

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: P888017

Luminaire Tested: RLS4099FS1EMBDMR-3000K

Issue Date: 10/10/2024

Test Information

Test Method: LM-79-2019
Report Number: P888017
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2403161A001)
Test Lab: INNOVATION CENTER
Issue Date: 10/10/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: RLS4099FS1EMBDMR-3000K
Description:
Light Source: -
Ballast/Driver: -

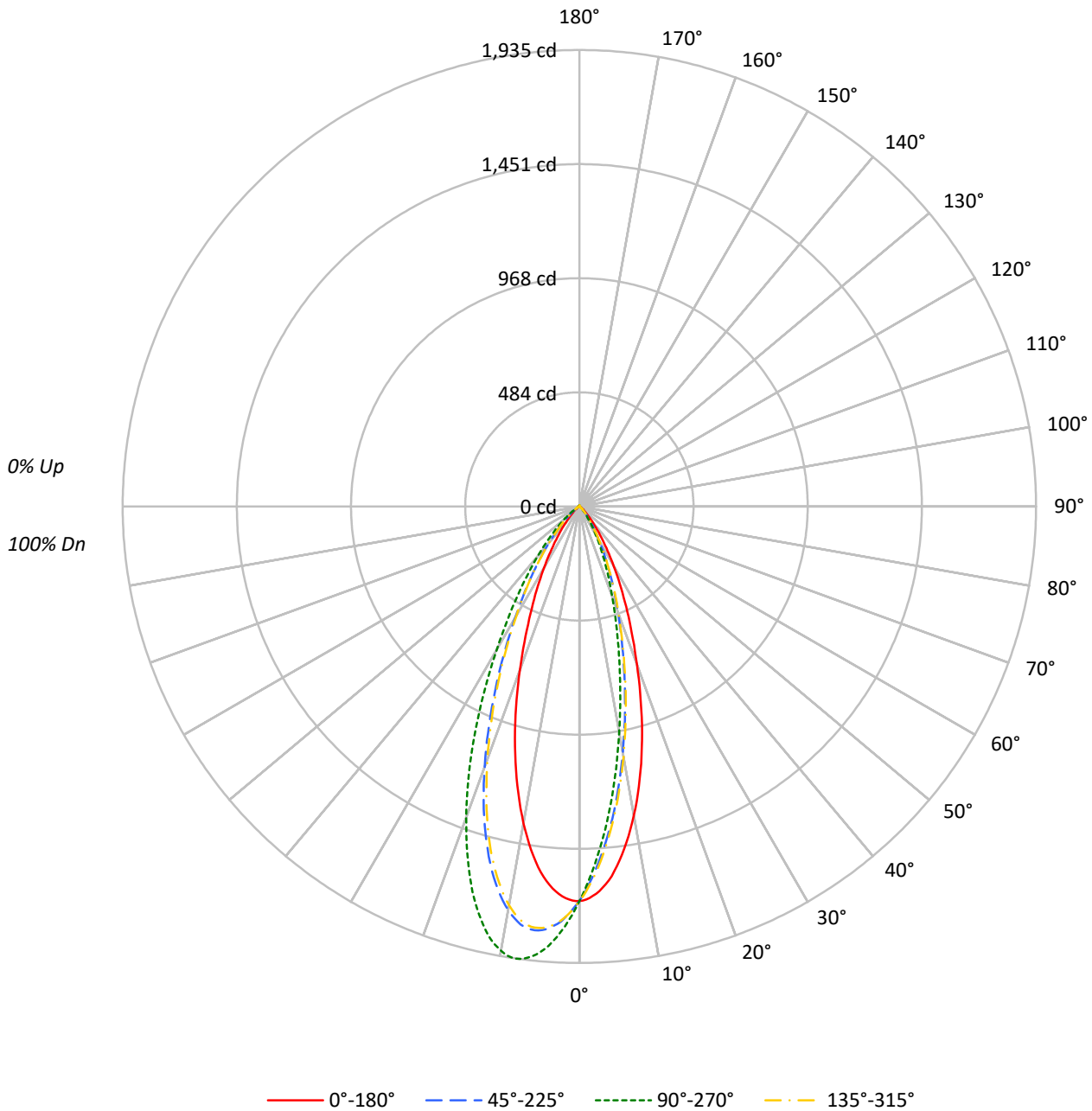
Summary

Lumens per Lamp: 909.86 (1 lamp)
Luminaire Lumens: 920.0 lumens
Efficiency: 101.1%
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.67 / 0.67
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: RLS4099FS1EMBDMR-3000K

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	120	120	120	120	118	118	118	118	112	112	112	107	107	107	103	103	103	101						101													
1	115	112	110	108	113	110	108	106	106	104	103	102	101	100	99	98	97	95						95													
2	110	105	101	98	108	103	100	97	100	97	95	97	95	93	94	92	91	89						89													
3	105	99	94	90	103	97	93	89	95	91	88	92	89	86	90	87	85	84						84													
4	100	93	87	83	98	92	87	83	89	85	82	87	84	81	85	83	80	79						79													
5	95	87	82	78	94	86	81	77	85	80	77	83	79	76	81	78	75	74						74													
6	91	83	77	73	90	82	77	73	80	76	72	79	75	72	78	74	71	70						70													
7	87	78	73	69	86	78	72	68	76	72	68	75	71	68	74	70	67	66						66													
8	83	74	69	65	82	74	68	65	73	68	64	72	67	64	71	67	64	63						63													
9	80	71	65	61	79	70	65	61	69	64	61	68	64	61	68	64	61	59						59													
10	76	67	62	58	76	67	62	58	66	61	58	65	61	58	65	61	58	57						57													

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	210509	210509	210509	210509
5°	198667	169460	201383	239510
10°	169809	124341	174218	244426
15°	133755	84440	137208	224228
20°	95717	54896	98436	187725
25°	65167	34409	66222	144123
30°	42317	20272	43378	101709
35°	25718	10923	26302	68659
40°	14736	5766	14819	44538
45°	7938	3435	8116	27533
50°	4621	2173	4621	15526
55°	2940	1602	2874	7153
60°	1888	1082	1888	3599
65°	1161	715	1042	2025
70°	662	37	368	1067
75°	292	0	0	583
80°	72	0	0	217
85°	0	0	0	144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 270°
 Vertical Angle: 45°
 Luminance: 27533 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	146.2	15.9	16.1
10°-20°	306.2	33.3	33.7
20°-30°	256.4	27.9	28.2
30°-40°	136.6	14.9	15.0
40°-50°	52.0	5.7	5.7
50°-60°	15.7	1.7	1.7
60°-70°	4.2	0.5	0.5
70°-80°	0.6	0.1	0.1
80°-90°	0.0	0.0	0.0
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.1	0.0	0.0
140°-150°	0.3	0.0	0.0
150°-160°	0.6	0.1	0.1
160°-170°	0.7	0.1	0.1
170°-180°	0.3	0.0	0.0
0°-30°	708.8	77.0	77.9
0°-40°	845.4	91.9	92.9
0°-60°	913.2	99.3	100.4
0°-90°	918.0	99.8	100.9
90°-120°	0.0	0.0	0.0
90°-150°	0.4	0.0	0.0
90°-180°	2.0	0.2	0.2
0°-180°	920.0	100.0	101.1

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1673	1673	1673	1673	1673	
5°	1573	1341	1594	1896	1573	142
15°	1027	648	1053	1721	1027	281
25°	469	248	477	1038	469	216
35°	167	71	171	447	167	107
45°	45	19	46	155	45	37
55°	13	7	13	33	13	12
65°	4	2	4	7	4	4
75°	1	0	0	1	1	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	1	0	0	0	0
145°	0	1	1	0	0	0
155°	1	3	2	0	1	0
165°	2	4	4	1	2	1
175°	2	3	3	2	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1672.7	1672.7	1672.7	1672.7	1672.7	1672.7	1672.7	1672.7	1672.7	1672.7	1672.7
0.5°	1670.4	1658.3	1649.8	1641.9	1644.0	1648.6	1653.9	1661.4	1672.6	1682.8	1691.6
1°	1666.2	1642.9	1626.3	1613.4	1612.8	1621.6	1632.9	1648.8	1670.7	1691.7	1710.1
1.5°	1660.0	1627.3	1599.8	1582.6	1581.1	1590.3	1608.7	1634.8	1666.5	1698.8	1727.6
2°	1651.4	1609.5	1573.1	1551.4	1549.6	1559.1	1584.3	1619.1	1661.8	1705.9	1744.7
2.5°	1643.3	1589.2	1545.2	1518.1	1516.9	1527.1	1558.3	1601.7	1654.4	1710.4	1760.2
3°	1632.7	1567.7	1517.2	1485.8	1482.0	1494.7	1530.6	1582.5	1645.4	1711.9	1771.8
3.5°	1619.0	1544.6	1487.5	1451.7	1448.0	1462.4	1502.6	1562.1	1635.0	1712.8	1781.2
4°	1605.4	1521.1	1458.0	1418.9	1413.3	1429.2	1472.5	1540.7	1623.7	1711.2	1790.2
4.5°	1589.4	1496.6	1427.4	1383.7	1378.0	1394.9	1441.8	1517.4	1609.2	1707.7	1797.7
5°	1572.6	1470.5	1395.6	1348.0	1341.4	1359.6	1412.2	1493.8	1594.1	1702.8	1802.8
5.5°	1552.3	1443.1	1362.9	1313.0	1304.4	1324.7	1380.1	1468.3	1577.1	1695.7	1805.6
6°	1531.5	1416.5	1332.0	1278.0	1267.4	1289.0	1348.6	1442.0	1559.1	1687.0	1806.8
6.5°	1509.3	1388.8	1299.2	1242.6	1231.6	1253.2	1315.5	1413.6	1538.5	1675.8	1805.1
7°	1486.3	1360.6	1266.2	1205.4	1195.2	1217.1	1282.3	1385.6	1517.6	1662.3	1801.3
7.5°	1461.9	1329.9	1230.8	1169.7	1157.3	1180.2	1249.4	1354.9	1493.7	1646.6	1795.9
8°	1437.4	1298.8	1196.9	1132.9	1119.9	1143.5	1214.4	1325.4	1469.6	1631.9	1789.1
8.5°	1411.7	1267.9	1161.8	1096.3	1083.4	1108.3	1180.1	1295.2	1443.8	1615.4	1778.7
9°	1384.7	1237.1	1127.9	1060.0	1045.5	1071.0	1146.1	1264.9	1417.8	1596.6	1766.0
9.5°	1356.6	1206.1	1094.0	1024.7	1009.0	1035.9	1110.9	1233.8	1391.1	1575.9	1752.1
10°	1328.8	1175.3	1059.7	989.2	973.0	1000.8	1077.1	1201.6	1363.3	1553.6	1736.6
10.5°	1301.5	1142.3	1025.7	954.3	938.5	964.3	1042.5	1169.0	1333.7	1530.4	1719.4
11°	1272.6	1110.6	991.6	919.2	902.9	928.4	1008.6	1136.4	1304.6	1506.6	1700.7
11.5°	1243.9	1078.8	959.2	886.0	868.8	894.7	974.7	1103.3	1274.8	1480.8	1680.6
12°	1214.1	1047.5	926.8	851.9	834.8	861.5	941.2	1070.5	1243.9	1454.1	1660.0
12.5°	1182.6	1014.9	893.1	819.7	801.9	828.2	907.2	1037.1	1212.8	1425.4	1636.7
13°	1152.5	982.7	860.7	787.9	768.8	796.5	875.5	1005.3	1181.2	1397.6	1612.5
13.5°	1121.6	950.7	828.6	756.3	738.2	765.1	843.0	972.7	1149.3	1368.5	1587.1
14°	1090.7	918.8	797.0	725.3	706.6	732.5	811.4	940.3	1116.7	1338.8	1559.7
14.5°	1058.3	886.9	766.2	696.0	676.6	702.0	781.0	908.3	1085.1	1308.7	1532.1
15°	1026.6	855.2	735.9	668.0	648.1	673.3	749.5	876.3	1053.1	1276.9	1502.5
15.5°	994.9	823.8	706.7	639.9	620.8	645.3	719.5	844.7	1021.5	1245.3	1472.9
16°	962.8	793.8	677.7	611.7	593.3	617.2	690.5	814.1	988.4	1212.7	1442.4
16.5°	930.9	764.0	651.1	586.3	566.9	591.0	663.8	784.2	955.9	1179.4	1411.2
17°	898.1	734.1	623.4	561.5	541.7	565.0	635.3	753.5	924.2	1146.4	1379.6
17.5°	866.3	705.2	598.1	537.5	517.5	541.0	608.5	722.8	892.0	1113.4	1346.5
18°	833.8	677.3	571.7	513.9	494.6	517.3	582.0	693.9	859.8	1079.0	1312.6
18.5°	804.3	649.9	548.5	490.5	472.1	494.0	556.7	666.7	828.1	1045.0	1277.9
19°	773.9	623.4	525.3	468.8	449.9	471.8	532.9	638.7	796.5	1011.3	1243.3
19.5°	743.3	597.9	502.2	447.4	429.4	450.5	510.4	612.0	765.4	978.3	1208.7
20°	714.7	573.8	480.8	427.1	409.9	430.6	487.4	586.5	735.0	944.1	1173.2
20.5°	686.6	549.6	459.4	407.4	390.6	411.1	465.6	561.7	705.9	912.1	1138.2
21°	658.4	526.3	438.7	387.5	371.7	391.8	444.9	537.3	676.8	878.3	1103.2
21.5°	631.9	504.4	418.9	369.2	353.5	373.1	425.2	514.3	648.8	845.2	1067.8
22°	605.4	482.6	399.3	352.1	337.3	355.2	405.9	491.8	620.7	813.2	1032.7



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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°	581.3	461.5	381.0	335.1	321.1	337.9	386.9	470.9	595.2	781.6	998.0
23°	557.6	441.4	363.5	318.4	305.4	321.5	368.7	450.1	569.2	749.4	963.3
23.5°	534.2	421.1	346.1	302.2	290.0	305.7	351.1	430.7	545.4	719.3	930.0
24°	511.9	401.8	329.2	286.6	275.3	290.0	333.6	411.2	521.5	688.2	896.0
24.5°	490.5	383.2	312.7	272.3	261.3	274.9	317.6	392.1	498.9	658.5	862.2
25°	469.3	365.5	296.5	258.0	247.8	260.6	301.6	373.5	476.9	629.7	829.0
25.5°	449.2	348.6	281.1	244.3	235.0	247.0	285.9	356.1	457.1	603.2	797.8
26°	429.1	332.3	267.0	231.5	223.0	234.0	271.2	339.4	437.2	576.3	765.7
26.5°	409.8	316.1	253.1	219.0	211.2	221.7	256.9	322.9	417.9	550.6	734.7
27°	391.0	300.4	239.7	207.0	199.3	210.1	243.0	307.0	399.0	527.0	704.4
27.5°	372.8	285.0	226.7	195.0	188.4	198.5	229.7	291.4	380.0	503.8	675.1
28°	355.6	270.7	214.2	183.8	178.3	187.7	217.0	276.0	362.5	482.2	646.7
28.5°	338.8	256.8	202.2	173.4	168.1	177.2	205.0	261.8	346.0	461.5	618.7
29°	322.7	243.3	191.1	163.8	158.2	167.1	193.5	248.0	330.3	441.8	592.1
29.5°	306.7	230.5	180.2	154.3	148.6	157.1	182.7	234.7	314.3	422.1	566.3
30°	291.2	217.9	169.8	145.5	139.5	147.7	172.0	221.7	298.5	402.3	541.3
30.5°	276.8	206.1	160.2	137.1	131.4	138.8	161.6	209.8	283.6	384.4	518.1
31°	262.9	194.3	151.0	128.7	123.6	130.8	151.8	198.0	269.1	366.6	495.4
31.5°	248.8	183.3	142.3	120.6	115.8	122.9	142.5	186.6	254.8	349.7	473.2
32°	235.6	172.9	133.8	112.9	108.4	115.1	134.2	175.5	241.2	333.2	452.1
32.5°	223.0	163.0	125.6	105.8	101.5	108.0	126.1	164.7	228.5	316.9	432.2
33°	210.7	153.5	117.6	98.9	94.9	101.3	118.0	154.6	216.4	301.3	412.0
33.5°	198.9	144.4	110.3	92.5	88.5	94.2	110.4	145.0	204.2	285.9	393.0
34°	188.1	135.8	103.5	86.5	82.3	88.0	103.6	136.1	192.9	271.7	374.5
34.5°	177.4	127.2	96.4	80.8	76.7	81.9	96.6	127.7	182.2	257.7	356.4
35°	167.4	119.3	90.3	75.5	71.1	76.2	89.8	119.6	171.2	243.7	338.9
35.5°	157.5	111.6	84.4	70.4	66.3	70.9	83.8	111.6	161.0	231.0	322.7
36°	149.1	104.5	78.9	65.8	61.7	66.1	78.0	104.6	151.6	218.9	306.7
36.5°	140.2	97.4	73.4	61.3	57.7	61.5	72.5	97.3	142.2	206.9	291.1
37°	132.1	90.9	68.5	57.0	53.8	57.5	67.5	90.7	133.8	195.1	275.4
37.5°	123.6	84.9	63.7	53.1	50.2	53.6	63.1	84.4	125.6	184.2	261.2
38°	116.1	79.2	59.3	49.1	46.7	50.1	59.1	78.6	118.0	173.4	246.9
38.5°	108.7	73.7	55.1	45.2	43.5	46.6	55.0	73.0	110.3	163.3	233.2
39°	101.9	68.9	51.0	42.1	40.5	43.4	51.2	68.0	103.5	153.7	220.6
39.5°	95.4	64.0	47.0	39.3	37.7	40.5	47.6	63.2	96.7	144.5	208.6
40°	89.7	59.5	43.3	36.6	35.1	37.7	44.3	59.2	90.2	136.0	196.6
40.5°	84.1	55.3	40.0	34.2	32.8	35.2	41.3	55.1	84.1	127.8	185.0
41°	78.8	51.2	37.0	32.1	30.6	32.9	38.5	51.3	78.6	120.1	174.1
41.5°	73.4	47.4	34.6	30.0	28.6	30.7	35.9	47.7	73.2	112.4	163.1
42°	68.9	43.6	32.2	28.3	26.9	28.7	33.6	44.4	68.5	105.4	152.8
42.5°	64.5	40.5	30.1	26.7	25.4	27.0	31.5	41.4	64.2	98.4	143.1
43°	60.1	37.6	28.2	25.1	23.9	25.5	29.4	38.5	60.2	92.3	133.7
43.5°	56.0	35.1	26.7	23.8	22.6	24.0	27.7	36.0	56.1	86.0	125.1
44°	52.0	32.7	25.1	22.5	21.3	22.7	26.2	33.6	52.3	80.2	117.0
44.5°	48.1	30.7	23.8	21.3	20.1	21.4	24.7	31.5	48.8	74.6	109.2



TEST NUMBER: P888017
 CATALOG NUMBER: RLS4099FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	44.6	28.7	22.5	20.3	19.3	20.3	23.4	29.4	45.6	69.6	101.8
45.5°	41.7	27.1	21.4	19.2	18.3	19.7	22.1	27.7	42.4	64.9	94.6
46°	39.0	25.6	20.2	18.2	17.1	18.4	21.0	26.1	39.6	60.9	87.9
46.5°	36.5	24.2	19.2	17.3	16.2	17.5	19.9	24.7	37.0	56.7	81.8
47°	34.1	22.8	18.3	16.5	15.5	16.5	18.8	23.2	34.4	52.8	75.9
47.5°	31.6	21.6	17.4	15.8	14.7	15.9	17.8	21.9	32.2	49.2	70.3
48°	29.7	20.6	16.5	14.9	13.8	14.9	17.3	20.7	30.3	45.7	65.3
48.5°	27.9	19.6	15.8	14.4	13.4	14.4	16.2	19.8	28.1	42.5	60.9
49°	26.3	18.6	15.1	13.6	12.3	13.6	15.4	18.7	26.6	39.5	56.9
49.5°	24.8	17.6	14.4	13.1	12.2	12.6	14.7	17.7	25.3	36.8	52.9
50°	23.6	16.7	13.8	12.5	11.1	12.5	13.9	16.8	23.6	34.3	48.8
50.5°	22.0	16.0	13.3	12.0	10.8	11.4	13.4	16.0	22.2	31.9	45.3
51°	21.0	15.2	12.7	11.4	10.2	10.9	12.5	15.1	20.8	29.7	42.0
51.5°	19.7	14.5	12.1	11.0	9.9	10.6	12.2	14.5	20.0	27.8	38.9
52°	18.6	13.8	11.6	10.5	9.8	10.0	11.3	13.6	18.6	26.2	36.0
52.5°	17.6	13.1	11.1	10.3	9.3	10.0	10.9	12.8	17.6	24.5	33.4
53°	16.6	12.5	10.7	9.7	8.4	10.0	10.3	12.3	16.5	22.9	30.8
53.5°	15.8	11.9	10.3	9.3	8.4	8.8	9.9	11.4	15.7	21.5	28.2
54°	14.9	11.3	9.7	9.0	7.9	8.4	9.7	11.1	15.1	20.1	25.7
54.5°	14.2	10.8	9.3	8.6	7.4	8.4	8.8	10.2	14.0	18.5	23.1
55°	13.4	10.5	8.8	8.2	7.3	8.0	8.5	9.9	13.1	17.3	21.1
55.5°	12.8	9.9	8.4	7.9	7.2	7.5	8.1	9.5	12.6	16.0	19.4
56°	12.0	9.3	8.0	7.7	6.9	7.1	7.5	8.7	11.4	15.0	17.8
56.5°	11.4	8.8	7.6	7.2	6.1	6.6	7.2	8.5	11.0	13.9	16.7
57°	10.8	8.3	7.1	6.8	5.7	6.1	7.1	7.8	10.1	13.1	15.7
57.5°	10.3	7.9	6.8	6.5	5.6	5.9	6.4	7.4	10.1	12.6	14.9
58°	9.6	7.5	6.5	6.1	5.3	5.8	6.0	7.3	8.8	11.5	13.6
58.5°	9.0	7.1	6.1	5.9	5.1	5.3	5.9	6.6	8.6	10.8	12.7
59°	8.5	6.7	5.7	5.5	4.8	4.9	5.4	6.1	7.9	10.1	12.4
59.5°	8.0	6.2	5.4	5.2	4.6	4.9	4.9	6.0	7.5	10.0	11.1
60°	7.5	5.8	5.2	5.0	4.3	4.9	4.8	5.5	7.5	8.8	10.2
60.5°	7.0	5.6	4.8	4.6	3.5	4.9	4.7	4.9	6.3	8.6	9.8
61°	6.6	5.4	4.5	4.2	3.3	4.0	4.4	4.8	5.8	7.5	8.8
61.5°	6.1	4.8	4.2	4.0	3.3	3.5	4.1	4.8	5.6	7.5	8.3
62°	5.8	4.5	4.0	3.8	3.4	3.4	3.7	4.4	5.4	6.8	7.5
62.5°	5.4	4.2	3.6	3.5	3.2	3.4	3.4	3.7	5.3	6.0	7.5
63°	5.2	4.0	3.5	3.4	2.9	3.2	3.0	3.6	5.1	5.8	6.5
63.5°	4.8	3.6	3.2	3.2	2.7	3.0	2.7	3.6	4.9	5.3	6.0
64°	4.5	3.4	3.1	3.0	2.5	2.9	2.4	3.4	4.4	4.9	5.9
64.5°	4.1	3.2	2.9	2.7	2.3	2.7	2.3	2.7	4.0	4.9	5.2
65°	3.9	2.9	2.8	2.6	2.4	2.5	2.2	2.3	3.5	4.9	4.8
65.5°	3.6	2.8	2.7	2.6	2.3	2.6	2.1	2.2	3.0	4.1	4.8
66°	3.2	2.6	2.4	2.3	2.0	2.5	2.0	2.1	2.6	3.6	4.8
66.5°	3.0	2.4	2.3	2.0	1.2	2.3	1.9	2.0	2.4	3.3	3.7
67°	2.8	2.3	2.0	1.8	0.9	1.4	1.4	1.9	2.4	3.4	3.4



TEST NUMBER: P888017
 CATALOG NUMBER: RLS4099FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	2.7	2.1	1.9	1.7	0.8	1.0	1.1	1.8	2.5	2.8	3.3
68°	2.5	2.0	1.6	1.5	0.8	0.9	1.0	1.2	2.5	2.5	3.2
68.5°	2.1	1.8	1.5	1.4	0.7	0.9	0.9	1.0	2.2	2.5	2.6
69°	1.9	1.7	1.3	1.3	0.6	0.8	0.8	0.9	1.5	2.3	2.5
69.5°	1.9	1.6	1.3	1.1	0.5	0.9	0.8	0.8	1.1	2.0	2.3
70°	1.8	1.5	1.1	1.0	0.1	0.8	0.7	0.7	1.0	1.7	2.1
70.5°	1.8	1.3	1.0	1.0	0.0	0.2	0.6	0.6	0.8	1.5	1.9
71°	1.7	1.1	0.8	0.9	0.0	0.0	0.2	0.6	0.7	1.2	1.7
71.5°	1.6	1.0	0.9	0.8	0.0	0.0	0.0	0.5	0.6	1.0	1.5
72°	1.4	0.9	0.8	0.7	0.0	0.0	0.0	0.1	0.6	0.9	1.4
72.5°	1.1	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.5	0.8	1.2
73°	1.0	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.8	1.1
73.5°	0.9	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.1	0.7	1.0
74°	0.8	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.8
74.5°	0.7	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.9
75°	0.6	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4
75.5°	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
76°	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
76.5°	0.5	0.2	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
77°	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
78°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
78.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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: P888017
 CATALOG NUMBER: RLS4099FS1EMBDMR-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	0.0	0.0	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	0.1	0.0	0.0	0.0	0.0	0.0
101°	0.0	0.0	0.0	0.0	0.0	0.1	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	0.1	0.0	0.0	0.0	0.0	0.0
104.5°	0.0	0.0	0.0	0.0	0.0	0.1	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	0.1	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: P888017
 CATALOG NUMBER: RLS4099FS1EMBDMR-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	0.1	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.1	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	0.1	0.0	0.0	0.0	0.0
121°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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°	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
123.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
124.5°	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
125.5°	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.1
126.5°	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0
128.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.2	0.3	0.1	0.0	0.0	0.0	0.0
129.5°	0.0	0.0	0.0	0.0	0.2	0.3	0.1	0.0	0.1	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.2	0.3	0.1	0.1	0.1	0.0	0.0
130.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.1	0.1	0.0
131°	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.1	0.1	0.0
131.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.1	0.1	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.1	0.1	0.1	0.0
132.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.1	0.1	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.1	0.1	0.0	0.0
133.5°	0.0	0.0	0.0	0.0	0.5	0.4	0.3	0.1	0.1	0.2	0.0
134°	0.0	0.0	0.0	0.0	0.5	0.5	0.4	0.2	0.1	0.2	0.0
134.5°	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.2	0.1	0.1	0.0



TEST NUMBER: P888017
 CATALOG NUMBER: RLS4099FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
135°	0.0	0.0	0.0	0.0	0.6	0.4	0.3	0.2	0.1	0.1	0.0
135.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.2	0.1	0.1	0.0
136°	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.2	0.2	0.1	0.0
136.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.3	0.2	0.1	0.1
137°	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.3	0.3	0.1	0.1
137.5°	0.0	0.0	0.0	0.0	0.7	0.6	0.5	0.3	0.3	0.1	0.1
138°	0.0	0.0	0.0	0.0	0.7	0.6	0.6	0.4	0.3	0.2	0.2
138.5°	0.0	0.0	0.0	0.0	0.8	0.7	0.5	0.4	0.2	0.2	0.2
139°	0.0	0.0	0.0	0.0	0.8	0.7	0.6	0.4	0.2	0.2	0.2
139.5°	0.0	0.0	0.0	0.0	0.9	0.8	0.6	0.5	0.3	0.2	0.2
140°	0.0	0.0	0.0	0.0	0.9	0.9	0.6	0.4	0.3	0.2	0.2
140.5°	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.5	0.4	0.3	0.2
141°	0.0	0.0	0.0	0.0	1.0	1.0	0.8	0.5	0.4	0.2	0.2
141.5°	0.0	0.0	0.0	0.0	1.0	1.0	0.8	0.6	0.4	0.3	0.2
142°	0.0	0.0	0.0	0.0	1.0	1.0	0.9	0.6	0.6	0.3	0.2
142.5°	0.0	0.0	0.0	0.0	1.0	1.1	0.9	0.6	0.5	0.4	0.3
143°	0.0	0.0	0.0	0.0	1.2	1.2	1.0	0.7	0.6	0.4	0.3
143.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.0	0.7	0.6	0.5	0.3
144°	0.0	0.0	0.0	0.0	1.2	1.3	1.0	0.7	0.7	0.4	0.3
144.5°	0.0	0.0	0.0	0.0	1.2	1.4	1.0	0.8	0.7	0.6	0.4
145°	0.0	0.0	0.0	0.0	1.3	1.4	1.0	0.8	0.7	0.5	0.4
145.5°	0.0	0.0	0.0	0.0	1.3	1.4	1.0	0.9	0.7	0.6	0.4
146°	0.0	0.0	0.0	0.0	1.4	1.5	1.0	1.0	0.9	0.6	0.5
146.5°	0.0	0.0	0.0	0.1	1.4	1.6	1.1	1.0	0.8	0.6	0.5
147°	0.0	0.0	0.0	0.1	1.5	1.6	1.1	1.1	0.8	0.7	0.5
147.5°	0.0	0.0	0.0	0.2	1.6	1.7	1.2	1.1	0.9	0.7	0.6
148°	0.0	0.0	0.0	0.4	1.7	1.8	1.2	1.1	1.0	0.8	0.6
148.5°	0.0	0.0	0.0	0.6	1.6	1.8	1.3	1.2	1.1	0.8	0.7
149°	0.0	0.0	0.0	0.6	1.8	1.8	1.3	1.2	1.1	0.9	0.7
149.5°	0.0	0.0	0.1	0.6	1.8	2.0	1.4	1.4	1.2	0.9	0.8
150°	0.0	0.1	0.2	0.7	2.1	2.1	1.4	1.4	1.3	1.0	0.8
150.5°	0.1	0.2	0.3	0.7	2.1	2.0	1.5	1.5	1.3	1.0	0.9
151°	0.0	0.5	0.3	0.7	2.2	2.1	1.7	1.5	1.4	1.1	0.8
151.5°	0.0	0.6	0.6	0.7	2.1	2.2	1.8	1.6	1.5	1.2	1.0
152°	0.2	0.7	0.6	0.8	2.4	2.3	1.9	1.6	1.5	1.2	0.9
152.5°	0.3	0.8	0.6	0.8	2.4	2.5	2.0	1.7	1.5	1.4	0.9
153°	0.4	0.8	0.7	0.8	2.5	2.5	2.0	1.9	1.5	1.4	1.0
153.5°	0.6	0.7	0.9	0.8	2.5	2.5	2.1	1.9	1.7	1.5	1.0
154°	0.7	0.7	0.9	0.9	2.6	2.6	2.1	2.0	1.9	1.5	1.2
154.5°	0.7	0.8	0.9	0.9	2.6	2.7	2.2	2.1	1.9	1.6	1.2
155°	0.8	0.7	0.9	1.0	2.7	2.7	2.3	2.2	1.9	1.7	1.3
155.5°	0.8	0.8	0.9	1.0	2.7	2.8	2.4	2.2	2.1	1.7	1.3
156°	0.8	0.8	0.9	1.0	2.9	2.8	2.5	2.3	2.1	1.8	1.4
156.5°	0.8	1.0	0.9	1.2	3.0	2.9	2.6	2.3	2.3	1.9	1.5
157°	0.9	1.0	1.0	1.4	3.1	2.9	2.7	2.4	2.5	2.0	1.6



TEST NUMBER: P888017
 CATALOG NUMBER: RLS4099FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.9	1.1	1.0	2.1	3.2	3.0	2.8	2.5	2.7	2.1	1.6
158°	0.9	1.2	1.1	2.4	3.2	3.1	2.9	2.6	2.6	2.2	1.7
158.5°	0.9	1.9	1.6	2.5	3.3	3.1	2.9	2.7	2.7	2.3	1.8
159°	1.0	2.0	1.9	2.5	3.4	3.2	2.9	2.8	2.8	2.4	1.9
159.5°	1.0	2.0	2.4	2.5	3.4	3.3	3.0	2.8	2.9	2.6	2.0
160°	1.1	2.0	2.5	2.5	3.4	3.4	3.0	2.9	2.9	2.7	2.1
160.5°	1.2	2.1	2.5	2.5	3.5	3.5	3.1	3.0	3.1	2.7	2.2
161°	1.8	2.1	2.5	2.5	3.5	3.5	3.1	3.0	3.2	2.8	2.4
161.5°	2.3	2.1	2.5	2.5	3.5	3.6	3.1	3.1	3.2	2.9	2.6
162°	2.3	2.2	2.5	2.5	3.5	3.6	3.1	3.1	3.3	2.9	2.6
162.5°	2.4	2.2	2.5	2.5	3.5	3.7	3.1	3.2	3.4	3.0	2.7
163°	2.4	2.2	2.5	2.5	3.5	3.6	3.1	3.2	3.4	3.1	2.7
163.5°	2.4	2.2	2.5	2.5	3.5	3.5	3.1	3.3	3.5	3.1	2.8
164°	2.4	2.3	2.5	2.5	3.5	3.6	3.1	3.4	3.5	3.2	2.7
164.5°	2.4	2.3	2.5	2.5	3.6	3.6	3.2	3.5	3.5	3.3	2.9
165°	2.4	2.3	2.5	2.5	3.6	3.7	3.2	3.6	3.6	3.4	3.0
165.5°	2.4	2.4	2.4	2.5	3.6	3.8	3.2	3.6	3.7	3.5	3.1
166°	2.4	2.4	2.4	2.6	3.7	3.8	3.2	3.6	3.7	3.5	3.2
166.5°	2.4	2.4	2.4	2.6	3.6	3.8	3.2	3.6	3.7	3.5	3.3
167°	2.4	2.5	2.4	2.6	3.7	3.8	3.2	3.6	3.6	3.5	3.4
167.5°	2.4	2.5	2.4	2.6	3.6	3.8	3.2	3.8	3.7	3.5	3.4
168°	2.4	2.5	2.4	2.5	3.7	3.8	3.0	3.7	3.7	3.5	3.4
168.5°	2.4	2.6	2.5	2.6	3.6	3.8	3.0	3.7	3.7	3.5	3.4
169°	2.4	2.6	2.5	2.6	3.7	3.8	3.0	3.6	3.7	3.6	3.4
169.5°	2.4	2.6	2.6	2.7	3.6	3.7	2.9	3.6	3.7	3.6	3.4
170°	2.4	2.7	2.7	2.8	3.6	3.7	2.9	3.5	3.7	3.6	3.4
170.5°	2.4	2.7	2.7	2.9	3.8	3.7	2.9	3.5	3.7	3.6	3.4
171°	2.4	2.8	2.9	3.0	3.6	3.7	2.8	3.4	3.7	3.6	3.4
171.5°	2.4	3.0	3.2	3.1	3.7	3.7	2.8	3.4	3.6	3.6	3.5
172°	2.4	3.0	3.2	3.1	3.8	3.7	2.7	3.4	3.6	3.6	3.5
172.5°	2.5	3.0	3.2	3.1	3.7	3.7	2.7	3.3	3.5	3.6	3.4
173°	2.5	3.0	3.2	3.1	3.8	3.6	2.7	3.3	3.5	3.6	3.4
173.5°	2.5	3.0	3.2	3.1	3.6	3.6	2.6	3.3	3.6	3.6	3.4
174°	2.5	3.0	3.3	3.1	3.6	3.6	2.6	3.2	3.6	3.6	3.4
174.5°	2.5	3.0	3.3	3.1	3.1	3.5	2.6	2.9	3.5	3.6	3.4
175°	2.5	3.0	3.3	3.1	3.0	3.3	2.5	2.7	3.3	3.6	3.4
175.5°	2.5	3.0	3.3	3.1	3.0	2.9	2.5	2.6	3.2	3.3	3.4
176°	2.5	3.1	3.3	3.1	3.0	2.9	2.5	2.5	3.1	3.2	3.3
176.5°	2.5	3.1	3.3	3.1	2.9	2.8	2.5	2.4	2.9	3.0	3.3
177°	2.5	3.1	3.3	3.1	2.9	2.7	2.5	2.3	2.8	2.9	3.2
177.5°	2.5	3.1	3.3	3.1	2.8	2.6	2.5	2.3	2.7	2.8	3.1
178°	2.5	3.1	3.3	3.1	2.8	2.6	2.5	2.3	2.7	2.6	3.1
178.5°	2.5	3.1	3.3	3.1	2.8	2.5	2.5	2.3	2.7	2.5	3.1
179°	2.5	3.1	3.3	3.1	2.8	2.5	2.4	2.3	2.7	2.5	3.1
179.5°	2.5	3.1	3.3	3.1	2.8	2.5	2.4	2.3	2.7	2.5	3.1



TEST NUMBER: P888017
CATALOG NUMBER: RLS4099FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5



TEST NUMBER: P888017
 CATALOG NUMBER: RLS4099FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1672.7	1672.7	1672.7	1672.7	1672.7	1672.7
0.5°	1697.4	1703.4	1701.5	1692.4	1682.6	1670.4
1°	1724.0	1731.3	1726.9	1710.7	1690.7	1666.2
1.5°	1748.5	1757.4	1750.3	1727.9	1697.0	1660.0
2°	1771.9	1782.9	1773.6	1742.9	1700.3	1651.4
2.5°	1793.5	1804.7	1794.6	1755.8	1702.1	1643.3
3°	1813.7	1828.0	1814.4	1767.3	1701.6	1632.7
3.5°	1831.4	1848.1	1830.7	1776.9	1699.7	1619.0
4°	1847.4	1866.6	1846.2	1784.6	1696.0	1605.4
4.5°	1860.6	1882.4	1859.4	1789.9	1691.3	1589.4
5°	1873.5	1895.9	1871.2	1793.6	1683.9	1572.6
5.5°	1883.5	1907.9	1881.5	1795.0	1674.9	1552.3
6°	1891.4	1917.4	1888.8	1794.9	1664.0	1531.5
6.5°	1896.9	1924.7	1894.2	1793.5	1649.8	1509.3
7°	1900.7	1931.0	1896.8	1788.9	1635.8	1486.3
7.5°	1901.3	1934.5	1896.9	1780.8	1620.4	1461.9
8°	1901.2	1935.4	1894.2	1772.1	1603.7	1437.4
8.5°	1898.9	1933.5	1888.9	1760.1	1583.6	1411.7
9°	1894.0	1929.2	1883.4	1747.7	1564.6	1384.7
9.5°	1886.6	1922.3	1875.0	1732.3	1543.3	1356.6
10°	1877.0	1912.7	1863.7	1715.4	1521.7	1328.8
10.5°	1865.2	1901.3	1850.1	1697.5	1497.0	1301.5
11°	1851.6	1888.9	1835.0	1677.9	1471.5	1272.6
11.5°	1835.5	1874.4	1817.7	1654.7	1446.5	1243.9
12°	1817.1	1858.3	1798.8	1632.2	1420.8	1214.1
12.5°	1796.7	1838.5	1776.2	1608.2	1393.4	1182.6
13°	1774.9	1817.8	1753.8	1583.5	1366.5	1152.5
13.5°	1751.1	1795.0	1730.4	1556.9	1337.4	1121.6
14°	1726.5	1772.2	1705.7	1530.1	1306.6	1090.7
14.5°	1699.7	1746.1	1679.3	1501.1	1275.3	1058.3
15°	1672.0	1721.0	1653.1	1471.8	1243.6	1026.6
15.5°	1643.1	1693.9	1623.1	1439.6	1211.4	994.9
16°	1614.7	1663.7	1591.1	1407.8	1179.7	962.8
16.5°	1584.7	1632.9	1560.9	1375.7	1147.6	930.9
17°	1553.4	1601.6	1528.0	1342.6	1113.6	898.1
17.5°	1521.7	1570.2	1495.3	1308.9	1081.7	866.3
18°	1489.1	1538.3	1461.7	1274.4	1048.5	833.8
18.5°	1454.9	1504.0	1427.7	1240.0	1014.5	804.3
19°	1420.7	1469.9	1394.0	1205.7	980.3	773.9
19.5°	1386.7	1435.5	1358.8	1171.5	947.3	743.3
20°	1352.8	1401.7	1324.0	1138.5	915.5	714.7
20.5°	1317.7	1365.7	1288.2	1105.1	883.1	686.6
21°	1281.5	1330.3	1251.7	1069.3	849.2	658.4
21.5°	1245.6	1294.0	1216.0	1035.2	818.3	631.9
22°	1209.4	1257.9	1180.1	1002.6	787.5	605.4



TEST NUMBER: P888017
 CATALOG NUMBER: RLS4099FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1173.3	1221.9	1145.1	969.1	757.8	581.3
23°	1136.6	1184.1	1109.0	936.0	728.3	557.6
23.5°	1100.2	1147.0	1074.1	903.4	699.0	534.2
24°	1065.1	1110.6	1037.7	870.1	670.3	511.9
24.5°	1029.7	1074.2	1002.8	838.0	642.8	490.5
25°	994.7	1037.9	967.2	806.1	616.7	469.3
25.5°	961.0	1001.9	932.6	776.5	592.0	449.2
26°	926.7	966.4	897.7	745.9	568.0	429.1
26.5°	892.0	930.9	865.9	715.8	543.9	409.8
27°	858.5	895.6	833.1	687.2	521.6	391.0
27.5°	825.3	861.5	801.2	658.7	499.5	372.8
28°	793.2	827.8	768.3	631.9	478.3	355.6
28.5°	761.3	794.4	737.8	606.1	458.1	338.8
29°	730.5	761.6	707.8	581.1	437.7	322.7
29.5°	699.1	731.2	679.4	556.9	418.3	306.7
30°	669.4	699.9	651.1	532.6	399.0	291.2
30.5°	641.7	671.1	623.6	510.3	380.9	276.8
31°	613.5	642.0	596.0	488.8	363.3	262.9
31.5°	586.6	614.5	570.8	467.6	346.4	248.8
32°	560.6	586.7	546.8	446.7	329.8	235.6
32.5°	536.7	562.2	523.2	427.0	313.6	223.0
33°	513.1	537.2	500.6	407.5	297.6	210.7
33.5°	489.9	513.2	477.7	388.8	282.3	198.9
34°	467.4	489.9	456.5	370.1	268.1	188.1
34.5°	446.0	468.1	436.1	352.4	253.7	177.4
35°	425.9	446.9	416.2	335.6	240.5	167.4
35.5°	406.5	426.8	396.6	319.4	227.9	157.5
36°	386.3	406.5	377.4	303.5	215.5	149.1
36.5°	367.3	386.7	359.1	287.1	203.0	140.2
37°	348.8	368.4	341.9	272.1	191.6	132.1
37.5°	331.6	350.9	325.2	257.7	180.6	123.6
38°	315.1	333.9	309.1	243.8	170.7	116.1
38.5°	298.8	317.1	292.9	230.3	160.4	108.7
39°	283.2	301.5	277.5	218.0	151.3	101.9
39.5°	268.4	286.0	263.0	205.4	142.2	95.4
40°	253.4	271.1	248.9	193.6	133.2	89.7
40.5°	239.7	257.3	235.6	181.9	124.8	84.1
41°	226.2	243.7	223.2	171.4	116.8	78.8
41.5°	213.4	231.0	210.9	161.1	109.2	73.4
42°	201.6	219.1	199.0	151.4	101.8	68.9
42.5°	189.9	207.1	187.7	141.9	95.0	64.5
43°	178.9	195.7	177.3	133.2	88.5	60.1
43.5°	168.2	184.2	167.0	124.6	82.7	56.0
44°	158.1	173.9	157.4	116.5	77.0	52.0
44.5°	148.5	163.8	148.4	108.6	71.7	48.1



TEST NUMBER: P888017
 CATALOG NUMBER: RLS4099FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	139.2	154.7	139.9	101.6	67.0	44.6
45.5°	131.0	145.3	131.4	94.6	62.5	41.7
46°	122.9	136.8	123.6	88.2	58.2	39.0
46.5°	115.0	128.4	115.5	82.3	54.1	36.5
47°	107.8	120.4	108.0	76.7	50.2	34.1
47.5°	100.6	112.6	101.1	71.4	46.6	31.6
48°	94.0	105.2	94.6	66.8	43.4	29.7
48.5°	87.4	98.0	88.3	62.2	40.4	27.9
49°	81.2	91.4	82.2	57.8	37.7	26.3
49.5°	75.5	85.1	76.6	53.7	35.2	24.8
50°	70.2	79.3	71.3	49.7	32.8	23.6
50.5°	65.1	73.8	66.2	45.8	30.7	22.0
51°	60.4	68.7	61.6	42.4	28.8	21.0
51.5°	55.9	63.7	57.0	39.5	26.9	19.7
52°	51.9	58.8	52.8	36.8	25.3	18.6
52.5°	47.8	54.0	48.6	34.3	23.9	17.6
53°	43.6	49.2	44.4	31.9	22.5	16.6
53.5°	39.5	44.1	40.1	29.4	21.1	15.8
54°	35.3	39.7	36.2	27.2	19.7	14.9
54.5°	31.8	35.9	32.6	25.0	18.4	14.2
55°	28.9	32.6	29.6	23.4	17.1	13.4
55.5°	26.4	29.6	27.3	21.8	16.2	12.8
56°	24.4	27.3	25.3	20.4	15.2	12.0
56.5°	22.4	25.4	23.4	19.2	14.3	11.4
57°	20.6	23.1	21.5	17.9	13.5	10.8
57.5°	19.0	21.3	19.9	16.9	12.7	10.3
58°	17.6	19.6	18.3	15.8	11.8	9.6
58.5°	16.2	18.1	17.0	14.7	11.2	9.0
59°	15.0	16.8	15.7	13.8	10.5	8.5
59.5°	13.9	15.5	14.4	13.0	9.8	8.0
60°	12.9	14.3	13.3	12.1	9.2	7.5
60.5°	12.4	13.2	12.3	11.3	8.6	7.0
61°	10.9	12.3	11.4	10.5	8.0	6.6
61.5°	10.1	11.4	10.7	9.8	7.4	6.1
62°	9.8	10.6	10.0	9.2	6.9	5.8
62.5°	8.7	10.0	9.2	8.5	6.5	5.4
63°	8.5	9.2	8.6	8.0	6.1	5.2
63.5°	7.5	8.5	8.1	7.6	5.7	4.8
64°	7.5	7.9	7.7	6.9	5.3	4.5
64.5°	6.7	7.5	7.0	6.5	4.9	4.1
65°	6.0	6.8	6.6	6.0	4.6	3.9
65.5°	5.8	6.3	6.1	5.6	4.3	3.6
66°	5.0	5.8	5.6	5.3	4.0	3.2
66.5°	4.9	5.3	5.3	4.8	3.7	3.0
67°	4.9	5.1	4.9	4.4	3.5	2.8



TEST NUMBER: P888017
 CATALOG NUMBER: RLS4099FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	3.8	4.5	4.5	4.2	3.2	2.7
68°	3.4	4.1	4.1	3.9	3.0	2.5
68.5°	3.3	3.8	3.8	3.6	2.8	2.1
69°	2.8	3.4	3.4	3.3	2.7	1.9
69.5°	2.6	3.2	3.3	3.1	2.5	1.9
70°	2.6	2.9	3.0	2.8	2.1	1.8
70.5°	2.5	2.7	2.8	2.6	1.9	1.8
71°	2.6	2.6	2.6	2.4	1.7	1.7
71.5°	2.4	2.3	2.4	2.3	1.6	1.6
72°	1.2	2.0	2.0	2.1	1.5	1.4
72.5°	1.0	1.8	1.8	1.9	1.4	1.1
73°	0.7	1.6	1.6	1.7	1.3	1.0
73.5°	0.8	1.5	1.4	1.5	1.1	0.9
74°	0.7	1.4	1.3	1.4	1.1	0.8
74.5°	0.6	1.3	1.3	1.4	0.9	0.7
75°	0.4	1.2	1.2	1.3	1.0	0.6
75.5°	0.2	1.1	1.2	1.2	0.8	0.6
76°	0.1	1.0	1.1	1.1	0.7	0.5
76.5°	0.0	0.9	0.9	1.0	0.7	0.5
77°	0.0	0.9	0.9	0.9	0.6	0.3
77.5°	0.0	0.8	0.8	0.8	0.6	0.4
78°	0.0	0.6	0.7	0.7	0.5	0.2
78.5°	0.0	0.6	0.5	0.6	0.3	0.2
79°	0.0	0.5	0.5	0.5	0.3	0.1
79.5°	0.0	0.4	0.4	0.5	0.2	0.1
80°	0.0	0.3	0.3	0.4	0.0	0.1
80.5°	0.0	0.2	0.2	0.3	0.0	0.0
81°	0.0	0.2	0.1	0.0	0.1	0.0
81.5°	0.0	0.1	0.0	0.1	0.1	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.1	0.0	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	0.1	0.0	0.0	0.0	0.0
85.5°	0.0	0.1	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: P888017
 CATALOG NUMBER: RLS4099FS1EMBDMR-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: P888017
 CATALOG NUMBER: RLS4099FS1EMBDMR-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°	0.1	0.0	0.0	0.0	0.0	0.0
116.5°	0.1	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	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0
123°	0.0	0.0	0.0	0.0	0.0	0.0
123.5°	0.0	0.0	0.0	0.0	0.0	0.0
124°	0.0	0.0	0.0	0.0	0.0	0.0
124.5°	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0
125.5°	0.0	0.0	0.0	0.0	0.0	0.0
126°	0.0	0.0	0.0	0.0	0.0	0.0
126.5°	0.0	0.0	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.0	0.0
128.5°	0.0	0.0	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.0	0.0
129.5°	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0
130.5°	0.0	0.0	0.0	0.0	0.0	0.0
131°	0.0	0.0	0.0	0.0	0.0	0.0
131.5°	0.0	0.0	0.0	0.0	0.0	0.0
132°	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0
133°	0.0	0.0	0.0	0.0	0.0	0.0
133.5°	0.0	0.0	0.0	0.0	0.0	0.0
134°	0.0	0.0	0.0	0.0	0.0	0.0
134.5°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P888017
 CATALOG NUMBER: RLS4099FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.0	0.0	0.0	0.0	0.0	0.0
135.5°	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0
136.5°	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.1	0.0	0.0	0.0	0.0	0.0
138.5°	0.1	0.0	0.0	0.0	0.0	0.0
139°	0.1	0.0	0.0	0.0	0.0	0.0
139.5°	0.1	0.0	0.0	0.0	0.0	0.0
140°	0.1	0.0	0.0	0.0	0.0	0.0
140.5°	0.2	0.0	0.0	0.0	0.0	0.0
141°	0.2	0.0	0.0	0.0	0.0	0.0
141.5°	0.2	0.0	0.0	0.0	0.0	0.0
142°	0.2	0.0	0.0	0.0	0.0	0.0
142.5°	0.2	0.0	0.0	0.0	0.0	0.0
143°	0.2	0.0	0.0	0.0	0.0	0.0
143.5°	0.2	0.0	0.0	0.0	0.0	0.0
144°	0.2	0.0	0.0	0.0	0.0	0.0
144.5°	0.3	0.0	0.0	0.0	0.0	0.0
145°	0.3	0.0	0.0	0.0	0.0	0.0
145.5°	0.4	0.0	0.0	0.0	0.0	0.0
146°	0.4	0.0	0.0	0.0	0.0	0.0
146.5°	0.4	0.0	0.0	0.0	0.0	0.0
147°	0.5	0.0	0.0	0.0	0.0	0.0
147.5°	0.5	0.0	0.0	0.0	0.1	0.0
148°	0.5	0.0	0.0	0.0	0.1	0.0
148.5°	0.5	0.0	0.0	0.0	0.1	0.0
149°	0.6	0.0	0.0	0.0	0.1	0.0
149.5°	0.6	0.0	0.0	0.0	0.1	0.0
150°	0.7	0.0	0.0	0.0	0.1	0.0
150.5°	0.7	0.0	0.0	0.0	0.1	0.1
151°	0.8	0.0	0.0	0.0	0.1	0.0
151.5°	0.8	0.0	0.0	0.0	0.1	0.0
152°	0.7	0.0	0.0	0.0	0.1	0.2
152.5°	0.9	0.0	0.1	0.0	0.1	0.3
153°	0.9	0.0	0.1	0.0	0.1	0.4
153.5°	0.9	0.0	0.0	0.0	0.1	0.6
154°	1.0	0.0	0.0	0.0	0.2	0.7
154.5°	1.0	0.0	0.0	0.0	0.1	0.7
155°	1.0	0.0	0.0	0.0	0.1	0.8
155.5°	1.2	0.0	0.0	0.0	0.2	0.8
156°	1.1	0.0	0.0	0.0	0.6	0.8
156.5°	1.4	0.0	0.0	0.1	0.7	0.8
157°	1.4	0.0	0.0	0.3	0.7	0.9



TEST NUMBER: P888017
 CATALOG NUMBER: RLS4099FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.4	0.1	0.1	0.4	0.8	0.9
158°	1.4	0.1	0.1	0.5	0.8	0.9
158.5°	1.5	0.2	0.2	0.6	0.8	0.9
159°	1.6	0.2	0.2	0.7	0.8	1.0
159.5°	1.8	0.3	0.6	0.7	0.8	1.0
160°	1.8	0.5	0.7	0.7	0.9	1.1
160.5°	1.7	0.7	0.8	0.7	1.0	1.2
161°	2.0	0.8	0.7	0.7	1.0	1.8
161.5°	2.1	0.8	0.9	0.8	1.1	2.3
162°	2.1	0.8	0.9	0.8	1.2	2.3
162.5°	2.2	0.8	0.9	0.9	1.3	2.4
163°	2.2	0.8	0.9	0.9	1.4	2.4
163.5°	2.4	0.8	0.9	1.0	1.6	2.4
164°	2.5	0.8	0.9	1.0	2.3	2.4
164.5°	2.6	0.8	0.9	1.0	2.4	2.4
165°	2.7	0.8	0.9	1.0	2.6	2.4
165.5°	2.8	0.8	1.0	1.3	2.6	2.4
166°	2.8	0.8	1.0	1.3	2.6	2.4
166.5°	2.9	0.9	1.0	1.4	2.6	2.4
167°	3.0	0.9	1.0	1.7	2.6	2.4
167.5°	3.1	1.0	1.2	1.8	2.6	2.4
168°	3.2	1.1	1.3	1.9	2.6	2.4
168.5°	3.3	1.1	1.9	2.1	2.6	2.4
169°	3.3	1.3	2.3	2.1	2.6	2.4
169.5°	3.4	1.6	2.4	2.1	2.6	2.4
170°	3.4	2.0	2.5	2.2	2.6	2.4
170.5°	3.5	2.4	2.5	2.2	2.6	2.4
171°	3.5	2.4	2.5	2.2	2.6	2.4
171.5°	3.6	2.4	2.5	2.2	2.6	2.4
172°	3.6	2.4	2.5	2.2	2.6	2.4
172.5°	3.6	2.4	2.4	2.2	2.6	2.5
173°	3.6	2.4	2.4	2.3	2.6	2.5
173.5°	3.6	2.4	2.4	2.3	2.6	2.5
174°	3.5	2.4	2.4	2.3	2.6	2.5
174.5°	3.5	2.4	2.4	2.3	2.6	2.5
175°	3.5	2.4	2.4	2.3	2.6	2.5
175.5°	3.4	2.4	2.4	2.3	2.6	2.5
176°	3.4	2.4	2.4	2.3	2.6	2.5
176.5°	3.4	2.4	2.4	2.3	2.6	2.5
177°	3.3	2.4	2.4	2.3	2.6	2.5
177.5°	3.3	2.4	2.4	2.3	2.6	2.5
178°	3.3	2.4	2.4	2.3	2.6	2.5
178.5°	3.3	2.4	2.4	2.3	2.8	2.5
179°	3.3	2.4	2.4	2.3	2.7	2.5
179.5°	3.3	2.4	2.4	2.3	2.7	2.5



TEST NUMBER: P888017
CATALOG NUMBER: RLS4099FS1EMBDMR-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	2.5	2.5	2.5	2.5	2.5	2.5

(END OF REPORT)