

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: P1590460

Luminaire Tested: HCDLS1525CSD4TRC-LO-4000K

Issue Date: 9/4/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590460
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2603928A002)
Test Lab: INNOVATION CENTER
Issue Date: 9/4/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: HCDLS1525CSD4TRC-LO-4000K
Description: 4" Selectable Round Trim + Specular Clear 1500 Lumens 4000K

Light Source:
Ballast/Driver: -

Summary

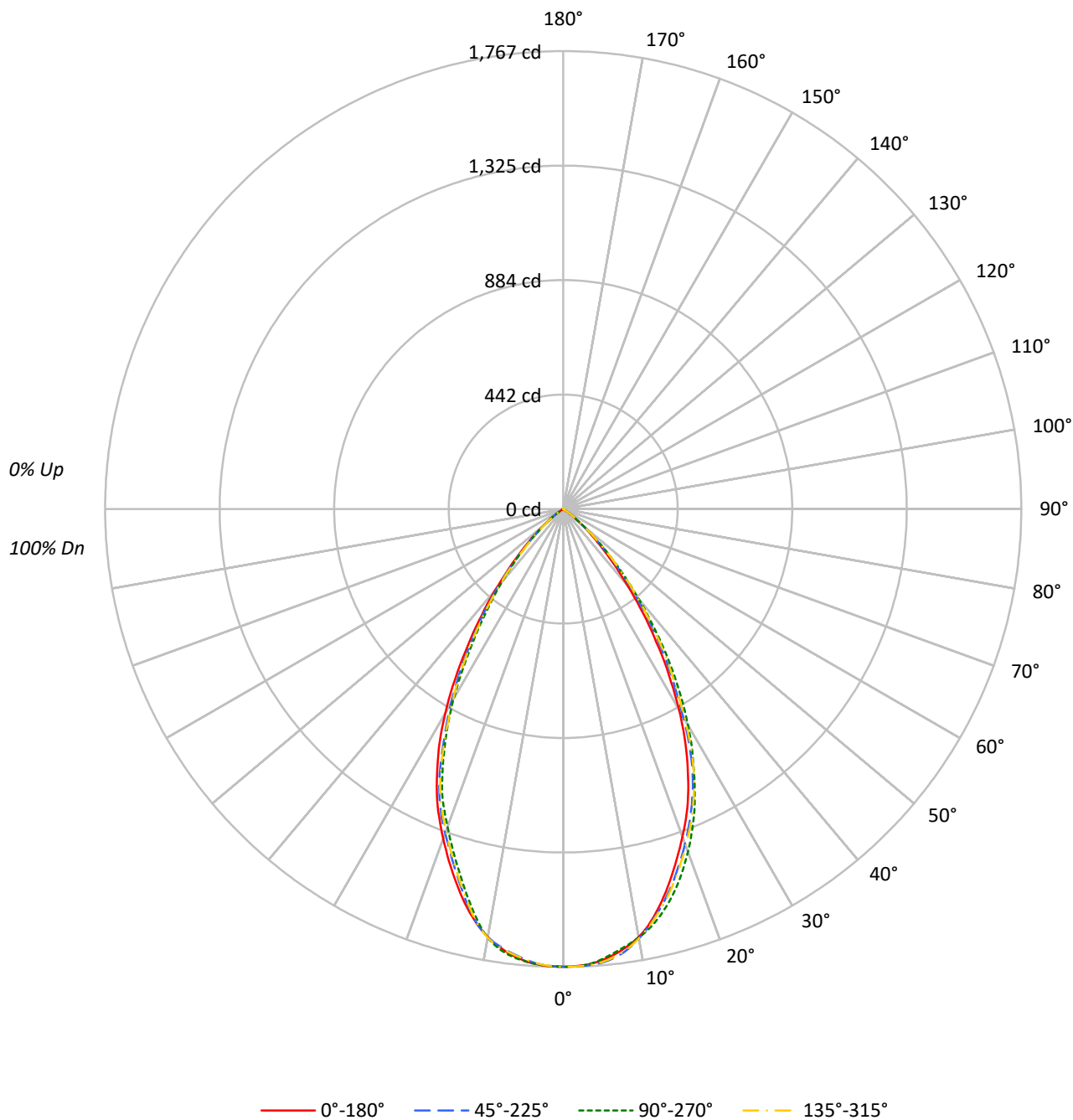
Lumens per Lamp: N/A
Luminaire Lumens: 1727.1 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	217841	217841	217841	217841
5°	216209	215751	216469	216754
10°	210017	210280	209966	210242
15°	195223	200714	195887	190843
20°	176560	184672	177702	171310
25°	155164	163316	157029	149557
30°	126960	137157	129709	120266
35°	94261	106112	96264	87395
40°	62877	73053	65405	59029
45°	36893	44255	39022	36056
50°	18038	20705	19323	18556
55°	5892	6236	6279	6344
60°	1381	1529	1431	1579
65°	671	788	700	788
70°	397	469	433	469
75°	238	286	238	286
80°	71	142	142	142
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 44255 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.7	9.5
10°-20°	427.7	24.8
20°-30°	522.5	30.3
30°-40°	398.1	23.0
40°-50°	177.5	10.3
50°-60°	32.1	1.9
60°-70°	2.8	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°	1114.9	64.6
0°-40°	1512.9	87.6
0°-60°	1722.6	99.7
0°-90°	1726.0	99.9
90°-120°	0.0	0.0
90°-150°	0.5	0.0
90°-180°	1.0	0.1
0°-180°	1727.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1766	1766	1766	1766	1766	
5°	1746	1742	1748	1751	1746	165
15°	1529	1572	1534	1494	1529	427
25°	1140	1200	1154	1099	1140	518
35°	626	705	639	580	626	391
45°	212	254	224	207	212	169
55°	27	29	29	30	27	31
65°	2	3	2	3	2	3
75°	0	1	0	1	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	1	1	0	0	0
165°	0	1	1	0	0	0
175°	0	1	1	0	0	0
180°	1	1	1	1	1	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1766.1	1766.1	1766.1	1766.1	1766.1	1766.1	1766.1	1766.1	1766.1	1766.1	1766.1
0.5°	1766.4	1765.8	1765.9	1766.4	1765.8	1765.9	1766.7	1766.4	1766.4	1765.8	1765.8
1°	1765.6	1765.6	1765.9	1766.4	1765.8	1765.9	1766.2	1766.2	1765.8	1765.2	1765.2
1.5°	1764.7	1765.0	1765.6	1765.8	1765.2	1765.6	1765.8	1765.6	1765.2	1764.2	1764.2
2°	1763.5	1764.1	1765.2	1765.0	1764.1	1764.5	1765.2	1765.0	1763.9	1762.5	1762.8
2.5°	1761.9	1763.5	1764.4	1763.6	1762.5	1763.0	1764.5	1764.1	1762.4	1760.7	1761.0
3°	1760.2	1762.5	1763.3	1761.7	1760.2	1761.1	1763.0	1763.0	1760.7	1758.0	1758.3
3.5°	1757.4	1761.4	1762.1	1759.4	1757.1	1758.6	1761.3	1761.4	1758.6	1754.8	1755.1
4°	1754.3	1759.9	1760.8	1756.3	1752.9	1755.2	1759.6	1759.9	1755.7	1750.7	1751.2
4.5°	1750.4	1757.7	1758.8	1752.4	1747.9	1751.0	1756.9	1757.7	1752.4	1746.1	1746.9
5°	1746.2	1755.1	1755.7	1747.6	1742.5	1745.9	1753.7	1755.2	1748.3	1741.0	1742.0
5.5°	1741.4	1751.5	1752.3	1742.7	1736.6	1740.7	1749.8	1751.8	1743.9	1735.4	1737.1
6°	1736.5	1747.2	1748.1	1736.9	1730.4	1734.8	1745.5	1747.8	1738.6	1729.6	1731.7
6.5°	1730.7	1742.2	1743.3	1731.2	1724.1	1728.7	1740.3	1743.0	1732.7	1723.7	1726.2
7°	1724.7	1736.2	1737.2	1725.0	1717.9	1722.5	1734.4	1737.2	1726.4	1717.4	1720.6
7.5°	1718.0	1729.3	1730.4	1718.3	1711.7	1715.8	1727.9	1730.6	1720.0	1711.0	1714.6
8°	1711.3	1721.9	1722.7	1711.0	1705.3	1709.0	1720.5	1722.7	1712.4	1704.5	1708.4
8.5°	1703.6	1713.4	1714.1	1703.4	1698.9	1702.3	1712.1	1714.4	1704.4	1697.2	1701.6
9°	1695.4	1703.9	1704.5	1695.5	1692.4	1694.7	1702.8	1704.8	1695.8	1689.8	1694.1
9.5°	1686.2	1693.5	1694.3	1687.0	1685.9	1686.8	1693.0	1694.3	1686.8	1681.6	1686.1
10°	1676.8	1682.5	1683.1	1677.8	1678.9	1678.3	1682.3	1683.1	1676.4	1672.9	1676.9
10.5°	1666.2	1670.5	1671.2	1668.1	1671.3	1669.6	1671.2	1670.9	1665.4	1662.5	1666.1
11°	1654.4	1658.0	1658.6	1657.7	1662.9	1660.0	1659.2	1658.6	1654.0	1651.6	1654.1
11.5°	1641.5	1644.3	1645.9	1646.8	1654.0	1650.1	1647.0	1645.6	1641.5	1639.5	1640.8
12°	1627.1	1630.2	1632.6	1634.7	1644.5	1639.4	1634.6	1632.1	1628.4	1625.4	1625.3
12.5°	1612.2	1615.6	1618.3	1623.1	1633.6	1627.6	1621.5	1618.1	1613.5	1610.2	1607.9
13°	1596.6	1600.9	1604.3	1610.4	1622.8	1616.0	1608.0	1603.2	1599.4	1594.4	1591.0
13.5°	1580.3	1585.2	1589.9	1597.7	1610.8	1604.0	1594.2	1588.8	1583.7	1577.6	1573.1
14°	1563.4	1569.3	1575.3	1583.9	1598.1	1590.8	1580.1	1573.3	1567.9	1560.4	1554.5
14.5°	1546.4	1553.1	1560.4	1570.2	1585.1	1577.5	1565.2	1557.9	1550.8	1542.6	1535.8
15°	1528.8	1536.7	1544.8	1555.8	1571.8	1563.2	1551.0	1542.2	1534.0	1524.5	1516.4
15.5°	1510.7	1519.8	1529.2	1540.7	1557.8	1548.8	1535.3	1526.0	1517.0	1506.3	1497.0
16°	1492.8	1502.5	1513.0	1524.6	1542.8	1533.6	1519.6	1509.1	1499.3	1487.3	1477.9
16.5°	1474.9	1485.6	1496.6	1509.1	1527.7	1518.0	1503.0	1492.0	1481.4	1468.6	1459.1
17°	1456.6	1468.2	1479.9	1492.9	1511.9	1501.9	1486.3	1474.7	1463.2	1450.0	1440.2
17.5°	1437.9	1450.5	1462.4	1476.2	1495.7	1485.4	1469.6	1456.7	1445.0	1431.4	1421.3
18°	1419.1	1432.5	1444.9	1458.7	1478.4	1468.7	1452.0	1439.0	1427.0	1412.9	1402.7
18.5°	1400.6	1414.1	1427.3	1441.3	1461.3	1451.2	1434.6	1421.4	1408.7	1394.3	1384.4
19°	1382.1	1395.8	1410.1	1423.7	1443.2	1433.6	1417.3	1403.6	1389.8	1376.2	1366.0
19.5°	1363.8	1377.7	1392.4	1405.8	1425.6	1415.8	1399.9	1385.2	1371.6	1358.2	1349.6
20°	1345.1	1359.2	1374.6	1387.8	1406.9	1398.2	1382.5	1367.7	1353.8	1340.2	1331.9
20.5°	1326.7	1341.3	1356.6	1369.7	1388.6	1380.1	1364.5	1350.5	1335.1	1322.2	1314.3
21°	1308.1	1322.5	1338.3	1351.0	1369.8	1361.2	1346.7	1332.5	1316.3	1304.2	1296.6
21.5°	1289.6	1304.1	1320.3	1332.1	1349.8	1341.7	1328.9	1314.5	1297.6	1286.2	1279.0
22°	1270.2	1284.9	1301.4	1312.3	1329.8	1322.2	1311.0	1296.5	1278.9	1268.2	1259.6

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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°	1250.8	1266.4	1282.5	1293.2	1309.7	1302.8	1293.2	1278.6	1261.7	1248.3	1240.4
23°	1229.6	1246.3	1263.4	1271.9	1289.7	1283.3	1275.4	1258.7	1241.3	1227.1	1220.3
23.5°	1208.6	1226.5	1244.0	1252.0	1269.6	1263.8	1255.2	1239.1	1220.2	1205.7	1198.9
24°	1186.3	1205.8	1223.5	1229.8	1246.3	1241.9	1235.4	1218.9	1198.3	1184.0	1175.9
24.5°	1163.7	1184.3	1203.7	1208.4	1223.6	1220.1	1215.0	1198.0	1176.3	1160.7	1151.9
25°	1140.1	1162.0	1182.5	1185.3	1200.0	1197.6	1194.0	1176.8	1153.8	1137.1	1127.0
25.5°	1117.0	1139.9	1161.1	1163.3	1177.1	1175.0	1172.3	1155.2	1131.1	1112.9	1100.9
26°	1093.5	1116.7	1138.6	1140.0	1153.9	1152.0	1150.3	1132.9	1108.2	1088.5	1073.6
26.5°	1070.7	1093.3	1115.6	1116.5	1130.5	1128.6	1127.1	1109.3	1084.5	1063.5	1046.1
27°	1046.0	1069.5	1090.7	1093.0	1106.9	1104.8	1103.1	1085.5	1061.2	1038.0	1019.1
27.5°	1021.8	1045.5	1064.9	1068.9	1084.1	1081.5	1078.5	1061.2	1037.7	1011.9	992.9
28°	996.6	1021.1	1038.1	1044.5	1060.7	1057.9	1051.9	1036.1	1013.2	986.2	966.9
28.5°	971.4	994.7	1010.3	1019.3	1037.0	1033.2	1025.5	1010.3	988.4	960.0	940.8
29°	944.9	969.5	982.2	994.2	1013.1	1009.1	998.0	983.6	963.0	934.3	916.0
29.5°	919.0	943.2	953.0	968.9	988.7	984.1	969.9	956.0	937.0	909.0	891.1
30°	891.4	915.8	924.6	942.6	963.0	958.7	940.6	927.6	910.7	883.6	866.1
30.5°	864.8	887.2	896.4	915.3	937.4	932.2	912.0	898.9	883.3	857.9	840.7
31°	838.1	859.7	869.2	888.2	911.6	906.0	884.2	870.2	856.7	833.0	814.9
31.5°	811.8	830.5	842.5	860.9	885.8	879.2	857.1	841.4	829.0	808.0	789.1
32°	785.2	802.4	816.8	833.3	859.7	852.1	831.1	813.7	802.8	783.3	762.9
32.5°	759.5	773.6	791.1	806.1	834.4	825.1	805.0	786.7	774.5	757.9	736.9
33°	733.7	747.2	766.4	779.2	809.1	797.6	780.5	760.1	746.9	733.4	710.6
33.5°	707.8	719.2	741.3	752.1	783.3	770.6	755.5	734.4	719.2	707.8	684.0
34°	682.2	693.8	716.5	726.6	757.1	744.2	731.0	709.1	692.6	682.3	659.1
34.5°	656.3	667.2	690.7	701.3	730.9	718.2	706.2	684.2	665.3	656.5	633.6
35°	626.0	641.8	665.2	676.7	704.7	692.7	681.4	660.0	639.3	630.2	609.9
35.5°	602.0	617.3	640.5	652.7	678.7	667.7	656.2	635.0	614.0	604.4	586.8
36°	578.1	592.7	616.2	629.7	652.1	643.2	631.3	609.9	589.7	579.2	564.1
36.5°	554.1	568.2	592.0	605.7	626.0	618.3	606.4	585.1	564.5	554.2	541.2
37°	530.1	543.7	567.7	581.8	600.0	594.2	581.7	560.6	540.5	529.9	519.4
37.5°	505.2	519.2	543.4	557.9	574.6	570.3	557.4	535.6	517.2	505.7	497.0
38°	480.9	497.0	519.1	534.0	549.7	546.8	534.6	511.9	494.2	482.8	475.0
38.5°	457.3	474.2	496.7	510.3	524.6	523.1	511.6	488.8	471.4	460.3	452.7
39°	434.7	452.6	475.1	487.6	500.6	500.9	489.8	466.2	449.5	438.4	431.3
39.5°	412.3	430.8	453.0	464.7	476.9	477.5	468.2	444.7	427.6	416.0	409.8
40°	390.5	410.0	431.5	442.3	453.7	455.5	446.8	424.0	406.2	394.4	388.9
40.5°	369.9	389.9	410.5	420.4	431.4	432.3	425.4	403.3	384.9	373.4	368.2
41°	349.7	369.7	389.4	399.2	409.1	410.7	404.4	383.3	364.3	353.0	348.5
41.5°	329.9	350.0	368.2	378.4	387.9	388.9	383.5	363.9	344.5	332.9	329.6
42°	311.3	331.7	348.6	358.4	367.2	368.2	362.8	345.2	325.3	313.2	311.3
42.5°	293.3	313.0	328.7	338.4	347.1	347.3	342.2	326.3	306.8	294.5	292.7
43°	275.7	294.8	309.5	318.1	327.4	327.4	322.3	308.3	289.1	276.6	274.9
43.5°	258.5	276.5	290.6	298.6	308.0	307.5	302.9	290.2	271.4	259.2	256.9
44°	242.4	259.2	273.2	279.5	289.0	288.9	284.3	273.0	255.1	242.8	240.5
44.5°	226.7	242.4	255.7	260.9	270.9	270.2	265.9	255.6	239.0	227.0	223.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	211.5	226.4	239.1	242.9	253.7	252.5	248.5	239.2	223.7	211.7	207.2
45.5°	196.8	210.6	223.0	225.0	236.2	234.6	231.7	223.2	208.8	197.1	191.5
46°	183.4	195.8	207.2	208.4	219.7	218.0	215.3	207.7	194.2	183.2	177.5
46.5°	170.0	181.0	191.6	192.1	203.4	201.4	199.7	192.4	180.7	171.1	164.9
47°	157.5	167.8	176.7	176.9	188.4	185.7	184.2	178.0	168.7	159.1	152.4
47.5°	145.2	154.3	162.1	162.0	174.6	172.1	170.6	165.2	156.7	147.0	139.8
48°	134.2	142.1	148.4	148.2	160.9	158.5	157.1	152.5	144.7	134.9	127.3
48.5°	123.1	129.8	135.1	135.1	147.1	144.9	143.7	139.7	132.8	122.9	117.0
49°	113.1	118.8	122.5	123.0	133.4	131.3	130.2	127.0	120.8	112.8	107.7
49.5°	103.4	108.2	110.4	111.4	119.7	117.7	116.7	114.3	110.5	103.2	99.1
50°	94.0	98.2	99.2	100.4	107.9	106.4	105.4	103.7	100.7	94.3	91.1
50.5°	85.2	88.2	88.9	90.0	96.6	95.7	94.7	93.5	91.5	85.9	83.4
51°	77.1	79.4	79.5	80.4	86.5	85.9	84.9	84.0	82.6	78.1	76.3
51.5°	69.2	71.0	70.6	71.4	76.8	76.6	75.9	75.1	74.4	70.8	69.6
52°	62.0	63.2	62.6	63.3	67.9	68.0	67.3	66.9	66.4	63.8	63.1
52.5°	55.7	56.8	56.2	56.8	59.6	59.9	59.4	59.1	58.9	57.1	56.8
53°	49.4	50.5	49.9	50.3	52.1	52.6	52.2	51.9	51.8	50.7	50.7
53.5°	43.2	44.1	43.5	43.8	45.1	45.6	45.5	45.2	45.4	44.7	45.0
54°	36.9	37.7	37.2	37.3	39.0	39.5	39.5	39.0	39.3	39.1	39.6
54.5°	31.9	31.3	30.8	30.8	33.6	34.1	34.1	33.5	33.9	33.9	34.5
55°	27.4	26.9	26.4	26.5	29.0	29.5	29.5	29.0	29.2	29.2	29.9
55.5°	23.3	22.7	22.4	22.3	24.8	25.3	25.2	24.8	24.9	25.1	25.7
56°	19.3	18.6	18.3	18.2	20.7	21.0	21.0	22.1	21.8	22.3	21.6
56.5°	15.6	15.1	14.8	14.8	18.3	18.6	18.6	19.4	18.8	19.5	18.9
57°	12.7	12.2	11.9	12.1	15.9	16.2	16.2	16.7	15.7	16.7	16.4
57.5°	10.4	10.1	9.9	10.2	13.5	13.8	13.8	14.0	12.7	13.9	13.8
58°	8.9	8.6	8.5	8.7	11.1	11.4	11.4	11.3	9.6	11.1	11.3
58.5°	7.6	7.4	7.3	7.5	8.7	9.1	9.0	8.6	8.3	8.3	8.7
59°	6.7	6.5	6.4	6.6	7.7	8.0	7.9	7.5	7.3	7.2	7.5
59.5°	6.1	5.9	5.9	6.1	6.8	7.1	7.0	6.7	6.4	6.4	6.6
60°	5.6	5.4	5.4	5.6	6.2	6.4	6.3	6.0	5.8	5.7	5.9
60.5°	5.0	4.9	4.9	5.0	5.6	5.8	5.7	5.4	5.2	5.1	5.3
61°	4.5	4.3	4.3	4.5	5.1	5.3	5.2	4.9	4.7	4.6	4.8
61.5°	4.1	3.9	4.0	4.1	4.6	4.8	4.7	4.4	4.3	4.2	4.4
62°	3.7	3.6	3.6	3.8	4.2	4.4	4.3	4.1	3.9	3.8	4.0
62.5°	3.4	3.3	3.3	3.5	3.9	4.1	4.0	3.7	3.6	3.5	3.6
63°	3.1	3.0	3.1	3.2	3.6	3.8	3.7	3.4	3.3	3.2	3.3
63.5°	2.9	2.8	2.8	3.0	3.3	3.5	3.4	3.2	3.0	3.0	3.1
64°	2.7	2.6	2.6	2.7	3.1	3.2	3.1	2.9	2.8	2.8	2.9
64.5°	2.5	2.4	2.4	2.5	2.9	3.0	2.9	2.7	2.6	2.6	2.6
65°	2.3	2.2	2.2	2.4	2.7	2.8	2.7	2.5	2.4	2.4	2.5
65.5°	2.1	2.1	2.1	2.2	2.5	2.6	2.5	2.4	2.2	2.2	2.3
66°	2.0	1.9	1.9	2.0	2.3	2.4	2.3	2.2	2.1	2.1	2.1
66.5°	1.8	1.8	1.8	1.9	2.1	2.2	2.2	2.0	1.9	1.9	2.0
67°	1.7	1.6	1.7	1.8	2.0	2.1	2.0	1.9	1.8	1.8	1.8

TEST NUMBER: P1590460

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	1.6	1.5	1.5	1.6	1.9	2.0	1.9	1.8	1.7	1.7	1.7
68°	1.4	1.4	1.4	1.5	1.7	1.8	1.8	1.6	1.6	1.5	1.6
68.5°	1.3	1.3	1.3	1.4	1.6	1.7	1.6	1.5	1.4	1.4	1.5
69°	1.2	1.2	1.2	1.3	1.5	1.6	1.5	1.4	1.3	1.3	1.4
69.5°	1.2	1.1	1.1	1.2	1.4	1.5	1.4	1.3	1.2	1.2	1.3
70°	1.1	1.0	1.1	1.1	1.3	1.4	1.3	1.2	1.2	1.1	1.2
70.5°	1.0	1.0	1.0	1.0	1.2	1.3	1.2	1.1	1.1	1.1	1.1
71°	0.9	0.9	0.9	1.0	1.1	1.2	1.1	1.0	1.0	1.0	1.0
71.5°	0.8	0.8	0.8	0.9	1.0	1.1	1.0	1.0	0.9	0.9	0.9
72°	0.8	0.8	0.8	0.8	1.0	1.0	1.0	0.9	0.9	0.8	0.9
72.5°	0.7	0.7	0.7	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8
73°	0.7	0.6	0.7	0.7	0.8	0.9	0.8	0.8	0.7	0.7	0.7
73.5°	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7
74°	0.6	0.5	0.5	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6
74.5°	0.5	0.5	0.5	0.5	0.6	0.7	0.7	0.6	0.6	0.6	0.6
75°	0.5	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.5
75.5°	0.4	0.4	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5
76°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4
76.5°	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.4
77°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.4
77.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3
78°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
78.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.3
79°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2
79.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80.5°	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
81°	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
81.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82°	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	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: P1590460

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
93°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
93.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
106.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
108.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
109.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1590460

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
121.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1
124.5°	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
125.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
129.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
130°	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
130.5°	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
131°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
131.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
132°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
132.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
133°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
133.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
134°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
134.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3

TEST NUMBER: P1590460

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-4000K

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	0.3	0.3	0.3	0.3	0.3	0.3	0.3
135.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
136°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
136.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
137°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
137.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
138°	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
138.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
139°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
139.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
140°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
140.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
141°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
141.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5
142°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5
142.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
143°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
143.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
144°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
144.5°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
145°	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.6	0.6
145.5°	0.4	0.3	0.3	0.3	0.5	0.5	0.6	0.6	0.6	0.6	0.6
146°	0.4	0.4	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
146.5°	0.4	0.4	0.3	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
147°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
147.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
148°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
148.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.7	0.7
149°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.7	0.7	0.7	0.7
149.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
150°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
150.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
151°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
151.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
152°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
152.5°	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.8	0.8	0.8
153°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
153.5°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
154°	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
154.5°	0.5	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
155°	0.5	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
155.5°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
156°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
156.5°	0.5	0.5	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.9	0.8
157°	0.5	0.5	0.5	0.4	0.8	0.8	0.8	0.8	0.9	0.9	0.9

TEST NUMBER: P1590460

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.5	0.5	0.5	0.5	0.8	0.9	0.9	0.9	0.9	0.9	0.9
158°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
158.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
159°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
159.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
161°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
161.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
162°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
162.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
163°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
163.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	1.0	0.9	0.9
164°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	1.0	0.9	0.9
164.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	1.0	0.9	0.9
165°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	1.0	0.9	0.9
165.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
166°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
166.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
167°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
167.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
168°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
168.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
169°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
169.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
170°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
170.5°	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9
171°	0.5	0.5	0.5	0.5	0.8	0.9	0.9	0.9	0.9	0.9	0.9
171.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.9	0.9	0.9	0.9	0.9
172°	0.5	0.5	0.5	0.5	0.8	0.8	0.9	0.9	0.9	0.8	0.8
172.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
173°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
173.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
174°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
174.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
175°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
175.5°	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
176°	0.5	0.5	0.5	0.5	0.7	0.8	0.8	0.8	0.8	0.8	0.8
176.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.8	0.8	0.8	0.7	0.7
177°	0.5	0.5	0.5	0.5	0.7	0.7	0.8	0.8	0.7	0.7	0.7
177.5°	0.6	0.6	0.6	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
178°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
178.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
179°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
179.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7



TEST NUMBER: P1590460

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

TEST NUMBER: P1590460

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1766.1	1766.1	1766.1	1766.1	1766.1	1766.1
0.5°	1766.2	1765.0	1765.6	1766.2	1766.1	1766.4
1°	1765.8	1764.5	1765.2	1765.5	1765.3	1765.6
1.5°	1765.0	1763.8	1764.5	1764.4	1764.1	1764.7
2°	1764.1	1762.8	1763.1	1762.5	1762.4	1763.5
2.5°	1762.4	1761.7	1761.7	1760.7	1760.5	1761.9
3°	1760.8	1760.7	1760.2	1758.0	1757.4	1760.2
3.5°	1758.5	1758.8	1757.9	1754.9	1753.8	1757.4
4°	1755.9	1756.5	1755.2	1751.2	1750.0	1754.3
4.5°	1752.3	1753.8	1752.1	1747.2	1745.6	1750.4
5°	1748.6	1750.6	1748.7	1742.5	1740.7	1746.2
5.5°	1744.7	1747.0	1744.8	1737.9	1735.5	1741.4
6°	1740.2	1742.8	1740.7	1733.1	1730.0	1736.5
6.5°	1735.2	1738.3	1735.8	1728.1	1724.8	1730.7
7°	1730.0	1732.6	1730.7	1722.8	1718.9	1724.7
7.5°	1724.2	1726.5	1724.5	1717.5	1713.4	1718.0
8°	1717.7	1719.4	1717.9	1711.0	1707.2	1711.3
8.5°	1710.9	1711.3	1710.1	1704.7	1700.6	1703.6
9°	1702.7	1701.7	1701.4	1696.9	1693.3	1695.4
9.5°	1693.7	1691.2	1691.3	1688.5	1685.3	1686.2
10°	1683.1	1678.6	1679.7	1678.3	1676.4	1676.8
10.5°	1671.0	1664.8	1666.2	1667.4	1666.5	1666.2
11°	1657.5	1649.1	1651.3	1654.4	1655.2	1654.4
11.5°	1641.5	1631.6	1634.4	1639.7	1642.3	1641.5
12°	1624.6	1612.9	1616.4	1622.9	1627.3	1627.1
12.5°	1606.5	1594.2	1597.7	1605.7	1611.1	1612.2
13°	1588.0	1574.5	1578.1	1587.3	1594.9	1596.6
13.5°	1569.0	1555.5	1558.6	1568.3	1577.5	1580.3
14°	1549.5	1535.1	1538.7	1549.0	1559.2	1563.4
14.5°	1529.6	1515.1	1518.8	1529.9	1540.7	1546.4
15°	1509.7	1494.5	1498.4	1509.8	1522.0	1528.8
15.5°	1490.3	1474.9	1478.8	1490.9	1502.7	1510.7
16°	1471.1	1455.5	1459.7	1471.3	1483.5	1492.8
16.5°	1451.7	1436.9	1440.7	1452.6	1465.4	1474.9
17°	1433.0	1417.5	1421.4	1433.9	1446.4	1456.6
17.5°	1414.6	1398.6	1403.2	1415.0	1428.0	1437.9
18°	1396.2	1379.5	1384.1	1396.3	1408.9	1419.1
18.5°	1377.2	1360.7	1365.3	1378.0	1390.2	1400.6
19°	1359.3	1342.0	1347.3	1359.4	1371.3	1382.1
19.5°	1341.9	1323.0	1329.0	1341.3	1352.9	1363.8
20°	1324.5	1305.1	1311.4	1323.1	1334.1	1345.1
20.5°	1307.0	1286.5	1293.1	1305.5	1315.8	1326.7
21°	1289.6	1268.8	1275.1	1286.9	1297.2	1308.1
21.5°	1272.2	1250.4	1257.2	1268.7	1278.3	1289.6
22°	1254.3	1232.3	1239.2	1250.2	1260.0	1270.2

TEST NUMBER: P1590460

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1235.7	1213.6	1220.2	1231.7	1240.4	1250.8
23°	1215.5	1193.6	1199.8	1211.7	1219.6	1229.6
23.5°	1193.7	1171.9	1178.6	1190.5	1198.8	1208.6
24°	1171.5	1148.6	1155.9	1167.8	1176.2	1186.3
24.5°	1148.4	1123.0	1132.4	1143.4	1152.4	1163.7
25°	1124.4	1098.9	1107.8	1118.3	1127.5	1140.1
25.5°	1099.1	1074.2	1082.9	1092.1	1102.6	1117.0
26°	1073.8	1049.8	1057.6	1065.2	1077.0	1093.5
26.5°	1047.6	1024.2	1031.8	1038.1	1050.7	1070.7
27°	1020.5	1000.2	1005.9	1010.7	1023.2	1046.0
27.5°	993.2	975.5	978.9	983.2	996.4	1021.8
28°	965.1	950.0	952.1	956.2	970.9	996.6
28.5°	937.5	924.4	925.7	929.3	945.4	971.4
29°	910.7	898.5	899.3	903.2	920.4	944.9
29.5°	884.3	871.6	872.9	877.4	895.7	919.0
30°	858.0	844.4	845.6	852.1	871.5	891.4
30.5°	831.6	816.2	818.6	826.6	846.5	864.8
31°	805.9	789.4	791.6	801.1	821.7	838.1
31.5°	780.1	761.7	765.0	775.6	796.4	811.8
32°	754.9	734.9	738.8	750.0	770.2	785.2
32.5°	729.7	708.6	712.8	724.4	744.2	759.5
33°	704.4	682.7	687.7	698.7	717.9	733.7
33.5°	678.9	656.2	663.0	672.5	691.3	707.8
34°	653.9	627.1	639.8	647.5	664.6	682.2
34.5°	629.0	603.8	615.6	623.7	639.0	656.3
35°	604.9	580.4	591.4	600.0	614.7	626.0
35.5°	580.5	557.1	567.2	576.2	590.5	602.0
36°	557.4	533.8	543.0	552.5	566.2	578.1
36.5°	534.0	511.2	518.8	528.7	542.0	554.1
37°	511.0	488.8	495.8	506.4	517.7	530.1
37.5°	488.4	467.1	473.2	484.2	495.2	505.2
38°	466.3	446.4	450.8	462.9	472.9	480.9
38.5°	444.9	426.0	429.1	441.2	450.4	457.3
39°	424.0	406.2	409.4	420.2	428.8	434.7
39.5°	403.3	386.2	389.4	398.8	406.9	412.3
40°	382.6	366.6	369.8	378.3	385.2	390.5
40.5°	363.1	348.1	350.8	357.8	363.5	369.9
41°	344.0	330.2	332.8	337.9	343.2	349.7
41.5°	325.5	312.8	315.0	318.9	322.8	329.9
42°	307.4	296.1	297.7	300.4	303.6	311.3
42.5°	289.6	280.0	281.0	281.7	284.7	293.3
43°	272.7	264.5	264.6	264.9	267.1	275.7
43.5°	256.3	249.3	249.0	247.5	249.8	258.5
44°	240.8	234.6	233.9	231.1	233.2	242.4
44.5°	225.7	220.4	219.5	214.9	217.0	226.7

TEST NUMBER: P1590460

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	211.1	206.7	205.4	199.8	201.6	211.5
45.5°	197.2	193.6	192.2	185.1	187.0	196.8
46°	183.8	181.1	179.5	171.2	173.2	183.4
46.5°	171.3	168.8	167.2	158.0	159.7	170.0
47°	159.7	157.1	155.4	145.9	147.2	157.5
47.5°	148.2	145.8	144.0	134.5	135.6	145.2
48°	136.7	135.0	133.2	123.9	124.9	134.2
48.5°	125.3	124.9	123.0	114.2	114.9	123.1
49°	115.1	115.1	113.3	105.3	105.2	113.1
49.5°	105.5	105.7	104.0	97.0	97.0	103.4
50°	96.8	96.7	94.9	89.2	88.9	94.0
50.5°	88.2	88.1	86.6	81.7	81.4	85.2
51°	80.4	80.0	78.8	74.8	74.1	77.1
51.5°	72.9	72.2	71.3	68.1	67.5	69.2
52°	65.8	64.9	64.2	61.6	61.7	62.0
52.5°	59.0	58.7	58.2	55.9	55.7	55.7
53°	52.6	52.6	52.3	50.1	49.8	49.4
53.5°	46.7	46.5	46.3	44.4	43.8	43.2
54°	40.9	40.3	40.3	38.7	37.9	36.9
54.5°	35.6	34.2	34.4	33.8	32.8	31.9
55°	30.8	29.5	29.8	29.3	28.3	27.4
55.5°	26.7	25.5	25.7	25.2	24.4	23.3
56°	22.6	21.3	21.6	21.2	20.4	19.3
56.5°	19.9	17.5	17.9	17.4	16.7	15.6
57°	17.2	14.4	14.7	14.3	13.5	12.7
57.5°	14.5	12.0	12.3	11.9	11.2	10.4
58°	11.8	10.2	10.5	10.1	9.5	8.9
58.5°	9.2	8.9	9.1	8.8	8.2	7.6
59°	8.0	7.8	8.0	7.7	7.2	6.7
59.5°	7.0	6.9	7.1	6.9	6.3	6.1
60°	6.3	6.4	6.4	6.4	5.8	5.6
60.5°	5.7	5.9	5.9	5.9	5.3	5.0
61°	5.1	5.4	5.5	5.4	4.9	4.5
61.5°	4.6	4.9	5.0	4.8	4.4	4.1
62°	4.2	4.4	4.6	4.3	4.0	3.7
62.5°	3.9	4.0	4.2	4.0	3.6	3.4
63°	3.6	3.7	3.9	3.7	3.4	3.1
63.5°	3.3	3.4	3.6	3.4	3.1	2.9
64°	3.1	3.2	3.3	3.1	2.8	2.7
64.5°	2.8	3.0	3.1	2.9	2.6	2.5
65°	2.6	2.7	2.8	2.7	2.4	2.3
65.5°	2.4	2.5	2.6	2.5	2.3	2.1
66°	2.3	2.4	2.5	2.3	2.1	2.0
66.5°	2.1	2.2	2.3	2.2	1.9	1.8
67°	2.0	2.0	2.1	2.0	1.8	1.7

TEST NUMBER: P1590460

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	1.8	1.9	2.0	1.9	1.7	1.6
68°	1.7	1.8	1.8	1.7	1.6	1.4
68.5°	1.6	1.7	1.7	1.6	1.4	1.3
69°	1.5	1.5	1.6	1.5	1.3	1.2
69.5°	1.4	1.4	1.5	1.4	1.2	1.2
70°	1.3	1.3	1.4	1.3	1.2	1.1
70.5°	1.2	1.2	1.3	1.2	1.1	1.0
71°	1.1	1.1	1.2	1.1	1.0	0.9
71.5°	1.0	1.1	1.1	1.0	0.9	0.8
72°	0.9	1.0	1.0	1.0	0.8	0.8
72.5°	0.9	0.9	0.9	0.9	0.8	0.7
73°	0.8	0.8	0.9	0.8	0.7	0.7
73.5°	0.7	0.8	0.8	0.8	0.7	0.6
74°	0.7	0.7	0.7	0.7	0.6	0.6
74.5°	0.6	0.7	0.7	0.6	0.6	0.5
75°	0.6	0.6	0.6	0.6	0.5	0.5
75.5°	0.5	0.6	0.6	0.5	0.5	0.4
76°	0.5	0.5	0.5	0.5	0.4	0.4
76.5°	0.4	0.5	0.5	0.4	0.4	0.3
77°	0.4	0.4	0.4	0.4	0.3	0.3
77.5°	0.4	0.4	0.4	0.4	0.3	0.3
78°	0.3	0.3	0.4	0.3	0.3	0.2
78.5°	0.3	0.3	0.3	0.3	0.2	0.2
79°	0.3	0.3	0.3	0.3	0.2	0.2
79.5°	0.2	0.2	0.3	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.1
80.5°	0.2	0.2	0.2	0.2	0.1	0.1
81°	0.1	0.2	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	0.1
82.5°	0.1	0.1	0.1	0.1	0.0	0.0
83°	0.1	0.1	0.1	0.1	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0
89°	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1590460

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-4000K

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: P1590460

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.0	0.0	0.0	0.0	0.0	0.0
116.5°	0.0	0.0	0.0	0.0	0.0	0.0
117°	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0
118°	0.0	0.0	0.0	0.0	0.0	0.0
118.5°	0.0	0.0	0.0	0.0	0.0	0.0
119°	0.0	0.0	0.0	0.0	0.0	0.0
119.5°	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0
120.5°	0.0	0.0	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0
121.5°	0.0	0.1	0.1	0.0	0.0	0.0
122°	0.0	0.1	0.1	0.1	0.1	0.0
122.5°	0.0	0.1	0.1	0.1	0.1	0.1
123°	0.0	0.1	0.1	0.1	0.1	0.1
123.5°	0.0	0.1	0.1	0.1	0.1	0.1
124°	0.1	0.1	0.1	0.1	0.1	0.1
124.5°	0.1	0.1	0.1	0.1	0.1	0.1
125°	0.1	0.1	0.1	0.1	0.1	0.1
125.5°	0.1	0.1	0.1	0.1	0.1	0.1
126°	0.1	0.1	0.1	0.1	0.1	0.1
126.5°	0.1	0.1	0.1	0.1	0.1	0.1
127°	0.1	0.1	0.1	0.1	0.1	0.1
127.5°	0.1	0.1	0.1	0.1	0.1	0.1
128°	0.1	0.1	0.1	0.1	0.1	0.1
128.5°	0.1	0.1	0.1	0.1	0.1	0.1
129°	0.1	0.1	0.1	0.1	0.1	0.1
129.5°	0.2	0.1	0.1	0.1	0.1	0.1
130°	0.2	0.2	0.2	0.2	0.1	0.1
130.5°	0.2	0.2	0.2	0.2	0.2	0.2
131°	0.2	0.2	0.2	0.2	0.2	0.2
131.5°	0.2	0.2	0.2	0.2	0.2	0.2
132°	0.2	0.2	0.2	0.2	0.2	0.2
132.5°	0.2	0.2	0.2	0.2	0.2	0.2
133°	0.2	0.2	0.2	0.2	0.2	0.2
133.5°	0.2	0.2	0.2	0.2	0.2	0.2
134°	0.3	0.2	0.2	0.2	0.2	0.2
134.5°	0.3	0.2	0.2	0.2	0.2	0.2

TEST NUMBER: P1590460

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-4000K

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	0.3	0.3	0.2	0.2	0.2
137.5°	0.3	0.3	0.3	0.3	0.3	0.2
138°	0.4	0.3	0.3	0.3	0.3	0.3
138.5°	0.4	0.3	0.3	0.3	0.3	0.3
139°	0.4	0.3	0.3	0.3	0.3	0.3
139.5°	0.4	0.3	0.3	0.3	0.3	0.3
140°	0.4	0.3	0.3	0.3	0.3	0.3
140.5°	0.4	0.3	0.3	0.3	0.3	0.3
141°	0.4	0.3	0.3	0.3	0.3	0.3
141.5°	0.5	0.3	0.3	0.3	0.3	0.3
142°	0.5	0.3	0.3	0.3	0.3	0.3
142.5°	0.5	0.3	0.3	0.3	0.3	0.3
143°	0.5	0.3	0.3	0.3	0.3	0.3
143.5°	0.5	0.3	0.3	0.3	0.3	0.3
144°	0.5	0.3	0.3	0.3	0.3	0.3
144.5°	0.5	0.3	0.3	0.3	0.3	0.3
145°	0.6	0.4	0.4	0.4	0.4	0.3
145.5°	0.6	0.4	0.4	0.4	0.4	0.4
146°	0.6	0.4	0.4	0.4	0.4	0.4
146.5°	0.6	0.4	0.4	0.4	0.4	0.4
147°	0.6	0.4	0.4	0.4	0.4	0.4
147.5°	0.6	0.4	0.4	0.4	0.4	0.4
148°	0.6	0.4	0.4	0.4	0.4	0.4
148.5°	0.7	0.4	0.4	0.4	0.4	0.4
149°	0.7	0.4	0.4	0.4	0.4	0.4
149.5°	0.7	0.4	0.4	0.4	0.4	0.4
150°	0.7	0.4	0.4	0.4	0.4	0.4
150.5°	0.7	0.4	0.4	0.4	0.4	0.4
151°	0.7	0.4	0.4	0.4	0.4	0.4
151.5°	0.7	0.4	0.4	0.4	0.4	0.4
152°	0.7	0.4	0.4	0.4	0.4	0.4
152.5°	0.8	0.4	0.4	0.4	0.4	0.4
153°	0.8	0.4	0.4	0.4	0.4	0.4
153.5°	0.8	0.4	0.4	0.4	0.4	0.4
154°	0.8	0.4	0.4	0.5	0.5	0.4
154.5°	0.8	0.4	0.4	0.5	0.5	0.5
155°	0.8	0.4	0.5	0.5	0.5	0.5
155.5°	0.8	0.4	0.5	0.5	0.5	0.5
156°	0.8	0.5	0.5	0.5	0.5	0.5
156.5°	0.8	0.5	0.5	0.5	0.5	0.5
157°	0.9	0.5	0.5	0.5	0.5	0.5

TEST NUMBER: P1590460

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	0.9	0.5	0.5	0.5	0.5	0.5
158°	0.9	0.5	0.5	0.5	0.5	0.5
158.5°	0.9	0.5	0.5	0.5	0.5	0.5
159°	0.9	0.5	0.5	0.5	0.5	0.5
159.5°	0.9	0.5	0.5	0.5	0.5	0.5
160°	0.9	0.5	0.5	0.5	0.5	0.5
160.5°	0.9	0.5	0.5	0.5	0.5	0.5
161°	0.9	0.5	0.5	0.5	0.5	0.5
161.5°	0.9	0.5	0.5	0.5	0.5	0.5
162°	0.9	0.5	0.5	0.5	0.5	0.5
162.5°	0.9	0.5	0.5	0.5	0.5	0.5
163°	0.9	0.5	0.5	0.5	0.5	0.5
163.5°	0.9	0.5	0.5	0.5	0.5	0.5
164°	0.9	0.5	0.5	0.5	0.5	0.5
164.5°	0.9	0.5	0.5	0.5	0.5	0.5
165°	0.9	0.5	0.5	0.5	0.5	0.5
165.5°	0.9	0.5	0.5	0.5	0.5	0.5
166°	0.9	0.5	0.5	0.5	0.5	0.5
166.5°	0.9	0.5	0.5	0.5	0.5	0.5
167°	0.9	0.5	0.5	0.5	0.5	0.5
167.5°	0.9	0.5	0.5	0.5	0.5	0.5
168°	0.9	0.5	0.5	0.5	0.5	0.5
168.5°	0.9	0.5	0.5	0.5	0.5	0.5
169°	0.9	0.5	0.5	0.5	0.5	0.5
169.5°	0.9	0.5	0.5	0.5	0.5	0.5
170°	0.9	0.5	0.5	0.5	0.5	0.5
170.5°	0.9	0.5	0.5	0.5	0.5	0.5
171°	0.9	0.5	0.5	0.5	0.5	0.5
171.5°	0.8	0.5	0.5	0.5	0.5	0.5
172°	0.8	0.5	0.5	0.5	0.5	0.5
172.5°	0.8	0.5	0.5	0.5	0.5	0.5
173°	0.8	0.5	0.5	0.5	0.5	0.5
173.5°	0.8	0.5	0.5	0.5	0.5	0.5
174°	0.8	0.5	0.5	0.5	0.5	0.5
174.5°	0.8	0.5	0.5	0.5	0.5	0.5
175°	0.8	0.5	0.5	0.5	0.5	0.5
175.5°	0.8	0.5	0.5	0.5	0.5	0.5
176°	0.8	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	0.6	0.6	0.6	0.5
177.5°	0.7	0.6	0.6	0.6	0.6	0.6
178°	0.7	0.6	0.6	0.6	0.6	0.6
178.5°	0.7	0.6	0.6	0.6	0.6	0.6
179°	0.7	0.6	0.6	0.6	0.6	0.6
179.5°	0.7	0.7	0.7	0.7	0.7	0.6



TEST NUMBER: P1590460

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	0.7	0.7	0.7	0.7	0.7	0.7

TEST NUMBER: P1590460

CATALOG NUMBER: HCDLS1525CSD4TRC-LO-4000K

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	4.2	5.3	4.6	5.6	5.9	5.2	6.3	5.6	6.6	6.9
	3H	4.1	5.1	4.5	5.4	5.8	5.2	6.1	5.5	6.4	6.8
	4H	4.1	4.9	4.5	5.3	5.7	5.1	5.9	5.5	6.3	6.7
	6H	4.0	4.7	4.4	5.1	5.5	5.0	5.8	5.4	6.1	6.5
	8H	3.9	4.6	4.4	5.0	5.4	4.9	5.7	5.4	6.1	6.5
	12H	3.9	4.6	4.3	4.9	5.4	4.9	5.6	5.3	6.0	6.4
4H	2H	4.0	4.9	4.4	5.2	5.6	5.0	5.9	5.4	6.2	6.6
	3H	4.0	4.7	4.4	5.1	5.5	5.0	5.7	5.4	6.1	6.5
	4H	3.9	4.5	4.3	4.9	5.4	4.9	5.5	5.3	5.9	6.4
	6H	3.8	4.3	4.3	4.8	5.3	4.8	5.3	5.3	5.8	6.2
	8H	3.7	4.2	4.2	4.7	5.1	4.7	5.2	5.2	5.7	6.1
	12H	3.7	4.1	4.2	4.6	5.1	4.7	5.1	5.2	5.6	6.1
8H	4H	3.7	4.2	4.2	4.7	5.2	4.7	5.2	5.2	5.7	6.1
	6H	3.6	4.0	4.1	4.5	5.0	4.6	5.0	5.1	5.5	6.0
	8H	3.6	3.9	4.1	4.4	4.9	4.6	4.9	5.1	5.4	5.9
	12H	3.5	3.8	4.0	4.3	4.9	4.5	4.8	5.0	5.3	5.9
12H	4H	3.7	4.1	4.2	4.6	5.1	4.7	5.1	5.2	5.6	6.1
	6H	3.6	3.9	4.1	4.4	4.9	4.6	4.9	5.1	5.4	5.9
	8H	3.5	3.8	4.0	4.3	4.9	4.5	4.8	5.0	5.3	5.9

(END OF REPORT)