

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: P888016

Luminaire Tested: RLS4099FS1EMBDMR-2700K

Issue Date: 10/10/2024

Test Information

Test Method: LM-79-2019
Report Number: P888016
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-2700K
Description:
Light Source: -
Ballast/Driver: -

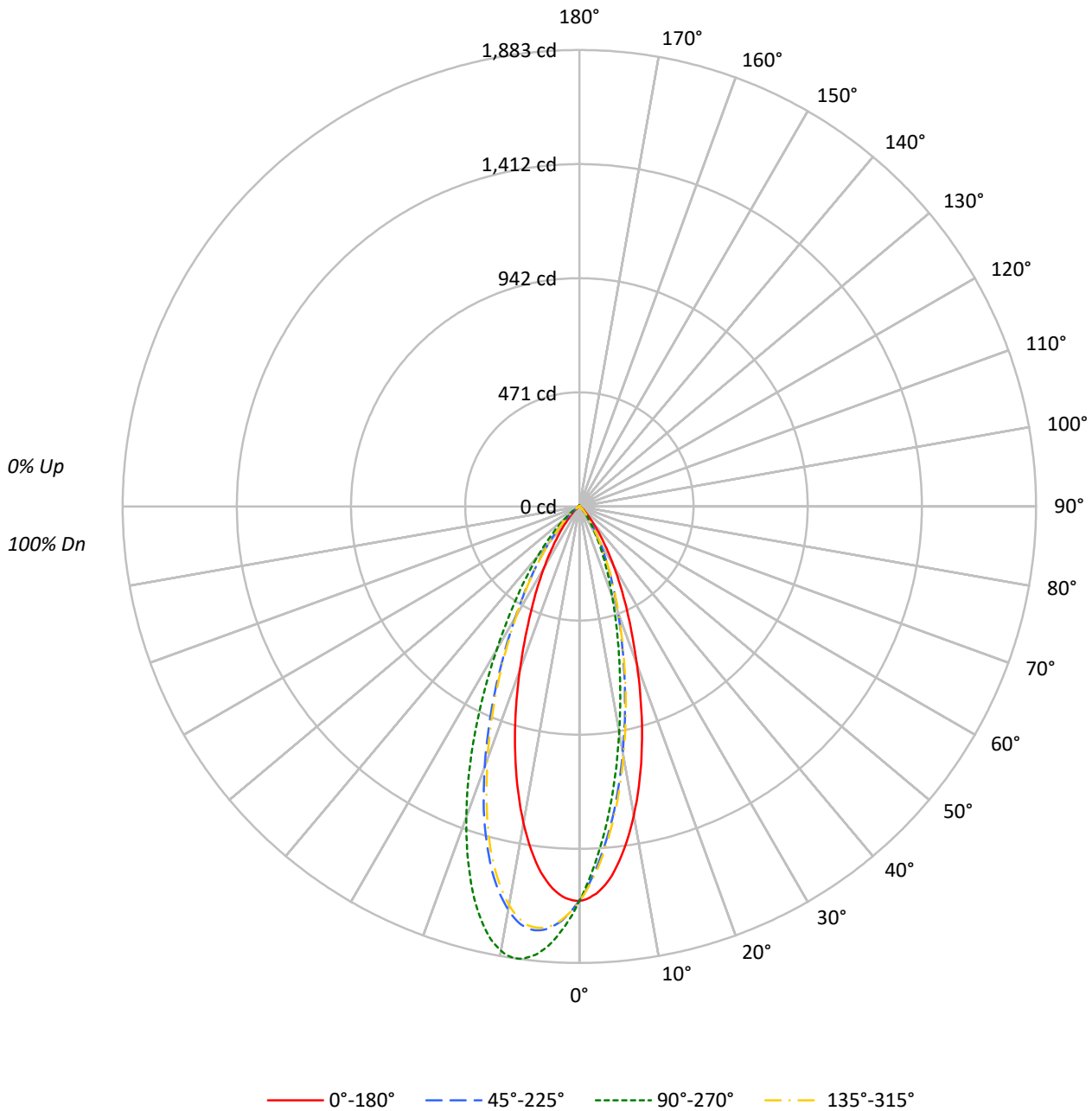
Summary

Lumens per Lamp: 909.86 (1 lamp)
Luminaire Lumens: 895.0 lumens
Efficiency: 98.4%
Efficacy: 81.4 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
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	117	117	117	117	114	114	114	114	109	109	109	104	104	104	100	100	100	98
1	112	109	107	105	109	107	105	103	103	102	100	100	98	97	96	95	94	92
2	107	102	99	95	105	101	97	94	97	95	92	94	92	90	92	90	88	87
3	102	96	91	88	100	95	90	87	92	88	85	90	87	84	87	85	83	81
4	97	90	85	81	95	89	84	81	87	83	80	85	82	79	83	80	78	76
5	93	85	80	76	91	84	79	75	82	78	75	81	77	74	79	76	73	72
6	89	80	75	71	87	80	74	71	78	74	70	77	73	70	75	72	69	68
7	85	76	71	67	83	75	70	67	74	70	66	73	69	66	72	68	66	64
8	81	72	67	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61
9	78	69	63	60	77	68	63	60	67	63	59	67	62	59	66	62	59	58
10	74	66	60	57	73	65	60	57	64	60	57	64	59	56	63	59	56	55

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	204795	204795	204795	204795
5°	193273	164849	195913	233004
10°	165196	120967	169490	237781
15°	130120	82147	133481	218130
20°	93106	53397	95757	182622
25°	63390	33465	64431	140207
30°	41169	19720	42186	98948
35°	25012	10631	25580	66800
40°	14326	5602	14424	43338
45°	7724	3346	7884	26786
50°	4484	2115	4484	15115
55°	2852	1558	2787	6955
60°	1837	1057	1837	3499
65°	1132	685	1012	1965
70°	626	37	331	1067
75°	292	0	0	583
80°	72	0	0	217
85°	0	0	0	144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 270°
 Vertical Angle: 45°
 Luminance: 26786 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	142.3	15.9	15.6
10°-20°	297.9	33.3	32.7
20°-30°	249.4	27.9	27.4
30°-40°	132.9	14.9	14.6
40°-50°	50.6	5.7	5.6
50°-60°	15.3	1.7	1.7
60°-70°	4.1	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°	689.5	77.0	75.8
0°-40°	822.4	91.9	90.4
0°-60°	888.4	99.3	97.6
0°-90°	893.1	99.8	98.2
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°	895.0	100.0	98.4

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1627	1627	1627	1627	1627	
5°	1530	1305	1551	1844	1530	138
15°	999	630	1024	1674	999	273
25°	456	241	464	1010	456	210
35°	163	69	166	435	163	105
45°	43	19	44	150	43	36
55°	13	7	13	32	13	12
65°	4	2	3	7	4	4
75°	1	0	0	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0
95°	0	0	0	0	0	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	1	0	0	0	0
145°	0	1	1	0	0	0
155°	1	3	2	0	1	0
165°	2	4	4	1	2	1
175°	2	3	3	2	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3
0.5°	1625.0	1613.2	1605.0	1597.3	1599.3	1603.8	1609.0	1616.3	1627.2	1637.0	1645.7
1°	1620.9	1598.3	1582.1	1569.5	1569.0	1577.5	1588.5	1604.0	1625.3	1645.8	1663.6
1.5°	1614.9	1583.1	1556.4	1539.6	1538.2	1547.1	1565.0	1590.4	1621.2	1652.7	1680.7
2°	1606.5	1565.8	1530.4	1509.2	1507.5	1516.7	1541.2	1575.2	1616.7	1659.5	1697.3
2.5°	1598.7	1546.0	1503.2	1476.9	1475.7	1485.6	1515.9	1558.1	1609.5	1663.9	1712.4
3°	1588.3	1525.1	1476.0	1445.4	1441.8	1454.1	1489.0	1539.5	1600.7	1665.4	1723.7
3.5°	1575.1	1502.7	1447.1	1412.3	1408.6	1422.7	1461.7	1519.7	1590.6	1666.2	1732.8
4°	1561.8	1479.7	1418.4	1380.4	1374.9	1390.3	1432.5	1498.8	1579.6	1664.7	1741.6
4.5°	1546.2	1455.9	1388.6	1346.1	1340.5	1357.0	1402.6	1476.2	1565.5	1661.3	1748.9
5°	1529.9	1430.6	1357.7	1311.3	1304.9	1322.6	1373.8	1453.2	1550.8	1656.5	1753.8
5.5°	1510.1	1403.9	1325.9	1277.3	1268.9	1288.7	1342.6	1428.4	1534.2	1649.6	1756.5
6°	1489.9	1378.0	1295.8	1243.3	1232.9	1254.0	1311.9	1402.8	1516.7	1641.2	1757.7
6.5°	1468.3	1351.1	1263.9	1208.8	1198.1	1219.2	1279.8	1375.2	1496.7	1630.2	1756.0
7°	1445.9	1323.6	1231.8	1172.6	1162.7	1184.0	1247.5	1347.9	1476.4	1617.2	1752.3
7.5°	1422.2	1293.7	1197.3	1137.9	1125.8	1148.1	1215.4	1318.1	1453.1	1601.8	1747.1
8°	1398.4	1263.5	1164.4	1102.1	1089.5	1112.4	1181.4	1289.4	1429.7	1587.5	1740.5
8.5°	1373.3	1233.4	1130.2	1066.5	1054.0	1078.2	1148.0	1260.0	1404.6	1571.5	1730.4
9°	1347.0	1203.5	1097.3	1031.2	1017.1	1041.9	1115.0	1230.6	1379.3	1553.2	1718.0
9.5°	1319.7	1173.3	1064.2	996.9	981.5	1007.8	1080.8	1200.3	1353.3	1533.0	1704.5
10°	1292.7	1143.3	1030.9	962.3	946.6	973.6	1047.8	1169.0	1326.3	1511.4	1689.5
10.5°	1266.2	1111.3	997.8	928.3	913.0	938.1	1014.2	1137.2	1297.5	1488.8	1672.6
11°	1238.0	1080.5	964.6	894.2	878.4	903.1	981.2	1105.5	1269.1	1465.7	1654.5
11.5°	1210.1	1049.5	933.1	861.9	845.2	870.4	948.2	1073.3	1240.1	1440.6	1635.0
12°	1181.1	1019.1	901.6	828.7	812.1	838.1	915.7	1041.4	1210.1	1414.6	1614.9
12.5°	1150.5	987.3	868.8	797.4	780.1	805.7	882.6	1009.0	1179.8	1386.7	1592.3
13°	1121.2	956.0	837.3	766.5	748.0	774.8	851.7	977.9	1149.1	1359.6	1568.7
13.5°	1091.1	924.9	806.1	735.8	718.1	744.3	820.1	946.3	1118.0	1331.3	1544.0
14°	1061.1	893.9	775.3	705.5	687.4	712.6	789.3	914.8	1086.4	1302.4	1517.3
14.5°	1029.5	862.8	745.3	677.0	658.3	682.9	759.8	883.6	1055.6	1273.2	1490.5
15°	998.7	832.0	715.9	649.8	630.5	655.0	729.2	852.5	1024.5	1242.2	1461.6
15.5°	967.9	801.4	687.5	622.5	603.9	627.8	700.0	821.7	993.7	1211.5	1432.9
16°	936.7	772.2	659.3	595.1	577.1	600.5	671.7	792.0	961.5	1179.7	1403.2
16.5°	905.6	743.2	633.4	570.3	551.5	574.9	645.8	762.9	930.0	1147.4	1372.8
17°	873.7	714.2	606.4	546.3	526.9	549.7	618.0	733.1	899.1	1115.3	1342.1
17.5°	842.7	686.0	581.8	522.9	503.4	526.3	592.0	703.1	867.8	1083.1	1310.0
18°	811.2	658.9	556.2	499.9	481.1	503.2	566.2	675.0	836.4	1049.7	1276.9
18.5°	782.4	632.2	533.6	477.2	459.3	480.6	541.6	648.6	805.6	1016.6	1243.2
19°	752.9	606.5	511.0	456.0	437.7	459.0	518.5	621.3	774.8	983.9	1209.5
19.5°	723.1	581.6	488.6	435.3	417.7	438.3	496.5	595.4	744.6	951.7	1175.9
20°	695.2	558.2	467.7	415.5	398.7	418.9	474.1	570.6	715.0	918.4	1141.4
20.5°	668.0	534.7	446.9	396.3	380.0	399.9	452.9	546.5	686.7	887.4	1107.3
21°	640.6	512.0	426.7	377.0	361.6	381.2	432.8	522.7	658.4	854.4	1073.2
21.5°	614.7	490.7	407.5	359.2	343.9	363.0	413.6	500.3	631.1	822.3	1038.8
22°	588.9	469.5	388.4	342.5	328.1	345.5	394.9	478.4	603.8	791.1	1004.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	565.5	449.0	370.7	326.0	312.4	328.7	376.4	458.1	579.0	760.4	970.9
23°	542.4	429.4	353.6	309.7	297.1	312.7	358.6	437.9	553.8	729.1	937.1
23.5°	519.7	409.6	336.7	294.0	282.1	297.4	341.5	419.0	530.5	699.7	904.8
24°	498.0	390.9	320.3	278.8	267.8	282.1	324.5	400.0	507.3	669.5	871.6
24.5°	477.2	372.8	304.2	264.9	254.2	267.5	308.9	381.4	485.4	640.6	838.7
25°	456.5	355.6	288.4	251.0	241.0	253.5	293.4	363.4	464.0	612.6	806.5
25.5°	436.9	339.1	273.5	237.6	228.6	240.3	278.1	346.4	444.7	586.8	776.1
26°	417.4	323.3	259.8	225.3	216.9	227.7	263.9	330.2	425.3	560.7	744.9
26.5°	398.7	307.5	246.3	213.0	205.4	215.7	249.9	314.1	406.5	535.6	714.8
27°	380.4	292.2	233.2	201.3	193.9	204.4	236.4	298.7	388.1	512.7	685.3
27.5°	362.6	277.2	220.6	189.7	183.3	193.2	223.5	283.5	369.7	490.1	656.8
28°	346.0	263.4	208.4	178.8	173.4	182.6	211.1	268.5	352.7	469.1	629.2
28.5°	329.6	249.8	196.7	168.7	163.5	172.4	199.4	254.7	336.6	448.9	601.9
29°	313.9	236.7	185.9	159.3	153.9	162.5	188.3	241.3	321.3	429.8	576.0
29.5°	298.3	224.2	175.3	150.1	144.5	152.8	177.7	228.4	305.8	410.6	550.9
30°	283.3	212.0	165.2	141.5	135.7	143.7	167.3	215.7	290.3	391.4	526.6
30.5°	269.3	200.5	155.9	133.4	127.9	135.1	157.2	204.1	275.9	374.0	504.0
31°	255.7	189.0	146.9	125.2	120.2	127.2	147.6	192.7	261.8	356.6	482.0
31.5°	242.1	178.4	138.4	117.4	112.7	119.5	138.6	181.6	247.9	340.2	460.4
32°	229.2	168.2	130.1	109.8	105.4	112.0	130.5	170.7	234.6	324.2	439.8
32.5°	216.9	158.5	122.2	102.9	98.7	105.0	122.6	160.3	222.3	308.3	420.5
33°	205.0	149.4	114.4	96.2	92.3	98.5	114.8	150.4	210.5	293.1	400.8
33.5°	193.5	140.5	107.3	90.0	86.1	91.7	107.4	141.1	198.7	278.2	382.3
34°	182.9	132.1	100.7	84.2	80.1	85.6	100.8	132.4	187.6	264.3	364.4
34.5°	172.5	123.8	93.8	78.6	74.6	79.7	94.0	124.2	177.2	250.7	346.7
35°	162.8	116.0	87.8	73.4	69.2	74.2	87.4	116.3	166.5	237.0	329.7
35.5°	153.3	108.5	82.1	68.5	64.5	69.0	81.6	108.5	156.6	224.7	313.9
36°	145.1	101.6	76.7	64.0	60.0	64.3	75.9	101.7	147.5	213.0	298.3
36.5°	136.4	94.8	71.4	59.6	56.2	59.9	70.5	94.7	138.4	201.3	283.2
37°	128.5	88.5	66.7	55.4	52.3	56.0	65.6	88.2	130.2	189.8	267.9
37.5°	120.3	82.6	62.0	51.6	48.8	52.2	61.4	82.1	122.2	179.2	254.1
38°	112.9	77.1	57.6	47.8	45.5	48.7	57.5	76.5	114.8	168.7	240.2
38.5°	105.7	71.7	53.6	44.0	42.3	45.3	53.5	71.0	107.3	158.9	226.9
39°	99.1	67.1	49.6	41.0	39.4	42.2	49.8	66.2	100.7	149.5	214.6
39.5°	92.8	62.3	45.7	38.3	36.7	39.4	46.3	61.5	94.1	140.5	202.9
40°	87.2	57.9	42.2	35.6	34.1	36.7	43.1	57.6	87.8	132.4	191.2
40.5°	81.8	53.8	38.9	33.3	31.9	34.2	40.2	53.6	81.8	124.3	180.0
41°	76.6	49.8	36.0	31.2	29.8	32.0	37.5	49.9	76.4	116.9	169.4
41.5°	71.4	46.1	33.7	29.2	27.8	29.9	35.0	46.4	71.2	109.3	158.6
42°	67.1	42.5	31.4	27.5	26.2	27.9	32.7	43.2	66.6	102.5	148.7
42.5°	62.7	39.4	29.3	25.9	24.7	26.3	30.6	40.3	62.4	95.8	139.2
43°	58.4	36.6	27.5	24.5	23.3	24.8	28.6	37.5	58.5	89.8	130.1
43.5°	54.5	34.2	25.9	23.2	21.9	23.4	27.0	35.0	54.6	83.7	121.7
44°	50.6	31.8	24.4	21.8	20.7	22.1	25.5	32.7	50.9	78.0	113.8
44.5°	46.8	29.9	23.2	20.7	19.6	20.8	24.0	30.6	47.5	72.6	106.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	43.4	28.0	21.9	19.8	18.8	19.8	22.8	28.6	44.3	67.7	99.1
45.5°	40.6	26.4	20.8	18.7	17.8	19.2	21.5	27.0	41.2	63.1	92.0
46°	38.0	24.9	19.7	17.7	16.7	17.9	20.4	25.4	38.5	59.2	85.5
46.5°	35.5	23.5	18.6	16.9	15.7	17.0	19.4	24.0	36.0	55.2	79.6
47°	33.2	22.1	17.8	16.1	15.1	16.1	18.3	22.5	33.5	51.3	73.9
47.5°	30.8	21.0	16.9	15.4	14.3	15.4	17.3	21.3	31.3	47.8	68.4
48°	28.8	20.1	16.1	14.5	13.4	14.5	16.8	20.1	29.5	44.5	63.6
48.5°	27.2	19.0	15.4	14.0	13.0	14.0	15.7	19.3	27.4	41.3	59.3
49°	25.6	18.1	14.7	13.3	12.0	13.2	14.9	18.2	25.9	38.4	55.4
49.5°	24.1	17.1	14.0	12.7	11.9	12.2	14.3	17.2	24.6	35.8	51.5
50°	22.9	16.3	13.4	12.2	10.8	12.2	13.5	16.4	22.9	33.3	47.5
50.5°	21.4	15.6	12.9	11.6	10.5	11.1	13.0	15.6	21.6	31.0	44.1
51°	20.5	14.8	12.4	11.1	9.9	10.6	12.2	14.7	20.2	28.9	40.8
51.5°	19.2	14.1	11.8	10.7	9.6	10.3	11.9	14.1	19.4	27.0	37.9
52°	18.1	13.4	11.2	10.2	9.5	9.7	11.0	13.3	18.1	25.5	35.0
52.5°	17.1	12.8	10.8	10.1	9.1	9.8	10.6	12.5	17.1	23.9	32.5
53°	16.2	12.1	10.4	9.4	8.2	9.7	10.0	12.0	16.1	22.3	29.9
53.5°	15.4	11.6	10.0	9.1	8.1	8.5	9.6	11.1	15.3	20.9	27.5
54°	14.5	11.0	9.4	8.7	7.7	8.1	9.5	10.8	14.7	19.5	25.0
54.5°	13.8	10.5	9.0	8.3	7.2	8.2	8.5	9.9	13.6	18.0	22.5
55°	13.0	10.2	8.6	8.0	7.1	7.8	8.3	9.7	12.7	16.8	20.5
55.5°	12.5	9.6	8.2	7.7	7.0	7.3	7.9	9.3	12.2	15.5	18.8
56°	11.7	9.0	7.8	7.5	6.7	6.9	7.3	8.5	11.1	14.6	17.3
56.5°	11.1	8.6	7.4	7.0	5.9	6.4	7.0	8.3	10.7	13.6	16.2
57°	10.5	8.1	6.9	6.6	5.5	6.0	6.9	7.6	9.8	12.8	15.3
57.5°	10.0	7.7	6.6	6.3	5.4	5.7	6.2	7.2	9.9	12.2	14.5
58°	9.3	7.3	6.3	5.9	5.2	5.6	5.8	7.1	8.6	11.2	13.3
58.5°	8.7	6.9	5.9	5.7	4.9	5.2	5.8	6.5	8.4	10.5	12.4
59°	8.3	6.5	5.6	5.4	4.7	4.8	5.3	5.9	7.6	9.8	12.0
59.5°	7.8	6.1	5.3	5.1	4.4	4.7	4.8	5.8	7.3	9.7	10.8
60°	7.3	5.7	5.0	4.8	4.2	4.7	4.7	5.3	7.3	8.6	9.9
60.5°	6.9	5.4	4.6	4.5	3.4	4.8	4.5	4.8	6.1	8.4	9.5
61°	6.5	5.2	4.4	4.1	3.2	3.9	4.3	4.6	5.7	7.3	8.6
61.5°	5.9	4.7	4.1	3.9	3.2	3.4	4.0	4.6	5.5	7.3	8.1
62°	5.6	4.4	3.9	3.7	3.3	3.3	3.6	4.3	5.3	6.7	7.3
62.5°	5.3	4.1	3.5	3.4	3.1	3.3	3.3	3.6	5.1	5.8	7.3
63°	5.0	3.9	3.4	3.3	2.9	3.1	2.9	3.5	4.9	5.7	6.3
63.5°	4.6	3.5	3.1	3.1	2.6	3.0	2.6	3.5	4.7	5.2	5.8
64°	4.3	3.3	3.0	2.9	2.4	2.8	2.3	3.3	4.3	4.8	5.7
64.5°	4.0	3.1	2.8	2.7	2.2	2.6	2.2	2.6	3.8	4.7	5.0
65°	3.8	2.8	2.7	2.6	2.3	2.4	2.2	2.3	3.4	4.7	4.7
65.5°	3.5	2.7	2.7	2.5	2.2	2.5	2.1	2.2	3.0	4.0	4.7
66°	3.2	2.5	2.4	2.3	2.0	2.5	2.0	2.1	2.5	3.5	4.6
66.5°	2.9	2.4	2.2	2.0	1.1	2.3	1.9	1.9	2.4	3.2	3.6
67°	2.7	2.2	2.0	1.8	0.9	1.3	1.3	1.8	2.4	3.3	3.3



TEST NUMBER: P888016
 CATALOG NUMBER: RLS4099FS1EMBDMR-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	2.6	2.1	1.8	1.6	0.8	1.0	1.1	1.7	2.4	2.7	3.2
68°	2.4	2.0	1.6	1.5	0.7	0.9	0.9	1.2	2.4	2.4	3.1
68.5°	2.1	1.7	1.4	1.4	0.6	0.9	0.9	0.9	2.1	2.4	2.5
69°	1.9	1.7	1.3	1.3	0.5	0.8	0.8	0.9	1.4	2.2	2.4
69.5°	1.8	1.6	1.3	1.1	0.4	0.9	0.7	0.8	1.0	1.9	2.2
70°	1.7	1.4	1.0	1.0	0.1	0.8	0.7	0.7	0.9	1.7	2.1
70.5°	1.7	1.3	0.9	0.9	0.0	0.2	0.6	0.6	0.8	1.4	1.9
71°	1.7	1.1	0.8	0.9	0.0	0.0	0.2	0.5	0.7	1.2	1.7
71.5°	1.6	0.9	0.9	0.8	0.0	0.0	0.0	0.5	0.6	0.9	1.5
72°	1.3	0.9	0.8	0.7	0.0	0.0	0.0	0.1	0.5	0.9	1.3
72.5°	1.1	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.5	0.8	1.2
73°	0.9	0.7	0.6	0.5	0.0	0.0	0.0	0.0	0.4	0.8	1.1
73.5°	0.9	0.6	0.5	0.4	0.0	0.0	0.0	0.0	0.1	0.7	0.9
74°	0.8	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.8
74.5°	0.7	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.9
75°	0.6	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4
75.5°	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
76°	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
76.5°	0.5	0.2	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
77°	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
78°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
78.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P888016
 CATALOG NUMBER: RLS4099FS1EMBDMR-2700K

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: P888016
 CATALOG NUMBER: RLS4099FS1EMBDMR-2700K

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	0.1	0.1	0.0	0.0	0.0	0.0
127°	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0
128°	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0
128.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0
129°	0.0	0.0	0.0	0.0	0.2	0.3	0.1	0.0	0.0	0.0	0.0
129.5°	0.0	0.0	0.0	0.0	0.2	0.3	0.1	0.0	0.1	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.2	0.3	0.1	0.1	0.1	0.0	0.0
130.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.1	0.1	0.0
131°	0.0	0.0	0.0	0.0	0.3	0.3	0.2	0.1	0.1	0.1	0.0
131.5°	0.0	0.0	0.0	0.0	0.4	0.3	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	0.4	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	0.3	0.2	0.1	0.2	0.0
134.5°	0.0	0.0	0.0	0.0	0.5	0.4	0.4	0.2	0.1	0.1	0.0



TEST NUMBER: P888016
 CATALOG NUMBER: RLS4099FS1EMBDMR-2700K

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



TEST NUMBER: P888016
 CATALOG NUMBER: RLS4099FS1EMBDMR-2700K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P888016
CATALOG NUMBER: RLS4099FS1EMBDMR-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
180°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4



TEST NUMBER: P888016
 CATALOG NUMBER: RLS4099FS1EMBDMR-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1627.3	1627.3	1627.3	1627.3	1627.3	1627.3
0.5°	1651.3	1657.1	1655.2	1646.4	1636.9	1625.0
1°	1677.2	1684.2	1680.0	1664.2	1644.8	1620.9
1.5°	1701.0	1709.6	1702.7	1681.0	1650.9	1614.9
2°	1723.8	1734.4	1725.4	1695.6	1654.1	1606.5
2.5°	1744.7	1755.7	1745.8	1708.0	1655.8	1598.7
3°	1764.4	1778.3	1765.1	1719.3	1655.3	1588.3
3.5°	1781.6	1797.9	1780.9	1728.6	1653.5	1575.1
4°	1797.2	1815.9	1796.0	1736.1	1649.9	1561.8
4.5°	1810.1	1831.2	1808.9	1741.3	1645.4	1546.2
5°	1822.5	1844.4	1820.4	1744.8	1638.1	1529.9
5.5°	1832.3	1856.1	1830.4	1746.2	1629.4	1510.1
6°	1840.0	1865.3	1837.5	1746.1	1618.8	1489.9
6.5°	1845.4	1872.4	1842.7	1744.7	1605.0	1468.3
7°	1849.0	1878.5	1845.3	1740.3	1591.4	1445.9
7.5°	1849.6	1882.0	1845.4	1732.4	1576.3	1422.2
8°	1849.5	1882.8	1842.7	1724.0	1560.1	1398.4
8.5°	1847.3	1881.0	1837.6	1712.3	1540.5	1373.3
9°	1842.5	1876.7	1832.2	1700.2	1522.1	1347.0
9.5°	1835.3	1870.1	1824.0	1685.2	1501.4	1319.7
10°	1826.0	1860.7	1813.1	1668.8	1480.3	1292.7
10.5°	1814.5	1849.6	1799.8	1651.4	1456.3	1266.2
11°	1801.3	1837.6	1785.2	1632.3	1431.5	1238.0
11.5°	1785.7	1823.4	1768.3	1609.8	1407.2	1210.1
12°	1767.8	1807.8	1749.9	1587.8	1382.2	1181.1
12.5°	1747.9	1788.5	1727.9	1564.5	1355.5	1150.5
13°	1726.6	1768.4	1706.2	1540.4	1329.3	1121.2
13.5°	1703.5	1746.2	1683.4	1514.6	1301.1	1091.1
14°	1679.6	1724.1	1659.4	1488.5	1271.1	1061.1
14.5°	1653.5	1698.7	1633.7	1460.4	1240.6	1029.5
15°	1626.6	1674.2	1608.2	1431.8	1209.8	998.7
15.5°	1598.5	1647.8	1579.0	1400.5	1178.4	967.9
16°	1570.8	1618.5	1547.9	1369.6	1147.6	936.7
16.5°	1541.6	1588.5	1518.5	1338.3	1116.4	905.6
17°	1511.2	1558.0	1486.5	1306.1	1083.3	873.7
17.5°	1480.3	1527.5	1454.7	1273.4	1052.3	842.7
18°	1448.7	1496.5	1422.0	1239.8	1020.0	811.2
18.5°	1415.4	1463.1	1388.9	1206.3	986.9	782.4
19°	1382.1	1430.0	1356.1	1172.9	953.6	752.9
19.5°	1349.0	1396.5	1321.9	1139.7	921.6	723.1
20°	1316.1	1363.6	1288.0	1107.5	890.6	695.2
20.5°	1281.9	1328.5	1253.2	1075.1	859.1	668.0
21°	1246.7	1294.1	1217.7	1040.2	826.1	640.6
21.5°	1211.8	1258.8	1183.0	1007.1	796.0	614.7
22°	1176.6	1223.7	1148.0	975.3	766.1	588.9



TEST NUMBER: P888016
 CATALOG NUMBER: RLS4099FS1EMBDMR-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1141.5	1188.7	1114.0	942.7	737.2	565.5
23°	1105.7	1151.9	1078.9	910.5	708.5	542.4
23.5°	1070.3	1115.9	1045.0	878.8	680.0	519.7
24°	1036.2	1080.5	1009.5	846.4	652.1	498.0
24.5°	1001.7	1045.1	975.5	815.3	625.3	477.2
25°	967.7	1009.7	940.9	784.2	599.9	456.5
25.5°	934.9	974.6	907.3	755.4	575.9	436.9
26°	901.5	940.1	873.3	725.6	552.6	417.4
26.5°	867.7	905.6	842.4	696.3	529.2	398.7
27°	835.1	871.2	810.5	668.5	507.5	380.4
27.5°	802.9	838.1	779.5	640.8	485.9	362.6
28°	771.6	805.3	747.4	614.7	465.3	346.0
28.5°	740.6	772.8	717.8	589.7	445.7	329.6
29°	710.7	740.9	688.5	565.3	425.8	313.9
29.5°	680.1	711.3	660.9	541.8	406.9	298.3
30°	651.2	680.9	633.4	518.1	388.1	283.3
30.5°	624.2	652.9	606.7	496.5	370.5	269.3
31°	596.8	624.6	579.8	475.5	353.5	255.7
31.5°	570.7	597.8	555.3	454.8	336.9	242.1
32°	545.4	570.8	531.9	434.6	320.9	229.2
32.5°	522.1	546.9	509.0	415.4	305.1	216.9
33°	499.2	522.6	487.0	396.4	289.5	205.0
33.5°	476.5	499.2	464.7	378.2	274.6	193.5
34°	454.7	476.6	444.0	360.0	260.8	182.9
34.5°	433.8	455.4	424.2	342.9	246.8	172.5
35°	414.3	434.8	404.9	326.5	233.9	162.8
35.5°	395.5	415.2	385.8	310.7	221.7	153.3
36°	375.8	395.4	367.1	295.2	209.7	145.1
36.5°	357.3	376.2	349.4	279.3	197.5	136.4
37°	339.4	358.3	332.6	264.7	186.4	128.5
37.5°	322.6	341.3	316.3	250.7	175.7	120.3
38°	306.5	324.8	300.7	237.2	166.0	112.9
38.5°	290.7	308.5	285.0	224.1	156.0	105.7
39°	275.5	293.3	270.0	212.1	147.1	99.1
39.5°	261.1	278.2	255.9	199.9	138.3	92.8
40°	246.5	263.8	242.2	188.3	129.6	87.2
40.5°	233.1	250.3	229.2	177.0	121.4	81.8
41°	220.0	237.1	217.1	166.7	113.7	76.6
41.5°	207.6	224.8	205.1	156.8	106.2	71.4
42°	196.1	213.1	193.6	147.2	99.0	67.1
42.5°	184.8	201.4	182.6	138.0	92.5	62.7
43°	174.0	190.4	172.4	129.6	86.1	58.4
43.5°	163.6	179.2	162.4	121.2	80.5	54.5
44°	153.8	169.1	153.1	113.4	74.9	50.6
44.5°	144.4	159.4	144.4	105.6	69.8	46.8



TEST NUMBER: P888016
 CATALOG NUMBER: RLS4099FS1EMBDMR-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	135.4	150.5	136.1	98.8	65.2	43.4
45.5°	127.4	141.3	127.9	92.0	60.8	40.6
46°	119.5	133.1	120.2	85.8	56.6	38.0
46.5°	111.9	124.9	112.4	80.1	52.7	35.5
47°	104.8	117.1	105.1	74.6	48.9	33.2
47.5°	97.9	109.5	98.4	69.5	45.3	30.8
48°	91.4	102.3	92.0	65.0	42.3	28.8
48.5°	85.0	95.3	85.9	60.6	39.3	27.2
49°	79.0	88.9	79.9	56.2	36.7	25.6
49.5°	73.4	82.8	74.5	52.3	34.2	24.1
50°	68.3	77.2	69.4	48.4	31.9	22.9
50.5°	63.3	71.8	64.4	44.6	29.9	21.4
51°	58.7	66.8	59.9	41.2	28.0	20.5
51.5°	54.4	62.0	55.5	38.5	26.2	19.2
52°	50.5	57.2	51.4	35.8	24.6	18.1
52.5°	46.5	52.6	47.3	33.4	23.2	17.1
53°	42.4	47.8	43.2	31.0	21.9	16.2
53.5°	38.4	42.9	39.0	28.6	20.6	15.4
54°	34.3	38.7	35.2	26.5	19.2	14.5
54.5°	30.9	34.9	31.7	24.3	17.9	13.8
55°	28.1	31.7	28.8	22.8	16.7	13.0
55.5°	25.7	28.8	26.6	21.2	15.8	12.5
56°	23.7	26.5	24.6	19.9	14.8	11.7
56.5°	21.8	24.7	22.8	18.7	13.9	11.1
57°	20.1	22.5	20.9	17.5	13.1	10.5
57.5°	18.4	20.7	19.4	16.4	12.4	10.0
58°	17.1	19.1	17.8	15.3	11.5	9.3
58.5°	15.8	17.6	16.5	14.3	10.9	8.7
59°	14.6	16.4	15.2	13.4	10.2	8.3
59.5°	13.5	15.0	14.1	12.6	9.5	7.8
60°	12.5	13.9	13.0	11.7	9.0	7.3
60.5°	12.0	12.9	11.9	11.0	8.3	6.9
61°	10.6	11.9	11.1	10.2	7.7	6.5
61.5°	9.8	11.1	10.4	9.6	7.2	5.9
62°	9.5	10.3	9.7	8.9	6.7	5.6
62.5°	8.5	9.8	9.0	8.3	6.3	5.3
63°	8.2	8.9	8.4	7.7	5.9	5.0
63.5°	7.3	8.3	7.9	7.3	5.6	4.6
64°	7.3	7.7	7.5	6.7	5.2	4.3
64.5°	6.5	7.3	6.8	6.4	4.8	4.0
65°	5.8	6.6	6.4	5.9	4.5	3.8
65.5°	5.6	6.1	5.9	5.5	4.2	3.5
66°	4.8	5.6	5.4	5.2	3.9	3.2
66.5°	4.8	5.2	5.1	4.7	3.6	2.9
67°	4.8	5.0	4.7	4.3	3.4	2.7



TEST NUMBER: P888016
 CATALOG NUMBER: RLS4099FS1EMBDMR-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	3.7	4.3	4.4	4.1	3.2	2.6
68°	3.3	4.0	4.0	3.8	2.9	2.4
68.5°	3.2	3.7	3.7	3.5	2.8	2.1
69°	2.7	3.3	3.3	3.2	2.6	1.9
69.5°	2.5	3.1	3.2	3.1	2.4	1.8
70°	2.5	2.9	3.0	2.7	2.1	1.7
70.5°	2.4	2.6	2.7	2.5	1.8	1.7
71°	2.5	2.5	2.5	2.3	1.7	1.7
71.5°	2.3	2.2	2.3	2.2	1.6	1.6
72°	1.2	1.9	1.9	2.0	1.5	1.3
72.5°	0.9	1.8	1.8	1.8	1.3	1.1
73°	0.7	1.5	1.6	1.6	1.3	0.9
73.5°	0.8	1.5	1.3	1.5	1.0	0.9
74°	0.7	1.4	1.3	1.4	1.0	0.8
74.5°	0.6	1.3	1.2	1.3	0.9	0.7
75°	0.4	1.2	1.2	1.3	0.9	0.6
75.5°	0.2	1.1	1.1	1.2	0.8	0.6
76°	0.1	1.0	1.1	1.1	0.7	0.5
76.5°	0.0	0.9	0.9	1.0	0.7	0.5
77°	0.0	0.8	0.9	0.9	0.6	0.3
77.5°	0.0	0.8	0.7	0.8	0.6	0.4
78°	0.0	0.5	0.6	0.7	0.5	0.2
78.5°	0.0	0.5	0.5	0.6	0.3	0.2
79°	0.0	0.5	0.4	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: P888016
 CATALOG NUMBER: RLS4099FS1EMBDNR-2700K

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: P888016
 CATALOG NUMBER: RLS4099FS1EMBDNR-2700K

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: P888016
 CATALOG NUMBER: RLS4099FS1EMBDNR-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
135°	0.0	0.0	0.0	0.0	0.0	0.0
135.5°	0.0	0.0	0.0	0.0	0.0	0.0
136°	0.0	0.0	0.0	0.0	0.0	0.0
136.5°	0.0	0.0	0.0	0.0	0.0	0.0
137°	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0
138°	0.1	0.0	0.0	0.0	0.0	0.0
138.5°	0.1	0.0	0.0	0.0	0.0	0.0
139°	0.1	0.0	0.0	0.0	0.0	0.0
139.5°	0.1	0.0	0.0	0.0	0.0	0.0
140°	0.1	0.0	0.0	0.0	0.0	0.0
140.5°	0.2	0.0	0.0	0.0	0.0	0.0
141°	0.2	0.0	0.0	0.0	0.0	0.0
141.5°	0.2	0.0	0.0	0.0	0.0	0.0
142°	0.2	0.0	0.0	0.0	0.0	0.0
142.5°	0.2	0.0	0.0	0.0	0.0	0.0
143°	0.2	0.0	0.0	0.0	0.0	0.0
143.5°	0.2	0.0	0.0	0.0	0.0	0.0
144°	0.2	0.0	0.0	0.0	0.0	0.0
144.5°	0.3	0.0	0.0	0.0	0.0	0.0
145°	0.3	0.0	0.0	0.0	0.0	0.0
145.5°	0.4	0.0	0.0	0.0	0.0	0.0
146°	0.4	0.0	0.0	0.0	0.0	0.0
146.5°	0.4	0.0	0.0	0.0	0.0	0.0
147°	0.4	0.0	0.0	0.0	0.0	0.0
147.5°	0.5	0.0	0.0	0.0	0.1	0.0
148°	0.5	0.0	0.0	0.0	0.1	0.0
148.5°	0.5	0.0	0.0	0.0	0.1	0.0
149°	0.6	0.0	0.0	0.0	0.1	0.0
149.5°	0.6	0.0	0.0	0.0	0.1	0.0
150°	0.6	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°	0.7	0.0	0.0	0.0	0.1	0.0
151.5°	0.8	0.0	0.0	0.0	0.1	0.0
152°	0.7	0.0	0.0	0.0	0.1	0.2
152.5°	0.9	0.0	0.1	0.0	0.1	0.3
153°	0.9	0.0	0.1	0.0	0.1	0.4
153.5°	0.9	0.0	0.0	0.0	0.1	0.5
154°	1.0	0.0	0.0	0.0	0.2	0.7
154.5°	1.0	0.0	0.0	0.0	0.1	0.7
155°	1.0	0.0	0.0	0.0	0.1	0.7
155.5°	1.2	0.0	0.0	0.0	0.2	0.8
156°	1.1	0.0	0.0	0.0	0.5	0.8
156.5°	1.3	0.0	0.0	0.1	0.7	0.8
157°	1.4	0.0	0.0	0.2	0.7	0.8



TEST NUMBER: P888016
 CATALOG NUMBER: RLS4099FS1EMBDMR-2700K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P888016
CATALOG NUMBER: RLS4099FS1EMBDMR-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
180°	2.4	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)