

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: P627318 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4B-727-U-NR-VSR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P627318 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4B-727-U-NR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, NARROW SYMMETRICAL ROUND N3 WITH VISOR  
Light Source: (64) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16391.9 lumens  
Efficiency: N/A  
Efficacy: 126.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 3H x 3V  
Max Intensity: 166159.3 candela  
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 13.6°H x 13.6°V  
Beam Lumens: 5233.1 lumens  
Beam Efficiency: 31.9%

Field Angle (10%): 30.9°H x 30.2°V  
Field Lumens: 11655.7 lumens  
Field Efficiency: 71.1%

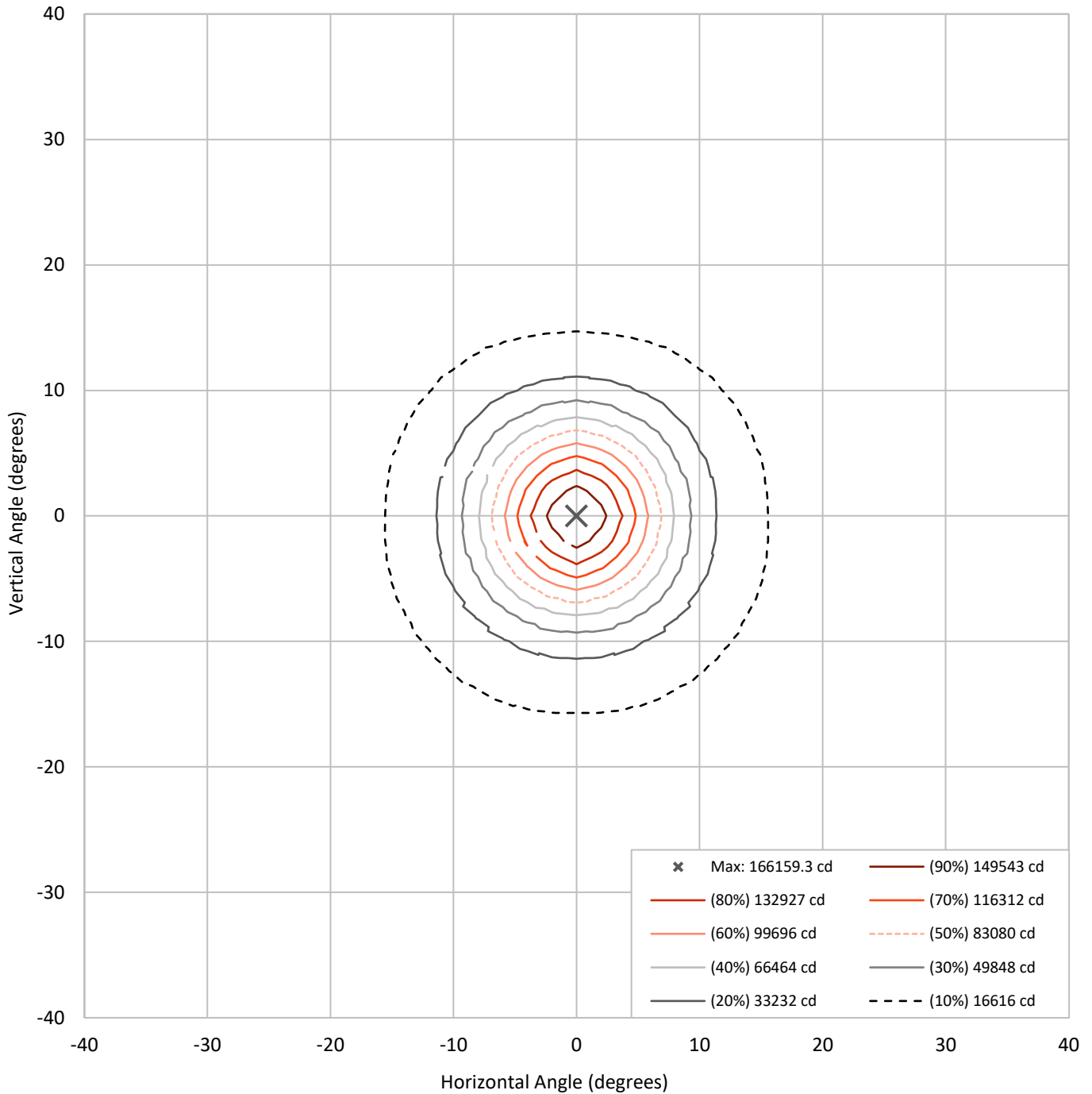
Input Watts (W): 129.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT





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### Iso-Candela Plot





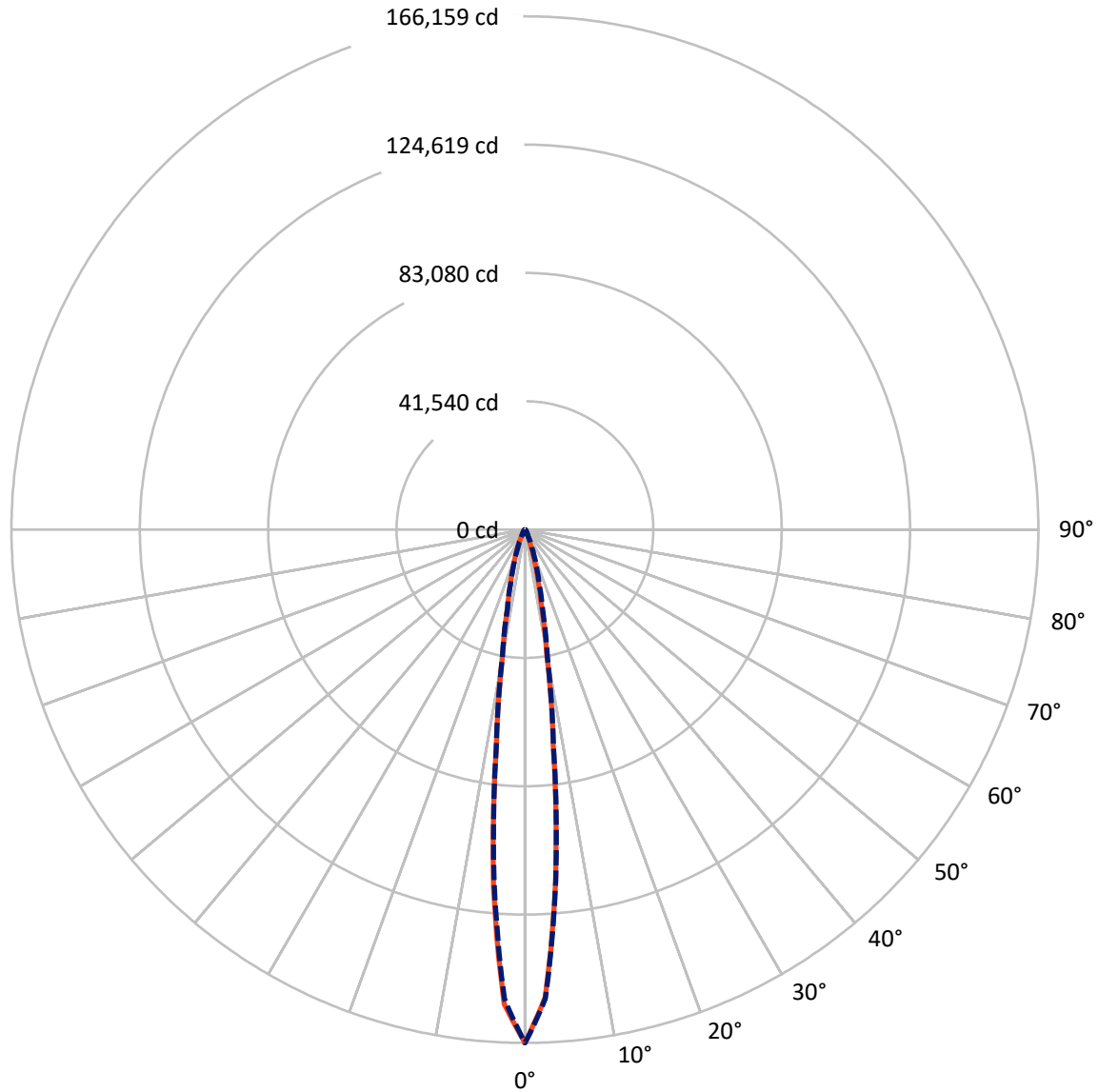
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### Lumen Table

90																			
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
70																			
60	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0			
50		0.0	0.1	0.4	0.9	1.5	1.9	2.3	2.3	1.9	1.5	0.9	0.4	0.1	0.0				
40	0.1	0.1	0.5	1.4	2.7	3.9	5.5	6.5	6.5	5.5	3.9	2.7	1.4	0.5	0.1	0.1			
30		0.2	1.2	2.8	5.0	7.8	13.3	17.0	17.0	13.3	7.8	5.0	2.8	1.2	0.2				
20	0.1	0.5	1.8	4.2	7.7	16.7	44.5	73.7	73.7	44.5	16.7	7.7	4.2	1.8	0.5	0.1			
10		0.7	2.5	5.8	12.7	49.8	210.1	461.9	461.9	210.1	49.8	12.7	5.8	2.5	0.7				
0	0.2	0.9	3.1	6.9	17.2	93.6	503.5	2258.1	2258.1	503.5	93.6	17.2	6.9	3.1	0.9	0.2			
-10		1.0	3.3	7.2	18.5	99.7	521.2	2296.4	2296.4	521.2	99.7	18.5	7.2	3.3	1.0				
-20	0.3	1.1	3.4	7.1	16.2	63.4	253.0	541.1	541.1	253.0	63.4	16.2	7.1	3.4	1.1	0.3			
-30		1.0	3.2	6.5	12.5	29.6	77.9	129.9	129.9	77.9	29.6	12.5	6.5	3.2	1.0				
-40	0.3	0.9	2.9	5.8	9.8	16.3	26.5	33.7	33.7	26.5	16.3	9.8	5.8	2.9	0.9	0.3			
-50		0.7	2.4	4.8	7.9	11.4	15.3	17.1	17.1	15.3	11.4	7.9	4.8	2.4	0.7				
-60	0.2	0.6	1.8	3.8	6.2	8.7	11.0	12.1	12.1	11.0	8.7	6.2	3.8	1.8	0.6	0.2			
-70		0.4	1.1	2.4	4.2	6.1	7.7	8.4	8.4	7.7	6.1	4.2	2.4	1.1	0.4				
-80	0.1	1.0	4.1	9.1	11.5	9.1	4.1	1.0	0.1										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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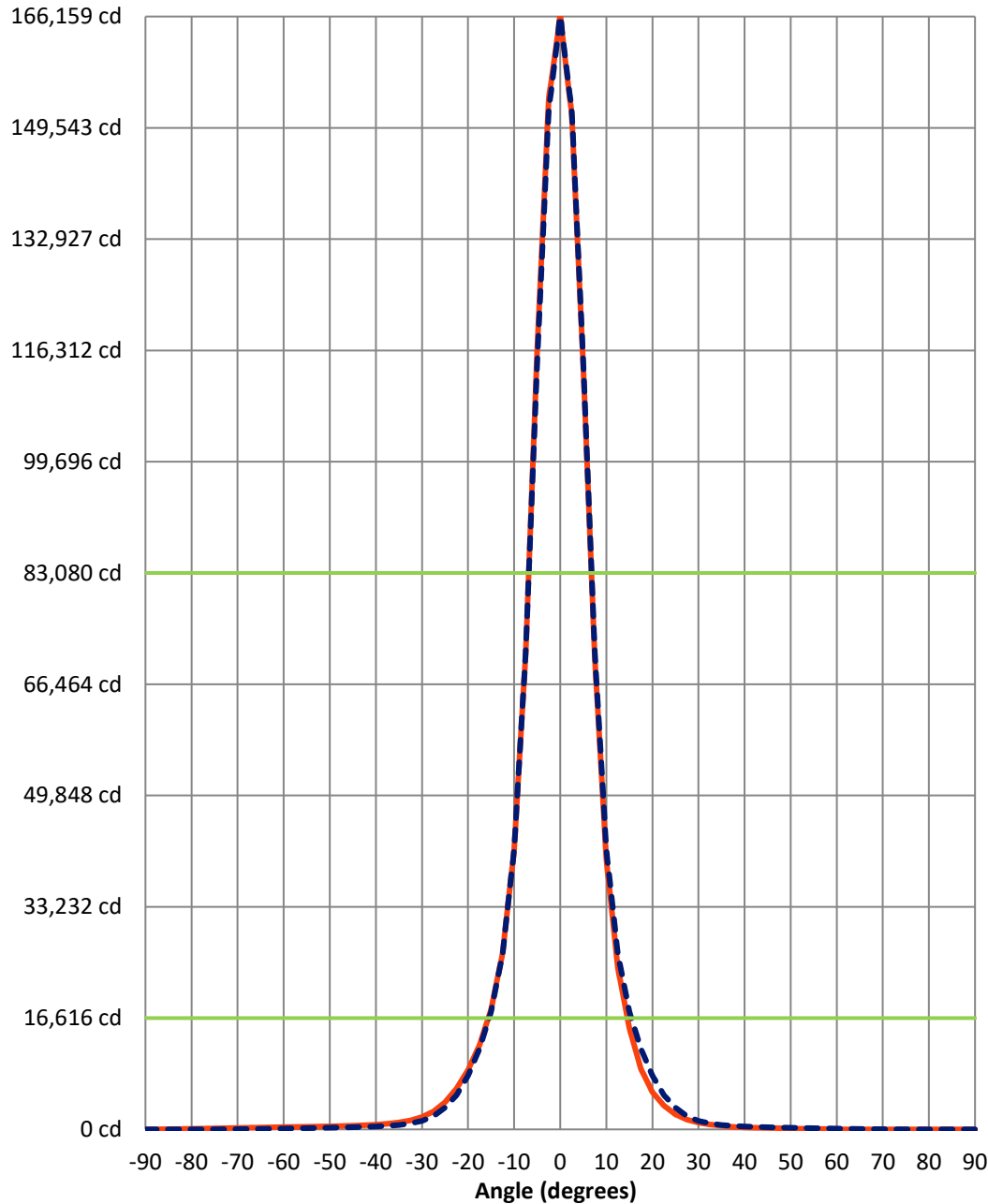
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 13.6°  
V Angle: 13.6°  
Lumens: 5233.1  
Efficiency: 31.9%

**Field:**  
H Angle: 30.9°  
V Angle: 30.2°  
Lumens: 11655.7  
Efficiency: 71.1%

**Spill:**  
Lumens: 4736.2  
Efficiency: 28.9%

— Vertical Distribution through 0-Deg  
- - Horizontal Distribution through 0-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°	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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.4	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.5	0.1	0.0	0.1	0.3	0.1	0.0	0.1	0.3	0.1
72.5°	0.0	0.6	0.1	0.0	0.4	0.5	0.2	0.2	0.7	0.8	0.3
70°	0.0	0.6	0.1	0.1	0.7	0.8	0.4	1.1	1.5	1.3	0.5
67.5°	0.0	0.7	0.2	0.4	1.1	1.1	1.2	2.0	2.2	1.4	0.6
65°	0.0	0.8	0.3	0.8	1.4	1.5	2.0	2.9	2.4	1.5	1.1
62.5°	0.0	0.9	0.4	1.1	1.8	2.0	2.8	3.3	2.5	1.8	2.2
60°	0.0	1.0	0.5	1.5	2.2	2.4	3.4	3.4	2.6	2.5	3.2
57.5°	0.0	1.1	0.8	1.8	2.5	2.9	3.5	3.5	2.9	3.1	3.5
55°	0.0	1.2	1.1	2.2	2.7	3.2	3.5	3.5	3.2	3.5	3.5
52.5°	0.0	1.3	1.3	2.6	2.9	3.5	3.5	3.5	3.4	3.5	3.5
50°	0.0	1.4	1.6	3.0	3.1	3.5	3.5	3.5	3.5	3.5	4.1
47.5°	0.0	1.5	1.8	3.3	3.2	3.5	3.5	3.5	3.5	3.5	4.8
45°	0.0	1.6	2.0	3.4	3.4	3.5	3.5	3.5	3.6	4.3	5.8
42.5°	0.0	1.7	2.3	3.5	3.5	3.5	3.5	3.6	3.8	5.3	7.8
40°	0.0	1.8	2.4	3.5	3.5	3.5	3.5	3.9	4.5	6.4	10.0
37.5°	0.0	1.9	2.6	3.5	3.5	3.5	3.5	4.3	5.7	8.1	12.4
35°	0.0	2.0	2.8	3.5	3.5	3.5	3.5	4.7	7.0	10.3	15.2
32.5°	0.0	2.2	2.9	3.5	3.5	3.5	3.6	5.2	8.3	12.5	18.8
30°	0.0	2.3	3.0	3.5	3.5	3.5	4.0	5.8	9.8	14.6	22.8
27.5°	0.0	2.4	3.1	3.5	3.5	3.5	4.4	7.0	11.3	16.6	27.0
25°	0.0	2.5	3.2	3.5	3.5	3.5	4.8	8.1	13.0	19.5	31.5
22.5°	0.0	2.6	3.3	3.5	3.5	3.6	5.2	9.2	14.6	23.0	36.9
20°	0.0	2.7	3.4	3.5	3.5	3.8	5.7	10.4	16.1	26.6	41.9
17.5°	0.0	2.8	3.4	3.5	3.5	4.1	6.3	11.5	17.5	30.2	46.4
15°	0.0	2.9	3.4	3.5	3.5	4.5	7.0	12.6	18.8	33.8	50.5
12.5°	0.0	3.0	3.5	3.5	3.5	4.9	7.7	13.7	20.6	37.3	54.2
10°	0.0	3.1	3.5	3.5	3.5	5.3	8.4	14.6	22.9	40.5	57.5
7.5°	0.0	3.2	3.5	3.5	3.5	5.7	9.0	15.5	25.2	43.3	60.3
5°	0.0	3.3	3.5	3.5	3.5	6.2	9.6	16.3	27.5	45.6	62.8
2.5°	0.0	3.4	3.5	3.5	3.5	6.6	10.1	17.0	29.7	47.6	65.0
0°	0.0	3.5	3.5	3.5	3.5	7.0	10.6	17.6	31.7	49.2	66.8
-2.5°	0.0	3.5	3.5	3.5	3.8	7.4	11.5	18.7	33.5	50.5	69.1
-5°	0.0	3.5	3.5	3.5	4.1	7.7	12.4	19.6	35.0	51.6	71.0
-7.5°	0.0	3.5	3.5	3.5	4.4	8.0	13.1	20.5	36.3	52.3	72.4
-10°	0.0	3.4	3.5	3.5	4.7	8.3	13.8	21.2	37.2	52.9	73.2
-12.5°	0.0	3.4	3.5	3.5	4.9	8.6	14.4	21.9	37.8	53.5	74.6
-15°	0.0	3.4	3.5	3.5	5.1	8.7	14.8	22.4	37.9	54.5	75.9
-17.5°	0.0	3.3	3.5	3.5	5.2	8.9	15.1	22.9	37.6	55.1	76.5
-20°	0.0	3.3	3.5	3.5	5.3	9.0	15.3	23.4	37.1	55.0	76.3

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CATALOG NUMBER: GFLD-SA4B-727-U-NR-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	3.2	3.5	3.5	5.4	9.1	15.5	23.7	36.2	54.4	75.4
-25°	0.0	3.2	3.5	3.5	5.4	9.3	15.6	23.8	35.1	53.1	73.8
-27.5°	0.0	3.1	3.5	3.5	5.3	9.6	15.6	23.8	33.7	51.4	72.2
-30°	0.0	3.0	3.5	3.5	5.1	9.7	15.6	23.5	33.0	49.4	69.8
-32.5°	0.0	3.0	3.5	3.5	5.1	9.8	15.4	23.2	32.6	47.2	66.5
-35°	0.0	2.9	3.5	3.5	5.1	9.8	15.3	22.9	31.9	44.7	62.3
-37.5°	0.0	2.8	3.5	3.5	5.0	9.6	15.3	22.5	31.0	41.9	59.8
-40°	0.0	2.7	3.5	3.5	4.8	9.5	15.1	22.0	29.9	40.1	57.7
-42.5°	0.0	2.6	3.5	3.5	4.7	9.2	14.7	21.3	28.9	39.3	54.9
-45°	0.0	2.5	3.5	3.6	4.9	8.8	14.3	20.6	28.0	38.2	51.9
-47.5°	0.0	2.4	3.5	3.7	4.9	8.4	13.7	19.9	27.1	36.5	49.9
-50°	0.0	2.2	3.5	3.7	5.0	7.8	13.0	19.1	26.0	35.1	47.4
-52.5°	0.0	2.1	3.5	3.8	5.0	7.2	12.2	18.0	24.7	33.2	44.3
-55°	0.0	2.0	3.5	3.8	5.0	7.0	11.3	16.9	23.3	30.7	41.1
-57.5°	0.0	1.9	3.5	3.8	4.9	6.8	10.2	15.5	21.6	28.4	37.2
-60°	0.0	1.7	3.5	3.8	4.8	6.6	9.2	14.0	19.7	26.2	33.3
-62.5°	0.0	1.6	3.2	3.7	4.6	6.3	8.7	12.4	17.7	23.7	30.3
-65°	0.0	1.5	3.0	3.7	4.5	6.0	8.1	11.0	15.5	21.0	27.0
-67.5°	0.0	1.3	2.7	3.6	4.3	5.6	7.5	10.0	13.2	18.1	23.6
-70°	0.0	1.2	2.4	3.5	4.1	5.2	6.8	9.0	11.8	15.1	19.9
-72.5°	0.0	1.1	2.1	3.1	3.8	4.7	6.1	7.9	10.3	13.1	16.4
-75°	0.0	0.9	1.8	2.7	3.5	4.2	5.3	6.9	8.7	11.1	13.8
-77.5°	0.0	0.8	1.5	2.3	3.0	3.7	4.5	6.0	7.6	9.2	11.1
-80°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	5.0	6.4	7.9	9.3
-82.5°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.9	5.3	6.6	7.9
-85°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.6	3.6	4.7	5.9
-87.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.3	1.8	2.3	3.0
-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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**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°	0.0	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	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.2	1.0	1.2	0.7	0.0	0.0	0.0	0.2	0.0	0.0	0.0
65°	1.7	2.3	1.7	0.9	0.1	0.8	1.2	0.9	0.1	0.0	0.0
62.5°	3.2	2.8	1.9	1.4	2.0	2.6	2.1	1.2	0.3	1.7	2.4
60°	3.5	3.0	2.5	2.8	3.5	3.1	2.3	3.4	5.1	6.5	7.8
57.5°	3.5	3.2	3.2	3.8	4.0	4.0	6.2	8.3	11.7	14.5	16.4
55°	3.6	3.5	4.0	4.7	5.9	8.4	11.5	16.2	20.0	25.8	30.7
52.5°	4.0	4.0	5.3	7.2	10.7	14.5	20.0	26.6	34.1	39.8	45.8
50°	4.5	5.9	7.5	12.1	16.8	22.9	31.8	41.5	47.9	54.3	62.8
47.5°	6.2	7.9	12.4	17.7	24.5	34.2	46.5	53.5	59.8	69.8	80.4
45°	8.4	12.0	17.4	24.7	34.1	47.7	57.4	63.1	74.0	85.5	97.7
42.5°	10.8	16.5	23.9	31.6	46.4	59.3	68.1	77.2	88.1	101.6	114.8
40°	14.6	21.0	31.1	43.1	58.2	70.8	81.8	92.2	103.0	120.6	134.7
37.5°	18.5	27.8	39.2	54.2	69.8	83.6	95.9	109.0	124.3	144.3	156.9
35°	22.3	34.9	48.8	64.7	81.3	96.9	111.7	127.0	146.9	165.8	180.9
32.5°	27.6	42.1	57.7	75.0	92.1	109.7	127.7	146.0	165.6	184.9	204.7
30°	34.3	49.8	66.3	84.8	102.0	122.4	143.2	162.6	182.3	202.7	225.0
27.5°	41.0	57.0	74.8	93.5	111.5	134.8	157.3	177.5	197.8	219.7	245.1
25°	47.2	64.3	82.9	101.3	122.5	147.5	172.1	195.4	212.6	237.5	267.3
22.5°	53.2	71.4	91.3	108.3	133.1	160.3	188.9	214.0	234.3	256.5	290.3
20°	59.1	78.7	99.3	118.3	143.7	172.9	206.8	232.8	258.0	286.6	321.1
17.5°	64.8	85.5	107.1	129.7	156.5	186.8	225.3	251.7	281.8	316.1	359.5
15°	70.1	91.8	115.0	140.3	168.0	200.6	237.8	270.7	306.7	346.3	397.6
12.5°	75.1	97.6	122.8	150.2	178.2	212.6	248.3	283.3	324.7	376.5	441.1
10°	79.7	102.8	130.3	159.2	187.1	222.6	257.5	293.9	337.7	394.6	468.6
7.5°	83.5	108.1	137.4	167.3	194.7	230.9	265.5	302.7	348.5	409.5	487.0
5°	86.6	113.6	144.0	172.6	201.0	238.1	272.1	309.7	357.2	421.2	500.2
2.5°	89.3	118.7	149.8	176.5	206.5	244.6	277.5	317.4	365.9	430.2	512.5
0°	91.4	123.1	154.7	179.4	211.0	249.7	281.4	323.6	372.8	436.1	524.0
-2.5°	95.7	126.8	157.7	182.7	215.9	250.5	283.9	324.5	375.4	440.7	526.2
-5°	99.3	129.7	159.8	185.2	219.5	250.4	285.0	323.7	376.3	443.3	530.0
-7.5°	102.0	132.0	161.3	187.2	221.4	251.6	286.6	326.2	379.0	445.7	535.0
-10°	103.8	133.6	162.4	189.7	221.9	252.8	287.2	326.8	378.6	444.2	532.3
-12.5°	104.8	134.6	163.0	191.1	221.8	252.7	286.3	325.2	374.7	438.6	521.4
-15°	105.1	135.0	162.9	191.2	221.3	251.2	284.1	321.5	367.7	429.2	504.4
-17.5°	104.7	134.7	162.2	190.1	220.5	248.3	280.6	316.6	360.7	418.1	490.5
-20°	103.8	134.0	161.0	187.5	219.3	245.6	277.1	311.9	353.3	405.4	470.1

Classified

Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

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REPORT NUMBER: P627318 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4B-727-U-NR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	102.4	132.8	159.3	185.0	215.4	243.1	272.5	305.7	342.9	389.9	447.4
-25°	100.7	130.3	157.0	183.0	211.0	239.3	266.8	298.3	332.5	377.7	429.4
-27.5°	98.4	127.2	154.0	180.3	206.3	234.2	261.0	290.7	324.6	364.5	410.7
-30°	95.2	122.9	149.7	176.5	202.2	228.4	254.3	282.6	314.5	352.2	394.8
-32.5°	91.1	118.2	144.3	170.9	197.6	222.6	247.0	274.2	304.1	337.1	377.7
-35°	86.9	113.0	138.5	163.8	192.0	216.1	239.6	264.5	292.4	323.1	356.2
-37.5°	83.0	107.5	132.4	156.2	182.9	208.0	230.9	254.6	280.3	308.5	338.5
-40°	78.8	101.6	125.9	149.1	172.5	198.2	221.0	243.9	267.6	295.8	322.6
-42.5°	74.5	96.6	119.1	141.9	164.1	187.1	209.9	231.9	256.9	283.6	309.8
-45°	70.8	91.4	112.3	134.4	156.4	177.1	198.4	219.0	244.5	271.2	296.8
-47.5°	66.5	86.1	106.3	126.3	147.9	168.6	187.8	208.6	230.3	255.4	282.3
-50°	62.1	80.6	99.3	118.2	138.6	159.3	178.8	197.9	218.4	239.1	262.3
-52.5°	58.4	74.5	91.8	109.2	128.5	148.7	168.4	187.6	206.4	225.9	245.7
-55°	53.9	68.7	84.0	100.2	117.2	136.5	156.1	174.8	194.0	212.2	231.6
-57.5°	49.0	62.3	76.2	91.4	106.8	122.7	141.6	160.3	178.3	196.7	216.7
-60°	43.4	55.3	67.9	81.9	96.9	111.5	126.8	144.1	161.6	179.0	197.5
-62.5°	37.6	47.9	59.3	71.6	85.3	99.6	113.7	128.4	144.0	159.2	175.2
-65°	33.7	41.0	50.6	61.5	72.8	85.6	98.9	112.4	126.2	139.1	151.4
-67.5°	29.6	36.2	43.3	51.3	61.6	72.4	82.9	95.1	107.5	119.3	130.9
-70°	25.3	31.1	37.3	44.0	51.4	60.2	70.1	79.8	89.3	99.2	109.9
-72.5°	20.7	25.7	31.2	37.0	43.2	50.2	57.8	66.1	74.6	82.8	91.1
-75°	17.0	20.3	24.8	29.7	35.1	40.5	46.1	52.6	59.8	67.0	74.0
-77.5°	14.0	17.1	20.1	23.1	27.0	32.0	36.9	41.8	46.8	52.2	58.0
-80°	11.4	13.8	16.6	19.3	21.9	25.0	28.4	32.3	35.8	39.4	43.3
-82.5°	9.5	11.3	13.3	15.5	17.0	18.6	20.4	22.7	25.0	27.4	29.9
-85°	7.3	8.8	10.1	11.6	12.3	13.1	14.0	14.9	16.4	17.9	19.3
-87.5°	3.6	4.4	5.2	6.1	6.5	6.8	7.2	7.5	8.5	9.5	10.5
-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: P627318 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	0.0	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°	0.2	0.0	0.0	0.0	0.0	0.6	0.9	0.7	0.3	0.0	0.0
62.5°	2.0	1.7	2.7	3.6	4.0	3.9	3.6	3.2	2.7	2.5	2.9
60°	8.4	8.2	11.5	13.1	11.9	8.4	13.2	15.6	15.0	12.9	12.8
57.5°	20.6	25.1	28.3	29.7	34.4	41.9	43.3	40.8	40.0	40.8	47.1
55°	35.8	39.4	41.2	47.6	53.2	57.4	59.8	62.2	65.8	70.2	74.8
52.5°	50.6	55.5	59.3	65.0	71.8	74.2	73.5	82.2	89.0	93.3	95.1
50°	69.5	75.6	84.4	93.3	97.2	101.0	105.0	112.1	122.5	135.5	142.9
47.5°	89.8	99.5	108.7	118.9	124.1	128.1	134.1	146.5	161.3	175.3	182.5
45°	108.1	116.8	127.3	136.1	142.5	150.3	158.9	170.1	186.7	201.3	211.4
42.5°	122.9	132.6	143.4	154.1	160.5	171.0	184.2	199.5	216.8	232.0	243.2
40°	143.5	151.7	168.9	179.1	181.6	191.4	217.7	238.6	258.3	276.9	286.2
37.5°	168.5	184.5	202.3	211.6	220.6	237.9	273.1	306.9	331.9	357.2	371.0
35°	196.7	217.8	242.2	253.1	272.5	310.2	351.6	398.5	457.0	481.5	503.8
32.5°	224.3	247.9	270.3	294.7	328.8	373.7	420.3	496.5	567.7	622.7	663.0
30°	248.7	273.7	301.6	333.0	380.9	442.9	520.8	619.3	719.6	807.1	881.1
27.5°	272.8	301.3	334.4	381.3	448.6	532.9	657.2	797.8	965.2	1088.5	1235.8
25°	299.3	331.8	374.3	442.3	533.2	659.2	857.8	1086.1	1360.6	1583.2	1816.1
22.5°	330.6	378.6	432.5	508.3	667.2	874.7	1146.0	1536.2	1958.4	2348.8	2724.7
20°	368.4	434.1	520.6	660.1	864.1	1170.8	1642.3	2265.1	2886.0	3547.3	4183.9
17.5°	422.3	517.0	651.5	850.1	1118.8	1725.6	2490.6	3453.9	4691.5	5813.0	6792.2
15°	473.0	586.1	798.4	1095.3	1564.0	2368.2	3530.2	5120.1	7048.9	8806.7	10663.2
12.5°	526.2	659.6	903.5	1281.5	1932.8	2979.8	4612.7	6791.2	9206.3	11855.5	14873.1
10°	568.2	730.3	1022.4	1501.5	2304.4	3608.3	5553.3	8195.3	11404.7	15325.3	20149.0
7.5°	596.7	787.0	1120.5	1662.6	2646.5	4251.0	6592.4	9768.0	13780.3	18974.3	25724.1
5°	618.9	830.3	1194.3	1809.5	2935.9	4741.6	7362.2	11145.2	15891.5	22850.6	34289.4
2.5°	636.7	863.4	1239.9	1910.7	3117.6	5083.2	7878.7	11924.4	17148.2	25716.4	40556.8
0°	650.7	893.3	1269.7	1973.1	3256.8	5117.3	8040.0	12067.0	17599.3	26233.6	41905.6
-2.5°	656.6	909.4	1279.9	1986.8	3242.9	5175.9	8089.2	12180.9	17582.3	25950.2	40399.2
-5°	666.5	909.1	1272.2	1972.8	3170.2	5024.3	7767.9	11543.5	16521.6	23718.4	35556.2
-7.5°	673.6	894.6	1235.3	1883.4	2979.9	4696.5	7203.4	10487.6	14591.1	20055.4	27386.9
-10°	667.1	866.8	1173.9	1733.4	2684.0	4170.7	6345.1	9093.6	12504.0	16553.5	21534.6
-12.5°	642.0	815.4	1073.8	1523.4	2300.8	3581.6	5481.4	7821.6	10345.8	13189.8	16631.8
-15°	610.2	760.0	983.5	1379.3	2016.7	2997.8	4384.8	6283.2	8308.1	10467.4	12770.0
-17.5°	585.5	711.4	896.4	1183.0	1651.8	2431.9	3521.8	4870.5	6358.5	8002.5	9367.0
-20°	552.1	651.5	806.9	1040.9	1398.5	1915.4	2709.2	3689.0	4670.9	5826.8	6769.4

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REPORT NUMBER: P627318 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4B-727-U-NR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	518.6	605.2	723.4	894.7	1160.7	1551.2	2041.7	2695.9	3414.0	4077.4	4730.5
-25°	487.5	554.2	649.8	790.3	970.8	1237.3	1586.4	1961.7	2435.0	2838.8	3287.0
-27.5°	462.3	519.6	590.1	693.1	833.2	1004.6	1254.6	1506.1	1755.0	1958.8	2267.4
-30°	437.9	484.1	543.1	616.6	721.5	853.6	1015.9	1179.0	1322.7	1453.7	1614.4
-32.5°	414.1	451.6	496.9	557.8	633.2	732.5	832.2	949.1	1049.0	1141.1	1226.4
-35°	390.2	423.6	458.0	509.4	569.5	640.1	712.5	791.7	860.9	922.9	977.8
-37.5°	368.6	397.9	430.3	468.6	517.0	570.1	629.3	686.8	732.5	772.8	806.1
-40°	350.3	377.0	404.7	435.4	472.2	514.1	564.4	612.4	644.4	669.0	689.2
-42.5°	334.1	357.5	381.2	407.1	435.4	471.7	511.4	551.0	572.7	591.7	606.4
-45°	320.9	339.0	358.9	381.1	406.1	436.5	467.7	495.1	514.4	530.8	542.9
-47.5°	303.7	321.0	338.3	356.6	380.0	405.3	431.1	452.1	469.0	483.2	492.5
-50°	284.6	302.9	318.7	334.8	356.3	377.8	398.6	416.0	432.0	446.0	453.3
-52.5°	264.9	284.6	301.1	316.9	334.9	353.6	372.3	387.2	401.3	414.5	420.0
-55°	250.8	268.8	285.9	300.7	315.6	330.6	345.9	361.3	375.2	387.7	391.4
-57.5°	235.5	253.9	270.8	284.0	297.5	310.9	325.0	338.9	352.3	364.3	367.4
-60°	216.7	236.7	251.7	264.3	277.3	290.6	302.8	315.2	327.7	338.2	341.6
-62.5°	193.0	211.2	226.0	239.2	251.8	263.4	275.3	286.9	298.1	306.4	309.1
-65°	164.5	179.9	195.2	209.1	221.5	232.7	243.6	254.2	264.4	271.7	275.4
-67.5°	142.0	153.2	165.4	177.3	189.8	201.3	211.2	220.5	229.3	235.4	239.3
-70°	120.4	131.0	142.5	153.8	164.6	174.0	181.9	189.6	197.0	202.5	206.6
-72.5°	99.6	108.6	118.2	128.2	138.1	146.6	153.8	160.7	167.1	171.8	175.6
-75°	80.9	88.3	96.4	104.5	112.5	119.2	125.3	131.2	136.9	141.0	144.5
-77.5°	64.2	70.4	76.8	83.1	89.5	94.3	98.8	103.1	107.3	110.6	113.6
-80°	47.6	52.5	57.5	62.6	67.7	71.4	74.7	77.9	80.9	82.8	84.5
-82.5°	32.5	35.9	39.5	43.1	46.7	49.4	52.0	54.6	57.2	58.1	58.8
-85°	20.8	22.5	24.3	26.3	28.3	29.9	31.3	32.7	34.0	35.2	36.3
-87.5°	11.5	11.9	12.2	12.5	12.8	13.8	14.9	15.9	17.0	17.2	17.3
-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: P627318 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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	0.0
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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7
62.5°	3.1	3.3	3.5	3.5	3.5	3.3	3.1	2.9	2.5	2.7	3.2
60°	12.1	10.8	10.5	10.6	10.5	10.8	12.1	12.8	12.9	15.0	15.6
57.5°	53.5	59.5	61.2	59.8	61.2	59.5	53.5	47.1	40.8	40.0	40.8
55°	77.9	79.8	80.6	80.9	80.6	79.8	77.9	74.8	70.2	65.8	62.2
52.5°	95.5	94.9	94.8	95.0	94.8	94.9	95.5	95.1	93.3	89.0	82.2
50°	143.5	140.9	139.9	140.7	139.9	140.9	143.5	142.9	135.5	122.5	112.1
47.5°	183.4	184.2	185.5	186.4	185.5	184.2	183.4	182.5	175.3	161.3	146.5
45°	214.2	216.1	217.4	218.1	217.4	216.1	214.2	211.4	201.3	186.7	170.1
42.5°	245.6	245.9	245.5	246.2	245.5	245.9	245.6	243.2	232.0	216.8	199.5
40°	290.0	290.9	290.0	288.4	290.0	290.9	290.0	286.2	276.9	258.3	238.6
37.5°	379.0	380.3	376.1	372.8	376.1	380.3	379.0	371.0	357.2	331.9	306.9
35°	524.2	539.2	546.4	548.7	546.4	539.2	524.2	503.8	481.5	457.0	398.5
32.5°	690.8	711.7	722.2	731.5	722.2	711.7	690.8	663.0	622.7	567.7	496.5
30°	929.7	968.3	985.2	1009.4	985.2	968.3	929.7	881.1	807.1	719.6	619.3
27.5°	1319.4	1387.2	1424.7	1459.6	1424.7	1387.2	1319.4	1235.8	1088.5	965.2	797.8
25°	1985.3	2115.9	2200.4	2240.4	2200.4	2115.9	1985.3	1816.1	1583.2	1360.6	1086.1
22.5°	3088.4	3329.2	3515.0	3552.2	3515.0	3329.2	3088.4	2724.7	2348.8	1958.4	1536.2
20°	4801.4	5146.0	5426.3	5567.5	5426.3	5146.0	4801.4	4183.9	3547.3	2886.0	2265.1
17.5°	7958.5	8675.2	9002.6	9056.4	9002.6	8675.2	7958.5	6792.2	5813.0	4691.5	3453.9
15°	12655.3	13868.1	14638.1	15133.8	14638.1	13868.1	12655.3	10663.2	8806.7	7048.9	5120.1
12.5°	18014.2	21460.5	23421.5	24169.1	23421.5	21460.5	18014.2	14873.1	11855.5	9206.3	6791.2
10°	25287.5	33400.5	38080.5	40435.5	38080.5	33400.5	25287.5	20149.0	15325.3	11404.7	8195.3
7.5°	37632.0	50162.6	64046.2	70469.3	64046.2	50162.6	37632.0	25724.1	18974.3	13780.3	9768.0
5°	50608.9	78121.2	102269.1	113832.7	102269.1	78121.2	50608.9	34289.4	22850.6	15891.5	11145.2
2.5°	65523.9	102626.9	136931.6	151356.1	136931.6	102626.9	65523.9	40556.8	25716.4	17148.2	11924.4
0°	71264.2	114483.3	152001.4	166159.3	152001.4	114483.3	71264.2	41905.6	26233.6	17599.3	12067.0
-2.5°	66411.3	104424.4	137521.1	153698.4	137521.1	104424.4	66411.3	40399.2	25950.2	17582.3	12180.9
-5°	52767.2	78551.8	103063.1	116245.4	103063.1	78551.8	52767.2	35556.2	23718.4	16521.6	11543.5
-7.5°	38727.8	52764.8	66377.4	71137.5	66377.4	52764.8	38727.8	27386.9	20055.4	14591.1	10487.6
-10°	26963.1	35001.1	40307.0	41821.2	40307.0	35001.1	26963.1	21534.6	16553.5	12504.0	9093.6
-12.5°	19990.4	23506.3	25952.5	26377.8	25952.5	23506.3	19990.4	16631.8	13189.8	10345.8	7821.6
-15°	14802.4	16590.3	17852.0	17936.9	17852.0	16590.3	14802.4	12770.0	10467.4	8308.1	6283.2
-17.5°	10820.6	12020.8	12657.5	12612.1	12657.5	12020.8	10820.6	9367.0	8002.5	6358.5	4870.5
-20°	7737.3	8460.8	8973.9	8873.5	8973.9	8460.8	7737.3	6769.4	5826.8	4670.9	3689.0



REPORT NUMBER: P627318 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-727-U-NR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5395.0	5875.3	6175.9	6098.6	6175.9	5875.3	5395.0	4730.5	4077.4	3414.0	2695.9
-25°	3665.8	3927.5	4076.4	4051.6	4076.4	3927.5	3665.8	3287.0	2838.8	2435.0	1961.7
-27.5°	2498.1	2636.2	2682.4	2680.0	2682.4	2636.2	2498.1	2267.4	1958.8	1755.0	1506.1
-30°	1733.9	1826.8	1879.9	1846.4	1879.9	1826.8	1733.9	1614.4	1453.7	1322.7	1179.0
-32.5°	1292.3	1344.6	1374.9	1343.5	1374.9	1344.6	1292.3	1226.4	1141.1	1049.0	949.1
-35°	1018.4	1044.9	1055.6	1037.5	1055.6	1044.9	1018.4	977.8	922.9	860.9	791.7
-37.5°	830.3	845.9	851.2	840.6	851.2	845.9	830.3	806.1	772.8	732.5	686.8
-40°	703.6	713.1	715.4	706.9	715.4	713.1	703.6	689.2	669.0	644.4	612.4
-42.5°	615.6	621.3	622.6	619.0	622.6	621.3	615.6	606.4	591.7	572.7	551.0
-45°	550.2	555.0	555.9	552.2	555.9	555.0	550.2	542.9	530.8	514.4	495.1
-47.5°	497.2	500.2	500.9	499.4	500.9	500.2	497.2	492.5	483.2	469.0	452.1
-50°	456.6	458.7	458.9	457.2	458.9	458.7	456.6	453.3	446.0	432.0	416.0
-52.5°	422.7	424.1	425.1	425.6	425.1	424.1	422.7	420.0	414.5	401.3	387.2
-55°	394.0	395.9	397.0	397.4	397.0	395.9	394.0	391.4	387.7	375.2	361.3
-57.5°	369.7	371.4	372.5	372.8	372.5	371.4	369.7	367.4	364.3	352.3	338.9
-60°	344.4	346.4	347.8	348.2	347.8	346.4	344.4	341.6	338.2	327.7	315.2
-62.5°	310.9	311.8	312.6	313.0	312.6	311.8	310.9	309.1	306.4	298.1	286.9
-65°	278.1	280.0	281.1	281.4	281.1	280.0	278.1	275.4	271.7	264.4	254.2
-67.5°	242.5	244.9	247.5	249.7	247.5	244.9	242.5	239.3	235.4	229.3	220.5
-70°	210.2	213.3	214.3	214.5	214.3	213.3	210.2	206.6	202.5	197.0	189.6
-72.5°	178.9	181.9	184.3	186.4	184.3	181.9	178.9	175.6	171.8	167.1	160.7
-75°	147.6	150.3	151.0	151.2	151.0	150.3	147.6	144.5	141.0	136.9	131.2
-77.5°	116.4	118.9	119.5	119.6	119.5	118.9	116.4	113.6	110.6	107.3	103.1
-80°	86.0	87.4	89.5	91.4	89.5	87.4	86.0	84.5	82.8	80.9	77.9
-82.5°	59.2	59.6	59.7	59.8	59.7	59.6	59.2	58.8	58.1	57.2	54.6
-85°	37.5	38.5	38.7	38.7	38.7	38.5	37.5	36.3	35.2	34.0	32.7
-87.5°	17.4	17.5	17.6	17.6	17.6	17.5	17.4	17.3	17.2	17.0	15.9
-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: P627318 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-727-U-NR-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°	0.0	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	0.2
65°	0.9	0.6	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.9
62.5°	3.6	3.9	4.0	3.6	2.7	1.7	2.0	2.4	1.7	0.3	1.2
60°	13.2	8.4	11.9	13.1	11.5	8.2	8.4	7.8	6.5	5.1	3.4
57.5°	43.3	41.9	34.4	29.7	28.3	25.1	20.6	16.4	14.5	11.7	8.3
55°	59.8	57.4	53.2	47.6	41.2	39.4	35.8	30.7	25.8	20.0	16.2
52.5°	73.5	74.2	71.8	65.0	59.3	55.5	50.6	45.8	39.8	34.1	26.6
50°	105.0	101.0	97.2	93.3	84.4	75.6	69.5	62.8	54.3	47.9	41.5
47.5°	134.1	128.1	124.1	118.9	108.7	99.5	89.8	80.4	69.8	59.8	53.5
45°	158.9	150.3	142.5	136.1	127.3	116.8	108.1	97.7	85.5	74.0	63.1
42.5°	184.2	171.0	160.5	154.1	143.4	132.6	122.9	114.8	101.6	88.1	77.2
40°	217.7	191.4	181.6	179.1	168.9	151.7	143.5	134.7	120.6	103.0	92.2
37.5°	273.1	237.9	220.6	211.6	202.3	184.5	168.5	156.9	144.3	124.3	109.0
35°	351.6	310.2	272.5	253.1	242.2	217.8	196.7	180.9	165.8	146.9	127.0
32.5°	420.3	373.7	328.8	294.7	270.3	247.9	224.3	204.7	184.9	165.6	146.0
30°	520.8	442.9	380.9	333.0	301.6	273.7	248.7	225.0	202.7	182.3	162.6
27.5°	657.2	532.9	448.6	381.3	334.4	301.3	272.8	245.1	219.7	197.8	177.5
25°	857.8	659.2	533.2	442.3	374.3	331.8	299.3	267.3	237.5	212.6	195.4
22.5°	1146.0	874.7	667.2	508.3	432.5	378.6	330.6	290.3	256.5	234.3	214.0
20°	1642.3	1170.8	864.1	660.1	520.6	434.1	368.4	321.1	286.6	258.0	232.8
17.5°	2490.6	1725.6	1118.8	850.1	651.5	517.0	422.3	359.5	316.1	281.8	251.7
15°	3530.2	2368.2	1564.0	1095.3	798.4	586.1	473.0	397.6	346.3	306.7	270.7
12.5°	4612.7	2979.8	1932.8	1281.5	903.5	659.6	526.2	441.1	376.5	324.7	283.3
10°	5553.3	3608.3	2304.4	1501.5	1022.4	730.3	568.2	468.6	394.6	337.7	293.9
7.5°	6592.4	4251.0	2646.5	1662.6	1120.5	787.0	596.7	487.0	409.5	348.5	302.7
5°	7362.2	4741.6	2935.9	1809.5	1194.3	830.3	618.9	500.2	421.2	357.2	309.7
2.5°	7878.7	5083.2	3117.6	1910.7	1239.9	863.4	636.7	512.5	430.2	365.9	317.4
0°	8040.0	5117.3	3256.8	1973.1	1269.7	893.3	650.7	524.0	436.1	372.8	323.6
-2.5°	8089.2	5175.9	3242.9	1986.8	1279.9	909.4	656.6	526.2	440.7	375.4	324.5
-5°	7767.9	5024.3	3170.2	1972.8	1272.2	909.1	666.5	530.0	443.3	376.3	323.7
-7.5°	7203.4	4696.5	2979.9	1883.4	1235.3	894.6	673.6	535.0	445.7	379.0	326.2
-10°	6345.1	4170.7	2684.0	1733.4	1173.9	866.8	667.1	532.3	444.2	378.6	326.8
-12.5°	5481.4	3581.6	2300.8	1523.4	1073.8	815.4	642.0	521.4	438.6	374.7	325.2
-15°	4384.8	2997.8	2016.7	1379.3	983.5	760.0	610.2	504.4	429.2	367.7	321.5
-17.5°	3521.8	2431.9	1651.8	1183.0	896.4	711.4	585.5	490.5	418.1	360.7	316.6
-20°	2709.2	1915.4	1398.5	1040.9	806.9	651.5	552.1	470.1	405.4	353.3	311.9



Classified

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

Scaled Data Report



REPORT NUMBER: P627318 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4B-727-U-NR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2041.7	1551.2	1160.7	894.7	723.4	605.2	518.6	447.4	389.9	342.9	305.7
-25°	1586.4	1237.3	970.8	790.3	649.8	554.2	487.5	429.4	377.7	332.5	298.3
-27.5°	1254.6	1004.6	833.2	693.1	590.1	519.6	462.3	410.7	364.5	324.6	290.7
-30°	1015.9	853.6	721.5	616.6	543.1	484.1	437.9	394.8	352.2	314.5	282.6
-32.5°	832.2	732.5	633.2	557.8	496.9	451.6	414.1	377.7	337.1	304.1	274.2
-35°	712.5	640.1	569.5	509.4	458.0	423.6	390.2	356.2	323.1	292.4	264.5
-37.5°	629.3	570.1	517.0	468.6	430.3	397.9	368.6	338.5	308.5	280.3	254.6
-40°	564.4	514.1	472.2	435.4	404.7	377.0	350.3	322.6	295.8	267.6	243.9
-42.5°	511.4	471.7	435.4	407.1	381.2	357.5	334.1	309.8	283.6	256.9	231.9
-45°	467.7	436.5	406.1	381.1	358.9	339.0	320.9	296.8	271.2	244.5	219.0
-47.5°	431.1	405.3	380.0	356.6	338.3	321.0	303.7	282.3	255.4	230.3	208.6
-50°	398.6	377.8	356.3	334.8	318.7	302.9	284.6	262.3	239.1	218.4	197.9
-52.5°	372.3	353.6	334.9	316.9	301.1	284.6	264.9	245.7	225.9	206.4	187.6
-55°	345.9	330.6	315.6	300.7	285.9	268.8	250.8	231.6	212.2	194.0	174.8
-57.5°	325.0	310.9	297.5	284.0	270.8	253.9	235.5	216.7	196.7	178.3	160.3
-60°	302.8	290.6	277.3	264.3	251.7	236.7	216.7	197.5	179.0	161.6	144.1
-62.5°	275.3	263.4	251.8	239.2	226.0	211.2	193.0	175.2	159.2	144.0	128.4
-65°	243.6	232.7	221.5	209.1	195.2	179.9	164.5	151.4	139.1	126.2	112.4
-67.5°	211.2	201.3	189.8	177.3	165.4	153.2	142.0	130.9	119.3	107.5	95.1
-70°	181.9	174.0	164.6	153.8	142.5	131.0	120.4	109.9	99.2	89.3	79.8
-72.5°	153.8	146.6	138.1	128.2	118.2	108.6	99.6	91.1	82.8	74.6	66.1
-75°	125.3	119.2	112.5	104.5	96.4	88.3	80.9	74.0	67.0	59.8	52.6
-77.5°	98.8	94.3	89.5	83.1	76.8	70.4	64.2	58.0	52.2	46.8	41.8
-80°	74.7	71.4	67.7	62.6	57.5	52.5	47.6	43.3	39.4	35.8	32.3
-82.5°	52.0	49.4	46.7	43.1	39.5	35.9	32.5	29.9	27.4	25.0	22.7
-85°	31.3	29.9	28.3	26.3	24.3	22.5	20.8	19.3	17.9	16.4	14.9
-87.5°	14.9	13.8	12.8	12.5	12.2	11.9	11.5	10.5	9.5	8.5	7.5
-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: P627318 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-727-U-NR-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°	0.0	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	0.1	0.3	0.1	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.7	0.2
70°	0.0	0.0	0.0	0.3	0.3	0.0	0.0	0.5	1.3	1.5	1.1
67.5°	0.0	0.0	0.0	0.7	1.2	1.0	0.2	0.6	1.4	2.2	2.0
65°	1.2	0.8	0.1	0.9	1.7	2.3	1.7	1.1	1.5	2.4	2.9
62.5°	2.1	2.6	2.0	1.4	1.9	2.8	3.2	2.2	1.8	2.5	3.3
60°	2.3	3.1	3.5	2.8	2.5	3.0	3.5	3.2	2.5	2.6	3.4
57.5°	6.2	4.0	4.0	3.8	3.2	3.2	3.5	3.5	3.1	2.9	3.5
55°	11.5	8.4	5.9	4.7	4.0	3.5	3.6	3.5	3.5	3.2	3.5
52.5°	20.0	14.5	10.7	7.2	5.3	4.0	4.0	3.5	3.5	3.4	3.5
50°	31.8	22.9	16.8	12.1	7.5	5.9	4.5	4.1	3.5	3.5	3.5
47.5°	46.5	34.2	24.5	17.7	12.4	7.9	6.2	4.8	3.5	3.5	3.5
45°	57.4	47.7	34.1	24.7	17.4	12.0	8.4	5.8	4.3	3.6	3.5
42.5°	68.1	59.3	46.4	31.6	23.9	16.5	10.8	7.8	5.3	3.8	3.6
40°	81.8	70.8	58.2	43.1	31.1	21.0	14.6	10.0	6.4	4.5	3.9
37.5°	95.9	83.6	69.8	54.2	39.2	27.8	18.5	12.4	8.1	5.7	4.3
35°	111.7	96.9	81.3	64.7	48.8	34.9	22.3	15.2	10.3	7.0	4.7
32.5°	127.7	109.7	92.1	75.0	57.7	42.1	27.6	18.8	12.5	8.3	5.2
30°	143.2	122.4	102.0	84.8	66.3	49.8	34.3	22.8	14.6	9.8	5.8
27.5°	157.3	134.8	111.5	93.5	74.8	57.0	41.0	27.0	16.6	11.3	7.0
25°	172.1	147.5	122.5	101.3	82.9	64.3	47.2	31.5	19.5	13.0	8.1
22.5°	188.9	160.3	133.1	108.3	91.3	71.4	53.2	36.9	23.0	14.6	9.2
20°	206.8	172.9	143.7	118.3	99.3	78.7	59.1	41.9	26.6	16.1	10.4
17.5°	225.3	186.8	156.5	129.7	107.1	85.5	64.8	46.4	30.2	17.5	11.5
15°	237.8	200.6	168.0	140.3	115.0	91.8	70.1	50.5	33.8	18.8	12.6
12.5°	248.3	212.6	178.2	150.2	122.8	97.6	75.1	54.2	37.3	20.6	13.7
10°	257.5	222.6	187.1	159.2	130.3	102.8	79.7	57.5	40.5	22.9	14.6
7.5°	265.5	230.9	194.7	167.3	137.4	108.1	83.5	60.3	43.3	25.2	15.5
5°	272.1	238.1	201.0	172.6	144.0	113.6	86.6	62.8	45.6	27.5	16.3
2.5°	277.5	244.6	206.5	176.5	149.8	118.7	89.3	65.0	47.6	29.7	17.0
0°	281.4	249.7	211.0	179.4	154.7	123.1	91.4	66.8	49.2	31.7	17.6
-2.5°	283.9	250.5	215.9	182.7	157.7	126.8	95.7	69.1	50.5	33.5	18.7
-5°	285.0	250.4	219.5	185.2	159.8	129.7	99.3	71.0	51.6	35.0	19.6
-7.5°	286.6	251.6	221.4	187.2	161.3	132.0	102.0	72.4	52.3	36.3	20.5
-10°	287.2	252.8	221.9	189.7	162.4	133.6	103.8	73.2	52.9	37.2	21.2
-12.5°	286.3	252.7	221.8	191.1	163.0	134.6	104.8	74.6	53.5	37.8	21.9
-15°	284.1	251.2	221.3	191.2	162.9	135.0	105.1	75.9	54.5	37.9	22.4
-17.5°	280.6	248.3	220.5	190.1	162.2	134.7	104.7	76.5	55.1	37.6	22.9
-20°	277.1	245.6	219.3	187.5	161.0	134.0	103.8	76.3	55.0	37.1	23.4

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REPORT NUMBER: P627318 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4B-727-U-NR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	272.5	243.1	215.4	185.0	159.3	132.8	102.4	75.4	54.4	36.2	23.7
-25°	266.8	239.3	211.0	183.0	157.0	130.3	100.7	73.8	53.1	35.1	23.8
-27.5°	261.0	234.2	206.3	180.3	154.0	127.2	98.4	72.2	51.4	33.7	23.8
-30°	254.3	228.4	202.2	176.5	149.7	122.9	95.2	69.8	49.4	33.0	23.5
-32.5°	247.0	222.6	197.6	170.9	144.3	118.2	91.1	66.5	47.2	32.6	23.2
-35°	239.6	216.1	192.0	163.8	138.5	113.0	86.9	62.3	44.7	31.9	22.9
-37.5°	230.9	208.0	182.9	156.2	132.4	107.5	83.0	59.8	41.9	31.0	22.5
-40°	221.0	198.2	172.5	149.1	125.9	101.6	78.8	57.7	40.1	29.9	22.0
-42.5°	209.9	187.1	164.1	141.9	119.1	96.6	74.5	54.9	39.3	28.9	21.3
-45°	198.4	177.1	156.4	134.4	112.3	91.4	70.8	51.9	38.2	28.0	20.6
-47.5°	187.8	168.6	147.9	126.3	106.3	86.1	66.5	49.9	36.5	27.1	19.9
-50°	178.8	159.3	138.6	118.2	99.3	80.6	62.1	47.4	35.1	26.0	19.1
-52.5°	168.4	148.7	128.5	109.2	91.8	74.5	58.4	44.3	33.2	24.7	18.0
-55°	156.1	136.5	117.2	100.2	84.0	68.7	53.9	41.1	30.7	23.3	16.9
-57.5°	141.6	122.7	106.8	91.4	76.2	62.3	49.0	37.2	28.4	21.6	15.5
-60°	126.8	111.5	96.9	81.9	67.9	55.3	43.4	33.3	26.2	19.7	14.0
-62.5°	113.7	99.6	85.3	71.6	59.3	47.9	37.6	30.3	23.7	17.7	12.4
-65°	98.9	85.6	72.8	61.5	50.6	41.0	33.7	27.0	21.0	15.5	11.0
-67.5°	82.9	72.4	61.6	51.3	43.3	36.2	29.6	23.6	18.1	13.2	10.0
-70°	70.1	60.2	51.4	44.0	37.3	31.1	25.3	19.9	15.1	11.8	9.0
-72.5°	57.8	50.2	43.2	37.0	31.2	25.7	20.7	16.4	13.1	10.3	7.9
-75°	46.1	40.5	35.1	29.7	24.8	20.3	17.0	13.8	11.1	8.7	6.9
-77.5°	36.9	32.0	27.0	23.1	20.1	17.1	14.0	11.1	9.2	7.6	6.0
-80°	28.4	25.0	21.9	19.3	16.6	13.8	11.4	9.3	7.9	6.4	5.0
-82.5°	20.4	18.6	17.0	15.5	13.3	11.3	9.5	7.9	6.6	5.3	3.9
-85°	14.0	13.1	12.3	11.6	10.1	8.8	7.3	5.9	4.7	3.6	2.6
-87.5°	7.2	6.8	6.5	6.1	5.2	4.4	3.6	3.0	2.3	1.8	1.3
-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):**

	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°	0.0	0.0	0.0	0.0	0.0	0.1	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.2	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.2	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.0
77.5°	0.0	0.1	0.0	0.0	0.0	0.4	0.0
75°	0.1	0.3	0.1	0.0	0.1	0.5	0.0
72.5°	0.2	0.5	0.4	0.0	0.1	0.6	0.0
70°	0.4	0.8	0.7	0.1	0.1	0.6	0.0
67.5°	1.2	1.1	1.1	0.4	0.2	0.7	0.0
65°	2.0	1.5	1.4	0.8	0.3	0.8	0.0
62.5°	2.8	2.0	1.8	1.1	0.4	0.9	0.0
60°	3.4	2.4	2.2	1.5	0.5	1.0	0.0
57.5°	3.5	2.9	2.5	1.8	0.8	1.1	0.0
55°	3.5	3.2	2.7	2.2	1.1	1.2	0.0
52.5°	3.5	3.5	2.9	2.6	1.3	1.3	0.0
50°	3.5	3.5	3.1	3.0	1.6	1.4	0.0
47.5°	3.5	3.5	3.2	3.3	1.8	1.5	0.0
45°	3.5	3.5	3.4	3.4	2.0	1.6	0.0
42.5°	3.5	3.5	3.5	3.5	2.3	1.7	0.0
40°	3.5	3.5	3.5	3.5	2.4	1.8	0.0
37.5°	3.5	3.5	3.5	3.5	2.6	1.9	0.0
35°	3.5	3.5	3.5	3.5	2.8	2.0	0.0
32.5°	3.6	3.5	3.5	3.5	2.9	2.2	0.0
30°	4.0	3.5	3.5	3.5	3.0	2.3	0.0
27.5°	4.4	3.5	3.5	3.5	3.1	2.4	0.0
25°	4.8	3.5	3.5	3.5	3.2	2.5	0.0
22.5°	5.2	3.6	3.5	3.5	3.3	2.6	0.0
20°	5.7	3.8	3.5	3.5	3.4	2.7	0.0
17.5°	6.3	4.1	3.5	3.5	3.4	2.8	0.0
15°	7.0	4.5	3.5	3.5	3.4	2.9	0.0
12.5°	7.7	4.9	3.5	3.5	3.5	3.0	0.0
10°	8.4	5.3	3.5	3.5	3.5	3.1	0.0
7.5°	9.0	5.7	3.5	3.5	3.5	3.2	0.0
5°	9.6	6.2	3.5	3.5	3.5	3.3	0.0
2.5°	10.1	6.6	3.5	3.5	3.5	3.4	0.0
0°	10.6	7.0	3.5	3.5	3.5	3.5	0.0
-2.5°	11.5	7.4	3.8	3.5	3.5	3.5	0.0
-5°	12.4	7.7	4.1	3.5	3.5	3.5	0.0
-7.5°	13.1	8.0	4.4	3.5	3.5	3.5	0.0
-10°	13.8	8.3	4.7	3.5	3.5	3.4	0.0
-12.5°	14.4	8.6	4.9	3.5	3.5	3.4	0.0
-15°	14.8	8.7	5.1	3.5	3.5	3.4	0.0
-17.5°	15.1	8.9	5.2	3.5	3.5	3.3	0.0
-20°	15.3	9.0	5.3	3.5	3.5	3.3	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	15.5	9.1	5.4	3.5	3.5	3.2	0.0
-25°	15.6	9.3	5.4	3.5	3.5	3.2	0.0
-27.5°	15.6	9.6	5.3	3.5	3.5	3.1	0.0
-30°	15.6	9.7	5.1	3.5	3.5	3.0	0.0
-32.5°	15.4	9.8	5.1	3.5	3.5	3.0	0.0
-35°	15.3	9.8	5.1	3.5	3.5	2.9	0.0
-37.5°	15.3	9.6	5.0	3.5	3.5	2.8	0.0
-40°	15.1	9.5	4.8	3.5	3.5	2.7	0.0
-42.5°	14.7	9.2	4.7	3.5	3.5	2.6	0.0
-45°	14.3	8.8	4.9	3.6	3.5	2.5	0.0
-47.5°	13.7	8.4	4.9	3.7	3.5	2.4	0.0
-50°	13.0	7.8	5.0	3.7	3.5	2.2	0.0
-52.5°	12.2	7.2	5.0	3.8	3.5	2.1	0.0
-55°	11.3	7.0	5.0	3.8	3.5	2.0	0.0
-57.5°	10.2	6.8	4.9	3.8	3.5	1.9	0.0
-60°	9.2	6.6	4.8	3.8	3.5	1.7	0.0
-62.5°	8.7	6.3	4.6	3.7	3.2	1.6	0.0
-65°	8.1	6.0	4.5	3.7	3.0	1.5	0.0
-67.5°	7.5	5.6	4.3	3.6	2.7	1.3	0.0
-70°	6.8	5.2	4.1	3.5	2.4	1.2	0.0
-72.5°	6.1	4.7	3.8	3.1	2.1	1.1	0.0
-75°	5.3	4.2	3.5	2.7	1.8	0.9	0.0
-77.5°	4.5	3.7	3.0	2.3	1.5	0.8	0.0
-80°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-82.5°	2.7	2.3	1.8	1.4	0.9	0.5	0.0
-85°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
-87.5°	0.9	0.8	0.6	0.5	0.3	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)