

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: P645442 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3E-727-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645442 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA3E-727-U-LAM-XX  
Description: GALLEON FLOOD, THREE LIGHT SQUARE, LAMBERTIAN  
Light Source: (48) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

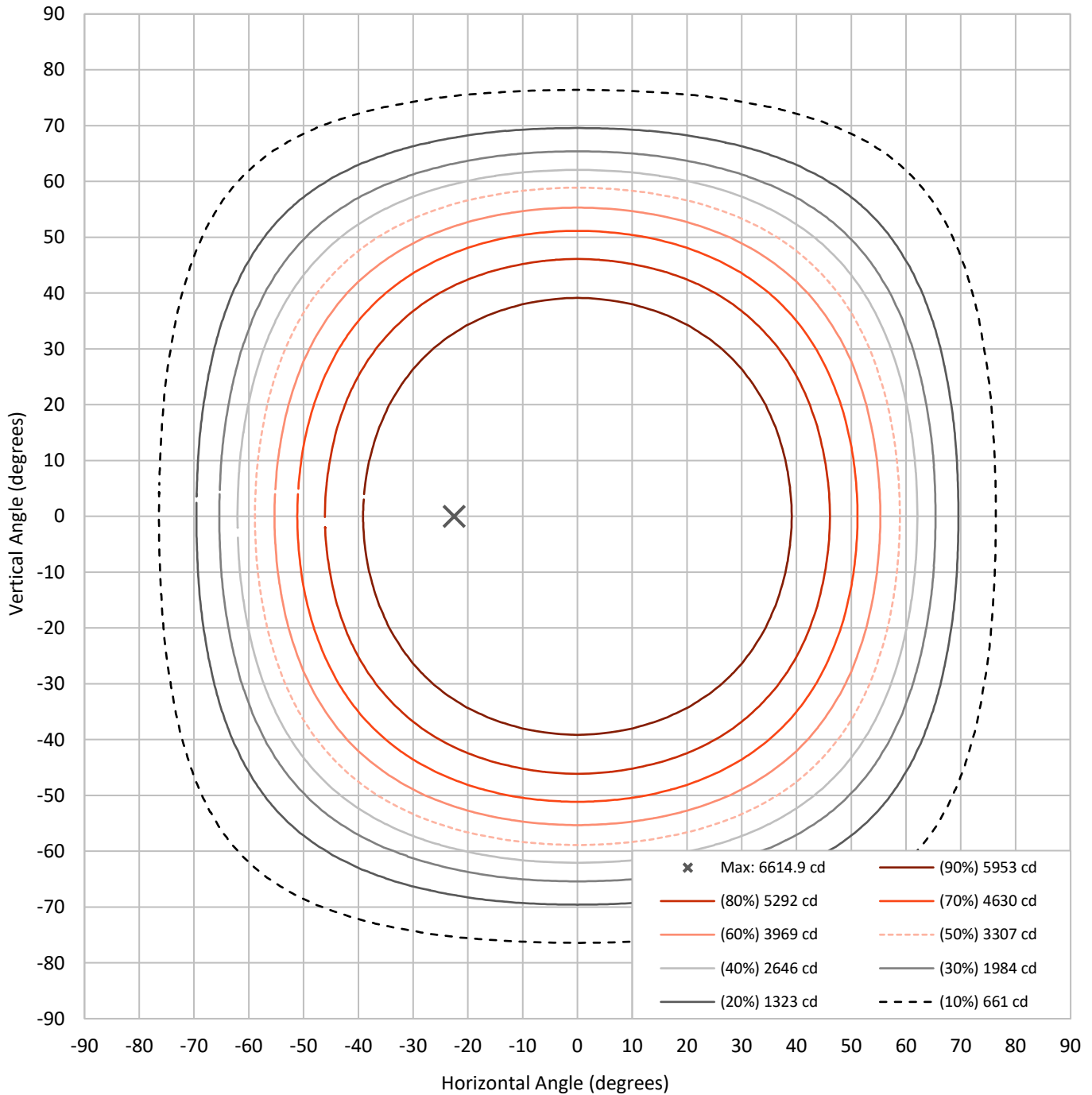
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	20235.4 lumens	Max Intensity:	6614.9 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	109.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	16840.3 lumens	Field Lumens:	19837.5 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	185.2		
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:	25 FT		



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### Iso-Candela Plot





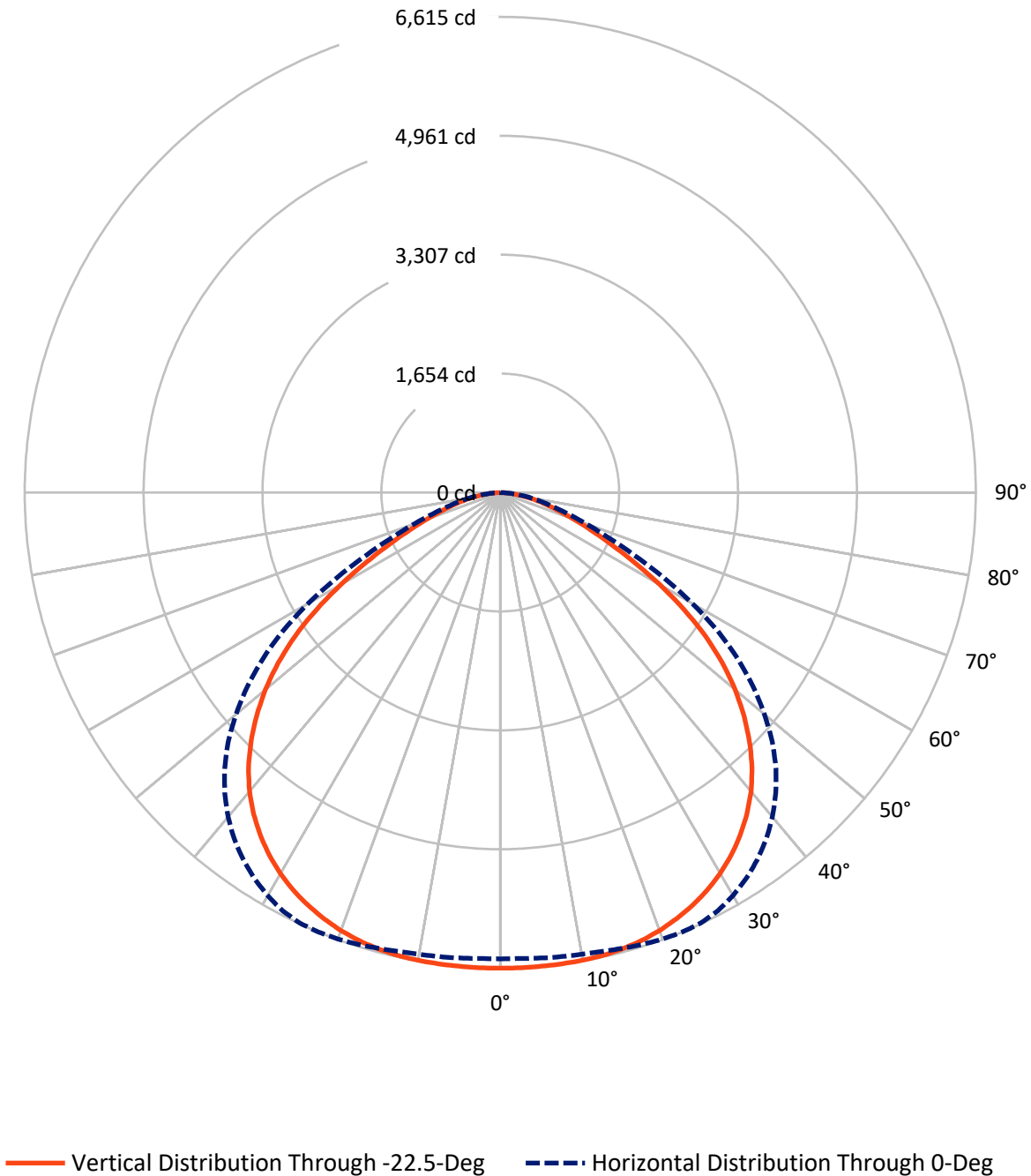
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### Lumen Table

90																			
80	1.0	10.5	29.6	49.3	57.7	49.3	29.6	10.5	1.0										
70																			
60	5.0	5.9	12.3	21.5	33.3	45.9	56.7	62.8	62.8	56.7	45.9	33.3	21.5	12.3	5.9				5.0
50																			
40	9.4	9.1	21.0	40.7	66.5	91.5	110.2	120.1	120.1	110.2	91.5	66.5	40.7	21.0	9.1				9.4
30																			
20	12.9	13.0	33.2	66.1	101.4	130.9	151.7	162.4	162.4	151.7	130.9	101.4	66.1	33.2	13.0				12.9
10																			
0	14.3	17.5	47.0	87.7	126.0	156.7	177.3	187.5	187.5	177.3	156.7	126.0	87.7	47.0	17.5				14.3
-10																			
-20	12.9	21.9	58.4	102.4	141.7	171.6	190.6	199.1	199.1	190.6	171.6	141.7	102.4	58.4	21.9				12.9
-30																			
-40	9.4	25.4	66.0	111.4	150.5	178.9	194.0	199.2	199.2	194.0	178.9	150.5	111.4	66.0	25.4				9.4
-50																			
-60	5.0	27.3	69.7	115.6	154.3	181.1	193.1	197.3	197.3	193.1	181.1	154.3	115.6	69.7	27.3				5.0
-70																			
-80	1.0	27.3	69.7	115.6	154.3	181.1	193.1	197.3	197.3	193.1	181.1	154.3	115.6	69.7	27.3				1.0
-90																			

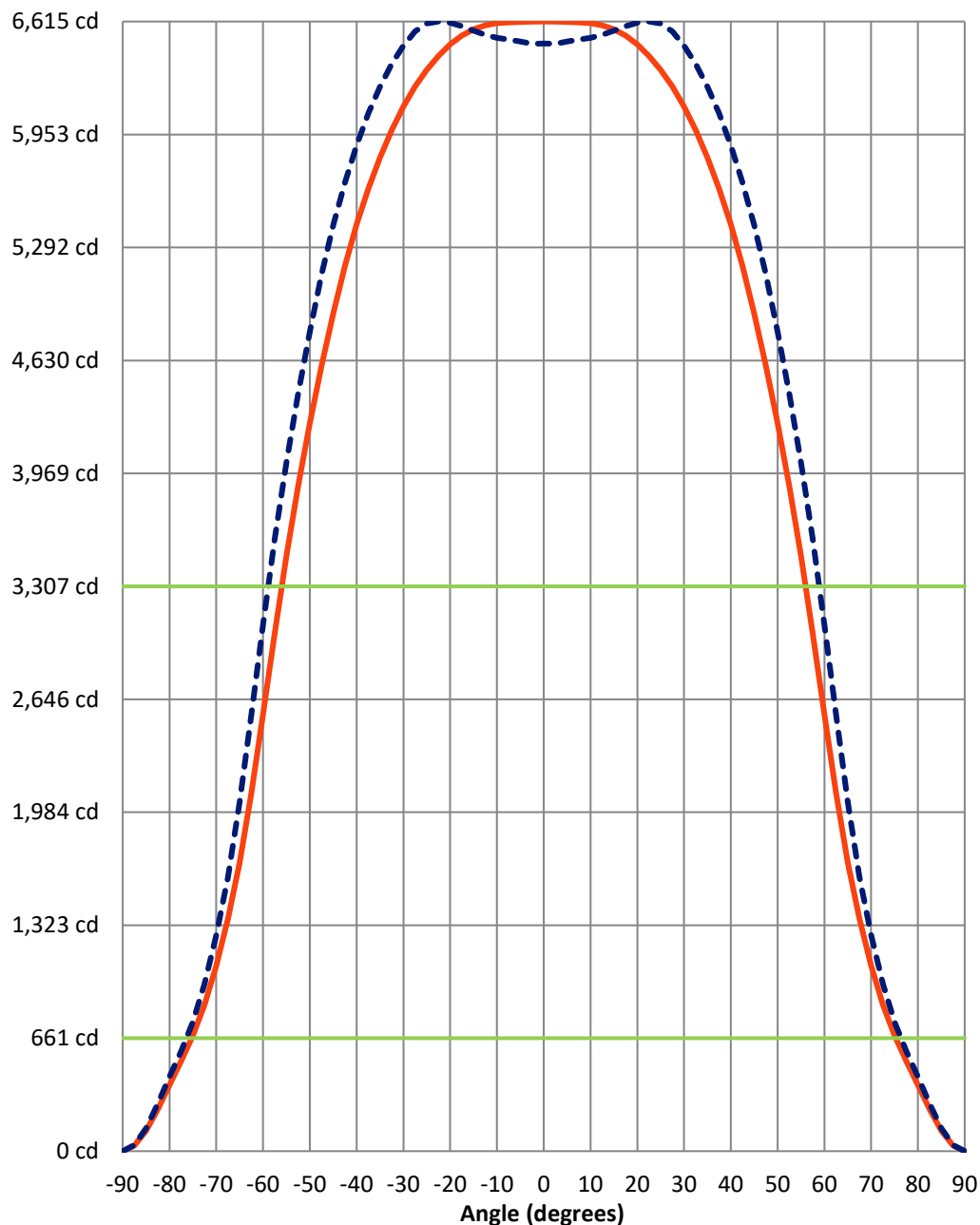
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 16840.3  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 19837.5  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 398  
 Efficiency: 2.0%

— Vertical Distribution through -22.5-Deg  
 - - Horizontal Distribution through 0-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	1.6	3.2	4.7	6.3	7.8	9.4	10.9	12.4	13.8	15.3
85°	0.0	3.2	6.3	9.4	12.6	15.7	18.7	21.7	24.7	27.7	30.6
82.5°	0.0	4.7	9.4	14.1	18.8	23.4	28.0	32.6	38.5	50.5	62.3
80°	0.0	6.3	12.6	18.8	25.0	31.2	39.2	55.6	71.8	87.8	103.4
77.5°	0.0	7.8	15.7	23.4	31.2	43.5	64.2	84.7	104.9	124.8	148.8
75°	0.0	9.4	18.7	28.0	39.2	64.2	89.0	113.5	139.1	173.8	208.0
72.5°	0.0	10.9	21.7	32.6	55.6	84.7	113.5	145.4	186.4	226.8	266.5
70°	0.0	12.4	24.7	38.5	71.8	104.9	139.1	186.4	233.1	279.2	329.1
67.5°	0.0	13.8	27.7	50.5	87.8	124.8	173.8	226.8	279.2	336.0	392.0
65°	0.0	15.3	30.6	62.3	103.4	148.8	208.0	266.5	329.1	392.0	453.1
62.5°	0.0	16.7	33.4	73.8	118.8	176.8	241.4	308.3	378.0	446.4	511.1
60°	0.0	18.1	36.2	85.1	133.8	204.1	274.2	350.3	426.0	497.8	568.1
57.5°	0.0	19.4	43.4	96.1	154.9	230.8	309.1	391.4	471.2	548.0	628.9
55°	0.0	20.8	50.6	106.8	175.7	256.8	343.4	431.4	514.8	598.5	690.6
52.5°	0.0	22.0	57.5	117.2	195.8	282.4	376.7	468.7	557.1	652.6	750.7
50°	0.0	23.3	64.2	127.2	215.3	309.3	409.0	504.6	599.9	705.1	825.5
47.5°	0.0	24.5	70.7	138.0	234.2	335.2	439.9	539.3	644.9	755.9	899.7
45°	0.0	25.6	76.9	151.5	252.3	360.2	468.5	572.8	688.4	819.8	971.3
42.5°	0.0	26.7	82.8	164.5	269.6	384.1	495.9	607.3	730.1	881.6	1055.7
40°	0.0	27.7	88.5	176.9	287.0	406.9	522.1	642.1	774.0	940.7	1139.1
37.5°	0.0	28.7	93.9	188.7	304.3	428.6	547.0	675.1	823.8	1001.2	1218.6
35°	0.0	29.7	98.9	199.8	320.7	448.5	570.6	706.4	871.0	1068.6	1299.7
32.5°	0.0	30.5	103.7	210.3	336.1	466.9	593.6	735.9	915.5	1132.3	1385.0
30°	0.0	31.3	108.2	220.0	350.4	484.1	617.1	765.5	957.1	1191.9	1464.9
27.5°	0.0	32.1	112.3	229.1	363.8	500.0	638.9	799.2	999.6	1247.3	1539.4
25°	0.0	32.8	116.1	237.4	376.0	514.7	659.0	830.2	1044.7	1305.0	1608.9
22.5°	0.0	33.4	119.6	245.0	387.2	528.1	677.4	858.4	1085.8	1361.0	1690.1
20°	0.0	34.0	122.7	251.8	397.3	540.2	693.9	883.9	1122.9	1411.5	1763.5
17.5°	0.0	34.5	125.5	257.9	406.2	550.8	708.5	906.5	1155.9	1456.4	1828.7
15°	0.0	35.0	127.9	263.2	414.0	560.2	721.3	926.2	1184.6	1495.5	1885.6
12.5°	0.0	35.3	129.9	267.7	420.6	568.1	732.2	943.0	1209.1	1528.8	1934.1
10°	0.0	35.6	131.6	271.3	426.0	574.6	741.1	956.8	1229.2	1556.2	1974.0
7.5°	0.0	35.9	132.9	274.2	430.2	579.7	748.0	967.5	1244.9	1577.6	2005.1
5°	0.0	36.1	133.8	276.3	433.3	583.3	753.0	975.2	1256.1	1592.9	2027.4
2.5°	0.0	36.2	134.4	277.5	435.1	585.5	756.0	979.9	1262.8	1602.1	2040.8
0°	0.0	36.2	134.6	277.9	435.7	586.2	757.0	981.4	1265.1	1605.2	2045.3
-2.5°	0.0	36.2	134.4	277.5	435.1	585.5	756.0	979.9	1262.8	1602.1	2040.8
-5°	0.0	36.1	133.8	276.3	433.3	583.3	753.0	975.2	1256.1	1592.9	2027.4
-7.5°	0.0	35.9	132.9	274.2	430.2	579.7	748.0	967.5	1244.9	1577.6	2005.1
-10°	0.0	35.6	131.6	271.3	426.0	574.6	741.1	956.8	1229.2	1556.2	1974.0
-12.5°	0.0	35.3	129.9	267.7	420.6	568.1	732.2	943.0	1209.1	1528.8	1934.1
-15°	0.0	35.0	127.9	263.2	414.0	560.2	721.3	926.2	1184.6	1495.5	1885.6
-17.5°	0.0	34.5	125.5	257.9	406.2	550.8	708.5	906.5	1155.9	1456.4	1828.7
-20°	0.0	34.0	122.7	251.8	397.3	540.2	693.9	883.9	1122.9	1411.5	1763.5



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	33.4	119.6	245.0	387.2	528.1	677.4	858.4	1085.8	1361.0	1690.1
-25°	0.0	32.8	116.1	237.4	376.0	514.7	659.0	830.2	1044.7	1305.0	1608.9
-27.5°	0.0	32.1	112.3	229.1	363.8	500.0	638.9	799.2	999.6	1247.3	1539.4
-30°	0.0	31.3	108.2	220.0	350.4	484.1	617.1	765.5	957.1	1191.9	1464.9
-32.5°	0.0	30.5	103.7	210.3	336.1	466.9	593.6	735.9	915.5	1132.3	1385.0
-35°	0.0	29.7	98.9	199.8	320.7	448.5	570.6	706.4	871.0	1068.6	1299.7
-37.5°	0.0	28.7	93.9	188.7	304.3	428.6	547.0	675.1	823.8	1001.2	1218.6
-40°	0.0	27.7	88.5	176.9	287.0	406.9	522.1	642.1	774.0	940.7	1139.1
-42.5°	0.0	26.7	82.8	164.5	269.6	384.1	495.9	607.3	730.1	881.6	1055.7
-45°	0.0	25.6	76.9	151.5	252.3	360.2	468.5	572.8	688.4	819.8	971.3
-47.5°	0.0	24.5	70.7	138.0	234.2	335.2	439.9	539.3	644.9	755.9	899.7
-50°	0.0	23.3	64.2	127.2	215.3	309.3	409.0	504.6	599.9	705.1	825.5
-52.5°	0.0	22.0	57.5	117.2	195.8	282.4	376.7	468.7	557.1	652.6	750.7
-55°	0.0	20.8	50.6	106.8	175.7	256.8	343.4	431.4	514.8	598.5	690.6
-57.5°	0.0	19.4	43.4	96.1	154.9	230.8	309.1	391.4	471.2	548.0	628.9
-60°	0.0	18.1	36.2	85.1	133.8	204.1	274.2	350.3	426.0	497.8	568.1
-62.5°	0.0	16.7	33.4	73.8	118.8	176.8	241.4	308.3	378.0	446.4	511.1
-65°	0.0	15.3	30.6	62.3	103.4	148.8	208.0	266.5	329.1	392.0	453.1
-67.5°	0.0	13.8	27.7	50.5	87.8	124.8	173.8	226.8	279.2	336.0	392.0
-70°	0.0	12.4	24.7	38.5	71.8	104.9	139.1	186.4	233.1	279.2	329.1
-72.5°	0.0	10.9	21.7	32.6	55.6	84.7	113.5	145.4	186.4	226.8	266.5
-75°	0.0	9.4	18.7	28.0	39.2	64.2	89.0	113.5	139.1	173.8	208.0
-77.5°	0.0	7.8	15.7	23.4	31.2	43.5	64.2	84.7	104.9	124.8	148.8
-80°	0.0	6.3	12.6	18.8	25.0	31.2	39.2	55.6	71.8	87.8	103.4
-82.5°	0.0	4.7	9.4	14.1	18.8	23.4	28.0	32.6	38.5	50.5	62.3
-85°	0.0	3.2	6.3	9.4	12.6	15.7	18.7	21.7	24.7	27.7	30.6
-87.5°	0.0	1.6	3.2	4.7	6.3	7.8	9.4	10.9	12.4	13.8	15.3
-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):**

	-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°	16.7	18.1	19.4	20.8	22.0	23.3	24.5	25.6	26.7	27.7	28.7
85°	33.4	36.2	43.4	50.6	57.5	64.2	70.7	76.9	82.8	88.5	93.9
82.5°	73.8	85.1	96.1	106.8	117.2	127.2	138.0	151.5	164.5	176.9	188.7
80°	118.8	133.8	154.9	175.7	195.8	215.3	234.2	252.3	269.6	287.0	304.3
77.5°	176.8	204.1	230.8	256.8	282.4	309.3	335.2	360.2	384.1	406.9	428.6
75°	241.4	274.2	309.1	343.4	376.7	409.0	439.9	468.5	495.9	522.1	547.0
72.5°	308.3	350.3	391.4	431.4	468.7	504.6	539.3	572.8	607.3	642.1	675.1
70°	378.0	426.0	471.2	514.8	557.1	599.9	644.9	688.4	730.1	774.0	823.8
67.5°	446.4	497.8	548.0	598.5	652.6	705.1	755.9	819.8	881.6	940.7	1001.2
65°	511.1	568.1	628.9	690.6	750.7	825.5	899.7	971.3	1055.7	1139.1	1218.6
62.5°	574.8	644.2	713.6	789.1	876.0	960.4	1058.2	1158.1	1254.1	1362.4	1467.7
60°	644.2	721.3	809.4	906.5	1006.5	1122.9	1235.9	1361.0	1487.1	1608.9	1758.5
57.5°	713.6	809.4	916.7	1032.4	1162.1	1292.9	1439.8	1582.0	1752.5	1923.0	2092.5
55°	789.1	906.5	1032.4	1175.2	1324.5	1487.5	1657.9	1856.5	2048.7	2262.9	2467.9
52.5°	876.0	1006.5	1162.1	1324.5	1503.4	1699.5	1919.4	2146.8	2386.3	2618.8	2846.9
50°	960.4	1122.9	1292.9	1487.5	1699.5	1940.5	2196.2	2461.0	2722.4	2977.4	3216.3
47.5°	1058.2	1235.9	1439.8	1657.9	1919.4	2196.2	2486.0	2774.6	3056.6	3318.2	3568.8
45°	1158.1	1361.0	1582.0	1856.5	2146.8	2461.0	2774.6	3083.1	3369.6	3639.9	3876.4
42.5°	1254.1	1487.1	1752.5	2048.7	2386.3	2722.4	3056.6	3369.6	3663.0	3923.4	4161.0
40°	1362.4	1608.9	1923.0	2262.9	2618.8	2977.4	3318.2	3639.9	3923.4	4182.6	4423.2
37.5°	1467.7	1758.5	2092.5	2467.9	2846.9	3216.3	3568.8	3876.4	4161.0	4423.2	4654.0
35°	1567.8	1900.6	2272.6	2666.7	3064.5	3440.1	3783.2	4096.4	4379.1	4633.6	4869.6
32.5°	1679.0	2035.0	2443.0	2857.7	3262.9	3645.3	3985.4	4291.8	4572.9	4831.3	5065.6
30°	1793.7	2180.0	2604.8	3037.6	3449.1	3823.2	4162.7	4473.0	4751.9	5007.1	5236.7
27.5°	1900.6	2316.6	2759.2	3200.3	3619.3	3990.0	4325.0	4630.5	4911.0	5167.9	5390.4
25°	1999.4	2443.0	2902.0	3349.3	3762.5	4134.2	4472.1	4777.4	5056.3	5302.8	5519.2
22.5°	2096.8	2558.8	3033.0	3486.0	3894.1	4263.0	4597.9	4904.0	5183.0	5427.3	5634.9
20°	2191.5	2666.7	3148.5	3607.2	4013.6	4380.0	4712.4	5017.9	5289.4	5526.0	5732.6
17.5°	2275.8	2762.8	3249.5	3705.1	4111.8	4480.0	4813.8	5120.1	5385.2	5615.0	5817.0
15°	2349.4	2846.9	3337.9	3790.8	4196.2	4563.0	4896.8	5199.8	5463.1	5691.0	5891.5
12.5°	2412.2	2918.5	3413.3	3864.0	4268.4	4634.1	4967.9	5266.7	5525.6	5750.5	5946.8
10°	2463.8	2977.4	3475.4	3924.3	4328.0	4692.8	5026.7	5322.2	5577.4	5800.0	5992.8
7.5°	2504.1	3023.5	3524.0	3971.5	4374.6	4738.8	5072.9	5365.7	5618.2	5838.9	6029.1
5°	2533.0	3056.6	3558.8	4005.4	4408.1	4771.8	5106.0	5397.0	5647.6	5867.1	6055.3
2.5°	2550.4	3076.5	3579.8	4025.8	4428.3	4791.8	5126.0	5415.9	5665.3	5884.0	6071.2
0°	2556.2	3083.1	3586.8	4032.6	4435.0	4798.4	5132.7	5422.2	5671.2	5889.7	6076.5
-2.5°	2550.4	3076.5	3579.8	4025.8	4428.3	4791.8	5126.0	5415.9	5665.3	5884.0	6071.2
-5°	2533.0	3056.6	3558.8	4005.4	4408.1	4771.8	5106.0	5397.0	5647.6	5867.1	6055.3
-7.5°	2504.1	3023.5	3524.0	3971.5	4374.6	4738.8	5072.9	5365.7	5618.2	5838.9	6029.1
-10°	2463.8	2977.4	3475.4	3924.3	4328.0	4692.8	5026.7	5322.2	5577.4	5800.0	5992.8
-12.5°	2412.2	2918.5	3413.3	3864.0	4268.4	4634.1	4967.9	5266.7	5525.6	5750.5	5946.8
-15°	2349.4	2846.9	3337.9	3790.8	4196.2	4563.0	4896.8	5199.8	5463.1	5691.0	5891.5
-17.5°	2275.8	2762.8	3249.5	3705.1	4111.8	4480.0	4813.8	5120.1	5385.2	5615.0	5817.0
-20°	2191.5	2666.7	3148.5	3607.2	4013.6	4380.0	4712.4	5017.9	5289.4	5526.0	5732.6

Classified

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

Scaled Data Report



REPORT NUMBER: P645442 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2096.8	2558.8	3033.0	3486.0	3894.1	4263.0	4597.9	4904.0	5183.0	5427.3	5634.9
-25°	1999.4	2443.0	2902.0	3349.3	3762.5	4134.2	4472.1	4777.4	5056.3	5302.8	5519.2
-27.5°	1900.6	2316.6	2759.2	3200.3	3619.3	3990.0	4325.0	4630.5	4911.0	5167.9	5390.4
-30°	1793.7	2180.0	2604.8	3037.6	3449.1	3823.2	4162.7	4473.0	4751.9	5007.1	5236.7
-32.5°	1679.0	2035.0	2443.0	2857.7	3262.9	3645.3	3985.4	4291.8	4572.9	4831.3	5065.6
-35°	1567.8	1900.6	2272.6	2666.7	3064.5	3440.1	3783.2	4096.4	4379.1	4633.6	4869.6
-37.5°	1467.7	1758.5	2092.5	2467.9	2846.9	3216.3	3568.8	3876.4	4161.0	4423.2	4654.0
-40°	1362.4	1608.9	1923.0	2262.9	2618.8	2977.4	3318.2	3639.9	3923.4	4182.6	4423.2
-42.5°	1254.1	1487.1	1752.5	2048.7	2386.3	2722.4	3056.6	3369.6	3663.0	3923.4	4161.0
-45°	1158.1	1361.0	1582.0	1856.5	2146.8	2461.0	2774.6	3083.1	3369.6	3639.9	3876.4
-47.5°	1058.2	1235.9	1439.8	1657.9	1919.4	2196.2	2486.0	2774.6	3056.6	3318.2	3568.8
-50°	960.4	1122.9	1292.9	1487.5	1699.5	1940.5	2196.2	2461.0	2722.4	2977.4	3216.3
-52.5°	876.0	1006.5	1162.1	1324.5	1503.4	1699.5	1919.4	2146.8	2386.3	2618.8	2846.9
-55°	789.1	906.5	1032.4	1175.2	1324.5	1487.5	1657.9	1856.5	2048.7	2262.9	2467.9
-57.5°	713.6	809.4	916.7	1032.4	1162.1	1292.9	1439.8	1582.0	1752.5	1923.0	2092.5
-60°	644.2	721.3	809.4	906.5	1006.5	1122.9	1235.9	1361.0	1487.1	1608.9	1758.5
-62.5°	574.8	644.2	713.6	789.1	876.0	960.4	1058.2	1158.1	1254.1	1362.4	1467.7
-65°	511.1	568.1	628.9	690.6	750.7	825.5	899.7	971.3	1055.7	1139.1	1218.6
-67.5°	446.4	497.8	548.0	598.5	652.6	705.1	755.9	819.8	881.6	940.7	1001.2
-70°	378.0	426.0	471.2	514.8	557.1	599.9	644.9	688.4	730.1	774.0	823.8
-72.5°	308.3	350.3	391.4	431.4	468.7	504.6	539.3	572.8	607.3	642.1	675.1
-75°	241.4	274.2	309.1	343.4	376.7	409.0	439.9	468.5	495.9	522.1	547.0
-77.5°	176.8	204.1	230.8	256.8	282.4	309.3	335.2	360.2	384.1	406.9	428.6
-80°	118.8	133.8	154.9	175.7	195.8	215.3	234.2	252.3	269.6	287.0	304.3
-82.5°	73.8	85.1	96.1	106.8	117.2	127.2	138.0	151.5	164.5	176.9	188.7
-85°	33.4	36.2	43.4	50.6	57.5	64.2	70.7	76.9	82.8	88.5	93.9
-87.5°	16.7	18.1	19.4	20.8	22.0	23.3	24.5	25.6	26.7	27.7	28.7
-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: P645442 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-727-U-LAM-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°	29.7	30.5	31.3	32.1	32.8	33.4	34.0	34.5	35.0	35.3	35.6
85°	98.9	103.7	108.2	112.3	116.1	119.6	122.7	125.5	127.9	129.9	131.6
82.5°	199.8	210.3	220.0	229.1	237.4	245.0	251.8	257.9	263.2	267.7	271.3
80°	320.7	336.1	350.4	363.8	376.0	387.2	397.3	406.2	414.0	420.6	426.0
77.5°	448.5	466.9	484.1	500.0	514.7	528.1	540.2	550.8	560.2	568.1	574.6
75°	570.6	593.6	617.1	638.9	659.0	677.4	693.9	708.5	721.3	732.2	741.1
72.5°	706.4	735.9	765.5	799.2	830.2	858.4	883.9	906.5	926.2	943.0	956.8
70°	871.0	915.5	957.1	999.6	1044.7	1085.8	1122.9	1155.9	1184.6	1209.1	1229.2
67.5°	1068.6	1132.3	1191.9	1247.3	1305.0	1361.0	1411.5	1456.4	1495.5	1528.8	1556.2
65°	1299.7	1385.0	1464.9	1539.4	1608.9	1690.1	1763.5	1828.7	1885.6	1934.1	1974.0
62.5°	1567.8	1679.0	1793.7	1900.6	1999.4	2096.8	2191.5	2275.8	2349.4	2412.2	2463.8
60°	1900.6	2035.0	2180.0	2316.6	2443.0	2558.8	2666.7	2762.8	2846.9	2918.5	2977.4
57.5°	2272.6	2443.0	2604.8	2759.2	2902.0	3033.0	3148.5	3249.5	3337.9	3413.3	3475.4
55°	2666.7	2857.7	3037.6	3200.3	3349.3	3486.0	3607.2	3705.1	3790.8	3864.0	3924.3
52.5°	3064.5	3262.9	3449.1	3619.3	3762.5	3894.1	4013.6	4111.8	4196.2	4268.4	4328.0
50°	3440.1	3645.3	3823.2	3990.0	4134.2	4263.0	4380.0	4480.0	4563.0	4634.1	4692.8
47.5°	3783.2	3985.4	4162.7	4325.0	4472.1	4597.9	4712.4	4813.8	4896.8	4967.9	5026.7
45°	4096.4	4291.8	4473.0	4630.5	4777.4	4904.0	5017.9	5120.1	5199.8	5266.7	5322.2
42.5°	4379.1	4572.9	4751.9	4911.0	5056.3	5183.0	5289.4	5385.2	5463.1	5525.6	5577.4
40°	4633.6	4831.3	5007.1	5167.9	5302.8	5427.3	5526.0	5615.0	5691.0	5750.5	5800.0
37.5°	4869.6	5065.6	5236.7	5390.4	5519.2	5634.9	5732.6	5817.0	5891.5	5946.8	5992.8
35°	5085.2	5271.5	5440.8	5581.7	5709.4	5818.3	5914.5	5992.4	6061.7	6114.3	6156.2
32.5°	5271.5	5456.2	5613.4	5752.1	5876.7	5978.4	6070.7	6142.0	6204.9	6255.5	6294.5
30°	5440.8	5613.4	5766.5	5903.9	6017.5	6116.5	6199.6	6269.3	6327.3	6375.6	6409.9
27.5°	5581.7	5752.1	5903.9	6030.6	6139.3	6234.6	6310.7	6377.8	6428.4	6472.9	6502.4
25°	5709.4	5876.7	6017.5	6139.3	6244.8	6331.8	6404.2	6465.0	6509.9	6547.9	6569.9
22.5°	5818.3	5978.4	6116.5	6234.6	6331.8	6413.1	6481.4	6532.8	6569.5	6592.6	6605.5
20°	5914.5	6070.7	6199.6	6310.7	6404.2	6481.4	6540.5	6578.5	6604.2	6610.5	6614.2
17.5°	5992.4	6142.0	6269.3	6377.8	6465.0	6532.8	6578.5	6605.4	6613.1	6611.7	6607.9
15°	6061.7	6204.9	6327.3	6428.4	6509.9	6569.5	6604.2	6613.1	6610.8	6603.1	6591.2
12.5°	6114.3	6255.5	6375.6	6472.9	6547.9	6592.6	6610.5	6611.7	6603.1	6588.3	6571.4
10°	6156.2	6294.5	6409.9	6502.4	6569.9	6605.5	6614.2	6607.9	6591.2	6571.4	6552.6
7.5°	6189.4	6325.4	6437.2	6525.9	6584.2	6609.5	6611.5	6599.5	6579.4	6556.9	6536.6
5°	6213.4	6347.9	6457.0	6543.0	6594.7	6612.5	6609.4	6592.9	6569.6	6546.1	6527.5
2.5°	6227.9	6361.4	6469.1	6553.5	6601.1	6614.3	6608.1	6588.8	6563.5	6539.2	6521.5
0°	6232.8	6366.0	6473.1	6557.0	6603.3	6614.9	6607.7	6587.4	6561.4	6536.8	6519.4
-2.5°	6227.9	6361.4	6469.1	6553.5	6601.1	6614.3	6608.1	6588.8	6563.5	6539.2	6521.5
-5°	6213.4	6347.9	6457.0	6543.0	6594.7	6612.5	6609.4	6592.9	6569.6	6546.1	6527.5
-7.5°	6189.4	6325.4	6437.2	6525.9	6584.2	6609.5	6611.5	6599.5	6579.4	6556.9	6536.6
-10°	6156.2	6294.5	6409.9	6502.4	6569.9	6605.5	6614.2	6607.9	6591.2	6571.4	6552.6
-12.5°	6114.3	6255.5	6375.6	6472.9	6547.9	6592.6	6610.5	6611.7	6603.1	6588.3	6571.4
-15°	6061.7	6204.9	6327.3	6428.4	6509.9	6569.5	6604.2	6613.1	6610.8	6603.1	6591.2
-17.5°	5992.4	6142.0	6269.3	6377.8	6465.0	6532.8	6578.5	6605.4	6613.1	6611.7	6607.9
-20°	5914.5	6070.7	6199.6	6310.7	6404.2	6481.4	6540.5	6578.5	6604.2	6610.5	6614.2

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Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645442 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5818.3	5978.4	6116.5	6234.6	6331.8	6413.1	6481.4	6532.8	6569.5	6592.6	6605.5
-25°	5709.4	5876.7	6017.5	6139.3	6244.8	6331.8	6404.2	6465.0	6509.9	6547.9	6569.9
-27.5°	5581.7	5752.1	5903.9	6030.6	6139.3	6234.6	6310.7	6377.8	6428.4	6472.9	6502.4
-30°	5440.8	5613.4	5766.5	5903.9	6017.5	6116.5	6199.6	6269.3	6327.3	6375.6	6409.9
-32.5°	5271.5	5456.2	5613.4	5752.1	5876.7	5978.4	6070.7	6142.0	6204.9	6255.5	6294.5
-35°	5085.2	5271.5	5440.8	5581.7	5709.4	5818.3	5914.5	5992.4	6061.7	6114.3	6156.2
-37.5°	4869.6	5065.6	5236.7	5390.4	5519.2	5634.9	5732.6	5817.0	5891.5	5946.8	5992.8
-40°	4633.6	4831.3	5007.1	5167.9	5302.8	5427.3	5526.0	5615.0	5691.0	5750.5	5800.0
-42.5°	4379.1	4572.9	4751.9	4911.0	5056.3	5183.0	5289.4	5385.2	5463.1	5525.6	5577.4
-45°	4096.4	4291.8	4473.0	4630.5	4777.4	4904.0	5017.9	5120.1	5199.8	5266.7	5322.2
-47.5°	3783.2	3985.4	4162.7	4325.0	4472.1	4597.9	4712.4	4813.8	4896.8	4967.9	5026.7
-50°	3440.1	3645.3	3823.2	3990.0	4134.2	4263.0	4380.0	4480.0	4563.0	4634.1	4692.8
-52.5°	3064.5	3262.9	3449.1	3619.3	3762.5	3894.1	4013.6	4111.8	4196.2	4268.4	4328.0
-55°	2666.7	2857.7	3037.6	3200.3	3349.3	3486.0	3607.2	3705.1	3790.8	3864.0	3924.3
-57.5°	2272.6	2443.0	2604.8	2759.2	2902.0	3033.0	3148.5	3249.5	3337.9	3413.3	3475.4
-60°	1900.6	2035.0	2180.0	2316.6	2443.0	2558.8	2666.7	2762.8	2846.9	2918.5	2977.4
-62.5°	1567.8	1679.0	1793.7	1900.6	1999.4	2096.8	2191.5	2275.8	2349.4	2412.2	2463.8
-65°	1299.7	1385.0	1464.9	1539.4	1608.9	1690.1	1763.5	1828.7	1885.6	1934.1	1974.0
-67.5°	1068.6	1132.3	1191.9	1247.3	1305.0	1361.0	1411.5	1456.4	1495.5	1528.8	1556.2
-70°	871.0	915.5	957.1	999.6	1044.7	1085.8	1122.9	1155.9	1184.6	1209.1	1229.2
-72.5°	706.4	735.9	765.5	799.2	830.2	858.4	883.9	906.5	926.2	943.0	956.8
-75°	570.6	593.6	617.1	638.9	659.0	677.4	693.9	708.5	721.3	732.2	741.1
-77.5°	448.5	466.9	484.1	500.0	514.7	528.1	540.2	550.8	560.2	568.1	574.6
-80°	320.7	336.1	350.4	363.8	376.0	387.2	397.3	406.2	414.0	420.6	426.0
-82.5°	199.8	210.3	220.0	229.1	237.4	245.0	251.8	257.9	263.2	267.7	271.3
-85°	98.9	103.7	108.2	112.3	116.1	119.6	122.7	125.5	127.9	129.9	131.6
-87.5°	29.7	30.5	31.3	32.1	32.8	33.4	34.0	34.5	35.0	35.3	35.6
-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: P645442 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-727-U-LAM-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°	35.9	36.1	36.2	36.2	36.2	36.1	35.9	35.6	35.3	35.0	34.5
85°	132.9	133.8	134.4	134.6	134.4	133.8	132.9	131.6	129.9	127.9	125.5
82.5°	274.2	276.3	277.5	277.9	277.5	276.3	274.2	271.3	267.7	263.2	257.9
80°	430.2	433.3	435.1	435.7	435.1	433.3	430.2	426.0	420.6	414.0	406.2
77.5°	579.7	583.3	585.5	586.2	585.5	583.3	579.7	574.6	568.1	560.2	550.8
75°	748.0	753.0	756.0	757.0	756.0	753.0	748.0	741.1	732.2	721.3	708.5
72.5°	967.5	975.2	979.9	981.4	979.9	975.2	967.5	956.8	943.0	926.2	906.5
70°	1244.9	1256.1	1262.8	1265.1	1262.8	1256.1	1244.9	1229.2	1209.1	1184.6	1155.9
67.5°	1577.6	1592.9	1602.1	1605.2	1602.1	1592.9	1577.6	1556.2	1528.8	1495.5	1456.4
65°	2005.1	2027.4	2040.8	2045.3	2040.8	2027.4	2005.1	1974.0	1934.1	1885.6	1828.7
62.5°	2504.1	2533.0	2550.4	2556.2	2550.4	2533.0	2504.1	2463.8	2412.2	2349.4	2275.8
60°	3023.5	3056.6	3076.5	3083.1	3076.5	3056.6	3023.5	2977.4	2918.5	2846.9	2762.8
57.5°	3524.0	3558.8	3579.8	3586.8	3579.8	3558.8	3524.0	3475.4	3413.3	3337.9	3249.5
55°	3971.5	4005.4	4025.8	4032.6	4025.8	4005.4	3971.5	3924.3	3864.0	3790.8	3705.1
52.5°	4374.6	4408.1	4428.3	4435.0	4428.3	4408.1	4374.6	4328.0	4268.4	4196.2	4111.8
50°	4738.8	4771.8	4791.8	4798.4	4791.8	4771.8	4738.8	4692.8	4634.1	4563.0	4480.0
47.5°	5072.9	5106.0	5126.0	5132.7	5126.0	5106.0	5072.9	5026.7	4967.9	4896.8	4813.8
45°	5365.7	5397.0	5415.9	5422.2	5415.9	5397.0	5365.7	5322.2	5266.7	5199.8	5120.1
42.5°	5618.2	5647.6	5665.3	5671.2	5665.3	5647.6	5618.2	5577.4	5525.6	5463.1	5385.2
40°	5838.9	5867.1	5884.0	5889.7	5884.0	5867.1	5838.9	5800.0	5750.5	5691.0	5615.0
37.5°	6029.1	6055.3	6071.2	6076.5	6071.2	6055.3	6029.1	5992.8	5946.8	5891.5	5817.0
35°	6189.4	6213.4	6227.9	6232.8	6227.9	6213.4	6189.4	6156.2	6114.3	6061.7	5992.4
32.5°	6325.4	6347.9	6361.4	6366.0	6361.4	6347.9	6325.4	6294.5	6255.5	6204.9	6142.0
30°	6437.2	6457.0	6469.1	6473.1	6469.1	6457.0	6437.2	6409.9	6375.6	6327.3	6269.3
27.5°	6525.9	6543.0	6553.5	6557.0	6553.5	6543.0	6525.9	6502.4	6472.9	6428.4	6377.8
25°	6584.2	6594.7	6601.1	6603.3	6601.1	6594.7	6584.2	6569.9	6547.9	6509.9	6465.0
22.5°	6609.5	6612.5	6614.3	6614.9	6614.3	6612.5	6609.5	6605.5	6592.6	6569.5	6532.8
20°	6611.5	6609.4	6608.1	6607.7	6608.1	6609.4	6611.5	6614.2	6610.5	6604.2	6578.5
17.5°	6599.5	6592.9	6588.8	6587.4	6588.8	6592.9	6599.5	6607.9	6611.7	6613.1	6605.4
15°	6579.4	6569.6	6563.5	6561.4	6563.5	6569.6	6579.4	6591.2	6603.1	6610.8	6613.1
12.5°	6556.9	6546.1	6539.2	6536.8	6539.2	6546.1	6556.9	6571.4	6588.3	6603.1	6611.7
10°	6536.6	6527.5	6521.5	6519.4	6521.5	6527.5	6536.6	6552.6	6571.4	6591.2	6607.9
7.5°	6523.5	6515.4	6510.9	6509.3	6510.9	6515.4	6523.5	6536.6	6556.9	6579.4	6599.5
5°	6515.4	6507.3	6500.4	6497.7	6500.4	6507.3	6515.4	6527.5	6546.1	6569.6	6592.9
2.5°	6510.9	6500.4	6490.1	6484.7	6490.1	6500.4	6510.9	6521.5	6539.2	6563.5	6588.8
0°	6509.3	6497.7	6484.7	6486.1	6484.7	6497.7	6509.3	6519.4	6536.8	6561.4	6587.4
-2.5°	6510.9	6500.4	6490.1	6484.7	6490.1	6500.4	6510.9	6521.5	6539.2	6563.5	6588.8
-5°	6515.4	6507.3	6500.4	6497.7	6500.4	6507.3	6515.4	6527.5	6546.1	6569.6	6592.9
-7.5°	6523.5	6515.4	6510.9	6509.3	6510.9	6515.4	6523.5	6536.6	6556.9	6579.4	6599.5
-10°	6536.6	6527.5	6521.5	6519.4	6521.5	6527.5	6536.6	6552.6	6571.4	6591.2	6607.9
-12.5°	6556.9	6546.1	6539.2	6536.8	6539.2	6546.1	6556.9	6571.4	6588.3	6603.1	6611.7
-15°	6579.4	6569.6	6563.5	6561.4	6563.5	6569.6	6579.4	6591.2	6603.1	6610.8	6613.1
-17.5°	6599.5	6592.9	6588.8	6587.4	6588.8	6592.9	6599.5	6607.9	6611.7	6613.1	6605.4
-20°	6611.5	6609.4	6608.1	6607.7	6608.1	6609.4	6611.5	6614.2	6610.5	6604.2	6578.5



REPORT NUMBER: P645442 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6609.5	6612.5	6614.3	6614.9	6614.3	6612.5	6609.5	6605.5	6592.6	6569.5	6532.8
-25°	6584.2	6594.7	6601.1	6603.3	6601.1	6594.7	6584.2	6569.9	6547.9	6509.9	6465.0
-27.5°	6525.9	6543.0	6553.5	6557.0	6553.5	6543.0	6525.9	6502.4	6472.9	6428.4	6377.8
-30°	6437.2	6457.0	6469.1	6473.1	6469.1	6457.0	6437.2	6409.9	6375.6	6327.3	6269.3
-32.5°	6325.4	6347.9	6361.4	6366.0	6361.4	6347.9	6325.4	6294.5	6255.5	6204.9	6142.0
-35°	6189.4	6213.4	6227.9	6232.8	6227.9	6213.4	6189.4	6156.2	6114.3	6061.7	5992.4
-37.5°	6029.1	6055.3	6071.2	6076.5	6071.2	6055.3	6029.1	5992.8	5946.8	5891.5	5817.0
-40°	5838.9	5867.1	5884.0	5889.7	5884.0	5867.1	5838.9	5800.0	5750.5	5691.0	5615.0
-42.5°	5618.2	5647.6	5665.3	5671.2	5665.3	5647.6	5618.2	5577.4	5525.6	5463.1	5385.2
-45°	5365.7	5397.0	5415.9	5422.2	5415.9	5397.0	5365.7	5322.2	5266.7	5199.8	5120.1
-47.5°	5072.9	5106.0	5126.0	5132.7	5126.0	5106.0	5072.9	5026.7	4967.9	4896.8	4813.8
-50°	4738.8	4771.8	4791.8	4798.4	4791.8	4771.8	4738.8	4692.8	4634.1	4563.0	4480.0
-52.5°	4374.6	4408.1	4428.3	4435.0	4428.3	4408.1	4374.6	4328.0	4268.4	4196.2	4111.8
-55°	3971.5	4005.4	4025.8	4032.6	4025.8	4005.4	3971.5	3924.3	3864.0	3790.8	3705.1
-57.5°	3524.0	3558.8	3579.8	3586.8	3579.8	3558.8	3524.0	3475.4	3413.3	3337.9	3249.5
-60°	3023.5	3056.6	3076.5	3083.1	3076.5	3056.6	3023.5	2977.4	2918.5	2846.9	2762.8
-62.5°	2504.1	2533.0	2550.4	2556.2	2550.4	2533.0	2504.1	2463.8	2412.2	2349.4	2275.8
-65°	2005.1	2027.4	2040.8	2045.3	2040.8	2027.4	2005.1	1974.0	1934.1	1885.6	1828.7
-67.5°	1577.6	1592.9	1602.1	1605.2	1602.1	1592.9	1577.6	1556.2	1528.8	1495.5	1456.4
-70°	1244.9	1256.1	1262.8	1265.1	1262.8	1256.1	1244.9	1229.2	1209.1	1184.6	1155.9
-72.5°	967.5	975.2	979.9	981.4	979.9	975.2	967.5	956.8	943.0	926.2	906.5
-75°	748.0	753.0	756.0	757.0	756.0	753.0	748.0	741.1	732.2	721.3	708.5
-77.5°	579.7	583.3	585.5	586.2	585.5	583.3	579.7	574.6	568.1	560.2	550.8
-80°	430.2	433.3	435.1	435.7	435.1	433.3	430.2	426.0	420.6	414.0	406.2
-82.5°	274.2	276.3	277.5	277.9	277.5	276.3	274.2	271.3	267.7	263.2	257.9
-85°	132.9	133.8	134.4	134.6	134.4	133.8	132.9	131.6	129.9	127.9	125.5
-87.5°	35.9	36.1	36.2	36.2	36.2	36.1	35.9	35.6	35.3	35.0	34.5
-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: P645442 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-727-U-LAM-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°	34.0	33.4	32.8	32.1	31.3	30.5	29.7	28.7	27.7	26.7	25.6
85°	122.7	119.6	116.1	112.3	108.2	103.7	98.9	93.9	88.5	82.8	76.9
82.5°	251.8	245.0	237.4	229.1	220.0	210.3	199.8	188.7	176.9	164.5	151.5
80°	397.3	387.2	376.0	363.8	350.4	336.1	320.7	304.3	287.0	269.6	252.3
77.5°	540.2	528.1	514.7	500.0	484.1	466.9	448.5	428.6	406.9	384.1	360.2
75°	693.9	677.4	659.0	638.9	617.1	593.6	570.6	547.0	522.1	495.9	468.5
72.5°	883.9	858.4	830.2	799.2	765.5	735.9	706.4	675.1	642.1	607.3	572.8
70°	1122.9	1085.8	1044.7	999.6	957.1	915.5	871.0	823.8	774.0	730.1	688.4
67.5°	1411.5	1361.0	1305.0	1247.3	1191.9	1132.3	1068.6	1001.2	940.7	881.6	819.8
65°	1763.5	1690.1	1608.9	1539.4	1464.9	1385.0	1299.7	1218.6	1139.1	1055.7	971.3
62.5°	2191.5	2096.8	1999.4	1900.6	1793.7	1679.0	1567.8	1467.7	1362.4	1254.1	1158.1
60°	2666.7	2558.8	2443.0	2316.6	2180.0	2035.0	1900.6	1758.5	1608.9	1487.1	1361.0
57.5°	3148.5	3033.0	2902.0	2759.2	2604.8	2443.0	2272.6	2092.5	1923.0	1752.5	1582.0
55°	3607.2	3486.0	3349.3	3200.3	3037.6	2857.7	2666.7	2467.9	2262.9	2048.7	1856.5
52.5°	4013.6	3894.1	3762.5	3619.3	3449.1	3262.9	3064.5	2846.9	2618.8	2386.3	2146.8
50°	4380.0	4263.0	4134.2	3990.0	3823.2	3645.3	3440.1	3216.3	2977.4	2722.4	2461.0
47.5°	4712.4	4597.9	4472.1	4325.0	4162.7	3985.4	3783.2	3568.8	3318.2	3056.6	2774.6
45°	5017.9	4904.0	4777.4	4630.5	4473.0	4291.8	4096.4	3876.4	3639.9	3369.6	3083.1
42.5°	5289.4	5183.0	5056.3	4911.0	4751.9	4572.9	4379.1	4161.0	3923.4	3663.0	3369.6
40°	5526.0	5427.3	5302.8	5167.9	5007.1	4831.3	4633.6	4423.2	4182.6	3923.4	3639.9
37.5°	5732.6	5634.9	5519.2	5390.4	5236.7	5065.6	4869.6	4654.0	4423.2	4161.0	3876.4
35°	5914.5	5818.3	5709.4	5581.7	5440.8	5271.5	5085.2	4869.6	4633.6	4379.1	4096.4
32.5°	6070.7	5978.4	5876.7	5752.1	5613.4	5456.2	5271.5	5065.6	4831.3	4572.9	4291.8
30°	6199.6	6116.5	6017.5	5903.9	5766.5	5613.4	5440.8	5236.7	5007.1	4751.9	4473.0
27.5°	6310.7	6234.6	6139.3	6030.6	5903.9	5752.1	5581.7	5390.4	5167.9	4911.0	4630.5
25°	6404.2	6331.8	6244.8	6139.3	6017.5	5876.7	5709.4	5519.2	5302.8	5056.3	4777.4
22.5°	6481.4	6413.1	6331.8	6234.6	6116.5	5978.4	5818.3	5634.9	5427.3	5183.0	4904.0
20°	6540.5	6481.4	6404.2	6310.7	6199.6	6070.7	5914.5	5732.6	5526.0	5289.4	5017.9
17.5°	6578.5	6532.8	6465.0	6377.8	6269.3	6142.0	5992.4	5817.0	5615.0	5385.2	5120.1
15°	6604.2	6569.5	6509.9	6428.4	6327.3	6204.9	6061.7	5891.5	5691.0	5463.1	5199.8
12.5°	6610.5	6592.6	6547.9	6472.9	6375.6	6255.5	6114.3	5946.8	5750.5	5525.6	5266.7
10°	6614.2	6605.5	6569.9	6502.4	6409.9	6294.5	6156.2	5992.8	5800.0	5577.4	5322.2
7.5°	6611.5	6609.5	6584.2	6525.9	6437.2	6325.4	6189.4	6029.1	5838.9	5618.2	5365.7
5°	6609.4	6612.5	6594.7	6543.0	6457.0	6347.9	6213.4	6055.3	5867.1	5647.6	5397.0
2.5°	6608.1	6614.3	6601.1	6553.5	6469.1	6361.4	6227.9	6071.2	5884.0	5665.3	5415.9
0°	6607.7	6614.9	6603.3	6557.0	6473.1	6366.0	6232.8	6076.5	5889.7	5671.2	5422.2
-2.5°	6608.1	6614.3	6601.1	6553.5	6469.1	6361.4	6227.9	6071.2	5884.0	5665.3	5415.9
-5°	6609.4	6612.5	6594.7	6543.0	6457.0	6347.9	6213.4	6055.3	5867.1	5647.6	5397.0
-7.5°	6611.5	6609.5	6584.2	6525.9	6437.2	6325.4	6189.4	6029.1	5838.9	5618.2	5365.7
-10°	6614.2	6605.5	6569.9	6502.4	6409.9	6294.5	6156.2	5992.8	5800.0	5577.4	5322.2
-12.5°	6610.5	6592.6	6547.9	6472.9	6375.6	6255.5	6114.3	5946.8	5750.5	5525.6	5266.7
-15°	6604.2	6569.5	6509.9	6428.4	6327.3	6204.9	6061.7	5891.5	5691.0	5463.1	5199.8
-17.5°	6578.5	6532.8	6465.0	6377.8	6269.3	6142.0	5992.4	5817.0	5615.0	5385.2	5120.1
-20°	6540.5	6481.4	6404.2	6310.7	6199.6	6070.7	5914.5	5732.6	5526.0	5289.4	5017.9

Classified

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

Scaled Data Report



REPORT NUMBER: P645442 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6481.4	6413.1	6331.8	6234.6	6116.5	5978.4	5818.3	5634.9	5427.3	5183.0	4904.0
-25°	6404.2	6331.8	6244.8	6139.3	6017.5	5876.7	5709.4	5519.2	5302.8	5056.3	4777.4
-27.5°	6310.7	6234.6	6139.3	6030.6	5903.9	5752.1	5581.7	5390.4	5167.9	4911.0	4630.5
-30°	6199.6	6116.5	6017.5	5903.9	5766.5	5613.4	5440.8	5236.7	5007.1	4751.9	4473.0
-32.5°	6070.7	5978.4	5876.7	5752.1	5613.4	5456.2	5271.5	5065.6	4831.3	4572.9	4291.8
-35°	5914.5	5818.3	5709.4	5581.7	5440.8	5271.5	5085.2	4869.6	4633.6	4379.1	4096.4
-37.5°	5732.6	5634.9	5519.2	5390.4	5236.7	5065.6	4869.6	4654.0	4423.2	4161.0	3876.4
-40°	5526.0	5427.3	5302.8	5167.9	5007.1	4831.3	4633.6	4423.2	4182.6	3923.4	3639.9
-42.5°	5289.4	5183.0	5056.3	4911.0	4751.9	4572.9	4379.1	4161.0	3923.4	3663.0	3369.6
-45°	5017.9	4904.0	4777.4	4630.5	4473.0	4291.8	4096.4	3876.4	3639.9	3369.6	3083.1
-47.5°	4712.4	4597.9	4472.1	4325.0	4162.7	3985.4	3783.2	3568.8	3318.2	3056.6	2774.6
-50°	4380.0	4263.0	4134.2	3990.0	3823.2	3645.3	3440.1	3216.3	2977.4	2722.4	2461.0
-52.5°	4013.6	3894.1	3762.5	3619.3	3449.1	3262.9	3064.5	2846.9	2618.8	2386.3	2146.8
-55°	3607.2	3486.0	3349.3	3200.3	3037.6	2857.7	2666.7	2467.9	2262.9	2048.7	1856.5
-57.5°	3148.5	3033.0	2902.0	2759.2	2604.8	2443.0	2272.6	2092.5	1923.0	1752.5	1582.0
-60°	2666.7	2558.8	2443.0	2316.6	2180.0	2035.0	1900.6	1758.5	1608.9	1487.1	1361.0
-62.5°	2191.5	2096.8	1999.4	1900.6	1793.7	1679.0	1567.8	1467.7	1362.4	1254.1	1158.1
-65°	1763.5	1690.1	1608.9	1539.4	1464.9	1385.0	1299.7	1218.6	1139.1	1055.7	971.3
-67.5°	1411.5	1361.0	1305.0	1247.3	1191.9	1132.3	1068.6	1001.2	940.7	881.6	819.8
-70°	1122.9	1085.8	1044.7	999.6	957.1	915.5	871.0	823.8	774.0	730.1	688.4
-72.5°	883.9	858.4	830.2	799.2	765.5	735.9	706.4	675.1	642.1	607.3	572.8
-75°	693.9	677.4	659.0	638.9	617.1	593.6	570.6	547.0	522.1	495.9	468.5
-77.5°	540.2	528.1	514.7	500.0	484.1	466.9	448.5	428.6	406.9	384.1	360.2
-80°	397.3	387.2	376.0	363.8	350.4	336.1	320.7	304.3	287.0	269.6	252.3
-82.5°	251.8	245.0	237.4	229.1	220.0	210.3	199.8	188.7	176.9	164.5	151.5
-85°	122.7	119.6	116.1	112.3	108.2	103.7	98.9	93.9	88.5	82.8	76.9
-87.5°	34.0	33.4	32.8	32.1	31.3	30.5	29.7	28.7	27.7	26.7	25.6
-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: P645442 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-727-U-LAM-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°	24.5	23.3	22.0	20.8	19.4	18.1	16.7	15.3	13.8	12.4	10.9
85°	70.7	64.2	57.5	50.6	43.4	36.2	33.4	30.6	27.7	24.7	21.7
82.5°	138.0	127.2	117.2	106.8	96.1	85.1	73.8	62.3	50.5	38.5	32.6
80°	234.2	215.3	195.8	175.7	154.9	133.8	118.8	103.4	87.8	71.8	55.6
77.5°	335.2	309.3	282.4	256.8	230.8	204.1	176.8	148.8	124.8	104.9	84.7
75°	439.9	409.0	376.7	343.4	309.1	274.2	241.4	208.0	173.8	139.1	113.5
72.5°	539.3	504.6	468.7	431.4	391.4	350.3	308.3	266.5	226.8	186.4	145.4
70°	644.9	599.9	557.1	514.8	471.2	426.0	378.0	329.1	279.2	233.1	186.4
67.5°	755.9	705.1	652.6	598.5	548.0	497.8	446.4	392.0	336.0	279.2	226.8
65°	899.7	825.5	750.7	690.6	628.9	568.1	511.1	453.1	392.0	329.1	266.5
62.5°	1058.2	960.4	876.0	789.1	713.6	644.2	574.8	511.1	446.4	378.0	308.3
60°	1235.9	1122.9	1006.5	906.5	809.4	721.3	644.2	568.1	497.8	426.0	350.3
57.5°	1439.8	1292.9	1162.1	1032.4	916.7	809.4	713.6	628.9	548.0	471.2	391.4
55°	1657.9	1487.5	1324.5	1175.2	1032.4	906.5	789.1	690.6	598.5	514.8	431.4
52.5°	1919.4	1699.5	1503.4	1324.5	1162.1	1006.5	876.0	750.7	652.6	557.1	468.7
50°	2196.2	1940.5	1699.5	1487.5	1292.9	1122.9	960.4	825.5	705.1	599.9	504.6
47.5°	2486.0	2196.2	1919.4	1657.9	1439.8	1235.9	1058.2	899.7	755.9	644.9	539.3
45°	2774.6	2461.0	2146.8	1856.5	1582.0	1361.0	1158.1	971.3	819.8	688.4	572.8
42.5°	3056.6	2722.4	2386.3	2048.7	1752.5	1487.1	1254.1	1055.7	881.6	730.1	607.3
40°	3318.2	2977.4	2618.8	2262.9	1923.0	1608.9	1362.4	1139.1	940.7	774.0	642.1
37.5°	3568.8	3216.3	2846.9	2467.9	2092.5	1758.5	1467.7	1218.6	1001.2	823.8	675.1
35°	3783.2	3440.1	3064.5	2666.7	2272.6	1900.6	1567.8	1299.7	1068.6	871.0	706.4
32.5°	3985.4	3645.3	3262.9	2857.7	2443.0	2035.0	1679.0	1385.0	1132.3	915.5	735.9
30°	4162.7	3823.2	3449.1	3037.6	2604.8	2180.0	1793.7	1464.9	1191.9	957.1	765.5
27.5°	4325.0	3990.0	3619.3	3200.3	2759.2	2316.6	1900.6	1539.4	1247.3	999.6	799.2
25°	4472.1	4134.2	3762.5	3349.3	2902.0	2443.0	1999.4	1608.9	1305.0	1044.7	830.2
22.5°	4597.9	4263.0	3894.1	3486.0	3033.0	2558.8	2096.8	1690.1	1361.0	1085.8	858.4
20°	4712.4	4380.0	4013.6	3607.2	3148.5	2666.7	2191.5	1763.5	1411.5	1122.9	883.9
17.5°	4813.8	4480.0	4111.8	3705.1	3249.5	2762.8	2275.8	1828.7	1456.4	1155.9	906.5
15°	4896.8	4563.0	4196.2	3790.8	3337.9	2846.9	2349.4	1885.6	1495.5	1184.6	926.2
12.5°	4967.9	4634.1	4268.4	3864.0	3413.3	2918.5	2412.2	1934.1	1528.8	1209.1	943.0
10°	5026.7	4692.8	4328.0	3924.3	3475.4	2977.4	2463.8	1974.0	1556.2	1229.2	956.8
7.5°	5072.9	4738.8	4374.6	3971.5	3524.0	3023.5	2504.1	2005.1	1577.6	1244.9	967.5
5°	5106.0	4771.8	4408.1	4005.4	3558.8	3056.6	2533.0	2027.4	1592.9	1256.1	975.2
2.5°	5126.0	4791.8	4428.3	4025.8	3579.8	3076.5	2550.4	2040.8	1602.1	1262.8	979.9
0°	5132.7	4798.4	4435.0	4032.6	3586.8	3083.1	2556.2	2045.3	1605.2	1265.1	981.4
-2.5°	5126.0	4791.8	4428.3	4025.8	3579.8	3076.5	2550.4	2040.8	1602.1	1262.8	979.9
-5°	5106.0	4771.8	4408.1	4005.4	3558.8	3056.6	2533.0	2027.4	1592.9	1256.1	975.2
-7.5°	5072.9	4738.8	4374.6	3971.5	3524.0	3023.5	2504.1	2005.1	1577.6	1244.9	967.5
-10°	5026.7	4692.8	4328.0	3924.3	3475.4	2977.4	2463.8	1974.0	1556.2	1229.2	956.8
-12.5°	4967.9	4634.1	4268.4	3864.0	3413.3	2918.5	2412.2	1934.1	1528.8	1209.1	943.0
-15°	4896.8	4563.0	4196.2	3790.8	3337.9	2846.9	2349.4	1885.6	1495.5	1184.6	926.2
-17.5°	4813.8	4480.0	4111.8	3705.1	3249.5	2762.8	2275.8	1828.7	1456.4	1155.9	906.5
-20°	4712.4	4380.0	4013.6	3607.2	3148.5	2666.7	2191.5	1763.5	1411.5	1122.9	883.9



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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°	4597.9	4263.0	3894.1	3486.0	3033.0	2558.8	2096.8	1690.1	1361.0	1085.8	858.4
-25°	4472.1	4134.2	3762.5	3349.3	2902.0	2443.0	1999.4	1608.9	1305.0	1044.7	830.2
-27.5°	4325.0	3990.0	3619.3	3200.3	2759.2	2316.6	1900.6	1539.4	1247.3	999.6	799.2
-30°	4162.7	3823.2	3449.1	3037.6	2604.8	2180.0	1793.7	1464.9	1191.9	957.1	765.5
-32.5°	3985.4	3645.3	3262.9	2857.7	2443.0	2035.0	1679.0	1385.0	1132.3	915.5	735.9
-35°	3783.2	3440.1	3064.5	2666.7	2272.6	1900.6	1567.8	1299.7	1068.6	871.0	706.4
-37.5°	3568.8	3216.3	2846.9	2467.9	2092.5	1758.5	1467.7	1218.6	1001.2	823.8	675.1
-40°	3318.2	2977.4	2618.8	2262.9	1923.0	1608.9	1362.4	1139.1	940.7	774.0	642.1
-42.5°	3056.6	2722.4	2386.3	2048.7	1752.5	1487.1	1254.1	1055.7	881.6	730.1	607.3
-45°	2774.6	2461.0	2146.8	1856.5	1582.0	1361.0	1158.1	971.3	819.8	688.4	572.8
-47.5°	2486.0	2196.2	1919.4	1657.9	1439.8	1235.9	1058.2	899.7	755.9	644.9	539.3
-50°	2196.2	1940.5	1699.5	1487.5	1292.9	1122.9	960.4	825.5	705.1	599.9	504.6
-52.5°	1919.4	1699.5	1503.4	1324.5	1162.1	1006.5	876.0	750.7	652.6	557.1	468.7
-55°	1657.9	1487.5	1324.5	1175.2	1032.4	906.5	789.1	690.6	598.5	514.8	431.4
-57.5°	1439.8	1292.9	1162.1	1032.4	916.7	809.4	713.6	628.9	548.0	471.2	391.4
-60°	1235.9	1122.9	1006.5	906.5	809.4	721.3	644.2	568.1	497.8	426.0	350.3
-62.5°	1058.2	960.4	876.0	789.1	713.6	644.2	574.8	511.1	446.4	378.0	308.3
-65°	899.7	825.5	750.7	690.6	628.9	568.1	511.1	453.1	392.0	329.1	266.5
-67.5°	755.9	705.1	652.6	598.5	548.0	497.8	446.4	392.0	336.0	279.2	226.8
-70°	644.9	599.9	557.1	514.8	471.2	426.0	378.0	329.1	279.2	233.1	186.4
-72.5°	539.3	504.6	468.7	431.4	391.4	350.3	308.3	266.5	226.8	186.4	145.4
-75°	439.9	409.0	376.7	343.4	309.1	274.2	241.4	208.0	173.8	139.1	113.5
-77.5°	335.2	309.3	282.4	256.8	230.8	204.1	176.8	148.8	124.8	104.9	84.7
-80°	234.2	215.3	195.8	175.7	154.9	133.8	118.8	103.4	87.8	71.8	55.6
-82.5°	138.0	127.2	117.2	106.8	96.1	85.1	73.8	62.3	50.5	38.5	32.6
-85°	70.7	64.2	57.5	50.6	43.4	36.2	33.4	30.6	27.7	24.7	21.7
-87.5°	24.5	23.3	22.0	20.8	19.4	18.1	16.7	15.3	13.8	12.4	10.9
-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°	9.4	7.8	6.3	4.7	3.2	1.6	0.0
85°	18.7	15.7	12.6	9.4	6.3	3.2	0.0
82.5°	28.0	23.4	18.8	14.1	9.4	4.7	0.0
80°	39.2	31.2	25.0	18.8	12.6	6.3	0.0
77.5°	64.2	43.5	31.2	23.4	15.7	7.8	0.0
75°	89.0	64.2	39.2	28.0	18.7	9.4	0.0
72.5°	113.5	84.7	55.6	32.6	21.7	10.9	0.0
70°	139.1	104.9	71.8	38.5	24.7	12.4	0.0
67.5°	173.8	124.8	87.8	50.5	27.7	13.8	0.0
65°	208.0	148.8	103.4	62.3	30.6	15.3	0.0
62.5°	241.4	176.8	118.8	73.8	33.4	16.7	0.0
60°	274.2	204.1	133.8	85.1	36.2	18.1	0.0
57.5°	309.1	230.8	154.9	96.1	43.4	19.4	0.0
55°	343.4	256.8	175.7	106.8	50.6	20.8	0.0
52.5°	376.7	282.4	195.8	117.2	57.5	22.0	0.0
50°	409.0	309.3	215.3	127.2	64.2	23.3	0.0
47.5°	439.9	335.2	234.2	138.0	70.7	24.5	0.0
45°	468.5	360.2	252.3	151.5	76.9	25.6	0.0
42.5°	495.9	384.1	269.6	164.5	82.8	26.7	0.0
40°	522.1	406.9	287.0	176.9	88.5	27.7	0.0
37.5°	547.0	428.6	304.3	188.7	93.9	28.7	0.0
35°	570.6	448.5	320.7	199.8	98.9	29.7	0.0
32.5°	593.6	466.9	336.1	210.3	103.7	30.5	0.0
30°	617.1	484.1	350.4	220.0	108.2	31.3	0.0
27.5°	638.9	500.0	363.8	229.1	112.3	32.1	0.0
25°	659.0	514.7	376.0	237.4	116.1	32.8	0.0
22.5°	677.4	528.1	387.2	245.0	119.6	33.4	0.0
20°	693.9	540.2	397.3	251.8	122.7	34.0	0.0
17.5°	708.5	550.8	406.2	257.9	125.5	34.5	0.0
15°	721.3	560.2	414.0	263.2	127.9	35.0	0.0
12.5°	732.2	568.1	420.6	267.7	129.9	35.3	0.0
10°	741.1	574.6	426.0	271.3	131.6	35.6	0.0
7.5°	748.0	579.7	430.2	274.2	132.9	35.9	0.0
5°	753.0	583.3	433.3	276.3	133.8	36.1	0.0
2.5°	756.0	585.5	435.1	277.5	134.4	36.2	0.0
0°	757.0	586.2	435.7	277.9	134.6	36.2	0.0
-2.5°	756.0	585.5	435.1	277.5	134.4	36.2	0.0
-5°	753.0	583.3	433.3	276.3	133.8	36.1	0.0
-7.5°	748.0	579.7	430.2	274.2	132.9	35.9	0.0
-10°	741.1	574.6	426.0	271.3	131.6	35.6	0.0
-12.5°	732.2	568.1	420.6	267.7	129.9	35.3	0.0
-15°	721.3	560.2	414.0	263.2	127.9	35.0	0.0
-17.5°	708.5	550.8	406.2	257.9	125.5	34.5	0.0
-20°	693.9	540.2	397.3	251.8	122.7	34.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	677.4	528.1	387.2	245.0	119.6	33.4	0.0
-25°	659.0	514.7	376.0	237.4	116.1	32.8	0.0
-27.5°	638.9	500.0	363.8	229.1	112.3	32.1	0.0
-30°	617.1	484.1	350.4	220.0	108.2	31.3	0.0
-32.5°	593.6	466.9	336.1	210.3	103.7	30.5	0.0
-35°	570.6	448.5	320.7	199.8	98.9	29.7	0.0
-37.5°	547.0	428.6	304.3	188.7	93.9	28.7	0.0
-40°	522.1	406.9	287.0	176.9	88.5	27.7	0.0
-42.5°	495.9	384.1	269.6	164.5	82.8	26.7	0.0
-45°	468.5	360.2	252.3	151.5	76.9	25.6	0.0
-47.5°	439.9	335.2	234.2	138.0	70.7	24.5	0.0
-50°	409.0	309.3	215.3	127.2	64.2	23.3	0.0
-52.5°	376.7	282.4	195.8	117.2	57.5	22.0	0.0
-55°	343.4	256.8	175.7	106.8	50.6	20.8	0.0
-57.5°	309.1	230.8	154.9	96.1	43.4	19.4	0.0
-60°	274.2	204.1	133.8	85.1	36.2	18.1	0.0
-62.5°	241.4	176.8	118.8	73.8	33.4	16.7	0.0
-65°	208.0	148.8	103.4	62.3	30.6	15.3	0.0
-67.5°	173.8	124.8	87.8	50.5	27.7	13.8	0.0
-70°	139.1	104.9	71.8	38.5	24.7	12.4	0.0
-72.5°	113.5	84.7	55.6	32.6	21.7	10.9	0.0
-75°	89.0	64.2	39.2	28.0	18.7	9.4	0.0
-77.5°	64.2	43.5	31.2	23.4	15.7	7.8	0.0
-80°	39.2	31.2	25.0	18.8	12.6	6.3	0.0
-82.5°	28.0	23.4	18.8	14.1	9.4	4.7	0.0
-85°	18.7	15.7	12.6	9.4	6.3	3.2	0.0
-87.5°	9.4	7.8	6.3	4.7	3.2	1.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)