

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: P888018

Luminaire Tested: RLS4099FS1EMBDMR-3500K

Issue Date: 10/10/2024

Test Information

Test Method: LM-79-2019
Report Number: P888018
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-3500K
Description:
Light Source: -
Ballast/Driver: -

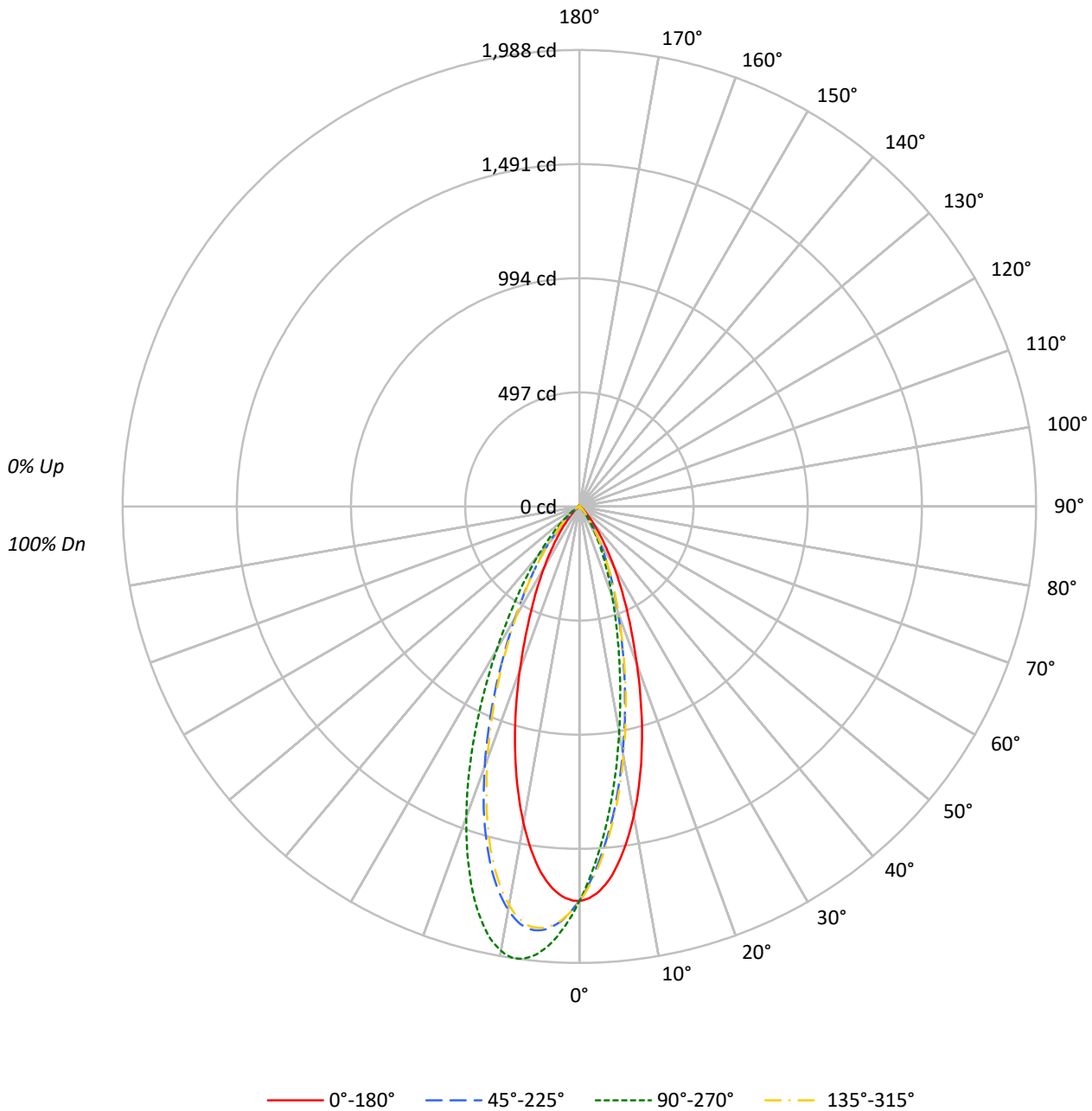
Summary

Lumens per Lamp: 909.86 (1 lamp)
Luminaire Lumens: 945.0 lumens
Efficiency: 103.9%
Efficacy: 85.1 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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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	124	124	124	124	121	121	121	121	115	115	115	110	110	110	106	106	106	104
1	118	115	113	111	116	113	111	109	109	107	106	105	104	102	101	100	99	98
2	113	108	104	101	110	106	103	100	103	100	97	100	97	95	97	95	93	92
3	108	101	96	93	105	100	95	92	97	93	90	95	91	89	92	90	87	86
4	103	95	90	86	101	94	89	85	92	88	84	90	86	83	88	85	82	81
5	98	90	84	80	96	89	84	80	87	82	79	85	81	78	84	80	77	76
6	93	85	79	75	92	84	79	75	82	78	74	81	77	74	80	76	73	72
7	89	80	75	70	88	80	74	70	78	73	70	77	73	70	76	72	69	68
8	86	76	71	67	84	76	70	66	75	70	66	74	69	66	73	69	66	64
9	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	62	61
10	79	69	64	60	78	69	63	60	68	63	60	67	63	60	66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	216235	216235	216235	216235
5°	204074	174058	206854	246016
10°	174435	127727	178959	251071
15°	137390	86747	140934	230312
20°	98315	56383	101101	192814
25°	66930	35340	68027	148039
30°	43465	20824	44555	104484
35°	26410	11215	27009	70533
40°	15131	5931	15229	45753
45°	8151	3524	8329	28281
50°	4738	2232	4738	15957
55°	3006	1646	2940	7350
60°	1938	1107	1938	3700
65°	1191	715	1072	2085
70°	662	37	368	1104
75°	340	0	0	583
80°	72	0	0	217
85°	0	0	0	144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 270°
 Vertical Angle: 45°
 Luminance: 28281 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	150.2	15.9	16.5
10°-20°	314.5	33.3	34.6
20°-30°	263.3	27.9	28.9
30°-40°	140.4	14.9	15.4
40°-50°	53.5	5.7	5.9
50°-60°	16.2	1.7	1.8
60°-70°	4.3	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°	728.0	77.0	80.0
0°-40°	868.4	91.9	95.4
0°-60°	938.0	99.3	103.1
0°-90°	943.0	99.8	103.6
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°	945.0	100.0	103.9

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1718	1718	1718	1718	1718	
5°	1615	1378	1637	1947	1615	146
15°	1054	666	1082	1768	1054	289
25°	482	254	490	1066	482	222
35°	172	73	176	459	172	110
45°	46	20	47	159	46	38
55°	14	8	13	34	14	13
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°	3	3	3	3	3	



TEST NUMBER: P888018
 CATALOG NUMBER: RLS4099FS1EMBDMR-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1718.2	1718.2	1718.2	1718.2	1718.2	1718.2	1718.2	1718.2	1718.2	1718.2	1718.2
0.5°	1715.8	1703.3	1694.6	1686.5	1688.7	1693.4	1698.9	1706.6	1718.1	1728.5	1737.6
1°	1711.4	1687.6	1670.5	1657.2	1656.6	1665.6	1677.3	1693.6	1716.1	1737.7	1756.5
1.5°	1705.1	1671.6	1643.3	1625.7	1624.1	1633.5	1652.5	1679.2	1711.8	1745.0	1774.6
2°	1696.3	1653.3	1615.9	1593.6	1591.7	1601.5	1627.3	1663.1	1707.0	1752.3	1792.1
2.5°	1688.0	1632.4	1587.2	1559.4	1558.1	1568.6	1600.6	1645.2	1699.4	1756.8	1808.0
3°	1677.1	1610.3	1558.5	1526.2	1522.3	1535.3	1572.2	1625.6	1690.2	1758.4	1820.0
3.5°	1663.0	1586.6	1527.9	1491.2	1487.3	1502.2	1543.4	1604.6	1679.5	1759.3	1829.6
4°	1649.0	1562.4	1497.6	1457.5	1451.7	1468.0	1512.5	1582.6	1667.8	1757.7	1838.9
4.5°	1632.6	1537.3	1466.2	1421.3	1415.4	1432.8	1481.0	1558.7	1653.0	1754.1	1846.6
5°	1615.4	1510.5	1433.5	1384.6	1377.8	1396.5	1450.5	1534.4	1637.4	1749.0	1851.8
5.5°	1594.5	1482.3	1400.0	1348.7	1339.8	1360.7	1417.6	1508.2	1619.9	1741.8	1854.7
6°	1573.1	1455.0	1368.2	1312.7	1301.8	1324.0	1385.2	1481.2	1601.5	1732.8	1855.9
6.5°	1550.4	1426.5	1334.5	1276.4	1265.0	1287.3	1351.2	1452.0	1580.3	1721.3	1854.2
7°	1526.7	1397.6	1300.6	1238.1	1227.7	1250.2	1317.2	1423.2	1558.9	1707.5	1850.2
7.5°	1501.6	1366.0	1264.2	1201.5	1188.7	1212.3	1283.3	1391.8	1534.3	1691.3	1844.7
8°	1476.5	1334.1	1229.4	1163.7	1150.4	1174.6	1247.4	1361.4	1509.5	1676.2	1837.7
8.5°	1450.0	1302.3	1193.4	1126.1	1112.9	1138.4	1212.2	1330.4	1483.1	1659.3	1827.0
9°	1422.3	1270.8	1158.6	1088.8	1073.9	1100.1	1177.3	1299.3	1456.4	1640.0	1814.0
9.5°	1393.4	1238.9	1123.7	1052.5	1036.4	1064.1	1141.1	1267.3	1428.9	1618.7	1799.7
10°	1365.0	1207.2	1088.5	1016.1	999.5	1028.0	1106.3	1234.3	1400.4	1595.8	1783.8
10.5°	1336.9	1173.3	1053.6	980.2	964.0	990.5	1070.8	1200.8	1369.9	1572.0	1766.1
11°	1307.2	1140.8	1018.5	944.1	927.4	953.6	1036.0	1167.3	1340.0	1547.5	1747.0
11.5°	1277.7	1108.1	985.3	910.1	892.4	919.0	1001.2	1133.2	1309.4	1521.1	1726.3
12°	1247.1	1076.0	952.0	875.0	857.4	884.9	966.8	1099.6	1277.7	1493.6	1705.1
12.5°	1214.8	1042.5	917.3	841.9	823.7	850.7	931.9	1065.3	1245.7	1464.1	1681.2
13°	1183.8	1009.4	884.0	809.3	789.7	818.1	899.3	1032.6	1213.3	1435.6	1656.3
13.5°	1152.0	976.5	851.2	776.9	758.2	785.8	865.9	999.1	1180.5	1405.7	1630.2
14°	1120.4	943.8	818.6	745.0	725.8	752.4	833.4	965.9	1147.1	1375.1	1602.1
14.5°	1087.0	911.0	787.0	714.9	695.0	721.1	802.2	933.0	1114.5	1344.3	1573.7
15°	1054.5	878.4	755.9	686.1	665.8	691.6	769.9	900.1	1081.7	1311.6	1543.3
15.5°	1021.9	846.2	725.9	657.3	637.6	662.9	739.1	867.6	1049.2	1279.2	1513.0
16°	989.0	815.4	696.1	628.4	609.4	634.0	709.2	836.2	1015.3	1245.6	1481.6
16.5°	956.2	784.7	668.8	602.2	582.3	607.1	681.9	805.5	981.9	1211.5	1449.5
17°	922.5	754.1	640.3	576.8	556.4	580.4	652.6	774.0	949.3	1177.6	1417.1
17.5°	889.8	724.4	614.3	552.1	531.5	555.7	625.0	742.4	916.3	1143.6	1383.1
18°	856.5	695.7	587.3	527.9	508.0	531.3	597.8	712.7	883.2	1108.3	1348.2
18.5°	826.2	667.5	563.4	503.9	484.9	507.4	571.9	684.9	850.6	1073.4	1312.6
19°	795.0	640.3	539.5	481.5	462.1	484.6	547.4	656.0	818.1	1038.8	1277.1
19.5°	763.5	614.1	515.9	459.6	441.0	462.8	524.2	628.7	786.2	1004.9	1241.6
20°	734.1	589.3	493.8	438.7	421.0	442.3	500.6	602.4	754.9	969.8	1205.1
20.5°	705.3	564.6	471.9	418.4	401.3	422.3	478.2	577.0	725.1	936.9	1169.2
21°	676.3	540.6	450.6	398.1	381.8	402.5	457.0	551.9	695.1	902.2	1133.1
21.5°	649.1	518.1	430.2	379.3	363.1	383.2	436.7	528.3	666.4	868.2	1096.8
22°	621.8	495.7	410.1	361.6	346.5	364.8	417.0	505.1	637.6	835.3	1060.7



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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°	597.1	474.0	391.4	344.2	329.8	347.1	397.4	483.6	611.3	802.9	1025.2
23°	572.7	453.3	373.4	327.0	313.7	330.2	378.7	462.3	584.7	769.8	989.5
23.5°	548.7	432.5	355.5	310.4	297.9	314.0	360.6	442.4	560.2	738.8	955.3
24°	525.8	412.7	338.2	294.4	282.7	297.9	342.7	422.4	535.7	706.9	920.3
24.5°	503.8	393.6	321.2	279.7	268.4	282.4	326.2	402.7	512.5	676.4	885.6
25°	482.0	375.5	304.5	265.0	254.5	267.7	309.8	383.7	489.9	646.8	851.5
25.5°	461.4	358.1	288.8	250.9	241.4	253.7	293.6	365.8	469.5	619.5	819.5
26°	440.7	341.3	274.3	237.8	229.0	240.4	278.6	348.6	449.1	592.0	786.5
26.5°	421.0	324.7	260.0	224.9	216.9	227.7	263.8	331.7	429.2	565.5	754.7
27°	401.6	308.6	246.3	212.6	204.8	215.8	249.6	315.4	409.8	541.3	723.5
27.5°	382.9	292.7	232.9	200.3	193.6	203.9	236.0	299.3	390.3	517.4	693.5
28°	365.3	278.1	220.0	188.8	183.1	192.8	222.9	283.5	372.4	495.3	664.3
28.5°	348.0	263.8	207.7	178.1	172.6	182.0	210.5	268.9	355.4	474.0	635.5
29°	331.4	249.9	196.2	168.2	162.5	171.6	198.8	254.8	339.3	453.8	608.2
29.5°	315.0	236.7	185.1	158.5	152.6	161.3	187.7	241.1	322.9	433.5	581.7
30°	299.1	223.8	174.4	149.4	143.3	151.7	176.7	227.7	306.6	413.3	556.0
30.5°	284.3	211.7	164.6	140.8	135.0	142.6	165.9	215.5	291.3	394.9	532.1
31°	270.0	199.6	155.1	132.2	126.9	134.3	155.9	203.4	276.4	376.6	508.9
31.5°	255.6	188.3	146.2	123.9	119.0	126.2	146.3	191.7	261.8	359.2	486.1
32°	242.1	177.6	137.4	116.0	111.3	118.2	137.8	180.2	247.7	342.3	464.3
32.5°	229.1	167.4	129.0	108.7	104.2	110.9	129.5	169.2	234.7	325.5	444.0
33°	216.4	157.7	120.8	101.6	97.5	104.0	121.2	158.8	222.2	309.5	423.2
33.5°	204.3	148.4	113.3	95.0	90.9	96.8	113.4	148.9	209.8	293.7	403.7
34°	193.2	139.5	106.3	88.9	84.6	90.4	106.4	139.8	198.1	279.0	384.7
34.5°	182.2	130.7	99.1	83.0	78.8	84.1	99.2	131.2	187.1	264.7	366.1
35°	171.9	122.5	92.7	77.5	73.0	78.3	92.3	122.8	175.8	250.3	348.1
35.5°	161.8	114.6	86.7	72.3	68.1	72.8	86.1	114.6	165.4	237.3	331.4
36°	153.2	107.3	81.0	67.6	63.4	67.9	80.1	107.4	155.8	224.9	315.0
36.5°	144.0	100.1	75.4	62.9	59.3	63.2	74.5	100.0	146.1	212.6	299.0
37°	135.7	93.4	70.4	58.5	55.2	59.1	69.3	93.2	137.5	200.4	282.9
37.5°	127.0	87.2	65.4	54.5	51.5	55.1	64.8	86.7	129.0	189.2	268.3
38°	119.2	81.4	60.9	50.4	48.0	51.4	60.7	80.7	121.2	178.1	253.6
38.5°	111.6	75.7	56.6	46.5	44.6	47.9	56.4	75.0	113.3	167.8	239.5
39°	104.6	70.8	52.4	43.3	41.6	44.5	52.6	69.9	106.3	157.8	226.6
39.5°	98.0	65.8	48.2	40.4	38.8	41.6	48.9	64.9	99.3	148.4	214.3
40°	92.1	61.2	44.5	37.6	36.1	38.8	45.5	60.8	92.7	139.7	201.9
40.5°	86.3	56.8	41.1	35.1	33.7	36.1	42.4	56.6	86.4	131.3	190.1
41°	80.9	52.5	38.0	33.0	31.4	33.8	39.6	52.7	80.7	123.4	178.9
41.5°	75.4	48.6	35.6	30.8	29.4	31.5	36.9	49.0	75.2	115.5	167.5
42°	70.8	44.8	33.1	29.0	27.7	29.5	34.5	45.6	70.4	108.3	157.0
42.5°	66.3	41.6	30.9	27.4	26.0	27.7	32.3	42.5	65.9	101.1	147.0
43°	61.7	38.6	29.0	25.8	24.6	26.2	30.2	39.6	61.8	94.8	137.3
43.5°	57.5	36.1	27.4	24.5	23.2	24.7	28.5	37.0	57.7	88.3	128.5
44°	53.4	33.6	25.8	23.1	21.9	23.4	26.9	34.5	53.7	82.3	120.2
44.5°	49.4	31.6	24.5	21.9	20.7	22.0	25.4	32.3	50.2	76.6	112.2



TEST NUMBER: P888018
 CATALOG NUMBER: RLS4099FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	45.8	29.5	23.1	20.9	19.8	20.9	24.1	30.2	46.8	71.4	104.6
45.5°	42.9	27.8	21.9	19.7	18.8	20.3	22.7	28.5	43.5	66.7	97.2
46°	40.1	26.3	20.8	18.7	17.6	18.9	21.5	26.8	40.6	62.5	90.3
46.5°	37.5	24.8	19.7	17.8	16.6	17.9	20.5	25.3	38.0	58.3	84.0
47°	35.0	23.4	18.7	17.0	16.0	17.0	19.3	23.8	35.4	54.2	78.0
47.5°	32.5	22.2	17.8	16.2	15.1	16.3	18.3	22.4	33.1	50.5	72.3
48°	30.5	21.2	17.0	15.4	14.2	15.3	17.7	21.3	31.1	47.0	67.1
48.5°	28.7	20.1	16.2	14.8	13.7	14.8	16.6	20.3	28.9	43.6	62.6
49°	27.0	19.1	15.5	14.0	12.6	14.0	15.8	19.2	27.3	40.6	58.5
49.5°	25.5	18.1	14.8	13.4	12.6	12.9	15.1	18.2	26.0	37.8	54.3
50°	24.2	17.2	14.2	12.8	11.4	12.9	14.3	17.3	24.2	35.2	50.2
50.5°	22.6	16.4	13.6	12.3	11.1	11.7	13.8	16.4	22.8	32.8	46.5
51°	21.6	15.6	13.0	11.7	10.4	11.2	12.9	15.5	21.3	30.5	43.1
51.5°	20.3	14.9	12.5	11.3	10.1	10.9	12.6	14.9	20.5	28.6	40.0
52°	19.1	14.2	11.9	10.8	10.0	10.2	11.6	14.0	19.1	26.9	37.0
52.5°	18.1	13.5	11.4	10.6	9.6	10.3	11.2	13.2	18.1	25.2	34.3
53°	17.1	12.8	10.9	10.0	8.7	10.2	10.6	12.7	17.0	23.5	31.6
53.5°	16.3	12.2	10.5	9.6	8.6	9.0	10.2	11.7	16.1	22.1	29.0
54°	15.3	11.7	10.0	9.2	8.2	8.6	10.0	11.4	15.5	20.6	26.4
54.5°	14.6	11.1	9.5	8.8	7.6	8.7	9.0	10.5	14.3	19.0	23.8
55°	13.7	10.7	9.0	8.4	7.5	8.2	8.8	10.2	13.4	17.7	21.6
55.5°	13.1	10.1	8.6	8.2	7.4	7.7	8.3	9.8	12.9	16.4	19.9
56°	12.4	9.5	8.2	7.9	7.0	7.2	7.7	9.0	11.7	15.4	18.3
56.5°	11.8	9.1	7.8	7.4	6.2	6.8	7.4	8.7	11.3	14.3	17.1
57°	11.1	8.6	7.3	7.0	5.8	6.3	7.3	8.0	10.3	13.5	16.1
57.5°	10.6	8.2	7.0	6.7	5.7	6.1	6.5	7.6	10.4	12.9	15.3
58°	9.8	7.7	6.6	6.3	5.5	6.0	6.1	7.5	9.1	11.8	14.0
58.5°	9.2	7.3	6.2	6.0	5.2	5.5	6.1	6.8	8.8	11.1	13.1
59°	8.8	6.8	5.9	5.7	4.9	5.1	5.6	6.2	8.1	10.4	12.7
59.5°	8.2	6.4	5.6	5.4	4.7	5.0	5.0	6.1	7.8	10.2	11.4
60°	7.7	6.0	5.3	5.1	4.4	5.0	5.0	5.6	7.7	9.1	10.4
60.5°	7.2	5.7	4.9	4.7	3.6	5.1	4.8	5.1	6.4	8.8	10.0
61°	6.8	5.5	4.6	4.4	3.4	4.1	4.5	4.9	6.0	7.7	9.0
61.5°	6.3	4.9	4.3	4.1	3.4	3.6	4.2	4.9	5.8	7.7	8.5
62°	5.9	4.7	4.1	3.9	3.5	3.5	3.8	4.6	5.6	7.0	7.7
62.5°	5.6	4.3	3.7	3.6	3.2	3.5	3.4	3.8	5.4	6.2	7.7
63°	5.3	4.1	3.6	3.5	3.0	3.3	3.1	3.7	5.2	6.0	6.6
63.5°	4.9	3.7	3.2	3.3	2.8	3.1	2.7	3.6	5.0	5.5	6.1
64°	4.6	3.5	3.2	3.0	2.6	2.9	2.5	3.5	4.5	5.1	6.0
64.5°	4.3	3.3	3.0	2.8	2.4	2.7	2.4	2.7	4.1	5.0	5.3
65°	4.0	3.0	2.8	2.7	2.4	2.5	2.3	2.4	3.6	5.0	5.0
65.5°	3.7	2.8	2.8	2.6	2.3	2.6	2.2	2.3	3.1	4.3	5.0
66°	3.3	2.7	2.5	2.4	2.1	2.6	2.1	2.2	2.7	3.7	4.9
66.5°	3.1	2.5	2.3	2.1	1.2	2.4	2.0	2.1	2.5	3.4	3.8
67°	2.8	2.3	2.1	1.9	1.0	1.4	1.4	1.9	2.5	3.5	3.5



TEST NUMBER: P888018
 CATALOG NUMBER: RLS4099FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	2.8	2.2	1.9	1.7	0.9	1.1	1.2	1.8	2.6	2.8	3.4
68°	2.6	2.1	1.7	1.6	0.8	0.9	1.0	1.2	2.6	2.6	3.3
68.5°	2.2	1.8	1.5	1.5	0.7	0.9	0.9	1.0	2.3	2.6	2.6
69°	2.0	1.7	1.3	1.3	0.6	0.8	0.9	0.9	1.5	2.3	2.6
69.5°	1.9	1.7	1.3	1.2	0.5	0.9	0.8	0.8	1.1	2.1	2.4
70°	1.8	1.5	1.1	1.1	0.1	0.8	0.7	0.7	1.0	1.8	2.2
70.5°	1.8	1.3	1.0	1.0	0.0	0.3	0.6	0.7	0.8	1.5	2.0
71°	1.7	1.2	0.8	0.9	0.0	0.0	0.2	0.6	0.7	1.3	1.8
71.5°	1.7	1.0	0.9	0.8	0.0	0.0	0.0	0.5	0.7	1.0	1.6
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°	1.2	0.8	0.7	0.7	0.0	0.0	0.0	0.0	0.5	0.8	1.3
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	0.7	0.5	0.4	0.0	0.0	0.0	0.0	0.1	0.8	1.0
74°	0.8	0.6	0.4	0.3	0.0	0.0	0.0	0.0	0.0	0.7	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°	0.7	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4
75.5°	0.6	0.3	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°	0.3	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°	0.3	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: P888018
 CATALOG NUMBER: RLS4099FS1EMBDMR-3500K

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: P888018
 CATALOG NUMBER: RLS4099FS1EMBDMR-3500K

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	0.3	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	0.2	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	0.6	0.4	0.4	0.2	0.1	0.1	0.0



TEST NUMBER: P888018
 CATALOG NUMBER: RLS4099FS1EMBDMR-3500K

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	0.3	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	0.7	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	0.8	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	0.3	0.2	0.2
139°	0.0	0.0	0.0	0.0	0.9	0.8	0.7	0.4	0.3	0.2	0.2
139.5°	0.0	0.0	0.0	0.0	0.9	0.8	0.7	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	0.3	0.2
140.5°	0.0	0.0	0.0	0.0	1.0	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	0.3	0.2
141.5°	0.0	0.0	0.0	0.0	1.1	1.0	0.8	0.6	0.4	0.3	0.2
142°	0.0	0.0	0.0	0.0	1.1	1.1	0.9	0.6	0.6	0.3	0.3
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	0.7	0.4	0.3
143.5°	0.0	0.0	0.0	0.0	1.2	1.3	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	0.8	0.7	0.4	0.4
144.5°	0.0	0.0	0.0	0.0	1.3	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	1.1	0.9	0.7	0.5	0.4
145.5°	0.0	0.0	0.0	0.0	1.3	1.5	1.1	0.9	0.8	0.6	0.4
146°	0.0	0.0	0.0	0.0	1.4	1.6	1.1	1.0	0.9	0.6	0.5
146.5°	0.0	0.0	0.0	0.1	1.5	1.6	1.1	1.0	0.8	0.7	0.5
147°	0.0	0.0	0.0	0.1	1.6	1.7	1.2	1.1	0.8	0.7	0.6
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	1.3	1.2	1.0	0.8	0.6
148.5°	0.0	0.0	0.0	0.6	1.6	1.9	1.3	1.2	1.1	0.8	0.7
149°	0.0	0.0	0.0	0.7	1.9	1.9	1.4	1.2	1.2	0.9	0.7
149.5°	0.0	0.0	0.1	0.7	1.8	2.0	1.4	1.4	1.2	1.0	0.8
150°	0.0	0.1	0.2	0.7	2.1	2.1	1.5	1.4	1.3	1.0	0.8
150.5°	0.1	0.2	0.3	0.7	2.2	2.0	1.6	1.5	1.4	1.1	0.9
151°	0.0	0.5	0.3	0.7	2.3	2.1	1.7	1.6	1.4	1.1	0.8
151.5°	0.0	0.6	0.6	0.8	2.2	2.2	1.8	1.7	1.5	1.2	1.0
152°	0.2	0.7	0.7	0.8	2.4	2.4	2.0	1.7	1.6	1.3	0.9
152.5°	0.3	0.8	0.7	0.8	2.5	2.6	2.0	1.7	1.6	1.4	0.9
153°	0.4	0.8	0.7	0.8	2.6	2.5	2.1	1.9	1.6	1.4	1.1
153.5°	0.6	0.8	0.9	0.9	2.6	2.6	2.1	1.9	1.7	1.5	1.0
154°	0.7	0.7	0.9	0.9	2.7	2.7	2.2	2.1	1.9	1.6	1.2
154.5°	0.7	0.8	0.9	0.9	2.7	2.7	2.3	2.2	1.9	1.6	1.2
155°	0.8	0.7	0.9	1.0	2.8	2.8	2.3	2.2	2.0	1.7	1.3
155.5°	0.8	0.8	0.9	1.0	2.8	2.8	2.4	2.2	2.2	1.8	1.4
156°	0.8	0.8	0.9	1.1	3.0	2.9	2.5	2.3	2.2	1.9	1.4
156.5°	0.9	1.0	0.9	1.2	3.1	2.9	2.6	2.4	2.4	2.0	1.5
157°	0.9	1.1	1.1	1.4	3.2	3.0	2.8	2.5	2.6	2.1	1.6



TEST NUMBER: P888018
 CATALOG NUMBER: RLS4099FS1EMBDNR-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
157.5°	0.9	1.2	1.1	2.1	3.2	3.0	2.9	2.6	2.7	2.2	1.7
158°	0.9	1.2	1.2	2.5	3.3	3.2	3.0	2.7	2.7	2.2	1.7
158.5°	1.0	2.0	1.6	2.6	3.4	3.2	3.0	2.7	2.8	2.3	1.8
159°	1.0	2.0	2.0	2.6	3.4	3.3	3.0	2.8	2.8	2.5	1.9
159.5°	1.0	2.0	2.5	2.6	3.5	3.4	3.1	2.9	3.0	2.7	2.1
160°	1.1	2.1	2.6	2.6	3.5	3.5	3.1	3.0	3.0	2.7	2.2
160.5°	1.2	2.1	2.6	2.6	3.6	3.6	3.1	3.1	3.2	2.8	2.2
161°	1.8	2.1	2.6	2.6	3.6	3.6	3.1	3.1	3.3	2.9	2.5
161.5°	2.4	2.2	2.6	2.6	3.6	3.7	3.2	3.2	3.3	2.9	2.7
162°	2.4	2.2	2.6	2.6	3.6	3.7	3.2	3.2	3.4	3.0	2.7
162.5°	2.4	2.2	2.5	2.6	3.6	3.8	3.2	3.3	3.5	3.1	2.8
163°	2.4	2.3	2.5	2.6	3.6	3.7	3.2	3.3	3.5	3.2	2.7
163.5°	2.4	2.3	2.5	2.6	3.6	3.6	3.2	3.4	3.6	3.2	2.9
164°	2.4	2.3	2.5	2.6	3.6	3.7	3.2	3.5	3.6	3.2	2.8
164.5°	2.4	2.4	2.5	2.6	3.7	3.7	3.2	3.6	3.6	3.4	3.0
165°	2.4	2.4	2.5	2.6	3.6	3.8	3.3	3.7	3.7	3.5	3.1
165.5°	2.4	2.4	2.5	2.6	3.7	3.9	3.3	3.7	3.7	3.6	3.2
166°	2.5	2.5	2.5	2.6	3.8	3.9	3.3	3.7	3.7	3.6	3.3
166.5°	2.5	2.5	2.5	2.6	3.7	3.9	3.3	3.7	3.7	3.6	3.4
167°	2.5	2.5	2.5	2.6	3.8	3.9	3.3	3.7	3.7	3.6	3.5
167.5°	2.5	2.6	2.5	2.6	3.7	3.9	3.3	3.9	3.8	3.6	3.5
168°	2.5	2.6	2.5	2.6	3.8	3.9	3.1	3.8	3.8	3.6	3.5
168.5°	2.5	2.6	2.6	2.6	3.7	3.9	3.1	3.8	3.8	3.6	3.5
169°	2.5	2.7	2.6	2.7	3.8	3.9	3.1	3.7	3.8	3.6	3.5
169.5°	2.5	2.7	2.7	2.8	3.7	3.8	3.0	3.7	3.8	3.7	3.5
170°	2.5	2.7	2.7	2.9	3.7	3.8	3.0	3.6	3.8	3.7	3.5
170.5°	2.5	2.7	2.8	3.0	3.9	3.8	3.0	3.6	3.8	3.7	3.5
171°	2.5	2.9	3.0	3.1	3.7	3.8	2.9	3.5	3.8	3.7	3.5
171.5°	2.5	3.1	3.3	3.2	3.8	3.8	2.9	3.5	3.7	3.7	3.5
172°	2.5	3.1	3.3	3.2	3.9	3.8	2.8	3.5	3.7	3.7	3.6
172.5°	2.5	3.1	3.3	3.2	3.8	3.7	2.8	3.4	3.6	3.7	3.5
173°	2.5	3.1	3.3	3.2	3.9	3.7	2.7	3.4	3.6	3.7	3.5
173.5°	2.5	3.1	3.3	3.2	3.7	3.7	2.7	3.4	3.7	3.7	3.5
174°	2.5	3.1	3.3	3.2	3.7	3.7	2.7	3.3	3.7	3.7	3.5
174.5°	2.5	3.1	3.3	3.2	3.2	3.6	2.6	3.0	3.6	3.7	3.5
175°	2.5	3.1	3.4	3.2	3.1	3.4	2.6	2.7	3.4	3.7	3.5
175.5°	2.6	3.1	3.4	3.2	3.1	3.0	2.6	2.7	3.3	3.4	3.5
176°	2.6	3.1	3.4	3.2	3.0	2.9	2.6	2.6	3.1	3.2	3.4
176.5°	2.6	3.1	3.4	3.2	3.0	2.9	2.6	2.5	3.0	3.1	3.3
177°	2.6	3.1	3.4	3.2	3.0	2.8	2.6	2.4	2.9	3.0	3.3
177.5°	2.6	3.2	3.4	3.2	2.9	2.7	2.6	2.3	2.7	2.8	3.2
178°	2.6	3.2	3.4	3.2	2.9	2.6	2.6	2.3	2.7	2.7	3.2
178.5°	2.6	3.2	3.4	3.2	2.8	2.5	2.6	2.3	2.7	2.6	3.2
179°	2.6	3.2	3.4	3.2	2.8	2.5	2.5	2.3	2.7	2.6	3.2
179.5°	2.6	3.2	3.4	3.2	2.8	2.5	2.5	2.3	2.7	2.6	3.2



TEST NUMBER: P888018
CATALOG NUMBER: RLS4099FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6



TEST NUMBER: P888018
 CATALOG NUMBER: RLS4099FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1718.2	1718.2	1718.2	1718.2	1718.2	1718.2
0.5°	1743.5	1749.7	1747.7	1738.3	1728.4	1715.8
1°	1770.9	1778.3	1773.9	1757.1	1736.7	1711.4
1.5°	1796.0	1805.1	1797.9	1774.9	1743.1	1705.1
2°	1820.1	1831.3	1821.7	1790.3	1746.5	1696.3
2.5°	1842.2	1853.7	1843.3	1803.5	1748.3	1688.0
3°	1863.0	1877.6	1863.7	1815.3	1747.8	1677.1
3.5°	1881.2	1898.3	1880.4	1825.2	1745.9	1663.0
4°	1897.6	1917.3	1896.3	1833.1	1742.1	1649.0
4.5°	1911.2	1933.5	1909.9	1838.6	1737.3	1632.6
5°	1924.4	1947.4	1922.1	1842.3	1729.6	1615.4
5.5°	1934.6	1959.8	1932.7	1843.8	1720.4	1594.5
6°	1942.7	1969.5	1940.1	1843.7	1709.3	1573.1
6.5°	1948.5	1977.0	1945.7	1842.2	1694.6	1550.4
7°	1952.3	1983.5	1948.4	1837.5	1680.3	1526.7
7.5°	1952.9	1987.1	1948.5	1829.2	1664.4	1501.6
8°	1952.8	1988.0	1945.7	1820.3	1647.3	1476.5
8.5°	1950.5	1986.1	1940.3	1807.9	1626.6	1450.0
9°	1945.4	1981.6	1934.5	1795.2	1607.2	1422.3
9.5°	1937.9	1974.5	1925.9	1779.4	1585.3	1393.4
10°	1928.0	1964.7	1914.4	1762.0	1563.0	1365.0
10.5°	1915.8	1952.9	1900.4	1743.6	1537.7	1336.9
11°	1901.9	1940.3	1884.9	1723.5	1511.5	1307.2
11.5°	1885.4	1925.3	1867.1	1699.7	1485.9	1277.7
12°	1866.5	1908.8	1847.7	1676.5	1459.4	1247.1
12.5°	1845.5	1888.4	1824.4	1651.9	1431.2	1214.8
13°	1823.1	1867.2	1801.5	1626.5	1403.6	1183.8
13.5°	1798.7	1843.8	1777.4	1599.2	1373.8	1152.0
14°	1773.5	1820.4	1752.1	1571.6	1342.1	1120.4
14.5°	1745.9	1793.6	1724.9	1541.9	1309.9	1087.0
15°	1717.5	1767.7	1698.0	1511.8	1277.4	1054.5
15.5°	1687.8	1739.9	1667.2	1478.7	1244.3	1021.9
16°	1658.6	1709.0	1634.4	1446.1	1211.8	989.0
16.5°	1627.7	1677.3	1603.3	1413.0	1178.7	956.2
17°	1595.6	1645.1	1569.6	1379.1	1143.8	922.5
17.5°	1563.0	1612.9	1535.9	1344.5	1111.1	889.8
18°	1529.6	1580.1	1501.4	1309.1	1076.9	856.5
18.5°	1494.5	1544.8	1466.5	1273.7	1042.1	826.2
19°	1459.3	1509.8	1431.8	1238.5	1006.9	795.0
19.5°	1424.4	1474.5	1395.7	1203.3	973.1	763.5
20°	1389.6	1439.7	1360.0	1169.4	940.4	734.1
20.5°	1353.5	1402.8	1323.2	1135.1	907.1	705.3
21°	1316.4	1366.4	1285.7	1098.3	872.3	676.3
21.5°	1279.5	1329.1	1249.0	1063.3	840.5	649.1
22°	1242.3	1292.0	1212.2	1029.8	808.9	621.8

TEST NUMBER: P888018
 CATALOG NUMBER: RLS4099FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1205.2	1255.1	1176.2	995.4	778.4	597.1
23°	1167.5	1216.2	1139.2	961.4	748.1	572.7
23.5°	1130.1	1178.2	1103.3	927.9	718.0	548.7
24°	1094.1	1140.8	1065.9	893.7	688.5	525.8
24.5°	1057.6	1103.4	1030.0	860.8	660.3	503.8
25°	1021.7	1066.1	993.5	828.0	633.5	482.0
25.5°	987.1	1029.1	958.0	797.6	608.1	461.4
26°	951.9	992.6	922.1	766.1	583.5	440.7
26.5°	916.2	956.2	889.4	735.2	558.7	421.0
27°	881.8	919.9	855.8	705.8	535.8	401.6
27.5°	847.7	884.9	823.0	676.6	513.0	382.9
28°	814.7	850.3	789.2	649.0	491.3	365.3
28.5°	782.0	815.9	757.9	622.6	470.6	348.0
29°	750.4	782.3	727.0	596.9	449.6	331.4
29.5°	718.1	751.0	697.9	572.1	429.7	315.0
30°	687.6	719.0	668.8	547.1	409.8	299.1
30.5°	659.1	689.4	640.6	524.2	391.2	284.3
31°	630.2	659.4	612.2	502.1	373.2	270.0
31.5°	602.5	631.2	586.3	480.3	355.8	255.6
32°	575.9	602.7	561.7	458.9	338.8	242.1
32.5°	551.3	577.5	537.5	438.6	322.1	229.1
33°	527.1	551.8	514.2	418.5	305.6	216.4
33.5°	503.2	527.1	490.7	399.3	290.0	204.3
34°	480.1	503.2	468.9	380.1	275.4	193.2
34.5°	458.1	480.8	447.9	362.0	260.5	182.2
35°	437.4	459.1	427.5	344.7	247.0	171.9
35.5°	417.6	438.4	407.3	328.1	234.1	161.8
36°	396.8	417.5	387.6	311.7	221.4	153.2
36.5°	377.3	397.2	368.9	294.9	208.6	144.0
37°	358.3	378.4	351.2	279.5	196.9	135.7
37.5°	340.6	360.4	334.0	264.7	185.5	127.0
38°	323.6	343.0	317.5	250.4	175.3	119.2
38.5°	307.0	325.7	300.9	236.6	164.7	111.6
39°	290.9	309.7	285.0	223.9	155.4	104.6
39.5°	275.7	293.8	270.2	211.0	146.0	98.0
40°	260.3	278.5	255.7	198.9	136.9	92.1
40.5°	246.2	264.3	242.0	186.8	128.2	86.3
41°	232.3	250.3	229.3	176.0	120.0	80.9
41.5°	219.1	237.3	216.6	165.5	112.2	75.4
42°	207.0	225.0	204.4	155.5	104.6	70.8
42.5°	195.1	212.7	192.8	145.8	97.6	66.3
43°	183.8	201.0	182.1	136.8	90.9	61.7
43.5°	172.8	189.2	171.5	128.0	85.0	57.5
44°	162.4	178.6	161.7	119.7	79.1	53.4
44.5°	152.5	168.3	152.5	111.5	73.7	49.4



TEST NUMBER: P888018
 CATALOG NUMBER: RLS4099FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	143.0	158.9	143.7	104.4	68.8	45.8
45.5°	134.6	149.2	135.0	97.1	64.2	42.9
46°	126.2	140.5	126.9	90.6	59.7	40.1
46.5°	118.1	131.9	118.7	84.6	55.6	37.5
47°	110.7	123.7	110.9	78.8	51.6	35.0
47.5°	103.3	115.6	103.8	73.4	47.9	32.5
48°	96.5	108.0	97.1	68.6	44.6	30.5
48.5°	89.8	100.6	90.7	63.9	41.5	28.7
49°	83.4	93.9	84.4	59.4	38.7	27.0
49.5°	77.5	87.4	78.7	55.2	36.1	25.5
50°	72.1	81.5	73.2	51.1	33.7	24.2
50.5°	66.9	75.8	68.0	47.1	31.5	22.6
51°	62.0	70.5	63.2	43.6	29.5	21.6
51.5°	57.5	65.4	58.6	40.6	27.7	20.3
52°	53.3	60.4	54.2	37.8	26.0	19.1
52.5°	49.1	55.5	49.9	35.3	24.5	18.1
53°	44.8	50.5	45.6	32.8	23.1	17.1
53.5°	40.6	45.3	41.2	30.2	21.7	16.3
54°	36.3	40.8	37.2	27.9	20.3	15.3
54.5°	32.7	36.9	33.5	25.7	18.9	14.6
55°	29.7	33.5	30.4	24.0	17.6	13.7
55.5°	27.2	30.4	28.0	22.4	16.7	13.1
56°	25.0	28.0	26.0	21.0	15.7	12.4
56.5°	23.0	26.1	24.0	19.7	14.7	11.8
57°	21.2	23.8	22.1	18.4	13.9	11.1
57.5°	19.5	21.9	20.5	17.4	13.1	10.6
58°	18.1	20.2	18.8	16.2	12.1	9.8
58.5°	16.6	18.6	17.4	15.1	11.5	9.2
59°	15.5	17.3	16.1	14.2	10.8	8.8
59.5°	14.3	15.9	14.8	13.3	10.1	8.2
60°	13.2	14.7	13.7	12.4	9.5	7.7
60.5°	12.7	13.6	12.6	11.6	8.8	7.2
61°	11.2	12.6	11.7	10.8	8.2	6.8
61.5°	10.4	11.7	11.0	10.1	7.6	6.3
62°	10.0	10.8	10.2	9.4	7.1	5.9
62.5°	9.0	10.3	9.5	8.8	6.6	5.6
63°	8.7	9.4	8.8	8.2	6.2	5.3
63.5°	7.7	8.8	8.3	7.8	5.9	4.9
64°	7.7	8.1	7.9	7.1	5.5	4.6
64.5°	6.9	7.7	7.2	6.7	5.1	4.3
65°	6.2	7.0	6.8	6.2	4.7	4.0
65.5°	5.9	6.4	6.2	5.8	4.4	3.7
66°	5.1	5.9	5.7	5.4	4.1	3.3
66.5°	5.0	5.4	5.4	5.0	3.8	3.1
67°	5.0	5.3	5.0	4.6	3.6	2.8



TEST NUMBER: P888018
 CATALOG NUMBER: RLS4099FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	3.9	4.6	4.6	4.3	3.3	2.8
68°	3.5	4.2	4.3	4.1	3.1	2.6
68.5°	3.4	3.9	3.9	3.7	2.9	2.2
69°	2.9	3.5	3.5	3.4	2.7	2.0
69.5°	2.6	3.2	3.4	3.2	2.6	1.9
70°	2.6	3.0	3.1	2.9	2.2	1.8
70.5°	2.6	2.8	2.9	2.6	1.9	1.8
71°	2.6	2.7	2.6	2.5	1.7	1.7
71.5°	2.4	2.4	2.5	2.3	1.7	1.7
72°	1.2	2.0	2.0	2.1	1.6	1.4
72.5°	1.0	1.9	1.9	1.9	1.4	1.2
73°	0.7	1.6	1.6	1.7	1.3	1.0
73.5°	0.8	1.5	1.4	1.6	1.1	0.9
74°	0.7	1.5	1.3	1.5	1.1	0.8
74.5°	0.6	1.4	1.3	1.4	0.9	0.7
75°	0.4	1.2	1.2	1.3	1.0	0.7
75.5°	0.2	1.1	1.2	1.2	0.8	0.6
76°	0.1	1.1	1.1	1.2	0.8	0.5
76.5°	0.0	1.0	0.9	1.1	0.7	0.5
77°	0.0	0.9	0.9	1.0	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	0.3
78.5°	0.0	0.6	0.6	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: P888018
 CATALOG NUMBER: RLS4099FS1EMBDMR-3500K

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: P888018
 CATALOG NUMBER: RLS4099FS1EMBDMR-3500K

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: P888018
 CATALOG NUMBER: RLS4099FS1EMBDNR-3500K

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°	0.2	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°	0.4	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°	0.4	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°	0.6	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°	0.6	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°	1.0	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°	1.1	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°	1.2	0.0	0.0	0.0	0.6	0.8
156.5°	1.4	0.0	0.0	0.1	0.7	0.9
157°	1.5	0.0	0.0	0.3	0.8	0.9



TEST NUMBER: P888018
 CATALOG NUMBER: RLS4099FS1EMBDMR-3500K

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°	1.5	0.1	0.1	0.5	0.8	0.9
158.5°	1.6	0.2	0.2	0.7	0.8	1.0
159°	1.6	0.2	0.2	0.7	0.9	1.0
159.5°	1.8	0.3	0.6	0.7	0.9	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°	2.1	0.8	0.7	0.8	1.1	1.8
161.5°	2.1	0.8	0.9	0.8	1.2	2.4
162°	2.1	0.8	0.9	0.8	1.2	2.4
162.5°	2.2	0.8	0.9	0.9	1.3	2.4
163°	2.3	0.8	0.9	1.0	1.4	2.4
163.5°	2.4	0.8	0.9	1.0	1.7	2.4
164°	2.5	0.8	0.9	1.1	2.3	2.4
164.5°	2.7	0.8	0.9	1.1	2.5	2.4
165°	2.8	0.8	1.0	1.1	2.7	2.4
165.5°	2.9	0.8	1.0	1.3	2.7	2.4
166°	2.9	0.8	1.0	1.3	2.7	2.5
166.5°	3.0	1.0	1.1	1.4	2.7	2.5
167°	3.1	1.0	1.1	1.7	2.7	2.5
167.5°	3.1	1.1	1.2	1.9	2.7	2.5
168°	3.3	1.1	1.3	2.0	2.7	2.5
168.5°	3.4	1.1	2.0	2.1	2.7	2.5
169°	3.4	1.3	2.4	2.2	2.7	2.5
169.5°	3.5	1.6	2.5	2.2	2.7	2.5
170°	3.5	2.1	2.5	2.2	2.7	2.5
170.5°	3.6	2.5	2.5	2.2	2.7	2.5
171°	3.6	2.4	2.5	2.3	2.7	2.5
171.5°	3.7	2.4	2.5	2.3	2.7	2.5
172°	3.7	2.4	2.5	2.3	2.7	2.5
172.5°	3.7	2.5	2.5	2.2	2.7	2.5
173°	3.7	2.5	2.5	2.4	2.7	2.5
173.5°	3.7	2.5	2.5	2.4	2.7	2.5
174°	3.6	2.5	2.5	2.4	2.7	2.5
174.5°	3.6	2.5	2.5	2.4	2.7	2.5
175°	3.6	2.5	2.5	2.4	2.7	2.5
175.5°	3.5	2.5	2.5	2.4	2.7	2.6
176°	3.5	2.5	2.5	2.4	2.7	2.6
176.5°	3.5	2.5	2.5	2.3	2.7	2.6
177°	3.4	2.5	2.5	2.3	2.7	2.6
177.5°	3.4	2.5	2.5	2.3	2.7	2.6
178°	3.4	2.5	2.5	2.3	2.7	2.6
178.5°	3.4	2.5	2.5	2.3	2.8	2.6
179°	3.4	2.5	2.5	2.3	2.7	2.6
179.5°	3.4	2.5	2.5	2.3	2.7	2.6



TEST NUMBER: P888018
CATALOG NUMBER: RLS4099FS1EMBDMR-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	2.6	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)