

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: P626899 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2C-727-U-NR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P626899 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA2C-727-U-NR-XX  
Description: GALLEON FLOOD, TWO LIGHT SQUARE, NARROW SYMMETRICAL ROUND N38  
Light Source: (32) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10468 lumens  
Efficiency: N/A  
Efficacy: 86.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')

NEMA Type: 3H x 3V  
Max Intensity: 98582.7 candela  
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 13.7°H x 13.6°V  
Beam Lumens: 3094.9 lumens  
Beam Efficiency: 29.6%

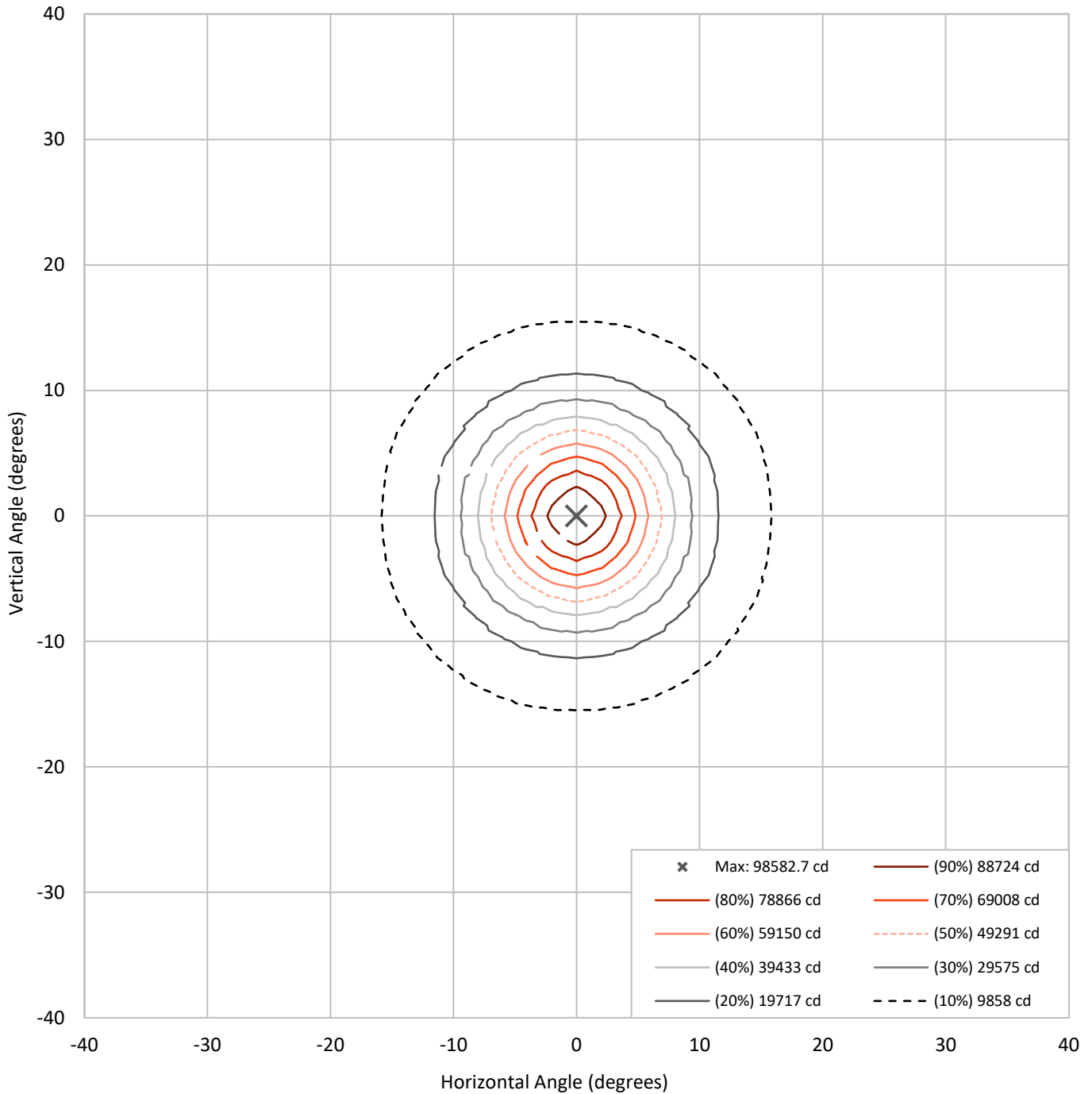
Field Angle (10%): 31.6°H x 30.6°V  
Field Lumens: 6964.9 lumens  
Field Efficiency: 66.5%

Input Watts (W): 121.7  
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





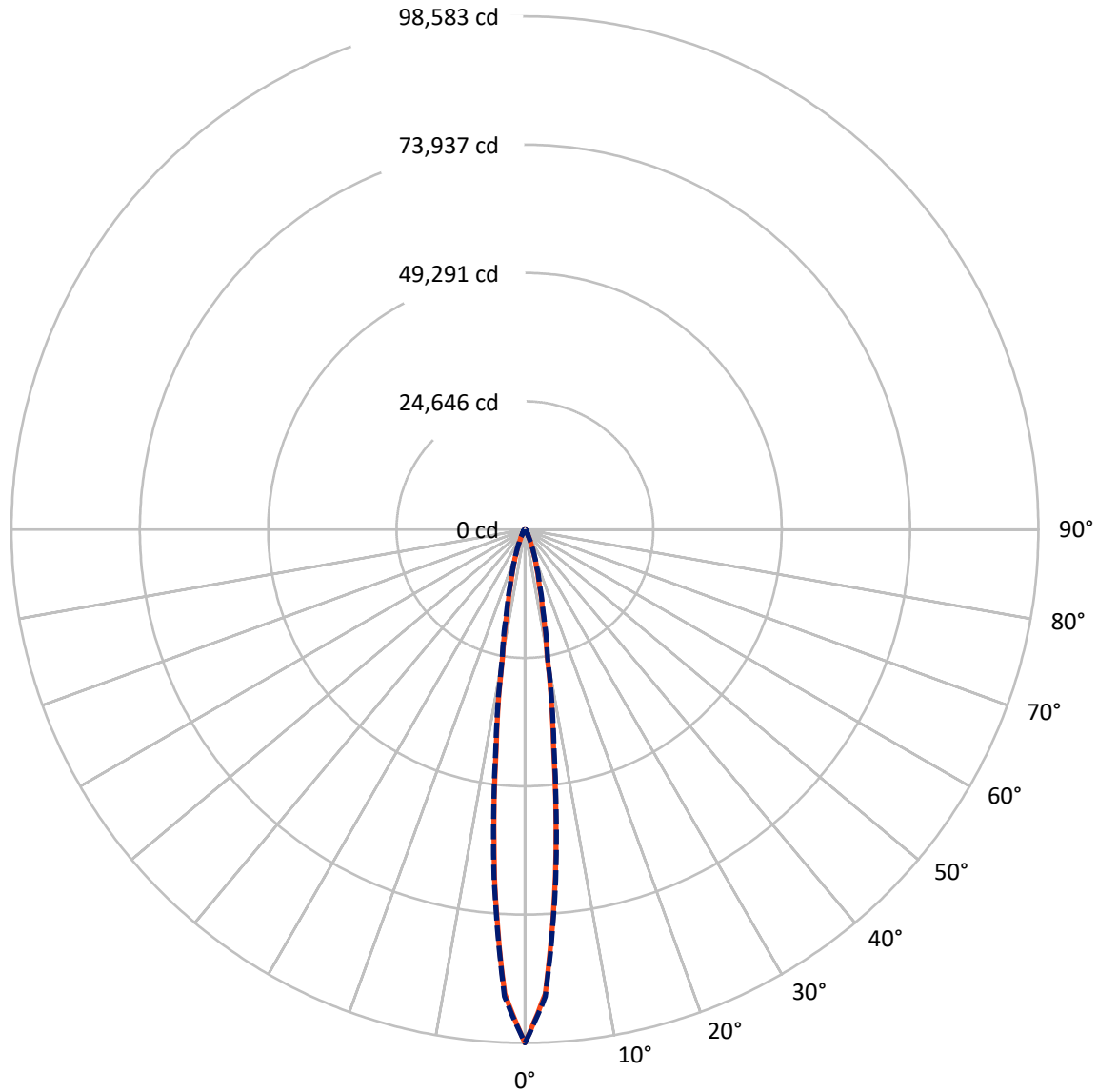
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### Lumen Table

90	0.2	1.4	3.8	6.1	6.7	6.1	3.8	1.4	0.2							
80	0.2	1.4	3.8	6.1	6.7	6.1	3.8	1.4	0.2							
70	0.7	0.7	1.5	2.5	3.5	4.3	4.8	5.0	5.0	4.8	4.3	3.5	2.5	1.5	0.7	0.7
60		1.1	2.3	3.7	4.9	6.0	6.8	7.0	7.0	6.8	6.0	4.9	3.7	2.3	1.1	
50	1.1	1.5	2.9	4.5	6.0	7.6	9.0	9.7	9.7	9.0	7.6	6.0	4.5	2.9	1.5	1.1
40		1.8	3.5	5.2	7.4	10.7	15.1	18.7	18.7	15.1	10.7	7.4	5.2	3.5	1.8	
30	1.5	2.0	3.8	5.9	9.6	19.1	43.6	72.1	72.1	43.6	19.1	9.6	5.9	3.8	2.0	1.5
20		2.1	4.0	6.5	12.8	40.6	144.2	310.6	310.6	144.2	40.6	12.8	6.5	4.0	2.1	
10	1.6	2.2	4.1	6.9	15.5	66.9	313.5	1354.3	1354.3	313.5	66.9	15.5	6.9	4.1	2.2	1.6
0		2.2	4.1	6.9	15.5	66.9	313.5	1354.3	1354.3	313.5	66.9	15.5	6.9	4.1	2.2	
-10	1.5	2.1	4.0	6.5	12.8	40.6	144.2	310.6	310.6	144.2	40.6	12.8	6.5	4.0	2.1	1.5
-20		2.0	3.8	5.9	9.6	19.1	43.6	72.1	72.1	43.6	19.1	9.6	5.9	3.8	2.0	
-30	1.1	1.8	3.5	5.2	7.4	10.7	15.1	18.7	18.7	15.1	10.7	7.4	5.2	3.5	1.8	1.1
-40		1.5	2.9	4.5	6.0	7.6	9.0	9.7	9.7	9.0	7.6	6.0	4.5	2.9	1.5	
-50	0.7	1.1	2.3	3.7	4.9	6.0	6.8	7.0	7.0	6.8	6.0	4.9	3.7	2.3	1.1	0.7
-60		0.7	1.5	2.5	3.5	4.3	4.8	5.0	5.0	4.8	4.3	3.5	2.5	1.5	0.7	
-70	0.2	1.4	3.8	6.1	6.7	6.1	3.8	1.4	0.2							
-80		0.2	1.4	3.8	6.1	6.7	6.1	3.8	1.4	0.2						
-90	0.2	1.4	3.8	6.1	6.7	6.1	3.8	1.4	0.2							

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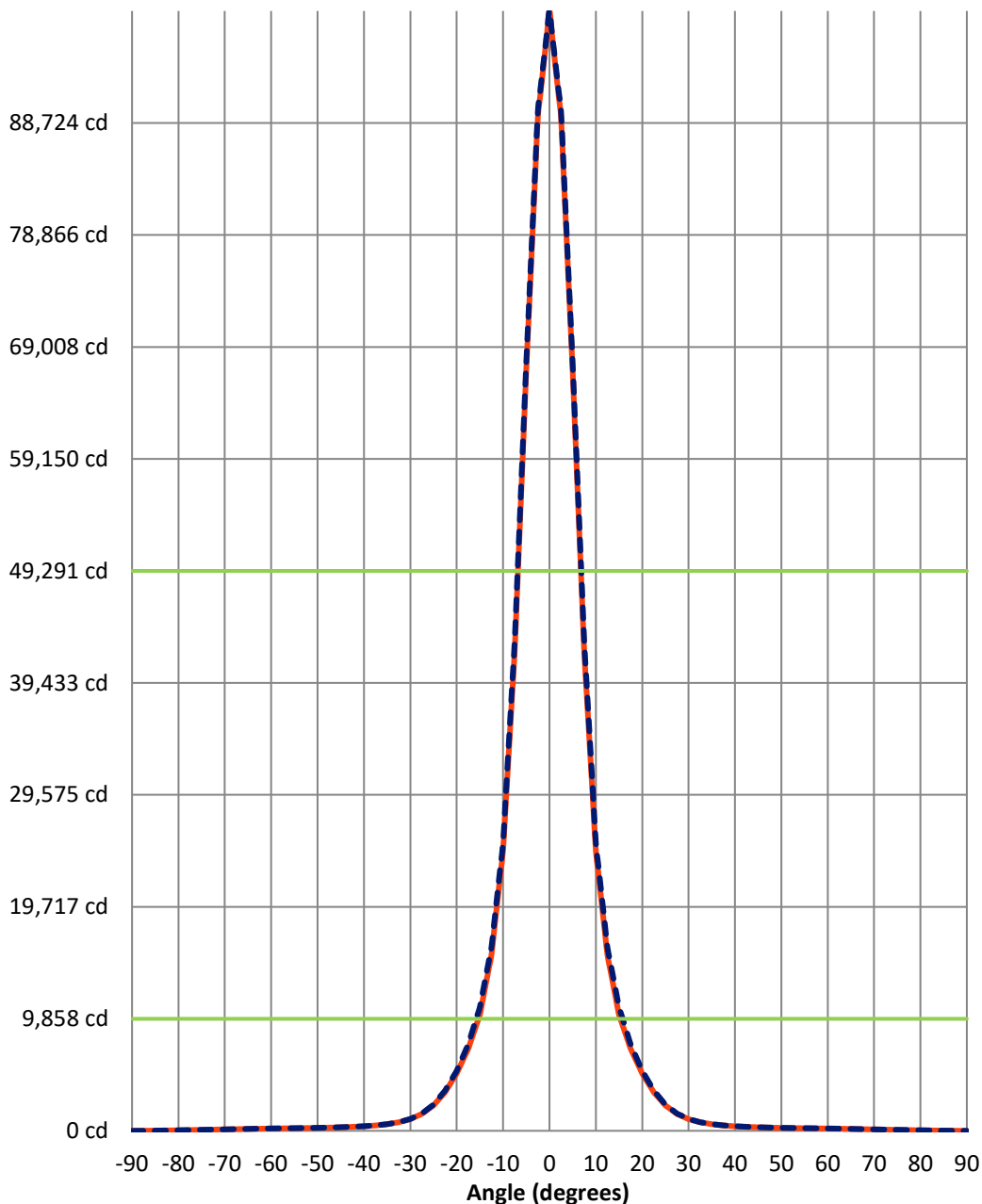
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 13.7°  
 V Angle: 13.6°  
 Lumens: 3094.9  
 Efficiency: 29.6%

**Field:**  
 H Angle: 31.6°  
 V Angle: 30.6°  
 Lumens: 6964.9  
 Efficiency: 66.5%

**Spill:**  
 Lumens: 3503.1  
 Efficiency: 33.5%

— 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	0.7	1.1	1.5	1.8	2.2	2.5	2.9	3.2	3.5
85°	0.0	0.6	1.5	2.2	2.9	3.6	4.3	5.0	5.7	6.4	7.1
82.5°	0.0	1.0	2.2	3.3	4.4	5.4	6.5	7.6	8.7	10.2	11.8
80°	0.0	1.3	2.9	4.4	5.8	7.2	8.8	10.9	13.0	15.1	17.1
77.5°	0.0	1.6	3.6	5.4	7.2	9.3	12.0	14.7	17.3	19.8	22.6
75°	0.0	1.9	4.3	6.5	8.8	11.8	15.2	18.4	21.6	25.2	28.7
72.5°	0.0	2.2	5.0	7.6	10.7	14.3	18.3	22.2	26.4	30.6	34.7
70°	0.0	2.5	5.7	8.7	12.6	16.8	21.4	26.4	31.3	36.0	41.4
67.5°	0.0	2.8	6.3	10.0	14.4	19.2	24.9	30.6	36.0	42.1	48.1
65°	0.0	3.1	6.9	11.3	16.2	21.8	28.4	34.7	41.4	48.1	55.2
62.5°	0.0	3.3	7.5	12.6	18.0	24.6	31.8	39.2	46.6	54.2	63.1
60°	0.0	3.6	8.1	13.8	19.7	27.4	35.1	43.7	51.8	61.0	70.8
57.5°	0.0	3.9	8.9	15.0	21.8	30.1	38.8	48.0	57.4	67.6	78.2
55°	0.0	4.1	9.6	16.2	23.9	32.7	42.4	52.2	63.0	74.0	85.4
52.5°	0.0	4.3	10.4	17.3	25.9	35.3	45.9	56.8	68.3	80.1	92.3
50°	0.0	4.6	11.1	18.4	27.9	38.1	49.2	61.2	73.5	86.0	98.9
47.5°	0.0	4.8	11.8	19.5	29.8	40.8	52.5	65.5	78.3	91.5	105.4
45°	0.0	5.0	12.4	20.8	31.6	43.4	56.0	69.6	83.0	97.2	111.7
42.5°	0.0	5.2	13.1	22.1	33.3	45.9	59.4	73.5	87.6	102.7	117.9
40°	0.0	5.3	13.7	23.4	35.1	48.3	62.6	77.3	92.0	108.0	123.8
37.5°	0.0	5.5	14.3	24.6	36.9	50.5	65.6	80.8	96.4	113.0	129.7
35°	0.0	5.7	14.8	25.7	38.5	52.8	68.5	84.2	100.5	117.7	135.2
32.5°	0.0	5.8	15.4	26.8	40.1	55.0	71.2	87.3	104.3	122.1	140.1
30°	0.0	5.9	15.9	27.8	41.6	57.1	73.7	90.3	107.8	126.2	144.5
27.5°	0.0	6.0	16.3	28.8	43.0	59.0	76.0	93.1	111.0	130.0	148.4
25°	0.0	6.1	16.8	29.6	44.3	60.7	78.1	95.6	114.0	133.3	151.9
22.5°	0.0	6.2	17.2	30.4	45.5	62.3	80.0	97.9	116.7	136.1	155.0
20°	0.0	6.3	17.6	31.1	46.6	63.7	81.7	99.8	119.1	138.6	157.7
17.5°	0.0	6.3	17.9	31.7	47.5	64.9	83.1	101.5	121.2	140.7	160.2
15°	0.0	6.3	18.2	32.3	48.4	65.8	84.3	103.0	123.0	142.4	162.3
12.5°	0.0	6.4	18.4	32.7	49.1	66.6	85.2	104.4	124.5	143.7	164.0
10°	0.0	6.4	18.6	33.1	49.7	67.2	85.9	105.5	125.6	145.1	165.7
7.5°	0.0	6.4	18.8	33.4	50.1	67.5	86.4	106.5	126.4	146.3	167.7
5°	0.0	6.4	18.9	33.6	50.4	67.7	86.7	107.1	126.8	147.2	169.2
2.5°	0.0	6.3	19.0	33.8	50.6	67.7	86.8	107.6	126.9	147.7	170.4
0°	0.0	6.3	19.0	33.8	50.7	67.6	86.6	107.7	126.7	147.9	171.1
-2.5°	0.0	6.3	19.0	33.8	50.6	67.7	86.8	107.6	126.9	147.7	170.4
-5°	0.0	6.4	18.9	33.6	50.4	67.7	86.7	107.1	126.8	147.2	169.2
-7.5°	0.0	6.4	18.8	33.4	50.1	67.5	86.4	106.5	126.4	146.3	167.7
-10°	0.0	6.4	18.6	33.1	49.7	67.2	85.9	105.5	125.6	145.1	165.7
-12.5°	0.0	6.4	18.4	32.7	49.1	66.6	85.2	104.4	124.5	143.7	164.0
-15°	0.0	6.3	18.2	32.3	48.4	65.8	84.3	103.0	123.0	142.4	162.3
-17.5°	0.0	6.3	17.9	31.7	47.5	64.9	83.1	101.5	121.2	140.7	160.2
-20°	0.0	6.3	17.6	31.1	46.6	63.7	81.7	99.8	119.1	138.6	157.7

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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.2	17.2	30.4	45.5	62.3	80.0	97.9	116.7	136.1	155.0
-25°	0.0	6.1	16.8	29.6	44.3	60.7	78.1	95.6	114.0	133.3	151.9
-27.5°	0.0	6.0	16.3	28.8	43.0	59.0	76.0	93.1	111.0	130.0	148.4
-30°	0.0	5.9	15.9	27.8	41.6	57.1	73.7	90.3	107.8	126.2	144.5
-32.5°	0.0	5.8	15.4	26.8	40.1	55.0	71.2	87.3	104.3	122.1	140.1
-35°	0.0	5.7	14.8	25.7	38.5	52.8	68.5	84.2	100.5	117.7	135.2
-37.5°	0.0	5.5	14.3	24.6	36.9	50.5	65.6	80.8	96.4	113.0	129.7
-40°	0.0	5.3	13.7	23.4	35.1	48.3	62.6	77.3	92.0	108.0	123.8
-42.5°	0.0	5.2	13.1	22.1	33.3	45.9	59.4	73.5	87.6	102.7	117.9
-45°	0.0	5.0	12.4	20.8	31.6	43.4	56.0	69.6	83.0	97.2	111.7
-47.5°	0.0	4.8	11.8	19.5	29.8	40.8	52.5	65.5	78.3	91.5	105.4
-50°	0.0	4.6	11.1	18.4	27.9	38.1	49.2	61.2	73.5	86.0	98.9
-52.5°	0.0	4.3	10.4	17.3	25.9	35.3	45.9	56.8	68.3	80.1	92.3
-55°	0.0	4.1	9.6	16.2	23.9	32.7	42.4	52.2	63.0	74.0	85.4
-57.5°	0.0	3.9	8.9	15.0	21.8	30.1	38.8	48.0	57.4	67.6	78.2
-60°	0.0	3.6	8.1	13.8	19.7	27.4	35.1	43.7	51.8	61.0	70.8
-62.5°	0.0	3.3	7.5	12.6	18.0	24.6	31.8	39.2	46.6	54.2	63.1
-65°	0.0	3.1	6.9	11.3	16.2	21.8	28.4	34.7	41.4	48.1	55.2
-67.5°	0.0	2.8	6.3	10.0	14.4	19.2	24.9	30.6	36.0	42.1	48.1
-70°	0.0	2.5	5.7	8.7	12.6	16.8	21.4	26.4	31.3	36.0	41.4
-72.5°	0.0	2.2	5.0	7.6	10.7	14.3	18.3	22.2	26.4	30.6	34.7
-75°	0.0	1.9	4.3	6.5	8.8	11.8	15.2	18.4	21.6	25.2	28.7
-77.5°	0.0	1.6	3.6	5.4	7.2	9.3	12.0	14.7	17.3	19.8	22.6
-80°	0.0	1.3	2.9	4.4	5.8	7.2	8.8	10.9	13.0	15.1	17.1
-82.5°	0.0	1.0	2.2	3.3	4.4	5.4	6.5	7.6	8.7	10.2	11.8
-85°	0.0	0.6	1.5	2.2	2.9	3.6	4.3	5.0	5.7	6.4	7.1
-87.5°	0.0	0.3	0.7	1.1	1.5	1.8	2.2	2.5	2.9	3.2	3.5
-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°	3.9	4.2	4.5	4.8	5.1	5.4	5.7	5.9	6.2	6.4	6.7
85°	7.7	8.4	9.3	10.3	11.0	11.7	12.3	12.8	13.7	14.6	15.5
82.5°	13.3	14.7	16.1	17.5	18.5	19.2	20.0	21.0	22.9	24.7	26.3
80°	19.1	21.0	23.2	25.3	27.2	29.0	30.9	32.9	34.9	36.9	38.7
77.5°	25.5	28.3	31.0	33.7	36.4	39.3	42.0	44.7	47.3	49.7	52.0
75°	32.1	35.5	39.2	42.9	46.5	49.9	53.3	56.9	60.4	63.7	66.9
72.5°	39.2	43.7	48.1	52.3	57.0	61.5	65.9	70.1	74.2	78.5	83.0
70°	46.6	51.8	57.5	63.0	68.1	73.5	79.0	83.6	88.1	94.0	100.1
67.5°	54.3	61.2	67.7	73.9	80.8	87.1	92.7	98.6	104.9	111.8	117.8
65°	63.3	70.9	78.4	86.2	94.2	100.8	107.8	115.1	122.3	129.1	135.6
62.5°	72.3	80.8	89.4	97.9	106.2	114.1	122.5	130.6	138.5	146.4	153.4
60°	80.9	90.5	99.7	108.6	117.9	127.8	137.0	146.0	155.5	164.4	169.2
57.5°	89.2	99.5	109.1	119.1	130.0	141.1	150.8	161.1	169.2	175.4	181.5
55°	97.0	107.8	118.2	129.5	141.3	152.9	163.7	172.8	180.3	186.0	192.5
52.5°	104.3	115.7	127.1	139.3	151.9	164.2	175.5	184.1	190.8	196.7	202.8
50°	111.5	123.5	135.5	148.9	162.4	175.5	186.6	194.4	200.8	206.8	213.0
47.5°	118.6	131.1	144.0	158.4	172.9	185.6	196.1	203.3	209.7	216.8	223.6
45°	125.5	139.0	152.8	168.1	182.8	195.0	203.9	211.1	219.1	226.7	234.0
42.5°	132.3	146.9	161.7	177.7	191.8	202.9	211.2	219.7	228.2	236.4	244.6
40°	139.1	154.4	170.1	186.0	200.2	209.8	218.6	227.8	237.2	246.0	255.1
37.5°	145.7	161.5	177.7	193.7	206.7	216.3	225.5	235.6	245.5	255.2	267.0
35°	151.9	167.9	184.3	199.8	212.2	222.3	232.5	243.1	253.5	266.0	279.5
32.5°	157.4	173.7	190.3	204.7	216.9	227.7	239.2	250.3	262.8	276.9	293.1
30°	162.1	178.7	195.4	209.5	221.5	232.9	245.3	257.6	272.2	289.1	308.4
27.5°	166.2	183.3	199.5	213.6	225.8	237.1	250.2	265.7	282.4	301.4	324.2
25°	170.1	187.9	203.3	217.4	229.2	241.0	255.1	272.2	292.3	315.2	343.0
22.5°	173.7	192.3	207.2	220.9	231.8	244.7	260.5	279.1	301.0	327.8	361.7
20°	177.2	195.6	210.4	223.7	233.8	247.8	265.2	285.1	310.0	342.0	381.1
17.5°	180.4	198.4	212.8	225.4	236.5	251.2	269.4	290.0	317.8	354.9	399.1
15°	183.3	200.8	214.8	226.7	238.8	254.7	273.8	296.1	326.5	367.1	414.9
12.5°	185.8	202.7	216.3	227.7	240.7	257.6	277.8	302.5	335.8	379.2	435.1
10°	188.0	204.2	217.4	228.5	242.2	259.9	281.0	307.6	343.2	388.6	450.5
7.5°	189.9	205.3	218.1	228.9	243.1	261.4	283.6	311.6	348.4	395.2	461.7
5°	191.2	206.3	219.0	230.2	244.5	262.6	285.4	314.2	351.5	399.1	468.6
2.5°	192.0	206.8	219.5	231.4	246.0	263.7	286.8	317.2	353.9	403.0	473.9
0°	192.2	207.0	219.7	232.3	247.1	264.0	287.3	318.9	354.8	405.5	477.3
-2.5°	192.0	206.8	219.5	231.4	246.0	263.7	286.8	317.2	353.9	403.0	473.9
-5°	191.2	206.3	219.0	230.2	244.5	262.6	285.4	314.2	351.5	399.1	468.6
-7.5°	189.9	205.3	218.1	228.9	243.1	261.4	283.6	311.6	348.4	395.2	461.7
-10°	188.0	204.2	217.4	228.5	242.2	259.9	281.0	307.6	343.2	388.6	450.5
-12.5°	185.8	202.7	216.3	227.7	240.7	257.6	277.8	302.5	335.8	379.2	435.1
-15°	183.3	200.8	214.8	226.7	238.8	254.7	273.8	296.1	326.5	367.1	414.9
-17.5°	180.4	198.4	212.8	225.4	236.5	251.2	269.4	290.0	317.8	354.9	399.1
-20°	177.2	195.6	210.4	223.7	233.8	247.8	265.2	285.1	310.0	342.0	381.1



REPORT NUMBER: P626899 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-727-U-NR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	173.7	192.3	207.2	220.9	231.8	244.7	260.5	279.1	301.0	327.8	361.7
-25°	170.1	187.9	203.3	217.4	229.2	241.0	255.1	272.2	292.3	315.2	343.0
-27.5°	166.2	183.3	199.5	213.6	225.8	237.1	250.2	265.7	282.4	301.4	324.2
-30°	162.1	178.7	195.4	209.5	221.5	232.9	245.3	257.6	272.2	289.1	308.4
-32.5°	157.4	173.7	190.3	204.7	216.9	227.7	239.2	250.3	262.8	276.9	293.1
-35°	151.9	167.9	184.3	199.8	212.2	222.3	232.5	243.1	253.5	266.0	279.5
-37.5°	145.7	161.5	177.7	193.7	206.7	216.3	225.5	235.6	245.5	255.2	267.0
-40°	139.1	154.4	170.1	186.0	200.2	209.8	218.6	227.8	237.2	246.0	255.1
-42.5°	132.3	146.9	161.7	177.7	191.8	202.9	211.2	219.7	228.2	236.4	244.6
-45°	125.5	139.0	152.8	168.1	182.8	195.0	203.9	211.1	219.1	226.7	234.0
-47.5°	118.6	131.1	144.0	158.4	172.9	185.6	196.1	203.3	209.7	216.8	223.6
-50°	111.5	123.5	135.5	148.9	162.4	175.5	186.6	194.4	200.8	206.8	213.0
-52.5°	104.3	115.7	127.1	139.3	151.9	164.2	175.5	184.1	190.8	196.7	202.8
-55°	97.0	107.8	118.2	129.5	141.3	152.9	163.7	172.8	180.3	186.0	192.5
-57.5°	89.2	99.5	109.1	119.1	130.0	141.1	150.8	161.1	169.2	175.4	181.5
-60°	80.9	90.5	99.7	108.6	117.9	127.8	137.0	146.0	155.5	164.4	169.2
-62.5°	72.3	80.8	89.4	97.9	106.2	114.1	122.5	130.6	138.5	146.4	153.4
-65°	63.3	70.9	78.4	86.2	94.2	100.8	107.8	115.1	122.3	129.1	135.6
-67.5°	54.3	61.2	67.7	73.9	80.8	87.1	92.7	98.6	104.9	111.8	117.8
-70°	46.6	51.8	57.5	63.0	68.1	73.5	79.0	83.6	88.1	94.0	100.1
-72.5°	39.2	43.7	48.1	52.3	57.0	61.5	65.9	70.1	74.2	78.5	83.0
-75°	32.1	35.5	39.2	42.9	46.5	49.9	53.3	56.9	60.4	63.7	66.9
-77.5°	25.5	28.3	31.0	33.7	36.4	39.3	42.0	44.7	47.3	49.7	52.0
-80°	19.1	21.0	23.2	25.3	27.2	29.0	30.9	32.9	34.9	36.9	38.7
-82.5°	13.3	14.7	16.1	17.5	18.5	19.2	20.0	21.0	22.9	24.7	26.3
-85°	7.7	8.4	9.3	10.3	11.0	11.7	12.3	12.8	13.7	14.6	15.5
-87.5°	3.9	4.2	4.5	4.8	5.1	5.4	5.7	5.9	6.2	6.4	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: P626899 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-727-U-NR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.9	7.1	7.3	7.5	7.6	7.8	7.9	8.0	8.1	7.7	7.2
85°	16.5	17.1	17.7	18.2	18.7	19.2	19.6	19.9	20.2	20.0	19.7
82.5°	27.8	28.9	29.9	30.9	31.7	32.5	33.2	33.8	34.4	34.3	34.2
80°	40.5	42.3	44.1	45.9	47.7	48.7	49.5	50.1	50.5	50.7	50.7
77.5°	54.4	57.2	60.1	63.0	65.8	67.4	68.6	69.6	70.3	70.5	70.3
75°	69.8	73.4	77.4	80.9	83.9	85.8	87.1	88.2	89.0	89.3	89.2
72.5°	87.8	92.2	95.8	98.7	101.3	103.3	104.9	106.3	107.4	107.8	107.9
70°	105.4	109.8	113.3	116.3	118.8	120.8	122.8	124.4	125.8	126.8	127.5
67.5°	123.3	128.4	131.8	134.6	136.7	138.9	141.4	143.7	145.5	146.8	147.4
65°	141.7	146.9	150.2	153.2	155.8	158.5	161.4	163.5	164.9	165.8	166.3
62.5°	159.4	164.3	168.5	172.4	176.2	179.3	181.3	183.1	184.6	185.8	186.8
60°	174.7	180.8	185.6	189.3	193.0	196.6	199.0	200.9	202.4	203.6	204.2
57.5°	187.7	194.0	199.6	203.2	207.2	211.5	214.3	215.9	217.4	218.7	219.3
55°	199.1	204.9	210.1	215.1	219.6	223.4	226.4	228.5	230.4	231.8	232.3
52.5°	209.4	215.7	221.7	227.1	231.5	235.1	238.1	240.8	242.8	244.2	244.8
50°	220.1	226.9	233.4	239.2	243.8	247.9	251.6	254.7	257.7	260.1	261.8
47.5°	230.7	238.0	245.2	251.5	257.0	262.9	268.3	272.8	277.2	280.8	283.2
45°	241.4	249.8	257.6	265.8	273.2	281.0	288.2	294.4	300.8	305.7	308.9
42.5°	253.3	262.8	272.2	282.4	292.4	302.6	313.6	323.4	330.9	338.0	343.8
40°	266.0	276.9	289.1	301.7	316.4	329.8	344.6	357.2	368.7	380.8	390.4
37.5°	279.5	293.1	309.2	326.0	345.1	363.5	382.7	401.6	418.2	437.6	452.5
35°	294.5	312.7	332.5	355.2	379.0	405.3	431.6	462.0	488.2	517.0	542.1
32.5°	312.2	334.0	359.9	389.9	420.4	460.3	497.6	546.0	587.9	633.6	679.7
30°	330.5	358.9	392.3	430.1	478.7	533.6	594.7	666.8	741.0	812.9	899.6
27.5°	353.1	387.3	427.8	483.1	554.6	628.7	733.9	842.1	978.6	1091.5	1250.7
25°	376.6	416.9	474.5	549.6	642.9	771.6	931.1	1104.0	1344.2	1555.3	1802.8
22.5°	402.1	456.6	528.2	620.9	762.5	959.9	1201.4	1526.8	1881.2	2257.5	2631.7
20°	428.8	494.7	588.5	722.9	917.2	1184.5	1599.1	2101.5	2607.8	3228.6	3778.3
17.5°	459.7	543.4	659.1	827.2	1086.4	1496.0	2071.1	2772.5	3557.9	4450.5	5243.0
15°	485.4	585.2	731.3	966.5	1323.0	1849.0	2574.3	3539.1	4719.4	5918.1	7134.3
12.5°	515.2	630.7	802.3	1082.7	1530.4	2229.5	3216.7	4437.9	5911.9	7574.7	9534.8
10°	541.6	675.4	888.6	1235.8	1782.9	2626.3	3824.5	5293.7	7195.9	9588.2	12623.6
7.5°	561.3	711.0	955.3	1352.3	2001.2	3007.9	4398.7	6230.8	8647.9	11806.9	15972.8
5°	574.1	736.7	1002.5	1442.2	2172.1	3291.9	4819.5	6895.4	9811.4	14279.3	21333.7
2.5°	581.7	751.9	1029.4	1494.9	2276.0	3480.0	5139.7	7398.0	10565.5	15807.3	24781.8
0°	585.1	756.2	1045.5	1522.9	2310.7	3552.6	5286.7	7627.0	10902.9	16164.3	25388.1
-2.5°	581.7	751.9	1029.4	1494.9	2276.0	3480.0	5139.7	7398.0	10565.5	15807.3	24781.8
-5°	574.1	736.7	1002.5	1442.2	2172.1	3291.9	4819.5	6895.4	9811.4	14279.3	21333.7
-7.5°	561.3	711.0	955.3	1352.3	2001.2	3007.9	4398.7	6230.8	8647.9	11806.9	15972.8
-10°	541.6	675.4	888.6	1235.8	1782.9	2626.3	3824.5	5293.7	7195.9	9588.2	12623.6
-12.5°	515.2	630.7	802.3	1082.7	1530.4	2229.5	3216.7	4437.9	5911.9	7574.7	9534.8
-15°	485.4	585.2	731.3	966.5	1323.0	1849.0	2574.3	3539.1	4719.4	5918.1	7134.3
-17.5°	459.7	543.4	659.1	827.2	1086.4	1496.0	2071.1	2772.5	3557.9	4450.5	5243.0
-20°	428.8	494.7	588.5	722.9	917.2	1184.5	1599.1	2101.5	2607.8	3228.6	3778.3

Classified

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

Scaled Data Report



REPORT NUMBER: P626899 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA2C-727-U-NR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	402.1	456.6	528.2	620.9	762.5	959.9	1201.4	1526.8	1881.2	2257.5	2631.7
-25°	376.6	416.9	474.5	549.6	642.9	771.6	931.1	1104.0	1344.2	1555.3	1802.8
-27.5°	353.1	387.3	427.8	483.1	554.6	628.7	733.9	842.1	978.6	1091.5	1250.7
-30°	330.5	358.9	392.3	430.1	478.7	533.6	594.7	666.8	741.0	812.9	899.6
-32.5°	312.2	334.0	359.9	389.9	420.4	460.3	497.6	546.0	587.9	633.6	679.7
-35°	294.5	312.7	332.5	355.2	379.0	405.3	431.6	462.0	488.2	517.0	542.1
-37.5°	279.5	293.1	309.2	326.0	345.1	363.5	382.7	401.6	418.2	437.6	452.5
-40°	266.0	276.9	289.1	301.7	316.4	329.8	344.6	357.2	368.7	380.8	390.4
-42.5°	253.3	262.8	272.2	282.4	292.4	302.6	313.6	323.4	330.9	338.0	343.8
-45°	241.4	249.8	257.6	265.8	273.2	281.0	288.2	294.4	300.8	305.7	308.9
-47.5°	230.7	238.0	245.2	251.5	257.0	262.9	268.3	272.8	277.2	280.8	283.2
-50°	220.1	226.9	233.4	239.2	243.8	247.9	251.6	254.7	257.7	260.1	261.8
-52.5°	209.4	215.7	221.7	227.1	231.5	235.1	238.1	240.8	242.8	244.2	244.8
-55°	199.1	204.9	210.1	215.1	219.6	223.4	226.4	228.5	230.4	231.8	232.3
-57.5°	187.7	194.0	199.6	203.2	207.2	211.5	214.3	215.9	217.4	218.7	219.3
-60°	174.7	180.8	185.6	189.3	193.0	196.6	199.0	200.9	202.4	203.6	204.2
-62.5°	159.4	164.3	168.5	172.4	176.2	179.3	181.3	183.1	184.6	185.8	186.8
-65°	141.7	146.9	150.2	153.2	155.8	158.5	161.4	163.5	164.9	165.8	166.3
-67.5°	123.3	128.4	131.8	134.6	136.7	138.9	141.4	143.7	145.5	146.8	147.4
-70°	105.4	109.8	113.3	116.3	118.8	120.8	122.8	124.4	125.8	126.8	127.5
-72.5°	87.8	92.2	95.8	98.7	101.3	103.3	104.9	106.3	107.4	107.8	107.9
-75°	69.8	73.4	77.4	80.9	83.9	85.8	87.1	88.2	89.0	89.3	89.2
-77.5°	54.4	57.2	60.1	63.0	65.8	67.4	68.6	69.6	70.3	70.5	70.3
-80°	40.5	42.3	44.1	45.9	47.7	48.7	49.5	50.1	50.5	50.7	50.7
-82.5°	27.8	28.9	29.9	30.9	31.7	32.5	33.2	33.8	34.4	34.3	34.2
-85°	16.5	17.1	17.7	18.2	18.7	19.2	19.6	19.9	20.2	20.0	19.7
-87.5°	6.9	7.1	7.3	7.5	7.6	7.8	7.9	8.0	8.1	7.7	7.2
-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: P626899 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-727-U-NR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.8	6.3	6.3	6.3	6.3	6.3	6.8	7.2	7.7	8.1	8.0
85°	19.3	18.9	19.0	19.0	19.0	18.9	19.3	19.7	20.0	20.2	19.9
82.5°	34.0	33.6	33.8	33.8	33.8	33.6	34.0	34.2	34.3	34.4	33.8
80°	50.7	50.5	49.6	48.6	49.6	50.5	50.7	50.7	50.7	50.5	50.1
77.5°	70.0	69.4	68.6	67.6	68.6	69.4	70.0	70.3	70.5	70.3	69.6
75°	88.9	88.3	88.6	88.7	88.6	88.3	88.9	89.2	89.3	89.0	88.2
72.5°	107.7	107.3	107.6	107.7	107.6	107.3	107.7	107.9	107.8	107.4	106.3
70°	128.0	128.2	127.7	126.7	127.7	128.2	128.0	127.5	126.8	125.8	124.4
67.5°	147.6	147.4	146.7	145.7	146.7	147.4	147.6	147.4	146.8	145.5	143.7
65°	166.5	166.3	166.7	166.9	166.7	166.3	166.5	166.3	165.8	164.9	163.5
62.5°	187.3	187.3	186.9	185.9	186.9	187.3	187.3	186.8	185.8	184.6	183.1
60°	204.5	204.4	203.8	202.8	203.8	204.4	204.5	204.2	203.6	202.4	200.9
57.5°	219.5	219.3	218.6	217.6	218.6	219.3	219.5	219.3	218.7	217.4	215.9
55°	232.3	232.0	231.3	230.2	231.3	232.0	232.3	232.3	231.8	230.4	228.5
52.5°	245.0	244.7	244.8	245.0	244.8	244.7	245.0	244.8	244.2	242.8	240.8
50°	262.9	263.2	262.9	261.9	262.9	263.2	262.9	261.8	260.1	257.7	254.7
47.5°	284.4	284.5	284.0	283.0	284.0	284.5	284.4	283.2	280.8	277.2	272.8
45°	311.5	313.0	313.4	312.6	313.4	313.0	311.5	308.9	305.7	300.8	294.4
42.5°	348.2	350.6	351.2	350.6	351.2	350.6	348.2	343.8	338.0	330.9	323.4
40°	396.3	399.1	399.6	399.2	399.6	399.1	396.3	390.4	380.8	368.7	357.2
37.5°	463.0	469.6	472.7	473.1	472.7	469.6	463.0	452.5	437.6	418.2	401.6
35°	561.3	574.6	581.7	585.1	581.7	574.6	561.3	542.1	517.0	488.2	462.0
32.5°	714.5	741.1	755.9	754.0	755.9	741.1	714.5	679.7	633.6	587.9	546.0
30°	965.0	1011.4	1034.8	1028.6	1034.8	1011.4	965.0	899.6	812.9	741.0	666.8
27.5°	1365.1	1449.0	1497.6	1491.2	1497.6	1449.0	1365.1	1250.7	1091.5	978.6	842.1
25°	2009.8	2163.0	2261.0	2236.8	2261.0	2163.0	2009.8	1802.8	1555.3	1344.2	1104.0
22.5°	2990.5	3250.0	3421.7	3400.6	3421.7	3250.0	2990.5	2631.7	2257.5	1881.2	1526.8
20°	4335.7	4730.7	5012.8	5050.2	5012.8	4730.7	4335.7	3778.3	3228.6	2607.8	2101.5
17.5°	6099.0	6725.3	7161.4	7234.1	7161.4	6725.3	6099.0	5243.0	4450.5	3557.9	2772.5
15°	8390.7	9414.4	10155.3	10216.5	10155.3	9414.4	8390.7	7134.3	5918.1	4719.4	3539.1
12.5°	11502.5	13561.5	14905.3	15496.9	14905.3	13561.5	11502.5	9534.8	7574.7	5911.9	4437.9
10°	15809.0	20538.4	23567.2	24705.9	23567.2	20538.4	15809.0	12623.6	9588.2	7195.9	5293.7
7.5°	23002.3	30427.5	38682.6	42200.8	38682.6	30427.5	23002.3	15972.8	11806.9	8647.9	6230.8
5°	31148.0	46558.5	61216.6	66940.5	61216.6	46558.5	31148.0	21333.7	14279.3	9811.4	6895.4
2.5°	39719.5	61199.4	81327.7	89199.4	81327.7	61199.4	39719.5	24781.8	15807.3	10565.5	7398.0
0°	43066.9	67610.0	89756.0	98582.7	89756.0	67610.0	43066.9	25388.1	16164.3	10902.9	7627.0
-2.5°	39719.5	61199.4	81327.7	89199.4	81327.7	61199.4	39719.5	24781.8	15807.3	10565.5	7398.0
-5°	31148.0	46558.5	61216.6	66940.5	61216.6	46558.5	31148.0	21333.7	14279.3	9811.4	6895.4
-7.5°	23002.3	30427.5	38682.6	42200.8	38682.6	30427.5	23002.3	15972.8	11806.9	8647.9	6230.8
-10°	15809.0	20538.4	23567.2	24705.9	23567.2	20538.4	15809.0	12623.6	9588.2	7195.9	5293.7
-12.5°	11502.5	13561.5	14905.3	15496.9	14905.3	13561.5	11502.5	9534.8	7574.7	5911.9	4437.9
-15°	8390.7	9414.4	10155.3	10216.5	10155.3	9414.4	8390.7	7134.3	5918.1	4719.4	3539.1
-17.5°	6099.0	6725.3	7161.4	7234.1	7161.4	6725.3	6099.0	5243.0	4450.5	3557.9	2772.5
-20°	4335.7	4730.7	5012.8	5050.2	5012.8	4730.7	4335.7	3778.3	3228.6	2607.8	2101.5

Classified

Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P626899 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA2C-727-U-NR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2990.5	3250.0	3421.7	3400.6	3421.7	3250.0	2990.5	2631.7	2257.5	1881.2	1526.8
-25°	2009.8	2163.0	2261.0	2236.8	2261.0	2163.0	2009.8	1802.8	1555.3	1344.2	1104.0
-27.5°	1365.1	1449.0	1497.6	1491.2	1497.6	1449.0	1365.1	1250.7	1091.5	978.6	842.1
-30°	965.0	1011.4	1034.8	1028.6	1034.8	1011.4	965.0	899.6	812.9	741.0	666.8
-32.5°	714.5	741.1	755.9	754.0	755.9	741.1	714.5	679.7	633.6	587.9	546.0
-35°	561.3	574.6	581.7	585.1	581.7	574.6	561.3	542.1	517.0	488.2	462.0
-37.5°	463.0	469.6	472.7	473.1	472.7	469.6	463.0	452.5	437.6	418.2	401.6
-40°	396.3	399.1	399.6	399.2	399.6	399.1	396.3	390.4	380.8	368.7	357.2
-42.5°	348.2	350.6	351.2	350.6	351.2	350.6	348.2	343.8	338.0	330.9	323.4
-45°	311.5	313.0	313.4	312.6	313.4	313.0	311.5	308.9	305.7	300.8	294.4
-47.5°	284.4	284.5	284.0	283.0	284.0	284.5	284.4	283.2	280.8	277.2	272.8
-50°	262.9	263.2	262.9	261.9	262.9	263.2	262.9	261.8	260.1	257.7	254.7
-52.5°	245.0	244.7	244.8	245.0	244.8	244.7	245.0	244.8	244.2	242.8	240.8
-55°	232.3	232.0	231.3	230.2	231.3	232.0	232.3	232.3	231.8	230.4	228.5
-57.5°	219.5	219.3	218.6	217.6	218.6	219.3	219.5	219.3	218.7	217.4	215.9
-60°	204.5	204.4	203.8	202.8	203.8	204.4	204.5	204.2	203.6	202.4	200.9
-62.5°	187.3	187.3	186.9	185.9	186.9	187.3	187.3	186.8	185.8	184.6	183.1
-65°	166.5	166.3	166.7	166.9	166.7	166.3	166.5	166.3	165.8	164.9	163.5
-67.5°	147.6	147.4	146.7	145.7	146.7	147.4	147.6	147.4	146.8	145.5	143.7
-70°	128.0	128.2	127.7	126.7	127.7	128.2	128.0	127.5	126.8	125.8	124.4
-72.5°	107.7	107.3	107.6	107.7	107.6	107.3	107.7	107.9	107.8	107.4	106.3
-75°	88.9	88.3	88.6	88.7	88.6	88.3	88.9	89.2	89.3	89.0	88.2
-77.5°	70.0	69.4	68.6	67.6	68.6	69.4	70.0	70.3	70.5	70.3	69.6
-80°	50.7	50.5	49.6	48.6	49.6	50.5	50.7	50.7	50.7	50.5	50.1
-82.5°	34.0	33.6	33.8	33.8	33.8	33.6	34.0	34.2	34.3	34.4	33.8
-85°	19.3	18.9	19.0	19.0	19.0	18.9	19.3	19.7	20.0	20.2	19.9
-87.5°	6.8	6.3	6.3	6.3	6.3	6.3	6.8	7.2	7.7	8.1	8.0
-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: P626899 (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°	7.9	7.8	7.6	7.5	7.3	7.1	6.9	6.7	6.4	6.2	5.9
85°	19.6	19.2	18.7	18.2	17.7	17.1	16.5	15.5	14.6	13.7	12.8
82.5°	33.2	32.5	31.7	30.9	29.9	28.9	27.8	26.3	24.7	22.9	21.0
80°	49.5	48.7	47.7	45.9	44.1	42.3	40.5	38.7	36.9	34.9	32.9
77.5°	68.6	67.4	65.8	63.0	60.1	57.2	54.4	52.0	49.7	47.3	44.7
75°	87.1	85.8	83.9	80.9	77.4	73.4	69.8	66.9	63.7	60.4	56.9
72.5°	104.9	103.3	101.3	98.7	95.8	92.2	87.8	83.0	78.5	74.2	70.1
70°	122.8	120.8	118.8	116.3	113.3	109.8	105.4	100.1	94.0	88.1	83.6
67.5°	141.4	138.9	136.7	134.6	131.8	128.4	123.3	117.8	111.8	104.9	98.6
65°	161.4	158.5	155.8	153.2	150.2	146.9	141.7	135.6	129.1	122.3	115.1
62.5°	181.3	179.3	176.2	172.4	168.5	164.3	159.4	153.4	146.4	138.5	130.6
60°	199.0	196.6	193.0	189.3	185.6	180.8	174.7	169.2	164.4	155.5	146.0
57.5°	214.3	211.5	207.2	203.2	199.6	194.0	187.7	181.5	175.4	169.2	161.1
55°	226.4	223.4	219.6	215.1	210.1	204.9	199.1	192.5	186.0	180.3	172.8
52.5°	238.1	235.1	231.5	227.1	221.7	215.7	209.4	202.8	196.7	190.8	184.1
50°	251.6	247.9	243.8	239.2	233.4	226.9	220.1	213.0	206.8	200.8	194.4
47.5°	268.3	262.9	257.0	251.5	245.2	238.0	230.7	223.6	216.8	209.7	203.3
45°	288.2	281.0	273.2	265.8	257.6	249.8	241.4	234.0	226.7	219.1	211.1
42.5°	313.6	302.6	292.4	282.4	272.2	262.8	253.3	244.6	236.4	228.2	219.7
40°	344.6	329.8	316.4	301.7	289.1	276.9	266.0	255.1	246.0	237.2	227.8
37.5°	382.7	363.5	345.1	326.0	309.2	293.1	279.5	267.0	255.2	245.5	235.6
35°	431.6	405.3	379.0	355.2	332.5	312.7	294.5	279.5	266.0	253.5	243.1
32.5°	497.6	460.3	420.4	389.9	359.9	334.0	312.2	293.1	276.9	262.8	250.3
30°	594.7	533.6	478.7	430.1	392.3	358.9	330.5	308.4	289.1	272.2	257.6
27.5°	733.9	628.7	554.6	483.1	427.8	387.3	353.1	324.2	301.4	282.4	265.7
25°	931.1	771.6	642.9	549.6	474.5	416.9	376.6	343.0	315.2	292.3	272.2
22.5°	1201.4	959.9	762.5	620.9	528.2	456.6	402.1	361.7	327.8	301.0	279.1
20°	1599.1	1184.5	917.2	722.9	588.5	494.7	428.8	381.1	342.0	310.0	285.1
17.5°	2071.1	1496.0	1086.4	827.2	659.1	543.4	459.7	399.1	354.9	317.8	290.0
15°	2574.3	1849.0	1323.0	966.5	731.3	585.2	485.4	414.9	367.1	326.5	296.1
12.5°	3216.7	2229.5	1530.4	1082.7	802.3	630.7	515.2	435.1	379.2	335.8	302.5
10°	3824.5	2626.3	1782.9	1235.8	888.6	675.4	541.6	450.5	388.6	343.2	307.6
7.5°	4398.7	3007.9	2001.2	1352.3	955.3	711.0	561.3	461.7	395.2	348.4	311.6
5°	4819.5	3291.9	2172.1	1442.2	1002.5	736.7	574.1	468.6	399.1	351.5	314.2
2.5°	5139.7	3480.0	2276.0	1494.9	1029.4	751.9	581.7	473.9	403.0	353.9	317.2
0°	5286.7	3552.6	2310.7	1522.9	1045.5	756.2	585.1	477.3	405.5	354.8	318.9
-2.5°	5139.7	3480.0	2276.0	1494.9	1029.4	751.9	581.7	473.9	403.0	353.9	317.2
-5°	4819.5	3291.9	2172.1	1442.2	1002.5	736.7	574.1	468.6	399.1	351.5	314.2
-7.5°	4398.7	3007.9	2001.2	1352.3	955.3	711.0	561.3	461.7	395.2	348.4	311.6
-10°	3824.5	2626.3	1782.9	1235.8	888.6	675.4	541.6	450.5	388.6	343.2	307.6
-12.5°	3216.7	2229.5	1530.4	1082.7	802.3	630.7	515.2	435.1	379.2	335.8	302.5
-15°	2574.3	1849.0	1323.0	966.5	731.3	585.2	485.4	414.9	367.1	326.5	296.1
-17.5°	2071.1	1496.0	1086.4	827.2	659.1	543.4	459.7	399.1	354.9	317.8	290.0
-20°	1599.1	1184.5	917.2	722.9	588.5	494.7	428.8	381.1	342.0	310.0	285.1



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REPORT NUMBER: P626899 (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°	1201.4	959.9	762.5	620.9	528.2	456.6	402.1	361.7	327.8	301.0	279.1
-25°	931.1	771.6	642.9	549.6	474.5	416.9	376.6	343.0	315.2	292.3	272.2
-27.5°	733.9	628.7	554.6	483.1	427.8	387.3	353.1	324.2	301.4	282.4	265.7
-30°	594.7	533.6	478.7	430.1	392.3	358.9	330.5	308.4	289.1	272.2	257.6
-32.5°	497.6	460.3	420.4	389.9	359.9	334.0	312.2	293.1	276.9	262.8	250.3
-35°	431.6	405.3	379.0	355.2	332.5	312.7	294.5	279.5	266.0	253.5	243.1
-37.5°	382.7	363.5	345.1	326.0	309.2	293.1	279.5	267.0	255.2	245.5	235.6
-40°	344.6	329.8	316.4	301.7	289.1	276.9	266.0	255.1	246.0	237.2	227.8
-42.5°	313.6	302.6	292.4	282.4	272.2	262.8	253.3	244.6	236.4	228.2	219.7
-45°	288.2	281.0	273.2	265.8	257.6	249.8	241.4	234.0	226.7	219.1	211.1
-47.5°	268.3	262.9	257.0	251.5	245.2	238.0	230.7	223.6	216.8	209.7	203.3
-50°	251.6	247.9	243.8	239.2	233.4	226.9	220.1	213.0	206.8	200.8	194.4
-52.5°	238.1	235.1	231.5	227.1	221.7	215.7	209.4	202.8	196.7	190.8	184.1
-55°	226.4	223.4	219.6	215.1	210.1	204.9	199.1	192.5	186.0	180.3	172.8
-57.5°	214.3	211.5	207.2	203.2	199.6	194.0	187.7	181.5	175.4	169.2	161.1
-60°	199.0	196.6	193.0	189.3	185.6	180.8	174.7	169.2	164.4	155.5	146.0
-62.5°	181.3	179.3	176.2	172.4	168.5	164.3	159.4	153.4	146.4	138.5	130.6
-65°	161.4	158.5	155.8	153.2	150.2	146.9	141.7	135.6	129.1	122.3	115.1
-67.5°	141.4	138.9	136.7	134.6	131.8	128.4	123.3	117.8	111.8	104.9	98.6
-70°	122.8	120.8	118.8	116.3	113.3	109.8	105.4	100.1	94.0	88.1	83.6
-72.5°	104.9	103.3	101.3	98.7	95.8	92.2	87.8	83.0	78.5	74.2	70.1
-75°	87.1	85.8	83.9	80.9	77.4	73.4	69.8	66.9	63.7	60.4	56.9
-77.5°	68.6	67.4	65.8	63.0	60.1	57.2	54.4	52.0	49.7	47.3	44.7
-80°	49.5	48.7	47.7	45.9	44.1	42.3	40.5	38.7	36.9	34.9	32.9
-82.5°	33.2	32.5	31.7	30.9	29.9	28.9	27.8	26.3	24.7	22.9	21.0
-85°	19.6	19.2	18.7	18.2	17.7	17.1	16.5	15.5	14.6	13.7	12.8
-87.5°	7.9	7.8	7.6	7.5	7.3	7.1	6.9	6.7	6.4	6.2	5.9
-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: P626899 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.5	3.2	2.9	2.5
85°	12.3	11.7	11.0	10.3	9.3	8.4	7.7	7.1	6.4	5.7	5.0
82.5°	20.0	19.2	18.5	17.5	16.1	14.7	13.3	11.8	10.2	8.7	7.6
80°	30.9	29.0	27.2	25.3	23.2	21.0	19.1	17.1	15.1	13.0	10.9
77.5°	42.0	39.3	36.4	33.7	31.0	28.3	25.5	22.6	19.8	17.3	14.7
75°	53.3	49.9	46.5	42.9	39.2	35.5	32.1	28.7	25.2	21.6	18.4
72.5°	65.9	61.5	57.0	52.3	48.1	43.7	39.2	34.7	30.6	26.4	22.2
70°	79.0	73.5	68.1	63.0	57.5	51.8	46.6	41.4	36.0	31.3	26.4
67.5°	92.7	87.1	80.8	73.9	67.7	61.2	54.3	48.1	42.1	36.0	30.6
65°	107.8	100.8	94.2	86.2	78.4	70.9	63.3	55.2	48.1	41.4	34.7
62.5°	122.5	114.1	106.2	97.9	89.4	80.8	72.3	63.1	54.2	46.6	39.2
60°	137.0	127.8	117.9	108.6	99.7	90.5	80.9	70.8	61.0	51.8	43.7
57.5°	150.8	141.1	130.0	119.1	109.1	99.5	89.2	78.2	67.6	57.4	48.0
55°	163.7	152.9	141.3	129.5	118.2	107.8	97.0	85.4	74.0	63.0	52.2
52.5°	175.5	164.2	151.9	139.3	127.1	115.7	104.3	92.3	80.1	68.3	56.8
50°	186.6	175.5	162.4	148.9	135.5	123.5	111.5	98.9	86.0	73.5	61.2
47.5°	196.1	185.6	172.9	158.4	144.0	131.1	118.6	105.4	91.5	78.3	65.5
45°	203.9	195.0	182.8	168.1	152.8	139.0	125.5	111.7	97.2	83.0	69.6
42.5°	211.2	202.9	191.8	177.7	161.7	146.9	132.3	117.9	102.7	87.6	73.5
40°	218.6	209.8	200.2	186.0	170.1	154.4	139.1	123.8	108.0	92.0	77.3
37.5°	225.5	216.3	206.7	193.7	177.7	161.5	145.7	129.7	113.0	96.4	80.8
35°	232.5	222.3	212.2	199.8	184.3	167.9	151.9	135.2	117.7	100.5	84.2
32.5°	239.2	227.7	216.9	204.7	190.3	173.7	157.4	140.1	122.1	104.3	87.3
30°	245.3	232.9	221.5	209.5	195.4	178.7	162.1	144.5	126.2	107.8	90.3
27.5°	250.2	237.1	225.8	213.6	199.5	183.3	166.2	148.4	130.0	111.0	93.1
25°	255.1	241.0	229.2	217.4	203.3	187.9	170.1	151.9	133.3	114.0	95.6
22.5°	260.5	244.7	231.8	220.9	207.2	192.3	173.7	155.0	136.1	116.7	97.9
20°	265.2	247.8	233.8	223.7	210.4	195.6	177.2	157.7	138.6	119.1	99.8
17.5°	269.4	251.2	236.5	225.4	212.8	198.4	180.4	160.2	140.7	121.2	101.5
15°	273.8	254.7	238.8	226.7	214.8	200.8	183.3	162.3	142.4	123.0	103.0
12.5°	277.8	257.6	240.7	227.7	216.3	202.7	185.8	164.0	143.7	124.5	104.4
10°	281.0	259.9	242.2	228.5	217.4	204.2	188.0	165.7	145.1	125.6	105.5
7.5°	283.6	261.4	243.1	228.9	218.1	205.3	189.9	167.7	146.3	126.4	106.5
5°	285.4	262.6	244.5	230.2	219.0	206.3	191.2	169.2	147.2	126.8	107.1
2.5°	286.8	263.7	246.0	231.4	219.5	206.8	192.0	170.4	147.7	126.9	107.6
0°	287.3	264.0	247.1	232.3	219.7	207.0	192.2	171.1	147.9	126.7	107.7
-2.5°	286.8	263.7	246.0	231.4	219.5	206.8	192.0	170.4	147.7	126.9	107.6
-5°	285.4	262.6	244.5	230.2	219.0	206.3	191.2	169.2	147.2	126.8	107.1
-7.5°	283.6	261.4	243.1	228.9	218.1	205.3	189.9	167.7	146.3	126.4	106.5
-10°	281.0	259.9	242.2	228.5	217.4	204.2	188.0	165.7	145.1	125.6	105.5
-12.5°	277.8	257.6	240.7	227.7	216.3	202.7	185.8	164.0	143.7	124.5	104.4
-15°	273.8	254.7	238.8	226.7	214.8	200.8	183.3	162.3	142.4	123.0	103.0
-17.5°	269.4	251.2	236.5	225.4	212.8	198.4	180.4	160.2	140.7	121.2	101.5
-20°	265.2	247.8	233.8	223.7	210.4	195.6	177.2	157.7	138.6	119.1	99.8



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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°	260.5	244.7	231.8	220.9	207.2	192.3	173.7	155.0	136.1	116.7	97.9
-25°	255.1	241.0	229.2	217.4	203.3	187.9	170.1	151.9	133.3	114.0	95.6
-27.5°	250.2	237.1	225.8	213.6	199.5	183.3	166.2	148.4	130.0	111.0	93.1
-30°	245.3	232.9	221.5	209.5	195.4	178.7	162.1	144.5	126.2	107.8	90.3
-32.5°	239.2	227.7	216.9	204.7	190.3	173.7	157.4	140.1	122.1	104.3	87.3
-35°	232.5	222.3	212.2	199.8	184.3	167.9	151.9	135.2	117.7	100.5	84.2
-37.5°	225.5	216.3	206.7	193.7	177.7	161.5	145.7	129.7	113.0	96.4	80.8
-40°	218.6	209.8	200.2	186.0	170.1	154.4	139.1	123.8	108.0	92.0	77.3
-42.5°	211.2	202.9	191.8	177.7	161.7	146.9	132.3	117.9	102.7	87.6	73.5
-45°	203.9	195.0	182.8	168.1	152.8	139.0	125.5	111.7	97.2	83.0	69.6
-47.5°	196.1	185.6	172.9	158.4	144.0	131.1	118.6	105.4	91.5	78.3	65.5
-50°	186.6	175.5	162.4	148.9	135.5	123.5	111.5	98.9	86.0	73.5	61.2
-52.5°	175.5	164.2	151.9	139.3	127.1	115.7	104.3	92.3	80.1	68.3	56.8
-55°	163.7	152.9	141.3	129.5	118.2	107.8	97.0	85.4	74.0	63.0	52.2
-57.5°	150.8	141.1	130.0	119.1	109.1	99.5	89.2	78.2	67.6	57.4	48.0
-60°	137.0	127.8	117.9	108.6	99.7	90.5	80.9	70.8	61.0	51.8	43.7
-62.5°	122.5	114.1	106.2	97.9	89.4	80.8	72.3	63.1	54.2	46.6	39.2
-65°	107.8	100.8	94.2	86.2	78.4	70.9	63.3	55.2	48.1	41.4	34.7
-67.5°	92.7	87.1	80.8	73.9	67.7	61.2	54.3	48.1	42.1	36.0	30.6
-70°	79.0	73.5	68.1	63.0	57.5	51.8	46.6	41.4	36.0	31.3	26.4
-72.5°	65.9	61.5	57.0	52.3	48.1	43.7	39.2	34.7	30.6	26.4	22.2
-75°	53.3	49.9	46.5	42.9	39.2	35.5	32.1	28.7	25.2	21.6	18.4
-77.5°	42.0	39.3	36.4	33.7	31.0	28.3	25.5	22.6	19.8	17.3	14.7
-80°	30.9	29.0	27.2	25.3	23.2	21.0	19.1	17.1	15.1	13.0	10.9
-82.5°	20.0	19.2	18.5	17.5	16.1	14.7	13.3	11.8	10.2	8.7	7.6
-85°	12.3	11.7	11.0	10.3	9.3	8.4	7.7	7.1	6.4	5.7	5.0
-87.5°	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.5	3.2	2.9	2.5
-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°	2.2	1.8	1.5	1.1	0.7	0.3	0.0
85°	4.3	3.6	2.9	2.2	1.5	0.6	0.0
82.5°	6.5	5.4	4.4	3.3	2.2	1.0	0.0
80°	8.8	7.2	5.8	4.4	2.9	1.3	0.0
77.5°	12.0	9.3	7.2	5.4	3.6	1.6	0.0
75°	15.2	11.8	8.8	6.5	4.3	1.9	0.0
72.5°	18.3	14.3	10.7	7.6	5.0	2.2	0.0
70°	21.4	16.8	12.6	8.7	5.7	2.5	0.0
67.5°	24.9	19.2	14.4	10.0	6.3	2.8	0.0
65°	28.4	21.8	16.2	11.3	6.9	3.1	0.0
62.5°	31.8	24.6	18.0	12.6	7.5	3.3	0.0
60°	35.1	27.4	19.7	13.8	8.1	3.6	0.0
57.5°	38.8	30.1	21.8	15.0	8.9	3.9	0.0
55°	42.4	32.7	23.9	16.2	9.6	4.1	0.0
52.5°	45.9	35.3	25.9	17.3	10.4	4.3	0.0
50°	49.2	38.1	27.9	18.4	11.1	4.6	0.0
47.5°	52.5	40.8	29.8	19.5	11.8	4.8	0.0
45°	56.0	43.4	31.6	20.8	12.4	5.0	0.0
42.5°	59.4	45.9	33.3	22.1	13.1	5.2	0.0
40°	62.6	48.3	35.1	23.4	13.7	5.3	0.0
37.5°	65.6	50.5	36.9	24.6	14.3	5.5	0.0
35°	68.5	52.8	38.5	25.7	14.8	5.7	0.0
32.5°	71.2	55.0	40.1	26.8	15.4	5.8	0.0
30°	73.7	57.1	41.6	27.8	15.9	5.9	0.0
27.5°	76.0	59.0	43.0	28.8	16.3	6.0	0.0
25°	78.1	60.7	44.3	29.6	16.8	6.1	0.0
22.5°	80.0	62.3	45.5	30.4	17.2	6.2	0.0
20°	81.7	63.7	46.6	31.1	17.6	6.3	0.0
17.5°	83.1	64.9	47.5	31.7	17.9	6.3	0.0
15°	84.3	65.8	48.4	32.3	18.2	6.3	0.0
12.5°	85.2	66.6	49.1	32.7	18.4	6.4	0.0
10°	85.9	67.2	49.7	33.1	18.6	6.4	0.0
7.5°	86.4	67.5	50.1	33.4	18.8	6.4	0.0
5°	86.7	67.7	50.4	33.6	18.9	6.4	0.0
2.5°	86.8	67.7	50.6	33.8	19.0	6.3	0.0
0°	86.6	67.6	50.7	33.8	19.0	6.3	0.0
-2.5°	86.8	67.7	50.6	33.8	19.0	6.3	0.0
-5°	86.7	67.7	50.4	33.6	18.9	6.4	0.0
-7.5°	86.4	67.5	50.1	33.4	18.8	6.4	0.0
-10°	85.9	67.2	49.7	33.1	18.6	6.4	0.0
-12.5°	85.2	66.6	49.1	32.7	18.4	6.4	0.0
-15°	84.3	65.8	48.4	32.3	18.2	6.3	0.0
-17.5°	83.1	64.9	47.5	31.7	17.9	6.3	0.0
-20°	81.7	63.7	46.6	31.1	17.6	6.3	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	80.0	62.3	45.5	30.4	17.2	6.2	0.0
-25°	78.1	60.7	44.3	29.6	16.8	6.1	0.0
-27.5°	76.0	59.0	43.0	28.8	16.3	6.0	0.0
-30°	73.7	57.1	41.6	27.8	15.9	5.9	0.0
-32.5°	71.2	55.0	40.1	26.8	15.4	5.8	0.0
-35°	68.5	52.8	38.5	25.7	14.8	5.7	0.0
-37.5°	65.6	50.5	36.9	24.6	14.3	5.5	0.0
-40°	62.6	48.3	35.1	23.4	13.7	5.3	0.0
-42.5°	59.4	45.9	33.3	22.1	13.1	5.2	0.0
-45°	56.0	43.4	31.6	20.8	12.4	5.0	0.0
-47.5°	52.5	40.8	29.8	19.5	11.8	4.8	0.0
-50°	49.2	38.1	27.9	18.4	11.1	4.6	0.0
-52.5°	45.9	35.3	25.9	17.3	10.4	4.3	0.0
-55°	42.4	32.7	23.9	16.2	9.6	4.1	0.0
-57.5°	38.8	30.1	21.8	15.0	8.9	3.9	0.0
-60°	35.1	27.4	19.7	13.8	8.1	3.6	0.0
-62.5°	31.8	24.6	18.0	12.6	7.5	3.3	0.0
-65°	28.4	21.8	16.2	11.3	6.9	3.1	0.0
-67.5°	24.9	19.2	14.4	10.0	6.3	2.8	0.0
-70°	21.4	16.8	12.6	8.7	5.7	2.5	0.0
-72.5°	18.3	14.3	10.7	7.6	5.0	2.2	0.0
-75°	15.2	11.8	8.8	6.5	4.3	1.9	0.0
-77.5°	12.0	9.3	7.2	5.4	3.6	1.6	0.0
-80°	8.8	7.2	5.8	4.4	2.9	1.3	0.0
-82.5°	6.5	5.4	4.4	3.3	2.2	1.0	0.0
-85°	4.3	3.6	2.9	2.2	1.5	0.6	0.0
-87.5°	2.2	1.8	1.5	1.1	0.7	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)