

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



Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P627340 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4B-735-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627340 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4B-735-U-VWR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (64) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

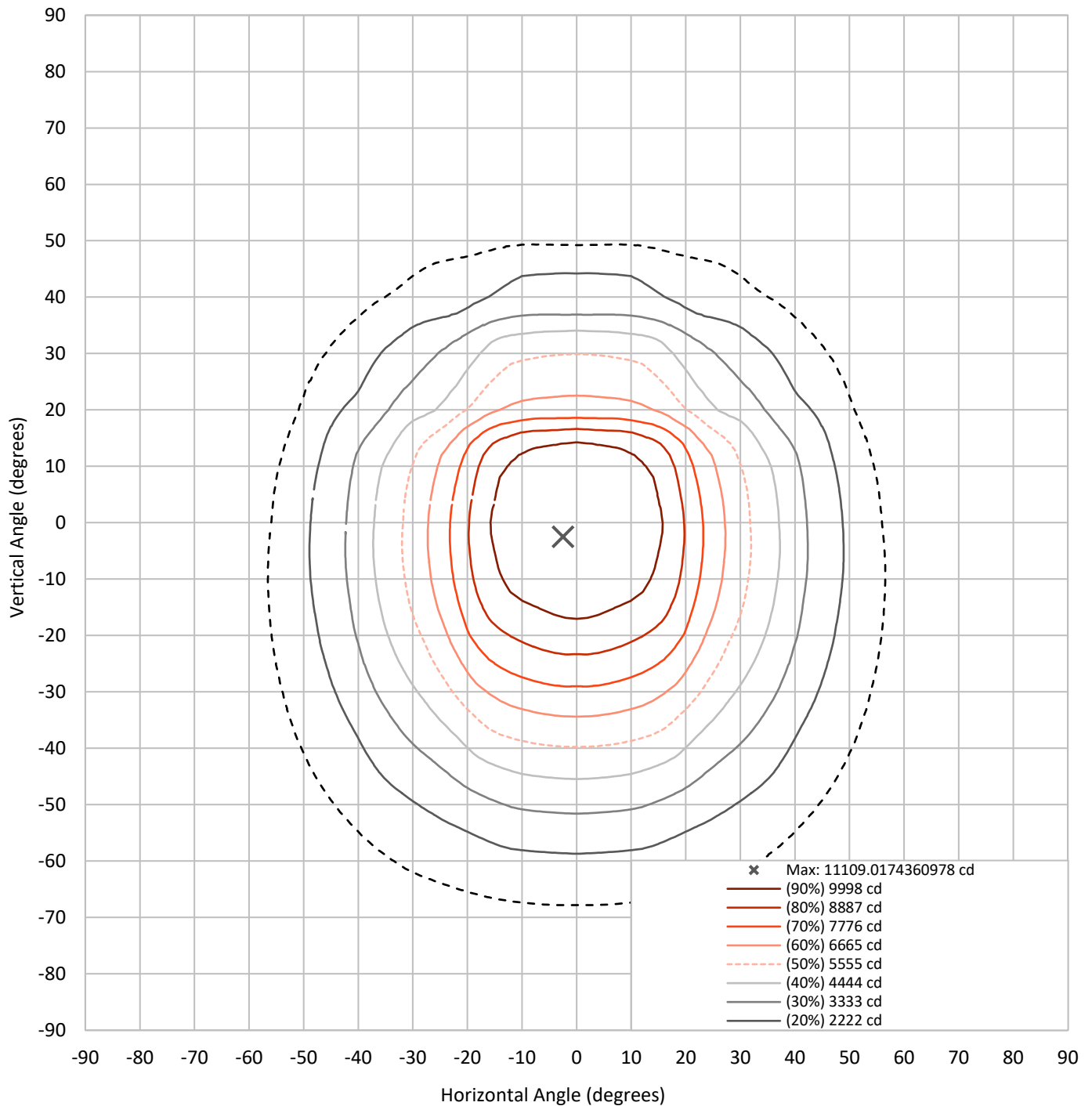
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	14825.3 lumens	Max Intensity:	11109 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	114.5 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	8577.5 lumens	Field Lumens:	14068.3 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	129.5		
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





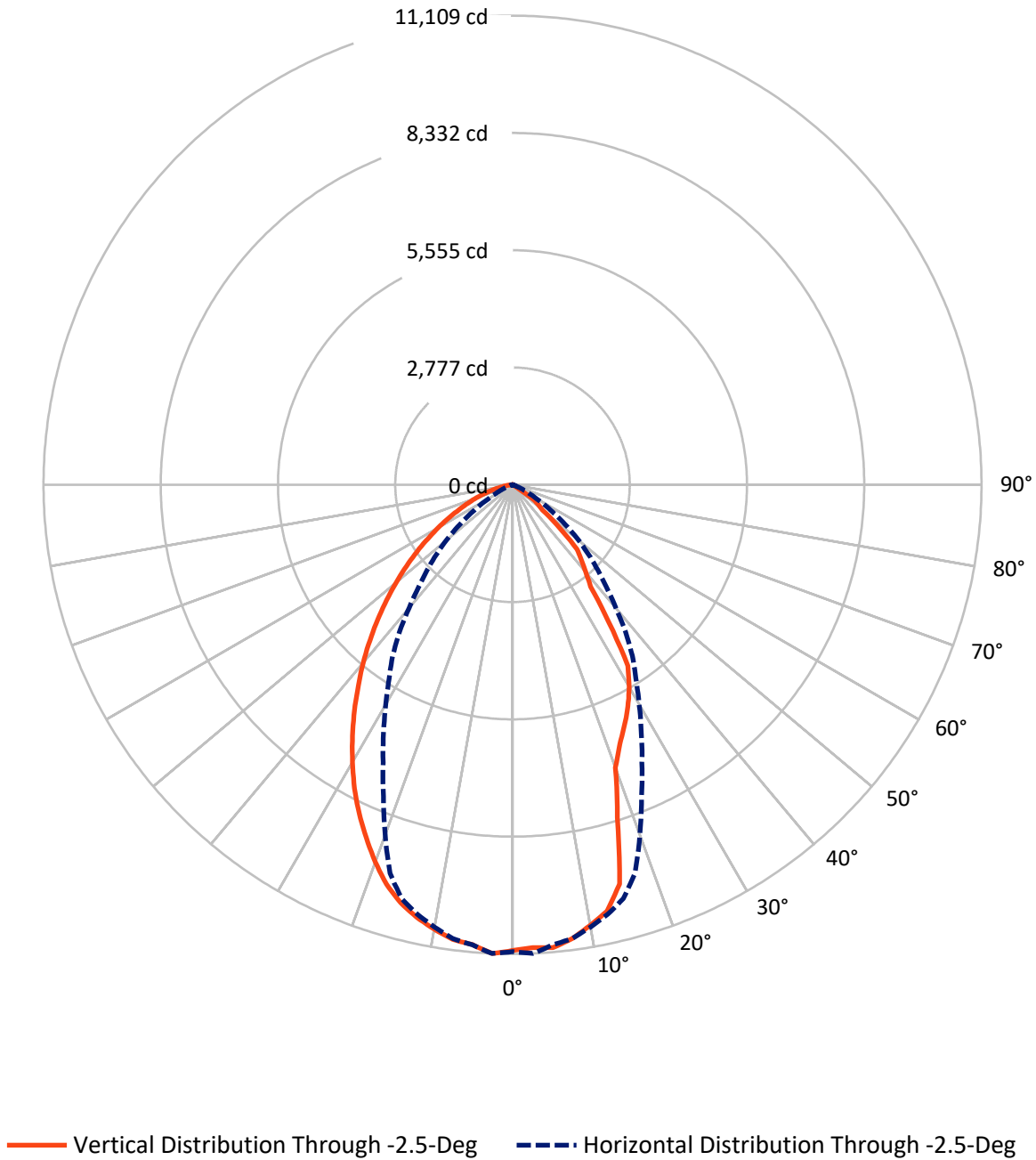
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### Lumen Table

90																			
80	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
70																			
60	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
50		0.1	0.3	1.4	4.0	7.8	11.6	14.4	14.4	11.6	7.8	4.0	1.4	0.3	0.1				
40	0.2	0.3	1.6	7.6	18.4	33.1	48.9	59.8	59.8	48.9	33.1	18.4	7.6	1.6	0.3			0.2	
30		0.7	5.5	19.3	42.9	69.7	104.4	122.1	122.1	104.4	69.7	42.9	19.3	5.5	0.7				
20	0.5	1.6	10.7	34.1	69.2	109.8	164.7	189.2	189.2	164.7	109.8	69.2	34.1	10.7	1.6			0.5	
10		2.8	16.4	50.5	99.7	164.1	244.4	280.2	280.2	244.4	164.1	99.7	50.5	16.4	2.8				
0	0.7	3.8	21.2	60.0	119.3	196.1	288.5	327.4	327.4	288.5	196.1	119.3	60.0	21.2	3.8			0.7	
-10		4.6	23.4	62.3	122.5	200.6	290.7	328.7	328.7	290.7	200.6	122.5	62.3	23.4	4.6				
-20	0.9	4.8	22.9	58.9	115.5	187.9	269.8	304.8	304.8	269.8	187.9	115.5	58.9	22.9	4.8			0.9	
-30		4.3	20.0	51.4	99.8	159.7	226.2	256.1	256.1	226.2	159.7	99.8	51.4	20.0	4.3				
-40	0.9	3.6	16.0	40.4	78.5	123.2	172.7	195.5	195.5	172.7	123.2	78.5	40.4	16.0	3.6			0.9	
-50		2.9	11.8	28.8	56.2	86.6	119.5	135.7	135.7	119.5	86.6	56.2	28.8	11.8	2.9				
-60	0.7	2.2	7.7	18.5	34.9	53.8	73.1	83.3	83.3	73.1	53.8	34.9	18.5	7.7	2.2			0.7	
-70		1.5	4.7	10.8	19.2	28.5	37.8	42.8	42.8	37.8	28.5	19.2	10.8	4.7	1.5				
-80	0.3	3.5	16.0	34.9	38.9	34.9	16.0	3.5	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

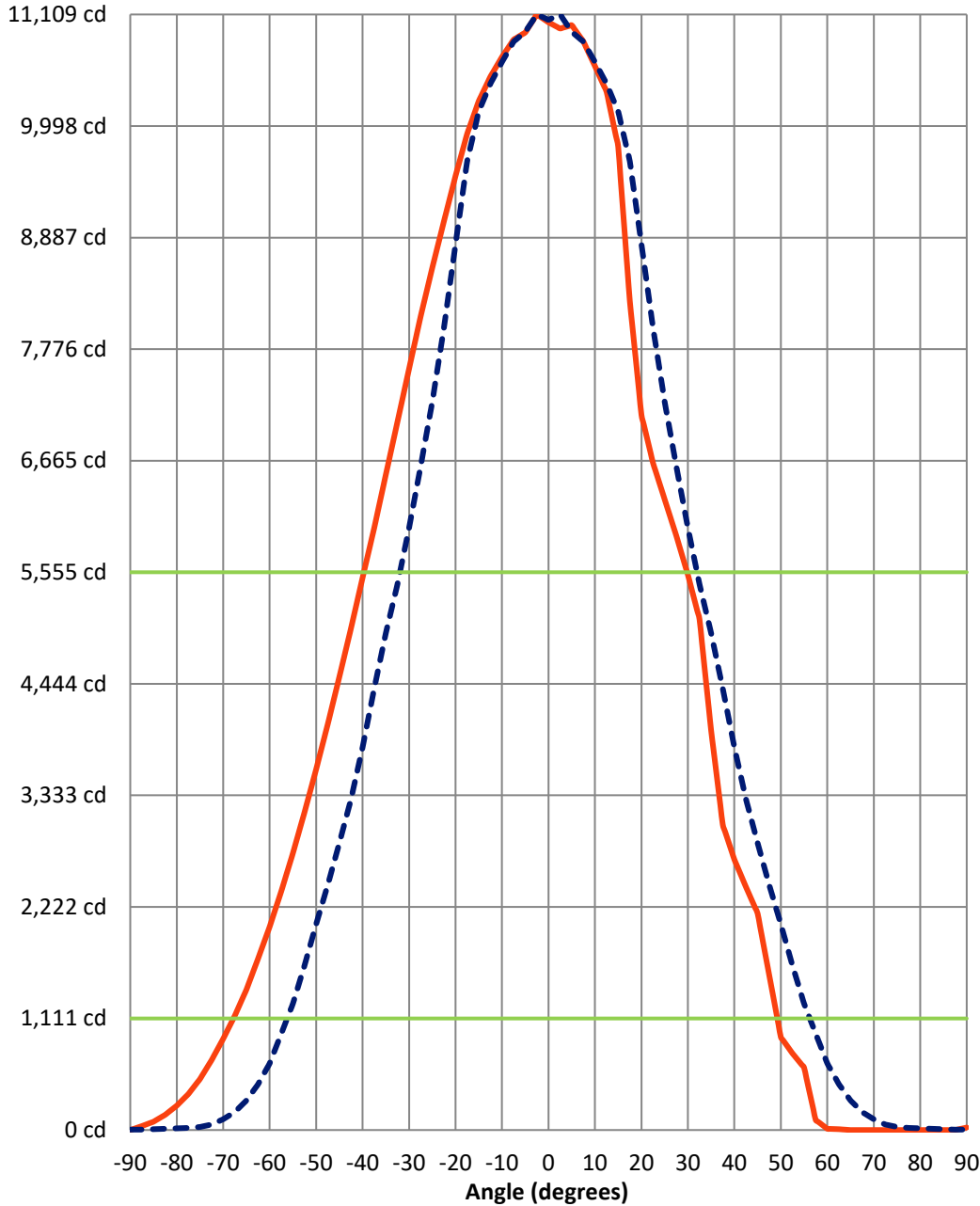
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 8577.5  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 14068.3  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 757  
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg  
 - - - Horizontal Distribution through -2.5-Deg

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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°	4.1	4.1	4.1	5.1	6.2	7.3	8.3	9.3	10.4	11.4	12.4
87.5°	4.1	4.1	4.1	4.0	3.7	3.4	3.0	2.2	1.4	0.6	0.0
85°	4.1	4.1	4.1	3.8	3.4	2.8	2.0	1.2	0.7	0.2	0.0
82.5°	4.1	4.1	4.1	3.7	3.1	2.1	1.0	0.3	0.1	0.6	1.1
80°	4.1	4.1	4.1	3.6	2.7	1.5	0.2	0.8	1.5	2.1	2.8
77.5°	4.1	4.1	4.1	3.5	2.4	1.4	1.3	2.0	2.9	3.7	3.7
75°	4.1	4.1	4.1	3.4	2.2	2.0	2.3	3.2	4.0	3.3	2.2
72.5°	4.1	4.1	4.1	3.3	2.6	2.7	3.3	4.0	3.5	2.4	0.7
70°	4.1	4.1	4.1	3.3	2.9	3.3	4.1	3.9	3.0	1.6	1.9
67.5°	4.1	4.1	4.1	3.4	3.3	3.8	4.2	3.8	2.7	3.2	3.7
65°	4.1	4.1	4.1	3.6	3.6	4.3	4.4	3.7	4.1	4.8	5.1
62.5°	4.1	4.1	4.1	3.7	3.8	4.6	4.6	4.7	5.6	6.3	5.7
60°	4.1	4.1	4.1	3.8	4.1	4.9	4.9	5.9	7.0	7.2	6.4
57.5°	4.1	4.1	4.1	3.9	4.5	5.3	5.9	7.2	8.2	8.3	8.1
55°	4.1	4.1	4.2	4.0	4.9	5.8	6.9	8.4	9.4	9.6	10.1
52.5°	4.1	4.1	4.3	4.0	5.4	6.3	8.0	9.6	10.8	11.4	12.0
50°	4.1	4.1	4.4	4.1	5.8	7.2	9.0	10.8	12.3	13.2	14.0
47.5°	4.1	4.1	4.5	4.2	6.3	8.0	10.0	11.9	13.8	14.9	15.9
45°	4.1	4.1	4.6	4.6	6.8	8.8	11.0	13.1	15.3	16.6	17.8
42.5°	4.1	4.1	4.7	5.0	7.3	9.6	11.9	14.3	16.8	18.4	21.6
40°	4.1	4.1	4.9	5.5	7.9	10.4	12.8	15.7	18.5	20.1	25.9
37.5°	4.1	4.1	5.1	6.0	8.5	11.1	13.7	17.2	20.2	22.8	30.1
35°	4.1	4.1	5.2	6.6	9.1	11.8	14.6	18.7	22.0	28.0	38.4
32.5°	4.1	4.1	5.4	7.1	9.6	12.5	15.6	20.3	23.9	34.2	54.7
30°	4.1	4.1	5.6	7.6	10.2	13.2	16.8	21.9	25.9	41.2	70.6
27.5°	4.1	4.1	5.8	8.1	10.8	13.8	18.0	23.5	29.3	48.9	86.1
25°	4.1	4.1	6.1	8.6	11.5	14.5	19.3	25.1	35.3	60.3	101.2
22.5°	4.1	4.1	6.3	9.1	12.1	15.1	20.5	26.7	41.7	72.7	121.1
20°	4.1	4.1	6.5	9.5	12.7	15.9	21.7	28.4	48.2	84.6	141.0
17.5°	4.1	4.1	6.8	10.0	13.3	16.6	22.9	30.0	54.9	95.8	160.5
15°	4.1	4.1	7.0	10.4	13.8	17.3	24.0	32.1	61.6	106.2	179.4
12.5°	4.1	4.1	7.2	10.8	14.4	17.9	25.1	34.9	69.1	115.9	197.6
10°	4.1	4.1	7.5	11.1	14.9	18.6	26.0	38.0	77.0	127.2	215.8
7.5°	4.1	4.1	7.7	11.5	15.3	19.2	26.9	41.1	84.5	138.2	234.9
5°	4.1	4.1	7.9	11.8	15.8	19.7	27.7	44.1	91.6	148.4	252.5
2.5°	4.1	4.1	8.1	12.1	16.2	20.2	28.4	47.1	98.0	157.6	268.3
0°	4.1	4.1	8.3	12.4	16.6	20.7	29.0	49.8	103.7	165.9	282.0
-2.5°	4.1	4.1	8.3	12.4	16.6	20.7	29.0	49.8	103.7	165.9	282.0
-5°	4.1	4.1	8.3	12.4	17.2	21.6	32.1	59.5	111.1	190.5	304.4
-7.5°	4.1	4.1	8.2	12.3	17.5	21.9	33.4	63.5	113.7	199.8	312.3
-10°	4.1	4.1	8.2	12.2	17.7	22.2	34.5	66.8	115.6	206.6	318.1
-12.5°	4.1	4.1	8.1	12.1	17.8	22.5	35.3	69.3	116.9	210.1	322.6
-15°	4.1	4.1	8.0	12.0	17.9	22.7	35.8	70.8	119.4	209.8	324.3
-17.5°	4.1	4.1	7.9	11.8	17.8	22.9	36.0	72.4	122.9	207.6	322.3
-20°	4.1	4.1	7.8	11.7	17.7	23.1	36.9	73.9	125.3	203.8	316.4

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CATALOG NUMBER: GFLD-SA4B-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.1	4.1	7.7	11.5	17.5	23.2	39.3	74.5	126.3	198.4	306.3
-25°	4.1	4.1	7.5	11.2	17.2	24.7	41.2	74.3	125.9	191.4	292.0
-27.5°	4.1	4.1	7.3	11.0	16.8	26.6	42.7	73.2	124.1	185.4	281.5
-30°	4.1	4.1	7.2	10.7	16.4	28.3	43.8	71.2	121.8	182.7	269.7
-32.5°	4.1	4.1	7.0	10.5	17.0	29.6	44.3	71.3	118.9	178.1	256.4
-35°	4.1	4.1	6.8	10.2	17.4	30.7	45.5	71.7	114.7	171.7	241.6
-37.5°	4.1	4.1	6.6	9.8	17.7	31.4	46.7	71.4	109.4	163.4	235.0
-40°	4.1	4.1	6.3	9.5	17.8	31.6	47.4	70.4	103.0	155.4	227.7
-42.5°	4.1	4.1	6.1	9.3	17.9	31.6	47.7	68.8	99.3	149.0	216.4
-45°	4.1	4.1	5.8	9.4	18.0	31.4	47.5	67.3	96.6	141.0	202.2
-47.5°	4.1	4.1	5.6	9.3	17.9	30.9	46.7	66.3	93.1	131.5	191.0
-50°	4.1	4.1	5.3	9.2	17.6	30.2	45.8	64.7	90.3	128.1	177.7
-52.5°	4.1	4.1	5.0	9.0	17.1	29.3	44.5	62.4	88.0	123.5	163.4
-55°	4.1	4.1	4.7	8.8	16.3	28.1	42.9	59.6	85.1	117.9	156.6
-57.5°	4.1	4.1	4.4	8.4	15.4	26.6	41.0	57.1	81.1	112.0	148.5
-60°	4.1	4.1	4.1	8.1	14.4	24.8	38.7	54.3	76.1	105.0	139.2
-62.5°	4.1	4.1	4.1	7.6	13.6	22.7	35.6	50.6	69.8	96.8	128.4
-65°	4.1	4.1	4.1	7.1	12.7	20.3	32.1	45.8	62.1	85.9	116.1
-67.5°	4.1	4.1	4.1	6.5	11.7	18.3	28.2	40.2	53.3	73.1	99.7
-70°	4.1	4.1	4.1	5.9	10.6	16.6	24.1	34.3	45.7	59.0	80.6
-72.5°	4.1	4.1	4.1	5.8	9.4	14.8	21.2	28.1	37.7	48.9	61.7
-75°	4.1	4.1	4.1	5.8	8.2	12.9	18.5	23.7	29.3	38.5	49.1
-77.5°	4.1	4.1	4.1	5.7	7.8	10.8	15.6	19.9	24.3	29.2	36.0
-80°	4.1	4.1	4.1	5.6	7.5	9.8	12.6	16.0	19.6	23.5	27.7
-82.5°	4.1	4.1	4.1	5.5	7.2	9.2	11.4	13.0	14.8	17.7	20.9
-85°	4.1	4.1	4.1	5.4	6.9	8.6	10.4	11.8	13.2	14.5	15.9
-87.5°	4.1	4.1	4.1	5.3	6.6	7.9	9.4	10.6	11.8	13.0	14.2
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.1	2.0	1.0	0.0





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CATALOG NUMBER: GFLD-SA4B-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	13.5	14.5	15.6
87.5°	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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.2	1.1	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.7	2.2	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.3	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.9	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.7	1.2	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2.3	2.5	1.7	0.7	0.0	0.2	0.6	0.4	0.0	0.2	0.5
67.5°	3.8	2.8	1.9	1.2	1.5	2.1	1.9	2.1	2.2	2.4	2.1
65°	4.0	3.0	3.1	3.6	4.0	4.5	4.8	5.1	4.3	3.7	3.8
62.5°	4.3	4.7	5.4	6.0	6.6	7.2	7.2	6.4	4.9	6.1	7.0
60°	6.1	6.8	7.6	8.5	9.3	9.7	9.3	9.4	10.4	12.1	23.3
57.5°	8.3	8.9	9.9	11.2	12.3	12.5	12.9	14.0	32.8	53.7	59.3
55°	10.5	10.9	12.7	14.7	15.9	15.8	22.7	47.9	72.4	100.2	110.5
52.5°	12.6	13.5	16.5	18.9	20.5	32.0	57.6	91.8	127.9	159.9	201.3
50°	14.7	17.7	20.8	24.5	39.0	68.8	106.4	153.1	207.4	258.6	311.0
47.5°	18.4	22.2	26.9	38.6	76.9	118.4	170.3	245.4	312.4	374.3	446.2
45°	22.8	30.6	35.9	76.4	120.9	174.4	262.3	354.1	414.9	497.8	625.0
42.5°	27.3	42.4	68.5	115.4	169.7	255.9	364.8	443.1	524.0	658.4	792.1
40°	39.3	56.9	103.4	159.1	227.9	353.7	465.5	554.1	664.6	813.5	953.1
37.5°	53.9	86.8	138.9	205.8	319.2	457.1	576.9	703.5	830.5	970.9	1229.8
35°	70.0	114.6	183.9	274.2	410.7	571.9	714.6	856.1	1002.4	1278.9	1535.8
32.5°	91.1	140.2	231.0	353.7	509.5	686.5	852.1	1015.6	1250.4	1563.3	1821.0
30°	113.8	181.4	285.2	427.3	602.6	791.4	990.6	1188.5	1499.2	1758.1	2038.0
27.5°	137.6	224.8	348.8	504.2	689.7	890.4	1115.2	1397.6	1674.7	1930.5	2238.1
25°	161.9	270.0	406.9	577.8	775.4	997.4	1256.0	1599.9	1816.7	2099.4	2420.2
22.5°	193.2	313.3	464.4	644.4	854.8	1107.4	1437.1	1782.5	2037.6	2275.4	2588.8
20°	229.5	362.0	527.0	727.9	932.7	1214.8	1617.2	1980.5	2280.6	2552.9	2840.7
17.5°	263.3	407.6	594.0	813.2	1045.9	1352.5	1793.9	2196.0	2526.3	2829.7	3189.0
15°	294.6	449.7	659.5	893.9	1157.2	1510.1	1952.4	2394.0	2771.1	3112.5	3520.9
12.5°	323.2	488.2	722.7	969.4	1262.0	1646.1	2085.5	2516.5	2931.0	3375.8	3839.3
10°	349.0	522.8	782.4	1039.1	1359.2	1761.0	2195.4	2618.7	3036.8	3507.6	4022.5
7.5°	376.7	555.2	836.6	1102.5	1447.6	1856.0	2283.3	2700.7	3122.3	3613.0	4141.6
5°	402.2	585.0	879.6	1147.9	1515.9	1930.1	2349.4	2762.9	3187.2	3691.5	4231.8
2.5°	424.7	610.0	914.6	1183.5	1566.6	1984.7	2392.3	2814.8	3235.4	3755.3	4300.6
0°	443.7	630.3	941.3	1210.9	1604.9	2023.7	2417.6	2848.9	3263.6	3798.6	4346.0
-2.5°	455.9	663.6	959.7	1258.6	1638.3	2049.3	2440.2	2858.5	3294.0	3812.3	4396.8
-5°	464.5	690.5	970.7	1295.4	1660.2	2060.5	2447.7	2851.1	3302.1	3808.8	4404.3
-7.5°	469.4	709.6	975.9	1316.3	1667.9	2053.8	2435.1	2837.1	3288.8	3795.8	4371.4
-10°	472.3	715.5	983.0	1309.9	1657.7	2031.5	2407.1	2804.1	3251.2	3753.4	4308.8
-12.5°	480.1	711.7	981.8	1296.0	1636.0	1997.9	2365.5	2752.0	3188.5	3681.0	4222.3
-15°	482.1	703.2	970.0	1275.5	1602.6	1954.0	2311.0	2680.4	3111.2	3610.5	4126.7
-17.5°	477.7	690.3	947.0	1249.3	1558.0	1900.8	2246.8	2616.0	3038.7	3529.2	4026.2
-20°	466.6	673.6	912.3	1218.3	1505.0	1841.6	2182.6	2548.4	2955.3	3416.4	3913.8



REPORT NUMBER: P627340 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	448.4	653.4	874.8	1175.2	1459.2	1773.7	2107.4	2456.4	2850.9	3270.1	3762.7
-25°	429.7	630.6	845.2	1115.9	1404.2	1694.3	2020.9	2343.8	2728.2	3139.9	3577.0
-27.5°	411.9	598.7	814.5	1050.9	1339.4	1609.5	1923.1	2238.1	2590.2	2993.7	3396.1
-30°	388.6	564.2	776.9	988.5	1262.0	1529.7	1814.0	2124.0	2440.7	2823.6	3219.5
-32.5°	368.0	528.4	734.2	940.8	1178.7	1439.9	1696.4	1991.9	2300.9	2627.4	3018.6
-35°	354.3	507.3	688.9	885.9	1093.7	1342.1	1586.1	1842.8	2142.2	2448.5	2792.0
-37.5°	343.2	482.9	641.2	828.5	1026.4	1239.6	1468.0	1704.2	1965.4	2274.3	2597.3
-40°	325.7	455.6	605.8	773.9	948.5	1142.4	1354.4	1568.2	1794.6	2096.4	2415.1
-42.5°	303.2	429.1	572.6	714.5	874.0	1051.0	1239.4	1440.7	1658.3	1920.5	2213.4
-45°	286.0	395.2	535.6	662.7	794.7	956.5	1133.5	1315.9	1521.1	1746.2	2009.3
-47.5°	264.0	358.3	487.2	606.0	722.2	860.4	1022.3	1194.9	1376.6	1579.5	1795.1
-50°	240.6	327.5	428.0	543.6	654.5	769.4	907.4	1067.1	1232.0	1408.8	1601.2
-52.5°	222.8	291.5	383.2	479.5	585.2	689.4	806.9	943.8	1091.1	1238.8	1408.0
-55°	202.7	265.0	340.6	426.9	516.9	613.4	720.4	840.3	960.3	1096.0	1231.0
-57.5°	188.5	239.6	305.0	380.0	460.9	542.9	643.9	745.2	856.4	968.7	1080.7
-60°	177.4	217.6	271.9	337.9	409.9	486.6	569.5	663.1	758.8	850.5	947.3
-62.5°	164.7	199.7	242.1	296.0	361.1	427.7	500.8	581.0	667.6	744.8	819.8
-65°	148.3	178.7	215.1	259.0	310.1	366.5	428.7	496.3	571.1	633.8	695.1
-67.5°	129.5	155.1	185.6	221.5	264.1	308.1	353.7	410.9	471.7	522.8	572.7
-70°	105.9	129.5	154.5	183.7	217.1	254.4	294.6	336.0	377.6	419.4	465.1
-72.5°	81.0	102.6	123.7	144.6	171.2	201.7	234.5	269.3	305.6	341.3	376.0
-75°	61.8	75.7	94.3	113.0	131.5	151.4	173.6	201.3	235.0	269.6	301.3
-77.5°	46.7	58.4	70.7	83.6	95.3	109.9	126.0	143.2	171.0	203.0	235.2
-80°	33.7	40.7	50.5	60.9	69.1	77.2	85.6	94.3	115.0	140.8	168.2
-82.5°	25.0	29.8	35.2	41.3	45.4	49.4	53.9	59.7	75.0	92.4	110.8
-85°	17.2	18.6	21.5	24.9	27.2	29.6	32.0	34.4	42.7	52.0	62.0
-87.5°	14.8	15.5	16.3	17.2	17.5	17.7	18.0	18.3	21.1	24.0	27.0
-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: P627340 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	16.6	17.6	18.7	19.7	20.7	21.8	22.8	23.9	24.9	24.9	24.9
87.5°	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
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.4	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1.9	2.1	2.1	1.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
65°	4.3	4.1	3.1	2.0	1.0	1.6	2.5	3.0	3.0	2.7	2.1
62.5°	6.5	6.0	5.4	6.3	7.6	8.7	8.4	7.9	7.3	7.0	7.3
60°	24.5	16.4	18.9	23.7	22.2	15.2	25.0	28.2	24.1	16.5	15.9
57.5°	62.2	60.0	68.7	100.4	110.5	100.7	120.3	146.0	145.3	125.1	124.5
55°	132.4	177.7	232.3	241.1	279.1	355.3	414.7	388.7	388.5	408.0	471.1
52.5°	251.6	294.3	310.1	352.6	432.0	489.7	526.8	565.1	607.2	650.1	693.5
50°	369.2	410.6	457.7	501.2	611.2	670.3	660.5	739.9	841.6	905.1	937.7
47.5°	541.5	606.9	706.3	862.2	944.3	1003.6	1077.4	1167.4	1283.9	1441.9	1563.6
45°	744.4	847.2	1001.1	1166.7	1294.1	1352.1	1436.6	1575.9	1761.7	1942.5	2074.6
42.5°	910.2	1051.2	1224.9	1383.1	1487.0	1582.3	1691.7	1809.2	2021.9	2215.1	2367.8
40°	1126.7	1236.5	1431.3	1580.4	1673.5	1768.0	1941.2	2117.1	2317.2	2497.2	2622.3
37.5°	1401.0	1524.5	1727.2	1895.9	1985.5	2018.8	2313.5	2558.4	2721.0	2950.7	3025.9
35°	1695.7	1899.1	2157.3	2376.0	2463.8	2639.0	2942.6	3284.3	3654.5	3790.6	3906.7
32.5°	2024.4	2275.4	2625.8	2860.5	2985.7	3251.7	3635.9	4000.6	4484.7	4747.4	4825.9
30°	2325.2	2613.2	2914.3	3142.4	3356.7	3677.0	4027.3	4477.0	4924.6	5260.5	5364.8
27.5°	2545.9	2864.6	3154.1	3367.7	3609.4	3954.8	4391.6	4847.0	5286.4	5629.1	5750.8
25°	2756.6	3116.8	3346.0	3594.4	3878.2	4254.6	4738.7	5244.7	5677.5	5967.1	6116.4
22.5°	2996.3	3351.4	3597.5	3807.9	4179.0	4612.7	5062.1	5633.8	6092.3	6323.4	6485.3
20°	3243.6	3645.4	4025.5	4221.2	4542.4	5091.5	5594.5	6134.3	6577.0	6817.9	6988.4
17.5°	3588.8	4100.8	4567.0	4844.1	5188.0	5844.6	6472.3	7018.2	7634.2	7851.7	8060.1
15°	3952.7	4545.3	5091.4	5530.5	5974.7	6625.3	7433.2	8092.1	8794.9	9108.7	9463.5
12.5°	4315.5	4876.2	5371.0	5937.5	6563.5	7139.0	7908.2	8728.6	9366.4	9766.6	10005.5
10°	4586.6	5107.4	5583.6	6151.4	6776.2	7427.2	8191.5	9032.6	9700.2	10041.7	10236.7
7.5°	4733.0	5231.5	5733.7	6309.1	6931.1	7624.4	8412.0	9246.4	9929.0	10259.9	10452.4
5°	4841.7	5320.4	5840.4	6446.1	7075.1	7778.1	8564.6	9389.0	10011.5	10363.2	10606.6
2.5°	4907.4	5376.9	5908.5	6534.7	7165.3	7897.4	8721.9	9576.5	10121.1	10404.1	10627.9
0°	4926.5	5399.3	5946.7	6581.1	7228.1	7966.2	8783.2	9629.1	10180.7	10454.4	10682.4
-2.5°	4948.0	5434.7	5997.1	6611.2	7252.6	7988.7	8822.6	9646.9	10143.1	10419.2	10636.2
-5°	4933.0	5437.5	5998.2	6586.3	7232.0	7962.2	8762.7	9533.5	10052.5	10351.1	10566.8
-7.5°	4888.4	5400.0	5954.9	6520.2	7153.5	7892.1	8689.2	9431.4	9957.2	10272.0	10508.1
-10°	4823.4	5320.1	5878.9	6451.3	7077.1	7780.1	8565.0	9302.8	9805.9	10140.3	10415.4
-12.5°	4751.5	5237.9	5776.4	6325.5	6944.4	7638.7	8399.2	9097.6	9597.8	9962.5	10159.0
-15°	4644.8	5130.9	5645.8	6176.9	6780.2	7453.7	8180.1	8850.2	9341.4	9638.1	9855.4
-17.5°	4509.1	4986.1	5474.2	5977.9	6546.3	7209.6	7940.5	8601.3	9001.7	9266.7	9480.3
-20°	4363.7	4804.9	5267.3	5742.6	6293.5	6950.6	7668.4	8244.8	8622.1	8876.8	9078.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627340 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4197.7	4622.5	5045.8	5500.3	6040.4	6642.8	7276.8	7833.8	8239.6	8471.5	8657.8
-25°	4008.2	4421.5	4823.4	5262.3	5758.8	6300.3	6889.8	7437.1	7800.6	8046.9	8231.7
-27.5°	3804.2	4192.4	4585.1	4979.2	5425.5	5965.0	6511.0	7019.5	7329.7	7578.0	7763.9
-30°	3600.4	3949.6	4312.9	4686.1	5104.9	5591.4	6102.1	6529.7	6856.8	7098.0	7270.6
-32.5°	3379.7	3711.1	4032.9	4381.7	4776.0	5204.8	5652.9	6059.7	6409.3	6630.2	6775.7
-35°	3153.6	3474.4	3769.0	4085.5	4433.4	4803.4	5217.1	5618.2	5963.4	6138.2	6280.0
-37.5°	2918.1	3238.0	3517.3	3781.7	4081.4	4424.0	4826.9	5209.7	5508.0	5658.2	5786.0
-40°	2713.4	2994.9	3246.3	3499.4	3743.0	4047.3	4423.3	4793.8	5033.1	5179.6	5298.3
-42.5°	2514.6	2752.1	2957.9	3184.8	3428.6	3728.6	4032.0	4342.7	4535.0	4697.6	4822.6
-45°	2283.0	2495.4	2688.4	2877.1	3099.4	3373.2	3648.8	3897.7	4077.9	4235.0	4356.7
-47.5°	2027.0	2231.9	2419.4	2588.1	2794.8	3023.1	3255.2	3462.3	3640.2	3795.5	3904.1
-50°	1788.3	1971.4	2154.5	2325.2	2504.2	2689.0	2877.3	3059.0	3227.9	3378.8	3471.2
-52.5°	1574.5	1743.5	1903.5	2052.7	2209.4	2365.5	2521.4	2687.9	2843.2	2986.0	3059.8
-55°	1381.0	1533.4	1677.8	1803.5	1929.3	2053.1	2186.7	2340.4	2483.5	2615.7	2668.7
-57.5°	1207.4	1337.8	1465.5	1571.9	1674.5	1773.0	1890.3	2020.1	2145.3	2258.7	2302.0
-60°	1047.7	1151.1	1258.0	1352.3	1441.8	1526.2	1628.5	1733.0	1834.6	1920.0	1956.9
-62.5°	900.8	989.3	1070.2	1146.9	1222.7	1298.7	1381.3	1464.1	1546.2	1612.0	1645.3
-65°	759.1	829.6	894.6	957.7	1018.9	1082.7	1147.4	1210.4	1271.1	1318.2	1347.0
-67.5°	626.2	679.7	731.3	780.4	831.6	883.4	934.0	982.2	1027.9	1064.2	1091.8
-70°	508.3	549.7	590.1	630.8	673.6	713.8	751.9	788.0	821.9	848.1	869.4
-72.5°	409.7	443.4	478.2	514.9	549.4	579.5	606.9	633.3	658.5	673.3	684.4
-75°	330.3	358.6	389.0	418.6	447.5	470.3	490.4	509.9	528.6	529.6	525.9
-77.5°	266.9	292.1	315.6	338.9	361.9	376.0	388.3	401.0	413.8	406.4	394.7
-80°	195.9	216.9	236.9	256.9	276.9	285.3	291.1	296.2	300.4	290.8	278.8
-82.5°	130.0	143.3	156.2	169.4	182.8	188.1	192.1	195.4	198.0	189.2	179.2
-85°	72.5	78.9	85.2	91.5	97.9	101.6	105.0	108.1	111.0	105.8	99.9
-87.5°	30.2	31.6	33.0	34.4	35.7	37.1	38.4	39.7	40.9	41.1	41.2
-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: P627340 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	23.9
87.5°	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
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.2	0.2	0.0	0.0	0.0	0.2	1.2	2.1	2.7	3.0	3.0
62.5°	7.6	7.9	8.2	8.3	8.2	7.9	7.6	7.3	7.0	7.3	7.9
60°	14.6	12.8	12.3	12.4	12.3	12.8	14.6	15.9	16.5	24.1	28.2
57.5°	115.0	98.4	100.9	112.0	100.9	98.4	115.0	124.5	125.1	145.3	146.0
55°	537.2	599.7	621.8	609.6	621.8	599.7	537.2	471.1	408.0	388.5	388.7
52.5°	727.9	753.5	763.4	763.0	763.4	753.5	727.9	693.5	650.1	607.2	565.1
50°	947.6	938.9	925.6	912.3	925.6	938.9	947.6	937.7	905.1	841.6	739.9
47.5°	1581.4	1554.0	1542.4	1563.4	1542.4	1554.0	1581.4	1563.6	1441.9	1283.9	1167.4
45°	2101.5	2133.6	2157.6	2156.4	2157.6	2133.6	2101.5	2074.6	1942.5	1761.7	1575.9
42.5°	2397.7	2414.8	2419.7	2413.5	2419.7	2414.8	2397.7	2367.8	2215.1	2021.9	1809.2
40°	2661.6	2682.0	2693.4	2703.8	2693.4	2682.0	2661.6	2622.3	2497.2	2317.2	2117.1
37.5°	3050.6	3058.1	3041.8	3031.4	3041.8	3058.1	3050.6	3025.9	2950.7	2721.0	2558.4
35°	4004.6	4024.1	3978.9	4026.7	3978.9	4024.1	4004.6	3906.7	3790.6	3654.5	3284.3
32.5°	4919.4	5011.0	5085.0	5146.3	5085.0	5011.0	4919.4	4825.9	4747.4	4484.7	4000.6
30°	5437.6	5496.7	5528.4	5536.1	5528.4	5496.7	5437.6	5364.8	5260.5	4924.6	4477.0
27.5°	5818.1	5880.0	5918.6	5946.7	5918.6	5880.0	5818.1	5750.8	5629.1	5286.4	4847.0
25°	6184.8	6241.5	6280.0	6295.0	6280.0	6241.5	6184.8	6116.4	5967.1	5677.5	5244.7
22.5°	6565.4	6604.8	6641.8	6659.9	6641.8	6604.8	6565.4	6485.3	6323.4	6092.3	5633.8
20°	7110.9	7089.5	7123.3	7112.0	7123.3	7089.5	7110.9	6988.4	6817.9	6577.0	6134.3
17.5°	8222.6	8234.1	8256.7	8293.8	8256.7	8234.1	8222.6	8060.1	7851.7	7634.2	7018.2
15°	9620.7	9648.9	9791.8	9919.4	9791.8	9648.9	9620.7	9463.5	9108.7	8794.9	8092.1
12.5°	10227.2	10324.5	10339.7	10375.6	10339.7	10324.5	10227.2	10005.5	9766.6	9366.4	8728.6
10°	10429.5	10598.2	10594.5	10636.8	10594.5	10598.2	10429.5	10236.7	10041.7	9700.2	9032.6
7.5°	10583.0	10764.1	10840.6	10873.2	10840.6	10764.1	10583.0	10452.4	10259.9	9929.0	9246.4
5°	10770.6	10870.2	11002.2	10964.4	11002.2	10870.2	10770.6	10606.6	10363.2	10011.5	9389.0
2.5°	10849.2	11005.1	10969.1	11005.9	10969.1	11005.1	10849.2	10627.9	10404.1	10121.1	9576.5
0°	10902.2	11014.2	11030.8	11068.1	11030.8	11014.2	10902.2	10682.4	10454.4	10180.7	9629.1
-2.5°	10837.9	10936.4	11109.0	11055.7	11109.0	10936.4	10837.9	10636.2	10419.2	10143.1	9646.9
-5°	10781.5	11024.0	10929.9	11047.4	10929.9	11024.0	10781.5	10566.8	10351.1	10052.5	9533.5
-7.5°	10752.5	10795.8	10858.3	10947.8	10858.3	10795.8	10752.5	10508.1	10272.0	9957.2	9431.4
-10°	10527.4	10571.7	10686.5	10748.8	10686.5	10571.7	10527.4	10415.4	10140.3	9805.9	9302.8
-12.5°	10283.2	10369.1	10489.8	10529.0	10489.8	10369.1	10283.2	10159.0	9962.5	9597.8	9097.6
-15°	10002.1	10129.6	10247.2	10271.9	10247.2	10129.6	10002.1	9855.4	9638.1	9341.4	8850.2
-17.5°	9644.5	9797.4	9921.0	9948.4	9921.0	9797.4	9644.5	9480.3	9266.7	9001.7	8601.3
-20°	9250.5	9397.0	9502.1	9533.7	9502.1	9397.0	9250.5	9078.5	8876.8	8622.1	8244.8

Classified

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

Scaled Data Report



REPORT NUMBER: P627340 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8828.7	8960.6	9049.4	9036.1	9049.4	8960.6	8828.7	8657.8	8471.5	8239.6	7833.8
-25°	8380.8	8503.2	8587.8	8575.8	8587.8	8503.2	8380.8	8231.7	8046.9	7800.6	7437.1
-27.5°	7907.3	8023.3	8104.6	8107.2	8104.6	8023.3	7907.3	7763.9	7578.0	7329.7	7019.5
-30°	7409.8	7515.1	7581.2	7555.7	7581.2	7515.1	7409.8	7270.6	7098.0	6856.8	6529.7
-32.5°	6896.6	6991.9	7052.5	7070.5	7052.5	6991.9	6896.6	6775.7	6630.2	6409.3	6059.7
-35°	6390.5	6474.5	6526.7	6539.7	6526.7	6474.5	6390.5	6280.0	6138.2	5963.4	5618.2
-37.5°	5887.6	5959.9	5996.4	5979.8	5996.4	5959.9	5887.6	5786.0	5658.2	5508.0	5209.7
-40°	5390.7	5459.5	5501.3	5511.2	5501.3	5459.5	5390.7	5298.3	5179.6	5033.1	4793.8
-42.5°	4902.0	4959.2	4995.9	5013.6	4995.9	4959.2	4902.0	4822.6	4697.6	4535.0	4342.7
-45°	4427.8	4479.0	4513.4	4532.6	4513.4	4479.0	4427.8	4356.7	4235.0	4077.9	3897.7
-47.5°	3966.5	4011.3	4041.1	4055.7	4041.1	4011.3	3966.5	3904.1	3795.5	3640.2	3462.3
-50°	3525.3	3564.2	3591.9	3607.8	3591.9	3564.2	3525.3	3471.2	3378.8	3227.9	3059.0
-52.5°	3106.9	3140.8	3164.4	3176.5	3164.4	3140.8	3106.9	3059.8	2986.0	2843.2	2687.9
-55°	2707.4	2734.9	2756.7	2770.1	2756.7	2734.9	2707.4	2668.7	2615.7	2483.5	2340.4
-57.5°	2334.9	2357.3	2378.0	2392.8	2378.0	2357.3	2334.9	2302.0	2258.7	2145.3	2020.1
-60°	1986.1	2007.3	2024.9	2036.1	2024.9	2007.3	1986.1	1956.9	1920.0	1834.6	1733.0
-62.5°	1671.4	1690.2	1706.3	1716.8	1706.3	1690.2	1671.4	1645.3	1612.0	1546.2	1464.1
-65°	1369.7	1386.5	1398.6	1405.8	1398.6	1386.5	1369.7	1347.0	1318.2	1271.1	1210.4
-67.5°	1115.4	1134.8	1138.7	1136.3	1138.7	1134.8	1115.4	1091.8	1064.2	1027.9	982.2
-70°	888.4	904.8	908.7	908.2	908.7	904.8	888.4	869.4	848.1	821.9	788.0
-72.5°	694.6	703.6	696.0	684.2	696.0	703.6	694.6	684.4	673.3	658.5	633.3
-75°	521.3	515.6	507.5	497.6	507.5	515.6	521.3	525.9	529.6	528.6	509.9
-77.5°	381.8	367.7	358.4	348.3	358.4	367.7	381.8	394.7	406.4	413.8	401.0
-80°	265.9	252.0	242.4	232.2	242.4	252.0	265.9	278.8	290.8	300.4	296.2
-82.5°	168.4	157.0	151.2	145.1	151.2	157.0	168.4	179.2	189.2	198.0	195.4
-85°	93.5	86.8	82.9	78.8	82.9	86.8	93.5	99.9	105.8	111.0	108.1
-87.5°	41.4	41.4	39.4	37.3	39.4	41.4	41.4	41.2	41.1	40.9	39.7
-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: P627340 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	22.8	21.8	20.7	19.7	18.7	17.6	16.6	15.6	14.5	13.5	12.4
87.5°	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
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.1	0.1	0.0	0.0	0.4	0.5	0.2	0.0	0.4
67.5°	0.0	0.0	0.7	1.7	2.1	2.1	1.9	2.1	2.4	2.2	2.1
65°	2.5	1.6	1.0	2.0	3.1	4.1	4.3	3.8	3.7	4.3	5.1
62.5°	8.4	8.7	7.6	6.3	5.4	6.0	6.5	7.0	6.1	4.9	6.4
60°	25.0	15.2	22.2	23.7	18.9	16.4	24.5	23.3	12.1	10.4	9.4
57.5°	120.3	100.7	110.5	100.4	68.7	60.0	62.2	59.3	53.7	32.8	14.0
55°	414.7	355.3	279.1	241.1	232.3	177.7	132.4	110.5	100.2	72.4	47.9
52.5°	526.8	489.7	432.0	352.6	310.1	294.3	251.6	201.3	159.9	127.9	91.8
50°	660.5	670.3	611.2	501.2	457.7	410.6	369.2	311.0	258.6	207.4	153.1
47.5°	1077.4	1003.6	944.3	862.2	706.3	606.9	541.5	446.2	374.3	312.4	245.4
45°	1436.6	1352.1	1294.1	1166.7	1001.1	847.2	744.4	625.0	497.8	414.9	354.1
42.5°	1691.7	1582.3	1487.0	1383.1	1224.9	1051.2	910.2	792.1	658.4	524.0	443.1
40°	1941.2	1768.0	1673.5	1580.4	1431.3	1236.5	1126.7	953.1	813.5	664.6	554.1
37.5°	2313.5	2018.8	1985.5	1895.9	1727.2	1524.5	1401.0	1229.8	970.9	830.5	703.5
35°	2942.6	2639.0	2463.8	2376.0	2157.3	1899.1	1695.7	1535.8	1278.9	1002.4	856.1
32.5°	3635.9	3251.7	2985.7	2860.5	2625.8	2275.4	2024.4	1821.0	1563.3	1250.4	1015.6
30°	4027.3	3677.0	3356.7	3142.4	2914.3	2613.2	2325.2	2038.0	1758.1	1499.2	1188.5
27.5°	4391.6	3954.8	3609.4	3367.7	3154.1	2864.6	2545.9	2238.1	1930.5	1674.7	1397.6
25°	4738.7	4254.6	3878.2	3594.4	3346.0	3116.8	2756.6	2420.2	2099.4	1816.7	1599.9
22.5°	5062.1	4612.7	4179.0	3807.9	3597.5	3351.4	2996.3	2588.8	2275.4	2037.6	1782.5
20°	5594.5	5091.5	4542.4	4221.2	4025.5	3645.4	3243.6	2840.7	2552.9	2280.6	1980.5
17.5°	6472.3	5844.6	5188.0	4844.1	4567.0	4100.8	3588.8	3189.0	2829.7	2526.3	2196.0
15°	7433.2	6625.3	5974.7	5530.5	5091.4	4545.3	3952.7	3520.9	3112.5	2771.1	2394.0
12.5°	7908.2	7139.0	6563.5	5937.5	5371.0	4876.2	4315.5	3839.3	3375.8	2931.0	2516.5
10°	8191.5	7427.2	6776.2	6151.4	5583.6	5107.4	4586.6	4022.5	3507.6	3036.8	2618.7
7.5°	8412.0	7624.4	6931.1	6309.1	5733.7	5231.5	4733.0	4141.6	3613.0	3122.3	2700.7
5°	8564.6	7778.1	7075.1	6446.1	5840.4	5320.4	4841.7	4231.8	3691.5	3187.2	2762.9
2.5°	8721.9	7897.4	7165.3	6534.7	5908.5	5376.9	4907.4	4300.6	3755.3	3235.4	2814.8
0°	8783.2	7966.2	7228.1	6581.1	5946.7	5399.3	4926.5	4346.0	3798.6	3263.6	2848.9
-2.5°	8822.6	7988.7	7252.6	6611.2	5997.1	5434.7	4948.0	4396.8	3812.3	3294.0	2858.5
-5°	8762.7	7962.2	7232.0	6586.3	5998.2	5437.5	4933.0	4404.3	3808.8	3302.1	2851.1
-7.5°	8689.2	7892.1	7153.5	6520.2	5954.9	5400.0	4888.4	4371.4	3795.8	3288.8	2837.1
-10°	8565.0	7780.1	7077.1	6451.3	5878.9	5320.1	4823.4	4308.8	3753.4	3251.2	2804.1
-12.5°	8399.2	7638.7	6944.4	6325.5	5776.4	5237.9	4751.5	4222.3	3681.0	3188.5	2752.0
-15°	8180.1	7453.7	6780.2	6176.9	5645.8	5130.9	4644.8	4126.7	3610.5	3111.2	2680.4
-17.5°	7940.5	7209.6	6546.3	5977.9	5474.2	4986.1	4509.1	4026.2	3529.2	3038.7	2616.0
-20°	7668.4	6950.6	6293.5	5742.6	5267.3	4804.9	4363.7	3913.8	3416.4	2955.3	2548.4



REPORT NUMBER: P627340 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7276.8	6642.8	6040.4	5500.3	5045.8	4622.5	4197.7	3762.7	3270.1	2850.9	2456.4
-25°	6889.8	6300.3	5758.8	5262.3	4823.4	4421.5	4008.2	3577.0	3139.9	2728.2	2343.8
-27.5°	6511.0	5965.0	5425.5	4979.2	4585.1	4192.4	3804.2	3396.1	2993.7	2590.2	2238.1
-30°	6102.1	5591.4	5104.9	4686.1	4312.9	3949.6	3600.4	3219.5	2823.6	2440.7	2124.0
-32.5°	5652.9	5204.8	4776.0	4381.7	4032.9	3711.1	3379.7	3018.6	2627.4	2300.9	1991.9
-35°	5217.1	4803.4	4433.4	4085.5	3769.0	3474.4	3153.6	2792.0	2448.5	2142.2	1842.8
-37.5°	4826.9	4424.0	4081.4	3781.7	3517.3	3238.0	2918.1	2597.3	2274.3	1965.4	1704.2
-40°	4423.3	4047.3	3743.0	3499.4	3246.3	2994.9	2713.4	2415.1	2096.4	1794.6	1568.2
-42.5°	4032.0	3728.6	3428.6	3184.8	2957.9	2752.1	2514.6	2213.4	1920.5	1658.3	1440.7
-45°	3648.8	3373.2	3099.4	2877.1	2688.4	2495.4	2283.0	2009.3	1746.2	1521.1	1315.9
-47.5°	3255.2	3023.1	2794.8	2588.1	2419.4	2231.9	2027.0	1795.1	1579.5	1376.6	1194.9
-50°	2877.3	2689.0	2504.2	2325.2	2154.5	1971.4	1788.3	1601.2	1408.8	1232.0	1067.1
-52.5°	2521.4	2365.5	2209.4	2052.7	1903.5	1743.5	1574.5	1408.0	1238.8	1091.1	943.8
-55°	2186.7	2053.1	1929.3	1803.5	1677.8	1533.4	1381.0	1231.0	1096.0	960.3	840.3
-57.5°	1890.3	1773.0	1674.5	1571.9	1465.5	1337.8	1207.4	1080.7	968.7	856.4	745.2
-60°	1628.5	1526.2	1441.8	1352.3	1258.0	1151.1	1047.7	947.3	850.5	758.8	663.1
-62.5°	1381.3	1298.7	1222.7	1146.9	1070.2	989.3	900.8	819.8	744.8	667.6	581.0
-65°	1147.4	1082.7	1018.9	957.7	894.6	829.6	759.1	695.1	633.8	571.1	496.3
-67.5°	934.0	883.4	831.6	780.4	731.3	679.7	626.2	572.7	522.8	471.7	410.9
-70°	751.9	713.8	673.6	630.8	590.1	549.7	508.3	465.1	419.4	377.6	336.0
-72.5°	606.9	579.5	549.4	514.9	478.2	443.4	409.7	376.0	341.3	305.6	269.3
-75°	490.4	470.3	447.5	418.6	389.0	358.6	330.3	301.3	269.6	235.0	201.3
-77.5°	388.3	376.0	361.9	338.9	315.6	292.1	266.9	235.2	203.0	171.0	143.2
-80°	291.1	285.3	276.9	256.9	236.9	216.9	195.9	168.2	140.8	115.0	94.3
-82.5°	192.1	188.1	182.8	169.4	156.2	143.3	130.0	110.8	92.4	75.0	59.7
-85°	105.0	101.6	97.9	91.5	85.2	78.9	72.5	62.0	52.0	42.7	34.4
-87.5°	38.4	37.1	35.7	34.4	33.0	31.6	30.2	27.0	24.0	21.1	18.3
-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: P627340 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	11.4	10.4	9.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.4	2.2
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.7	1.2
82.5°	0.0	0.0	0.0	0.1	0.7	1.1	1.2	1.1	0.6	0.1	0.3
80°	0.0	0.0	0.0	0.1	1.0	2.2	2.7	2.8	2.1	1.5	0.8
77.5°	0.0	0.0	0.0	0.0	0.4	1.2	2.3	3.7	3.7	2.9	2.0
75°	0.0	0.0	0.0	0.2	0.3	0.1	0.9	2.2	3.3	4.0	3.2
72.5°	0.0	0.0	0.0	0.5	1.1	1.2	0.7	0.7	2.4	3.5	4.0
70°	0.6	0.2	0.0	0.7	1.7	2.5	2.3	1.9	1.6	3.0	3.9
67.5°	1.9	2.1	1.5	1.2	1.9	2.8	3.8	3.7	3.2	2.7	3.8
65°	4.8	4.5	4.0	3.6	3.1	3.0	4.0	5.1	4.8	4.1	3.7
62.5°	7.2	7.2	6.6	6.0	5.4	4.7	4.3	5.7	6.3	5.6	4.7
60°	9.3	9.7	9.3	8.5	7.6	6.8	6.1	6.4	7.2	7.0	5.9
57.5°	12.9	12.5	12.3	11.2	9.9	8.9	8.3	8.1	8.3	8.2	7.2
55°	22.7	15.8	15.9	14.7	12.7	10.9	10.5	10.1	9.6	9.4	8.4
52.5°	57.6	32.0	20.5	18.9	16.5	13.5	12.6	12.0	11.4	10.8	9.6
50°	106.4	68.8	39.0	24.5	20.8	17.7	14.7	14.0	13.2	12.3	10.8
47.5°	170.3	118.4	76.9	38.6	26.9	22.2	18.4	15.9	14.9	13.8	11.9
45°	262.3	174.4	120.9	76.4	35.9	30.6	22.8	17.8	16.6	15.3	13.1
42.5°	364.8	255.9	169.7	115.4	68.5	42.4	27.3	21.6	18.4	16.8	14.3
40°	465.5	353.7	227.9	159.1	103.4	56.9	39.3	25.9	20.1	18.5	15.7
37.5°	576.9	457.1	319.2	205.8	138.9	86.8	53.9	30.1	22.8	20.2	17.2
35°	714.6	571.9	410.7	274.2	183.9	114.6	70.0	38.4	28.0	22.0	18.7
32.5°	852.1	686.5	509.5	353.7	231.0	140.2	91.1	54.7	34.2	23.9	20.3
30°	990.6	791.4	602.6	427.3	285.2	181.4	113.8	70.6	41.2	25.9	21.9
27.5°	1115.2	890.4	689.7	504.2	348.8	224.8	137.6	86.1	48.9	29.3	23.5
25°	1256.0	997.4	775.4	577.8	406.9	270.0	161.9	101.2	60.3	35.3	25.1
22.5°	1437.1	1107.4	854.8	644.4	464.4	313.3	193.2	121.1	72.7	41.7	26.7
20°	1617.2	1214.8	932.7	727.9	527.0	362.0	229.5	141.0	84.6	48.2	28.4
17.5°	1793.9	1352.5	1045.9	813.2	594.0	407.6	263.3	160.5	95.8	54.9	30.0
15°	1952.4	1510.1	1157.2	893.9	659.5	449.7	294.6	179.4	106.2	61.6	32.1
12.5°	2085.5	1646.1	1262.0	969.4	722.7	488.2	323.2	197.6	115.9	69.1	34.9
10°	2195.4	1761.0	1359.2	1039.1	782.4	522.8	349.0	215.8	127.2	77.0	38.0
7.5°	2283.3	1856.0	1447.6	1102.5	836.6	555.2	376.7	234.9	138.2	84.5	41.1
5°	2349.4	1930.1	1515.9	1147.9	879.6	585.0	402.2	252.5	148.4	91.6	44.1
2.5°	2392.3	1984.7	1566.6	1183.5	914.6	610.0	424.7	268.3	157.6	98.0	47.1
0°	2417.6	2023.7	1604.9	1210.9	941.3	630.3	443.7	282.0	165.9	103.7	49.8
-2.5°	2440.2	2049.3	1638.3	1258.6	959.7	663.6	455.9	294.4	179.0	107.8	54.9
-5°	2447.7	2060.5	1660.2	1295.4	970.7	690.5	464.5	304.4	190.5	111.1	59.5
-7.5°	2435.1	2053.8	1667.9	1316.3	975.9	709.6	469.4	312.3	199.8	113.7	63.5
-10°	2407.1	2031.5	1657.7	1309.9	983.0	715.5	472.3	318.1	206.6	115.6	66.8
-12.5°	2365.5	1997.9	1636.0	1296.0	981.8	711.7	480.1	322.6	210.1	116.9	69.3
-15°	2311.0	1954.0	1602.6	1275.5	970.0	703.2	482.1	324.3	209.8	119.4	70.8
-17.5°	2246.8	1900.8	1558.0	1249.3	947.0	690.3	477.7	322.3	207.6	122.9	72.4
-20°	2182.6	1841.6	1505.0	1218.3	912.3	673.6	466.6	316.4	203.8	125.3	73.9

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Scaled Data Report



REPORT NUMBER: P627340 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2107.4	1773.7	1459.2	1175.2	874.8	653.4	448.4	306.3	198.4	126.3	74.5
-25°	2020.9	1694.3	1404.2	1115.9	845.2	630.6	429.7	292.0	191.4	125.9	74.3
-27.5°	1923.1	1609.5	1339.4	1050.9	814.5	598.7	411.9	281.5	185.4	124.1	73.2
-30°	1814.0	1529.7	1262.0	988.5	776.9	564.2	388.6	269.7	182.7	121.8	71.2
-32.5°	1696.4	1439.9	1178.7	940.8	734.2	528.4	368.0	256.4	178.1	118.9	71.3
-35°	1586.1	1342.1	1093.7	885.9	688.9	507.3	354.3	241.6	171.7	114.7	71.7
-37.5°	1468.0	1239.6	1026.4	828.5	641.2	482.9	343.2	235.0	163.4	109.4	71.4
-40°	1354.4	1142.4	948.5	773.9	605.8	455.6	325.7	227.7	155.4	103.0	70.4
-42.5°	1239.4	1051.0	874.0	714.5	572.6	429.1	303.2	216.4	149.0	99.3	68.8
-45°	1133.5	956.5	794.7	662.7	535.6	395.2	286.0	202.2	141.0	96.6	67.3
-47.5°	1022.3	860.4	722.2	606.0	487.2	358.3	264.0	191.0	131.5	93.1	66.3
-50°	907.4	769.4	654.5	543.6	428.0	327.5	240.6	177.7	128.1	90.3	64.7
-52.5°	806.9	689.4	585.2	479.5	383.2	291.5	222.8	163.4	123.5	88.0	62.4
-55°	720.4	613.4	516.9	426.9	340.6	265.0	202.7	156.6	117.9	85.1	59.6
-57.5°	643.9	542.9	460.9	380.0	305.0	239.6	188.5	148.5	112.0	81.1	57.1
-60°	569.5	486.6	409.9	337.9	271.9	217.6	177.4	139.2	105.0	76.1	54.3
-62.5°	500.8	427.7	361.1	296.0	242.1	199.7	164.7	128.4	96.8	69.8	50.6
-65°	428.7	366.5	310.1	259.0	215.1	178.7	148.3	116.1	85.9	62.1	45.8
-67.5°	353.7	308.1	264.1	221.5	185.6	155.1	129.5	99.7	73.1	53.3	40.2
-70°	294.6	254.4	217.1	183.7	154.5	129.5	105.9	80.6	59.0	45.7	34.3
-72.5°	234.5	201.7	171.2	144.6	123.7	102.6	81.0	61.7	48.9	37.7	28.1
-75°	173.6	151.4	131.5	113.0	94.3	75.7	61.8	49.1	38.5	29.3	23.7
-77.5°	126.0	109.9	95.3	83.6	70.7	58.4	46.7	36.0	29.2	24.3	19.9
-80°	85.6	77.2	69.1	60.9	50.5	40.7	33.7	27.7	23.5	19.6	16.0
-82.5°	53.9	49.4	45.4	41.3	35.2	29.8	25.0	20.9	17.7	14.8	13.0
-85°	32.0	29.6	27.2	24.9	21.5	18.6	17.2	15.9	14.5	13.2	11.8
-87.5°	18.0	17.7	17.5	17.2	16.3	15.5	14.8	14.2	13.0	11.8	10.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.1

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REPORT NUMBER: P627340 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.3	7.3	6.2	5.1	4.1	4.1	4.1
87.5°	3.0	3.4	3.7	4.0	4.1	4.1	4.1
85°	2.0	2.8	3.4	3.8	4.1	4.1	4.1
82.5°	1.0	2.1	3.1	3.7	4.1	4.1	4.1
80°	0.2	1.5	2.7	3.6	4.1	4.1	4.1
77.5°	1.3	1.4	2.4	3.5	4.1	4.1	4.1
75°	2.3	2.0	2.2	3.4	4.1	4.1	4.1
72.5°	3.3	2.7	2.6	3.3	4.1	4.1	4.1
70°	4.1	3.3	2.9	3.3	4.1	4.1	4.1
67.5°	4.2	3.8	3.3	3.4	4.1	4.1	4.1
65°	4.4	4.3	3.6	3.6	4.1	4.1	4.1
62.5°	4.6	4.6	3.8	3.7	4.1	4.1	4.1
60°	4.9	4.9	4.1	3.8	4.1	4.1	4.1
57.5°	5.9	5.3	4.5	3.9	4.1	4.1	4.1
55°	6.9	5.8	4.9	4.0	4.2	4.1	4.1
52.5°	8.0	6.3	5.4	4.0	4.3	4.1	4.1
50°	9.0	7.2	5.8	4.1	4.4	4.1	4.1
47.5°	10.0	8.0	6.3	4.2	4.5	4.1	4.1
45°	11.0	8.8	6.8	4.6	4.6	4.1	4.1
42.5°	11.9	9.6	7.3	5.0	4.7	4.1	4.1
40°	12.8	10.4	7.9	5.5	4.9	4.1	4.1
37.5°	13.7	11.1	8.5	6.0	5.1	4.1	4.1
35°	14.6	11.8	9.1	6.6	5.2	4.1	4.1
32.5°	15.6	12.5	9.6	7.1	5.4	4.1	4.1
30°	16.8	13.2	10.2	7.6	5.6	4.1	4.1
27.5°	18.0	13.8	10.8	8.1	5.8	4.1	4.1
25°	19.3	14.5	11.5	8.6	6.1	4.1	4.1
22.5°	20.5	15.1	12.1	9.1	6.3	4.1	4.1
20°	21.7	15.9	12.7	9.5	6.5	4.1	4.1
17.5°	22.9	16.6	13.3	10.0	6.8	4.1	4.1
15°	24.0	17.3	13.8	10.4	7.0	4.1	4.1
12.5°	25.1	17.9	14.4	10.8	7.2	4.1	4.1
10°	26.0	18.6	14.9	11.1	7.5	4.1	4.1
7.5°	26.9	19.2	15.3	11.5	7.7	4.1	4.1
5°	27.7	19.7	15.8	11.8	7.9	4.1	4.1
2.5°	28.4	20.2	16.2	12.1	8.1	4.1	4.1
0°	29.0	20.7	16.6	12.4	8.3	4.1	4.1
-2.5°	30.6	21.1	16.9	12.4	8.3	4.1	4.1
-5°	32.1	21.6	17.2	12.4	8.3	4.1	4.1
-7.5°	33.4	21.9	17.5	12.3	8.2	4.1	4.1
-10°	34.5	22.2	17.7	12.2	8.2	4.1	4.1
-12.5°	35.3	22.5	17.8	12.1	8.1	4.1	4.1
-15°	35.8	22.7	17.9	12.0	8.0	4.1	4.1
-17.5°	36.0	22.9	17.8	11.8	7.9	4.1	4.1
-20°	36.9	23.1	17.7	11.7	7.8	4.1	4.1

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CATALOG NUMBER: GFLD-SA4B-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	39.3	23.2	17.5	11.5	7.7	4.1	4.1
-25°	41.2	24.7	17.2	11.2	7.5	4.1	4.1
-27.5°	42.7	26.6	16.8	11.0	7.3	4.1	4.1
-30°	43.8	28.3	16.4	10.7	7.2	4.1	4.1
-32.5°	44.3	29.6	17.0	10.5	7.0	4.1	4.1
-35°	45.5	30.7	17.4	10.2	6.8	4.1	4.1
-37.5°	46.7	31.4	17.7	9.8	6.6	4.1	4.1
-40°	47.4	31.6	17.8	9.5	6.3	4.1	4.1
-42.5°	47.7	31.6	17.9	9.3	6.1	4.1	4.1
-45°	47.5	31.4	18.0	9.4	5.8	4.1	4.1
-47.5°	46.7	30.9	17.9	9.3	5.6	4.1	4.1
-50°	45.8	30.2	17.6	9.2	5.3	4.1	4.1
-52.5°	44.5	29.3	17.1	9.0	5.0	4.1	4.1
-55°	42.9	28.1	16.3	8.8	4.7	4.1	4.1
-57.5°	41.0	26.6	15.4	8.4	4.4	4.1	4.1
-60°	38.7	24.8	14.4	8.1	4.1	4.1	4.1
-62.5°	35.6	22.7	13.6	7.6	4.1	4.1	4.1
-65°	32.1	20.3	12.7	7.1	4.1	4.1	4.1
-67.5°	28.2	18.3	11.7	6.5	4.1	4.1	4.1
-70°	24.1	16.6	10.6	5.9	4.1	4.1	4.1
-72.5°	21.2	14.8	9.4	5.8	4.1	4.1	4.1
-75°	18.5	12.9	8.2	5.8	4.1	4.1	4.1
-77.5°	15.6	10.8	7.8	5.7	4.1	4.1	4.1
-80°	12.6	9.8	7.5	5.6	4.1	4.1	4.1
-82.5°	11.4	9.2	7.2	5.5	4.1	4.1	4.1
-85°	10.4	8.6	6.9	5.4	4.1	4.1	4.1
-87.5°	9.4	7.9	6.6	5.3	4.1	4.1	4.1
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1

(END OF REPORT)