

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: P626835 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2B-727-U-MR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P626835 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-13)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA2B-727-U-MR-XX  
Description: GALLEON FLOOD, TWO LIGHT SQUARE, MEDIUM SYMMETRICAL ROUND N38  
Light Source: (32) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8287.1 lumens  
Efficiency: N/A  
Efficacy: 130.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')

NEMA Type: 4H x 4V  
Max Intensity: 26524.6 candela  
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 28.8°H x 29°V  
Beam Lumens: 4029.1 lumens  
Beam Efficiency: 48.6%

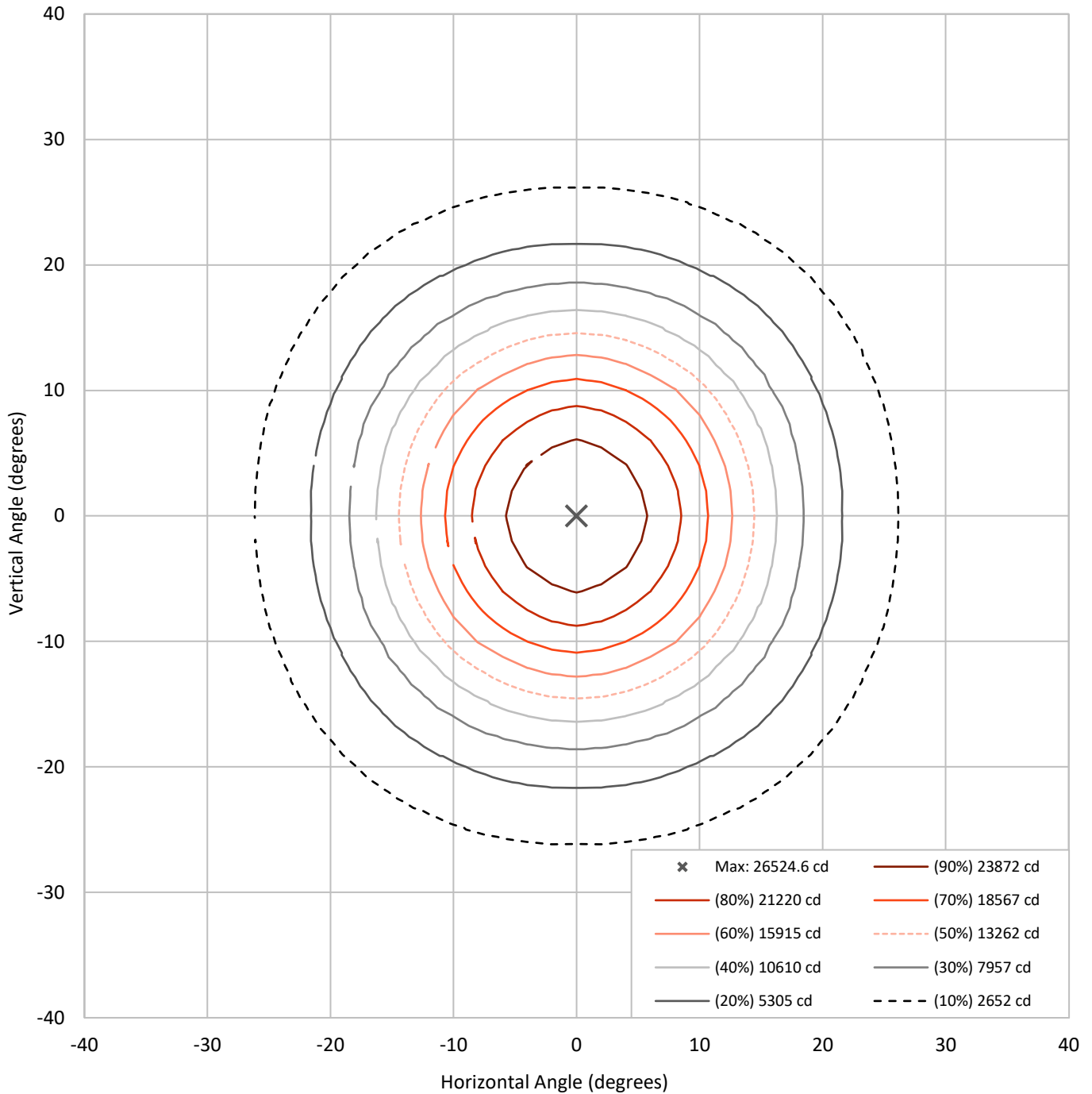
Field Angle (10%): 52.3°H x 52.3°V  
Field Lumens: 6799.5 lumens  
Field Efficiency: 82.0%

Input Watts (W): 63.6  
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





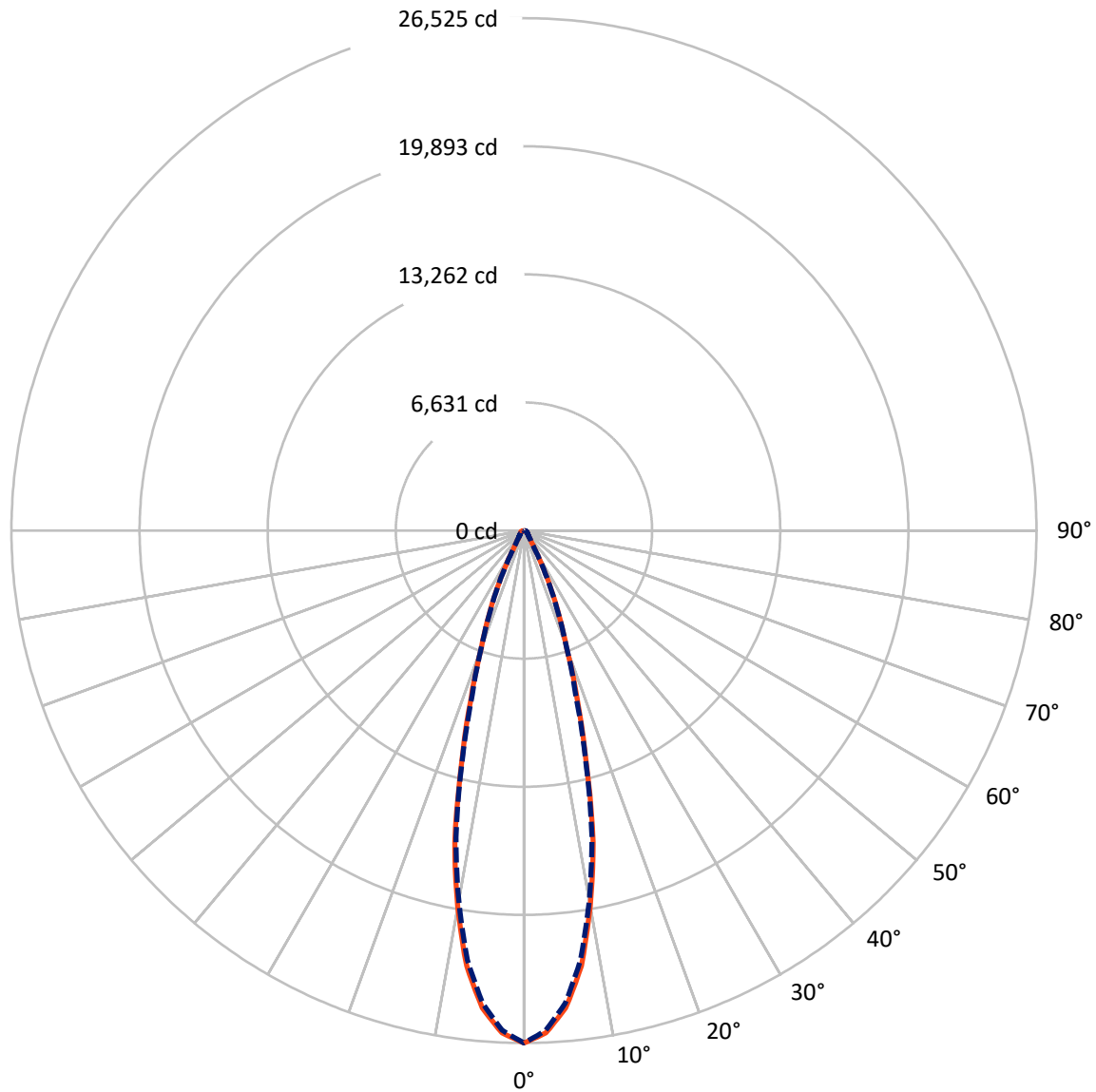
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### Lumen Table

90	0.2	1.4	3.6	5.7	6.3	5.7	3.6	1.4	0.2										
80	0.2	1.4	3.6	5.7	6.3	5.7	3.6	1.4	0.2										
70	0.6	0.7	1.4	2.3	3.3	4.0	4.5	4.7	4.7	4.5	4.0	3.3	2.3	1.4	0.7	0.6			
60		1.1	2.1	3.5	4.6	5.7	6.4	6.6	6.6	6.4	5.7	4.6	3.5	2.1	1.1				
50	1.1	1.4	2.7	4.3	5.7	7.2	8.4	9.1	9.1	8.4	7.2	5.7	4.3	2.7	1.4	1.1			
40		1.6	3.2	4.9	7.0	9.9	14.4	18.7	18.7	14.4	9.9	7.0	4.9	3.2	1.6				
30	1.4	1.8	3.5	5.5	8.9	19.4	54.5	96.7	96.7	54.5	19.4	8.9	5.5	3.5	1.8	1.4			
20		1.9	3.7	6.0	12.1	50.9	181.3	347.4	347.4	181.3	50.9	12.1	6.0	3.7	1.9				
10	1.5	2.0	3.8	6.3	15.4	87.8	335.5	660.0	660.0	335.5	87.8	15.4	6.3	3.8	2.0	1.5			
0		2.0	3.8	6.3	15.4	87.8	335.5	660.0	660.0	335.5	87.8	15.4	6.3	3.8	2.0				
-10	1.4	1.9	3.7	6.0	12.1	50.9	181.3	347.4	347.4	181.3	50.9	12.1	6.0	3.7	1.9	1.4			
-20		1.8	3.5	5.5	8.9	19.4	54.5	96.7	96.7	54.5	19.4	8.9	5.5	3.5	1.8				
-30	1.1	1.6	3.2	4.9	7.0	9.9	14.4	18.7	18.7	14.4	9.9	7.0	4.9	3.2	1.6	1.1			
-40		1.4	2.7	4.3	5.7	7.2	8.4	9.1	9.1	8.4	7.2	5.7	4.3	2.7	1.4				
-50	0.6	1.1	2.1	3.5	4.6	5.7	6.4	6.6	6.6	6.4	5.7	4.6	3.5	2.1	1.1	0.6			
-60		0.7	1.4	2.3	3.3	4.0	4.5	4.7	4.7	4.5	4.0	3.3	2.3	1.4	0.7				
-70	0.2	1.4	3.6	5.7	6.3	5.7	3.6	1.4	0.2										
-80		0.2	1.4	3.6	5.7	6.3	5.7	3.6	1.4	0.2									
-90	0.2	1.4	3.6	5.7	6.3	5.7	3.6	1.4	0.2										
	-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

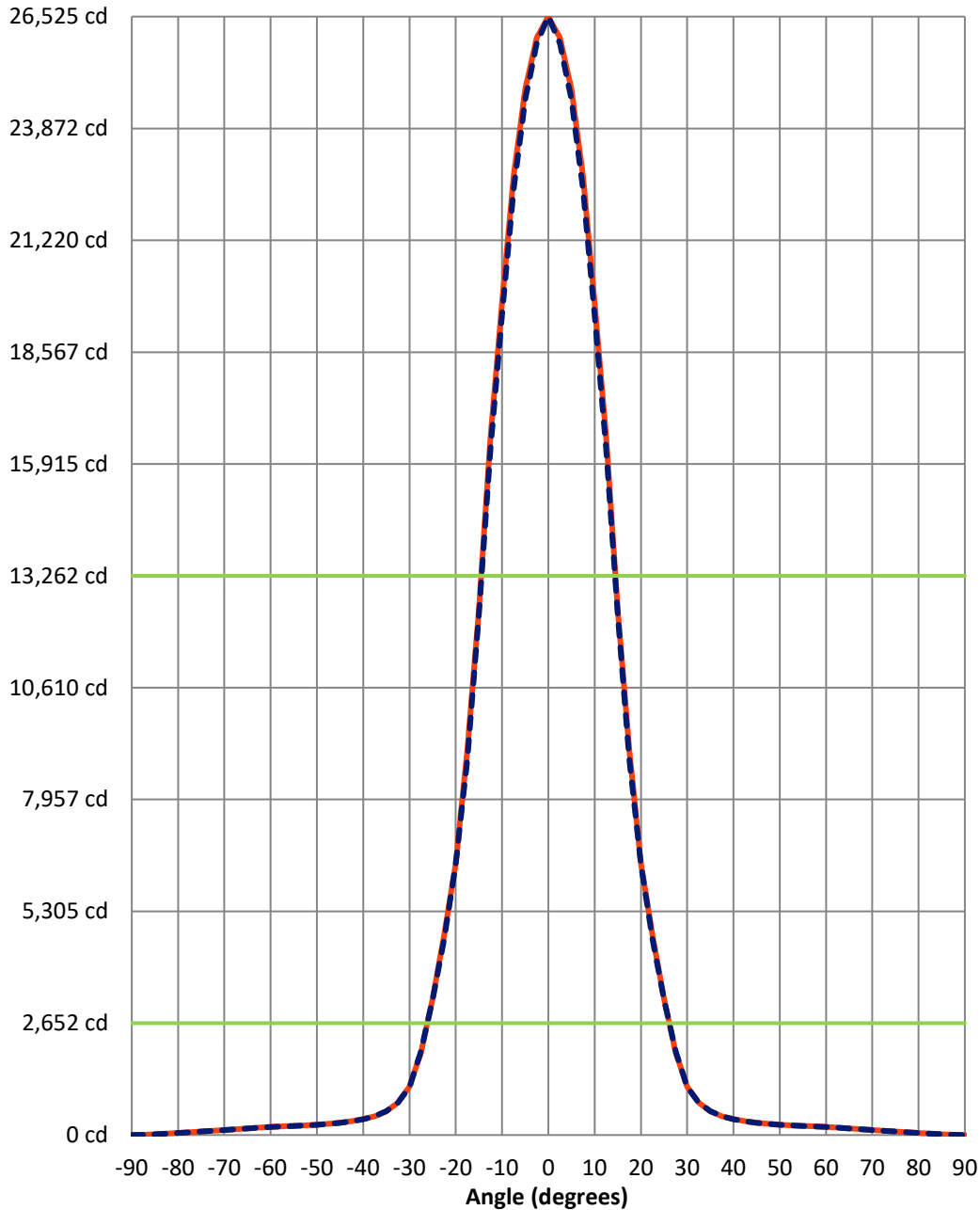


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 28.8°  
 V Angle: 29°  
 Lumens: 4029.1  
 Efficiency: 48.6%

**Field:**  
 H Angle: 52.3°  
 V Angle: 52.3°  
 Lumens: 6799.5  
 Efficiency: 82.0%

**Spill:**  
 Lumens: 1487.6  
 Efficiency: 18.0%

— 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	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.3	2.6	2.9
85°	0.0	0.6	1.2	1.8	2.4	2.9	3.5	4.1	4.6	5.2	5.7
82.5°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.1	8.7	10.4
80°	0.0	1.2	2.4	3.5	4.7	5.9	7.2	9.2	11.4	13.7	16.1
77.5°	0.0	1.5	2.9	4.4	5.9	7.7	10.2	12.8	15.6	18.6	21.8
75°	0.0	1.8	3.5	5.3	7.2	10.2	13.2	16.4	19.9	24.1	28.2
72.5°	0.0	2.0	4.1	6.1	9.1	12.7	16.1	20.2	25.0	29.7	34.4
70°	0.0	2.3	4.6	7.1	11.1	15.1	19.2	24.5	29.9	35.3	41.1
67.5°	0.0	2.6	5.2	8.5	13.0	17.5	22.9	28.8	34.9	41.4	47.8
65°	0.0	2.9	5.7	10.0	14.9	20.2	26.6	33.0	40.2	47.3	54.6
62.5°	0.0	3.1	6.3	11.3	16.8	23.2	30.2	37.5	45.4	53.3	61.5
60°	0.0	3.4	6.8	12.7	18.6	26.2	33.7	41.9	50.5	59.2	68.3
57.5°	0.0	3.7	7.7	14.0	20.9	29.0	37.4	46.3	55.5	65.0	75.0
55°	0.0	3.9	8.5	15.3	23.1	31.8	41.0	50.6	60.4	70.7	81.5
52.5°	0.0	4.1	9.4	16.6	25.3	34.6	44.4	54.7	65.2	76.5	87.9
50°	0.0	4.4	10.2	17.8	27.4	37.3	47.7	58.6	69.8	82.0	93.8
47.5°	0.0	4.6	11.0	19.1	29.4	39.9	50.9	62.5	74.5	87.3	99.5
45°	0.0	4.8	11.7	20.5	31.3	42.4	54.1	66.2	79.1	92.1	104.8
42.5°	0.0	5.0	12.4	21.9	33.2	44.8	57.1	69.8	83.5	96.6	109.6
40°	0.0	5.2	13.1	23.2	35.0	47.0	60.0	73.4	87.5	100.8	114.2
37.5°	0.0	5.4	13.8	24.5	36.7	49.1	62.7	76.8	91.0	104.8	118.5
35°	0.0	5.6	14.4	25.6	38.3	51.2	65.3	79.9	94.4	108.6	122.6
32.5°	0.0	5.7	15.0	26.7	39.8	53.2	67.7	82.8	97.5	112.1	126.6
30°	0.0	5.9	15.5	27.6	41.1	55.1	70.0	85.4	100.5	115.4	130.3
27.5°	0.0	6.0	16.0	28.5	42.4	56.8	72.1	87.7	103.1	118.4	133.6
25°	0.0	6.2	16.5	29.3	43.5	58.4	74.0	89.9	105.6	121.2	136.7
22.5°	0.0	6.3	16.9	30.0	44.6	59.8	75.7	91.8	107.8	123.7	139.8
20°	0.0	6.4	17.3	30.6	45.5	61.0	77.2	93.5	109.7	125.9	142.6
17.5°	0.0	6.5	17.6	31.1	46.4	62.1	78.5	94.9	111.4	127.8	145.0
15°	0.0	6.6	17.9	31.5	47.2	63.0	79.8	96.3	112.8	129.4	147.1
12.5°	0.0	6.6	18.1	31.9	47.8	63.7	80.8	97.6	114.1	130.7	148.7
10°	0.0	6.7	18.3	32.1	48.4	64.2	81.7	98.6	115.3	132.3	150.3
7.5°	0.0	6.7	18.5	32.3	48.8	64.6	82.5	99.4	116.3	133.7	152.0
5°	0.0	6.8	18.6	32.4	49.1	64.8	83.0	100.0	117.0	134.8	153.3
2.5°	0.0	6.8	18.7	32.4	49.3	64.8	83.3	100.4	117.4	135.7	154.3
0°	0.0	6.8	18.7	32.3	49.4	64.7	83.4	100.5	117.5	136.2	154.9
-2.5°	0.0	6.8	18.7	32.4	49.3	64.8	83.3	100.4	117.4	135.7	154.3
-5°	0.0	6.8	18.6	32.4	49.1	64.8	83.0	100.0	117.0	134.8	153.3
-7.5°	0.0	6.7	18.5	32.3	48.8	64.6	82.5	99.4	116.3	133.7	152.0
-10°	0.0	6.7	18.3	32.1	48.4	64.2	81.7	98.6	115.3	132.3	150.3
-12.5°	0.0	6.6	18.1	31.9	47.8	63.7	80.8	97.6	114.1	130.7	148.7
-15°	0.0	6.6	17.9	31.5	47.2	63.0	79.8	96.3	112.8	129.4	147.1
-17.5°	0.0	6.5	17.6	31.1	46.4	62.1	78.5	94.9	111.4	127.8	145.0
-20°	0.0	6.4	17.3	30.6	45.5	61.0	77.2	93.5	109.7	125.9	142.6

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REPORT NUMBER: P626835 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA2B-727-U-MR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.3	16.9	30.0	44.6	59.8	75.7	91.8	107.8	123.7	139.8
-25°	0.0	6.2	16.5	29.3	43.5	58.4	74.0	89.9	105.6	121.2	136.7
-27.5°	0.0	6.0	16.0	28.5	42.4	56.8	72.1	87.7	103.1	118.4	133.6
-30°	0.0	5.9	15.5	27.6	41.1	55.1	70.0	85.4	100.5	115.4	130.3
-32.5°	0.0	5.7	15.0	26.7	39.8	53.2	67.7	82.8	97.5	112.1	126.6
-35°	0.0	5.6	14.4	25.6	38.3	51.2	65.3	79.9	94.4	108.6	122.6
-37.5°	0.0	5.4	13.8	24.5	36.7	49.1	62.7	76.8	91.0	104.8	118.5
-40°	0.0	5.2	13.1	23.2	35.0	47.0	60.0	73.4	87.5	100.8	114.2
-42.5°	0.0	5.0	12.4	21.9	33.2	44.8	57.1	69.8	83.5	96.6	109.6
-45°	0.0	4.8	11.7	20.5	31.3	42.4	54.1	66.2	79.1	92.1	104.8
-47.5°	0.0	4.6	11.0	19.1	29.4	39.9	50.9	62.5	74.5	87.3	99.5
-50°	0.0	4.4	10.2	17.8	27.4	37.3	47.7	58.6	69.8	82.0	93.8
-52.5°	0.0	4.1	9.4	16.6	25.3	34.6	44.4	54.7	65.2	76.5	87.9
-55°	0.0	3.9	8.5	15.3	23.1	31.8	41.0	50.6	60.4	70.7	81.5
-57.5°	0.0	3.7	7.7	14.0	20.9	29.0	37.4	46.3	55.5	65.0	75.0
-60°	0.0	3.4	6.8	12.7	18.6	26.2	33.7	41.9	50.5	59.2	68.3
-62.5°	0.0	3.1	6.3	11.3	16.8	23.2	30.2	37.5	45.4	53.3	61.5
-65°	0.0	2.9	5.7	10.0	14.9	20.2	26.6	33.0	40.2	47.3	54.6
-67.5°	0.0	2.6	5.2	8.5	13.0	17.5	22.9	28.8	34.9	41.4	47.8
-70°	0.0	2.3	4.6	7.1	11.1	15.1	19.2	24.5	29.9	35.3	41.1
-72.5°	0.0	2.0	4.1	6.1	9.1	12.7	16.1	20.2	25.0	29.7	34.4
-75°	0.0	1.8	3.5	5.3	7.2	10.2	13.2	16.4	19.9	24.1	28.2
-77.5°	0.0	1.5	2.9	4.4	5.9	7.7	10.2	12.8	15.6	18.6	21.8
-80°	0.0	1.2	2.4	3.5	4.7	5.9	7.2	9.2	11.4	13.7	16.1
-82.5°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.1	8.7	10.4
-85°	0.0	0.6	1.2	1.8	2.4	2.9	3.5	4.1	4.6	5.2	5.7
-87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.3	2.6	2.9
-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):**

	-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°	3.1	3.4	3.7	3.9	4.1	4.4	4.6	4.8	5.0	5.2	5.4
85°	6.3	6.8	7.8	8.8	9.7	10.7	11.6	12.4	13.2	14.0	14.8
82.5°	12.0	13.6	15.1	16.6	18.0	19.4	20.7	22.0	23.3	24.4	25.6
80°	18.2	20.3	22.4	24.3	26.3	28.1	29.9	31.7	33.3	35.1	36.9
77.5°	24.8	27.5	30.0	32.2	34.6	37.5	40.3	43.0	45.5	48.0	50.3
75°	31.7	34.7	38.0	41.3	44.7	48.2	51.6	54.8	58.0	61.3	64.5
72.5°	38.8	42.9	47.0	50.9	55.2	59.4	63.3	66.8	70.8	75.2	79.2
70°	46.4	51.2	56.2	61.2	66.1	70.8	75.6	80.4	85.3	90.0	94.6
67.5°	54.0	60.0	65.8	71.5	77.0	82.7	88.4	94.2	99.9	105.3	110.5
65°	62.1	68.8	75.3	81.7	87.8	94.8	101.5	108.1	115.2	121.8	127.5
62.5°	70.0	77.5	84.7	91.9	99.4	107.1	114.9	123.1	131.6	137.7	143.0
60°	77.6	86.0	94.1	102.4	110.8	119.3	128.3	137.1	144.8	151.5	157.1
57.5°	85.0	94.5	103.4	112.4	121.5	131.3	141.2	150.1	157.4	163.8	169.9
55°	92.2	102.7	112.2	121.7	132.1	143.6	153.7	161.8	169.2	174.6	180.4
52.5°	99.1	110.3	120.2	130.9	142.8	154.7	164.8	172.6	178.8	184.4	190.0
50°	105.6	116.9	127.9	140.0	152.6	164.6	174.8	182.0	188.2	194.0	199.4
47.5°	111.6	123.3	135.7	148.7	161.8	173.6	183.4	190.8	197.2	203.1	209.1
45°	117.1	129.7	142.9	157.2	170.7	182.3	191.2	199.1	205.3	212.0	219.5
42.5°	122.5	135.9	150.3	165.5	179.2	189.9	198.5	206.1	213.2	221.2	229.6
40°	127.7	141.7	157.3	173.2	187.2	196.5	205.1	213.1	221.4	230.4	239.6
37.5°	132.6	147.7	163.8	180.4	193.1	202.7	211.6	220.6	229.9	239.6	251.0
35°	137.1	153.1	170.1	186.1	198.3	208.8	218.3	228.0	238.5	250.4	262.9
32.5°	141.5	158.1	175.9	190.9	203.0	214.2	224.8	235.8	247.7	260.8	275.1
30°	145.8	162.9	181.0	195.8	207.2	218.7	231.1	243.3	256.5	271.1	288.0
27.5°	149.9	167.5	185.2	199.7	210.9	222.6	235.9	250.8	265.2	281.1	300.7
25°	153.8	172.1	189.4	202.7	214.1	226.3	240.3	256.0	273.0	292.0	316.0
22.5°	157.4	176.3	193.4	205.3	216.8	229.6	244.6	261.3	279.7	301.8	331.0
20°	160.8	179.6	196.0	207.7	218.9	232.3	248.3	265.9	287.0	313.6	348.6
17.5°	163.8	182.3	197.8	209.7	221.3	235.0	251.5	269.8	293.5	324.1	365.5
15°	166.3	184.6	199.4	211.2	223.2	237.7	254.8	274.7	300.6	334.4	380.1
12.5°	168.4	186.4	200.8	212.3	224.8	239.8	257.5	279.4	307.8	345.6	399.8
10°	170.0	187.6	201.8	212.9	225.8	241.1	259.7	283.1	313.6	355.0	416.7
7.5°	171.6	188.8	202.5	213.2	226.4	241.8	261.2	285.7	317.8	362.1	430.1
5°	172.8	189.8	203.0	213.8	226.8	242.1	262.3	287.2	320.5	366.7	439.7
2.5°	173.5	190.5	203.0	214.3	226.8	242.2	263.5	288.0	323.4	370.6	445.1
0°	173.7	190.7	202.6	214.5	226.4	241.8	263.9	287.7	325.2	372.9	446.1
-2.5°	173.5	190.5	203.0	214.3	226.8	242.2	263.5	288.0	323.4	370.6	445.1
-5°	172.8	189.8	203.0	213.8	226.8	242.1	262.3	287.2	320.5	366.7	439.7
-7.5°	171.6	188.8	202.5	213.2	226.4	241.8	261.2	285.7	317.8	362.1	430.1
-10°	170.0	187.6	201.8	212.9	225.8	241.1	259.7	283.1	313.6	355.0	416.7
-12.5°	168.4	186.4	200.8	212.3	224.8	239.8	257.5	279.4	307.8	345.6	399.8
-15°	166.3	184.6	199.4	211.2	223.2	237.7	254.8	274.7	300.6	334.4	380.1
-17.5°	163.8	182.3	197.8	209.7	221.3	235.0	251.5	269.8	293.5	324.1	365.5
-20°	160.8	179.6	196.0	207.7	218.9	232.3	248.3	265.9	287.0	313.6	348.6

Classified

Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

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REPORT NUMBER: P626835 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA2B-727-U-MR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	157.4	176.3	193.4	205.3	216.8	229.6	244.6	261.3	279.7	301.8	331.0
-25°	153.8	172.1	189.4	202.7	214.1	226.3	240.3	256.0	273.0	292.0	316.0
-27.5°	149.9	167.5	185.2	199.7	210.9	222.6	235.9	250.8	265.2	281.1	300.7
-30°	145.8	162.9	181.0	195.8	207.2	218.7	231.1	243.3	256.5	271.1	288.0
-32.5°	141.5	158.1	175.9	190.9	203.0	214.2	224.8	235.8	247.7	260.8	275.1
-35°	137.1	153.1	170.1	186.1	198.3	208.8	218.3	228.0	238.5	250.4	262.9
-37.5°	132.6	147.7	163.8	180.4	193.1	202.7	211.6	220.6	229.9	239.6	251.0
-40°	127.7	141.7	157.3	173.2	187.2	196.5	205.1	213.1	221.4	230.4	239.6
-42.5°	122.5	135.9	150.3	165.5	179.2	189.9	198.5	206.1	213.2	221.2	229.6
-45°	117.1	129.7	142.9	157.2	170.7	182.3	191.2	199.1	205.3	212.0	219.5
-47.5°	111.6	123.3	135.7	148.7	161.8	173.6	183.4	190.8	197.2	203.1	209.1
-50°	105.6	116.9	127.9	140.0	152.6	164.6	174.8	182.0	188.2	194.0	199.4
-52.5°	99.1	110.3	120.2	130.9	142.8	154.7	164.8	172.6	178.8	184.4	190.0
-55°	92.2	102.7	112.2	121.7	132.1	143.6	153.7	161.8	169.2	174.6	180.4
-57.5°	85.0	94.5	103.4	112.4	121.5	131.3	141.2	150.1	157.4	163.8	169.9
-60°	77.6	86.0	94.1	102.4	110.8	119.3	128.3	137.1	144.8	151.5	157.1
-62.5°	70.0	77.5	84.7	91.9	99.4	107.1	114.9	123.1	131.6	137.7	143.0
-65°	62.1	68.8	75.3	81.7	87.8	94.8	101.5	108.1	115.2	121.8	127.5
-67.5°	54.0	60.0	65.8	71.5	77.0	82.7	88.4	94.2	99.9	105.3	110.5
-70°	46.4	51.2	56.2	61.2	66.1	70.8	75.6	80.4	85.3	90.0	94.6
-72.5°	38.8	42.9	47.0	50.9	55.2	59.4	63.3	66.8	70.8	75.2	79.2
-75°	31.7	34.7	38.0	41.3	44.7	48.2	51.6	54.8	58.0	61.3	64.5
-77.5°	24.8	27.5	30.0	32.2	34.6	37.5	40.3	43.0	45.5	48.0	50.3
-80°	18.2	20.3	22.4	24.3	26.3	28.1	29.9	31.7	33.3	35.1	36.9
-82.5°	12.0	13.6	15.1	16.6	18.0	19.4	20.7	22.0	23.3	24.4	25.6
-85°	6.3	6.8	7.8	8.8	9.7	10.7	11.6	12.4	13.2	14.0	14.8
-87.5°	3.1	3.4	3.7	3.9	4.1	4.4	4.6	4.8	5.0	5.2	5.4
-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: P626835 (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°	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.6	6.7
85°	15.5	16.1	16.7	17.3	17.8	18.0	18.0	18.0	17.9	18.1	18.3
82.5°	26.6	27.8	29.1	30.3	31.4	31.9	32.2	32.4	32.5	33.0	33.4
80°	38.7	40.6	42.3	43.9	45.3	46.3	47.2	48.0	48.8	49.1	49.3
77.5°	52.7	55.0	57.1	59.1	60.9	62.4	63.5	64.5	65.2	65.7	66.0
75°	67.7	70.6	73.2	75.6	77.8	79.3	80.4	81.2	81.7	82.3	82.7
72.5°	82.9	86.2	89.3	92.1	94.7	96.5	97.7	98.7	99.5	100.1	100.4
70°	98.9	102.9	106.3	109.2	111.4	113.1	114.5	115.6	116.4	117.0	117.3
67.5°	115.5	119.7	122.9	125.4	127.4	129.2	130.9	132.1	133.0	133.8	134.6
65°	132.3	136.6	139.9	142.5	144.7	147.0	149.2	150.8	151.8	152.8	153.7
62.5°	148.2	153.1	156.8	160.3	163.9	167.3	169.2	170.7	171.7	172.7	173.8
60°	162.6	168.2	172.8	177.0	181.3	185.7	187.5	188.9	190.2	191.4	192.6
57.5°	175.5	181.3	186.9	191.1	195.2	199.3	202.1	203.6	204.6	205.2	205.7
55°	186.6	192.4	198.0	202.8	207.3	211.5	214.6	216.1	217.2	217.9	218.4
52.5°	196.5	202.8	208.7	214.1	218.9	223.4	227.3	229.4	231.1	232.3	232.7
50°	206.3	213.1	219.5	225.2	230.9	236.3	241.3	244.2	246.2	247.5	247.9
47.5°	216.5	223.9	230.9	237.6	244.0	250.4	256.3	260.2	263.1	265.2	266.8
45°	227.2	235.1	242.9	250.7	258.1	266.3	273.8	279.5	283.7	287.4	290.3
42.5°	238.0	246.8	255.7	265.8	275.9	285.2	294.1	301.7	308.7	315.4	320.7
40°	249.6	259.3	271.4	283.4	295.9	306.8	319.7	331.3	341.9	353.4	363.0
37.5°	262.3	274.8	289.2	303.6	319.7	335.4	353.5	371.3	386.8	406.9	423.1
35°	276.2	292.0	309.0	328.3	349.1	373.8	399.1	428.7	453.9	485.9	515.4
32.5°	291.7	310.3	332.3	358.8	387.0	426.5	463.5	513.9	556.9	612.4	673.0
30°	307.4	331.4	361.3	395.6	443.2	499.3	564.7	649.8	741.8	836.9	965.1
27.5°	326.0	357.3	394.6	447.5	518.7	596.4	729.6	873.5	1073.8	1232.5	1515.0
25°	346.1	384.8	439.9	516.6	615.0	772.2	997.0	1257.4	1658.4	2015.0	2424.9
22.5°	369.9	422.4	495.4	595.9	767.4	1037.7	1388.7	1923.4	2517.8	3104.4	3640.6
20°	395.1	458.5	560.6	724.2	989.3	1380.2	2006.4	2770.4	3559.5	4363.5	5041.1
17.5°	424.5	510.6	645.1	862.4	1240.7	1909.8	2746.2	3717.7	4748.6	5774.6	6665.7
15°	449.7	556.1	737.3	1062.7	1626.8	2463.8	3491.8	4718.8	6015.2	7346.6	8789.7
12.5°	482.0	611.0	832.2	1228.4	1969.4	3057.3	4315.2	5739.7	7322.8	9090.7	11340.3
10°	511.6	668.6	957.1	1493.7	2381.2	3611.7	5026.4	6642.6	8696.0	11352.6	14066.1
7.5°	535.3	714.2	1054.0	1700.8	2726.6	4085.4	5666.7	7604.5	10166.3	13329.7	16430.1
5°	551.7	745.9	1123.3	1857.3	3004.4	4447.3	6121.2	8313.6	11405.6	14948.0	18113.8
2.5°	562.1	763.2	1157.3	1950.2	3185.6	4665.2	6404.7	8764.2	12165.2	15978.3	19183.5
0°	567.0	766.2	1135.6	1995.4	3211.1	4649.8	6430.7	8914.7	12345.4	16258.0	19450.3
-2.5°	562.1	763.2	1157.3	1950.2	3185.6	4665.2	6404.7	8764.2	12165.2	15978.3	19183.5
-5°	551.7	745.9	1123.3	1857.3	3004.4	4447.3	6121.2	8313.6	11405.6	14948.0	18113.8
-7.5°	535.3	714.2	1054.0	1700.8	2726.6	4085.4	5666.7	7604.5	10166.3	13329.7	16430.1
-10°	511.6	668.6	957.1	1493.7	2381.2	3611.7	5026.4	6642.6	8696.0	11352.6	14066.1
-12.5°	482.0	611.0	832.2	1228.4	1969.4	3057.3	4315.2	5739.7	7322.8	9090.7	11340.3
-15°	449.7	556.1	737.3	1062.7	1626.8	2463.8	3491.8	4718.8	6015.2	7346.6	8789.7
-17.5°	424.5	510.6	645.1	862.4	1240.7	1909.8	2746.2	3717.7	4748.6	5774.6	6665.7
-20°	395.1	458.5	560.6	724.2	989.3	1380.2	2006.4	2770.4	3559.5	4363.5	5041.1

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REPORT NUMBER: P626835 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA2B-727-U-MR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	369.9	422.4	495.4	595.9	767.4	1037.7	1388.7	1923.4	2517.8	3104.4	3640.6
-25°	346.1	384.8	439.9	516.6	615.0	772.2	997.0	1257.4	1658.4	2015.0	2424.9
-27.5°	326.0	357.3	394.6	447.5	518.7	596.4	729.6	873.5	1073.8	1232.5	1515.0
-30°	307.4	331.4	361.3	395.6	443.2	499.3	564.7	649.8	741.8	836.9	965.1
-32.5°	291.7	310.3	332.3	358.8	387.0	426.5	463.5	513.9	556.9	612.4	673.0
-35°	276.2	292.0	309.0	328.3	349.1	373.8	399.1	428.7	453.9	485.9	515.4
-37.5°	262.3	274.8	289.2	303.6	319.7	335.4	353.5	371.3	386.8	406.9	423.1
-40°	249.6	259.3	271.4	283.4	295.9	306.8	319.7	331.3	341.9	353.4	363.0
-42.5°	238.0	246.8	255.7	265.8	275.9	285.2	294.1	301.7	308.7	315.4	320.7
-45°	227.2	235.1	242.9	250.7	258.1	266.3	273.8	279.5	283.7	287.4	290.3
-47.5°	216.5	223.9	230.9	237.6	244.0	250.4	256.3	260.2	263.1	265.2	266.8
-50°	206.3	213.1	219.5	225.2	230.9	236.3	241.3	244.2	246.2	247.5	247.9
-52.5°	196.5	202.8	208.7	214.1	218.9	223.4	227.3	229.4	231.1	232.3	232.7
-55°	186.6	192.4	198.0	202.8	207.3	211.5	214.6	216.1	217.2	217.9	218.4
-57.5°	175.5	181.3	186.9	191.1	195.2	199.3	202.1	203.6	204.6	205.2	205.7
-60°	162.6	168.2	172.8	177.0	181.3	185.7	187.5	188.9	190.2	191.4	192.6
-62.5°	148.2	153.1	156.8	160.3	163.9	167.3	169.2	170.7	171.7	172.7	173.8
-65°	132.3	136.6	139.9	142.5	144.7	147.0	149.2	150.8	151.8	152.8	153.7
-67.5°	115.5	119.7	122.9	125.4	127.4	129.2	130.9	132.1	133.0	133.8	134.6
-70°	98.9	102.9	106.3	109.2	111.4	113.1	114.5	115.6	116.4	117.0	117.3
-72.5°	82.9	86.2	89.3	92.1	94.7	96.5	97.7	98.7	99.5	100.1	100.4
-75°	67.7	70.6	73.2	75.6	77.8	79.3	80.4	81.2	81.7	82.3	82.7
-77.5°	52.7	55.0	57.1	59.1	60.9	62.4	63.5	64.5	65.2	65.7	66.0
-80°	38.7	40.6	42.3	43.9	45.3	46.3	47.2	48.0	48.8	49.1	49.3
-82.5°	26.6	27.8	29.1	30.3	31.4	31.9	32.2	32.4	32.5	33.0	33.4
-85°	15.5	16.1	16.7	17.3	17.8	18.0	18.0	18.0	17.9	18.1	18.3
-87.5°	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.6	6.7
-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: P626835 (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°	6.7	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.5
85°	18.5	18.6	18.7	18.7	18.7	18.6	18.5	18.3	18.1	17.9	18.0
82.5°	33.7	33.9	34.1	34.1	34.1	33.9	33.7	33.4	33.0	32.5	32.4
80°	49.3	49.2	49.3	49.4	49.3	49.2	49.3	49.3	49.1	48.8	48.0
77.5°	66.1	66.1	66.3	66.4	66.3	66.1	66.1	66.0	65.7	65.2	64.5
75°	83.0	83.0	83.3	83.4	83.3	83.0	83.0	82.7	82.3	81.7	81.2
72.5°	100.4	100.1	100.4	100.5	100.4	100.1	100.4	100.4	100.1	99.5	98.7
70°	117.3	117.1	118.2	119.2	118.2	117.1	117.3	117.3	117.0	116.4	115.6
67.5°	135.3	135.6	136.8	137.9	136.8	135.6	135.3	134.6	133.8	133.0	132.1
65°	154.3	154.3	155.5	156.6	155.5	154.3	154.3	153.7	152.8	151.8	150.8
62.5°	174.5	174.7	175.9	177.1	175.9	174.7	174.5	173.8	172.7	171.7	170.7
60°	193.2	193.4	193.9	194.1	193.9	193.4	193.2	192.6	191.4	190.2	188.9
57.5°	205.8	205.7	205.8	206.0	205.8	205.7	205.8	205.7	205.2	204.6	203.6
55°	218.3	217.7	217.1	216.2	217.1	217.7	218.3	218.4	217.9	217.2	216.1
52.5°	232.4	231.5	230.7	229.8	230.7	231.5	232.4	232.7	232.3	231.1	229.4
50°	247.6	246.8	246.0	245.2	246.0	246.8	247.6	247.9	247.5	246.2	244.2
47.5°	267.8	268.2	268.0	267.3	268.0	268.2	267.8	266.8	265.2	263.1	260.2
45°	292.4	293.3	293.4	292.8	293.4	293.3	292.4	290.3	287.4	283.7	279.5
42.5°	324.4	326.6	327.8	328.6	327.8	326.6	324.4	320.7	315.4	308.7	301.7
40°	369.9	374.3	377.1	379.7	377.1	374.3	369.9	363.0	353.4	341.9	331.3
37.5°	435.0	443.0	446.6	444.4	446.6	443.0	435.0	423.1	406.9	386.8	371.3
35°	538.2	553.4	561.2	561.9	561.2	553.4	538.2	515.4	485.9	453.9	428.7
32.5°	717.8	748.8	765.5	767.9	765.5	748.8	717.8	673.0	612.4	556.9	513.9
30°	1063.2	1126.5	1156.3	1149.2	1156.3	1126.5	1063.2	965.1	836.9	741.8	649.8
27.5°	1734.6	1892.6	1986.3	1963.6	1986.3	1892.6	1734.6	1515.0	1232.5	1073.8	873.5
25°	2787.9	3057.7	3230.4	3233.2	3230.4	3057.7	2787.9	2424.9	2015.0	1658.4	1257.4
22.5°	4136.4	4504.7	4706.4	4741.7	4706.4	4504.7	4136.4	3640.6	3104.4	2517.8	1923.4
20°	5698.8	6188.6	6450.8	6451.1	6450.8	6188.6	5698.8	5041.1	4363.5	3559.5	2770.4
17.5°	7622.9	8418.4	8917.7	9132.7	8917.7	8418.4	7622.9	6665.7	5774.6	4748.6	3717.7
15°	10179.1	11515.8	12316.8	12461.2	12316.8	11515.8	10179.1	8789.7	7346.6	6015.2	4718.8
12.5°	13291.6	14983.3	16120.4	16537.2	16120.4	14983.3	13291.6	11340.3	9090.7	7322.8	5739.7
10°	16541.3	18108.7	19326.9	19736.4	19326.9	18108.7	16541.3	14066.1	11352.6	8696.0	6642.6
7.5°	18888.9	20758.0	22130.3	22732.9	22130.3	20758.0	18888.9	16430.1	13329.7	10166.3	7604.5
5°	20742.2	22953.8	24231.2	24798.1	24231.2	22953.8	20742.2	18113.8	14948.0	11405.6	8313.6
2.5°	21958.1	24143.4	25496.1	26018.9	25496.1	24143.4	21958.1	19183.5	15978.3	12165.2	8764.2
0°	22412.8	24549.6	25886.1	26524.6	25886.1	24549.6	22412.8	19450.3	16258.0	12345.4	8914.7
-2.5°	21958.1	24143.4	25496.1	26018.9	25496.1	24143.4	21958.1	19183.5	15978.3	12165.2	8764.2
-5°	20742.2	22953.8	24231.2	24798.1	24231.2	22953.8	20742.2	18113.8	14948.0	11405.6	8313.6
-7.5°	18888.9	20758.0	22130.3	22732.9	22130.3	20758.0	18888.9	16430.1	13329.7	10166.3	7604.5
-10°	16541.3	18108.7	19326.9	19736.4	19326.9	18108.7	16541.3	14066.1	11352.6	8696.0	6642.6
-12.5°	13291.6	14983.3	16120.4	16537.2	16120.4	14983.3	13291.6	11340.3	9090.7	7322.8	5739.7
-15°	10179.1	11515.8	12316.8	12461.2	12316.8	11515.8	10179.1	8789.7	7346.6	6015.2	4718.8
-17.5°	7622.9	8418.4	8917.7	9132.7	8917.7	8418.4	7622.9	6665.7	5774.6	4748.6	3717.7
-20°	5698.8	6188.6	6450.8	6451.1	6450.8	6188.6	5698.8	5041.1	4363.5	3559.5	2770.4

Classified

Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P626835 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA2B-727-U-MR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4136.4	4504.7	4706.4	4741.7	4706.4	4504.7	4136.4	3640.6	3104.4	2517.8	1923.4
-25°	2787.9	3057.7	3230.4	3233.2	3230.4	3057.7	2787.9	2424.9	2015.0	1658.4	1257.4
-27.5°	1734.6	1892.6	1986.3	1963.6	1986.3	1892.6	1734.6	1515.0	1232.5	1073.8	873.5
-30°	1063.2	1126.5	1156.3	1149.2	1156.3	1126.5	1063.2	965.1	836.9	741.8	649.8
-32.5°	717.8	748.8	765.5	767.9	765.5	748.8	717.8	673.0	612.4	556.9	513.9
-35°	538.2	553.4	561.2	561.9	561.2	553.4	538.2	515.4	485.9	453.9	428.7
-37.5°	435.0	443.0	446.6	444.4	446.6	443.0	435.0	423.1	406.9	386.8	371.3
-40°	369.9	374.3	377.1	379.7	377.1	374.3	369.9	363.0	353.4	341.9	331.3
-42.5°	324.4	326.6	327.8	328.6	327.8	326.6	324.4	320.7	315.4	308.7	301.7
-45°	292.4	293.3	293.4	292.8	293.4	293.3	292.4	290.3	287.4	283.7	279.5
-47.5°	267.8	268.2	268.0	267.3	268.0	268.2	267.8	266.8	265.2	263.1	260.2
-50°	247.6	246.8	246.0	245.2	246.0	246.8	247.6	247.9	247.5	246.2	244.2
-52.5°	232.4	231.5	230.7	229.8	230.7	231.5	232.4	232.7	232.3	231.1	229.4
-55°	218.3	217.7	217.1	216.2	217.1	217.7	218.3	218.4	217.9	217.2	216.1
-57.5°	205.8	205.7	205.8	206.0	205.8	205.7	205.8	205.7	205.2	204.6	203.6
-60°	193.2	193.4	193.9	194.1	193.9	193.4	193.2	192.6	191.4	190.2	188.9
-62.5°	174.5	174.7	175.9	177.1	175.9	174.7	174.5	173.8	172.7	171.7	170.7
-65°	154.3	154.3	155.5	156.6	155.5	154.3	154.3	153.7	152.8	151.8	150.8
-67.5°	135.3	135.6	136.8	137.9	136.8	135.6	135.3	134.6	133.8	133.0	132.1
-70°	117.3	117.1	118.2	119.2	118.2	117.1	117.3	117.3	117.0	116.4	115.6
-72.5°	100.4	100.1	100.4	100.5	100.4	100.1	100.4	100.4	100.1	99.5	98.7
-75°	83.0	83.0	83.3	83.4	83.3	83.0	83.0	82.7	82.3	81.7	81.2
-77.5°	66.1	66.1	66.3	66.4	66.3	66.1	66.1	66.0	65.7	65.2	64.5
-80°	49.3	49.2	49.3	49.4	49.3	49.2	49.3	49.3	49.1	48.8	48.0
-82.5°	33.7	33.9	34.1	34.1	34.1	33.9	33.7	33.4	33.0	32.5	32.4
-85°	18.5	18.6	18.7	18.7	18.7	18.6	18.5	18.3	18.1	17.9	18.0
-87.5°	6.7	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.5
-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: P626835 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	6.4	6.3	6.2	6.0	5.9	5.7	5.6	5.4	5.2	5.0	4.8
85°	18.0	18.0	17.8	17.3	16.7	16.1	15.5	14.8	14.0	13.2	12.4
82.5°	32.2	31.9	31.4	30.3	29.1	27.8	26.6	25.6	24.4	23.3	22.0
80°	47.2	46.3	45.3	43.9	42.3	40.6	38.7	36.9	35.1	33.3	31.7
77.5°	63.5	62.4	60.9	59.1	57.1	55.0	52.7	50.3	48.0	45.5	43.0
75°	80.4	79.3	77.8	75.6	73.2	70.6	67.7	64.5	61.3	58.0	54.8
72.5°	97.7	96.5	94.7	92.1	89.3	86.2	82.9	79.2	75.2	70.8	66.8
70°	114.5	113.1	111.4	109.2	106.3	102.9	98.9	94.6	90.0	85.3	80.4
67.5°	130.9	129.2	127.4	125.4	122.9	119.7	115.5	110.5	105.3	99.9	94.2
65°	149.2	147.0	144.7	142.5	139.9	136.6	132.3	127.5	121.8	115.2	108.1
62.5°	169.2	167.3	163.9	160.3	156.8	153.1	148.2	143.0	137.7	131.6	123.1
60°	187.5	185.7	181.3	177.0	172.8	168.2	162.6	157.1	151.5	144.8	137.1
57.5°	202.1	199.3	195.2	191.1	186.9	181.3	175.5	169.9	163.8	157.4	150.1
55°	214.6	211.5	207.3	202.8	198.0	192.4	186.6	180.4	174.6	169.2	161.8
52.5°	227.3	223.4	218.9	214.1	208.7	202.8	196.5	190.0	184.4	178.8	172.6
50°	241.3	236.3	230.9	225.2	219.5	213.1	206.3	199.4	194.0	188.2	182.0
47.5°	256.3	250.4	244.0	237.6	230.9	223.9	216.5	209.1	203.1	197.2	190.8
45°	273.8	266.3	258.1	250.7	242.9	235.1	227.2	219.5	212.0	205.3	199.1
42.5°	294.1	285.2	275.9	265.8	255.7	246.8	238.0	229.6	221.2	213.2	206.1
40°	319.7	306.8	295.9	283.4	271.4	259.3	249.6	239.6	230.4	221.4	213.1
37.5°	353.5	335.4	319.7	303.6	289.2	274.8	262.3	251.0	239.6	229.9	220.6
35°	399.1	373.8	349.1	328.3	309.0	292.0	276.2	262.9	250.4	238.5	228.0
32.5°	463.5	426.5	387.0	358.8	332.3	310.3	291.7	275.1	260.8	247.7	235.8
30°	564.7	499.3	443.2	395.6	361.3	331.4	307.4	288.0	271.1	256.5	243.3
27.5°	729.6	596.4	518.7	447.5	394.6	357.3	326.0	300.7	281.1	265.2	250.8
25°	997.0	772.2	615.0	516.6	439.9	384.8	346.1	316.0	292.0	273.0	256.0
22.5°	1388.7	1037.7	767.4	595.9	495.4	422.4	369.9	331.0	301.8	279.7	261.3
20°	2006.4	1380.2	989.3	724.2	560.6	458.5	395.1	348.6	313.6	287.0	265.9
17.5°	2746.2	1909.8	1240.7	862.4	645.1	510.6	424.5	365.5	324.1	293.5	269.8
15°	3491.8	2463.8	1626.8	1062.7	737.3	556.1	449.7	380.1	334.4	300.6	274.7
12.5°	4315.2	3057.3	1969.4	1228.4	832.2	611.0	482.0	399.8	345.6	307.8	279.4
10°	5026.4	3611.7	2381.2	1493.7	957.1	668.6	511.6	416.7	355.0	313.6	283.1
7.5°	5666.7	4085.4	2726.6	1700.8	1054.0	714.2	535.3	430.1	362.1	317.8	285.7
5°	6121.2	4447.3	3004.4	1857.3	1123.3	745.9	551.7	439.7	366.7	320.5	287.2
2.5°	6404.7	4665.2	3185.6	1950.2	1157.3	763.2	562.1	445.1	370.6	323.4	288.0
0°	6430.7	4649.8	3211.1	1995.4	1135.6	766.2	567.0	446.1	372.9	325.2	287.7
-2.5°	6404.7	4665.2	3185.6	1950.2	1157.3	763.2	562.1	445.1	370.6	323.4	288.0
-5°	6121.2	4447.3	3004.4	1857.3	1123.3	745.9	551.7	439.7	366.7	320.5	287.2
-7.5°	5666.7	4085.4	2726.6	1700.8	1054.0	714.2	535.3	430.1	362.1	317.8	285.7
-10°	5026.4	3611.7	2381.2	1493.7	957.1	668.6	511.6	416.7	355.0	313.6	283.1
-12.5°	4315.2	3057.3	1969.4	1228.4	832.2	611.0	482.0	399.8	345.6	307.8	279.4
-15°	3491.8	2463.8	1626.8	1062.7	737.3	556.1	449.7	380.1	334.4	300.6	274.7
-17.5°	2746.2	1909.8	1240.7	862.4	645.1	510.6	424.5	365.5	324.1	293.5	269.8
-20°	2006.4	1380.2	989.3	724.2	560.6	458.5	395.1	348.6	313.6	287.0	265.9



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REPORT NUMBER: P626835 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1388.7	1037.7	767.4	595.9	495.4	422.4	369.9	331.0	301.8	279.7	261.3
-25°	997.0	772.2	615.0	516.6	439.9	384.8	346.1	316.0	292.0	273.0	256.0
-27.5°	729.6	596.4	518.7	447.5	394.6	357.3	326.0	300.7	281.1	265.2	250.8
-30°	564.7	499.3	443.2	395.6	361.3	331.4	307.4	288.0	271.1	256.5	243.3
-32.5°	463.5	426.5	387.0	358.8	332.3	310.3	291.7	275.1	260.8	247.7	235.8
-35°	399.1	373.8	349.1	328.3	309.0	292.0	276.2	262.9	250.4	238.5	228.0
-37.5°	353.5	335.4	319.7	303.6	289.2	274.8	262.3	251.0	239.6	229.9	220.6
-40°	319.7	306.8	295.9	283.4	271.4	259.3	249.6	239.6	230.4	221.4	213.1
-42.5°	294.1	285.2	275.9	265.8	255.7	246.8	238.0	229.6	221.2	213.2	206.1
-45°	273.8	266.3	258.1	250.7	242.9	235.1	227.2	219.5	212.0	205.3	199.1
-47.5°	256.3	250.4	244.0	237.6	230.9	223.9	216.5	209.1	203.1	197.2	190.8
-50°	241.3	236.3	230.9	225.2	219.5	213.1	206.3	199.4	194.0	188.2	182.0
-52.5°	227.3	223.4	218.9	214.1	208.7	202.8	196.5	190.0	184.4	178.8	172.6
-55°	214.6	211.5	207.3	202.8	198.0	192.4	186.6	180.4	174.6	169.2	161.8
-57.5°	202.1	199.3	195.2	191.1	186.9	181.3	175.5	169.9	163.8	157.4	150.1
-60°	187.5	185.7	181.3	177.0	172.8	168.2	162.6	157.1	151.5	144.8	137.1
-62.5°	169.2	167.3	163.9	160.3	156.8	153.1	148.2	143.0	137.7	131.6	123.1
-65°	149.2	147.0	144.7	142.5	139.9	136.6	132.3	127.5	121.8	115.2	108.1
-67.5°	130.9	129.2	127.4	125.4	122.9	119.7	115.5	110.5	105.3	99.9	94.2
-70°	114.5	113.1	111.4	109.2	106.3	102.9	98.9	94.6	90.0	85.3	80.4
-72.5°	97.7	96.5	94.7	92.1	89.3	86.2	82.9	79.2	75.2	70.8	66.8
-75°	80.4	79.3	77.8	75.6	73.2	70.6	67.7	64.5	61.3	58.0	54.8
-77.5°	63.5	62.4	60.9	59.1	57.1	55.0	52.7	50.3	48.0	45.5	43.0
-80°	47.2	46.3	45.3	43.9	42.3	40.6	38.7	36.9	35.1	33.3	31.7
-82.5°	32.2	31.9	31.4	30.3	29.1	27.8	26.6	25.6	24.4	23.3	22.0
-85°	18.0	18.0	17.8	17.3	16.7	16.1	15.5	14.8	14.0	13.2	12.4
-87.5°	6.4	6.3	6.2	6.0	5.9	5.7	5.6	5.4	5.2	5.0	4.8
-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):**

	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°	4.6	4.4	4.1	3.9	3.7	3.4	3.1	2.9	2.6	2.3	2.0
85°	11.6	10.7	9.7	8.8	7.8	6.8	6.3	5.7	5.2	4.6	4.1
82.5°	20.7	19.4	18.0	16.6	15.1	13.6	12.0	10.4	8.7	7.1	6.1
80°	29.9	28.1	26.3	24.3	22.4	20.3	18.2	16.1	13.7	11.4	9.2
77.5°	40.3	37.5	34.6	32.2	30.0	27.5	24.8	21.8	18.6	15.6	12.8
75°	51.6	48.2	44.7	41.3	38.0	34.7	31.7	28.2	24.1	19.9	16.4
72.5°	63.3	59.4	55.2	50.9	47.0	42.9	38.8	34.4	29.7	25.0	20.2
70°	75.6	70.8	66.1	61.2	56.2	51.2	46.4	41.1	35.3	29.9	24.5
67.5°	88.4	82.7	77.0	71.5	65.8	60.0	54.0	47.8	41.4	34.9	28.8
65°	101.5	94.8	87.8	81.7	75.3	68.8	62.1	54.6	47.3	40.2	33.0
62.5°	114.9	107.1	99.4	91.9	84.7	77.5	70.0	61.5	53.3	45.4	37.5
60°	128.3	119.3	110.8	102.4	94.1	86.0	77.6	68.3	59.2	50.5	41.9
57.5°	141.2	131.3	121.5	112.4	103.4	94.5	85.0	75.0	65.0	55.5	46.3
55°	153.7	143.6	132.1	121.7	112.2	102.7	92.2	81.5	70.7	60.4	50.6
52.5°	164.8	154.7	142.8	130.9	120.2	110.3	99.1	87.9	76.5	65.2	54.7
50°	174.8	164.6	152.6	140.0	127.9	116.9	105.6	93.8	82.0	69.8	58.6
47.5°	183.4	173.6	161.8	148.7	135.7	123.3	111.6	99.5	87.3	74.5	62.5
45°	191.2	182.3	170.7	157.2	142.9	129.7	117.1	104.8	92.1	79.1	66.2
42.5°	198.5	189.9	179.2	165.5	150.3	135.9	122.5	109.6	96.6	83.5	69.8
40°	205.1	196.5	187.2	173.2	157.3	141.7	127.7	114.2	100.8	87.5	73.4
37.5°	211.6	202.7	193.1	180.4	163.8	147.7	132.6	118.5	104.8	91.0	76.8
35°	218.3	208.8	198.3	186.1	170.1	153.1	137.1	122.6	108.6	94.4	79.9
32.5°	224.8	214.2	203.0	190.9	175.9	158.1	141.5	126.6	112.1	97.5	82.8
30°	231.1	218.7	207.2	195.8	181.0	162.9	145.8	130.3	115.4	100.5	85.4
27.5°	235.9	222.6	210.9	199.7	185.2	167.5	149.9	133.6	118.4	103.1	87.7
25°	240.3	226.3	214.1	202.7	189.4	172.1	153.8	136.7	121.2	105.6	89.9
22.5°	244.6	229.6	216.8	205.3	193.4	176.3	157.4	139.8	123.7	107.8	91.8
20°	248.3	232.3	218.9	207.7	196.0	179.6	160.8	142.6	125.9	109.7	93.5
17.5°	251.5	235.0	221.3	209.7	197.8	182.3	163.8	145.0	127.8	111.4	94.9
15°	254.8	237.7	223.2	211.2	199.4	184.6	166.3	147.1	129.4	112.8	96.3
12.5°	257.5	239.8	224.8	212.3	200.8	186.4	168.4	148.7	130.7	114.1	97.6
10°	259.7	241.1	225.8	212.9	201.8	187.6	170.0	150.3	132.3	115.3	98.6
7.5°	261.2	241.8	226.4	213.2	202.5	188.8	171.6	152.0	133.7	116.3	99.4
5°	262.3	242.1	226.8	213.8	203.0	189.8	172.8	153.3	134.8	117.0	100.0
2.5°	263.5	242.2	226.8	214.3	203.0	190.5	173.5	154.3	135.7	117.4	100.4
0°	263.9	241.8	226.4	214.5	202.6	190.7	173.7	154.9	136.2	117.5	100.5
-2.5°	263.5	242.2	226.8	214.3	203.0	190.5	173.5	154.3	135.7	117.4	100.4
-5°	262.3	242.1	226.8	213.8	203.0	189.8	172.8	153.3	134.8	117.0	100.0
-7.5°	261.2	241.8	226.4	213.2	202.5	188.8	171.6	152.0	133.7	116.3	99.4
-10°	259.7	241.1	225.8	212.9	201.8	187.6	170.0	150.3	132.3	115.3	98.6
-12.5°	257.5	239.8	224.8	212.3	200.8	186.4	168.4	148.7	130.7	114.1	97.6
-15°	254.8	237.7	223.2	211.2	199.4	184.6	166.3	147.1	129.4	112.8	96.3
-17.5°	251.5	235.0	221.3	209.7	197.8	182.3	163.8	145.0	127.8	111.4	94.9
-20°	248.3	232.3	218.9	207.7	196.0	179.6	160.8	142.6	125.9	109.7	93.5

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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°	244.6	229.6	216.8	205.3	193.4	176.3	157.4	139.8	123.7	107.8	91.8
-25°	240.3	226.3	214.1	202.7	189.4	172.1	153.8	136.7	121.2	105.6	89.9
-27.5°	235.9	222.6	210.9	199.7	185.2	167.5	149.9	133.6	118.4	103.1	87.7
-30°	231.1	218.7	207.2	195.8	181.0	162.9	145.8	130.3	115.4	100.5	85.4
-32.5°	224.8	214.2	203.0	190.9	175.9	158.1	141.5	126.6	112.1	97.5	82.8
-35°	218.3	208.8	198.3	186.1	170.1	153.1	137.1	122.6	108.6	94.4	79.9
-37.5°	211.6	202.7	193.1	180.4	163.8	147.7	132.6	118.5	104.8	91.0	76.8
-40°	205.1	196.5	187.2	173.2	157.3	141.7	127.7	114.2	100.8	87.5	73.4
-42.5°	198.5	189.9	179.2	165.5	150.3	135.9	122.5	109.6	96.6	83.5	69.8
-45°	191.2	182.3	170.7	157.2	142.9	129.7	117.1	104.8	92.1	79.1	66.2
-47.5°	183.4	173.6	161.8	148.7	135.7	123.3	111.6	99.5	87.3	74.5	62.5
-50°	174.8	164.6	152.6	140.0	127.9	116.9	105.6	93.8	82.0	69.8	58.6
-52.5°	164.8	154.7	142.8	130.9	120.2	110.3	99.1	87.9	76.5	65.2	54.7
-55°	153.7	143.6	132.1	121.7	112.2	102.7	92.2	81.5	70.7	60.4	50.6
-57.5°	141.2	131.3	121.5	112.4	103.4	94.5	85.0	75.0	65.0	55.5	46.3
-60°	128.3	119.3	110.8	102.4	94.1	86.0	77.6	68.3	59.2	50.5	41.9
-62.5°	114.9	107.1	99.4	91.9	84.7	77.5	70.0	61.5	53.3	45.4	37.5
-65°	101.5	94.8	87.8	81.7	75.3	68.8	62.1	54.6	47.3	40.2	33.0
-67.5°	88.4	82.7	77.0	71.5	65.8	60.0	54.0	47.8	41.4	34.9	28.8
-70°	75.6	70.8	66.1	61.2	56.2	51.2	46.4	41.1	35.3	29.9	24.5
-72.5°	63.3	59.4	55.2	50.9	47.0	42.9	38.8	34.4	29.7	25.0	20.2
-75°	51.6	48.2	44.7	41.3	38.0	34.7	31.7	28.2	24.1	19.9	16.4
-77.5°	40.3	37.5	34.6	32.2	30.0	27.5	24.8	21.8	18.6	15.6	12.8
-80°	29.9	28.1	26.3	24.3	22.4	20.3	18.2	16.1	13.7	11.4	9.2
-82.5°	20.7	19.4	18.0	16.6	15.1	13.6	12.0	10.4	8.7	7.1	6.1
-85°	11.6	10.7	9.7	8.8	7.8	6.8	6.3	5.7	5.2	4.6	4.1
-87.5°	4.6	4.4	4.1	3.9	3.7	3.4	3.1	2.9	2.6	2.3	2.0
-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):**

	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°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
85°	3.5	2.9	2.4	1.8	1.2	0.6	0.0
82.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
80°	7.2	5.9	4.7	3.5	2.4	1.2	0.0
77.5°	10.2	7.7	5.9	4.4	2.9	1.5	0.0
75°	13.2	10.2	7.2	5.3	3.5	1.8	0.0
72.5°	16.1	12.7	9.1	6.1	4.1	2.0	0.0
70°	19.2	15.1	11.1	7.1	4.6	2.3	0.0
67.5°	22.9	17.5	13.0	8.5	5.2	2.6	0.0
65°	26.6	20.2	14.9	10.0	5.7	2.9	0.0
62.5°	30.2	23.2	16.8	11.3	6.3	3.1	0.0
60°	33.7	26.2	18.6	12.7	6.8	3.4	0.0
57.5°	37.4	29.0	20.9	14.0	7.7	3.7	0.0
55°	41.0	31.8	23.1	15.3	8.5	3.9	0.0
52.5°	44.4	34.6	25.3	16.6	9.4	4.1	0.0
50°	47.7	37.3	27.4	17.8	10.2	4.4	0.0
47.5°	50.9	39.9	29.4	19.1	11.0	4.6	0.0
45°	54.1	42.4	31.3	20.5	11.7	4.8	0.0
42.5°	57.1	44.8	33.2	21.9	12.4	5.0	0.0
40°	60.0	47.0	35.0	23.2	13.1	5.2	0.0
37.5°	62.7	49.1	36.7	24.5	13.8	5.4	0.0
35°	65.3	51.2	38.3	25.6	14.4	5.6	0.0
32.5°	67.7	53.2	39.8	26.7	15.0	5.7	0.0
30°	70.0	55.1	41.1	27.6	15.5	5.9	0.0
27.5°	72.1	56.8	42.4	28.5	16.0	6.0	0.0
25°	74.0	58.4	43.5	29.3	16.5	6.2	0.0
22.5°	75.7	59.8	44.6	30.0	16.9	6.3	0.0
20°	77.2	61.0	45.5	30.6	17.3	6.4	0.0
17.5°	78.5	62.1	46.4	31.1	17.6	6.5	0.0
15°	79.8	63.0	47.2	31.5	17.9	6.6	0.0
12.5°	80.8	63.7	47.8	31.9	18.1	6.6	0.0
10°	81.7	64.2	48.4	32.1	18.3	6.7	0.0
7.5°	82.5	64.6	48.8	32.3	18.5	6.7	0.0
5°	83.0	64.8	49.1	32.4	18.6	6.8	0.0
2.5°	83.3	64.8	49.3	32.4	18.7	6.8	0.0
0°	83.4	64.7	49.4	32.3	18.7	6.8	0.0
-2.5°	83.3	64.8	49.3	32.4	18.7	6.8	0.0
-5°	83.0	64.8	49.1	32.4	18.6	6.8	0.0
-7.5°	82.5	64.6	48.8	32.3	18.5	6.7	0.0
-10°	81.7	64.2	48.4	32.1	18.3	6.7	0.0
-12.5°	80.8	63.7	47.8	31.9	18.1	6.6	0.0
-15°	79.8	63.0	47.2	31.5	17.9	6.6	0.0
-17.5°	78.5	62.1	46.4	31.1	17.6	6.5	0.0
-20°	77.2	61.0	45.5	30.6	17.3	6.4	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	75.7	59.8	44.6	30.0	16.9	6.3	0.0
-25°	74.0	58.4	43.5	29.3	16.5	6.2	0.0
-27.5°	72.1	56.8	42.4	28.5	16.0	6.0	0.0
-30°	70.0	55.1	41.1	27.6	15.5	5.9	0.0
-32.5°	67.7	53.2	39.8	26.7	15.0	5.7	0.0
-35°	65.3	51.2	38.3	25.6	14.4	5.6	0.0
-37.5°	62.7	49.1	36.7	24.5	13.8	5.4	0.0
-40°	60.0	47.0	35.0	23.2	13.1	5.2	0.0
-42.5°	57.1	44.8	33.2	21.9	12.4	5.0	0.0
-45°	54.1	42.4	31.3	20.5	11.7	4.8	0.0
-47.5°	50.9	39.9	29.4	19.1	11.0	4.6	0.0
-50°	47.7	37.3	27.4	17.8	10.2	4.4	0.0
-52.5°	44.4	34.6	25.3	16.6	9.4	4.1	0.0
-55°	41.0	31.8	23.1	15.3	8.5	3.9	0.0
-57.5°	37.4	29.0	20.9	14.0	7.7	3.7	0.0
-60°	33.7	26.2	18.6	12.7	6.8	3.4	0.0
-62.5°	30.2	23.2	16.8	11.3	6.3	3.1	0.0
-65°	26.6	20.2	14.9	10.0	5.7	2.9	0.0
-67.5°	22.9	17.5	13.0	8.5	5.2	2.6	0.0
-70°	19.2	15.1	11.1	7.1	4.6	2.3	0.0
-72.5°	16.1	12.7	9.1	6.1	4.1	2.0	0.0
-75°	13.2	10.2	7.2	5.3	3.5	1.8	0.0
-77.5°	10.2	7.7	5.9	4.4	2.9	1.5	0.0
-80°	7.2	5.9	4.7	3.5	2.4	1.2	0.0
-82.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
-85°	3.5	2.9	2.4	1.8	1.2	0.6	0.0
-87.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)