

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: P888019

Luminaire Tested: RLS4099FS1EMBDMR-4000K

Issue Date: 10/10/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P888019  
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-4000K  
Description:  
Light Source: -  
Ballast/Driver: -

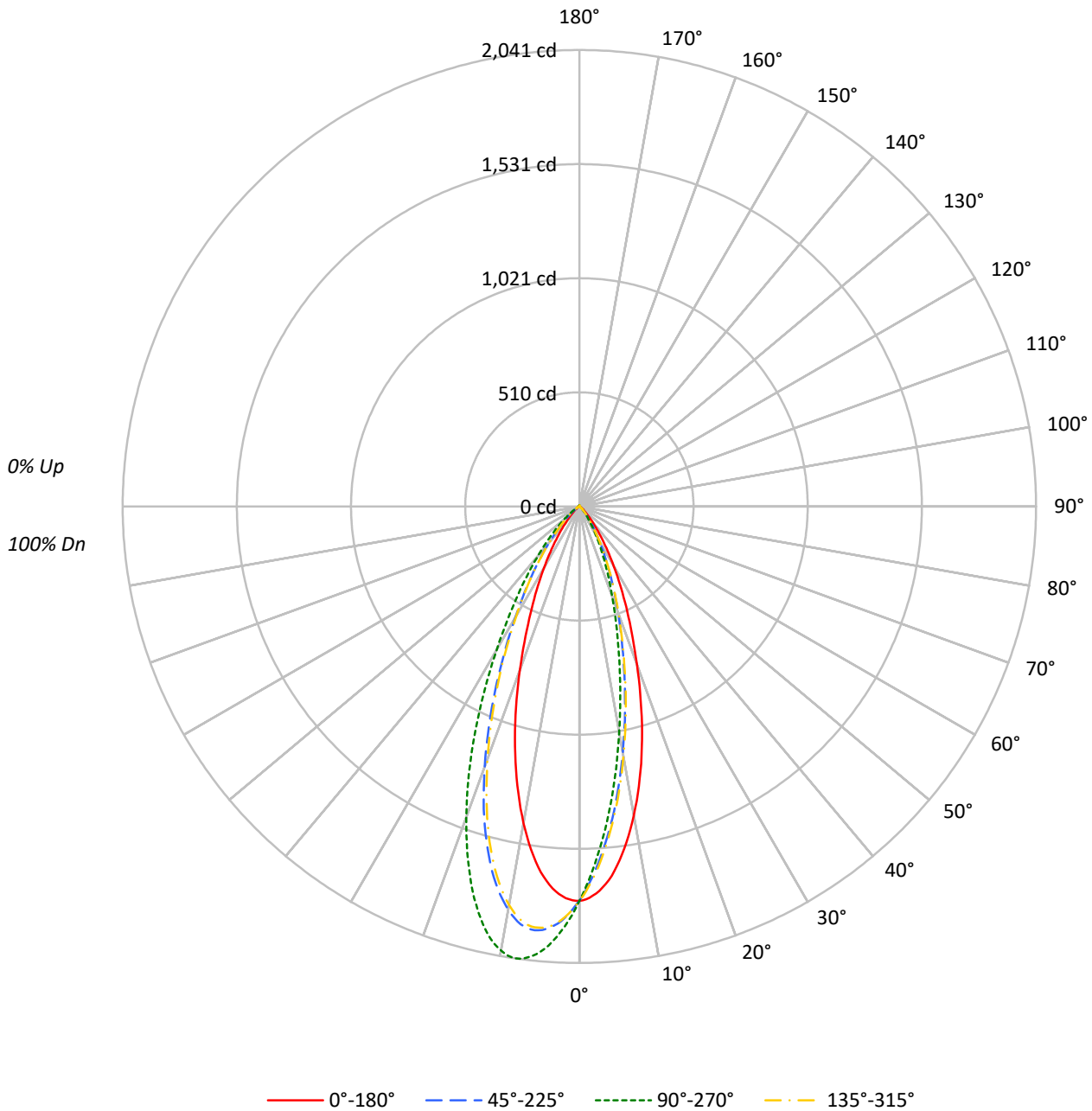
**Summary**

Lumens per Lamp: 909.86 (1 lamp)  
Luminaire Lumens: 970.0 lumens  
Efficiency: 106.6%  
Efficacy: 86.6 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): 11.2  
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	50	30	10	0	
RCR																						
0	127	127	127	127	124	124	124	124	118	118	118	113	113	113	109	109	109	106				106
1	121	118	116	114	119	116	114	112	112	110	108	108	106	105	104	103	102	100				100
2	116	111	107	103	113	109	105	102	106	103	100	102	100	98	99	97	96	94				94
3	110	104	99	95	108	102	98	94	100	96	93	97	94	91	95	92	90	88				88
4	105	98	92	88	103	97	91	87	94	90	86	92	88	85	90	87	84	83				83
5	100	92	86	82	99	91	86	82	89	85	81	87	83	80	86	82	79	78				78
6	96	87	81	77	94	86	81	77	85	80	76	83	79	76	82	78	75	74				74
7	92	83	77	72	90	82	76	72	80	75	72	79	75	71	78	74	71	70				70
8	88	78	72	68	87	78	72	68	77	72	68	76	71	68	75	70	67	66				66
9	84	75	69	65	83	74	68	65	73	68	64	72	67	64	71	67	64	63				63
10	81	71	65	62	80	71	65	61	70	65	61	69	64	61	68	64	61	60				60

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	221961	221961	221961	221961
5°	209469	178669	212324	252522
10°	179048	131101	183687	257704
15°	141025	89040	144660	236410
20°	100914	57870	103780	197917
25°	68708	36270	69819	151968
30°	44613	21376	45732	107245
35°	27116	11523	27731	72392
40°	15525	6079	15624	46969
45°	8365	3613	8561	29028
50°	4856	2291	4875	16368
55°	3094	1689	3028	7526
60°	1988	1133	2014	3801
65°	1221	744	1102	2144
70°	699	37	368	1141
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: 29028 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	154.2	15.9	16.9
10°-20°	322.8	33.3	35.5
20°-30°	270.3	27.9	29.7
30°-40°	144.1	14.9	15.8
40°-50°	54.9	5.7	6.0
50°-60°	16.6	1.7	1.8
60°-70°	4.5	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°	0.8	0.1	0.1
170°-180°	0.3	0.0	0.0
0°-30°	747.3	77.0	82.1
0°-40°	891.4	91.9	98.0
0°-60°	962.8	99.3	105.8
0°-90°	967.9	99.8	106.4
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°	970.0	100.0	106.6

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1764	1764	1764	1764	1764	
5°	1658	1414	1681	1999	1658	150
15°	1082	683	1110	1814	1082	296
25°	495	261	503	1094	495	228
35°	176	75	180	471	176	113
45°	47	20	48	163	47	39
55°	14	8	14	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°	3	3	4	2	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°	1763.7	1763.7	1763.7	1763.7	1763.7	1763.7	1763.7	1763.7	1763.7	1763.7	1763.7
0.5°	1761.2	1748.4	1739.4	1731.1	1733.4	1738.2	1743.8	1751.7	1763.5	1774.2	1783.6
1°	1756.7	1732.2	1714.7	1701.1	1700.4	1709.7	1721.6	1738.4	1761.5	1783.7	1803.0
1.5°	1750.2	1715.8	1686.8	1668.7	1667.1	1676.8	1696.2	1723.7	1757.0	1791.2	1821.5
2°	1741.2	1697.0	1658.6	1635.7	1633.8	1643.8	1670.4	1707.1	1752.1	1798.6	1839.6
2.5°	1732.6	1675.6	1629.2	1600.6	1599.4	1610.1	1643.0	1688.7	1744.4	1803.3	1855.9
3°	1721.4	1652.9	1599.7	1566.5	1562.6	1575.9	1613.8	1668.6	1734.9	1804.9	1868.1
3.5°	1707.0	1628.6	1568.3	1530.6	1526.7	1541.9	1584.2	1647.0	1723.9	1805.9	1878.0
4°	1692.6	1603.7	1537.2	1496.1	1490.1	1506.8	1552.6	1624.4	1711.9	1804.2	1887.5
4.5°	1675.8	1577.9	1505.0	1458.9	1452.9	1470.7	1520.2	1599.9	1696.7	1800.5	1895.4
5°	1658.1	1550.4	1471.4	1421.2	1414.3	1433.5	1488.9	1575.0	1680.7	1795.3	1900.8
5.5°	1636.7	1521.5	1437.0	1384.3	1375.3	1396.7	1455.1	1548.1	1662.8	1787.9	1903.7
6°	1614.7	1493.5	1404.4	1347.4	1336.3	1359.1	1421.9	1520.4	1643.8	1778.7	1905.0
6.5°	1591.4	1464.3	1369.8	1310.1	1298.5	1321.3	1387.0	1490.4	1622.1	1766.8	1903.2
7°	1567.1	1434.5	1335.0	1270.9	1260.1	1283.3	1352.0	1460.9	1600.1	1752.7	1899.2
7.5°	1541.4	1402.1	1297.7	1233.3	1220.2	1244.4	1317.3	1428.6	1574.8	1736.0	1893.5
8°	1515.6	1369.4	1261.9	1194.5	1180.8	1205.7	1280.4	1397.4	1549.5	1720.6	1886.4
8.5°	1488.4	1336.8	1224.9	1155.9	1142.3	1168.6	1244.2	1365.6	1522.3	1703.2	1875.4
9°	1459.9	1304.4	1189.2	1117.6	1102.3	1129.2	1208.4	1333.7	1494.9	1683.4	1861.9
9.5°	1430.3	1271.6	1153.4	1080.4	1063.8	1092.2	1171.3	1300.9	1466.7	1661.5	1847.3
10°	1401.1	1239.1	1117.3	1042.9	1025.9	1055.2	1135.6	1267.0	1437.4	1638.1	1831.0
10.5°	1372.3	1204.4	1081.5	1006.1	989.5	1016.7	1099.1	1232.5	1406.2	1613.5	1812.8
11°	1341.8	1171.0	1045.4	969.1	952.0	978.8	1063.4	1198.2	1375.5	1588.5	1793.2
11.5°	1311.5	1137.4	1011.3	934.1	916.0	943.3	1027.7	1163.2	1344.0	1561.3	1772.0
12°	1280.1	1104.5	977.2	898.2	880.1	908.3	992.4	1128.7	1311.5	1533.2	1750.2
12.5°	1246.9	1070.0	941.6	864.2	845.5	873.2	956.5	1093.5	1278.7	1502.9	1725.7
13°	1215.1	1036.1	907.4	830.7	810.6	839.8	923.1	1059.9	1245.4	1473.6	1700.1
13.5°	1182.5	1002.4	873.7	797.4	778.3	806.6	888.8	1025.6	1211.7	1442.9	1673.4
14°	1150.0	968.8	840.3	764.7	745.0	772.3	855.5	991.4	1177.4	1411.5	1644.5
14.5°	1115.8	935.2	807.8	733.8	713.4	740.2	823.4	957.7	1144.0	1379.9	1615.4
15°	1082.4	901.7	775.9	704.3	683.4	709.9	790.3	923.9	1110.3	1346.3	1584.1
15.5°	1049.0	868.6	745.1	674.7	654.5	680.4	758.6	890.6	1077.0	1313.0	1553.0
16°	1015.2	836.9	714.5	645.0	625.5	650.8	728.0	858.4	1042.1	1278.6	1520.8
16.5°	981.5	805.5	686.5	618.1	597.7	623.1	699.9	826.8	1007.9	1243.5	1487.8
17°	946.9	774.0	657.3	592.1	571.1	595.8	669.8	794.5	974.4	1208.7	1454.6
17.5°	913.3	743.5	630.6	566.7	545.6	570.4	641.6	762.1	940.5	1173.9	1419.7
18°	879.2	714.1	602.8	541.8	521.5	545.4	613.6	731.6	906.5	1137.6	1383.9
18.5°	848.0	685.2	578.3	517.2	497.8	520.9	587.0	703.0	873.1	1101.8	1347.3
19°	816.0	657.3	553.8	494.3	474.3	497.5	561.9	673.4	839.8	1066.3	1310.9
19.5°	783.7	630.4	529.5	471.7	452.7	475.0	538.1	645.3	807.0	1031.5	1274.4
20°	753.5	604.9	506.9	450.3	432.1	454.0	513.8	618.4	774.9	995.4	1237.0
20.5°	723.9	579.5	484.4	429.5	411.9	433.4	490.9	592.3	744.3	961.7	1200.1
21°	694.2	554.9	462.5	408.6	391.9	413.1	469.1	566.5	713.5	926.0	1163.1
21.5°	666.2	531.8	441.6	389.3	372.7	393.4	448.3	542.3	684.0	891.2	1125.8
22°	638.3	508.8	421.0	371.2	355.6	374.5	428.0	518.5	654.4	857.4	1088.8



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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°	612.8	486.6	401.7	353.3	338.6	356.3	407.9	496.4	627.5	824.1	1052.3
23°	587.9	465.3	383.2	335.7	322.0	338.9	388.7	474.6	600.2	790.2	1015.6
23.5°	563.2	443.9	364.9	318.6	305.8	322.3	370.2	454.1	575.0	758.3	980.6
24°	539.7	423.7	347.1	302.2	290.2	305.8	351.7	433.6	549.8	725.6	944.7
24.5°	517.1	404.0	329.7	287.1	275.5	289.9	334.8	413.4	526.0	694.2	909.0
25°	494.8	385.4	312.6	272.0	261.2	274.8	318.0	393.8	502.8	664.0	874.0
25.5°	473.6	367.5	296.4	257.5	247.7	260.4	301.4	375.5	481.9	635.9	841.2
26°	452.4	350.4	281.5	244.1	235.1	246.7	286.0	357.8	461.0	607.7	807.3
26.5°	432.1	333.3	266.9	230.9	222.6	233.7	270.8	340.4	440.6	580.5	774.7
27°	412.3	316.7	252.8	218.2	210.2	221.5	256.2	323.7	420.6	555.7	742.7
27.5°	393.0	300.4	239.1	205.6	198.7	209.3	242.2	307.2	400.7	531.1	711.8
28°	375.0	285.4	225.8	193.8	188.0	197.9	228.8	291.0	382.2	508.4	681.9
28.5°	357.2	270.7	213.2	182.8	177.2	186.8	216.1	276.0	364.8	486.5	652.3
29°	340.2	256.6	201.4	172.7	166.8	176.1	204.1	261.5	348.3	465.8	624.3
29.5°	323.3	243.0	190.0	162.6	156.6	165.6	192.6	247.5	331.4	445.0	597.1
30°	307.0	229.7	179.0	153.4	147.1	155.7	181.3	233.8	314.7	424.2	570.7
30.5°	291.8	217.2	168.9	144.5	138.6	146.4	170.3	221.2	299.0	405.3	546.2
31°	277.2	204.9	159.2	135.7	130.3	137.9	160.0	208.8	283.8	386.5	522.4
31.5°	262.4	193.3	150.0	127.2	122.1	129.5	150.2	196.8	268.7	368.7	499.0
32°	248.5	182.3	141.0	119.1	114.3	121.3	141.5	185.0	254.3	351.3	476.6
32.5°	235.1	171.8	132.4	111.6	107.0	113.8	132.9	173.7	240.9	334.2	455.7
33°	222.2	161.9	124.0	104.3	100.1	106.8	124.4	163.0	228.1	317.7	434.4
33.5°	209.7	152.3	116.2	97.5	93.3	99.3	116.4	152.9	215.3	301.5	414.4
34°	198.3	143.2	109.1	91.2	86.8	92.7	109.3	143.5	203.3	286.4	394.9
34.5°	187.0	134.1	101.7	85.2	80.9	86.4	101.8	134.6	192.1	271.7	375.8
35°	176.5	125.7	95.2	79.6	75.0	80.4	94.7	126.1	180.5	256.9	357.3
35.5°	166.1	117.6	89.0	74.3	69.9	74.7	88.4	117.6	169.7	243.5	340.2
36°	157.2	110.1	83.1	69.4	65.0	69.7	82.3	110.3	159.9	230.8	323.3
36.5°	147.8	102.7	77.4	64.6	60.9	64.9	76.5	102.6	149.9	218.2	306.9
37°	139.3	95.9	72.3	60.1	56.7	60.7	71.1	95.6	141.1	205.7	290.3
37.5°	130.4	89.5	67.2	56.0	52.9	56.5	66.5	89.0	132.5	194.2	275.4
38°	122.4	83.5	62.5	51.8	49.3	52.8	62.3	82.9	124.4	182.8	260.3
38.5°	114.6	77.7	58.1	47.7	45.8	49.1	57.9	77.0	116.3	172.2	245.9
39°	107.4	72.7	53.8	44.4	42.7	45.7	54.0	71.7	109.2	162.0	232.6
39.5°	100.6	67.5	49.5	41.5	39.8	42.7	50.2	66.7	101.9	152.3	219.9
40°	94.5	62.8	45.7	38.6	37.0	39.8	46.7	62.4	95.1	143.4	207.3
40.5°	88.6	58.3	42.2	36.1	34.5	37.1	43.5	58.1	88.6	134.8	195.1
41°	83.0	53.9	39.0	33.8	32.2	34.7	40.6	54.1	82.8	126.6	183.6
41.5°	77.4	49.9	36.5	31.6	30.2	32.4	37.9	50.3	77.2	118.5	171.9
42°	72.7	46.0	34.0	29.8	28.4	30.3	35.4	46.8	72.2	111.1	161.1
42.5°	68.0	42.7	31.8	28.1	26.7	28.5	33.2	43.6	67.7	103.8	150.9
43°	63.3	39.7	29.8	26.5	25.2	26.9	30.9	40.6	63.4	97.3	140.9
43.5°	59.1	37.0	28.1	25.1	23.8	25.3	29.2	37.9	59.2	90.7	131.9
44°	54.8	34.5	26.5	23.7	22.4	24.0	27.6	35.4	55.2	84.5	123.4
44.5°	50.7	32.4	25.1	22.5	21.2	22.5	26.1	33.2	51.5	78.6	115.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	47.0	30.3	23.7	21.4	20.3	21.4	24.7	31.0	48.1	73.3	107.4
45.5°	44.0	28.6	22.5	20.2	19.3	20.8	23.3	29.2	44.7	68.4	99.7
46°	41.2	27.0	21.3	19.2	18.1	19.4	22.1	27.5	41.7	64.2	92.7
46.5°	38.5	25.5	20.2	18.3	17.1	18.4	21.0	26.0	39.0	59.8	86.3
47°	35.9	24.0	19.2	17.4	16.4	17.4	19.8	24.4	36.3	55.6	80.1
47.5°	33.4	22.8	18.3	16.6	15.5	16.7	18.8	23.0	34.0	51.9	74.2
48°	31.3	21.7	17.4	15.8	14.5	15.7	18.2	21.8	31.9	48.2	68.9
48.5°	29.5	20.6	16.6	15.1	14.1	15.2	17.1	20.9	29.6	44.8	64.2
49°	27.7	19.6	15.9	14.4	13.0	14.3	16.2	19.8	28.1	41.7	60.0
49.5°	26.2	18.5	15.2	13.8	12.9	13.3	15.5	18.6	26.7	38.8	55.8
50°	24.8	17.6	14.6	13.2	11.7	13.2	14.7	17.8	24.9	36.1	51.5
50.5°	23.2	16.9	14.0	12.6	11.4	12.0	14.1	16.9	23.5	33.6	47.8
51°	22.2	16.0	13.4	12.0	10.7	11.5	13.2	15.9	21.9	31.3	44.2
51.5°	20.8	15.3	12.8	11.6	10.4	11.2	12.9	15.3	21.1	29.3	41.0
52°	19.6	14.5	12.2	11.1	10.3	10.5	11.9	14.4	19.6	27.6	38.0
52.5°	18.5	13.8	11.7	10.9	9.8	10.6	11.5	13.5	18.6	25.9	35.2
53°	17.5	13.1	11.2	10.2	8.9	10.5	10.8	13.0	17.4	24.1	32.5
53.5°	16.7	12.6	10.8	9.8	8.8	9.2	10.4	12.0	16.6	22.7	29.8
54°	15.7	12.0	10.2	9.5	8.4	8.8	10.3	11.7	15.9	21.2	27.1
54.5°	15.0	11.4	9.8	9.0	7.8	8.9	9.2	10.7	14.7	19.5	24.4
55°	14.1	11.0	9.3	8.6	7.7	8.4	9.0	10.5	13.8	18.2	22.2
55.5°	13.5	10.4	8.9	8.4	7.6	7.9	8.6	10.0	13.3	16.8	20.4
56°	12.7	9.8	8.5	8.1	7.2	7.4	7.9	9.2	12.0	15.8	18.8
56.5°	12.1	9.3	8.0	7.5	6.4	6.9	7.6	8.9	11.6	14.7	17.6
57°	11.4	8.8	7.5	7.2	6.0	6.5	7.5	8.3	10.6	13.8	16.6
57.5°	10.8	8.4	7.2	6.8	5.9	6.2	6.7	7.8	10.7	13.2	15.7
58°	10.1	7.9	6.8	6.4	5.6	6.1	6.3	7.7	9.3	12.1	14.4
58.5°	9.5	7.5	6.4	6.2	5.3	5.6	6.3	7.0	9.1	11.4	13.4
59°	9.0	7.0	6.1	5.8	5.1	5.2	5.7	6.4	8.3	10.7	13.0
59.5°	8.5	6.6	5.7	5.5	4.8	5.1	5.2	6.3	8.0	10.5	11.7
60°	7.9	6.2	5.5	5.2	4.5	5.1	5.1	5.8	8.0	9.3	10.7
60.5°	7.4	5.9	5.0	4.8	3.7	5.2	4.9	5.2	6.6	9.1	10.3
61°	7.0	5.6	4.8	4.5	3.5	4.2	4.7	5.0	6.2	7.9	9.3
61.5°	6.4	5.1	4.4	4.2	3.5	3.7	4.3	5.0	6.0	7.9	8.7
62°	6.1	4.8	4.2	4.0	3.6	3.6	3.9	4.7	5.7	7.2	7.9
62.5°	5.7	4.4	3.8	3.7	3.3	3.6	3.5	3.9	5.5	6.3	7.9
63°	5.5	4.2	3.7	3.6	3.1	3.4	3.2	3.8	5.3	6.1	6.8
63.5°	5.0	3.8	3.3	3.4	2.9	3.2	2.8	3.7	5.1	5.6	6.3
64°	4.7	3.6	3.2	3.1	2.6	3.0	2.5	3.6	4.6	5.2	6.2
64.5°	4.4	3.3	3.1	2.9	2.4	2.8	2.4	2.8	4.2	5.1	5.4
65°	4.1	3.1	2.9	2.8	2.5	2.6	2.3	2.5	3.7	5.1	5.1
65.5°	3.8	2.9	2.9	2.7	2.4	2.7	2.2	2.4	3.2	4.4	5.1
66°	3.4	2.7	2.6	2.5	2.2	2.7	2.1	2.2	2.7	3.8	5.0
66.5°	3.2	2.6	2.4	2.1	1.2	2.4	2.0	2.1	2.6	3.5	3.9
67°	2.9	2.4	2.1	1.9	1.0	1.4	1.4	2.0	2.6	3.6	3.6





TEST NUMBER: P888019  
 CATALOG NUMBER: RLS4099FS1EMBDMR-4000K

**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	2.0	1.8	0.9	1.1	1.2	1.9	2.6	2.9	3.5
68°	2.6	2.1	1.7	1.6	0.8	0.9	1.0	1.3	2.7	2.7	3.4
68.5°	2.2	1.9	1.5	1.5	0.7	0.9	0.9	1.0	2.3	2.6	2.7
69°	2.1	1.8	1.4	1.4	0.6	0.8	0.9	0.9	1.5	2.4	2.6
69.5°	2.0	1.7	1.4	1.2	0.5	0.9	0.8	0.8	1.1	2.1	2.4
70°	1.9	1.5	1.1	1.1	0.1	0.8	0.7	0.8	1.0	1.8	2.2
70.5°	1.9	1.4	1.0	1.0	0.0	0.3	0.7	0.7	0.9	1.6	2.0
71°	1.8	1.2	0.9	0.9	0.0	0.0	0.2	0.6	0.8	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°	1.5	0.9	0.8	0.8	0.0	0.0	0.0	0.1	0.6	0.9	1.5
72.5°	1.2	0.8	0.7	0.7	0.0	0.0	0.0	0.0	0.5	0.9	1.3
73°	1.0	0.8	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.9	1.2
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°	0.9	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	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: P888019  
 CATALOG NUMBER: RLS4099FS1EMBDMR-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P888019  
 CATALOG NUMBER: RLS4099FS1EMBDMR-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.1	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	0.3	0.3	0.2	0.1	0.1	0.0	0.0
130.5°	0.0	0.0	0.0	0.0	0.3	0.3	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	0.4	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	0.2	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: P888019  
 CATALOG NUMBER: RLS4099FS1EMBDMR-4000K

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



TEST NUMBER: P888019  
 CATALOG NUMBER: RLS4099FS1EMBDMR-4000K

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



TEST NUMBER: P888019  
CATALOG NUMBER: RLS4099FS1EMBDMR-4000K

**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: P888019  
 CATALOG NUMBER: RLS4099FS1EMBDMR-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1763.7	1763.7	1763.7	1763.7	1763.7	1763.7
0.5°	1789.7	1796.0	1793.9	1784.3	1774.1	1761.2
1°	1817.7	1825.4	1820.8	1803.6	1782.6	1756.7
1.5°	1843.5	1852.9	1845.4	1821.9	1789.2	1750.2
2°	1868.2	1879.7	1869.9	1837.6	1792.8	1741.2
2.5°	1890.9	1902.8	1892.1	1851.2	1794.6	1732.6
3°	1912.3	1927.3	1913.0	1863.3	1794.0	1721.4
3.5°	1930.9	1948.5	1930.2	1873.5	1792.1	1707.0
4°	1947.8	1968.0	1946.5	1881.6	1788.2	1692.6
4.5°	1961.7	1984.7	1960.5	1887.2	1783.3	1675.8
5°	1975.3	1998.9	1972.9	1891.0	1775.4	1658.1
5.5°	1985.8	2011.6	1983.8	1892.5	1765.9	1636.7
6°	1994.1	2021.6	1991.5	1892.4	1754.5	1614.7
6.5°	2000.0	2029.3	1997.1	1890.9	1739.4	1591.4
7°	2003.9	2035.9	1999.9	1886.1	1724.7	1567.1
7.5°	2004.6	2039.7	2000.0	1877.6	1708.4	1541.4
8°	2004.5	2040.6	1997.1	1868.4	1690.8	1515.6
8.5°	2002.1	2038.6	1991.6	1855.8	1669.6	1488.4
9°	1996.9	2034.0	1985.7	1842.6	1649.7	1459.9
9.5°	1989.1	2026.8	1976.9	1826.4	1627.2	1430.3
10°	1979.0	2016.6	1965.0	1808.6	1604.4	1401.1
10.5°	1966.5	2004.6	1950.6	1789.8	1578.4	1372.3
11°	1952.2	1991.6	1934.8	1769.1	1551.5	1341.8
11.5°	1935.3	1976.2	1916.5	1744.7	1525.2	1311.5
12°	1915.9	1959.3	1896.6	1720.9	1498.0	1280.1
12.5°	1894.4	1938.4	1872.7	1695.6	1469.1	1246.9
13°	1871.3	1916.6	1849.2	1669.5	1440.7	1215.1
13.5°	1846.3	1892.5	1824.4	1641.5	1410.1	1182.5
14°	1820.4	1868.6	1798.4	1613.2	1377.6	1150.0
14.5°	1792.1	1841.0	1770.6	1582.7	1344.6	1115.8
15°	1762.9	1814.5	1743.0	1551.8	1311.2	1082.4
15.5°	1732.4	1785.9	1711.3	1517.8	1277.2	1049.0
16°	1702.5	1754.2	1677.6	1484.3	1243.8	1015.2
16.5°	1670.8	1721.6	1645.7	1450.4	1209.9	981.5
17°	1637.9	1688.6	1611.1	1415.6	1174.1	946.9
17.5°	1604.4	1655.5	1576.5	1380.1	1140.5	913.3
18°	1570.0	1621.9	1541.2	1343.7	1105.4	879.2
18.5°	1534.0	1585.7	1505.3	1307.4	1069.6	848.0
19°	1497.9	1549.8	1469.7	1271.2	1033.5	816.0
19.5°	1462.1	1513.5	1432.6	1235.2	998.8	783.7
20°	1426.3	1477.8	1396.0	1200.3	965.3	753.5
20.5°	1389.3	1439.9	1358.2	1165.1	931.1	723.9
21°	1351.2	1402.6	1319.7	1127.4	895.4	694.2
21.5°	1313.3	1364.3	1282.1	1091.5	862.8	666.2
22°	1275.2	1326.2	1244.2	1057.1	830.3	638.3



TEST NUMBER: P888019  
 CATALOG NUMBER: RLS4099FS1EMBDMR-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1237.1	1288.3	1207.4	1021.8	799.0	612.8
23°	1198.4	1248.4	1169.3	986.8	767.9	587.9
23.5°	1160.0	1209.4	1132.5	952.5	737.0	563.2
24°	1123.0	1171.0	1094.1	917.4	706.8	539.7
24.5°	1085.6	1132.6	1057.3	883.6	677.8	517.1
25°	1048.8	1094.4	1019.8	849.9	650.2	494.8
25.5°	1013.2	1056.3	983.3	818.7	624.2	473.6
26°	977.1	1018.9	946.5	786.4	598.9	452.4
26.5°	940.5	981.5	913.0	754.6	573.5	432.1
27°	905.1	944.3	878.4	724.5	550.0	412.3
27.5°	870.2	908.3	844.8	694.5	526.6	393.0
28°	836.3	872.8	810.1	666.2	504.3	375.0
28.5°	802.7	837.5	777.9	639.1	483.0	357.2
29°	770.2	803.0	746.2	612.7	461.5	340.2
29.5°	737.1	770.9	716.3	587.2	441.0	323.3
30°	705.8	738.0	686.5	561.5	420.7	307.0
30.5°	676.5	707.6	657.5	538.1	401.6	291.8
31°	646.8	676.9	628.4	515.4	383.1	277.2
31.5°	618.5	647.9	601.8	493.0	365.2	262.4
32°	591.1	618.6	576.5	471.0	347.8	248.5
32.5°	565.9	592.7	551.7	450.2	330.6	235.1
33°	541.0	566.4	527.8	429.6	313.7	222.2
33.5°	516.5	541.1	503.7	409.9	297.6	209.7
34°	492.8	516.5	481.3	390.2	282.7	198.3
34.5°	470.2	493.6	459.8	371.6	267.4	187.0
35°	449.0	471.2	438.8	353.8	253.6	176.5
35.5°	428.6	450.0	418.1	336.8	240.3	166.1
36°	407.3	428.6	397.9	320.0	227.2	157.2
36.5°	387.3	407.7	378.6	302.7	214.1	147.8
37°	367.8	388.4	360.5	286.9	202.1	139.3
37.5°	349.6	369.9	342.8	271.7	190.4	130.4
38°	332.2	352.0	325.9	257.0	179.9	122.4
38.5°	315.1	334.4	308.8	242.8	169.1	114.6
39°	298.6	317.9	292.6	229.8	159.5	107.4
39.5°	283.0	301.5	277.3	216.6	149.9	100.6
40°	267.2	285.9	262.5	204.1	140.5	94.5
40.5°	252.7	271.3	248.4	191.8	131.6	88.6
41°	238.4	256.9	235.3	180.7	123.2	83.0
41.5°	224.9	243.6	222.3	169.9	115.1	77.4
42°	212.5	231.0	209.8	159.6	107.3	72.7
42.5°	200.2	218.3	197.9	149.6	100.2	68.0
43°	188.6	206.4	186.9	140.5	93.3	63.3
43.5°	177.3	194.2	176.0	131.4	87.2	59.1
44°	166.7	183.3	165.9	122.9	81.2	54.8
44.5°	156.5	172.7	156.5	114.5	75.6	50.7





TEST NUMBER: P888019  
 CATALOG NUMBER: RLS4099FS1EMBDMR-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	146.7	163.1	147.5	107.1	70.6	47.0
45.5°	138.1	153.2	138.6	99.7	65.9	44.0
46°	129.6	144.2	130.3	93.0	61.3	41.2
46.5°	121.2	135.4	121.8	86.8	57.1	38.5
47°	113.6	127.0	113.9	80.9	52.9	35.9
47.5°	106.1	118.7	106.6	75.3	49.1	33.4
48°	99.1	110.9	99.7	70.4	45.8	31.3
48.5°	92.2	103.3	93.1	65.6	42.6	29.5
49°	85.6	96.4	86.6	60.9	39.7	27.7
49.5°	79.6	89.7	80.7	56.7	37.1	26.2
50°	74.1	83.6	75.2	52.4	34.6	24.8
50.5°	68.6	77.8	69.8	48.3	32.4	23.2
51°	63.6	72.4	64.9	44.7	30.3	22.2
51.5°	59.0	67.2	60.1	41.7	28.4	20.8
52°	54.7	62.0	55.7	38.8	26.7	19.6
52.5°	50.4	57.0	51.2	36.2	25.2	18.5
53°	46.0	51.8	46.8	33.6	23.7	17.5
53.5°	41.6	46.5	42.3	31.0	22.3	16.7
54°	37.2	41.9	38.2	28.7	20.8	15.7
54.5°	33.5	37.9	34.4	26.4	19.4	15.0
55°	30.4	34.3	31.2	24.7	18.1	14.1
55.5°	27.9	31.2	28.8	23.0	17.1	13.5
56°	25.7	28.7	26.6	21.5	16.1	12.7
56.5°	23.6	26.8	24.7	20.2	15.1	12.1
57°	21.7	24.4	22.7	18.9	14.2	11.4
57.5°	20.0	22.4	21.0	17.8	13.4	10.8
58°	18.5	20.7	19.3	16.6	12.4	10.1
58.5°	17.1	19.1	17.9	15.5	11.8	9.5
59°	15.9	17.7	16.5	14.5	11.1	9.0
59.5°	14.7	16.3	15.2	13.7	10.3	8.5
60°	13.6	15.1	14.0	12.7	9.7	7.9
60.5°	13.0	13.9	12.9	11.9	9.0	7.4
61°	11.5	12.9	12.0	11.1	8.4	7.0
61.5°	10.7	12.0	11.2	10.4	7.8	6.4
62°	10.3	11.1	10.5	9.7	7.3	6.1
62.5°	9.2	10.6	9.7	9.0	6.8	5.7
63°	8.9	9.7	9.1	8.4	6.4	5.5
63.5°	7.9	9.0	8.6	8.0	6.1	5.0
64°	7.9	8.3	8.1	7.3	5.6	4.7
64.5°	7.1	7.9	7.4	6.9	5.2	4.4
65°	6.3	7.2	7.0	6.4	4.9	4.1
65.5°	6.1	6.6	6.4	5.9	4.5	3.8
66°	5.2	6.1	5.9	5.6	4.2	3.4
66.5°	5.2	5.6	5.5	5.1	3.9	3.2
67°	5.2	5.4	5.1	4.7	3.7	2.9



TEST NUMBER: P888019  
 CATALOG NUMBER: RLS4099FS1EMBDMR-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	4.0	4.7	4.7	4.4	3.4	2.8
68°	3.5	4.3	4.4	4.2	3.2	2.6
68.5°	3.5	4.0	4.0	3.8	3.0	2.2
69°	2.9	3.6	3.6	3.5	2.8	2.1
69.5°	2.7	3.3	3.5	3.3	2.6	2.0
70°	2.7	3.1	3.2	3.0	2.2	1.9
70.5°	2.6	2.8	2.9	2.7	2.0	1.9
71°	2.7	2.7	2.7	2.5	1.8	1.8
71.5°	2.5	2.4	2.5	2.4	1.7	1.7
72°	1.3	2.1	2.1	2.2	1.6	1.5
72.5°	1.0	1.9	1.9	2.0	1.5	1.2
73°	0.8	1.7	1.7	1.8	1.4	1.0
73.5°	0.8	1.6	1.4	1.6	1.1	0.9
74°	0.8	1.5	1.4	1.5	1.1	0.9
74.5°	0.7	1.4	1.3	1.4	0.9	0.8
75°	0.4	1.2	1.3	1.4	1.0	0.7
75.5°	0.2	1.2	1.2	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	0.9	1.1	0.8	0.5
77°	0.0	0.9	0.9	1.0	0.6	0.3
77.5°	0.0	0.8	0.8	0.9	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	0.3	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: P888019  
 CATALOG NUMBER: RLS4099FS1EMBDMR-4000K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P888019  
 CATALOG NUMBER: RLS4099FS1EMBDMR-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0
113°	0.0	0.0	0.0	0.0	0.0	0.0
113.5°	0.0	0.0	0.0	0.0	0.0	0.0
114°	0.0	0.0	0.0	0.0	0.0	0.0
114.5°	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0
115.5°	0.0	0.0	0.0	0.0	0.0	0.0
116°	0.1	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: P888019  
 CATALOG NUMBER: RLS4099FS1EMBDMR-4000K

**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°	0.3	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°	0.4	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°	0.7	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°	0.7	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°	0.8	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°	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°	1.0	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	0.8
156°	1.2	0.0	0.0	0.0	0.6	0.9
156.5°	1.4	0.0	0.0	0.1	0.8	0.9
157°	1.5	0.0	0.0	0.3	0.8	0.9



TEST NUMBER: P888019  
 CATALOG NUMBER: RLS4099FS1EMBDMR-4000K

**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	1.0
158.5°	1.6	0.2	0.2	0.7	0.9	1.0
159°	1.7	0.2	0.3	0.7	0.9	1.0
159.5°	1.9	0.3	0.6	0.7	0.9	1.0
160°	1.9	0.5	0.8	0.7	0.9	1.1
160.5°	1.8	0.7	0.8	0.8	1.0	1.3
161°	2.1	0.8	0.8	0.8	1.1	1.9
161.5°	2.2	0.8	0.9	0.8	1.2	2.5
162°	2.2	0.8	0.9	0.9	1.3	2.5
162.5°	2.3	0.8	0.9	0.9	1.4	2.5
163°	2.4	0.8	0.9	1.0	1.5	2.5
163.5°	2.5	0.8	0.9	1.0	1.7	2.5
164°	2.6	0.8	0.9	1.1	2.4	2.5
164.5°	2.7	0.8	1.0	1.1	2.6	2.5
165°	2.8	0.8	1.0	1.1	2.7	2.5
165.5°	3.0	0.8	1.0	1.3	2.7	2.5
166°	3.0	0.8	1.1	1.4	2.7	2.5
166.5°	3.0	1.0	1.1	1.4	2.7	2.5
167°	3.2	1.0	1.1	1.8	2.7	2.5
167.5°	3.2	1.1	1.3	2.0	2.7	2.5
168°	3.4	1.2	1.4	2.0	2.7	2.5
168.5°	3.4	1.2	2.0	2.2	2.7	2.5
169°	3.5	1.3	2.4	2.2	2.7	2.6
169.5°	3.6	1.7	2.5	2.2	2.7	2.6
170°	3.6	2.2	2.6	2.3	2.7	2.6
170.5°	3.7	2.6	2.6	2.3	2.7	2.6
171°	3.7	2.5	2.6	2.3	2.7	2.6
171.5°	3.8	2.5	2.6	2.3	2.7	2.6
172°	3.8	2.5	2.6	2.4	2.7	2.6
172.5°	3.8	2.5	2.6	2.3	2.7	2.6
173°	3.8	2.5	2.6	2.5	2.7	2.6
173.5°	3.8	2.5	2.6	2.5	2.7	2.6
174°	3.7	2.5	2.6	2.5	2.7	2.6
174.5°	3.7	2.5	2.6	2.4	2.7	2.6
175°	3.7	2.5	2.6	2.4	2.7	2.6
175.5°	3.6	2.5	2.6	2.4	2.7	2.6
176°	3.6	2.6	2.5	2.4	2.7	2.6
176.5°	3.5	2.6	2.5	2.4	2.7	2.6
177°	3.5	2.6	2.5	2.4	2.7	2.6
177.5°	3.5	2.6	2.5	2.4	2.7	2.6
178°	3.5	2.6	2.5	2.4	2.7	2.6
178.5°	3.5	2.6	2.5	2.4	2.9	2.7
179°	3.5	2.6	2.5	2.4	2.8	2.7
179.5°	3.5	2.6	2.5	2.4	2.8	2.7



TEST NUMBER: P888019  
CATALOG NUMBER: RLS4099FS1EMBDMR-4000K

**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)