

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: McGRAW-EDISON

Report Number: P645329 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1C-750-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645329 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA1C-750-U-LAM-VSR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

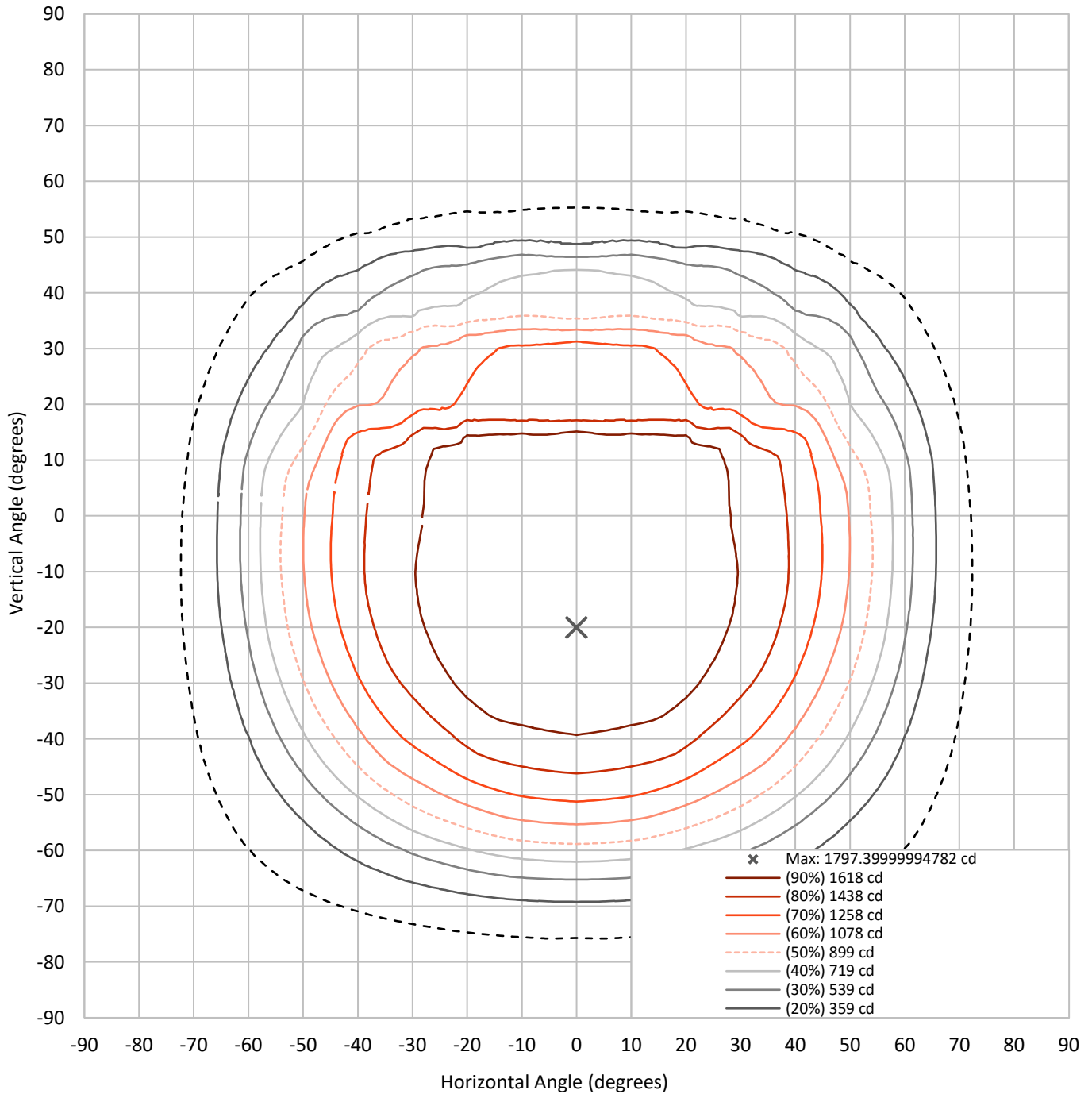
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	4214.7 lumens	Max Intensity:	1797.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	96.9 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	3294.8 lumens	Field Lumens:	4130.9 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	43.5		
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:	25 FT		



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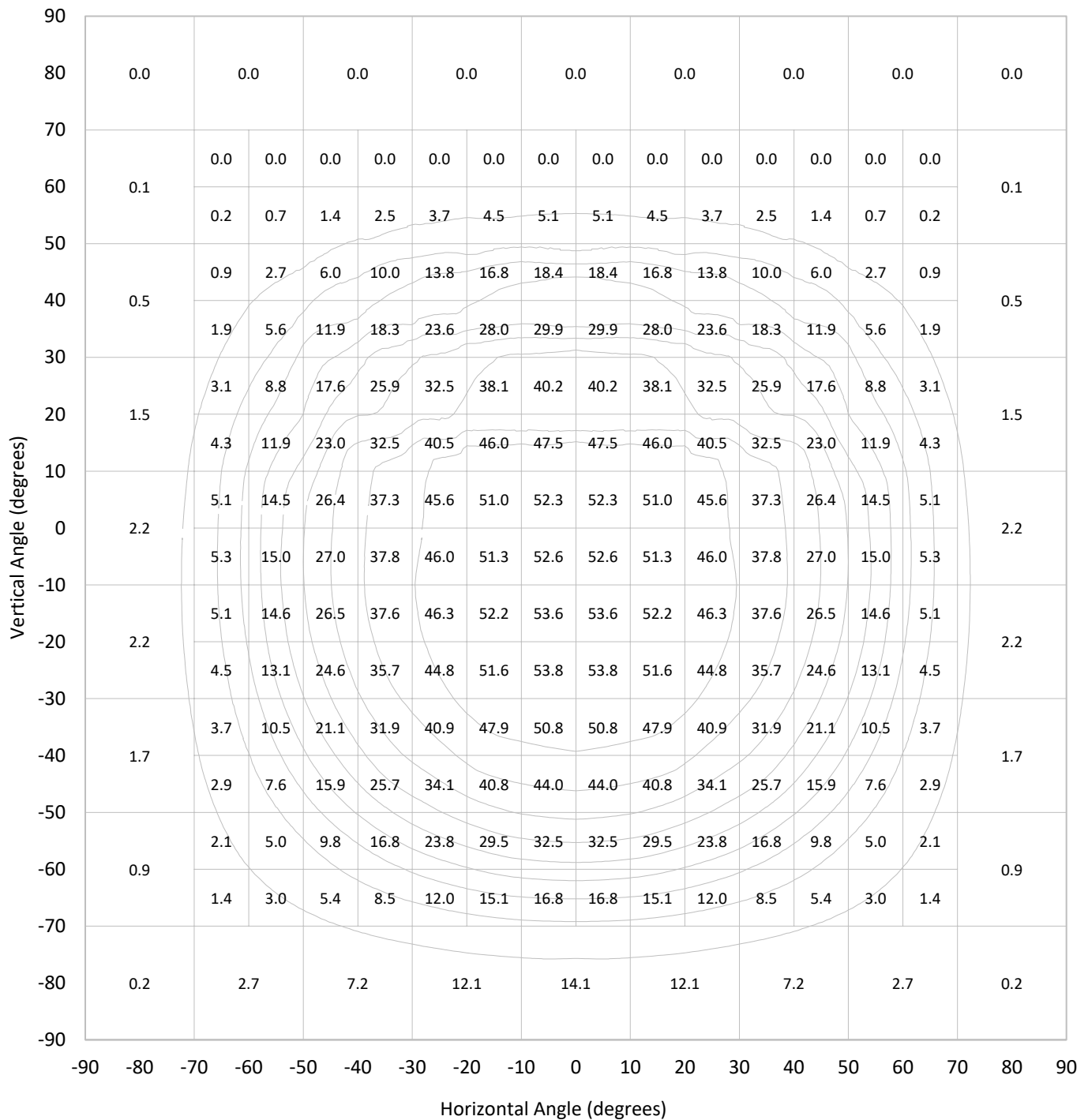
Iso-Candela Plot





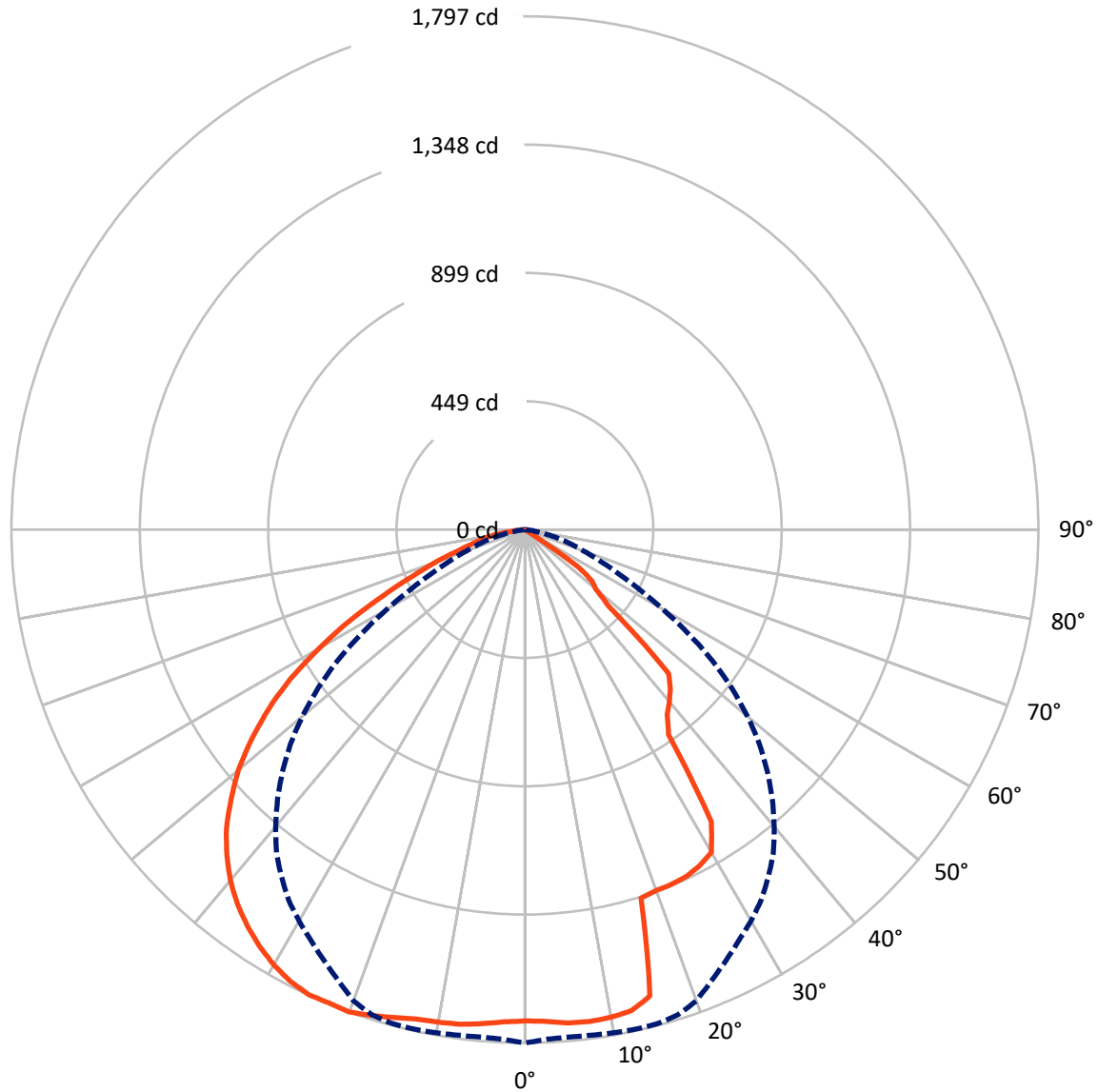
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Lumen Table



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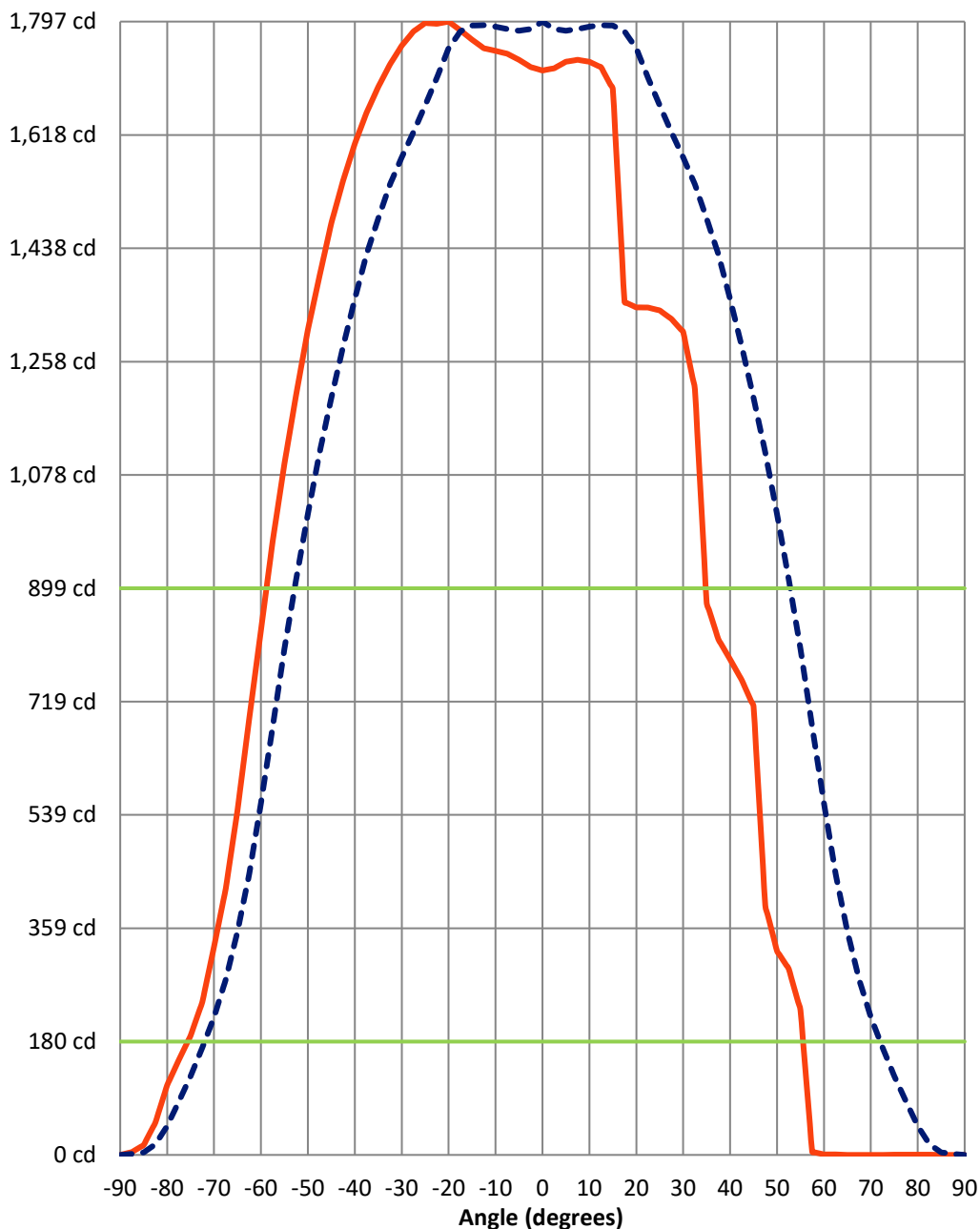
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 3294.8
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 4130.9
 Efficiency: 98.0%

Spill:
 Lumens: 83.7
 Efficiency: 2.0%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through -20-Deg

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Scaled Data Report



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3
82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.5	0.4
80°	0.0	0.2	0.3	0.4	0.6	0.7	0.8	0.7	0.6	0.5	0.4
77.5°	0.0	0.2	0.3	0.5	0.7	0.8	0.8	0.7	0.6	0.5	0.4
75°	0.0	0.3	0.4	0.6	0.8	0.8	0.8	0.7	0.6	0.5	0.4
72.5°	0.0	0.3	0.5	0.7	0.8	0.9	0.8	0.7	0.6	0.5	0.4
70°	0.0	0.3	0.6	0.8	0.9	0.9	0.8	0.7	0.6	0.6	0.6
67.5°	0.0	0.4	0.6	0.8	0.9	0.9	0.9	0.8	0.7	0.9	0.9
65°	0.0	0.4	0.7	0.9	1.0	1.1	1.1	0.8	1.0	1.2	1.5
62.5°	0.0	0.5	0.8	0.9	1.0	1.3	1.2	1.1	1.4	2.1	3.4
60°	0.0	0.5	0.9	1.0	1.1	1.6	1.4	1.5	1.9	5.3	5.8
57.5°	0.0	0.6	0.9	1.0	1.3	1.9	2.6	2.1	5.2	9.1	10.5
55°	0.0	0.6	0.9	1.1	1.7	2.2	4.2	3.3	9.7	14.0	17.1
52.5°	0.0	0.6	1.0	1.1	2.0	2.8	6.0	8.4	14.5	22.0	24.7
50°	0.0	0.7	1.0	1.1	2.3	4.8	8.1	14.2	20.8	30.8	38.6
47.5°	0.0	0.7	1.1	1.2	2.7	6.9	10.9	20.3	30.0	40.5	52.7
45°	0.0	0.7	1.1	1.5	3.1	9.1	16.4	26.7	40.2	52.8	66.5
42.5°	0.0	0.8	1.2	1.8	3.4	11.6	22.1	34.7	50.6	64.8	82.4
40°	0.0	0.8	1.2	2.2	4.6	14.1	27.9	43.9	61.4	76.5	99.4
37.5°	0.0	0.9	1.3	2.6	6.6	16.8	33.8	53.1	72.6	90.6	117.2
35°	0.0	0.9	1.3	3.1	8.7	20.9	39.8	62.3	84.1	107.9	138.2
32.5°	0.0	0.9	1.4	3.7	10.7	25.6	46.3	71.4	95.6	125.4	163.7
30°	0.0	1.0	1.4	4.3	12.8	30.3	53.7	80.6	107.3	142.9	188.2
27.5°	0.0	1.0	1.4	5.0	15.4	34.9	61.0	90.3	120.2	160.3	211.5
25°	0.0	1.0	1.5	5.6	18.0	39.5	68.1	99.8	134.7	179.4	233.8
22.5°	0.0	1.0	1.5	6.4	20.6	44.2	75.0	109.1	148.9	198.4	256.4
20°	0.0	1.1	1.6	7.1	23.2	49.2	81.7	118.3	162.7	216.4	278.4
17.5°	0.0	1.1	1.6	7.8	25.8	54.0	88.3	127.2	176.1	233.2	299.8
15°	0.0	1.1	1.7	8.6	28.3	58.7	94.7	135.5	189.0	248.9	320.3
12.5°	0.0	1.1	1.7	9.3	30.7	63.1	100.6	142.9	199.3	263.5	339.8
10°	0.0	1.1	1.8	10.1	33.0	67.3	106.1	149.7	207.0	272.2	355.7
7.5°	0.0	1.2	1.8	10.8	35.1	71.2	111.2	155.9	213.5	279.0	365.0
5°	0.0	1.2	1.8	11.5	37.2	74.8	115.8	161.5	218.9	284.4	372.5
2.5°	0.0	1.2	1.9	12.1	39.0	78.1	119.9	166.5	223.3	288.6	378.3
0°	0.0	1.2	1.9	12.7	40.7	81.0	123.6	170.8	226.8	291.6	382.2
-2.5°	0.0	1.3	2.2	13.5	42.2	82.8	125.4	173.3	228.0	295.4	384.8
-5°	0.0	1.3	2.5	14.3	43.6	84.3	126.7	175.1	228.5	297.8	385.6
-7.5°	0.0	1.4	2.8	14.9	44.6	85.4	127.6	176.3	228.2	298.8	384.8
-10°	0.0	1.4	3.1	15.5	45.5	86.0	127.9	176.7	227.2	298.2	382.3
-12.5°	0.0	1.5	3.3	16.0	46.0	86.3	127.9	176.4	225.6	295.8	378.1
-15°	0.0	1.5	3.6	16.4	46.3	86.2	127.4	175.4	223.8	291.1	372.0
-17.5°	0.0	1.6	3.8	16.7	46.2	85.6	126.4	173.3	221.6	285.3	364.1
-20°	0.0	1.6	4.0	16.9	45.9	84.7	125.0	170.2	218.5	278.3	354.3



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 CATALOG NUMBER: GFLD-SA1C-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	1.6	4.2	16.9	45.2	83.4	122.9	166.6	214.5	270.3	342.7
-25°	0.0	1.7	4.4	16.8	44.3	81.4	120.3	162.4	209.5	261.2	329.3
-27.5°	0.0	1.7	4.5	16.6	43.0	78.9	117.3	157.6	203.6	252.4	317.4
-30°	0.0	1.7	4.6	16.3	41.4	76.1	113.7	152.3	197.1	245.0	304.7
-32.5°	0.0	1.7	4.7	15.8	39.5	72.9	109.7	147.4	190.2	236.4	291.1
-35°	0.0	1.7	4.8	15.2	37.4	69.4	105.4	142.2	182.7	226.7	276.7
-37.5°	0.0	1.7	4.8	14.4	35.1	65.9	100.7	136.5	174.8	215.8	262.4
-40°	0.0	1.7	4.8	13.5	32.6	62.7	95.7	130.2	166.3	205.5	248.4
-42.5°	0.0	1.6	4.8	12.5	30.7	59.2	90.3	123.4	158.1	194.7	233.2
-45°	0.0	1.6	4.8	11.6	29.4	55.6	84.6	116.3	149.7	183.1	217.5
-47.5°	0.0	1.6	4.7	10.4	27.8	51.7	78.6	109.3	140.7	171.0	203.9
-50°	0.0	1.5	4.6	10.1	26.1	47.7	73.5	101.9	130.8	159.9	189.7
-52.5°	0.0	1.5	4.4	9.9	24.1	43.4	68.5	94.1	121.2	148.4	175.2
-55°	0.0	1.4	4.2	9.6	21.9	40.2	63.2	86.3	111.7	136.6	162.2
-57.5°	0.0	1.3	4.0	9.1	19.5	36.9	57.8	80.1	101.8	125.3	149.0
-60°	0.0	1.2	3.8	8.6	16.9	33.4	52.3	73.2	91.9	113.9	135.8
-62.5°	0.0	1.2	3.6	8.0	15.7	29.5	47.2	65.8	82.8	102.2	122.8
-65°	0.0	1.1	3.3	7.3	14.4	25.4	41.8	58.1	73.1	90.4	109.5
-67.5°	0.0	1.0	3.0	6.5	12.8	22.0	36.1	50.4	62.9	78.1	95.2
-70°	0.0	0.9	2.7	5.7	11.2	19.2	30.0	42.5	53.8	65.3	80.0
-72.5°	0.0	0.8	2.4	5.0	9.4	16.3	25.4	34.5	44.5	54.7	65.0
-75°	0.0	0.7	2.1	4.3	7.5	13.1	20.8	27.8	35.0	43.9	52.9
-77.5°	0.0	0.6	1.8	3.7	6.2	9.9	15.9	21.5	27.3	33.5	40.6
-80°	0.0	0.5	1.4	3.0	5.0	7.5	10.9	15.1	19.5	24.4	29.6
-82.5°	0.0	0.4	1.1	2.2	3.8	5.7	8.0	9.7	11.7	15.1	18.8
-85°	0.0	0.2	0.7	1.5	2.5	3.8	5.4	6.5	7.6	8.8	10.0
-87.5°	0.0	0.1	0.4	0.7	1.3	1.9	2.7	3.2	3.8	4.4	5.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: GFLD-SA1C-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.6	0.6	0.6	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4
67.5°	0.8	0.7	0.6	0.5	0.6	0.6	0.6	0.5	0.4	0.4	0.4
65°	0.8	0.7	1.0	1.1	0.8	0.7	0.6	0.5	0.5	0.6	0.6
62.5°	1.2	1.5	1.9	3.3	2.5	0.7	1.3	1.5	1.1	0.9	1.0
60°	3.8	2.6	7.6	10.9	6.8	2.5	3.0	10.0	8.7	1.6	5.4
57.5°	7.9	10.8	19.9	20.3	14.0	9.7	28.1	32.5	24.6	14.4	22.0
55°	17.4	26.7	33.0	30.6	33.4	50.5	60.0	53.9	45.4	69.9	89.3
52.5°	33.9	43.4	45.5	52.3	74.9	86.0	82.4	88.1	114.3	142.0	148.0
50°	50.0	57.8	63.9	92.3	110.0	111.1	119.3	145.2	180.1	197.1	193.0
47.5°	65.6	73.7	101.9	129.3	137.2	148.0	168.5	218.5	255.5	256.3	252.1
45°	82.1	103.6	139.7	157.5	170.4	191.4	240.8	309.9	313.5	323.5	385.1
42.5°	99.8	137.5	168.9	187.5	208.2	247.4	313.5	358.8	374.3	418.2	467.8
40°	128.4	170.2	197.6	221.3	248.0	305.2	377.6	420.0	432.6	470.6	507.9
37.5°	157.4	197.4	228.2	256.8	293.8	371.0	454.8	489.7	496.1	503.1	585.7
35°	185.3	225.4	262.2	299.7	345.1	456.3	529.4	562.3	561.3	608.2	694.7
32.5°	211.4	254.0	297.4	347.5	422.5	536.4	609.5	629.3	659.1	727.4	845.4
30°	237.5	285.9	335.8	395.4	490.4	589.1	672.7	704.4	755.5	833.4	919.4
27.5°	264.4	318.6	378.9	448.8	544.0	634.8	706.1	781.8	831.5	901.3	962.5
25°	291.1	353.2	421.5	495.5	582.3	666.9	740.7	828.1	881.5	937.8	994.9
22.5°	319.2	388.3	465.5	532.5	614.7	694.3	782.1	876.9	946.4	982.2	1020.4
20°	348.5	426.3	508.6	582.9	646.6	719.6	823.6	938.9	1028.5	1068.8	1074.0
17.5°	377.4	463.1	551.6	632.0	700.7	765.7	867.3	1013.1	1124.6	1162.0	1178.6
15°	405.5	498.5	594.3	679.8	755.2	834.7	943.2	1091.5	1218.9	1260.3	1286.5
12.5°	432.7	532.3	636.4	726.1	809.8	899.0	1012.2	1147.9	1264.2	1344.3	1392.3
10°	458.6	564.1	677.2	770.4	863.7	958.6	1069.2	1189.9	1284.6	1361.8	1430.0
7.5°	471.7	585.0	712.3	812.7	916.3	1013.7	1115.9	1219.5	1299.3	1375.0	1440.9
5°	480.6	593.5	723.3	827.4	944.2	1050.4	1149.7	1239.0	1308.9	1383.9	1448.3
2.5°	487.0	599.1	730.7	835.4	954.7	1061.7	1159.4	1245.5	1316.8	1390.3	1456.3
0°	490.8	601.7	734.5	840.4	961.3	1069.1	1165.0	1247.9	1322.0	1393.4	1464.4
-2.5°	493.0	609.8	737.0	853.1	967.6	1075.5	1172.9	1253.9	1331.2	1399.2	1470.3
-5°	492.7	614.6	736.3	861.7	970.7	1078.0	1176.9	1256.6	1336.2	1403.5	1472.7
-7.5°	490.1	615.7	733.0	864.3	970.8	1077.2	1175.1	1257.8	1336.2	1407.5	1473.0
-10°	485.3	611.3	729.9	857.4	967.1	1072.8	1169.9	1255.0	1333.0	1406.7	1471.7
-12.5°	479.7	602.4	723.5	847.4	959.5	1064.6	1161.8	1247.8	1327.2	1400.6	1468.8
-15°	471.2	590.4	713.0	834.8	948.0	1052.8	1151.4	1236.1	1318.2	1390.1	1460.1
-17.5°	459.9	575.6	698.2	819.7	932.5	1037.2	1137.9	1220.6	1302.3	1376.6	1444.1
-20°	445.6	558.1	679.0	802.6	912.8	1016.4	1114.0	1200.6	1281.8	1357.4	1428.3

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Scaled Data Report



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	428.3	537.9	655.9	779.5	888.2	990.7	1087.1	1175.0	1259.2	1332.3	1407.9
-25°	411.0	516.7	630.3	747.6	859.6	961.7	1058.3	1144.1	1230.1	1306.2	1377.9
-27.5°	394.4	492.0	600.6	712.4	827.3	928.9	1024.6	1110.4	1193.9	1277.1	1346.2
-30°	375.8	463.4	568.0	674.8	786.8	890.3	986.8	1075.7	1155.2	1237.3	1311.6
-32.5°	355.3	433.1	533.7	636.4	742.0	847.8	943.3	1031.7	1114.4	1192.0	1270.0
-35°	335.2	408.6	497.3	595.1	694.5	798.3	893.9	981.5	1067.2	1144.2	1218.6
-37.5°	317.1	382.1	458.6	552.0	647.0	745.1	842.5	927.2	1008.8	1093.4	1166.0
-40°	297.6	353.6	425.0	507.6	597.2	690.5	783.6	871.4	948.1	1031.6	1111.5
-42.5°	277.1	330.4	391.9	460.6	545.2	633.1	723.0	808.8	888.6	967.4	1046.5
-45°	259.2	305.9	358.3	421.1	489.9	572.6	657.7	743.2	819.8	894.9	973.0
-47.5°	240.1	281.2	329.7	379.8	439.6	508.8	588.9	667.7	746.0	817.5	886.7
-50°	221.1	259.0	298.8	344.0	393.3	449.4	515.9	589.2	660.7	734.2	802.6
-52.5°	204.8	235.7	271.6	309.3	351.6	398.0	451.2	511.4	576.5	638.8	707.1
-55°	187.8	215.7	244.7	277.9	313.0	352.2	395.8	446.4	496.1	553.7	609.5
-57.5°	172.3	195.8	220.6	248.0	278.5	309.9	348.0	387.4	432.4	477.2	521.3
-60°	157.7	176.9	197.9	221.1	245.7	273.6	302.1	335.9	372.1	407.9	445.3
-62.5°	143.0	159.2	176.3	195.5	217.0	238.1	262.4	288.4	315.1	345.4	374.9
-65°	127.9	140.9	155.4	171.4	188.5	206.5	225.2	244.4	267.1	289.3	310.8
-67.5°	111.8	123.0	134.7	147.3	161.6	175.7	189.8	206.1	222.8	239.2	256.3
-70°	94.0	104.5	114.3	124.5	135.2	146.2	158.3	170.2	182.0	194.3	208.0
-72.5°	75.9	85.6	94.2	101.7	110.5	119.7	128.4	136.8	145.8	155.1	164.3
-75°	60.5	66.9	74.6	81.7	88.6	95.1	100.9	108.0	115.4	122.2	127.8
-77.5°	47.3	53.1	58.3	63.1	68.6	75.1	80.7	85.5	90.2	95.4	100.8
-80°	34.4	39.2	44.0	48.4	51.6	55.2	59.6	64.5	68.8	72.3	75.5
-82.5°	22.2	25.7	29.3	32.9	34.4	35.4	36.3	38.0	40.7	43.3	45.8
-85°	11.1	12.1	14.3	16.5	17.3	17.8	18.2	18.4	19.3	20.1	20.8
-87.5°	5.5	6.0	6.6	7.1	6.8	6.4	6.0	5.5	5.3	5.2	5.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645329 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.0
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
65°	0.6	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.3	0.2
62.5°	1.0	1.1	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.7
60°	6.0	3.6	2.1	2.5	2.2	1.5	1.9	2.2	2.2	2.0	1.8
57.5°	33.4	24.9	18.5	44.1	44.2	21.1	25.4	39.9	32.9	10.8	10.0
55°	92.8	111.0	146.1	138.8	141.0	162.2	177.1	156.8	153.7	163.7	189.2
52.5°	166.7	184.1	195.9	206.9	220.3	234.8	249.6	259.1	268.0	277.4	283.0
50°	212.9	237.3	254.1	247.9	282.7	296.9	282.5	295.4	311.2	315.5	317.5
47.5°	314.3	350.2	357.3	380.4	401.1	400.7	383.1	384.1	431.0	472.3	492.6
45°	451.7	452.9	475.5	516.2	545.4	536.2	560.8	616.7	635.3	653.3	668.1
42.5°	505.3	527.4	563.4	599.4	621.2	640.0	658.2	678.8	702.9	722.5	738.2
40°	557.1	575.0	611.8	640.8	658.8	676.4	697.6	720.4	742.5	759.7	771.5
37.5°	636.9	650.7	659.7	686.6	720.7	705.0	745.3	774.1	787.3	804.8	806.4
35°	757.6	748.4	736.4	843.7	850.1	813.9	851.6	896.3	872.7	921.8	948.2
32.5°	864.6	863.2	956.9	1013.3	980.8	1007.3	1094.1	1090.2	1148.1	1174.9	1167.3
30°	965.4	999.8	1054.0	1096.0	1101.6	1143.4	1181.9	1215.7	1250.6	1281.9	1284.0
27.5°	1016.6	1061.5	1098.2	1122.6	1149.7	1184.8	1219.8	1257.8	1287.5	1307.2	1311.9
25°	1047.6	1093.4	1121.2	1147.4	1177.3	1207.7	1246.8	1288.2	1312.1	1324.2	1328.1
22.5°	1074.8	1116.0	1146.0	1167.2	1199.4	1232.0	1268.5	1303.6	1329.5	1334.8	1336.8
20°	1101.1	1140.7	1190.7	1221.9	1220.4	1257.1	1292.3	1320.2	1341.8	1341.7	1342.2
17.5°	1177.1	1191.2	1282.0	1350.8	1316.7	1298.8	1395.5	1397.3	1403.1	1391.6	1366.9
15°	1289.6	1315.4	1426.8	1501.4	1477.9	1476.7	1616.5	1581.8	1611.6	1603.8	1637.4
12.5°	1408.8	1439.3	1522.6	1595.8	1630.8	1639.4	1686.0	1729.8	1738.8	1735.2	1728.6
10°	1490.0	1533.4	1566.9	1611.4	1646.6	1682.5	1709.6	1741.0	1751.2	1745.3	1736.9
7.5°	1500.6	1543.5	1582.8	1621.8	1655.3	1684.3	1712.4	1738.0	1748.4	1744.9	1739.2
5°	1507.3	1546.2	1584.3	1623.8	1655.9	1682.7	1710.7	1736.7	1742.8	1738.7	1733.0
2.5°	1511.5	1547.4	1584.1	1623.5	1652.7	1678.2	1706.5	1734.2	1734.1	1732.3	1729.0
0°	1513.5	1549.5	1592.1	1627.8	1660.4	1684.6	1712.6	1739.5	1737.6	1732.6	1726.8
-2.5°	1517.8	1554.3	1597.8	1627.4	1664.1	1686.3	1715.3	1738.5	1737.6	1735.2	1732.3
-5°	1521.6	1562.7	1603.4	1634.5	1671.4	1700.3	1729.1	1747.3	1748.3	1744.9	1740.1
-7.5°	1524.0	1569.5	1608.4	1639.6	1675.4	1709.0	1738.2	1757.3	1757.7	1753.2	1747.4
-10°	1523.2	1571.3	1611.3	1643.5	1680.2	1713.4	1743.9	1768.1	1767.3	1763.0	1758.1
-12.5°	1520.3	1568.4	1609.4	1641.8	1683.4	1717.6	1751.9	1776.0	1777.2	1774.0	1768.7
-15°	1514.0	1563.6	1603.5	1638.9	1679.6	1719.6	1754.9	1781.5	1786.2	1783.5	1779.4
-17.5°	1501.5	1553.9	1596.2	1634.3	1673.3	1716.0	1756.1	1785.2	1791.6	1790.6	1787.1
-20°	1485.0	1539.1	1582.0	1622.0	1664.5	1708.4	1755.1	1781.7	1791.1	1791.7	1789.3

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645329 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1C-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1466.6	1519.5	1565.1	1604.3	1650.5	1695.0	1737.2	1768.3	1784.1	1787.1	1787.3
-25°	1444.5	1498.9	1544.2	1585.9	1628.8	1674.8	1717.5	1752.2	1768.2	1775.9	1778.3
-27.5°	1413.3	1469.5	1514.0	1558.2	1601.9	1649.3	1694.2	1731.9	1745.0	1755.5	1759.7
-30°	1376.8	1432.3	1477.7	1518.1	1568.1	1616.4	1662.8	1695.7	1715.3	1727.3	1733.9
-32.5°	1334.7	1390.8	1438.4	1480.6	1528.1	1576.5	1620.1	1654.8	1681.8	1695.7	1702.7
-35°	1289.1	1346.3	1396.2	1440.6	1485.3	1531.5	1576.6	1613.0	1643.8	1655.7	1664.5
-37.5°	1234.0	1297.2	1348.4	1394.2	1436.6	1480.0	1527.0	1568.6	1598.5	1610.1	1619.4
-40°	1177.6	1238.7	1290.3	1339.2	1381.2	1428.4	1473.8	1517.3	1543.3	1556.8	1567.3
-42.5°	1118.1	1173.2	1222.3	1269.8	1316.6	1365.3	1410.5	1455.7	1478.2	1494.5	1507.4
-45°	1049.3	1100.6	1148.3	1192.8	1240.9	1288.9	1334.2	1374.2	1400.9	1422.0	1438.5
-47.5°	957.6	1020.1	1068.0	1110.3	1158.1	1204.3	1248.2	1285.8	1315.2	1339.9	1359.0
-50°	864.6	924.5	978.5	1026.0	1070.4	1113.1	1154.9	1191.6	1222.7	1249.6	1268.9
-52.5°	772.9	829.1	882.7	931.7	974.3	1014.6	1052.9	1089.9	1122.6	1151.3	1170.0
-55°	669.3	727.5	780.5	826.2	868.8	908.7	946.5	981.5	1013.8	1043.0	1060.9
-57.5°	572.1	623.2	672.5	714.7	754.9	792.9	828.7	862.3	893.3	920.8	938.1
-60°	482.8	520.0	562.4	601.4	637.0	669.3	702.8	734.1	762.6	786.8	802.9
-62.5°	403.8	434.7	465.3	494.9	523.8	552.9	580.8	606.8	630.6	650.4	664.6
-65°	333.5	358.3	380.4	401.4	421.4	444.3	465.6	485.6	504.1	519.3	530.1
-67.5°	274.6	292.1	307.4	321.8	337.6	353.7	368.9	382.1	393.4	402.4	409.5
-70°	221.5	234.3	245.8	257.3	268.8	279.4	289.4	299.1	308.4	315.9	321.6
-72.5°	173.5	182.2	190.1	198.9	207.2	215.2	222.1	227.7	232.1	236.3	240.1
-75°	132.2	138.8	147.7	155.2	161.4	166.9	171.9	176.3	180.3	183.7	186.8
-77.5°	106.3	111.9	117.6	123.1	128.4	132.3	135.9	139.6	143.1	146.2	149.0
-80°	78.8	83.0	87.4	91.8	96.1	98.3	100.0	101.6	103.1	104.9	106.6
-82.5°	48.2	50.6	53.0	55.5	57.9	58.5	58.7	58.6	58.3	57.6	56.6
-85°	21.4	21.6	21.5	21.3	20.9	20.0	19.0	17.8	16.4	16.2	15.9
-87.5°	4.8	4.6	4.5	4.3	4.2	4.2	4.1	4.1	4.1	4.2	4.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645329 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.1
85°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.2	0.0	0.2	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.2	0.0	0.2	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.4	0.4
65°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.5
62.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8
60°	1.4	0.9	0.8	0.8	0.8	0.9	1.4	1.8	2.0	2.2	2.2
57.5°	8.5	6.4	5.4	5.0	5.4	6.4	8.5	10.0	10.8	32.9	39.9
55°	207.4	217.9	225.8	229.5	225.8	217.9	207.4	189.2	163.7	153.7	156.8
52.5°	287.9	292.5	295.2	295.1	295.2	292.5	287.9	283.0	277.4	268.0	259.1
50°	321.0	323.2	324.0	323.5	324.0	323.2	321.0	317.5	315.5	311.2	295.4
47.5°	474.1	433.1	402.9	395.6	402.9	433.1	474.1	492.6	472.3	431.0	384.1
45°	675.2	690.8	706.3	711.1	706.3	690.8	675.2	668.1	653.3	635.3	616.7
42.5°	744.8	749.9	752.7	752.9	752.7	749.9	744.8	738.2	722.5	702.9	678.8
40°	778.1	782.9	785.7	785.9	785.7	782.9	778.1	771.5	759.7	742.5	720.4
37.5°	808.3	812.3	815.0	817.8	815.0	812.3	808.3	806.4	804.8	787.3	774.1
35°	944.7	913.8	869.3	876.1	869.3	913.8	944.7	948.2	921.8	872.7	896.3
32.5°	1179.3	1192.3	1200.4	1214.2	1200.4	1192.3	1179.3	1167.3	1174.9	1148.1	1090.2
30°	1287.4	1291.7	1298.2	1305.1	1298.2	1291.7	1287.4	1284.0	1281.9	1250.6	1215.7
27.5°	1314.5	1318.9	1322.9	1325.8	1322.9	1318.9	1314.5	1311.9	1307.2	1287.5	1257.8
25°	1328.6	1331.4	1335.6	1339.3	1335.6	1331.4	1328.6	1328.1	1324.2	1312.1	1288.2
22.5°	1335.6	1335.9	1339.2	1343.9	1339.2	1335.9	1335.6	1336.8	1334.8	1329.5	1303.6
20°	1340.4	1337.8	1341.2	1344.2	1341.2	1337.8	1340.4	1342.2	1341.7	1341.8	1320.2
17.5°	1401.8	1366.8	1352.4	1352.7	1352.4	1366.8	1401.8	1366.9	1391.6	1403.1	1397.3
15°	1599.7	1612.8	1663.2	1690.4	1663.2	1612.8	1599.7	1637.4	1603.8	1611.6	1581.8
12.5°	1727.4	1722.7	1716.8	1724.9	1716.8	1722.7	1727.4	1728.6	1735.2	1738.8	1729.8
10°	1733.4	1732.8	1722.1	1733.7	1722.1	1732.8	1733.4	1736.9	1745.3	1751.2	1741.0
7.5°	1729.7	1730.0	1725.5	1736.8	1725.5	1730.0	1729.7	1739.2	1744.9	1748.4	1738.0
5°	1732.1	1724.3	1727.3	1733.7	1727.3	1724.3	1732.1	1733.0	1738.7	1742.8	1736.7
2.5°	1725.4	1724.6	1718.8	1723.4	1718.8	1724.6	1725.4	1729.0	1732.3	1734.1	1734.2
0°	1720.3	1716.1	1716.1	1719.9	1716.1	1716.1	1720.3	1726.8	1732.6	1737.6	1739.5
-2.5°	1729.4	1728.5	1727.9	1725.3	1727.9	1728.5	1729.4	1732.3	1735.2	1737.6	1738.5
-5°	1736.9	1734.6	1728.3	1736.8	1728.3	1734.6	1736.9	1740.1	1744.9	1748.3	1747.3
-7.5°	1744.8	1739.1	1733.1	1746.4	1733.1	1739.1	1744.8	1747.4	1753.2	1757.7	1757.3
-10°	1752.2	1743.8	1738.0	1751.0	1738.0	1743.8	1752.2	1758.1	1763.0	1767.3	1768.1
-12.5°	1761.9	1752.0	1748.1	1755.2	1748.1	1752.0	1761.9	1768.7	1774.0	1777.2	1776.0
-15°	1772.2	1765.4	1764.5	1768.7	1764.5	1765.4	1772.2	1779.4	1783.5	1786.2	1781.5
-17.5°	1781.3	1776.5	1778.9	1783.6	1778.9	1776.5	1781.3	1787.1	1790.6	1791.6	1785.2
-20°	1785.6	1783.0	1785.6	1797.4	1785.6	1783.0	1785.6	1789.3	1791.7	1791.1	1781.7



REPORT NUMBER: P645329 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1785.3	1785.4	1790.1	1794.0	1790.1	1785.4	1785.3	1787.3	1787.1	1784.1	1768.3
-25°	1778.4	1782.0	1787.4	1795.1	1787.4	1782.0	1778.4	1778.3	1775.9	1768.2	1752.2
-27.5°	1762.0	1768.0	1773.6	1781.7	1773.6	1768.0	1762.0	1759.7	1755.5	1745.0	1731.9
-30°	1738.3	1745.4	1750.4	1759.1	1750.4	1745.4	1738.3	1733.9	1727.3	1715.3	1695.7
-32.5°	1709.3	1717.3	1723.3	1729.5	1723.3	1717.3	1709.3	1702.7	1695.7	1681.8	1654.8
-35°	1673.2	1681.8	1688.1	1693.8	1688.1	1681.8	1673.2	1664.5	1655.7	1643.8	1613.0
-37.5°	1629.8	1639.1	1646.3	1652.8	1646.3	1639.1	1629.8	1619.4	1610.1	1598.5	1568.6
-40°	1579.2	1588.8	1596.5	1603.6	1596.5	1588.8	1579.2	1567.3	1556.8	1543.3	1517.3
-42.5°	1520.1	1529.8	1537.7	1544.9	1537.7	1529.8	1520.1	1507.4	1494.5	1478.2	1455.7
-45°	1451.8	1461.7	1470.1	1477.8	1470.1	1461.7	1451.8	1438.5	1422.0	1400.9	1374.2
-47.5°	1373.1	1383.7	1390.9	1394.5	1390.9	1383.7	1373.1	1359.0	1339.9	1315.2	1285.8
-50°	1283.0	1293.6	1302.2	1308.6	1302.2	1293.6	1283.0	1268.9	1249.6	1222.7	1191.6
-52.5°	1183.7	1193.8	1201.2	1205.7	1201.2	1193.8	1183.7	1170.0	1151.3	1122.6	1089.9
-55°	1075.1	1085.7	1092.7	1096.0	1092.7	1085.7	1075.1	1060.9	1043.0	1013.8	981.5
-57.5°	951.8	961.9	969.3	973.5	969.3	961.9	951.8	938.1	920.8	893.3	862.3
-60°	815.5	824.5	830.1	832.3	830.1	824.5	815.5	802.9	786.8	762.6	734.1
-62.5°	676.0	684.5	689.8	691.9	689.8	684.5	676.0	664.6	650.4	630.6	606.8
-65°	538.1	543.5	546.4	546.8	546.4	543.5	538.1	530.1	519.3	504.1	485.6
-67.5°	415.1	419.2	421.7	422.5	421.7	419.2	415.1	409.5	402.4	393.4	382.1
-70°	325.8	328.6	330.1	330.4	330.1	328.6	325.8	321.6	315.9	308.4	299.1
-72.5°	242.9	244.9	244.2	242.5	244.2	244.9	242.9	240.1	236.3	232.1	227.7
-75°	189.4	191.6	190.7	189.2	190.7	191.6	189.4	186.8	183.7	180.3	176.3
-77.5°	151.4	153.4	152.4	150.8	152.4	153.4	151.4	149.0	146.2	143.1	139.6
-80°	108.1	109.2	110.1	110.5	110.1	109.2	108.1	106.6	104.9	103.1	101.6
-82.5°	55.3	53.7	52.7	51.4	52.7	53.7	55.3	56.6	57.6	58.3	58.6
-85°	15.6	15.2	15.5	15.7	15.5	15.2	15.6	15.9	16.2	16.4	17.8
-87.5°	4.5	4.6	4.6	4.6	4.6	4.6	4.5	4.3	4.2	4.1	4.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645329 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5
65°	0.5	0.5	0.5	0.6	0.6	0.5	0.6	0.6	0.6	0.5	0.5
62.5°	0.8	0.8	0.9	0.9	0.9	1.1	1.0	1.0	0.9	1.1	1.5
60°	1.9	1.5	2.2	2.5	2.1	3.6	6.0	5.4	1.6	8.7	10.0
57.5°	25.4	21.1	44.2	44.1	18.5	24.9	33.4	22.0	14.4	24.6	32.5
55°	177.1	162.2	141.0	138.8	146.1	111.0	92.8	89.3	69.9	45.4	53.9
52.5°	249.6	234.8	220.3	206.9	195.9	184.1	166.7	148.0	142.0	114.3	88.1
50°	282.5	296.9	282.7	247.9	254.1	237.3	212.9	193.0	197.1	180.1	145.2
47.5°	383.1	400.7	401.1	380.4	357.3	350.2	314.3	252.1	256.3	255.5	218.5
45°	560.8	536.2	545.4	516.2	475.5	452.9	451.7	385.1	323.5	313.5	309.9
42.5°	658.2	640.0	621.2	599.4	563.4	527.4	505.3	467.8	418.2	374.3	358.8
40°	697.6	676.4	658.8	640.8	611.8	575.0	557.1	507.9	470.6	432.6	420.0
37.5°	745.3	705.0	720.7	686.6	659.7	650.7	636.9	585.7	503.1	496.1	489.7
35°	851.6	813.9	850.1	843.7	736.4	748.4	757.6	694.7	608.2	561.3	562.3
32.5°	1094.1	1007.3	980.8	1013.3	956.9	863.2	864.6	845.4	727.4	659.1	629.3
30°	1181.9	1143.4	1101.6	1096.0	1054.0	999.8	965.4	919.4	833.4	755.5	704.4
27.5°	1219.8	1184.8	1149.7	1122.6	1098.2	1061.5	1016.6	962.5	901.3	831.5	781.8
25°	1246.8	1207.7	1177.3	1147.4	1121.2	1093.4	1047.6	994.9	937.8	881.5	828.1
22.5°	1268.5	1232.0	1199.4	1167.2	1146.0	1116.0	1074.8	1020.4	982.2	946.4	876.9
20°	1292.3	1257.1	1220.4	1221.9	1190.7	1140.7	1101.1	1074.0	1068.8	1028.5	938.9
17.5°	1395.5	1298.8	1316.7	1350.8	1282.0	1191.2	1177.1	1178.6	1162.0	1124.6	1013.1
15°	1616.5	1476.7	1477.9	1501.4	1426.8	1315.4	1289.6	1286.5	1260.3	1218.9	1091.5
12.5°	1686.0	1639.4	1630.8	1595.8	1522.6	1439.3	1408.8	1392.3	1344.3	1264.2	1147.9
10°	1709.6	1682.5	1646.6	1611.4	1566.9	1533.4	1490.0	1430.0	1361.8	1284.6	1189.9
7.5°	1712.4	1684.3	1655.3	1621.8	1582.8	1543.5	1500.6	1440.9	1375.0	1299.3	1219.5
5°	1710.7	1682.7	1655.9	1623.8	1584.3	1546.2	1507.3	1448.3	1383.9	1308.9	1239.0
2.5°	1706.5	1678.2	1652.7	1623.5	1584.1	1547.4	1511.5	1456.3	1390.3	1316.8	1245.5
0°	1712.6	1684.6	1660.4	1627.8	1592.1	1549.5	1513.5	1464.4	1393.4	1322.0	1247.9
-2.5°	1715.3	1686.3	1664.1	1627.4	1597.8	1554.3	1517.8	1470.3	1399.2	1331.2	1253.9
-5°	1729.1	1700.3	1671.4	1634.5	1603.4	1562.7	1521.6	1472.7	1403.5	1336.2	1256.6
-7.5°	1738.2	1709.0	1675.4	1639.6	1608.4	1569.5	1524.0	1473.0	1407.5	1336.2	1257.8
-10°	1743.9	1713.4	1680.2	1643.5	1611.3	1571.3	1523.2	1471.7	1406.7	1333.0	1255.0
-12.5°	1751.9	1717.6	1683.4	1641.8	1609.4	1568.4	1520.3	1468.8	1400.6	1327.2	1247.8
-15°	1754.9	1719.6	1679.6	1638.9	1603.5	1563.6	1514.0	1460.1	1390.1	1318.2	1236.1
-17.5°	1756.1	1716.0	1673.3	1634.3	1596.2	1553.9	1501.5	1444.1	1376.6	1302.3	1220.6
-20°	1755.1	1708.4	1664.5	1622.0	1582.0	1539.1	1485.0	1428.3	1357.4	1281.8	1200.6

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645329 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1C-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1737.2	1695.0	1650.5	1604.3	1565.1	1519.5	1466.6	1407.9	1332.3	1259.2	1175.0
-25°	1717.5	1674.8	1628.8	1585.9	1544.2	1498.9	1444.5	1377.9	1306.2	1230.1	1144.1
-27.5°	1694.2	1649.3	1601.9	1558.2	1514.0	1469.5	1413.3	1346.2	1277.1	1193.9	1110.4
-30°	1662.8	1616.4	1568.1	1518.1	1477.7	1432.3	1376.8	1311.6	1237.3	1155.2	1075.7
-32.5°	1620.1	1576.5	1528.1	1480.6	1438.4	1390.8	1334.7	1270.0	1192.0	1114.4	1031.7
-35°	1576.6	1531.5	1485.3	1440.6	1396.2	1346.3	1289.1	1218.6	1144.2	1067.2	981.5
-37.5°	1527.0	1480.0	1436.6	1394.2	1348.4	1297.2	1234.0	1166.0	1093.4	1008.8	927.2
-40°	1473.8	1428.4	1381.2	1339.2	1290.3	1238.7	1177.6	1111.5	1031.6	948.1	871.4
-42.5°	1410.5	1365.3	1316.6	1269.8	1222.3	1173.2	1118.1	1046.5	967.4	888.6	808.8
-45°	1334.2	1288.9	1240.9	1192.8	1148.3	1100.6	1049.3	973.0	894.9	819.8	743.2
-47.5°	1248.2	1204.3	1158.1	1110.3	1068.0	1020.1	957.6	886.7	817.5	746.0	667.7
-50°	1154.9	1113.1	1070.4	1026.0	978.5	924.5	864.6	802.6	734.2	660.7	589.2
-52.5°	1052.9	1014.6	974.3	931.7	882.7	829.1	772.9	707.1	638.8	576.5	511.4
-55°	946.5	908.7	868.8	826.2	780.5	727.5	669.3	609.5	553.7	496.1	446.4
-57.5°	828.7	792.9	754.9	714.7	672.5	623.2	572.1	521.3	477.2	432.4	387.4
-60°	702.8	669.3	637.0	601.4	562.4	520.0	482.8	445.3	407.9	372.1	335.9
-62.5°	580.8	552.9	523.8	494.9	465.3	434.7	403.8	374.9	345.4	315.1	288.4
-65°	465.6	444.3	421.4	401.4	380.4	358.3	333.5	310.8	289.3	267.1	244.4
-67.5°	368.9	353.7	337.6	321.8	307.4	292.1	274.6	256.3	239.2	222.8	206.1
-70°	289.4	279.4	268.8	257.3	245.8	234.3	221.5	208.0	194.3	182.0	170.2
-72.5°	222.1	215.2	207.2	198.9	190.1	182.2	173.5	164.3	155.1	145.8	136.8
-75°	171.9	166.9	161.4	155.2	147.7	138.8	132.2	127.8	122.2	115.4	108.0
-77.5°	135.9	132.3	128.4	123.1	117.6	111.9	106.3	100.8	95.4	90.2	85.5
-80°	100.0	98.3	96.1	91.8	87.4	83.0	78.8	75.5	72.3	68.8	64.5
-82.5°	58.7	58.5	57.9	55.5	53.0	50.6	48.2	45.8	43.3	40.7	38.0
-85°	19.0	20.0	20.9	21.3	21.5	21.6	21.4	20.8	20.1	19.3	18.4
-87.5°	4.1	4.2	4.2	4.3	4.5	4.6	4.8	5.0	5.2	5.3	5.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645329 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.6
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.7
72.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.5	0.6	0.7
70°	0.5	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.7
67.5°	0.6	0.6	0.6	0.5	0.6	0.7	0.8	0.9	0.9	0.7	0.8
65°	0.6	0.7	0.8	1.1	1.0	0.7	0.8	1.5	1.2	1.0	0.8
62.5°	1.3	0.7	2.5	3.3	1.9	1.5	1.2	3.4	2.1	1.4	1.1
60°	3.0	2.5	6.8	10.9	7.6	2.6	3.8	5.8	5.3	1.9	1.5
57.5°	28.1	9.7	14.0	20.3	19.9	10.8	7.9	10.5	9.1	5.2	2.1
55°	60.0	50.5	33.4	30.6	33.0	26.7	17.4	17.1	14.0	9.7	3.3
52.5°	82.4	86.0	74.9	52.3	45.5	43.4	33.9	24.7	22.0	14.5	8.4
50°	119.3	111.1	110.0	92.3	63.9	57.8	50.0	38.6	30.8	20.8	14.2
47.5°	168.5	148.0	137.2	129.3	101.9	73.7	65.6	52.7	40.5	30.0	20.3
45°	240.8	191.4	170.4	157.5	139.7	103.6	82.1	66.5	52.8	40.2	26.7
42.5°	313.5	247.4	208.2	187.5	168.9	137.5	99.8	82.4	64.8	50.6	34.7
40°	377.6	305.2	248.0	221.3	197.6	170.2	128.4	99.4	76.5	61.4	43.9
37.5°	454.8	371.0	293.8	256.8	228.2	197.4	157.4	117.2	90.6	72.6	53.1
35°	529.4	456.3	345.1	299.7	262.2	225.4	185.3	138.2	107.9	84.1	62.3
32.5°	609.5	536.4	422.5	347.5	297.4	254.0	211.4	163.7	125.4	95.6	71.4
30°	672.7	589.1	490.4	395.4	335.8	285.9	237.5	188.2	142.9	107.3	80.6
27.5°	706.1	634.8	544.0	448.8	378.9	318.6	264.4	211.5	160.3	120.2	90.3
25°	740.7	666.9	582.3	495.5	421.5	353.2	291.1	233.8	179.4	134.7	99.8
22.5°	782.1	694.3	614.7	532.5	465.5	388.3	319.2	256.4	198.4	148.9	109.1
20°	823.6	719.6	646.6	582.9	508.6	426.3	348.5	278.4	216.4	162.7	118.3
17.5°	867.3	765.7	700.7	632.0	551.6	463.1	377.4	299.8	233.2	176.1	127.2
15°	943.2	834.7	755.2	679.8	594.3	498.5	405.5	320.3	248.9	189.0	135.5
12.5°	1012.2	899.0	809.8	726.1	636.4	532.3	432.7	339.8	263.5	199.3	142.9
10°	1069.2	958.6	863.7	770.4	677.2	564.1	458.6	355.7	272.2	207.0	149.7
7.5°	1115.9	1013.7	916.3	812.7	712.3	585.0	471.7	365.0	279.0	213.5	155.9
5°	1149.7	1050.4	944.2	827.4	723.3	593.5	480.6	372.5	284.4	218.9	161.5
2.5°	1159.4	1061.7	954.7	835.4	730.7	599.1	487.0	378.3	288.6	223.3	166.5
0°	1165.0	1069.1	961.3	840.4	734.5	601.7	490.8	382.2	291.6	226.8	170.8
-2.5°	1172.9	1075.5	967.6	853.1	737.0	609.8	493.0	384.8	295.4	228.0	173.3
-5°	1176.9	1078.0	970.7	861.7	736.3	614.6	492.7	385.6	297.8	228.5	175.1
-7.5°	1175.1	1077.2	970.8	864.3	733.0	615.7	490.1	384.8	298.8	228.2	176.3
-10°	1169.9	1072.8	967.1	857.4	729.9	611.3	485.3	382.3	298.2	227.2	176.7
-12.5°	1161.8	1064.6	959.5	847.4	723.5	602.4	479.7	378.1	295.8	225.6	176.4
-15°	1151.4	1052.8	948.0	834.8	713.0	590.4	471.2	372.0	291.1	223.8	175.4
-17.5°	1137.9	1037.2	932.5	819.7	698.2	575.6	459.9	364.1	285.3	221.6	173.3
-20°	1114.0	1016.4	912.8	802.6	679.0	558.1	445.6	354.3	278.3	218.5	170.2



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1087.1	990.7	888.2	779.5	655.9	537.9	428.3	342.7	270.3	214.5	166.6
-25°	1058.3	961.7	859.6	747.6	630.3	516.7	411.0	329.3	261.2	209.5	162.4
-27.5°	1024.6	928.9	827.3	712.4	600.6	492.0	394.4	317.4	252.4	203.6	157.6
-30°	986.8	890.3	786.8	674.8	568.0	463.4	375.8	304.7	245.0	197.1	152.3
-32.5°	943.3	847.8	742.0	636.4	533.7	433.1	355.3	291.1	236.4	190.2	147.4
-35°	893.9	798.3	694.5	595.1	497.3	408.6	335.2	276.7	226.7	182.7	142.2
-37.5°	842.5	745.1	647.0	552.0	458.6	382.1	317.1	262.4	215.8	174.8	136.5
-40°	783.6	690.5	597.2	507.6	425.0	353.6	297.6	248.4	205.5	166.3	130.2
-42.5°	723.0	633.1	545.2	460.6	391.9	330.4	277.1	233.2	194.7	158.1	123.4
-45°	657.7	572.6	489.9	421.1	358.3	305.9	259.2	217.5	183.1	149.7	116.3
-47.5°	588.9	508.8	439.6	379.8	329.7	281.2	240.1	203.9	171.0	140.7	109.3
-50°	515.9	449.4	393.3	344.0	298.8	259.0	221.1	189.7	159.9	130.8	101.9
-52.5°	451.2	398.0	351.6	309.3	271.6	235.7	204.8	175.2	148.4	121.2	94.1
-55°	395.8	352.2	313.0	277.9	244.7	215.7	187.8	162.2	136.6	111.7	86.3
-57.5°	348.0	309.9	278.5	248.0	220.6	195.8	172.3	149.0	125.3	101.8	80.1
-60°	302.1	273.6	245.7	221.1	197.9	176.9	157.7	135.8	113.9	91.9	73.2
-62.5°	262.4	238.1	217.0	195.5	176.3	159.2	143.0	122.8	102.2	82.8	65.8
-65°	225.2	206.5	188.5	171.4	155.4	140.9	127.9	109.5	90.4	73.1	58.1
-67.5°	189.8	175.7	161.6	147.3	134.7	123.0	111.8	95.2	78.1	62.9	50.4
-70°	158.3	146.2	135.2	124.5	114.3	104.5	94.0	80.0	65.3	53.8	42.5
-72.5°	128.4	119.7	110.5	101.7	94.2	85.6	75.9	65.0	54.7	44.5	34.5
-75°	100.9	95.1	88.6	81.7	74.6	66.9	60.5	52.9	43.9	35.0	27.8
-77.5°	80.7	75.1	68.6	63.1	58.3	53.1	47.3	40.6	33.5	27.3	21.5
-80°	59.6	55.2	51.6	48.4	44.0	39.2	34.4	29.6	24.4	19.5	15.1
-82.5°	36.3	35.4	34.4	32.9	29.3	25.7	22.2	18.8	15.1	11.7	9.7
-85°	18.2	17.8	17.3	16.5	14.3	12.1	11.1	10.0	8.8	7.6	6.5
-87.5°	6.0	6.4	6.8	7.1	6.6	6.0	5.5	5.0	4.4	3.8	3.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
85°	0.4	0.3	0.3	0.2	0.1	0.1	0.0
82.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
80°	0.8	0.7	0.6	0.4	0.3	0.2	0.0
77.5°	0.8	0.8	0.7	0.5	0.3	0.2	0.0
75°	0.8	0.8	0.8	0.6	0.4	0.3	0.0
72.5°	0.8	0.9	0.8	0.7	0.5	0.3	0.0
70°	0.8	0.9	0.9	0.8	0.6	0.3	0.0
67.5°	0.9	0.9	0.9	0.8	0.6	0.4	0.0
65°	1.1	1.1	1.0	0.9	0.7	0.4	0.0
62.5°	1.2	1.3	1.0	0.9	0.8	0.5	0.0
60°	1.4	1.6	1.1	1.0	0.9	0.5	0.0
57.5°	2.6	1.9	1.3	1.0	0.9	0.6	0.0
55°	4.2	2.2	1.7	1.1	0.9	0.6	0.0
52.5°	6.0	2.8	2.0	1.1	1.0	0.6	0.0
50°	8.1	4.8	2.3	1.1	1.0	0.7	0.0
47.5°	10.9	6.9	2.7	1.2	1.1	0.7	0.0
45°	16.4	9.1	3.1	1.5	1.1	0.7	0.0
42.5°	22.1	11.6	3.4	1.8	1.2	0.8	0.0
40°	27.9	14.1	4.6	2.2	1.2	0.8	0.0
37.5°	33.8	16.8	6.6	2.6	1.3	0.9	0.0
35°	39.8	20.9	8.7	3.1	1.3	0.9	0.0
32.5°	46.3	25.6	10.7	3.7	1.4	0.9	0.0
30°	53.7	30.3	12.8	4.3	1.4	1.0	0.0
27.5°	61.0	34.9	15.4	5.0	1.4	1.0	0.0
25°	68.1	39.5	18.0	5.6	1.5	1.0	0.0
22.5°	75.0	44.2	20.6	6.4	1.5	1.0	0.0
20°	81.7	49.2	23.2	7.1	1.6	1.1	0.0
17.5°	88.3	54.0	25.8	7.8	1.6	1.1	0.0
15°	94.7	58.7	28.3	8.6	1.7	1.1	0.0
12.5°	100.6	63.1	30.7	9.3	1.7	1.1	0.0
10°	106.1	67.3	33.0	10.1	1.8	1.1	0.0
7.5°	111.2	71.2	35.1	10.8	1.8	1.2	0.0
5°	115.8	74.8	37.2	11.5	1.8	1.2	0.0
2.5°	119.9	78.1	39.0	12.1	1.9	1.2	0.0
0°	123.6	81.0	40.7	12.7	1.9	1.2	0.0
-2.5°	125.4	82.8	42.2	13.5	2.2	1.3	0.0
-5°	126.7	84.3	43.6	14.3	2.5	1.3	0.0
-7.5°	127.6	85.4	44.6	14.9	2.8	1.4	0.0
-10°	127.9	86.0	45.5	15.5	3.1	1.4	0.0
-12.5°	127.9	86.3	46.0	16.0	3.3	1.5	0.0
-15°	127.4	86.2	46.3	16.4	3.6	1.5	0.0
-17.5°	126.4	85.6	46.2	16.7	3.8	1.6	0.0
-20°	125.0	84.7	45.9	16.9	4.0	1.6	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	122.9	83.4	45.2	16.9	4.2	1.6	0.0
-25°	120.3	81.4	44.3	16.8	4.4	1.7	0.0
-27.5°	117.3	78.9	43.0	16.6	4.5	1.7	0.0
-30°	113.7	76.1	41.4	16.3	4.6	1.7	0.0
-32.5°	109.7	72.9	39.5	15.8	4.7	1.7	0.0
-35°	105.4	69.4	37.4	15.2	4.8	1.7	0.0
-37.5°	100.7	65.9	35.1	14.4	4.8	1.7	0.0
-40°	95.7	62.7	32.6	13.5	4.8	1.7	0.0
-42.5°	90.3	59.2	30.7	12.5	4.8	1.6	0.0
-45°	84.6	55.6	29.4	11.6	4.8	1.6	0.0
-47.5°	78.6	51.7	27.8	10.4	4.7	1.6	0.0
-50°	73.5	47.7	26.1	10.1	4.6	1.5	0.0
-52.5°	68.5	43.4	24.1	9.9	4.4	1.5	0.0
-55°	63.2	40.2	21.9	9.6	4.2	1.4	0.0
-57.5°	57.8	36.9	19.5	9.1	4.0	1.3	0.0
-60°	52.3	33.4	16.9	8.6	3.8	1.2	0.0
-62.5°	47.2	29.5	15.7	8.0	3.6	1.2	0.0
-65°	41.8	25.4	14.4	7.3	3.3	1.1	0.0
-67.5°	36.1	22.0	12.8	6.5	3.0	1.0	0.0
-70°	30.0	19.2	11.2	5.7	2.7	0.9	0.0
-72.5°	25.4	16.3	9.4	5.0	2.4	0.8	0.0
-75°	20.8	13.1	7.5	4.3	2.1	0.7	0.0
-77.5°	15.9	9.9	6.2	3.7	1.8	0.6	0.0
-80°	10.9	7.5	5.0	3.0	1.4	0.5	0.0
-82.5°	8.0	5.7	3.8	2.2	1.1	0.4	0.0
-85°	5.4	3.8	2.5	1.5	0.7	0.2	0.0
-87.5°	2.7	1.9	1.3	0.7	0.4	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)