

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: P888020

Luminaire Tested: RLS4099FS1EMBDMR-5000K

Issue Date: 10/10/2024

Test Information

Test Method: LM-79-2019
Report Number: P888020
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-5000K
Description:
Light Source: -
Ballast/Driver: -

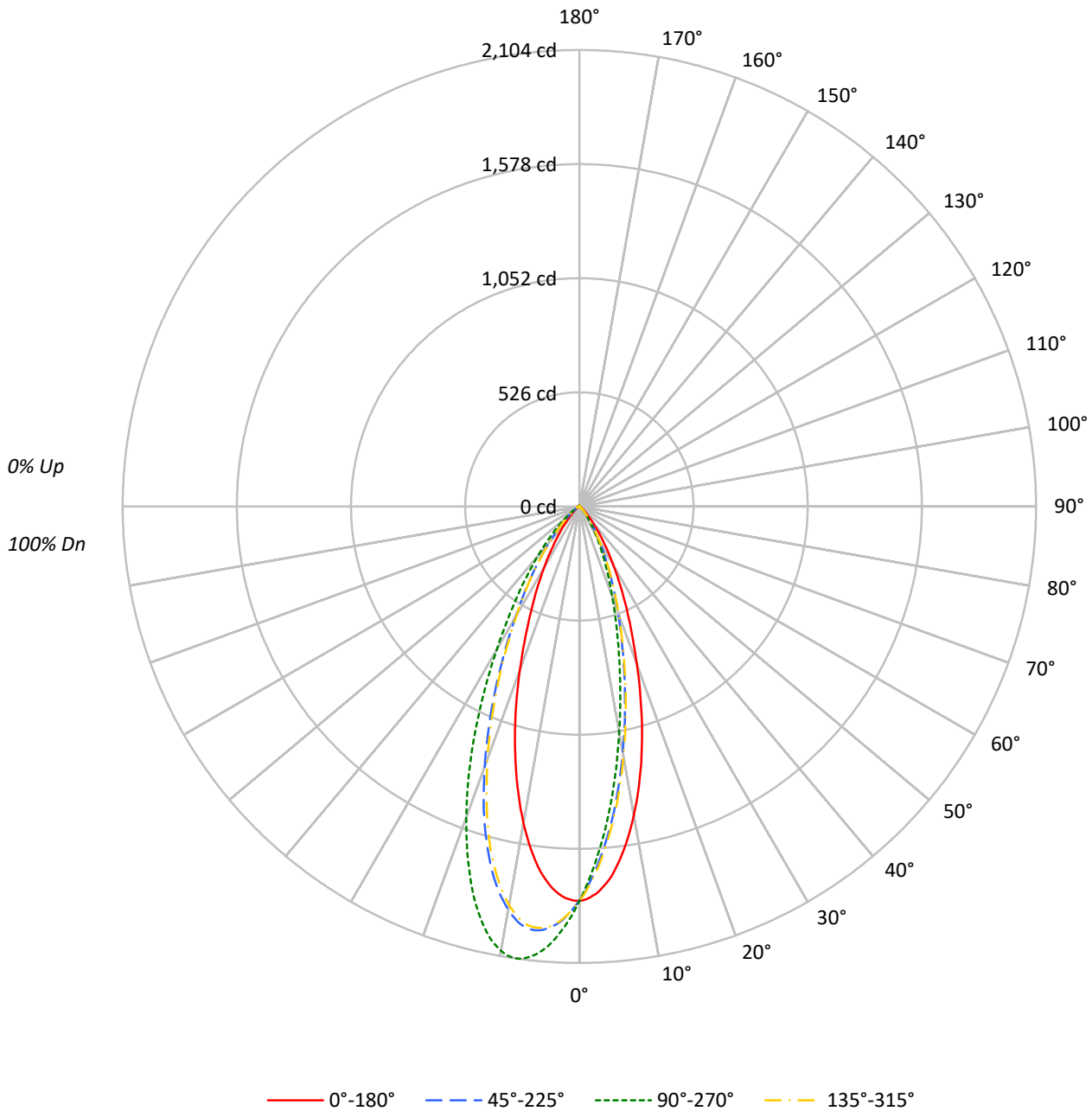
Summary

Lumens per Lamp: 909.86 (1 lamp)
Luminaire Lumens: 1000.0 lumens
Efficiency: 109.9%
Efficacy: 88.5 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): 11.3
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-5000K

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				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	131	131	131	131	128	128	128	128	122	122	122	117	117	117	112	112	112	110
1	125	122	120	117	122	120	117	115	115	113	112	111	110	108	107	106	105	103
2	119	114	110	107	117	112	109	105	109	106	103	106	103	101	102	100	99	97
3	114	107	102	98	112	106	101	97	103	99	96	100	97	94	98	95	93	91
4	109	101	95	91	107	99	94	90	97	93	89	95	91	88	93	90	87	85
5	104	95	89	85	102	94	88	84	92	87	83	90	86	83	89	85	82	80
6	99	90	84	79	97	89	83	79	87	82	78	86	81	78	84	80	77	76
7	95	85	79	75	93	84	79	74	83	78	74	82	77	74	80	76	73	72
8	90	81	75	70	89	80	74	70	79	74	70	78	73	70	77	73	69	68
9	87	77	71	67	86	76	71	67	75	70	66	74	70	66	73	69	66	65
10	83	73	67	63	82	73	67	63	72	67	63	71	66	63	70	66	63	61

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	228820	228820	228820	228820
5°	215949	184190	218893	260342
10°	184582	135152	189374	265678
15°	145390	91789	149142	243719
20°	104034	59664	106994	204037
25°	70832	37395	71985	156662
30°	45993	22045	47141	110559
35°	27961	11876	28576	74636
40°	16018	6276	16116	48415
45°	8632	3738	8810	29918
50°	5012	2369	5012	16877
55°	3181	1733	3116	7767
60°	2039	1183	2064	3927
65°	1251	774	1132	2204
70°	699	37	405	1177
75°	340	0	0	632
80°	72	0	0	217
85°	0	0	0	144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 270°
 Vertical Angle: 45°
 Luminance: 29918 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	158.9	15.9	17.5
10°-20°	332.8	33.3	36.6
20°-30°	278.6	27.9	30.6
30°-40°	148.5	14.9	16.3
40°-50°	56.6	5.7	6.2
50°-60°	17.1	1.7	1.9
60°-70°	4.6	0.5	0.5
70°-80°	0.7	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°	0.8	0.1	0.1
170°-180°	0.3	0.0	0.0
0°-30°	770.4	77.0	84.7
0°-40°	918.9	91.9	101.0
0°-60°	992.6	99.3	109.1
0°-90°	997.9	99.8	109.7
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°	1000.0	100.0	109.9

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1818	1818	1818	1818	1818	
5°	1709	1458	1733	2061	1709	154
15°	1116	704	1145	1871	1116	305
25°	510	269	518	1128	510	235
35°	182	77	186	486	182	117
45°	48	21	50	168	48	40
55°	14	8	14	35	14	14
65°	4	3	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°	3	4	4	1	3	1
175°	3	3	4	3	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1818.2	1818.2	1818.2	1818.2	1818.2	1818.2	1818.2	1818.2	1818.2	1818.2	1818.2
0.5°	1815.7	1802.5	1793.2	1784.7	1787.0	1791.9	1797.8	1805.9	1818.1	1829.1	1838.7
1°	1811.1	1785.8	1767.7	1753.7	1753.0	1762.6	1774.9	1792.1	1816.0	1838.9	1858.8
1.5°	1804.3	1768.8	1739.0	1720.3	1718.6	1728.6	1748.6	1777.0	1811.4	1846.6	1877.9
2°	1795.0	1749.5	1709.9	1686.3	1684.3	1694.7	1722.0	1759.9	1806.3	1854.2	1896.5
2.5°	1786.2	1727.4	1679.6	1650.1	1648.8	1659.9	1693.8	1740.9	1798.3	1859.1	1913.3
3°	1774.7	1704.0	1649.2	1615.0	1610.9	1624.6	1663.7	1720.2	1788.5	1860.7	1925.9
3.5°	1759.8	1678.9	1616.8	1577.9	1573.9	1589.6	1633.2	1698.0	1777.2	1861.7	1936.1
4°	1745.0	1653.3	1584.8	1542.3	1536.2	1553.4	1600.6	1674.7	1764.9	1860.0	1945.9
4.5°	1727.6	1626.7	1551.6	1504.0	1497.8	1516.2	1567.2	1649.4	1749.2	1856.2	1954.0
5°	1709.4	1598.4	1516.9	1465.2	1458.0	1477.8	1535.0	1623.7	1732.7	1850.8	1959.5
5.5°	1687.3	1568.6	1481.4	1427.1	1417.8	1439.9	1500.1	1596.0	1714.2	1843.1	1962.6
6°	1664.7	1539.7	1447.8	1389.1	1377.6	1401.1	1465.8	1567.4	1694.7	1833.7	1963.9
6.5°	1640.6	1509.6	1412.2	1350.7	1338.7	1362.2	1429.9	1536.5	1672.2	1821.5	1962.1
7°	1615.5	1478.9	1376.3	1310.2	1299.1	1323.0	1393.8	1506.1	1649.6	1806.9	1957.9
7.5°	1589.0	1445.5	1337.8	1271.4	1257.9	1282.8	1358.0	1472.8	1623.6	1789.7	1952.1
8°	1562.4	1411.8	1301.0	1231.4	1217.3	1242.9	1320.0	1440.7	1597.4	1773.8	1944.7
8.5°	1534.4	1378.1	1262.8	1191.6	1177.7	1204.7	1282.7	1407.8	1569.4	1755.9	1933.4
9°	1505.1	1344.7	1226.0	1152.2	1136.4	1164.1	1245.8	1374.9	1541.1	1735.4	1919.5
9.5°	1474.5	1311.0	1189.1	1113.8	1096.7	1126.0	1207.6	1341.1	1512.1	1712.9	1904.5
10°	1444.4	1277.5	1151.8	1075.2	1057.6	1087.9	1170.7	1306.1	1481.9	1688.7	1887.7
10.5°	1414.7	1241.6	1114.9	1037.3	1020.1	1048.1	1133.1	1270.6	1449.7	1663.4	1868.9
11°	1383.3	1207.2	1077.8	999.1	981.4	1009.1	1096.3	1235.2	1418.0	1637.6	1848.6
11.5°	1352.1	1172.6	1042.6	963.0	944.3	972.5	1059.5	1199.2	1385.6	1609.6	1826.8
12°	1319.7	1138.6	1007.4	926.0	907.4	936.4	1023.1	1163.6	1352.1	1580.6	1804.3
12.5°	1285.5	1103.1	970.7	890.9	871.6	900.2	986.1	1127.3	1318.2	1549.4	1779.1
13°	1252.7	1068.1	935.5	856.4	835.7	865.7	951.6	1092.7	1283.9	1519.1	1752.7
13.5°	1219.1	1033.4	900.7	822.1	802.3	831.6	916.3	1057.3	1249.2	1487.5	1725.1
14°	1185.6	998.7	866.3	788.3	768.0	796.2	881.9	1022.1	1213.8	1455.2	1695.3
14.5°	1150.3	964.1	832.8	756.5	735.5	763.1	848.9	987.3	1179.4	1422.5	1665.3
15°	1115.9	929.6	799.9	726.1	704.5	731.9	814.7	952.5	1144.7	1387.9	1633.1
15.5°	1081.4	895.5	768.2	695.6	674.8	701.5	782.1	918.1	1110.3	1353.6	1601.0
16°	1046.6	862.8	736.6	664.9	644.8	670.9	750.5	884.9	1074.3	1318.1	1567.8
16.5°	1011.9	830.4	707.8	637.2	616.2	642.4	721.6	852.4	1039.1	1282.0	1533.9
17°	976.2	798.0	677.6	610.4	588.8	614.2	690.5	819.1	1004.6	1246.1	1499.6
17.5°	941.6	766.5	650.1	584.3	562.5	588.1	661.4	785.6	969.6	1210.2	1463.6
18°	906.4	736.1	621.4	558.6	537.6	562.2	632.6	754.2	934.6	1172.8	1426.7
18.5°	874.2	706.4	596.2	533.2	513.1	537.0	605.1	724.7	900.1	1135.9	1389.0
19°	841.2	677.6	570.9	509.6	489.0	512.8	579.3	694.2	865.7	1099.3	1351.4
19.5°	808.0	649.8	545.9	486.3	466.7	489.7	554.7	665.2	831.9	1063.4	1313.8
20°	776.8	623.6	522.6	464.3	445.5	468.1	529.7	637.5	798.9	1026.2	1275.3
20.5°	746.3	597.4	499.3	442.8	424.6	446.9	506.0	610.6	767.3	991.5	1237.2
21°	715.7	572.1	476.8	421.2	404.1	425.9	483.6	584.1	735.6	954.7	1199.1
21.5°	686.8	548.3	455.3	401.3	384.2	405.5	462.2	559.0	705.2	918.7	1160.6
22°	658.0	524.6	434.0	382.7	366.6	386.0	441.2	534.5	674.7	883.9	1122.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	631.8	501.6	414.2	364.3	349.0	367.3	420.5	511.8	646.9	849.6	1084.8
23°	606.0	479.7	395.1	346.1	332.0	349.4	400.7	489.3	618.7	814.6	1047.1
23.5°	580.7	457.7	376.2	328.5	315.2	332.2	381.6	468.2	592.8	781.8	1010.9
24°	556.4	436.8	357.9	311.5	299.2	315.2	362.6	447.0	566.8	748.0	973.9
24.5°	533.1	416.5	339.9	296.0	284.0	298.8	345.2	426.2	542.3	715.7	937.1
25°	510.1	397.3	322.3	280.4	269.3	283.3	327.8	406.0	518.4	684.5	901.1
25.5°	488.2	378.9	305.6	265.5	255.4	268.5	310.7	387.1	496.8	655.6	867.2
26°	466.4	361.2	290.2	251.7	242.4	254.4	294.8	368.9	475.2	626.4	832.3
26.5°	445.5	343.6	275.2	238.0	229.5	241.0	279.2	351.0	454.2	598.4	798.6
27°	425.0	326.5	260.6	225.0	216.7	228.4	264.2	333.7	433.7	572.8	765.6
27.5°	405.2	309.7	246.5	212.0	204.8	215.8	249.7	316.7	413.1	547.6	733.8
28°	386.6	294.3	232.8	199.8	193.8	204.0	235.9	300.0	394.1	524.1	703.0
28.5°	368.3	279.1	219.8	188.5	182.7	192.6	222.8	284.5	376.1	501.6	672.5
29°	350.7	264.5	207.7	178.0	172.0	181.6	210.4	269.6	359.0	480.2	643.6
29.5°	333.3	250.5	195.9	167.7	161.5	170.7	198.6	255.2	341.6	458.8	615.5
30°	316.5	236.8	184.6	158.1	151.7	160.5	186.9	241.0	324.4	437.3	588.4
30.5°	300.8	224.0	174.2	149.0	142.9	150.9	175.6	228.0	308.2	417.9	563.1
31°	285.7	211.2	164.1	139.9	134.3	142.2	165.0	215.3	292.5	398.5	538.5
31.5°	270.5	199.3	154.7	131.1	125.9	133.5	154.8	202.9	277.0	380.1	514.4
32°	256.1	188.0	145.4	122.7	117.8	125.1	145.8	190.7	262.1	362.2	491.4
32.5°	242.4	177.1	136.5	115.0	110.3	117.4	137.0	179.1	248.4	344.5	469.8
33°	229.0	166.9	127.9	107.5	103.2	110.1	128.3	168.1	235.2	327.5	447.8
33.5°	216.2	157.0	119.8	100.6	96.2	102.4	120.0	157.6	222.0	310.8	427.2
34°	204.4	147.6	112.5	94.0	89.5	95.6	112.6	148.0	209.6	295.3	407.1
34.5°	192.8	138.3	104.8	87.8	83.4	89.0	105.0	138.8	198.0	280.1	387.4
35°	182.0	129.6	98.1	82.0	77.3	82.9	97.6	130.0	186.0	264.9	368.4
35.5°	171.2	121.3	91.8	76.6	72.1	77.0	91.1	121.3	175.0	251.1	350.7
36°	162.1	113.6	85.7	71.5	67.0	71.8	84.8	113.7	164.8	238.0	333.3
36.5°	152.4	105.9	79.8	66.6	62.8	66.9	78.8	105.8	154.6	224.9	316.4
37°	143.6	98.8	74.5	61.9	58.4	62.6	73.3	98.6	145.5	212.0	299.3
37.5°	134.4	92.3	69.2	57.7	54.5	58.3	68.6	91.8	136.5	200.2	283.9
38°	126.2	86.1	64.4	53.4	50.8	54.4	64.2	85.4	128.3	188.5	268.4
38.5°	118.1	80.1	59.9	49.2	47.2	50.6	59.7	79.3	119.9	177.5	253.5
39°	110.7	74.9	55.5	45.8	44.0	47.1	55.7	74.0	112.5	167.0	239.8
39.5°	103.7	69.6	51.0	42.7	41.0	44.0	51.8	68.7	105.1	157.0	226.7
40°	97.5	64.7	47.1	39.8	38.2	41.0	48.2	64.4	98.1	147.9	213.7
40.5°	91.4	60.1	43.5	37.2	35.6	38.2	44.9	59.9	91.4	138.9	201.1
41°	85.6	55.6	40.2	34.9	33.2	35.7	41.9	55.8	85.4	130.6	189.3
41.5°	79.8	51.5	37.6	32.6	31.1	33.4	39.1	51.8	79.6	122.2	177.2
42°	74.9	47.4	35.0	30.7	29.3	31.2	36.5	48.3	74.5	114.6	166.1
42.5°	70.1	44.0	32.8	29.0	27.6	29.4	34.2	45.0	69.7	107.0	155.5
43°	65.3	40.9	30.7	27.3	26.0	27.7	31.9	41.9	65.4	100.3	145.3
43.5°	60.9	38.2	29.0	25.9	24.5	26.1	30.1	39.1	61.0	93.5	135.9
44°	56.5	35.6	27.3	24.4	23.1	24.7	28.4	36.5	56.9	87.1	127.2
44.5°	52.3	33.4	25.9	23.2	21.9	23.2	26.9	34.2	53.1	81.1	118.7



TEST NUMBER: P888020
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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	48.5	31.2	24.5	22.1	21.0	22.1	25.5	32.0	49.5	75.6	110.7
45.5°	45.4	29.5	23.2	20.9	19.8	21.5	24.0	30.1	46.1	70.5	102.8
46°	42.4	27.9	22.0	19.8	18.6	20.0	22.8	28.3	43.0	66.1	95.6
46.5°	39.7	26.3	20.8	18.8	17.6	19.0	21.6	26.8	40.2	61.7	88.9
47°	37.1	24.7	19.8	17.9	16.9	18.0	20.4	25.2	37.4	57.4	82.5
47.5°	34.4	23.5	18.9	17.2	15.9	17.2	19.4	23.8	35.0	53.5	76.5
48°	32.2	22.4	18.0	16.2	15.0	16.2	18.8	22.5	32.9	49.7	71.0
48.5°	30.4	21.3	17.2	15.6	14.5	15.7	17.6	21.5	30.6	46.2	66.2
49°	28.6	20.2	16.4	14.8	13.4	14.8	16.7	20.4	28.9	42.9	61.9
49.5°	27.0	19.1	15.6	14.2	13.3	13.7	16.0	19.2	27.5	40.0	57.5
50°	25.6	18.2	15.0	13.6	12.1	13.6	15.1	18.3	25.6	37.3	53.1
50.5°	23.9	17.4	14.4	13.0	11.7	12.4	14.6	17.4	24.2	34.7	49.2
51°	22.9	16.5	13.8	12.4	11.0	11.9	13.6	16.4	22.6	32.3	45.6
51.5°	21.4	15.8	13.2	11.9	10.7	11.5	13.3	15.8	21.7	30.2	42.3
52°	20.2	15.0	12.6	11.4	10.6	10.8	12.2	14.8	20.2	28.4	39.1
52.5°	19.1	14.3	12.0	11.2	10.2	10.9	11.9	14.0	19.1	26.7	36.3
53°	18.1	13.6	11.6	10.5	9.2	10.8	11.2	13.4	18.0	24.9	33.5
53.5°	17.2	13.0	11.2	10.1	9.1	9.5	10.7	12.4	17.1	23.4	30.7
54°	16.2	12.3	10.5	9.8	8.6	9.1	10.6	12.0	16.4	21.8	27.9
54.5°	15.4	11.7	10.1	9.3	8.1	9.2	9.5	11.1	15.2	20.2	25.2
55°	14.5	11.4	9.6	8.9	7.9	8.7	9.3	10.8	14.2	18.8	22.9
55.5°	13.9	10.7	9.1	8.6	7.9	8.2	8.8	10.3	13.7	17.3	21.0
56°	13.1	10.1	8.7	8.4	7.4	7.7	8.1	9.5	12.4	16.3	19.3
56.5°	12.4	9.6	8.3	7.8	6.6	7.2	7.9	9.2	11.9	15.2	18.1
57°	11.7	9.1	7.7	7.4	6.2	6.7	7.7	8.5	10.9	14.3	17.1
57.5°	11.2	8.6	7.4	7.1	6.1	6.4	6.9	8.1	11.0	13.6	16.2
58°	10.4	8.1	7.0	6.6	5.8	6.3	6.5	7.9	9.6	12.5	14.8
58.5°	9.8	7.7	6.6	6.4	5.5	5.8	6.5	7.2	9.3	11.8	13.9
59°	9.3	7.2	6.2	6.0	5.2	5.4	5.9	6.6	8.5	11.0	13.4
59.5°	8.7	6.8	5.9	5.7	4.9	5.3	5.3	6.5	8.2	10.8	12.0
60°	8.1	6.3	5.6	5.4	4.7	5.3	5.2	6.0	8.2	9.6	11.1
60.5°	7.7	6.1	5.2	5.0	3.8	5.4	5.1	5.4	6.8	9.3	10.6
61°	7.2	5.8	4.9	4.6	3.6	4.3	4.8	5.2	6.3	8.2	9.6
61.5°	6.6	5.2	4.6	4.4	3.6	3.8	4.4	5.2	6.1	8.2	9.0
62°	6.3	4.9	4.3	4.1	3.7	3.7	4.0	4.8	5.9	7.4	8.2
62.5°	5.9	4.6	4.0	3.8	3.4	3.7	3.6	4.0	5.7	6.5	8.1
63°	5.6	4.3	3.8	3.7	3.2	3.5	3.3	3.9	5.5	6.3	7.0
63.5°	5.2	4.0	3.4	3.5	3.0	3.3	2.9	3.9	5.3	5.8	6.5
64°	4.8	3.7	3.3	3.2	2.7	3.1	2.6	3.7	4.8	5.4	6.4
64.5°	4.5	3.4	3.2	3.0	2.5	2.9	2.5	2.9	4.3	5.3	5.6
65°	4.2	3.2	3.0	2.9	2.6	2.7	2.4	2.6	3.8	5.3	5.3
65.5°	3.9	3.0	3.0	2.8	2.5	2.8	2.3	2.4	3.3	4.5	5.3
66°	3.5	2.8	2.6	2.5	2.2	2.8	2.2	2.3	2.8	3.9	5.2
66.5°	3.3	2.6	2.5	2.2	1.3	2.5	2.1	2.2	2.6	3.6	4.0
67°	3.0	2.5	2.2	2.0	1.0	1.5	1.5	2.1	2.6	3.7	3.7



TEST NUMBER: P888020
 CATALOG NUMBER: RLS4099FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	2.9	2.3	2.0	1.8	0.9	1.1	1.2	1.9	2.7	3.0	3.6
68°	2.7	2.2	1.8	1.7	0.8	1.0	1.1	1.3	2.7	2.7	3.5
68.5°	2.3	1.9	1.6	1.6	0.7	1.0	1.0	1.1	2.4	2.7	2.8
69°	2.1	1.8	1.4	1.4	0.6	0.9	0.9	1.0	1.6	2.5	2.7
69.5°	2.0	1.8	1.4	1.2	0.5	1.0	0.8	0.9	1.1	2.2	2.5
70°	1.9	1.6	1.2	1.1	0.1	0.9	0.8	0.8	1.1	1.9	2.3
70.5°	1.9	1.4	1.1	1.1	0.0	0.3	0.7	0.7	0.9	1.6	2.1
71°	1.9	1.2	0.9	1.0	0.0	0.0	0.3	0.6	0.8	1.3	1.9
71.5°	1.8	1.1	1.0	0.9	0.0	0.0	0.0	0.5	0.7	1.1	1.7
72°	1.5	1.0	0.9	0.8	0.0	0.0	0.0	0.1	0.6	1.0	1.5
72.5°	1.2	0.8	0.8	0.7	0.0	0.0	0.0	0.0	0.5	0.9	1.4
73°	1.1	0.8	0.7	0.5	0.0	0.0	0.0	0.0	0.4	0.9	1.2
73.5°	1.0	0.7	0.5	0.4	0.0	0.0	0.0	0.0	0.1	0.8	1.0
74°	0.9	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.9
74.5°	0.8	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.4	1.0
75°	0.7	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4
75.5°	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
76°	0.5	0.3	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°	0.4	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°	0.3	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: P888020
 CATALOG NUMBER: RLS4099FS1EMBDMR-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	0.0	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: P888020
 CATALOG NUMBER: RLS4099FS1EMBDMR-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	0.1	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	0.2	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	0.3	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	0.3	0.3	0.1	0.0	0.1	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.1	0.0	0.0
130.5°	0.0	0.0	0.0	0.0	0.3	0.4	0.2	0.1	0.1	0.1	0.0
131°	0.0	0.0	0.0	0.0	0.3	0.4	0.2	0.1	0.1	0.1	0.0
131.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.3	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	0.5	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	0.2	0.1	0.2	0.0
134°	0.0	0.0	0.0	0.0	0.6	0.5	0.4	0.2	0.1	0.2	0.0
134.5°	0.0	0.0	0.0	0.0	0.6	0.4	0.4	0.2	0.1	0.1	0.0



TEST NUMBER: P888020
 CATALOG NUMBER: RLS4099FS1EMBDMR-5000K

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	0.3	0.1	0.1	0.0
135.5°	0.0	0.0	0.0	0.0	0.7	0.6	0.4	0.3	0.1	0.1	0.0
136°	0.0	0.0	0.0	0.0	0.7	0.5	0.4	0.3	0.2	0.1	0.0
136.5°	0.0	0.0	0.0	0.0	0.6	0.7	0.5	0.3	0.2	0.1	0.1
137°	0.0	0.0	0.0	0.0	0.8	0.6	0.5	0.3	0.3	0.1	0.1
137.5°	0.0	0.0	0.0	0.0	0.8	0.6	0.6	0.4	0.3	0.2	0.1
138°	0.0	0.0	0.0	0.0	0.8	0.7	0.6	0.4	0.4	0.2	0.2
138.5°	0.0	0.0	0.0	0.0	0.9	0.7	0.5	0.4	0.3	0.2	0.2
139°	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.4	0.3	0.3	0.2
139.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.7	0.5	0.4	0.3	0.3
140°	0.0	0.0	0.0	0.0	1.0	0.9	0.6	0.4	0.4	0.3	0.3
140.5°	0.0	0.0	0.0	0.0	1.0	0.9	0.8	0.5	0.4	0.3	0.3
141°	0.0	0.0	0.0	0.0	1.1	1.0	0.8	0.6	0.4	0.3	0.3
141.5°	0.0	0.0	0.0	0.0	1.1	1.0	0.9	0.6	0.4	0.3	0.3
142°	0.0	0.0	0.0	0.0	1.1	1.1	0.9	0.6	0.6	0.4	0.3
142.5°	0.0	0.0	0.0	0.0	1.0	1.2	1.0	0.7	0.5	0.4	0.3
143°	0.0	0.0	0.0	0.0	1.3	1.3	1.0	0.7	0.7	0.5	0.3
143.5°	0.0	0.0	0.0	0.0	1.3	1.3	1.1	0.8	0.6	0.5	0.4
144°	0.0	0.0	0.0	0.0	1.3	1.4	1.1	0.8	0.8	0.4	0.4
144.5°	0.0	0.0	0.0	0.0	1.4	1.5	1.1	0.9	0.7	0.6	0.4
145°	0.0	0.0	0.0	0.0	1.4	1.5	1.1	0.9	0.8	0.5	0.4
145.5°	0.0	0.0	0.0	0.0	1.4	1.6	1.1	1.0	0.8	0.6	0.5
146°	0.0	0.0	0.0	0.0	1.5	1.6	1.1	1.0	1.0	0.6	0.5
146.5°	0.0	0.0	0.0	0.1	1.6	1.7	1.2	1.1	0.9	0.7	0.5
147°	0.0	0.0	0.0	0.1	1.6	1.8	1.2	1.1	0.9	0.8	0.6
147.5°	0.0	0.0	0.0	0.2	1.7	1.9	1.3	1.1	1.0	0.8	0.6
148°	0.0	0.0	0.0	0.4	1.8	1.9	1.4	1.2	1.1	0.8	0.7
148.5°	0.0	0.0	0.0	0.6	1.7	2.0	1.4	1.3	1.1	0.9	0.7
149°	0.0	0.0	0.0	0.7	2.0	2.0	1.5	1.3	1.2	1.0	0.8
149.5°	0.0	0.0	0.1	0.7	1.9	2.2	1.5	1.5	1.3	1.0	0.8
150°	0.0	0.1	0.2	0.7	2.2	2.3	1.6	1.5	1.4	1.1	0.9
150.5°	0.1	0.3	0.3	0.7	2.3	2.2	1.7	1.6	1.5	1.1	1.0
151°	0.0	0.5	0.4	0.8	2.4	2.3	1.8	1.7	1.5	1.2	0.9
151.5°	0.0	0.6	0.6	0.8	2.3	2.3	1.9	1.8	1.6	1.3	1.0
152°	0.2	0.7	0.7	0.8	2.6	2.5	2.1	1.8	1.7	1.3	1.0
152.5°	0.3	0.9	0.7	0.9	2.7	2.8	2.2	1.8	1.7	1.5	1.0
153°	0.4	0.9	0.8	0.9	2.7	2.7	2.2	2.0	1.7	1.5	1.1
153.5°	0.6	0.8	1.0	0.9	2.8	2.8	2.3	2.0	1.8	1.6	1.1
154°	0.8	0.8	1.0	0.9	2.8	2.8	2.3	2.2	2.0	1.7	1.3
154.5°	0.8	0.9	1.0	1.0	2.9	2.9	2.4	2.3	2.0	1.7	1.3
155°	0.8	0.8	1.0	1.0	2.9	3.0	2.4	2.4	2.1	1.8	1.4
155.5°	0.9	0.9	1.0	1.0	2.9	3.0	2.6	2.4	2.3	1.9	1.5
156°	0.9	0.9	1.0	1.1	3.2	3.1	2.7	2.5	2.3	2.0	1.5
156.5°	0.9	1.1	1.0	1.3	3.3	3.1	2.8	2.6	2.6	2.1	1.6
157°	0.9	1.1	1.1	1.5	3.3	3.2	2.9	2.6	2.7	2.2	1.7



TEST NUMBER: P888020
 CATALOG NUMBER: RLS4099FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	1.0	1.2	1.1	2.3	3.4	3.2	3.0	2.7	2.9	2.3	1.8
158°	1.0	1.3	1.2	2.6	3.5	3.4	3.1	2.8	2.8	2.4	1.9
158.5°	1.0	2.1	1.7	2.7	3.6	3.4	3.1	2.9	2.9	2.5	1.9
159°	1.1	2.1	2.1	2.7	3.6	3.5	3.2	3.0	3.0	2.6	2.0
159.5°	1.1	2.2	2.6	2.7	3.7	3.6	3.3	3.1	3.2	2.8	2.2
160°	1.1	2.2	2.7	2.7	3.7	3.7	3.3	3.2	3.2	2.9	2.3
160.5°	1.3	2.2	2.7	2.7	3.8	3.8	3.3	3.3	3.4	3.0	2.4
161°	1.9	2.3	2.7	2.7	3.8	3.8	3.3	3.3	3.4	3.0	2.6
161.5°	2.5	2.3	2.7	2.7	3.8	3.9	3.3	3.4	3.5	3.1	2.8
162°	2.6	2.3	2.7	2.7	3.8	3.9	3.4	3.4	3.6	3.2	2.8
162.5°	2.6	2.4	2.7	2.7	3.8	4.0	3.4	3.5	3.7	3.3	3.0
163°	2.6	2.4	2.7	2.7	3.8	3.9	3.4	3.5	3.7	3.3	2.9
163.5°	2.6	2.4	2.7	2.7	3.9	3.8	3.4	3.6	3.8	3.3	3.1
164°	2.6	2.5	2.7	2.8	3.8	3.9	3.4	3.7	3.8	3.4	3.0
164.5°	2.6	2.5	2.7	2.8	3.9	4.0	3.4	3.8	3.8	3.6	3.2
165°	2.6	2.6	2.7	2.8	3.9	4.0	3.4	3.9	3.9	3.7	3.3
165.5°	2.6	2.6	2.7	2.8	3.9	4.1	3.5	3.9	4.0	3.8	3.3
166°	2.6	2.6	2.7	2.8	4.0	4.1	3.5	3.9	4.0	3.8	3.5
166.5°	2.6	2.7	2.6	2.8	3.9	4.1	3.5	4.0	4.0	3.8	3.6
167°	2.6	2.7	2.6	2.8	4.0	4.1	3.5	4.0	4.0	3.8	3.7
167.5°	2.6	2.7	2.6	2.8	3.9	4.1	3.5	4.1	4.0	3.8	3.7
168°	2.6	2.8	2.6	2.7	4.0	4.1	3.3	4.1	4.0	3.8	3.7
168.5°	2.6	2.8	2.7	2.8	3.9	4.1	3.3	4.0	4.0	3.8	3.7
169°	2.6	2.8	2.8	2.9	4.0	4.2	3.2	4.0	4.0	3.9	3.7
169.5°	2.6	2.9	2.8	3.0	3.9	4.0	3.2	3.9	4.0	3.9	3.7
170°	2.6	2.9	2.9	3.1	3.9	4.0	3.2	3.8	4.0	3.9	3.7
170.5°	2.6	2.9	3.0	3.2	4.1	4.1	3.1	3.8	4.0	3.9	3.7
171°	2.7	3.1	3.2	3.3	3.9	4.1	3.1	3.7	4.0	3.9	3.7
171.5°	2.7	3.3	3.5	3.4	4.0	4.0	3.0	3.7	3.9	3.9	3.8
172°	2.7	3.3	3.5	3.4	4.1	4.0	3.0	3.7	3.9	3.9	3.8
172.5°	2.7	3.3	3.5	3.4	4.0	4.0	2.9	3.6	3.8	3.9	3.7
173°	2.7	3.3	3.5	3.4	4.1	3.9	2.9	3.6	3.8	3.9	3.7
173.5°	2.7	3.3	3.5	3.4	3.9	3.9	2.9	3.5	3.9	4.0	3.7
174°	2.7	3.3	3.5	3.4	3.9	3.9	2.8	3.5	3.9	4.0	3.7
174.5°	2.7	3.3	3.5	3.4	3.3	3.8	2.8	3.2	3.8	3.9	3.7
175°	2.7	3.3	3.6	3.4	3.3	3.6	2.7	2.9	3.6	3.9	3.7
175.5°	2.7	3.3	3.6	3.4	3.3	3.2	2.7	2.8	3.5	3.6	3.7
176°	2.7	3.3	3.6	3.4	3.2	3.1	2.7	2.7	3.3	3.4	3.6
176.5°	2.7	3.3	3.6	3.4	3.2	3.0	2.7	2.6	3.2	3.3	3.5
177°	2.7	3.3	3.6	3.4	3.1	2.9	2.7	2.6	3.1	3.2	3.5
177.5°	2.7	3.3	3.6	3.4	3.1	2.9	2.7	2.5	2.9	3.0	3.4
178°	2.7	3.3	3.6	3.4	3.0	2.8	2.7	2.5	2.9	2.9	3.3
178.5°	2.7	3.3	3.6	3.4	3.0	2.7	2.7	2.5	2.9	2.7	3.3
179°	2.7	3.3	3.6	3.4	3.0	2.7	2.6	2.5	2.9	2.7	3.3
179.5°	2.7	3.3	3.6	3.4	3.0	2.7	2.6	2.5	2.9	2.7	3.3



TEST NUMBER: P888020
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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7



TEST NUMBER: P888020
 CATALOG NUMBER: RLS4099FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1818.2	1818.2	1818.2	1818.2	1818.2	1818.2
0.5°	1845.0	1851.5	1849.4	1839.5	1829.0	1815.7
1°	1873.9	1881.8	1877.1	1859.4	1837.8	1811.1
1.5°	1900.5	1910.2	1902.5	1878.2	1844.6	1804.3
2°	1926.0	1937.9	1927.8	1894.5	1848.2	1795.0
2.5°	1949.4	1961.6	1950.6	1908.4	1850.1	1786.2
3°	1971.4	1986.9	1972.2	1921.0	1849.5	1774.7
3.5°	1990.6	2008.8	1989.9	1931.4	1847.5	1759.8
4°	2008.0	2028.9	2006.7	1939.8	1843.5	1745.0
4.5°	2022.4	2046.0	2021.1	1945.6	1838.4	1727.6
5°	2036.4	2060.8	2033.9	1949.5	1830.3	1709.4
5.5°	2047.2	2073.8	2045.2	1951.1	1820.5	1687.3
6°	2055.8	2084.2	2053.1	1951.0	1808.7	1664.7
6.5°	2061.9	2092.1	2058.9	1949.4	1793.2	1640.6
7°	2065.9	2098.9	2061.8	1944.5	1778.1	1615.5
7.5°	2066.6	2102.7	2061.9	1935.7	1761.3	1589.0
8°	2066.5	2103.7	2058.9	1926.2	1743.1	1562.4
8.5°	2064.1	2101.6	2053.2	1913.2	1721.3	1534.4
9°	2058.7	2096.9	2047.1	1899.6	1700.7	1505.1
9.5°	2050.6	2089.4	2038.0	1882.9	1677.5	1474.5
10°	2040.2	2079.0	2025.8	1864.6	1654.0	1444.4
10.5°	2027.3	2066.6	2011.0	1845.1	1627.2	1414.7
11°	2012.6	2053.2	1994.6	1823.8	1599.5	1383.3
11.5°	1995.1	2037.4	1975.8	1798.6	1572.3	1352.1
12°	1975.1	2019.9	1955.3	1774.1	1544.3	1319.7
12.5°	1952.9	1998.3	1930.6	1748.1	1514.5	1285.5
13°	1929.2	1975.9	1906.3	1721.1	1485.3	1252.7
13.5°	1903.4	1951.1	1880.8	1692.2	1453.7	1219.1
14°	1876.7	1926.3	1854.0	1663.1	1420.2	1185.6
14.5°	1847.5	1898.0	1825.3	1631.7	1386.2	1150.3
15°	1817.4	1870.6	1796.9	1599.8	1351.7	1115.9
15.5°	1786.0	1841.2	1764.2	1564.7	1316.7	1081.4
16°	1755.1	1808.4	1729.5	1530.2	1282.3	1046.6
16.5°	1722.5	1774.9	1696.6	1495.3	1247.3	1011.9
17°	1688.5	1740.8	1660.9	1459.3	1210.4	976.2
17.5°	1654.0	1706.8	1625.3	1422.7	1175.8	941.6
18°	1618.6	1672.0	1588.8	1385.3	1139.6	906.4
18.5°	1581.5	1634.8	1551.9	1347.8	1102.7	874.2
19°	1544.2	1597.7	1515.2	1310.5	1065.5	841.2
19.5°	1507.3	1560.4	1476.9	1273.4	1029.7	808.0
20°	1470.4	1523.5	1439.1	1237.4	995.1	776.8
20.5°	1432.3	1484.4	1400.2	1201.2	959.9	746.3
21°	1393.0	1445.9	1360.5	1162.3	923.0	715.7
21.5°	1353.9	1406.5	1321.7	1125.2	889.4	686.8
22°	1314.6	1367.2	1282.7	1089.8	856.0	658.0



TEST NUMBER: P888020
 CATALOG NUMBER: RLS4099FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1275.4	1328.1	1244.7	1053.4	823.7	631.8
23°	1235.5	1287.0	1205.5	1017.4	791.6	606.0
23.5°	1195.9	1246.8	1167.5	981.9	759.8	580.7
24°	1157.8	1207.2	1128.0	945.8	728.6	556.4
24.5°	1119.2	1167.7	1090.0	910.9	698.7	533.1
25°	1081.2	1128.2	1051.3	876.2	670.3	510.1
25.5°	1044.5	1089.0	1013.7	844.0	643.5	488.2
26°	1007.3	1050.4	975.8	810.7	617.4	466.4
26.5°	969.5	1011.9	941.2	778.0	591.2	445.5
27°	933.1	973.5	905.6	746.9	567.0	425.0
27.5°	897.1	936.4	870.9	716.0	542.9	405.2
28°	862.2	899.8	835.1	686.8	519.9	386.6
28.5°	827.5	863.4	802.0	658.8	498.0	368.3
29°	794.0	827.9	769.3	631.6	475.8	350.7
29.5°	759.9	794.7	738.5	605.4	454.7	333.3
30°	727.6	760.8	707.7	578.9	433.7	316.5
30.5°	697.4	729.5	677.9	554.7	414.0	300.8
31°	666.8	697.8	647.8	531.3	394.9	285.7
31.5°	637.6	668.0	620.4	508.2	376.5	270.5
32°	609.4	637.7	594.4	485.6	358.5	256.1
32.5°	583.4	611.1	568.7	464.2	340.9	242.4
33°	557.8	583.9	544.2	442.9	323.4	229.0
33.5°	532.4	557.8	519.2	422.6	306.9	216.2
34°	508.0	532.5	496.1	402.3	291.4	204.4
34.5°	484.7	508.8	474.0	383.1	275.7	192.8
35°	462.9	485.8	452.4	364.8	261.4	182.0
35.5°	441.9	463.9	431.0	347.2	247.7	171.2
36°	419.8	441.8	410.2	329.9	234.3	162.1
36.5°	399.3	420.3	390.3	312.0	220.7	152.4
37°	379.2	400.4	371.7	295.8	208.3	143.6
37.5°	360.5	381.4	353.4	280.1	196.3	134.4
38°	342.4	362.9	336.0	265.0	185.5	126.2
38.5°	324.8	344.7	318.4	250.3	174.3	118.1
39°	307.8	327.8	301.6	236.9	164.4	110.7
39.5°	291.7	310.9	285.9	223.3	154.5	103.7
40°	275.5	294.7	270.6	210.4	144.8	97.5
40.5°	260.5	279.6	256.1	197.7	135.7	91.4
41°	245.8	264.9	242.6	186.3	127.0	85.6
41.5°	231.9	251.1	229.2	175.2	118.7	79.8
42°	219.1	238.1	216.3	164.5	110.7	74.9
42.5°	206.4	225.1	204.0	154.2	103.3	70.1
43°	194.5	212.7	192.7	144.8	96.2	65.3
43.5°	182.8	200.2	181.5	135.4	89.9	60.9
44°	171.8	189.0	171.1	126.7	83.7	56.5
44.5°	161.4	178.0	161.4	118.0	78.0	52.3



TEST NUMBER: P888020
 CATALOG NUMBER: RLS4099FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	151.3	168.1	152.0	110.4	72.8	48.5
45.5°	142.4	157.9	142.9	102.8	67.9	45.4
46°	133.6	148.7	134.3	95.9	63.2	42.4
46.5°	125.0	139.6	125.6	89.5	58.9	39.7
47°	117.1	130.9	117.4	83.4	54.6	37.1
47.5°	109.3	122.3	109.9	77.6	50.7	34.4
48°	102.2	114.3	102.8	72.6	47.2	32.2
48.5°	95.0	106.5	95.9	67.7	43.9	30.4
49°	88.3	99.4	89.3	62.8	41.0	28.6
49.5°	82.0	92.5	83.2	58.4	38.2	27.0
50°	76.3	86.2	77.5	54.0	35.6	25.6
50.5°	70.8	80.2	72.0	49.8	33.4	23.9
51°	65.6	74.7	66.9	46.1	31.3	22.9
51.5°	60.8	69.2	62.0	43.0	29.3	21.4
52°	56.4	63.9	57.4	40.0	27.5	20.2
52.5°	51.9	58.7	52.8	37.3	25.9	19.1
53°	47.4	53.4	48.3	34.7	24.4	18.1
53.5°	42.9	48.0	43.6	32.0	23.0	17.2
54°	38.4	43.2	39.3	29.6	21.4	16.2
54.5°	34.6	39.0	35.4	27.2	20.0	15.4
55°	31.4	35.4	32.1	25.4	18.6	14.5
55.5°	28.7	32.2	29.7	23.7	17.6	13.9
56°	26.5	29.6	27.5	22.2	16.6	13.1
56.5°	24.4	27.6	25.4	20.8	15.6	12.4
57°	22.4	25.1	23.4	19.5	14.7	11.7
57.5°	20.6	23.1	21.6	18.4	13.8	11.2
58°	19.1	21.3	19.9	17.1	12.8	10.4
58.5°	17.6	19.7	18.4	16.0	12.2	9.8
59°	16.4	18.3	17.0	15.0	11.4	9.3
59.5°	15.1	16.8	15.7	14.1	10.6	8.7
60°	14.0	15.6	14.5	13.1	10.0	8.1
60.5°	13.5	14.4	13.3	12.2	9.3	7.7
61°	11.9	13.3	12.4	11.4	8.7	7.2
61.5°	11.0	12.4	11.6	10.7	8.0	6.6
62°	10.6	11.5	10.8	10.0	7.5	6.3
62.5°	9.5	10.9	10.0	9.3	7.0	5.9
63°	9.2	10.0	9.4	8.7	6.6	5.6
63.5°	8.2	9.3	8.8	8.2	6.2	5.2
64°	8.1	8.6	8.4	7.5	5.8	4.8
64.5°	7.3	8.2	7.6	7.1	5.4	4.5
65°	6.5	7.4	7.2	6.6	5.0	4.2
65.5°	6.3	6.8	6.6	6.1	4.7	3.9
66°	5.4	6.3	6.1	5.8	4.3	3.5
66.5°	5.3	5.8	5.7	5.3	4.0	3.3
67°	5.3	5.6	5.3	4.8	3.8	3.0



TEST NUMBER: P888020
 CATALOG NUMBER: RLS4099FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	4.1	4.8	4.9	4.6	3.5	2.9
68°	3.7	4.5	4.5	4.3	3.3	2.7
68.5°	3.6	4.1	4.2	3.9	3.1	2.3
69°	3.0	3.7	3.7	3.6	2.9	2.1
69.5°	2.8	3.4	3.6	3.4	2.7	2.0
70°	2.8	3.2	3.3	3.1	2.3	1.9
70.5°	2.7	2.9	3.0	2.8	2.0	1.9
71°	2.8	2.8	2.8	2.6	1.8	1.9
71.5°	2.6	2.5	2.6	2.4	1.8	1.8
72°	1.3	2.2	2.2	2.3	1.7	1.5
72.5°	1.0	2.0	2.0	2.0	1.5	1.2
73°	0.8	1.7	1.7	1.8	1.4	1.1
73.5°	0.9	1.6	1.5	1.7	1.1	1.0
74°	0.8	1.5	1.4	1.6	1.1	0.9
74.5°	0.7	1.5	1.4	1.5	1.0	0.8
75°	0.4	1.3	1.3	1.4	1.1	0.7
75.5°	0.2	1.2	1.3	1.3	0.9	0.6
76°	0.1	1.1	1.2	1.2	0.8	0.5
76.5°	0.0	1.0	1.0	1.1	0.8	0.5
77°	0.0	0.9	1.0	1.0	0.6	0.4
77.5°	0.0	0.9	0.8	0.9	0.6	0.4
78°	0.0	0.6	0.7	0.8	0.5	0.3
78.5°	0.0	0.6	0.6	0.6	0.4	0.2
79°	0.0	0.5	0.5	0.5	0.4	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	0.3	0.2	0.4	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: P888020
 CATALOG NUMBER: RLS4099FS1EMBDNR-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: P888020
 CATALOG NUMBER: RLS4099FS1EMBDMR-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°	0.1	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: P888020
 CATALOG NUMBER: RLS4099FS1EMBDMR-5000K

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°	0.2	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°	0.3	0.0	0.0	0.0	0.0	0.0
143.5°	0.3	0.0	0.0	0.0	0.0	0.0
144°	0.3	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°	0.4	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°	0.5	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°	0.6	0.0	0.0	0.0	0.1	0.0
148.5°	0.6	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°	0.7	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°	0.8	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°	0.9	0.0	0.0	0.0	0.1	0.0
152°	0.8	0.0	0.0	0.0	0.1	0.2
152.5°	1.0	0.0	0.1	0.0	0.1	0.3
153°	1.0	0.0	0.1	0.0	0.1	0.4
153.5°	1.0	0.0	0.0	0.0	0.1	0.6
154°	1.1	0.0	0.0	0.0	0.2	0.8
154.5°	1.1	0.0	0.0	0.0	0.1	0.8
155°	1.1	0.0	0.0	0.0	0.1	0.8
155.5°	1.3	0.0	0.0	0.0	0.3	0.9
156°	1.2	0.0	0.0	0.0	0.6	0.9
156.5°	1.5	0.0	0.0	0.1	0.8	0.9
157°	1.6	0.0	0.0	0.3	0.8	0.9



TEST NUMBER: P888020
 CATALOG NUMBER: RLS4099FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
157.5°	1.5	0.1	0.1	0.4	0.8	1.0
158°	1.6	0.1	0.1	0.6	0.9	1.0
158.5°	1.7	0.2	0.2	0.7	0.9	1.0
159°	1.7	0.2	0.3	0.7	0.9	1.1
159.5°	1.9	0.3	0.6	0.7	0.9	1.1
160°	1.9	0.5	0.8	0.8	0.9	1.1
160.5°	1.8	0.8	0.9	0.8	1.0	1.3
161°	2.2	0.9	0.8	0.8	1.1	1.9
161.5°	2.3	0.9	1.0	0.8	1.2	2.5
162°	2.3	0.9	1.0	0.9	1.3	2.6
162.5°	2.4	0.9	1.0	1.0	1.4	2.6
163°	2.4	0.9	1.0	1.0	1.5	2.6
163.5°	2.6	0.9	1.0	1.1	1.8	2.6
164°	2.7	0.9	1.0	1.1	2.5	2.6
164.5°	2.8	0.9	1.0	1.1	2.6	2.6
165°	2.9	0.9	1.0	1.1	2.8	2.6
165.5°	3.0	0.9	1.1	1.4	2.8	2.6
166°	3.0	0.9	1.1	1.4	2.8	2.6
166.5°	3.1	1.0	1.1	1.5	2.8	2.6
167°	3.3	1.0	1.1	1.8	2.8	2.6
167.5°	3.3	1.1	1.3	2.0	2.8	2.6
168°	3.5	1.2	1.4	2.1	2.8	2.6
168.5°	3.6	1.2	2.1	2.3	2.8	2.6
169°	3.6	1.4	2.5	2.3	2.8	2.6
169.5°	3.7	1.7	2.6	2.3	2.8	2.6
170°	3.7	2.2	2.7	2.3	2.8	2.6
170.5°	3.8	2.7	2.7	2.4	2.8	2.6
171°	3.8	2.6	2.7	2.4	2.8	2.7
171.5°	3.9	2.6	2.7	2.4	2.8	2.7
172°	3.9	2.6	2.7	2.4	2.8	2.7
172.5°	3.9	2.6	2.7	2.4	2.8	2.7
173°	3.9	2.6	2.7	2.5	2.8	2.7
173.5°	3.9	2.6	2.6	2.5	2.8	2.7
174°	3.8	2.6	2.6	2.5	2.8	2.7
174.5°	3.8	2.6	2.6	2.5	2.8	2.7
175°	3.8	2.6	2.6	2.5	2.8	2.7
175.5°	3.7	2.6	2.6	2.5	2.8	2.7
176°	3.7	2.6	2.6	2.5	2.8	2.7
176.5°	3.7	2.6	2.6	2.5	2.8	2.7
177°	3.6	2.6	2.6	2.5	2.8	2.7
177.5°	3.6	2.6	2.6	2.5	2.8	2.7
178°	3.6	2.7	2.6	2.5	2.8	2.7
178.5°	3.6	2.7	2.6	2.4	3.0	2.7
179°	3.6	2.7	2.6	2.4	2.9	2.7
179.5°	3.6	2.7	2.6	2.4	2.9	2.7



TEST NUMBER: P888020
CATALOG NUMBER: RLS4099FS1EMBDMR-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	2.7	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)