

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: P1590491

Luminaire Tested: HCDLS1525CSD4TRMW-LO-5000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590491
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-5000K
Description: 4" Selectable Round Trim+Matte White (paintable) 1500 Lumens 5000K

Light Source:
Ballast/Driver: -

Summary

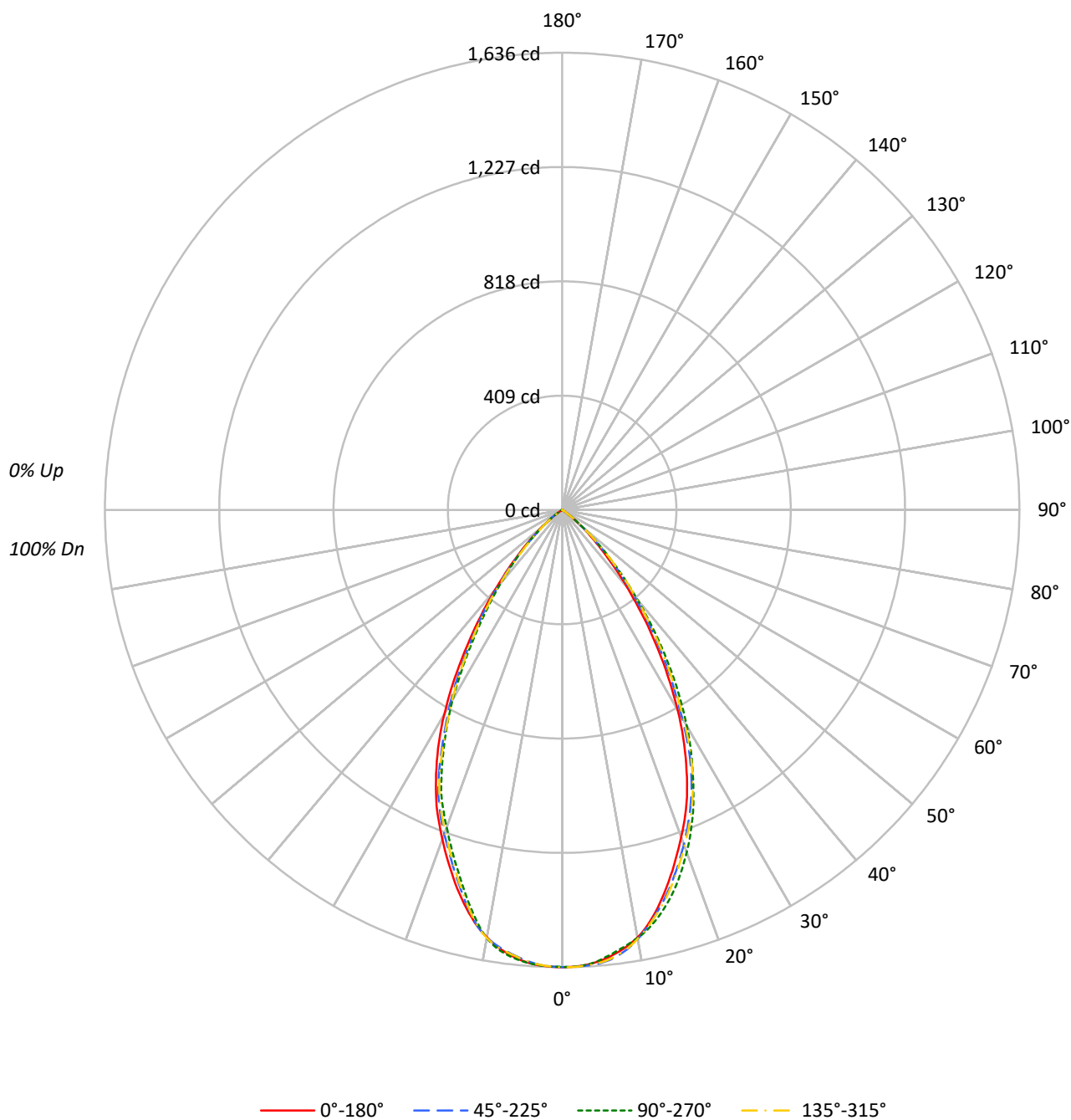
Lumens per Lamp: N/A
Luminaire Lumens: 1599.6 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	108	106	111	108	106	104		104	102	101		100	99	98		97	96	95
2	107	102	98	95	105	101	97	94		97	94	91		94	92	90		92	89	88
3	102	95	90	86	100	94	89	85		91	87	84		88	85	82		86	83	81
4	96	88	82	78	94	87	82	78		85	80	77		83	79	76		81	78	75
5	91	82	76	72	89	81	76	71		79	74	71		78	73	70		76	72	69
6	86	77	71	66	85	76	70	66		74	69	65		73	68	65		72	68	64
7	82	72	66	61	80	71	65	61		70	65	61		69	64	60		67	63	60
8	77	67	61	57	76	67	61	57		66	60	56		65	60	56		64	59	56
9	73	63	57	53	72	63	57	53		62	56	53		61	56	53		60	56	52
10	70	60	54	50	69	59	53	50		58	53	49		58	53	49		57	52	49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	201756	201756	201756	201756
5°	200249	199828	200484	200744
10°	194511	194761	194473	194724
15°	180806	185888	181432	176758
20°	163526	171047	164576	158669
25°	143718	151258	145433	138519
30°	117588	127031	120137	111392
35°	87305	98282	89157	80950
40°	58240	67659	60574	54665
45°	34172	40975	36143	33405
50°	16714	19170	17903	17193
55°	5462	5785	5806	5892
60°	1283	1406	1307	1455
65°	613	730	642	730
70°	361	433	397	433
75°	191	238	238	286
80°	71	142	71	142
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 40975 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.5	9.5
10°-20°	396.1	24.8
20°-30°	483.9	30.3
30°-40°	368.7	23.0
40°-50°	164.4	10.3
50°-60°	29.8	1.9
60°-70°	2.6	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°	1032.6	64.6
0°-40°	1401.2	87.6
0°-60°	1595.4	99.7
0°-90°	1598.6	99.9
90°-120°	0.0	0.0
90°-150°	0.5	0.0
90°-180°	1.0	0.1
0°-180°	1599.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1636	1636	1636	1636	1636	
5°	1617	1614	1619	1621	1617	152
15°	1416	1456	1421	1384	1416	395
25°	1056	1111	1069	1018	1056	480
35°	580	653	592	538	580	362
45°	196	235	207	192	196	156
55°	25	27	27	27	25	28
65°	2	2	2	2	2	2
75°	0	0	0	1	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°	1635.7	1635.7	1635.7	1635.7	1635.7	1635.7	1635.7	1635.7	1635.7	1635.7	1635.7
0.5°	1636.0	1635.4	1635.6	1636.0	1635.4	1635.6	1636.3	1636.0	1636.0	1635.4	1635.4
1°	1635.3	1635.3	1635.6	1636.0	1635.4	1635.6	1635.9	1635.9	1635.4	1634.8	1634.8
1.5°	1634.4	1634.7	1635.3	1635.4	1634.8	1635.3	1635.4	1635.3	1634.8	1634.0	1634.0
2°	1633.3	1633.8	1634.8	1634.7	1633.8	1634.3	1634.8	1634.7	1633.7	1632.4	1632.7
2.5°	1631.8	1633.3	1634.1	1633.4	1632.4	1632.8	1634.3	1633.8	1632.3	1630.7	1631.0
3°	1630.3	1632.4	1633.1	1631.7	1630.3	1631.1	1632.8	1632.8	1630.7	1628.2	1628.5
3.5°	1627.7	1631.4	1632.0	1629.5	1627.4	1628.8	1631.3	1631.4	1628.8	1625.2	1625.5
4°	1624.8	1630.0	1630.8	1626.7	1623.5	1625.7	1629.7	1630.0	1626.1	1621.5	1621.9
4.5°	1621.2	1628.0	1629.0	1623.1	1618.9	1621.8	1627.2	1628.0	1623.1	1617.2	1617.9
5°	1617.3	1625.5	1626.1	1618.6	1613.9	1617.0	1624.2	1625.7	1619.2	1612.4	1613.4
5.5°	1612.9	1622.2	1622.9	1614.0	1608.4	1612.2	1620.6	1622.5	1615.2	1607.3	1608.8
6°	1608.3	1618.2	1619.0	1608.7	1602.7	1606.7	1616.6	1618.8	1610.3	1602.0	1603.8
6.5°	1603.0	1613.6	1614.6	1603.4	1596.8	1601.1	1611.9	1614.3	1604.8	1596.5	1598.8
7°	1597.4	1608.0	1609.0	1597.6	1591.0	1595.3	1606.4	1609.0	1598.9	1590.6	1593.6
7.5°	1591.2	1601.7	1602.7	1591.5	1585.3	1589.2	1600.4	1602.8	1593.0	1584.7	1588.0
8°	1585.0	1594.8	1595.5	1584.7	1579.4	1582.8	1593.5	1595.5	1586.0	1578.7	1582.3
8.5°	1577.8	1586.9	1587.6	1577.7	1573.5	1576.7	1585.7	1587.9	1578.5	1571.9	1576.0
9°	1570.2	1578.1	1578.7	1570.4	1567.5	1569.6	1577.1	1579.0	1570.6	1565.0	1569.1
9.5°	1561.7	1568.5	1569.2	1562.5	1561.4	1562.3	1568.1	1569.2	1562.3	1557.4	1561.6
10°	1553.0	1558.3	1558.9	1554.0	1555.0	1554.4	1558.1	1558.9	1552.7	1549.4	1553.1
10.5°	1543.2	1547.2	1547.8	1544.9	1547.9	1546.4	1547.8	1547.5	1542.5	1539.8	1543.1
11°	1532.3	1535.6	1536.2	1535.3	1540.2	1537.5	1536.7	1536.2	1531.9	1529.7	1532.0
11.5°	1520.4	1522.9	1524.4	1525.2	1531.9	1528.3	1525.4	1524.1	1520.4	1518.5	1519.6
12°	1507.0	1509.9	1512.0	1514.0	1523.1	1518.4	1513.9	1511.6	1508.2	1505.4	1505.3
12.5°	1493.2	1496.4	1498.8	1503.3	1513.0	1507.4	1501.8	1498.7	1494.4	1491.3	1489.2
13°	1478.7	1482.7	1485.9	1491.5	1503.0	1496.7	1489.3	1484.9	1481.3	1476.7	1473.5
13.5°	1463.6	1468.2	1472.5	1479.7	1491.9	1485.6	1476.5	1471.5	1466.8	1461.2	1457.0
14°	1448.0	1453.4	1459.0	1466.9	1480.1	1473.4	1463.5	1457.2	1452.1	1445.2	1439.8
14.5°	1432.2	1438.5	1445.2	1454.3	1468.1	1461.0	1449.7	1442.9	1436.3	1428.7	1422.4
15°	1415.9	1423.3	1430.8	1440.9	1455.7	1447.8	1436.5	1428.3	1420.8	1412.0	1404.5
15.5°	1399.2	1407.6	1416.3	1427.0	1442.8	1434.5	1422.0	1413.3	1405.0	1395.1	1386.5
16°	1382.6	1391.6	1401.3	1412.1	1428.9	1420.4	1407.4	1397.7	1388.6	1377.5	1368.8
16.5°	1366.0	1375.9	1386.1	1397.7	1414.9	1405.9	1392.0	1381.9	1372.1	1360.2	1351.3
17°	1349.1	1359.8	1370.6	1382.7	1400.3	1391.0	1376.6	1365.8	1355.2	1343.0	1333.8
17.5°	1331.7	1343.5	1354.5	1367.2	1385.3	1375.7	1361.1	1349.1	1338.3	1325.7	1316.4
18°	1314.4	1326.7	1338.2	1351.0	1369.3	1360.3	1344.8	1332.7	1321.6	1308.6	1299.1
18.5°	1297.2	1309.7	1322.0	1334.9	1353.4	1344.1	1328.7	1316.5	1304.7	1291.3	1282.2
19°	1280.1	1292.8	1306.0	1318.6	1336.7	1327.7	1312.7	1299.9	1287.2	1274.6	1265.1
19.5°	1263.1	1276.0	1289.6	1302.0	1320.4	1311.3	1296.5	1282.9	1270.4	1257.9	1249.9
20°	1245.8	1258.9	1273.1	1285.3	1303.1	1294.9	1280.4	1266.8	1253.8	1241.3	1233.6
20.5°	1228.7	1242.3	1256.5	1268.6	1286.1	1278.2	1263.8	1250.8	1236.5	1224.6	1217.3
21°	1211.5	1224.9	1239.5	1251.3	1268.7	1260.7	1247.3	1234.1	1219.2	1207.9	1200.9
21.5°	1194.4	1207.8	1222.9	1233.8	1250.1	1242.7	1230.8	1217.5	1201.8	1191.3	1184.6
22°	1176.5	1190.0	1205.3	1215.4	1231.6	1224.6	1214.3	1200.8	1184.5	1174.6	1166.6

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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°	1158.4	1172.9	1187.8	1197.8	1213.0	1206.6	1197.7	1184.2	1168.6	1156.1	1148.8
23°	1138.8	1154.3	1170.2	1178.0	1194.5	1188.5	1181.2	1165.8	1149.7	1136.5	1130.2
23.5°	1119.3	1135.9	1152.2	1159.5	1175.9	1170.5	1162.5	1147.6	1130.1	1116.7	1110.4
24°	1098.7	1116.8	1133.2	1139.0	1154.2	1150.2	1144.2	1128.9	1109.9	1096.6	1089.1
24.5°	1077.8	1096.9	1114.8	1119.2	1133.3	1130.0	1125.3	1109.5	1089.4	1075.0	1066.9
25°	1056.0	1076.3	1095.2	1097.8	1111.4	1109.2	1105.9	1089.9	1068.6	1053.2	1043.8
25.5°	1034.5	1055.8	1075.3	1077.4	1090.2	1088.2	1085.8	1070.0	1047.6	1030.7	1019.7
26°	1012.8	1034.2	1054.5	1055.8	1068.7	1066.9	1065.3	1049.2	1026.4	1008.1	994.3
26.5°	991.6	1012.6	1033.3	1034.1	1047.0	1045.3	1043.9	1027.4	1004.5	984.9	968.9
27°	968.8	990.5	1010.2	1012.3	1025.2	1023.2	1021.6	1005.4	982.8	961.4	943.9
27.5°	946.4	968.3	986.3	990.0	1004.1	1001.7	998.9	982.9	961.1	937.2	919.6
28°	923.1	945.7	961.5	967.4	982.4	979.8	974.2	959.6	938.4	913.4	895.5
28.5°	899.7	921.3	935.7	944.0	960.5	956.9	949.8	935.7	915.4	889.1	871.3
29°	875.2	898.0	909.6	920.8	938.3	934.6	924.3	911.0	891.9	865.4	848.4
29.5°	851.2	873.5	882.6	897.4	915.7	911.5	898.3	885.5	867.8	841.9	825.3
30°	825.6	848.2	856.3	873.0	891.9	888.0	871.2	859.1	843.5	818.3	802.1
30.5°	801.0	821.7	830.3	847.7	868.2	863.4	844.7	832.5	818.1	794.6	778.7
31°	776.3	796.2	805.0	822.6	844.3	839.1	818.9	805.9	793.4	771.5	754.8
31.5°	751.9	769.2	780.3	797.4	820.4	814.3	793.9	779.2	767.8	748.4	730.9
32°	727.2	743.1	756.5	771.8	796.2	789.2	769.7	753.6	743.6	725.4	706.6
32.5°	703.5	716.5	732.7	746.6	772.8	764.2	745.6	728.6	717.3	702.0	682.5
33°	679.6	692.1	709.8	721.7	749.3	738.7	722.9	704.0	691.7	679.2	658.1
33.5°	655.5	666.1	686.5	696.6	725.5	713.7	699.7	680.2	666.1	655.5	633.5
34°	631.9	642.6	663.6	673.0	701.2	689.2	677.0	656.7	641.5	631.9	610.5
34.5°	607.8	618.0	639.7	649.5	676.9	665.2	654.1	633.7	616.2	608.1	586.9
35°	579.8	594.4	616.1	626.7	652.7	641.6	631.1	611.3	592.1	583.6	564.9
35.5°	557.6	571.7	593.2	604.5	628.6	618.4	607.8	588.1	568.6	559.8	543.5
36°	535.4	549.0	570.8	583.2	603.9	595.7	584.7	564.9	546.2	536.4	522.5
36.5°	513.2	526.3	548.3	561.0	579.8	572.6	561.6	541.9	522.8	513.3	501.3
37°	490.9	503.6	525.7	538.9	555.7	550.3	538.8	519.2	500.6	490.8	481.1
37.5°	467.9	480.9	503.3	516.7	532.1	528.2	516.2	496.1	479.0	468.4	460.3
38°	445.4	460.3	480.8	494.6	509.1	506.5	495.1	474.1	457.7	447.1	440.0
38.5°	423.5	439.2	460.0	472.7	485.9	484.5	473.8	452.7	436.6	426.3	419.3
39°	402.6	419.2	440.0	451.6	463.6	463.9	453.7	431.8	416.3	406.0	399.5
39.5°	381.8	399.0	419.6	430.4	441.7	442.3	433.6	411.8	396.1	385.3	379.6
40°	361.7	379.7	399.6	409.7	420.2	421.9	413.8	392.7	376.2	365.3	360.2
40.5°	342.6	361.1	380.2	389.4	399.5	400.4	394.0	373.5	356.5	345.8	341.0
41°	323.9	342.4	360.7	369.7	378.9	380.4	374.5	355.0	337.4	326.9	322.8
41.5°	305.5	324.2	341.0	350.4	359.3	360.2	355.2	337.0	319.1	308.4	305.2
42°	288.3	307.2	322.8	331.9	340.1	341.0	336.0	319.8	301.3	290.0	288.3
42.5°	271.7	289.9	304.4	313.4	321.5	321.7	316.9	302.2	284.2	272.8	271.1
43°	255.4	273.1	286.6	294.6	303.2	303.2	298.5	285.5	267.8	256.1	254.6
43.5°	239.4	256.1	269.1	276.6	285.2	284.8	280.5	268.8	251.4	240.1	238.0
44°	224.5	240.0	253.0	258.9	267.7	267.6	263.3	252.8	236.2	224.9	222.7
44.5°	209.9	224.5	236.9	241.6	250.9	250.2	246.3	236.7	221.3	210.2	206.8

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CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	195.9	209.7	221.4	224.9	234.9	233.9	230.2	221.5	207.2	196.0	191.9
45.5°	182.3	195.0	206.6	208.4	218.7	217.3	214.6	206.7	193.4	182.5	177.4
46°	169.9	181.3	191.9	193.0	203.5	201.9	199.4	192.4	179.9	169.7	164.4
46.5°	157.4	167.6	177.4	178.0	188.4	186.5	185.0	178.2	167.4	158.5	152.8
47°	145.8	155.4	163.6	163.8	174.5	172.0	170.6	164.8	156.2	147.3	141.1
47.5°	134.5	142.9	150.2	150.1	161.7	159.4	158.0	153.0	145.1	136.1	129.5
48°	124.3	131.6	137.4	137.3	149.0	146.8	145.5	141.2	134.0	124.9	117.9
48.5°	114.0	120.2	125.1	125.1	136.3	134.2	133.1	129.4	123.0	113.8	108.4
49°	104.7	110.1	113.5	113.9	123.5	121.6	120.6	117.6	111.9	104.4	99.8
49.5°	95.8	100.2	102.3	103.2	110.9	109.0	108.1	105.9	102.3	95.5	91.8
50°	87.1	90.9	91.9	93.0	99.9	98.6	97.6	96.0	93.3	87.4	84.4
50.5°	78.9	81.7	82.3	83.3	89.5	88.6	87.7	86.6	84.8	79.6	77.3
51°	71.4	73.6	73.6	74.5	80.1	79.6	78.7	77.8	76.5	72.4	70.7
51.5°	64.1	65.7	65.4	66.2	71.1	70.9	70.3	69.6	68.9	65.6	64.5
52°	57.4	58.6	57.9	58.6	62.9	63.0	62.4	62.0	61.5	59.1	58.5
52.5°	51.6	52.6	52.1	52.6	55.2	55.5	55.0	54.7	54.5	52.9	52.6
53°	45.8	46.7	46.2	46.6	48.2	48.7	48.3	48.1	48.0	47.0	47.0
53.5°	40.0	40.8	40.3	40.6	41.8	42.3	42.1	41.8	42.0	41.4	41.7
54°	34.2	34.9	34.4	34.5	36.1	36.6	36.6	36.1	36.4	36.2	36.6
54.5°	29.5	29.0	28.5	28.6	31.1	31.6	31.6	31.1	31.4	31.4	32.0
55°	25.4	24.9	24.5	24.6	26.9	27.4	27.3	26.8	27.0	27.1	27.7
55.5°	21.6	21.0	20.7	20.6	23.0	23.4	23.4	22.9	23.1	23.3	23.8
56°	17.9	17.3	16.9	16.9	19.2	19.4	19.4	20.4	20.2	20.7	20.0
56.5°	14.5	13.9	13.7	13.7	17.0	17.2	17.2	17.9	17.4	18.1	17.5
57°	11.7	11.3	11.1	11.2	14.7	15.0	15.0	15.4	14.6	15.5	15.2
57.5°	9.7	9.4	9.2	9.4	12.5	12.8	12.7	12.9	11.7	12.9	12.8
58°	8.2	7.9	7.8	8.0	10.3	10.6	10.5	10.4	8.9	10.3	10.4
58.5°	7.1	6.9	6.8	7.0	8.1	8.4	8.3	7.9	7.7	7.7	8.1
59°	6.2	6.0	6.0	6.1	7.1	7.4	7.3	6.9	6.7	6.7	6.9
59.5°	5.7	5.5	5.5	5.6	6.3	6.6	6.5	6.2	6.0	5.9	6.1
60°	5.2	5.0	5.0	5.2	5.7	5.9	5.8	5.5	5.3	5.3	5.5
60.5°	4.6	4.5	4.5	4.7	5.2	5.4	5.3	5.0	4.8	4.7	4.9
61°	4.1	4.0	4.0	4.2	4.7	4.9	4.8	4.5	4.3	4.3	4.4
61.5°	3.8	3.7	3.7	3.8	4.3	4.5	4.4	4.1	3.9	3.9	4.0
62°	3.4	3.3	3.4	3.5	3.9	4.1	4.0	3.8	3.6	3.6	3.7
62.5°	3.1	3.1	3.1	3.2	3.6	3.8	3.7	3.5	3.3	3.3	3.4
63°	2.9	2.8	2.8	3.0	3.3	3.5	3.4	3.2	3.0	3.0	3.1
63.5°	2.7	2.6	2.6	2.7	3.1	3.2	3.1	2.9	2.8	2.8	2.9
64°	2.5	2.4	2.4	2.5	2.9	3.0	2.9	2.7	2.6	2.6	2.6
64.5°	2.3	2.2	2.2	2.3	2.6	2.8	2.7	2.5	2.4	2.4	2.5
65°	2.1	2.1	2.1	2.2	2.5	2.6	2.5	2.3	2.2	2.2	2.3
65.5°	2.0	1.9	1.9	2.0	2.3	2.4	2.3	2.2	2.1	2.0	2.1
66°	1.8	1.8	1.8	1.9	2.1	2.2	2.2	2.0	1.9	1.9	2.0
66.5°	1.7	1.6	1.7	1.7	2.0	2.1	2.0	1.9	1.8	1.8	1.8
67°	1.6	1.5	1.5	1.6	1.8	1.9	1.9	1.7	1.7	1.6	1.7

TEST NUMBER: P1590491

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-5000K

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	1.6
68°	1.3	1.3	1.3	1.4	1.6	1.7	1.6	1.5	1.4	1.4	1.5
68.5°	1.2	1.2	1.2	1.3	1.5	1.6	1.5	1.4	1.3	1.3	1.4
69°	1.2	1.1	1.1	1.2	1.4	1.5	1.4	1.3	1.2	1.2	1.3
69.5°	1.1	1.0	1.1	1.1	1.3	1.4	1.3	1.2	1.2	1.1	1.2
70°	1.0	1.0	1.0	1.0	1.2	1.3	1.2	1.1	1.1	1.1	1.1
70.5°	0.9	0.9	0.9	1.0	1.1	1.2	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	1.0	0.9	0.9	0.9
71.5°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	0.9	0.9	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°	0.7	0.6	0.7	0.7	0.8	0.9	0.8	0.8	0.7	0.7	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	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6
74°	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.6
74.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5
75°	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5
75.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.5
76°	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4
76.5°	0.3	0.3	0.3	0.3	0.4	0.4	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	0.3	0.3	0.3	0.3
77.5°	0.3	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	0.1	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: P1590491

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P1590491

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.1	0.0	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	0.1
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	0.1	0.2
130.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
131°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
131.5°	0.2	0.2	0.2	0.1	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: P1590491

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
135.5°	0.2	0.2	0.2	0.2	0.2	0.2	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°	0.2	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	0.4
139.5°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	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	0.4
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	0.5	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	0.5
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	0.6	0.6
147°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.6	0.6	0.6	0.6
147.5°	0.4	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
148°	0.4	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
148.5°	0.4	0.4	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	0.4	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	0.6	0.6	0.6
150°	0.4	0.4	0.4	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	0.7	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	0.7	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	0.8	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°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	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: P1590491

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-5000K

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°	0.5	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
159°	0.5	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
159.5°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160.5°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.9	0.8
161°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.9	0.9	0.9	0.9
161.5°	0.5	0.5	0.4	0.4	0.8	0.8	0.9	0.9	0.9	0.9	0.9
162°	0.5	0.5	0.4	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9
162.5°	0.5	0.5	0.5	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9
163°	0.5	0.5	0.5	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9
163.5°	0.5	0.5	0.5	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9
164°	0.5	0.5	0.5	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9
164.5°	0.5	0.5	0.5	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9
165°	0.5	0.5	0.5	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9
165.5°	0.5	0.5	0.5	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9
166°	0.5	0.5	0.5	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9
166.5°	0.5	0.5	0.5	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9
167°	0.5	0.5	0.5	0.4	0.8	0.9	0.9	0.9	0.9	0.9	0.9
167.5°	0.5	0.5	0.5	0.4	0.8	0.8	0.9	0.9	0.9	0.9	0.9
168°	0.5	0.5	0.5	0.4	0.8	0.8	0.9	0.9	0.9	0.9	0.9
168.5°	0.5	0.5	0.5	0.4	0.8	0.8	0.8	0.8	0.9	0.8	0.8
169°	0.5	0.5	0.5	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
169.5°	0.5	0.5	0.5	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
170°	0.5	0.5	0.5	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
170.5°	0.5	0.5	0.5	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
171°	0.5	0.5	0.5	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
171.5°	0.5	0.5	0.5	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
172°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
173°	0.5	0.5	0.4	0.4	0.7	0.8	0.8	0.8	0.8	0.8	0.8
173.5°	0.5	0.5	0.4	0.4	0.7	0.7	0.8	0.8	0.8	0.8	0.7
174°	0.5	0.5	0.4	0.4	0.7	0.7	0.8	0.8	0.8	0.7	0.7
174.5°	0.5	0.5	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
175°	0.5	0.5	0.5	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
175.5°	0.5	0.5	0.5	0.5	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	0.7	0.7	0.7	0.7	0.7	0.7	0.7
178°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
178.5°	0.6	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.7	0.6	0.6
179°	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	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: P1590491

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-5000K

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: P1590491

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1635.7	1635.7	1635.7	1635.7	1635.7	1635.7
0.5°	1635.9	1634.7	1635.3	1635.9	1635.7	1636.0
1°	1635.4	1634.3	1634.8	1635.1	1635.0	1635.3
1.5°	1634.7	1633.6	1634.3	1634.1	1633.8	1634.4
2°	1633.8	1632.7	1633.0	1632.4	1632.3	1633.3
2.5°	1632.3	1631.7	1631.7	1630.7	1630.5	1631.8
3°	1630.8	1630.7	1630.3	1628.2	1627.7	1630.3
3.5°	1628.7	1629.0	1628.1	1625.4	1624.4	1627.7
4°	1626.2	1626.8	1625.7	1621.9	1620.8	1624.8
4.5°	1622.9	1624.4	1622.8	1618.2	1616.7	1621.2
5°	1619.5	1621.3	1619.6	1613.9	1612.2	1617.3
5.5°	1615.9	1618.0	1616.0	1609.6	1607.4	1612.9
6°	1611.7	1614.2	1612.2	1605.1	1602.2	1608.3
6.5°	1607.1	1610.0	1607.7	1600.5	1597.5	1603.0
7°	1602.2	1604.7	1603.0	1595.6	1592.0	1597.4
7.5°	1596.9	1599.1	1597.2	1590.7	1586.9	1591.2
8°	1590.9	1592.5	1591.0	1584.7	1581.1	1585.0
8.5°	1584.6	1585.0	1583.9	1578.8	1575.1	1577.8
9°	1577.0	1576.1	1575.8	1571.6	1568.3	1570.2
9.5°	1568.6	1566.3	1566.5	1563.9	1560.9	1561.7
10°	1558.9	1554.7	1555.7	1554.4	1552.7	1553.0
10.5°	1547.7	1541.9	1543.2	1544.4	1543.5	1543.2
11°	1535.2	1527.4	1529.4	1532.3	1533.0	1532.3
11.5°	1520.4	1511.2	1513.8	1518.6	1521.1	1520.4
12°	1504.7	1493.8	1497.1	1503.1	1507.1	1507.0
12.5°	1487.9	1476.5	1479.7	1487.2	1492.2	1493.2
13°	1470.8	1458.3	1461.6	1470.1	1477.1	1478.7
13.5°	1453.1	1440.6	1443.5	1452.6	1461.0	1463.6
14°	1435.1	1421.8	1425.1	1434.6	1444.1	1448.0
14.5°	1416.7	1403.3	1406.7	1416.9	1427.0	1432.2
15°	1398.3	1384.2	1387.8	1398.3	1409.6	1415.9
15.5°	1380.3	1366.0	1369.6	1380.9	1391.8	1399.2
16°	1362.5	1348.0	1352.0	1362.7	1374.0	1382.6
16.5°	1344.5	1330.8	1334.4	1345.4	1357.2	1366.0
17°	1327.3	1312.9	1316.5	1328.1	1339.6	1349.1
17.5°	1310.1	1295.3	1299.6	1310.5	1322.6	1331.7
18°	1293.1	1277.6	1281.9	1293.2	1304.9	1314.4
18.5°	1275.5	1260.2	1264.5	1276.2	1287.6	1297.2
19°	1259.0	1243.0	1247.8	1259.1	1270.0	1280.1
19.5°	1242.8	1225.3	1230.9	1242.3	1253.1	1263.1
20°	1226.7	1208.8	1214.6	1225.5	1235.6	1245.8
20.5°	1210.5	1191.5	1197.6	1209.2	1218.7	1228.7
21°	1194.4	1175.2	1181.0	1191.9	1201.4	1211.5
21.5°	1178.3	1158.1	1164.3	1175.1	1184.0	1194.4
22°	1161.7	1141.4	1147.7	1157.9	1167.0	1176.5

TEST NUMBER: P1590491

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1144.5	1124.0	1130.1	1140.8	1148.8	1158.4
23°	1125.8	1105.5	1111.3	1122.3	1129.6	1138.8
23.5°	1105.5	1085.4	1091.6	1102.6	1110.3	1119.3
24°	1085.0	1063.8	1070.6	1081.6	1089.4	1098.7
24.5°	1063.7	1040.1	1048.8	1059.0	1067.4	1077.8
25°	1041.4	1017.8	1026.0	1035.8	1044.3	1056.0
25.5°	1018.0	994.9	1002.9	1011.5	1021.2	1034.5
26°	994.5	972.3	979.5	986.6	997.5	1012.8
26.5°	970.2	948.6	955.7	961.5	973.1	991.6
27°	945.2	926.4	931.6	936.1	947.7	968.8
27.5°	919.9	903.5	906.7	910.6	922.8	946.4
28°	893.9	879.9	881.8	885.6	899.2	923.1
28.5°	868.3	856.2	857.4	860.7	875.6	899.7
29°	843.5	832.1	833.0	836.5	852.4	875.2
29.5°	819.0	807.2	808.4	812.7	829.6	851.2
30°	794.6	782.1	783.2	789.2	807.2	825.6
30.5°	770.2	756.0	758.1	765.6	784.0	801.0
31°	746.4	731.1	733.1	741.9	761.0	776.3
31.5°	722.5	705.5	708.5	718.4	737.6	751.9
32°	699.1	680.6	684.2	694.6	713.4	727.2
32.5°	675.8	656.3	660.2	670.9	689.3	703.5
33°	652.4	632.3	636.9	647.1	664.9	679.6
33.5°	628.8	607.8	614.1	622.8	640.2	655.5
34°	605.7	580.8	592.5	599.7	615.5	631.9
34.5°	582.5	559.2	570.1	577.7	591.8	607.8
35°	560.2	537.6	547.7	555.7	569.3	579.8
35.5°	537.7	516.0	525.3	533.7	546.9	557.6
36°	516.3	494.3	502.9	511.7	524.4	535.4
36.5°	494.6	473.4	480.5	489.7	502.0	513.2
37°	473.3	452.7	459.2	469.0	479.5	490.9
37.5°	452.3	432.6	438.2	448.5	458.6	467.9
38°	431.9	413.5	417.5	428.8	438.0	445.4
38.5°	412.1	394.5	397.4	408.6	417.2	423.5
39°	392.7	376.2	379.2	389.2	397.1	402.6
39.5°	373.5	357.7	360.6	369.4	376.9	381.8
40°	354.4	339.5	342.5	350.4	356.8	361.7
40.5°	336.3	322.4	324.9	331.4	336.7	342.6
41°	318.6	305.8	308.3	313.0	317.9	323.9
41.5°	301.5	289.7	291.8	295.3	298.9	305.5
42°	284.7	274.3	275.7	278.2	281.2	288.3
42.5°	268.2	259.4	260.2	260.9	263.7	271.7
43°	252.5	245.0	245.1	245.4	247.4	255.4
43.5°	237.4	230.9	230.6	229.2	231.3	239.4
44°	223.0	217.3	216.7	214.0	216.0	224.5
44.5°	209.1	204.1	203.3	199.1	201.0	209.9

TEST NUMBER: P1590491

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	195.5	191.5	190.3	185.0	186.7	195.9
45.5°	182.6	179.3	178.0	171.4	173.2	182.3
46°	170.3	167.8	166.2	158.5	160.4	169.9
46.5°	158.6	156.4	154.9	146.3	148.0	157.4
47°	147.9	145.5	143.9	135.1	136.3	145.8
47.5°	137.3	135.1	133.4	124.6	125.6	134.5
48°	126.7	125.0	123.4	114.8	115.6	124.3
48.5°	116.0	115.7	113.9	105.8	106.4	114.0
49°	106.6	106.6	104.9	97.5	97.5	104.7
49.5°	97.7	97.9	96.3	89.9	89.8	95.8
50°	89.6	89.6	87.9	82.6	82.3	87.1
50.5°	81.7	81.6	80.2	75.7	75.4	78.9
51°	74.4	74.1	72.9	69.3	68.6	71.4
51.5°	67.5	66.8	66.0	63.1	62.5	64.1
52°	61.0	60.1	59.4	57.1	57.1	57.4
52.5°	54.7	54.4	53.9	51.7	51.6	51.6
53°	48.7	48.7	48.4	46.4	46.1	45.8
53.5°	43.3	43.0	42.9	41.1	40.6	40.0
54°	37.9	37.4	37.4	35.8	35.1	34.2
54.5°	32.9	31.7	31.8	31.3	30.4	29.5
55°	28.6	27.4	27.6	27.2	26.2	25.4
55.5°	24.7	23.6	23.8	23.4	22.6	21.6
56°	20.9	19.7	20.0	19.7	18.9	17.9
56.5°	18.4	16.2	16.6	16.1	15.4	14.5
57°	15.9	13.3	13.6	13.2	12.5	11.7
57.5°	13.4	11.1	11.4	11.0	10.4	9.7
58°	11.0	9.5	9.7	9.4	8.8	8.2
58.5°	8.5	8.2	8.5	8.2	7.6	7.1
59°	7.4	7.2	7.4	7.1	6.6	6.2
59.5°	6.5	6.4	6.6	6.4	5.9	5.7
60°	5.8	5.9	5.9	5.9	5.4	5.2
60.5°	5.2	5.5	5.5	5.4	5.0	4.6
61°	4.7	5.0	5.1	5.0	4.5	4.1
61.5°	4.3	4.5	4.6	4.5	4.0	3.8
62°	3.9	4.1	4.2	4.0	3.7	3.4
62.5°	3.6	3.7	3.9	3.7	3.4	3.1
63°	3.3	3.4	3.6	3.4	3.1	2.9
63.5°	3.1	3.2	3.3	3.1	2.9	2.7
64°	2.8	2.9	3.1	2.9	2.6	2.5
64.5°	2.6	2.7	2.8	2.7	2.4	2.3
65°	2.4	2.5	2.6	2.5	2.3	2.1
65.5°	2.3	2.4	2.5	2.3	2.1	2.0
66°	2.1	2.2	2.3	2.2	1.9	1.8
66.5°	1.9	2.0	2.1	2.0	1.8	1.7
67°	1.8	1.9	2.0	1.9	1.7	1.6

TEST NUMBER: P1590491

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	1.7	1.8	1.8	1.7	1.6	1.4
68°	1.6	1.6	1.7	1.6	1.4	1.3
68.5°	1.5	1.5	1.6	1.5	1.3	1.2
69°	1.4	1.4	1.5	1.4	1.2	1.2
69.5°	1.3	1.3	1.4	1.3	1.2	1.1
70°	1.2	1.2	1.3	1.2	1.1	1.0
70.5°	1.1	1.1	1.2	1.1	1.0	0.9
71°	1.0	1.1	1.1	1.0	0.9	0.8
71.5°	0.9	1.0	1.0	1.0	0.9	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	0.7
73°	0.7	0.8	0.8	0.8	0.7	0.6
73.5°	0.7	0.7	0.7	0.7	0.6	0.6
74°	0.6	0.7	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	0.6	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	0.5	0.4	0.3
76.5°	0.4	0.4	0.4	0.4	0.4	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	0.3
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	0.2	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°	0.2	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	0.0	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: P1590491

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0
90.5°	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0
99.5°	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0
100.5°	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0
101.5°	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0
103.5°	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0
104.5°	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0
105.5°	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0
106.5°	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0
108.5°	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0
109.5°	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0
110.5°	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0
111.5°	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1590491

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0
121.5°	0.0	0.0	0.0	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°	0.1	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	0.2	0.2	0.1	0.1	0.1
131°	0.2	0.2	0.2	0.2	0.2	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: P1590491

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.3	0.2	0.2	0.2	0.2	0.2
135.5°	0.3	0.2	0.2	0.2	0.2	0.2
136°	0.3	0.2	0.2	0.2	0.2	0.2
136.5°	0.3	0.2	0.2	0.2	0.2	0.2
137°	0.3	0.2	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	0.3	0.3	0.2	0.2	0.2
139°	0.4	0.3	0.3	0.3	0.3	0.2
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°	0.4	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°	0.5	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°	0.6	0.3	0.3	0.3	0.3	0.3
147°	0.6	0.3	0.3	0.4	0.3	0.3
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°	0.6	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°	0.7	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°	0.7	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°	0.8	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	0.4	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: P1590491

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-5000K

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	0.5	0.5	0.5
159°	0.8	0.4	0.4	0.5	0.5	0.5
159.5°	0.8	0.4	0.4	0.5	0.5	0.5
160°	0.8	0.4	0.4	0.5	0.5	0.5
160.5°	0.8	0.4	0.4	0.5	0.5	0.5
161°	0.9	0.4	0.4	0.5	0.5	0.5
161.5°	0.9	0.4	0.5	0.5	0.5	0.5
162°	0.9	0.4	0.5	0.5	0.5	0.5
162.5°	0.9	0.4	0.5	0.5	0.5	0.5
163°	0.9	0.4	0.5	0.5	0.5	0.5
163.5°	0.9	0.4	0.5	0.5	0.5	0.5
164°	0.9	0.4	0.5	0.5	0.5	0.5
164.5°	0.9	0.4	0.5	0.5	0.5	0.5
165°	0.9	0.4	0.5	0.5	0.5	0.5
165.5°	0.9	0.4	0.5	0.5	0.5	0.5
166°	0.9	0.4	0.5	0.5	0.5	0.5
166.5°	0.9	0.4	0.5	0.5	0.5	0.5
167°	0.9	0.4	0.5	0.5	0.5	0.5
167.5°	0.9	0.4	0.5	0.5	0.5	0.5
168°	0.9	0.4	0.5	0.5	0.5	0.5
168.5°	0.8	0.4	0.5	0.5	0.5	0.5
169°	0.8	0.4	0.5	0.5	0.5	0.5
169.5°	0.8	0.4	0.5	0.5	0.5	0.5
170°	0.8	0.4	0.5	0.5	0.5	0.5
170.5°	0.8	0.4	0.5	0.5	0.5	0.5
171°	0.8	0.4	0.5	0.5	0.5	0.5
171.5°	0.8	0.4	0.5	0.5	0.5	0.5
172°	0.8	0.4	0.5	0.5	0.5	0.5
172.5°	0.8	0.4	0.5	0.5	0.5	0.5
173°	0.8	0.4	0.5	0.5	0.5	0.5
173.5°	0.7	0.4	0.5	0.5	0.5	0.5
174°	0.7	0.4	0.5	0.5	0.5	0.5
174.5°	0.7	0.4	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	0.5	0.5	0.5	0.5	0.5
178°	0.7	0.5	0.6	0.6	0.6	0.5
178.5°	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
179.5°	0.6	0.6	0.6	0.6	0.6	0.6



TEST NUMBER: P1590491

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-5000K

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: P1590491

CATALOG NUMBER: HCDLS1525CSD4TRMW-LO-5000K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	4.0	5.0	4.3	5.3	5.6	5.0	6.0	5.3	6.3	6.6
	3H	3.9	4.8	4.3	5.1	5.5	4.9	5.8	5.3	6.1	6.5
	4H	3.8	4.7	4.2	5.0	5.4	4.8	5.7	5.2	6.0	6.4
	6H	3.7	4.5	4.1	4.9	5.3	4.7	5.5	5.1	5.9	6.3
	8H	3.7	4.4	4.1	4.8	5.2	4.7	5.4	5.1	5.8	6.2
	12H	3.6	4.3	4.0	4.7	5.1	4.6	5.3	5.0	5.7	6.1
4H	2H	3.8	4.6	4.2	5.0	5.4	4.8	5.6	5.2	6.0	6.3
	3H	3.7	4.4	4.1	4.8	5.2	4.7	5.4	5.1	5.8	6.2
	4H	3.6	4.3	4.1	4.7	5.1	4.6	5.2	5.1	5.7	6.1
	6H	3.6	4.1	4.0	4.5	5.0	4.5	5.0	5.0	5.5	6.0
	8H	3.5	4.0	4.0	4.4	4.9	4.5	4.9	4.9	5.4	5.9
	12H	3.4	3.8	3.9	4.3	4.8	4.4	4.8	4.9	5.3	5.8
8H	4H	3.5	4.0	4.0	4.4	4.9	4.5	4.9	4.9	5.4	5.9
	6H	3.4	3.8	3.9	4.3	4.8	4.4	4.7	4.9	5.2	5.7
	8H	3.3	3.7	3.8	4.2	4.7	4.3	4.6	4.8	5.2	5.6
	12H	3.3	3.6	3.8	4.1	4.6	4.2	4.5	4.7	5.0	5.6
12H	4H	3.4	3.8	3.9	4.3	4.8	4.4	4.8	4.9	5.3	5.8
	6H	3.3	3.7	3.8	4.1	4.7	4.3	4.6	4.8	5.1	5.7
	8H	3.3	3.6	3.8	4.1	4.6	4.2	4.5	4.7	5.0	5.6



(END OF REPORT)