

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: P627619 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5C-727-U-NR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P627619 (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-SA5C-727-U-NR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, NARROW SYMMETRICAL ROUND N110  
Light Source: (80) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26766.3 lumens  
Efficiency: N/A  
Efficacy: 129.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 3H x 3V  
Max Intensity: 252071.8 candela  
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 13.7°H x 13.6°V  
Beam Lumens: 7913.6 lumens  
Beam Efficiency: 29.6%

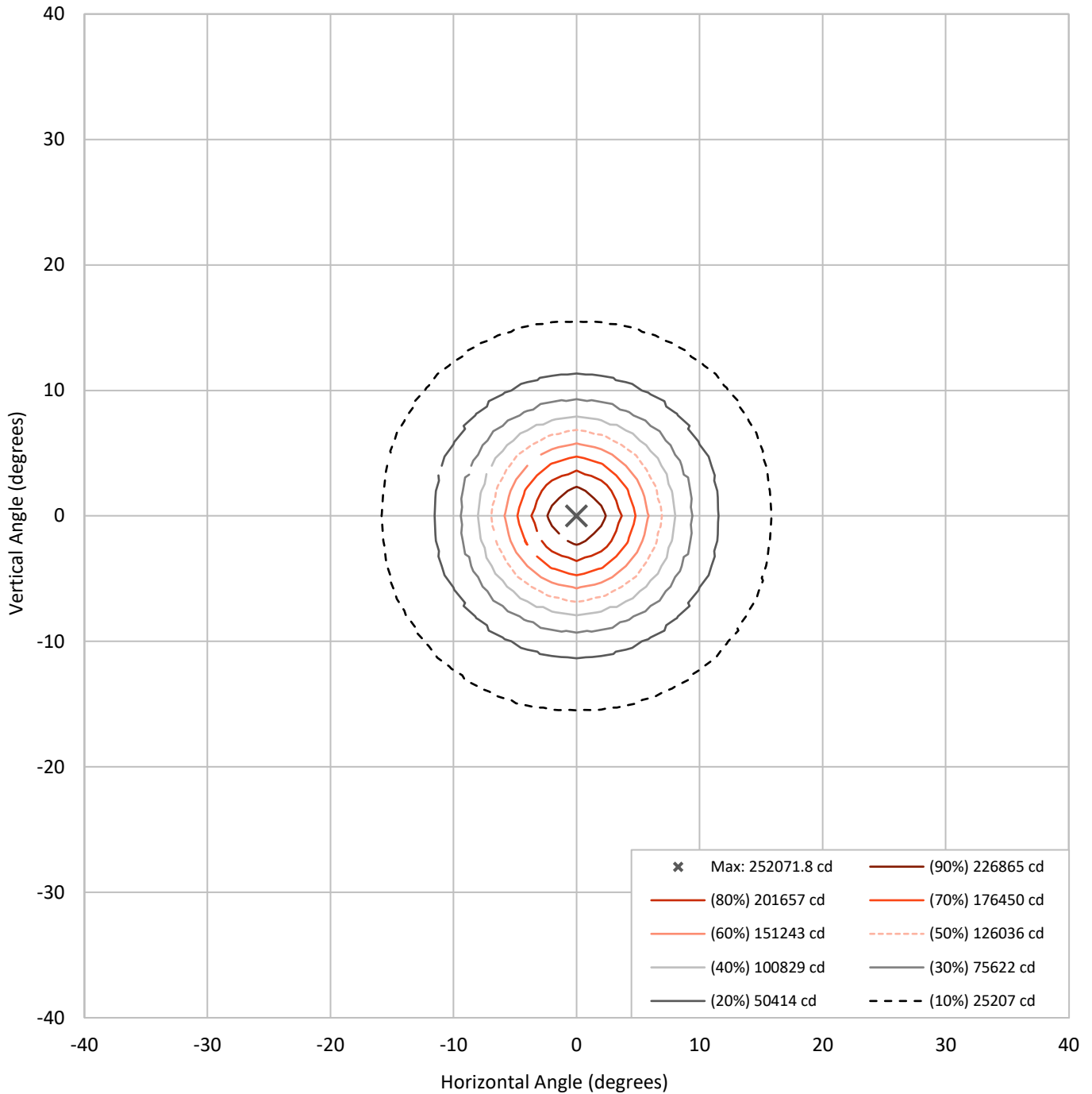
Field Angle (10%): 31.6°H x 30.6°V  
Field Lumens: 17808.9 lumens  
Field Efficiency: 66.5%

Input Watts (W): 206.13  
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





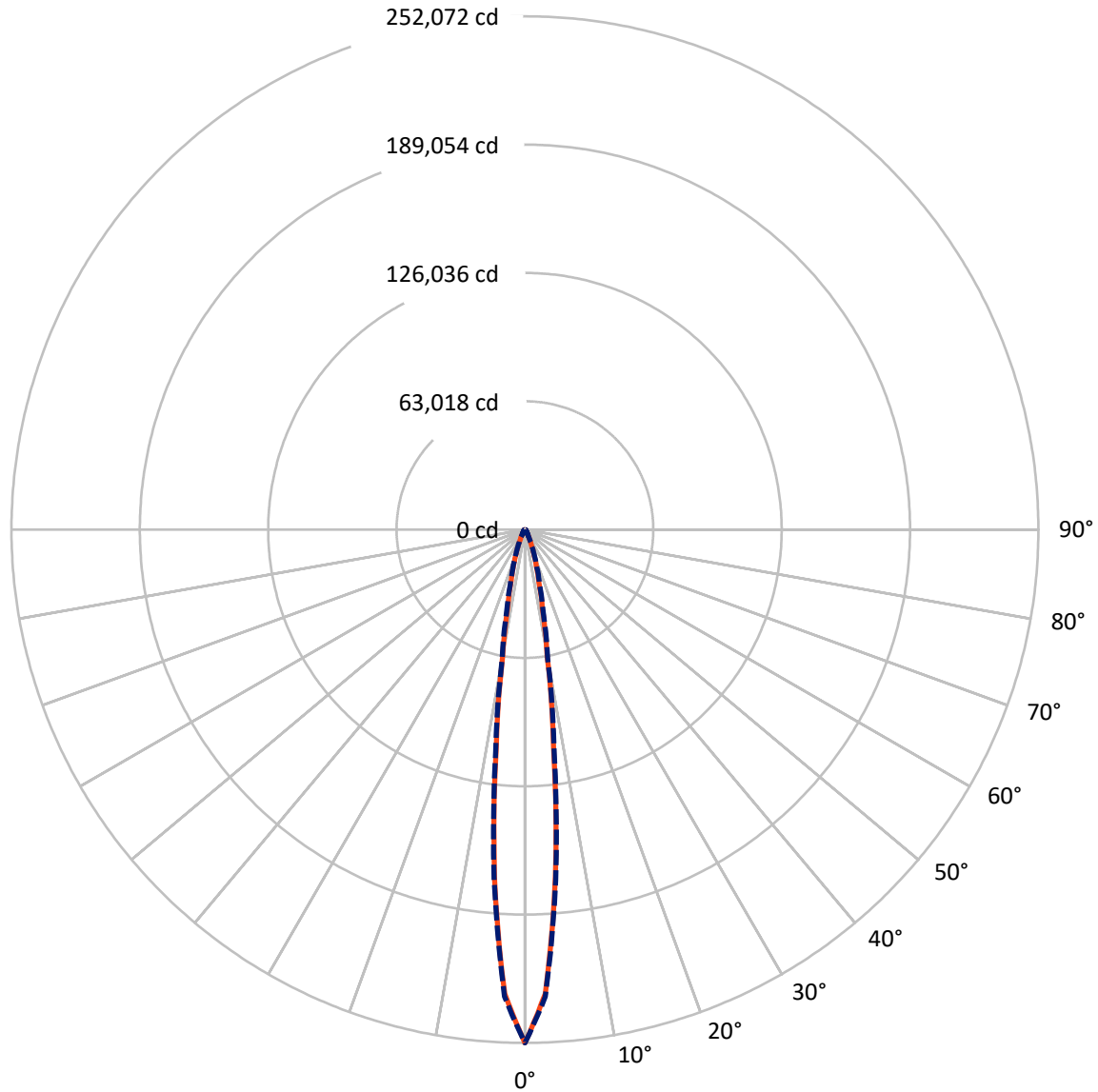
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### Lumen Table

90																			
80	0.5	3.7		9.6		15.6		17.0		15.6		9.6		3.7		0.5			
70																			
60	1.7	1.9	3.9	6.3	9.0	11.0	12.4	12.9	12.9	12.4	11.0	9.0	6.3	3.9	1.9	1.7			
		2.8	5.8	9.4	12.7	15.4	17.3	18.0	18.0	17.3	15.4	12.7	9.4	5.8	2.8				
50																			
40	2.9	3.7	7.5	11.6	15.5	19.4	22.9	24.7	24.7	22.9	19.4	15.5	11.6	7.5	3.7	2.9			
		4.5	8.9	13.4	19.0	27.4	38.6	47.8	47.8	38.6	27.4	19.0	13.4	8.9	4.5				
30																			
20	3.8	5.0	9.7	15.1	24.6	48.9	111.4	184.3	184.3	111.4	48.9	24.6	15.1	9.7	5.0	3.8			
		5.4	10.2	16.7	32.7	103.8	368.7	794.2	794.2	368.7	103.8	32.7	16.7	10.2	5.4				
10																			
0	4.1	5.6	10.4	17.7	39.5	171.1	801.6	3462.8	3462.8	801.6	171.1	39.5	17.7	10.4	5.6	4.1			
		5.6	10.4	17.7	39.5	171.1	801.6	3462.8	3462.8	801.6	171.1	39.5	17.7	10.4	5.6				
-10																			
-20	3.8	5.4	10.2	16.7	32.7	103.8	368.7	794.2	794.2	368.7	103.8	32.7	16.7	10.2	5.4	3.8			
		5.0	9.7	15.1	24.6	48.9	111.4	184.3	184.3	111.4	48.9	24.6	15.1	9.7	5.0				
-30																			
-40	2.9	4.5	8.9	13.4	19.0	27.4	38.6	47.8	47.8	38.6	27.4	19.0	13.4	8.9	4.5	2.9			
		3.7	7.5	11.6	15.5	19.4	22.9	24.7	24.7	22.9	19.4	15.5	11.6	7.5	3.7				
-50																			
-60	1.7	2.8	5.8	9.4	12.7	15.4	17.3	18.0	18.0	17.3	15.4	12.7	9.4	5.8	2.8	1.7			
		1.9	3.9	6.3	9.0	11.0	12.4	12.9	12.9	12.4	11.0	9.0	6.3	3.9	1.9				
-70																			
-80	0.5	3.7		9.6		15.6		17.0		15.6		9.6		3.7		0.5			
-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

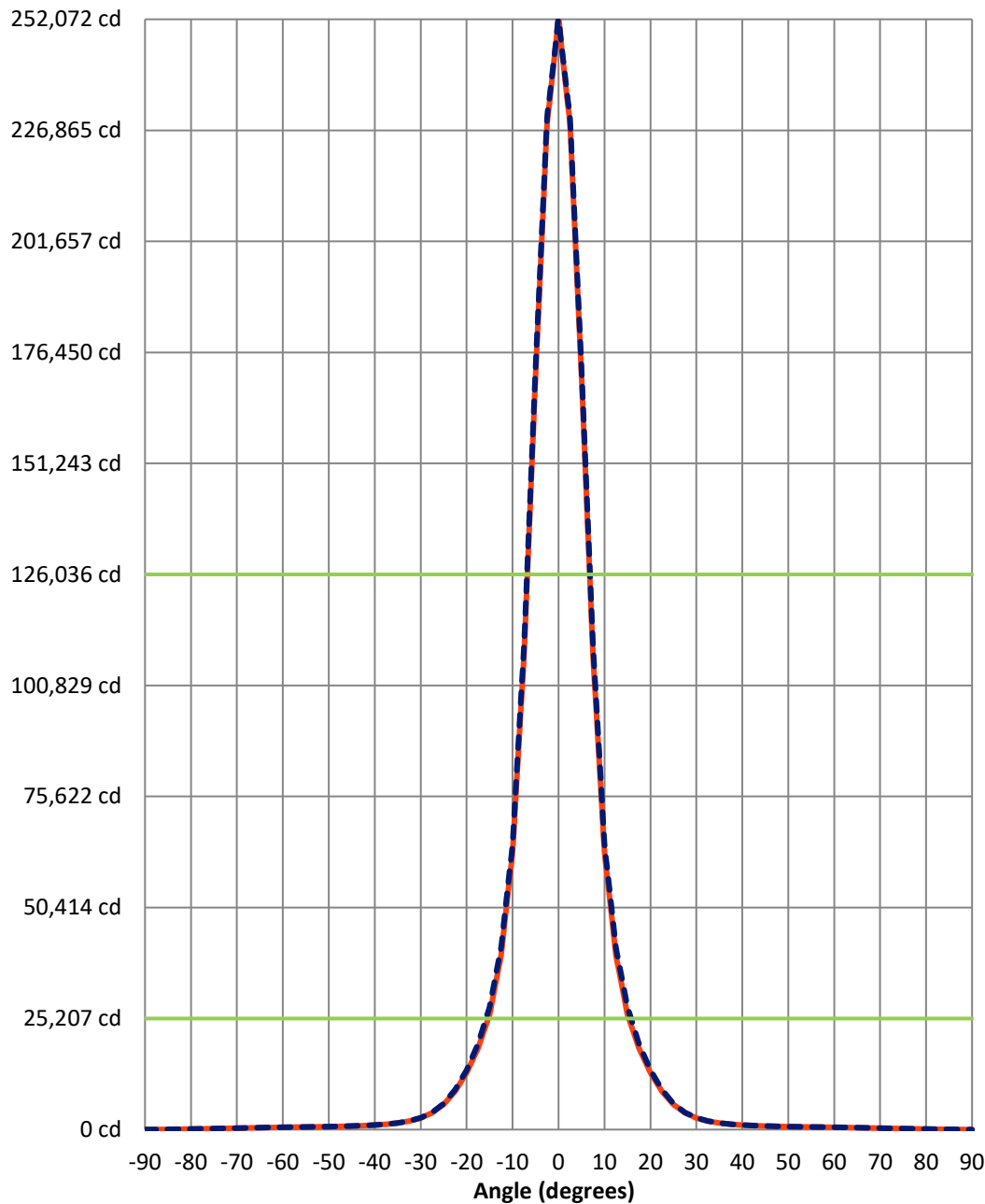


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 13.7°  
 V Angle: 13.6°  
 Lumens: 7913.6  
 Efficiency: 29.6%

**Field:**  
 H Angle: 31.6°  
 V Angle: 30.6°  
 Lumens: 17808.9  
 Efficiency: 66.5%

**Spill:**  
 Lumens: 8957.5  
 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	0.8	1.9	2.8	3.7	4.7	5.6	6.5	7.4	8.3	9.1
85°	0.0	1.6	3.8	5.6	7.5	9.3	11.2	13.0	14.8	16.5	18.2
82.5°	0.0	2.5	5.6	8.4	11.2	14.0	16.7	19.4	22.4	26.3	30.2
80°	0.0	3.3	7.5	11.2	14.9	18.6	22.6	28.0	33.3	38.6	43.7
77.5°	0.0	4.1	9.3	14.0	18.6	23.9	30.8	37.6	44.2	50.8	57.8
75°	0.0	4.9	11.1	16.7	22.5	30.4	38.8	47.1	55.2	64.3	73.3
72.5°	0.0	5.6	12.8	19.4	27.4	36.7	46.8	56.8	67.7	78.3	88.8
70°	0.0	6.4	14.5	22.3	32.2	43.0	54.7	67.7	80.0	92.2	105.8
67.5°	0.0	7.2	16.2	25.7	37.0	49.1	63.8	78.3	92.2	107.7	123.0
65°	0.0	7.9	17.8	29.0	41.6	55.8	72.6	88.8	105.8	123.0	141.1
62.5°	0.0	8.6	19.4	32.3	46.0	63.0	81.3	100.1	119.2	138.7	161.4
60°	0.0	9.3	20.9	35.4	50.4	70.1	89.8	111.6	132.3	156.1	181.1
57.5°	0.0	9.9	22.8	38.5	55.8	77.0	99.1	122.8	146.7	173.0	200.1
55°	0.0	10.6	24.7	41.4	61.2	83.7	108.3	133.5	161.0	189.3	218.5
52.5°	0.0	11.2	26.6	44.2	66.3	90.3	117.2	145.1	174.7	204.9	236.0
50°	0.0	11.7	28.4	47.0	71.4	97.5	125.8	156.5	187.8	219.8	252.9
47.5°	0.0	12.3	30.1	49.8	76.2	104.4	134.3	167.4	200.3	234.0	269.5
45°	0.0	12.8	31.8	53.2	80.8	111.0	143.3	177.9	212.4	248.5	285.6
42.5°	0.0	13.3	33.5	56.5	85.2	117.4	151.9	188.0	223.9	262.7	301.3
40°	0.0	13.7	35.0	59.8	89.7	123.4	160.1	197.6	235.2	276.3	316.6
37.5°	0.0	14.2	36.5	62.9	94.2	129.1	167.8	206.7	246.5	289.0	331.4
35°	0.0	14.5	38.0	65.8	98.5	134.9	175.2	215.3	257.0	301.0	345.7
32.5°	0.0	14.9	39.3	68.6	102.5	140.6	182.0	223.3	266.7	312.3	358.1
30°	0.0	15.2	40.6	71.1	106.3	145.9	188.4	230.9	275.6	322.7	369.4
27.5°	0.0	15.5	41.8	73.5	109.9	150.8	194.3	238.0	283.8	332.3	379.5
25°	0.0	15.7	42.9	75.7	113.3	155.3	199.7	244.5	291.5	340.7	388.4
22.5°	0.0	15.9	44.0	77.7	116.3	159.3	204.6	250.2	298.4	348.1	396.2
20°	0.0	16.1	44.9	79.5	119.1	162.8	209.0	255.3	304.6	354.3	403.3
17.5°	0.0	16.2	45.7	81.1	121.5	165.8	212.6	259.6	310.0	359.6	409.5
15°	0.0	16.3	46.5	82.5	123.7	168.3	215.5	263.4	314.5	364.0	414.9
12.5°	0.0	16.4	47.1	83.7	125.5	170.2	217.9	266.9	318.3	367.3	419.4
10°	0.0	16.4	47.6	84.7	126.9	171.7	219.7	269.8	321.3	370.9	423.7
7.5°	0.0	16.4	48.1	85.4	128.1	172.6	221.0	272.2	323.3	373.9	428.6
5°	0.0	16.4	48.4	86.0	128.9	173.1	221.7	274.0	324.4	376.1	432.7
2.5°	0.0	16.3	48.5	86.3	129.4	173.2	221.8	275.0	324.6	377.5	435.6
0°	0.0	16.2	48.6	86.4	129.6	172.8	221.4	275.4	324.0	378.0	437.5
-2.5°	0.0	16.3	48.5	86.3	129.4	173.2	221.8	275.0	324.6	377.5	435.6
-5°	0.0	16.4	48.4	86.0	128.9	173.1	221.7	274.0	324.4	376.1	432.7
-7.5°	0.0	16.4	48.1	85.4	128.1	172.6	221.0	272.2	323.3	373.9	428.6
-10°	0.0	16.4	47.6	84.7	126.9	171.7	219.7	269.8	321.3	370.9	423.7
-12.5°	0.0	16.4	47.1	83.7	125.5	170.2	217.9	266.9	318.3	367.3	419.4
-15°	0.0	16.3	46.5	82.5	123.7	168.3	215.5	263.4	314.5	364.0	414.9
-17.5°	0.0	16.2	45.7	81.1	121.5	165.8	212.6	259.6	310.0	359.6	409.5
-20°	0.0	16.1	44.9	79.5	119.1	162.8	209.0	255.3	304.6	354.3	403.3

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CATALOG NUMBER: GFLD-SA5C-727-U-NR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	15.9	44.0	77.7	116.3	159.3	204.6	250.2	298.4	348.1	396.2
-25°	0.0	15.7	42.9	75.7	113.3	155.3	199.7	244.5	291.5	340.7	388.4
-27.5°	0.0	15.5	41.8	73.5	109.9	150.8	194.3	238.0	283.8	332.3	379.5
-30°	0.0	15.2	40.6	71.1	106.3	145.9	188.4	230.9	275.6	322.7	369.4
-32.5°	0.0	14.9	39.3	68.6	102.5	140.6	182.0	223.3	266.7	312.3	358.1
-35°	0.0	14.5	38.0	65.8	98.5	134.9	175.2	215.3	257.0	301.0	345.7
-37.5°	0.0	14.2	36.5	62.9	94.2	129.1	167.8	206.7	246.5	289.0	331.4
-40°	0.0	13.7	35.0	59.8	89.7	123.4	160.1	197.6	235.2	276.3	316.6
-42.5°	0.0	13.3	33.5	56.5	85.2	117.4	151.9	188.0	223.9	262.7	301.3
-45°	0.0	12.8	31.8	53.2	80.8	111.0	143.3	177.9	212.4	248.5	285.6
-47.5°	0.0	12.3	30.1	49.8	76.2	104.4	134.3	167.4	200.3	234.0	269.5
-50°	0.0	11.7	28.4	47.0	71.4	97.5	125.8	156.5	187.8	219.8	252.9
-52.5°	0.0	11.2	26.6	44.2	66.3	90.3	117.2	145.1	174.7	204.9	236.0
-55°	0.0	10.6	24.7	41.4	61.2	83.7	108.3	133.5	161.0	189.3	218.5
-57.5°	0.0	9.9	22.8	38.5	55.8	77.0	99.1	122.8	146.7	173.0	200.1
-60°	0.0	9.3	20.9	35.4	50.4	70.1	89.8	111.6	132.3	156.1	181.1
-62.5°	0.0	8.6	19.4	32.3	46.0	63.0	81.3	100.1	119.2	138.7	161.4
-65°	0.0	7.9	17.8	29.0	41.6	55.8	72.6	88.8	105.8	123.0	141.1
-67.5°	0.0	7.2	16.2	25.7	37.0	49.1	63.8	78.3	92.2	107.7	123.0
-70°	0.0	6.4	14.5	22.3	32.2	43.0	54.7	67.7	80.0	92.2	105.8
-72.5°	0.0	5.6	12.8	19.4	27.4	36.7	46.8	56.8	67.7	78.3	88.8
-75°	0.0	4.9	11.1	16.7	22.5	30.4	38.8	47.1	55.2	64.3	73.3
-77.5°	0.0	4.1	9.3	14.0	18.6	23.9	30.8	37.6	44.2	50.8	57.8
-80°	0.0	3.3	7.5	11.2	14.9	18.6	22.6	28.0	33.3	38.6	43.7
-82.5°	0.0	2.5	5.6	8.4	11.2	14.0	16.7	19.4	22.4	26.3	30.2
-85°	0.0	1.6	3.8	5.6	7.5	9.3	11.2	13.0	14.8	16.5	18.2
-87.5°	0.0	0.8	1.9	2.8	3.7	4.7	5.6	6.5	7.4	8.3	9.1
-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°	10.0	10.8	11.6	12.4	13.1	13.9	14.6	15.3	15.9	16.5	17.1
85°	19.9	21.6	24.0	26.3	28.3	30.1	31.6	32.8	35.0	37.3	39.8
82.5°	34.0	37.7	41.3	44.8	47.3	49.2	51.1	53.8	58.6	63.2	67.4
80°	48.8	53.8	59.3	64.8	69.5	74.2	79.1	84.1	89.4	94.3	99.0
77.5°	65.1	72.3	79.4	86.2	93.0	100.4	107.5	114.3	120.9	127.1	133.1
75°	82.2	90.8	100.3	109.7	118.8	127.7	136.4	145.6	154.5	162.9	170.9
72.5°	100.1	111.6	122.9	133.8	145.7	157.3	168.5	179.3	189.8	200.8	212.4
70°	119.2	132.3	147.0	161.0	174.2	188.1	201.9	213.8	225.2	240.3	255.9
67.5°	138.8	156.6	173.1	188.9	206.5	222.8	237.0	252.1	268.3	285.8	301.1
65°	162.0	181.3	200.5	220.5	240.8	257.8	275.5	294.2	312.6	330.0	346.7
62.5°	184.8	206.6	228.7	250.5	271.4	291.8	313.1	334.0	354.1	374.5	392.4
60°	206.8	231.5	254.8	277.6	301.4	326.6	350.3	373.4	397.6	420.7	432.7
57.5°	228.1	254.5	278.8	304.4	332.3	360.8	385.7	412.0	432.7	448.6	464.2
55°	248.0	275.5	302.2	331.0	361.2	391.0	418.6	442.0	461.1	475.7	492.2
52.5°	266.7	295.7	324.8	356.2	388.4	420.0	449.0	470.9	488.0	503.0	518.5
50°	285.1	315.5	346.3	380.8	415.2	448.9	477.2	497.2	513.5	528.8	544.7
47.5°	303.2	335.1	368.2	405.0	442.3	474.8	501.6	519.9	536.3	554.3	571.8
45°	320.9	355.5	390.6	430.0	467.4	498.8	521.6	540.0	560.2	579.6	598.3
42.5°	338.2	375.5	413.6	454.4	490.6	518.8	540.1	561.8	583.6	604.4	625.4
40°	355.7	394.8	435.1	475.7	512.1	536.5	559.0	582.4	606.4	629.0	652.3
37.5°	372.4	412.9	454.4	495.4	528.5	553.2	576.7	602.5	627.8	652.4	682.8
35°	388.3	429.3	471.2	510.9	542.8	568.4	594.6	621.7	648.2	680.1	714.7
32.5°	402.6	444.1	486.6	523.6	554.8	582.4	611.7	640.0	671.9	708.0	749.6
30°	414.5	457.1	499.7	535.8	566.3	595.5	627.3	658.6	695.9	739.2	788.7
27.5°	425.1	468.7	510.1	546.3	577.3	606.3	639.8	679.3	722.1	770.7	828.8
25°	434.9	480.4	519.9	555.9	586.0	616.4	652.3	695.9	747.4	805.9	877.1
22.5°	444.2	491.7	530.0	564.9	592.9	625.7	666.1	713.6	769.6	838.1	924.7
20°	453.0	500.1	538.0	572.1	598.0	633.8	678.3	729.0	792.6	874.4	974.6
17.5°	461.2	507.4	544.2	576.3	604.8	642.4	689.0	741.6	812.7	907.3	1020.4
15°	468.6	513.4	549.2	579.7	610.8	651.5	700.3	757.2	834.8	938.7	1060.9
12.5°	475.2	518.3	553.1	582.4	615.6	658.8	710.2	773.4	858.7	969.6	1112.4
10°	480.8	522.0	555.8	584.2	619.2	664.5	718.5	786.6	877.6	993.5	1151.9
7.5°	485.6	525.0	557.7	585.2	621.6	668.5	725.0	796.7	890.9	1010.5	1180.5
5°	488.9	527.4	559.9	588.6	625.2	671.6	729.8	803.5	898.7	1020.6	1198.3
2.5°	490.9	528.8	561.2	591.7	629.2	674.3	733.3	811.1	905.0	1030.4	1211.9
0°	491.5	529.3	561.7	594.1	631.9	675.1	734.5	815.5	907.3	1036.9	1220.6
-2.5°	490.9	528.8	561.2	591.7	629.2	674.3	733.3	811.1	905.0	1030.4	1211.9
-5°	488.9	527.4	559.9	588.6	625.2	671.6	729.8	803.5	898.7	1020.6	1198.3
-7.5°	485.6	525.0	557.7	585.2	621.6	668.5	725.0	796.7	890.9	1010.5	1180.5
-10°	480.8	522.0	555.8	584.2	619.2	664.5	718.5	786.6	877.6	993.5	1151.9
-12.5°	475.2	518.3	553.1	582.4	615.6	658.8	710.2	773.4	858.7	969.6	1112.4
-15°	468.6	513.4	549.2	579.7	610.8	651.5	700.3	757.2	834.8	938.7	1060.9
-17.5°	461.2	507.4	544.2	576.3	604.8	642.4	689.0	741.6	812.7	907.3	1020.4
-20°	453.0	500.1	538.0	572.1	598.0	633.8	678.3	729.0	792.6	874.4	974.6

Classified

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

Scaled Data Report



REPORT NUMBER: P627619 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5C-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°	444.2	491.7	530.0	564.9	592.9	625.7	666.1	713.6	769.6	838.1	924.7
-25°	434.9	480.4	519.9	555.9	586.0	616.4	652.3	695.9	747.4	805.9	877.1
-27.5°	425.1	468.7	510.1	546.3	577.3	606.3	639.8	679.3	722.1	770.7	828.8
-30°	414.5	457.1	499.7	535.8	566.3	595.5	627.3	658.6	695.9	739.2	788.7
-32.5°	402.6	444.1	486.6	523.6	554.8	582.4	611.7	640.0	671.9	708.0	749.6
-35°	388.3	429.3	471.2	510.9	542.8	568.4	594.6	621.7	648.2	680.1	714.7
-37.5°	372.4	412.9	454.4	495.4	528.5	553.2	576.7	602.5	627.8	652.4	682.8
-40°	355.7	394.8	435.1	475.7	512.1	536.5	559.0	582.4	606.4	629.0	652.3
-42.5°	338.2	375.5	413.6	454.4	490.6	518.8	540.1	561.8	583.6	604.4	625.4
-45°	320.9	355.5	390.6	430.0	467.4	498.8	521.6	540.0	560.2	579.6	598.3
-47.5°	303.2	335.1	368.2	405.0	442.3	474.8	501.6	519.9	536.3	554.3	571.8
-50°	285.1	315.5	346.3	380.8	415.2	448.9	477.2	497.2	513.5	528.8	544.7
-52.5°	266.7	295.7	324.8	356.2	388.4	420.0	449.0	470.9	488.0	503.0	518.5
-55°	248.0	275.5	302.2	331.0	361.2	391.0	418.6	442.0	461.1	475.7	492.2
-57.5°	228.1	254.5	278.8	304.4	332.3	360.8	385.7	412.0	432.7	448.6	464.2
-60°	206.8	231.5	254.8	277.6	301.4	326.6	350.3	373.4	397.6	420.7	432.7
-62.5°	184.8	206.6	228.7	250.5	271.4	291.8	313.1	334.0	354.1	374.5	392.4
-65°	162.0	181.3	200.5	220.5	240.8	257.8	275.5	294.2	312.6	330.0	346.7
-67.5°	138.8	156.6	173.1	188.9	206.5	222.8	237.0	252.1	268.3	285.8	301.1
-70°	119.2	132.3	147.0	161.0	174.2	188.1	201.9	213.8	225.2	240.3	255.9
-72.5°	100.1	111.6	122.9	133.8	145.7	157.3	168.5	179.3	189.8	200.8	212.4
-75°	82.2	90.8	100.3	109.7	118.8	127.7	136.4	145.6	154.5	162.9	170.9
-77.5°	65.1	72.3	79.4	86.2	93.0	100.4	107.5	114.3	120.9	127.1	133.1
-80°	48.8	53.8	59.3	64.8	69.5	74.2	79.1	84.1	89.4	94.3	99.0
-82.5°	34.0	37.7	41.3	44.8	47.3	49.2	51.1	53.8	58.6	63.2	67.4
-85°	19.9	21.6	24.0	26.3	28.3	30.1	31.6	32.8	35.0	37.3	39.8
-87.5°	10.0	10.8	11.6	12.4	13.1	13.9	14.6	15.3	15.9	16.5	17.1
-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: P627619 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-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°	17.7	18.2	18.7	19.2	19.6	20.0	20.3	20.6	20.9	19.8	18.6
85°	42.2	43.8	45.3	46.7	47.9	49.1	50.1	51.0	51.8	51.1	50.3
82.5°	71.1	74.0	76.5	78.9	81.1	83.1	84.9	86.5	87.9	87.8	87.4
80°	103.5	108.1	112.8	117.4	121.9	124.6	126.6	128.1	129.2	129.6	129.7
77.5°	139.1	146.3	153.8	161.1	168.3	172.5	175.4	177.9	179.8	180.3	179.9
75°	178.6	187.8	198.0	206.9	214.7	219.4	222.7	225.5	227.7	228.3	228.0
72.5°	224.4	235.8	245.0	252.5	259.0	264.1	268.3	271.8	274.6	275.8	276.0
70°	269.5	280.8	289.5	297.1	303.5	308.8	313.8	318.0	321.5	324.1	326.0
67.5°	315.3	328.1	337.0	344.0	349.4	355.0	361.6	367.3	372.0	375.2	376.8
65°	362.2	375.5	384.1	391.7	398.4	405.4	412.7	418.1	421.6	423.8	425.3
62.5°	407.7	420.1	430.9	441.0	450.6	458.6	463.7	468.2	472.0	475.2	477.7
60°	446.7	462.6	474.7	484.3	493.7	502.8	509.0	513.8	517.7	520.5	522.3
57.5°	480.1	496.1	510.4	519.8	530.0	540.9	548.0	552.1	555.9	559.2	560.7
55°	509.2	524.0	537.2	550.0	561.4	571.2	578.8	584.4	589.0	592.7	593.9
52.5°	535.4	551.6	567.0	580.6	591.8	601.2	608.7	615.6	620.9	624.4	626.0
50°	562.9	580.3	596.9	611.7	623.3	633.8	643.2	651.3	659.0	665.2	669.6
47.5°	590.0	608.6	626.8	643.1	657.0	672.2	685.9	697.4	708.7	717.9	724.2
45°	617.3	638.7	658.6	679.6	698.4	718.4	736.9	752.8	769.2	781.6	790.0
42.5°	647.6	671.9	695.9	722.1	747.7	773.7	801.7	826.8	846.1	864.2	878.9
40°	680.1	708.0	739.2	771.3	809.1	843.4	881.1	913.4	942.7	973.6	998.2
37.5°	714.7	749.6	790.6	833.6	882.5	929.4	978.6	1027.0	1069.2	1119.0	1157.0
35°	753.1	799.6	850.1	908.2	969.1	1036.3	1103.6	1181.4	1248.4	1322.1	1386.3
32.5°	798.4	853.9	920.2	996.9	1075.1	1177.1	1272.4	1396.2	1503.3	1620.2	1737.9
30°	845.0	917.6	1003.2	1099.8	1224.1	1364.3	1520.6	1704.8	1894.8	2078.6	2300.3
27.5°	902.8	990.4	1094.0	1235.3	1418.2	1607.7	1876.4	2153.0	2502.2	2791.0	3198.1
25°	962.9	1065.9	1213.2	1405.4	1644.0	1972.9	2380.7	2822.7	3437.0	3976.7	4609.7
22.5°	1028.3	1167.4	1350.6	1587.8	1949.7	2454.5	3072.0	3904.1	4810.2	5772.2	6729.1
20°	1096.4	1264.7	1504.8	1848.6	2345.2	3028.9	4088.9	5373.5	6667.9	8255.3	9660.9
17.5°	1175.3	1389.5	1685.4	2115.3	2778.0	3825.3	5295.8	7089.1	9097.4	11379.7	13406.1
15°	1241.0	1496.4	1869.9	2471.3	3382.8	4727.7	6582.2	9049.3	12067.1	15132.3	18242.1
12.5°	1317.3	1612.8	2051.3	2768.5	3913.2	5700.7	8225.0	11347.6	15116.6	19368.1	24380.1
10°	1385.0	1727.0	2272.1	3159.8	4558.8	6715.5	9779.0	13535.6	18399.6	24516.5	32278.0
7.5°	1435.2	1817.8	2442.6	3457.7	5117.0	7691.1	11247.3	15931.7	22112.1	30189.6	40841.7
5°	1467.8	1883.6	2563.2	3687.6	5553.9	8417.2	12323.3	17631.2	25087.4	36511.6	54549.4
2.5°	1487.3	1922.5	2632.1	3822.4	5819.6	8898.3	13141.9	18916.3	27015.6	40418.7	63366.1
0°	1496.0	1933.4	2673.3	3893.9	5908.4	9084.0	13517.9	19501.9	27878.4	41331.5	64916.3
-2.5°	1487.3	1922.5	2632.1	3822.4	5819.6	8898.3	13141.9	18916.3	27015.6	40418.7	63366.1
-5°	1467.8	1883.6	2563.2	3687.6	5553.9	8417.2	12323.3	17631.2	25087.4	36511.6	54549.4
-7.5°	1435.2	1817.8	2442.6	3457.7	5117.0	7691.1	11247.3	15931.7	22112.1	30189.6	40841.7
-10°	1385.0	1727.0	2272.1	3159.8	4558.8	6715.5	9779.0	13535.6	18399.6	24516.5	32278.0
-12.5°	1317.3	1612.8	2051.3	2768.5	3913.2	5700.7	8225.0	11347.6	15116.6	19368.1	24380.1
-15°	1241.0	1496.4	1869.9	2471.3	3382.8	4727.7	6582.2	9049.3	12067.1	15132.3	18242.1
-17.5°	1175.3	1389.5	1685.4	2115.3	2778.0	3825.3	5295.8	7089.1	9097.4	11379.7	13406.1
-20°	1096.4	1264.7	1504.8	1848.6	2345.2	3028.9	4088.9	5373.5	6667.9	8255.3	9660.9

Classified

Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627619 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5C-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°	1028.3	1167.4	1350.6	1587.8	1949.7	2454.5	3072.0	3904.1	4810.2	5772.2	6729.1
-25°	962.9	1065.9	1213.2	1405.4	1644.0	1972.9	2380.7	2822.7	3437.0	3976.7	4609.7
-27.5°	902.8	990.4	1094.0	1235.3	1418.2	1607.7	1876.4	2153.0	2502.2	2791.0	3198.1
-30°	845.0	917.6	1003.2	1099.8	1224.1	1364.3	1520.6	1704.8	1894.8	2078.6	2300.3
-32.5°	798.4	853.9	920.2	996.9	1075.1	1177.1	1272.4	1396.2	1503.3	1620.2	1737.9
-35°	753.1	799.6	850.1	908.2	969.1	1036.3	1103.6	1181.4	1248.4	1322.1	1386.3
-37.5°	714.7	749.6	790.6	833.6	882.5	929.4	978.6	1027.0	1069.2	1119.0	1157.0
-40°	680.1	708.0	739.2	771.3	809.1	843.4	881.1	913.4	942.7	973.6	998.2
-42.5°	647.6	671.9	695.9	722.1	747.7	773.7	801.7	826.8	846.1	864.2	878.9
-45°	617.3	638.7	658.6	679.6	698.4	718.4	736.9	752.8	769.2	781.6	790.0
-47.5°	590.0	608.6	626.8	643.1	657.0	672.2	685.9	697.4	708.7	717.9	724.2
-50°	562.9	580.3	596.9	611.7	623.3	633.8	643.2	651.3	659.0	665.2	669.6
-52.5°	535.4	551.6	567.0	580.6	591.8	601.2	608.7	615.6	620.9	624.4	626.0
-55°	509.2	524.0	537.2	550.0	561.4	571.2	578.8	584.4	589.0	592.7	593.9
-57.5°	480.1	496.1	510.4	519.8	530.0	540.9	548.0	552.1	555.9	559.2	560.7
-60°	446.7	462.6	474.7	484.3	493.7	502.8	509.0	513.8	517.7	520.5	522.3
-62.5°	407.7	420.1	430.9	441.0	450.6	458.6	463.7	468.2	472.0	475.2	477.7
-65°	362.2	375.5	384.1	391.7	398.4	405.4	412.7	418.1	421.6	423.8	425.3
-67.5°	315.3	328.1	337.0	344.0	349.4	355.0	361.6	367.3	372.0	375.2	376.8
-70°	269.5	280.8	289.5	297.1	303.5	308.8	313.8	318.0	321.5	324.1	326.0
-72.5°	224.4	235.8	245.0	252.5	259.0	264.1	268.3	271.8	274.6	275.8	276.0
-75°	178.6	187.8	198.0	206.9	214.7	219.4	222.7	225.5	227.7	228.3	228.0
-77.5°	139.1	146.3	153.8	161.1	168.3	172.5	175.4	177.9	179.8	180.3	179.9
-80°	103.5	108.1	112.8	117.4	121.9	124.6	126.6	128.1	129.2	129.6	129.7
-82.5°	71.1	74.0	76.5	78.9	81.1	83.1	84.9	86.5	87.9	87.8	87.4
-85°	42.2	43.8	45.3	46.7	47.9	49.1	50.1	51.0	51.8	51.1	50.3
-87.5°	17.7	18.2	18.7	19.2	19.6	20.0	20.3	20.6	20.9	19.8	18.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627619 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-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°	17.4	16.1	16.2	16.2	16.2	16.1	17.4	18.6	19.8	20.9	20.6
85°	49.4	48.4	48.5	48.6	48.5	48.4	49.4	50.3	51.1	51.8	51.0
82.5°	86.8	86.0	86.3	86.4	86.3	86.0	86.8	87.4	87.8	87.9	86.5
80°	129.5	129.0	126.8	124.2	126.8	129.0	129.5	129.7	129.6	129.2	128.1
77.5°	178.9	177.4	175.3	172.8	175.3	177.4	178.9	179.9	180.3	179.8	177.9
75°	227.2	225.9	226.5	226.8	226.5	225.9	227.2	228.0	228.3	227.7	225.5
72.5°	275.5	274.3	275.1	275.4	275.1	274.3	275.5	276.0	275.8	274.6	271.8
70°	327.3	327.9	326.5	324.0	326.5	327.9	327.3	326.0	324.1	321.5	318.0
67.5°	377.3	376.7	375.1	372.6	375.1	376.7	377.3	376.8	375.2	372.0	367.3
65°	425.8	425.3	426.2	426.7	426.2	425.3	425.8	425.3	423.8	421.6	418.1
62.5°	478.9	478.9	477.8	475.3	477.8	478.9	478.9	477.7	475.2	472.0	468.2
60°	523.0	522.6	521.1	518.5	521.1	522.6	523.0	522.3	520.5	517.7	513.8
57.5°	561.2	560.6	559.0	556.3	559.0	560.6	561.2	560.7	559.2	555.9	552.1
55°	594.1	593.3	591.5	588.7	591.5	593.3	594.1	593.9	592.7	589.0	584.4
52.5°	626.4	625.7	625.9	626.5	625.9	625.7	626.4	626.0	624.4	620.9	615.6
50°	672.3	673.2	672.4	669.7	672.4	673.2	672.3	669.6	665.2	659.0	651.3
47.5°	727.2	727.6	726.3	723.7	726.3	727.6	727.2	724.2	717.9	708.7	697.4
45°	796.5	800.4	801.5	799.3	801.5	800.4	796.5	790.0	781.6	769.2	752.8
42.5°	890.3	896.4	898.2	896.5	898.2	896.4	890.3	878.9	864.2	846.1	826.8
40°	1013.4	1020.3	1021.7	1020.7	1021.7	1020.3	1013.4	998.2	973.6	942.7	913.4
37.5°	1183.8	1200.8	1208.9	1209.8	1208.9	1200.8	1183.8	1157.0	1119.0	1069.2	1027.0
35°	1435.2	1469.1	1487.2	1496.0	1487.2	1469.1	1435.2	1386.3	1322.1	1248.4	1181.4
32.5°	1827.1	1895.0	1932.6	1928.0	1932.6	1895.0	1827.1	1737.9	1620.2	1503.3	1396.2
30°	2467.4	2586.1	2645.9	2630.1	2645.9	2586.1	2467.4	2300.3	2078.6	1894.8	1704.8
27.5°	3490.5	3705.2	3829.3	3812.9	3829.3	3705.2	3490.5	3198.1	2791.0	2502.2	2153.0
25°	5138.9	5530.6	5781.4	5719.3	5781.4	5530.6	5138.9	4609.7	3976.7	3437.0	2822.7
22.5°	7646.5	8310.1	8749.2	8695.1	8749.2	8310.1	7646.5	6729.1	5772.2	4810.2	3904.1
20°	11086.2	12096.3	12817.5	12913.0	12817.5	12096.3	11086.2	9660.9	8255.3	6667.9	5373.5
17.5°	15594.9	17196.5	18311.3	18497.4	18311.3	17196.5	15594.9	13406.1	11379.7	9097.4	7089.1
15°	21454.7	24072.4	25966.8	26123.1	25966.8	24072.4	21454.7	18242.1	15132.3	12067.1	9049.3
12.5°	29411.4	34676.2	38112.2	39624.9	38112.2	34676.2	29411.4	24380.1	19368.1	15116.6	11347.6
10°	40423.1	52516.0	60260.5	63171.9	60260.5	52516.0	40423.1	32278.0	24516.5	18399.6	13535.6
7.5°	58815.9	77802.1	98909.6	107905.8	98909.6	77802.1	58815.9	40841.7	30189.6	22112.1	15931.7
5°	79644.3	119048.1	156528.2	171164.1	156528.2	119048.1	79644.3	54549.4	36511.6	25087.4	17631.2
2.5°	101561.1	156484.3	207951.5	228079.2	207951.5	156484.3	101561.1	63366.1	40418.7	27015.6	18916.3
0°	110120.1	172876.1	229502.3	252071.8	229502.3	172876.1	110120.1	64916.3	41331.5	27878.4	19501.9
-2.5°	101561.1	156484.3	207951.5	228079.2	207951.5	156484.3	101561.1	63366.1	40418.7	27015.6	18916.3
-5°	79644.3	119048.1	156528.2	171164.1	156528.2	119048.1	79644.3	54549.4	36511.6	25087.4	17631.2
-7.5°	58815.9	77802.1	98909.6	107905.8	98909.6	77802.1	58815.9	40841.7	30189.6	22112.1	15931.7
-10°	40423.1	52516.0	60260.5	63171.9	60260.5	52516.0	40423.1	32278.0	24516.5	18399.6	13535.6
-12.5°	29411.4	34676.2	38112.2	39624.9	38112.2	34676.2	29411.4	24380.1	19368.1	15116.6	11347.6
-15°	21454.7	24072.4	25966.8	26123.1	25966.8	24072.4	21454.7	18242.1	15132.3	12067.1	9049.3
-17.5°	15594.9	17196.5	18311.3	18497.4	18311.3	17196.5	15594.9	13406.1	11379.7	9097.4	7089.1
-20°	11086.2	12096.3	12817.5	12913.0	12817.5	12096.3	11086.2	9660.9	8255.3	6667.9	5373.5

Classified

Cooper Lighting Solutions Photometric Lab  
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REPORT NUMBER: P627619 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5C-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°	7646.5	8310.1	8749.2	8695.1	8749.2	8310.1	7646.5	6729.1	5772.2	4810.2	3904.1
-25°	5138.9	5530.6	5781.4	5719.3	5781.4	5530.6	5138.9	4609.7	3976.7	3437.0	2822.7
-27.5°	3490.5	3705.2	3829.3	3812.9	3829.3	3705.2	3490.5	3198.1	2791.0	2502.2	2153.0
-30°	2467.4	2586.1	2645.9	2630.1	2645.9	2586.1	2467.4	2300.3	2078.6	1894.8	1704.8
-32.5°	1827.1	1895.0	1932.6	1928.0	1932.6	1895.0	1827.1	1737.9	1620.2	1503.3	1396.2
-35°	1435.2	1469.1	1487.2	1496.0	1487.2	1469.1	1435.2	1386.3	1322.1	1248.4	1181.4
-37.5°	1183.8	1200.8	1208.9	1209.8	1208.9	1200.8	1183.8	1157.0	1119.0	1069.2	1027.0
-40°	1013.4	1020.3	1021.7	1020.7	1021.7	1020.3	1013.4	998.2	973.6	942.7	913.4
-42.5°	890.3	896.4	898.2	896.5	898.2	896.4	890.3	878.9	864.2	846.1	826.8
-45°	796.5	800.4	801.5	799.3	801.5	800.4	796.5	790.0	781.6	769.2	752.8
-47.5°	727.2	727.6	726.3	723.7	726.3	727.6	727.2	724.2	717.9	708.7	697.4
-50°	672.3	673.2	672.4	669.7	672.4	673.2	672.3	669.6	665.2	659.0	651.3
-52.5°	626.4	625.7	625.9	626.5	625.9	625.7	626.4	626.0	624.4	620.9	615.6
-55°	594.1	593.3	591.5	588.7	591.5	593.3	594.1	593.9	592.7	589.0	584.4
-57.5°	561.2	560.6	559.0	556.3	559.0	560.6	561.2	560.7	559.2	555.9	552.1
-60°	523.0	522.6	521.1	518.5	521.1	522.6	523.0	522.3	520.5	517.7	513.8
-62.5°	478.9	478.9	477.8	475.3	477.8	478.9	478.9	477.7	475.2	472.0	468.2
-65°	425.8	425.3	426.2	426.7	426.2	425.3	425.8	425.3	423.8	421.6	418.1
-67.5°	377.3	376.7	375.1	372.6	375.1	376.7	377.3	376.8	375.2	372.0	367.3
-70°	327.3	327.9	326.5	324.0	326.5	327.9	327.3	326.0	324.1	321.5	318.0
-72.5°	275.5	274.3	275.1	275.4	275.1	274.3	275.5	276.0	275.8	274.6	271.8
-75°	227.2	225.9	226.5	226.8	226.5	225.9	227.2	228.0	228.3	227.7	225.5
-77.5°	178.9	177.4	175.3	172.8	175.3	177.4	178.9	179.9	180.3	179.8	177.9
-80°	129.5	129.0	126.8	124.2	126.8	129.0	129.5	129.7	129.6	129.2	128.1
-82.5°	86.8	86.0	86.3	86.4	86.3	86.0	86.8	87.4	87.8	87.9	86.5
-85°	49.4	48.4	48.5	48.6	48.5	48.4	49.4	50.3	51.1	51.8	51.0
-87.5°	17.4	16.1	16.2	16.2	16.2	16.1	17.4	18.6	19.8	20.9	20.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627619 (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°	20.3	20.0	19.6	19.2	18.7	18.2	17.7	17.1	16.5	15.9	15.3
85°	50.1	49.1	47.9	46.7	45.3	43.8	42.2	39.8	37.3	35.0	32.8
82.5°	84.9	83.1	81.1	78.9	76.5	74.0	71.1	67.4	63.2	58.6	53.8
80°	126.6	124.6	121.9	117.4	112.8	108.1	103.5	99.0	94.3	89.4	84.1
77.5°	175.4	172.5	168.3	161.1	153.8	146.3	139.1	133.1	127.1	120.9	114.3
75°	222.7	219.4	214.7	206.9	198.0	187.8	178.6	170.9	162.9	154.5	145.6
72.5°	268.3	264.1	259.0	252.5	245.0	235.8	224.4	212.4	200.8	189.8	179.3
70°	313.8	308.8	303.5	297.1	289.5	280.8	269.5	255.9	240.3	225.2	213.8
67.5°	361.6	355.0	349.4	344.0	337.0	328.1	315.3	301.1	285.8	268.3	252.1
65°	412.7	405.4	398.4	391.7	384.1	375.5	362.2	346.7	330.0	312.6	294.2
62.5°	463.7	458.6	450.6	441.0	430.9	420.1	407.7	392.4	374.5	354.1	334.0
60°	509.0	502.8	493.7	484.3	474.7	462.6	446.7	432.7	420.7	397.6	373.4
57.5°	548.0	540.9	530.0	519.8	510.4	496.1	480.1	464.2	448.6	432.7	412.0
55°	578.8	571.2	561.4	550.0	537.2	524.0	509.2	492.2	475.7	461.1	442.0
52.5°	608.7	601.2	591.8	580.6	567.0	551.6	535.4	518.5	503.0	488.0	470.9
50°	643.2	633.8	623.3	611.7	596.9	580.3	562.9	544.7	528.8	513.5	497.2
47.5°	685.9	672.2	657.0	643.1	626.8	608.6	590.0	571.8	554.3	536.3	519.9
45°	736.9	718.4	698.4	679.6	658.6	638.7	617.3	598.3	579.6	560.2	540.0
42.5°	801.7	773.7	747.7	722.1	695.9	671.9	647.6	625.4	604.4	583.6	561.8
40°	881.1	843.4	809.1	771.3	739.2	708.0	680.1	652.3	629.0	606.4	582.4
37.5°	978.6	929.4	882.5	833.6	790.6	749.6	714.7	682.8	652.4	627.8	602.5
35°	1103.6	1036.3	969.1	908.2	850.1	799.6	753.1	714.7	680.1	648.2	621.7
32.5°	1272.4	1177.1	1075.1	996.9	920.2	853.9	798.4	749.6	708.0	671.9	640.0
30°	1520.6	1364.3	1224.1	1099.8	1003.2	917.6	845.0	788.7	739.2	695.9	658.6
27.5°	1876.4	1607.7	1418.2	1235.3	1094.0	990.4	902.8	828.8	770.7	722.1	679.3
25°	2380.7	1972.9	1644.0	1405.4	1213.2	1065.9	962.9	877.1	805.9	747.4	695.9
22.5°	3072.0	2454.5	1949.7	1587.8	1350.6	1167.4	1028.3	924.7	838.1	769.6	713.6
20°	4088.9	3028.9	2345.2	1848.6	1504.8	1264.7	1096.4	974.6	874.4	792.6	729.0
17.5°	5295.8	3825.3	2778.0	2115.3	1685.4	1389.5	1175.3	1020.4	907.3	812.7	741.6
15°	6582.2	4727.7	3382.8	2471.3	1869.9	1496.4	1241.0	1060.9	938.7	834.8	757.2
12.5°	8225.0	5700.7	3913.2	2768.5	2051.3	1612.8	1317.3	1112.4	969.6	858.7	773.4
10°	9779.0	6715.5	4558.8	3159.8	2272.1	1727.0	1385.0	1151.9	993.5	877.6	786.6
7.5°	11247.3	7691.1	5117.0	3457.7	2442.6	1817.8	1435.2	1180.5	1010.5	890.9	796.7
5°	12323.3	8417.2	5553.9	3687.6	2563.2	1883.6	1467.8	1198.3	1020.6	898.7	803.5
2.5°	13141.9	8898.3	5819.6	3822.4	2632.1	1922.5	1487.3	1211.9	1030.4	905.0	811.1
0°	13517.9	9084.0	5908.4	3893.9	2673.3	1933.4	1496.0	1220.6	1036.9	907.3	815.5
-2.5°	13141.9	8898.3	5819.6	3822.4	2632.1	1922.5	1487.3	1211.9	1030.4	905.0	811.1
-5°	12323.3	8417.2	5553.9	3687.6	2563.2	1883.6	1467.8	1198.3	1020.6	898.7	803.5
-7.5°	11247.3	7691.1	5117.0	3457.7	2442.6	1817.8	1435.2	1180.5	1010.5	890.9	796.7
-10°	9779.0	6715.5	4558.8	3159.8	2272.1	1727.0	1385.0	1151.9	993.5	877.6	786.6
-12.5°	8225.0	5700.7	3913.2	2768.5	2051.3	1612.8	1317.3	1112.4	969.6	858.7	773.4
-15°	6582.2	4727.7	3382.8	2471.3	1869.9	1496.4	1241.0	1060.9	938.7	834.8	757.2
-17.5°	5295.8	3825.3	2778.0	2115.3	1685.4	1389.5	1175.3	1020.4	907.3	812.7	741.6
-20°	4088.9	3028.9	2345.2	1848.6	1504.8	1264.7	1096.4	974.6	874.4	792.6	729.0



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REPORT NUMBER: P627619 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5C-727-U-NR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3072.0	2454.5	1949.7	1587.8	1350.6	1167.4	1028.3	924.7	838.1	769.6	713.6
-25°	2380.7	1972.9	1644.0	1405.4	1213.2	1065.9	962.9	877.1	805.9	747.4	695.9
-27.5°	1876.4	1607.7	1418.2	1235.3	1094.0	990.4	902.8	828.8	770.7	722.1	679.3
-30°	1520.6	1364.3	1224.1	1099.8	1003.2	917.6	845.0	788.7	739.2	695.9	658.6
-32.5°	1272.4	1177.1	1075.1	996.9	920.2	853.9	798.4	749.6	708.0	671.9	640.0
-35°	1103.6	1036.3	969.1	908.2	850.1	799.6	753.1	714.7	680.1	648.2	621.7
-37.5°	978.6	929.4	882.5	833.6	790.6	749.6	714.7	682.8	652.4	627.8	602.5
-40°	881.1	843.4	809.1	771.3	739.2	708.0	680.1	652.3	629.0	606.4	582.4
-42.5°	801.7	773.7	747.7	722.1	695.9	671.9	647.6	625.4	604.4	583.6	561.8
-45°	736.9	718.4	698.4	679.6	658.6	638.7	617.3	598.3	579.6	560.2	540.0
-47.5°	685.9	672.2	657.0	643.1	626.8	608.6	590.0	571.8	554.3	536.3	519.9
-50°	643.2	633.8	623.3	611.7	596.9	580.3	562.9	544.7	528.8	513.5	497.2
-52.5°	608.7	601.2	591.8	580.6	567.0	551.6	535.4	518.5	503.0	488.0	470.9
-55°	578.8	571.2	561.4	550.0	537.2	524.0	509.2	492.2	475.7	461.1	442.0
-57.5°	548.0	540.9	530.0	519.8	510.4	496.1	480.1	464.2	448.6	432.7	412.0
-60°	509.0	502.8	493.7	484.3	474.7	462.6	446.7	432.7	420.7	397.6	373.4
-62.5°	463.7	458.6	450.6	441.0	430.9	420.1	407.7	392.4	374.5	354.1	334.0
-65°	412.7	405.4	398.4	391.7	384.1	375.5	362.2	346.7	330.0	312.6	294.2
-67.5°	361.6	355.0	349.4	344.0	337.0	328.1	315.3	301.1	285.8	268.3	252.1
-70°	313.8	308.8	303.5	297.1	289.5	280.8	269.5	255.9	240.3	225.2	213.8
-72.5°	268.3	264.1	259.0	252.5	245.0	235.8	224.4	212.4	200.8	189.8	179.3
-75°	222.7	219.4	214.7	206.9	198.0	187.8	178.6	170.9	162.9	154.5	145.6
-77.5°	175.4	172.5	168.3	161.1	153.8	146.3	139.1	133.1	127.1	120.9	114.3
-80°	126.6	124.6	121.9	117.4	112.8	108.1	103.5	99.0	94.3	89.4	84.1
-82.5°	84.9	83.1	81.1	78.9	76.5	74.0	71.1	67.4	63.2	58.6	53.8
-85°	50.1	49.1	47.9	46.7	45.3	43.8	42.2	39.8	37.3	35.0	32.8
-87.5°	20.3	20.0	19.6	19.2	18.7	18.2	17.7	17.1	16.5	15.9	15.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	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°	14.6	13.9	13.1	12.4	11.6	10.8	10.0	9.1	8.3	7.4	6.5
85°	31.6	30.1	28.3	26.3	24.0	21.6	19.9	18.2	16.5	14.8	13.0
82.5°	51.1	49.2	47.3	44.8	41.3	37.7	34.0	30.2	26.3	22.4	19.4
80°	79.1	74.2	69.5	64.8	59.3	53.8	48.8	43.7	38.6	33.3	28.0
77.5°	107.5	100.4	93.0	86.2	79.4	72.3	65.1	57.8	50.8	44.2	37.6
75°	136.4	127.7	118.8	109.7	100.3	90.8	82.2	73.3	64.3	55.2	47.1
72.5°	168.5	157.3	145.7	133.8	122.9	111.6	100.1	88.8	78.3	67.7	56.8
70°	201.9	188.1	174.2	161.0	147.0	132.3	119.2	105.8	92.2	80.0	67.7
67.5°	237.0	222.8	206.5	188.9	173.1	156.6	138.8	123.0	107.7	92.2	78.3
65°	275.5	257.8	240.8	220.5	200.5	181.3	162.0	141.1	123.0	105.8	88.8
62.5°	313.1	291.8	271.4	250.5	228.7	206.6	184.8	161.4	138.7	119.2	100.1
60°	350.3	326.6	301.4	277.6	254.8	231.5	206.8	181.1	156.1	132.3	111.6
57.5°	385.7	360.8	332.3	304.4	278.8	254.5	228.1	200.1	173.0	146.7	122.8
55°	418.6	391.0	361.2	331.0	302.2	275.5	248.0	218.5	189.3	161.0	133.5
52.5°	449.0	420.0	388.4	356.2	324.8	295.7	266.7	236.0	204.9	174.7	145.1
50°	477.2	448.9	415.2	380.8	346.3	315.5	285.1	252.9	219.8	187.8	156.5
47.5°	501.6	474.8	442.3	405.0	368.2	335.1	303.2	269.5	234.0	200.3	167.4
45°	521.6	498.8	467.4	430.0	390.6	355.5	320.9	285.6	248.5	212.4	177.9
42.5°	540.1	518.8	490.6	454.4	413.6	375.5	338.2	301.3	262.7	223.9	188.0
40°	559.0	536.5	512.1	475.7	435.1	394.8	355.7	316.6	276.3	235.2	197.6
37.5°	576.7	553.2	528.5	495.4	454.4	412.9	372.4	331.4	289.0	246.5	206.7
35°	594.6	568.4	542.8	510.9	471.2	429.3	388.3	345.7	301.0	257.0	215.3
32.5°	611.7	582.4	554.8	523.6	486.6	444.1	402.6	358.1	312.3	266.7	223.3
30°	627.3	595.5	566.3	535.8	499.7	457.1	414.5	369.4	322.7	275.6	230.9
27.5°	639.8	606.3	577.3	546.3	510.1	468.7	425.1	379.5	332.3	283.8	238.0
25°	652.3	616.4	586.0	555.9	519.9	480.4	434.9	388.4	340.7	291.5	244.5
22.5°	666.1	625.7	592.9	564.9	530.0	491.7	444.2	396.2	348.1	298.4	250.2
20°	678.3	633.8	598.0	572.1	538.0	500.1	453.0	403.3	354.3	304.6	255.3
17.5°	689.0	642.4	604.8	576.3	544.2	507.4	461.2	409.5	359.6	310.0	259.6
15°	700.3	651.5	610.8	579.7	549.2	513.4	468.6	414.9	364.0	314.5	263.4
12.5°	710.2	658.8	615.6	582.4	553.1	518.3	475.2	419.4	367.3	318.3	266.9
10°	718.5	664.5	619.2	584.2	555.8	522.0	480.8	423.7	370.9	321.3	269.8
7.5°	725.0	668.5	621.6	585.2	557.7	525.0	485.6	428.6	373.9	323.3	272.2
5°	729.8	671.6	625.2	588.6	559.9	527.4	488.9	432.7	376.1	324.4	274.0
2.5°	733.3	674.3	629.2	591.7	561.2	528.8	490.9	435.6	377.5	324.6	275.0
0°	734.5	675.1	631.9	594.1	561.7	529.3	491.5	437.5	378.0	324.0	275.4
-2.5°	733.3	674.3	629.2	591.7	561.2	528.8	490.9	435.6	377.5	324.6	275.0
-5°	729.8	671.6	625.2	588.6	559.9	527.4	488.9	432.7	376.1	324.4	274.0
-7.5°	725.0	668.5	621.6	585.2	557.7	525.0	485.6	428.6	373.9	323.3	272.2
-10°	718.5	664.5	619.2	584.2	555.8	522.0	480.8	423.7	370.9	321.3	269.8
-12.5°	710.2	658.8	615.6	582.4	553.1	518.3	475.2	419.4	367.3	318.3	266.9
-15°	700.3	651.5	610.8	579.7	549.2	513.4	468.6	414.9	364.0	314.5	263.4
-17.5°	689.0	642.4	604.8	576.3	544.2	507.4	461.2	409.5	359.6	310.0	259.6
-20°	678.3	633.8	598.0	572.1	538.0	500.1	453.0	403.3	354.3	304.6	255.3

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REPORT NUMBER: P627619 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5C-727-U-NR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	666.1	625.7	592.9	564.9	530.0	491.7	444.2	396.2	348.1	298.4	250.2
-25°	652.3	616.4	586.0	555.9	519.9	480.4	434.9	388.4	340.7	291.5	244.5
-27.5°	639.8	606.3	577.3	546.3	510.1	468.7	425.1	379.5	332.3	283.8	238.0
-30°	627.3	595.5	566.3	535.8	499.7	457.1	414.5	369.4	322.7	275.6	230.9
-32.5°	611.7	582.4	554.8	523.6	486.6	444.1	402.6	358.1	312.3	266.7	223.3
-35°	594.6	568.4	542.8	510.9	471.2	429.3	388.3	345.7	301.0	257.0	215.3
-37.5°	576.7	553.2	528.5	495.4	454.4	412.9	372.4	331.4	289.0	246.5	206.7
-40°	559.0	536.5	512.1	475.7	435.1	394.8	355.7	316.6	276.3	235.2	197.6
-42.5°	540.1	518.8	490.6	454.4	413.6	375.5	338.2	301.3	262.7	223.9	188.0
-45°	521.6	498.8	467.4	430.0	390.6	355.5	320.9	285.6	248.5	212.4	177.9
-47.5°	501.6	474.8	442.3	405.0	368.2	335.1	303.2	269.5	234.0	200.3	167.4
-50°	477.2	448.9	415.2	380.8	346.3	315.5	285.1	252.9	219.8	187.8	156.5
-52.5°	449.0	420.0	388.4	356.2	324.8	295.7	266.7	236.0	204.9	174.7	145.1
-55°	418.6	391.0	361.2	331.0	302.2	275.5	248.0	218.5	189.3	161.0	133.5
-57.5°	385.7	360.8	332.3	304.4	278.8	254.5	228.1	200.1	173.0	146.7	122.8
-60°	350.3	326.6	301.4	277.6	254.8	231.5	206.8	181.1	156.1	132.3	111.6
-62.5°	313.1	291.8	271.4	250.5	228.7	206.6	184.8	161.4	138.7	119.2	100.1
-65°	275.5	257.8	240.8	220.5	200.5	181.3	162.0	141.1	123.0	105.8	88.8
-67.5°	237.0	222.8	206.5	188.9	173.1	156.6	138.8	123.0	107.7	92.2	78.3
-70°	201.9	188.1	174.2	161.0	147.0	132.3	119.2	105.8	92.2	80.0	67.7
-72.5°	168.5	157.3	145.7	133.8	122.9	111.6	100.1	88.8	78.3	67.7	56.8
-75°	136.4	127.7	118.8	109.7	100.3	90.8	82.2	73.3	64.3	55.2	47.1
-77.5°	107.5	100.4	93.0	86.2	79.4	72.3	65.1	57.8	50.8	44.2	37.6
-80°	79.1	74.2	69.5	64.8	59.3	53.8	48.8	43.7	38.6	33.3	28.0
-82.5°	51.1	49.2	47.3	44.8	41.3	37.7	34.0	30.2	26.3	22.4	19.4
-85°	31.6	30.1	28.3	26.3	24.0	21.6	19.9	18.2	16.5	14.8	13.0
-87.5°	14.6	13.9	13.1	12.4	11.6	10.8	10.0	9.1	8.3	7.4	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

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REPORT NUMBER: P627619 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5C-727-U-NR-XX

**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°	5.6	4.7	3.7	2.8	1.9	0.8	0.0
85°	11.2	9.3	7.5	5.6	3.8	1.6	0.0
82.5°	16.7	14.0	11.2	8.4	5.6	2.5	0.0
80°	22.6	18.6	14.9	11.2	7.5	3.3	0.0
77.5°	30.8	23.9	18.6	14.0	9.3	4.1	0.0
75°	38.8	30.4	22.5	16.7	11.1	4.9	0.0
72.5°	46.8	36.7	27.4	19.4	12.8	5.6	0.0
70°	54.7	43.0	32.2	22.3	14.5	6.4	0.0
67.5°	63.8	49.1	37.0	25.7	16.2	7.2	0.0
65°	72.6	55.8	41.6	29.0	17.8	7.9	0.0
62.5°	81.3	63.0	46.0	32.3	19.4	8.6	0.0
60°	89.8	70.1	50.4	35.4	20.9	9.3	0.0
57.5°	99.1	77.0	55.8	38.5	22.8	9.9	0.0
55°	108.3	83.7	61.2	41.4	24.7	10.6	0.0
52.5°	117.2	90.3	66.3	44.2	26.6	11.2	0.0
50°	125.8	97.5	71.4	47.0	28.4	11.7	0.0
47.5°	134.3	104.4	76.2	49.8	30.1	12.3	0.0
45°	143.3	111.0	80.8	53.2	31.8	12.8	0.0
42.5°	151.9	117.4	85.2	56.5	33.5	13.3	0.0
40°	160.1	123.4	89.7	59.8	35.0	13.7	0.0
37.5°	167.8	129.1	94.2	62.9	36.5	14.2	0.0
35°	175.2	134.9	98.5	65.8	38.0	14.5	0.0
32.5°	182.0	140.6	102.5	68.6	39.3	14.9	0.0
30°	188.4	145.9	106.3	71.1	40.6	15.2	0.0
27.5°	194.3	150.8	109.9	73.5	41.8	15.5	0.0
25°	199.7	155.3	113.3	75.7	42.9	15.7	0.0
22.5°	204.6	159.3	116.3	77.7	44.0	15.9	0.0
20°	209.0	162.8	119.1	79.5	44.9	16.1	0.0
17.5°	212.6	165.8	121.5	81.1	45.7	16.2	0.0
15°	215.5	168.3	123.7	82.5	46.5	16.3	0.0
12.5°	217.9	170.2	125.5	83.7	47.1	16.4	0.0
10°	219.7	171.7	126.9	84.7	47.6	16.4	0.0
7.5°	221.0	172.6	128.1	85.4	48.1	16.4	0.0
5°	221.7	173.1	128.9	86.0	48.4	16.4	0.0
2.5°	221.8	173.2	129.4	86.3	48.5	16.3	0.0
0°	221.4	172.8	129.6	86.4	48.6	16.2	0.0
-2.5°	221.8	173.2	129.4	86.3	48.5	16.3	0.0
-5°	221.7	173.1	128.9	86.0	48.4	16.4	0.0
-7.5°	221.0	172.6	128.1	85.4	48.1	16.4	0.0
-10°	219.7	171.7	126.9	84.7	47.6	16.4	0.0
-12.5°	217.9	170.2	125.5	83.7	47.1	16.4	0.0
-15°	215.5	168.3	123.7	82.5	46.5	16.3	0.0
-17.5°	212.6	165.8	121.5	81.1	45.7	16.2	0.0
-20°	209.0	162.8	119.1	79.5	44.9	16.1	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	204.6	159.3	116.3	77.7	44.0	15.9	0.0
-25°	199.7	155.3	113.3	75.7	42.9	15.7	0.0
-27.5°	194.3	150.8	109.9	73.5	41.8	15.5	0.0
-30°	188.4	145.9	106.3	71.1	40.6	15.2	0.0
-32.5°	182.0	140.6	102.5	68.6	39.3	14.9	0.0
-35°	175.2	134.9	98.5	65.8	38.0	14.5	0.0
-37.5°	167.8	129.1	94.2	62.9	36.5	14.2	0.0
-40°	160.1	123.4	89.7	59.8	35.0	13.7	0.0
-42.5°	151.9	117.4	85.2	56.5	33.5	13.3	0.0
-45°	143.3	111.0	80.8	53.2	31.8	12.8	0.0
-47.5°	134.3	104.4	76.2	49.8	30.1	12.3	0.0
-50°	125.8	97.5	71.4	47.0	28.4	11.7	0.0
-52.5°	117.2	90.3	66.3	44.2	26.6	11.2	0.0
-55°	108.3	83.7	61.2	41.4	24.7	10.6	0.0
-57.5°	99.1	77.0	55.8	38.5	22.8	9.9	0.0
-60°	89.8	70.1	50.4	35.4	20.9	9.3	0.0
-62.5°	81.3	63.0	46.0	32.3	19.4	8.6	0.0
-65°	72.6	55.8	41.6	29.0	17.8	7.9	0.0
-67.5°	63.8	49.1	37.0	25.7	16.2	7.2	0.0
-70°	54.7	43.0	32.2	22.3	14.5	6.4	0.0
-72.5°	46.8	36.7	27.4	19.4	12.8	5.6	0.0
-75°	38.8	30.4	22.5	16.7	11.1	4.9	0.0
-77.5°	30.8	23.9	18.6	14.0	9.3	4.1	0.0
-80°	22.6	18.6	14.9	11.2	7.5	3.3	0.0
-82.5°	16.7	14.0	11.2	8.4	5.6	2.5	0.0
-85°	11.2	9.3	7.5	5.6	3.8	1.6	0.0
-87.5°	5.6	4.7	3.7	2.8	1.9	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)