.9	1365.2	1382.0	1373.2	1359.7	1349.7	1340.2	1328.6	1319.9
17°	1317.7	1328.2	1338.7	1350.5	1367.8	1358.6	1344.6	1334.1	1323.7	1311.7	1302.8
17.5°	1300.7	1312.2	1323.0	1335.4	1353.1	1343.7	1329.4	1317.7	1307.2	1294.9	1285.8
18°	1283.8	1295.9	1307.1	1319.6	1337.5	1328.6	1313.5	1301.8	1290.9	1278.2	1268.9
18.5°	1267.0	1279.3	1291.2	1303.8	1321.9	1312.8	1297.8	1285.9	1274.3	1261.3	1252.3
19°	1250.3	1262.7	1275.6	1287.9	1305.6	1296.9	1282.2	1269.7	1257.2	1245.0	1235.7
19.5°	1233.7	1246.4	1259.6	1271.8	1289.7	1280.8	1266.4	1253.1	1240.8	1228.7	1220.9
20°	1216.8	1229.6	1243.5	1255.4	1272.8	1264.8	1250.6	1237.3	1224.7	1212.4	1204.9
20.5°	1200.2	1213.4	1227.2	1239.1	1256.2	1248.5	1234.4	1221.7	1207.7	1196.1	1188.9
21°	1183.3	1196.4	1210.7	1222.2	1239.2	1231.4	1218.3	1205.4	1190.8	1179.8	1173.0
21.5°	1166.7	1179.7	1194.4	1205.1	1221.1	1213.8	1202.1	1189.2	1173.9	1163.5	1157.0
22°	1149.1	1162.4	1177.3	1187.1	1202.9	1196.2	1186.0	1172.9	1156.9	1147.3	1139.4

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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°	1131.5	1145.6	1160.2	1169.9	1184.8	1178.5	1169.9	1156.6	1141.4	1129.2	1122.1
23°	1112.4	1127.4	1143.0	1150.6	1166.7	1160.9	1153.8	1138.6	1122.9	1110.0	1103.9
23.5°	1093.3	1109.5	1125.4	1132.6	1148.5	1143.2	1135.5	1120.9	1103.8	1090.8	1084.6
24°	1073.2	1090.8	1106.9	1112.5	1127.4	1123.5	1117.6	1102.7	1084.1	1071.1	1063.8
24.5°	1052.7	1071.4	1088.9	1093.2	1106.9	1103.7	1099.1	1083.7	1064.1	1050.0	1042.0
25°	1031.4	1051.2	1069.8	1072.3	1085.6	1083.4	1080.2	1064.6	1043.8	1028.7	1019.5
25.5°	1010.5	1031.2	1050.3	1052.4	1064.8	1062.9	1060.5	1045.1	1023.2	1006.7	996.0
26°	989.2	1010.2	1030.0	1031.3	1043.9	1042.1	1040.6	1024.8	1002.6	984.7	971.2
26.5°	968.6	989.1	1009.3	1010.1	1022.7	1021.0	1019.6	1003.5	981.1	962.0	946.4
27°	946.3	967.5	986.7	988.7	1001.3	999.4	997.9	982.0	960.0	939.1	921.9
27.5°	924.4	945.8	963.3	967.0	980.7	978.4	975.6	960.0	938.7	915.4	898.2
28°	901.6	923.7	939.1	944.9	959.5	957.0	951.6	937.3	916.6	892.2	874.7
28.5°	878.8	899.9	913.9	922.1	938.1	934.7	927.7	914.0	894.1	868.4	851.1
29°	854.8	877.1	888.5	899.4	916.5	912.9	902.8	889.8	871.1	845.2	828.7
29.5°	831.4	853.2	862.1	876.5	894.4	890.3	877.4	864.9	847.6	822.3	806.1
30°	806.4	828.5	836.4	852.7	871.1	867.3	850.9	839.2	823.8	799.3	783.5
30.5°	782.3	802.6	811.0	828.0	848.0	843.3	825.0	813.2	799.1	776.1	760.6
31°	758.2	777.7	786.3	803.5	824.6	819.6	799.9	787.2	775.0	753.6	737.2
31.5°	734.4	751.3	762.2	778.8	801.3	795.4	775.4	761.1	749.9	731.0	713.9
32°	710.3	725.9	738.9	753.9	777.7	770.8	751.8	736.1	726.3	708.6	690.2
32.5°	687.1	699.8	715.6	729.3	754.8	746.4	728.2	711.7	700.6	685.7	666.7
33°	663.7	676.0	693.3	704.9	731.9	721.5	706.1	687.6	675.6	663.4	642.8
33.5°	640.3	650.6	670.6	680.4	708.6	697.1	683.5	664.3	650.6	640.3	618.8
34°	617.2	627.6	648.1	657.3	684.9	673.2	661.3	641.5	626.6	617.3	596.3
34.5°	593.7	603.6	624.8	634.4	661.2	649.7	638.9	618.9	601.8	593.9	573.2
35°	566.3	580.6	601.8	612.1	637.5	626.7	616.4	597.1	578.3	570.1	551.8
35.5°	544.6	558.4	579.5	590.4	614.0	604.0	593.6	574.4	555.4	546.8	530.8
36°	522.9	536.2	557.5	569.6	589.9	581.8	571.1	551.7	533.5	524.0	510.3
36.5°	501.2	514.1	535.5	548.0	566.3	559.3	548.6	529.3	510.7	501.4	489.6
37°	479.5	491.9	513.5	526.3	542.8	537.5	526.3	507.1	489.0	479.4	469.9
37.5°	457.1	469.7	491.6	504.7	519.8	515.9	504.2	484.5	467.9	457.5	449.6
38°	435.0	449.6	469.6	483.1	497.3	494.7	483.6	463.1	447.1	436.7	429.7
38.5°	413.7	429.0	449.3	461.7	474.6	473.2	462.8	442.2	426.4	416.4	409.5
39°	393.3	409.4	429.8	441.1	452.8	453.1	443.1	421.8	406.6	396.6	390.2
39.5°	373.0	389.7	409.8	420.4	431.4	432.0	423.5	402.3	386.9	376.3	370.8
40°	353.3	370.9	390.3	400.1	410.5	412.1	404.2	383.6	367.4	356.8	351.8
40.5°	334.6	352.7	371.3	380.3	390.2	391.1	384.8	364.8	348.2	337.8	333.1
41°	316.4	334.4	352.3	361.1	370.1	371.6	365.8	346.8	329.6	319.3	315.3
41.5°	298.4	316.6	333.1	342.3	350.9	351.8	347.0	329.2	311.6	301.2	298.1
42°	281.6	300.0	315.3	324.2	332.1	333.1	328.2	312.3	294.3	283.3	281.6
42.5°	265.3	283.2	297.4	306.1	314.0	314.2	309.5	295.2	277.6	266.4	264.8
43°	249.4	266.7	280.0	287.8	296.2	296.2	291.5	278.9	261.6	250.2	248.7
43.5°	233.8	250.1	262.9	270.2	278.6	278.2	274.0	262.6	245.5	234.5	232.4
44°	219.3	234.5	247.2	252.9	261.5	261.4	257.2	246.9	230.7	219.6	217.5
44.5°	205.1	219.3	231.4	236.0	245.1	244.4	240.6	231.2	216.2	205.4	202.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	191.3	204.8	216.3	219.7	229.5	228.4	224.8	216.4	202.4	191.5	187.5
45.5°	178.1	190.5	201.8	203.6	213.7	212.3	209.6	201.9	188.9	178.3	173.3
46°	165.9	177.1	187.4	188.5	198.8	197.2	194.8	187.9	175.7	165.7	160.6
46.5°	153.8	163.7	173.3	173.8	184.0	182.2	180.7	174.1	163.5	154.8	149.2
47°	142.5	151.8	159.8	160.0	170.4	168.0	166.6	161.0	152.6	143.9	137.8
47.5°	131.4	139.6	146.7	146.6	158.0	155.7	154.4	149.5	141.8	133.0	126.5
48°	121.4	128.6	134.2	134.1	145.5	143.4	142.2	137.9	130.9	122.0	115.1
48.5°	111.4	117.4	122.2	122.2	133.1	131.1	130.0	126.4	120.1	111.2	105.9
49°	102.3	107.5	110.8	111.2	120.7	118.8	117.8	114.9	109.3	102.0	97.4
49.5°	93.6	97.9	99.9	100.8	108.3	106.5	105.6	103.4	100.0	93.3	89.7
50°	85.1	88.8	89.8	90.8	97.6	96.3	95.3	93.8	91.1	85.3	82.4
50.5°	77.0	79.8	80.4	81.4	87.4	86.6	85.7	84.6	82.8	77.7	75.5
51°	69.8	71.8	71.9	72.7	78.2	77.7	76.8	76.0	74.7	70.7	69.0
51.5°	62.6	64.2	63.8	64.6	69.4	69.3	68.7	68.0	67.3	64.1	63.0
52°	56.1	57.2	56.6	57.3	61.4	61.5	60.9	60.5	60.1	57.7	57.1
52.5°	50.4	51.4	50.9	51.4	53.9	54.2	53.8	53.5	53.3	51.7	51.4
53°	44.7	45.6	45.1	45.5	47.1	47.6	47.2	46.9	46.9	45.9	45.9
53.5°	39.0	39.9	39.4	39.6	40.8	41.3	41.1	40.9	41.1	40.4	40.7
54°	33.4	34.1	33.6	33.7	35.2	35.7	35.7	35.3	35.5	35.3	35.8
54.5°	28.8	28.3	27.9	27.9	30.4	30.9	30.8	30.3	30.7	30.7	31.2
55°	24.8	24.3	23.9	24.0	26.3	26.7	26.6	26.2	26.4	26.4	27.0
55.5°	21.1	20.6	20.2	20.2	22.5	22.9	22.8	22.4	22.5	22.7	23.3
56°	17.5	16.9	16.5	16.5	18.7	19.0	19.0	20.0	19.7	20.2	19.5
56.5°	14.1	13.6	13.3	13.4	16.6	16.8	16.8	17.5	17.0	17.6	17.1
57°	11.5	11.0	10.8	11.0	14.4	14.6	14.6	15.1	14.2	15.1	14.8
57.5°	9.5	9.1	9.0	9.2	12.2	12.5	12.4	12.6	11.5	12.6	12.5
58°	8.0	7.7	7.7	7.9	10.0	10.3	10.3	10.2	8.7	10.0	10.2
58.5°	6.9	6.7	6.6	6.8	7.9	8.2	8.1	7.7	7.5	7.5	7.9
59°	6.1	5.9	5.8	6.0	6.9	7.2	7.1	6.8	6.6	6.6	6.8
59.5°	5.5	5.4	5.3	5.5	6.2	6.4	6.3	6.0	5.8	5.8	6.0
60°	5.0	4.9	4.9	5.0	5.6	5.8	5.7	5.4	5.2	5.2	5.3
60.5°	4.5	4.4	4.4	4.5	5.0	5.3	5.2	4.9	4.7	4.6	4.8
61°	4.0	3.9	3.9	4.1	4.6	4.8	4.7	4.4	4.2	4.2	4.3
61.5°	3.7	3.6	3.6	3.7	4.2	4.4	4.3	4.0	3.9	3.8	3.9
62°	3.4	3.3	3.3	3.4	3.8	4.0	3.9	3.7	3.5	3.5	3.6
62.5°	3.1	3.0	3.0	3.1	3.5	3.7	3.6	3.4	3.2	3.2	3.3
63°	2.8	2.8	2.8	2.9	3.3	3.4	3.3	3.1	3.0	2.9	3.0
63.5°	2.6	2.5	2.6	2.7	3.0	3.1	3.1	2.9	2.7	2.7	2.8
64°	2.4	2.3	2.4	2.5	2.8	2.9	2.8	2.7	2.5	2.5	2.6
64.5°	2.2	2.2	2.2	2.3	2.6	2.7	2.6	2.5	2.3	2.3	2.4
65°	2.1	2.0	2.0	2.1	2.4	2.5	2.4	2.3	2.2	2.2	2.2
65.5°	1.9	1.9	1.9	2.0	2.2	2.3	2.3	2.1	2.0	2.0	2.1
66°	1.8	1.7	1.7	1.8	2.1	2.2	2.1	2.0	1.9	1.9	1.9
66.5°	1.6	1.6	1.6	1.7	1.9	2.0	2.0	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	1.7

TEST NUMBER: P1590488

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-3000K

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	1.8	1.7	1.6	1.5	1.5	1.5
68°	1.3	1.3	1.3	1.4	1.6	1.6	1.6	1.5	1.4	1.4	1.4
68.5°	1.2	1.2	1.2	1.3	1.5	1.5	1.5	1.4	1.3	1.3	1.3
69°	1.1	1.1	1.1	1.2	1.4	1.4	1.4	1.3	1.2	1.2	1.2
69.5°	1.0	1.0	1.0	1.1	1.3	1.3	1.3	1.2	1.1	1.1	1.2
70°	1.0	0.9	1.0	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	1.0	1.0
71°	0.8	0.8	0.8	0.9	1.0	1.1	1.0	0.9	0.9	0.9	0.9
71.5°	0.8	0.7	0.8	0.8	0.9	1.0	0.9	0.9	0.8	0.8	0.9
72°	0.7	0.7	0.7	0.8	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	0.8	0.7	0.7	0.7
73°	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.7	0.7	0.7	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	0.6	0.6	0.6
74.5°	0.5	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
75°	0.4	0.4	0.4	0.5	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	0.5	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	0.4	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	0.3	0.3	0.3
78.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2
79°	0.2	0.2	0.2	0.2	0.2	0.3	0.2	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	0.2	0.2	0.2	0.1	0.1	0.1	0.1
81°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
81.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1
83°	0.0	0.0	0.0	0.0	0.0	0.1	0.0	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: P1590488

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-3000K

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: P1590488

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-3000K

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	0.2	0.2	0.2	0.2	0.2	0.2
131.5°	0.2	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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
132.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
133°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
133.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
134°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
134.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590488

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-3000K

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	0.3	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°	0.2	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	0.4	0.4
140°	0.3	0.3	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4
140.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
141°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
141.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
142°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
142.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	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	0.5
143.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5
144°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
144.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
145°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
145.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
146°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	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	0.6	0.6
147.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.6	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°	0.4	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
149°	0.4	0.4	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	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
150.5°	0.4	0.4	0.4	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	0.7	0.7
151.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.7	0.7	0.7	0.7
152°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
152.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
153°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
153.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	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	0.8	0.7
156°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.8	0.8	0.8
156.5°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
157°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8

TEST NUMBER: P1590488

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-3000K

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°	0.5	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
161°	0.5	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
161.5°	0.5	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	0.9	0.8
162.5°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.9	0.9	0.9
163°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.9	0.9	0.9	0.9
163.5°	0.5	0.5	0.4	0.4	0.8	0.8	0.9	0.9	0.9	0.9	0.9
164°	0.5	0.5	0.4	0.4	0.8	0.8	0.9	0.9	0.9	0.9	0.9
164.5°	0.5	0.5	0.4	0.4	0.8	0.8	0.9	0.9	0.9	0.9	0.9
165°	0.5	0.5	0.4	0.4	0.8	0.8	0.9	0.9	0.9	0.9	0.9
165.5°	0.5	0.5	0.4	0.4	0.8	0.8	0.9	0.9	0.9	0.9	0.9
166°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.9	0.9	0.9	0.9
166.5°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.9	0.8	0.8
167°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.9	0.8	0.8
167.5°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
168°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
168.5°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
169°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
169.5°	0.5	0.5	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°	0.5	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
171°	0.5	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
171.5°	0.5	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
172°	0.5	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	0.5	0.4	0.4	0.4	0.7	0.7	0.8	0.8	0.8	0.8	0.8
173°	0.5	0.4	0.4	0.4	0.7	0.7	0.8	0.8	0.8	0.7	0.7
173.5°	0.5	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
174°	0.5	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
174.5°	0.5	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
175°	0.5	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
175.5°	0.5	0.5	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
176°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
176.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
177°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
177.5°	0.5	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.7	0.7	0.7
178°	0.5	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	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	0.6	0.6	0.6	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: P1590488
CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-3000K

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: P1590488

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1597.7	1597.7	1597.7	1597.7	1597.7	1597.7
0.5°	1597.8	1596.7	1597.3	1597.8	1597.7	1598.0
1°	1597.4	1596.3	1596.8	1597.1	1597.0	1597.3
1.5°	1596.7	1595.6	1596.3	1596.1	1595.8	1596.4
2°	1595.8	1594.7	1595.0	1594.4	1594.3	1595.3
2.5°	1594.3	1593.7	1593.7	1592.8	1592.6	1593.9
3°	1592.9	1592.8	1592.3	1590.4	1589.8	1592.3
3.5°	1590.8	1591.1	1590.2	1587.6	1586.6	1589.8
4°	1588.4	1589.0	1587.8	1584.2	1583.1	1587.0
4.5°	1585.2	1586.6	1585.0	1580.6	1579.2	1583.5
5°	1581.8	1583.6	1582.0	1576.3	1574.7	1579.7
5.5°	1578.3	1580.4	1578.4	1572.1	1570.0	1575.4
6°	1574.2	1576.6	1574.7	1567.8	1565.0	1570.9
6.5°	1569.8	1572.6	1570.3	1563.3	1560.3	1565.7
7°	1565.0	1567.4	1565.7	1558.5	1555.0	1560.2
7.5°	1559.8	1561.9	1560.1	1553.8	1550.0	1554.2
8°	1553.9	1555.4	1554.0	1547.9	1544.4	1548.1
8.5°	1547.7	1548.1	1547.0	1542.1	1538.5	1541.1
9°	1540.3	1539.4	1539.2	1535.1	1531.9	1533.7
9.5°	1532.1	1529.9	1530.0	1527.5	1524.6	1525.4
10°	1522.6	1518.5	1519.5	1518.3	1516.6	1516.9
10.5°	1511.7	1506.1	1507.3	1508.4	1507.6	1507.3
11°	1499.5	1491.9	1493.8	1496.7	1497.4	1496.7
11.5°	1485.0	1476.0	1478.6	1483.3	1485.7	1485.0
12°	1469.7	1459.0	1462.3	1468.2	1472.1	1472.0
12.5°	1453.3	1442.2	1445.3	1452.6	1457.5	1458.5
13°	1436.6	1424.4	1427.6	1435.9	1442.8	1444.3
13.5°	1419.3	1407.1	1409.9	1418.8	1427.1	1429.6
14°	1401.7	1388.7	1392.0	1401.3	1410.5	1414.3
14.5°	1383.7	1370.6	1374.0	1384.0	1393.8	1398.9
15°	1365.8	1352.0	1355.5	1365.8	1376.8	1383.0
15.5°	1348.2	1334.3	1337.8	1348.8	1359.4	1366.6
16°	1330.8	1316.7	1320.5	1331.0	1342.0	1350.5
16.5°	1313.3	1299.9	1303.3	1314.1	1325.7	1334.3
17°	1296.4	1282.4	1285.9	1297.2	1308.5	1317.7
17.5°	1279.7	1265.2	1269.4	1280.1	1291.9	1300.7
18°	1263.0	1247.9	1252.1	1263.1	1274.5	1283.8
18.5°	1245.9	1230.9	1235.1	1246.6	1257.7	1267.0
19°	1229.7	1214.0	1218.8	1229.8	1240.5	1250.3
19.5°	1213.9	1196.8	1202.3	1213.4	1223.9	1233.7
20°	1198.1	1180.7	1186.3	1197.0	1206.9	1216.8
20.5°	1182.4	1163.8	1169.8	1181.0	1190.3	1200.2
21°	1166.6	1147.8	1153.5	1164.2	1173.5	1183.3
21.5°	1150.9	1131.1	1137.3	1147.8	1156.4	1166.7
22°	1134.6	1114.8	1121.0	1131.0	1139.8	1149.1

TEST NUMBER: P1590488

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1117.9	1097.9	1103.8	1114.3	1122.1	1131.5
23°	1099.6	1079.8	1085.4	1096.2	1103.3	1112.4
23.5°	1079.8	1060.2	1066.2	1077.0	1084.5	1093.3
24°	1059.7	1039.1	1045.7	1056.4	1064.1	1073.2
24.5°	1038.9	1015.9	1024.4	1034.4	1042.5	1052.7
25°	1017.1	994.1	1002.2	1011.7	1020.0	1031.4
25.5°	994.3	971.8	979.6	988.0	997.5	1010.5
26°	971.4	949.7	956.7	963.6	974.3	989.2
26.5°	947.7	926.6	933.4	939.1	950.5	968.6
27°	923.2	904.8	909.9	914.3	925.6	946.3
27.5°	898.5	882.5	885.6	889.4	901.4	924.4
28°	873.1	859.4	861.3	865.0	878.3	901.6
28.5°	848.1	836.3	837.4	840.7	855.2	878.8
29°	823.8	812.8	813.6	817.1	832.6	854.8
29.5°	800.0	788.5	789.6	793.8	810.3	831.4
30°	776.2	763.9	765.0	770.9	788.4	806.4
30.5°	752.3	738.4	740.5	747.8	765.8	782.3
31°	729.1	714.1	716.1	724.7	743.3	758.2
31.5°	705.7	689.1	692.0	701.7	720.4	734.4
32°	682.9	664.8	668.3	678.5	696.8	710.3
32.5°	660.1	641.0	644.9	655.3	673.2	687.1
33°	637.3	617.6	622.1	632.1	649.4	663.7
33.5°	614.2	593.7	599.8	608.3	625.3	640.3
34°	591.6	567.3	578.8	585.8	601.2	617.2
34.5°	569.0	546.2	556.9	564.3	578.0	593.7
35°	547.2	525.1	535.0	542.8	556.1	566.3
35.5°	525.2	504.0	513.1	521.3	534.2	544.6
36°	504.3	482.9	491.2	499.8	512.2	522.9
36.5°	483.1	462.4	469.3	478.3	490.3	501.2
37°	462.3	442.2	448.5	458.1	468.4	479.5
37.5°	441.8	422.6	428.0	438.1	448.0	457.1
38°	421.8	403.9	407.8	418.8	427.8	435.0
38.5°	402.5	385.3	388.2	399.1	407.5	413.7
39°	383.6	367.5	370.4	380.1	387.9	393.3
39.5°	364.8	349.3	352.2	360.8	368.1	373.0
40°	346.2	331.6	334.5	342.2	348.5	353.3
40.5°	328.5	314.9	317.4	323.7	328.9	334.6
41°	311.2	298.7	301.1	305.7	310.5	316.4
41.5°	294.5	283.0	285.0	288.5	292.0	298.4
42°	278.1	267.9	269.3	271.7	274.7	281.6
42.5°	262.0	253.3	254.2	254.8	257.6	265.3
43°	246.7	239.3	239.4	239.7	241.7	249.4
43.5°	231.9	225.5	225.2	223.9	225.9	233.8
44°	217.8	212.2	211.6	209.0	211.0	219.3
44.5°	204.2	199.3	198.6	194.4	196.3	205.1

TEST NUMBER: P1590488

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	191.0	187.0	185.8	180.7	182.3	191.3
45.5°	178.4	175.1	173.9	167.4	169.2	178.1
46°	166.3	163.9	162.4	154.8	156.7	165.9
46.5°	155.0	152.7	151.3	142.9	144.5	153.8
47°	144.5	142.1	140.6	132.0	133.1	142.5
47.5°	134.1	131.9	130.3	121.7	122.7	131.4
48°	123.7	122.1	120.5	112.1	113.0	121.4
48.5°	113.3	113.0	111.3	103.3	103.9	111.4
49°	104.2	104.1	102.5	95.3	95.2	102.3
49.5°	95.5	95.6	94.1	87.8	87.7	93.6
50°	87.5	87.5	85.9	80.7	80.4	85.1
50.5°	79.8	79.7	78.4	73.9	73.6	77.0
51°	72.7	72.3	71.3	67.6	67.0	69.8
51.5°	65.9	65.3	64.5	61.6	61.1	62.6
52°	59.6	58.7	58.0	55.7	55.8	56.1
52.5°	53.4	53.1	52.7	50.5	50.4	50.4
53°	47.6	47.6	47.3	45.3	45.0	44.7
53.5°	42.2	42.0	41.9	40.2	39.6	39.0
54°	37.0	36.5	36.5	35.0	34.3	33.4
54.5°	32.2	30.9	31.1	30.5	29.7	28.8
55°	27.9	26.7	26.9	26.5	25.6	24.8
55.5°	24.1	23.0	23.3	22.8	22.1	21.1
56°	20.4	19.3	19.5	19.2	18.5	17.5
56.5°	18.0	15.8	16.2	15.8	15.1	14.1
57°	15.5	13.0	13.3	12.9	12.2	11.5
57.5°	13.1	10.9	11.1	10.8	10.1	9.5
58°	10.7	9.3	9.5	9.2	8.6	8.0
58.5°	8.3	8.0	8.3	8.0	7.4	6.9
59°	7.2	7.0	7.3	7.0	6.5	6.1
59.5°	6.4	6.3	6.5	6.2	5.7	5.5
60°	5.7	5.8	5.8	5.8	5.3	5.0
60.5°	5.1	5.3	5.4	5.3	4.8	4.5
61°	4.6	4.9	4.9	4.8	4.4	4.0
61.5°	4.2	4.4	4.5	4.4	3.9	3.7
62°	3.8	4.0	4.1	3.9	3.6	3.4
62.5°	3.5	3.6	3.8	3.6	3.3	3.1
63°	3.2	3.4	3.5	3.3	3.0	2.8
63.5°	3.0	3.1	3.2	3.1	2.8	2.6
64°	2.8	2.9	3.0	2.8	2.6	2.4
64.5°	2.6	2.7	2.8	2.6	2.4	2.2
65°	2.4	2.5	2.6	2.4	2.2	2.1
65.5°	2.2	2.3	2.4	2.3	2.0	1.9
66°	2.0	2.1	2.2	2.1	1.9	1.8
66.5°	1.9	2.0	2.1	2.0	1.8	1.6
67°	1.8	1.9	1.9	1.8	1.6	1.5

TEST NUMBER: P1590488

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-3000K

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	1.7	1.6	1.4	1.3
68.5°	1.4	1.5	1.6	1.5	1.3	1.2
69°	1.3	1.4	1.4	1.4	1.2	1.1
69.5°	1.2	1.3	1.3	1.3	1.1	1.0
70°	1.1	1.2	1.2	1.2	1.0	1.0
70.5°	1.1	1.1	1.2	1.1	1.0	0.9
71°	1.0	1.0	1.1	1.0	0.9	0.8
71.5°	0.9	1.0	1.0	0.9	0.8	0.8
72°	0.9	0.9	0.9	0.9	0.8	0.7
72.5°	0.8	0.8	0.9	0.8	0.7	0.6
73°	0.7	0.8	0.8	0.7	0.7	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	0.6	0.5
74.5°	0.6	0.6	0.6	0.6	0.5	0.5
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	0.3	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	0.2	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	0.0	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: P1590488

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-3000K

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: P1590488

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-3000K

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°	0.2	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	0.2	0.1	0.1
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°	0.2	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590488

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.3	0.2	0.2	0.2	0.2	0.2
135.5°	0.3	0.2	0.2	0.2	0.2	0.2
136°	0.3	0.2	0.2	0.2	0.2	0.2
136.5°	0.3	0.2	0.2	0.2	0.2	0.2
137°	0.3	0.2	0.2	0.2	0.2	0.2
137.5°	0.3	0.2	0.2	0.2	0.2	0.2
138°	0.3	0.2	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	0.3	0.3	0.2	0.2	0.2
139.5°	0.4	0.3	0.3	0.3	0.3	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°	0.5	0.3	0.3	0.3	0.3	0.3
143.5°	0.5	0.3	0.3	0.3	0.3	0.3
144°	0.5	0.3	0.3	0.3	0.3	0.3
144.5°	0.5	0.3	0.3	0.3	0.3	0.3
145°	0.5	0.3	0.3	0.3	0.3	0.3
145.5°	0.5	0.3	0.3	0.3	0.3	0.3
146°	0.5	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°	0.6	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	0.4	0.4	0.4	0.4	0.3
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°	0.6	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°	0.7	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°	0.7	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°	0.8	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: P1590488

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-3000K

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	0.5	0.5	0.4
160.5°	0.8	0.4	0.4	0.5	0.5	0.5
161°	0.8	0.4	0.4	0.5	0.5	0.5
161.5°	0.8	0.4	0.4	0.5	0.5	0.5
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°	0.9	0.4	0.4	0.5	0.5	0.5
163.5°	0.9	0.4	0.4	0.5	0.5	0.5
164°	0.9	0.4	0.4	0.5	0.5	0.5
164.5°	0.9	0.4	0.4	0.5	0.5	0.5
165°	0.9	0.4	0.4	0.5	0.5	0.5
165.5°	0.9	0.4	0.4	0.5	0.5	0.5
166°	0.9	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	0.5
171°	0.8	0.4	0.4	0.5	0.5	0.5
171.5°	0.8	0.4	0.4	0.5	0.5	0.5
172°	0.8	0.4	0.4	0.5	0.5	0.5
172.5°	0.7	0.4	0.4	0.5	0.5	0.5
173°	0.7	0.4	0.4	0.5	0.5	0.5
173.5°	0.7	0.4	0.4	0.5	0.5	0.5
174°	0.7	0.4	0.4	0.5	0.5	0.5
174.5°	0.7	0.4	0.4	0.5	0.5	0.5
175°	0.7	0.4	0.5	0.5	0.5	0.5
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°	0.7	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	0.6	0.6	0.6	0.6	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: P1590488

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-3000K

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: P1590488

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-3000K

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

(END OF REPORT)