

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



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

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P626723 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1D-727-U-WR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P626723 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA1D-727-U-WR-XX  
Description: GALLEON FLOOD, ONE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N14  
Light Source: (16) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

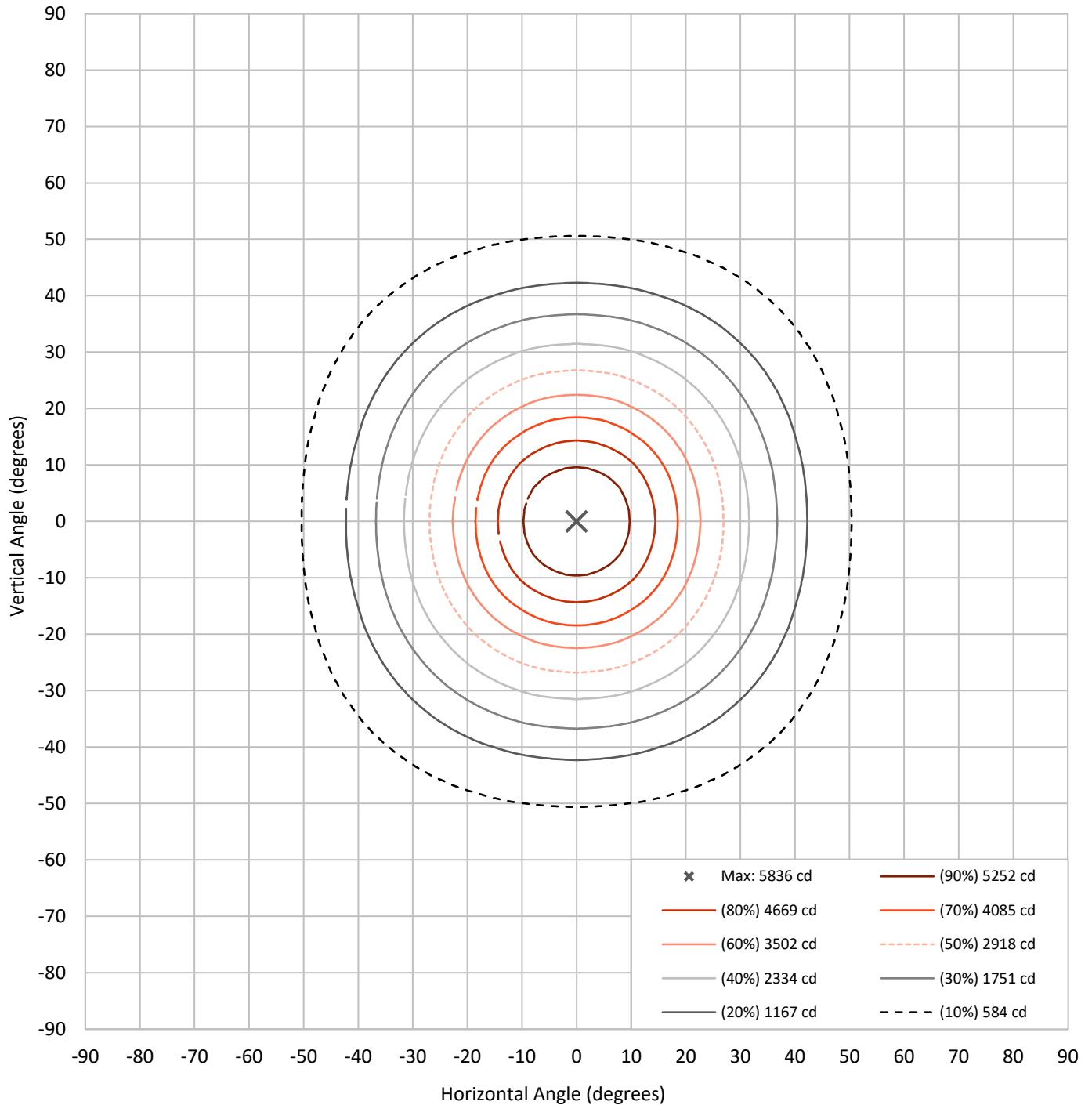
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	5939.7 lumens	Max Intensity:	5836 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	103.7 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	53.8°H x 53.6°V	Field Angle (10%):	100.8°H x 101.2°V
Beam Lumens:	2840 lumens	Field Lumens:	5242 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
Input Watts (W):	57.3		
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





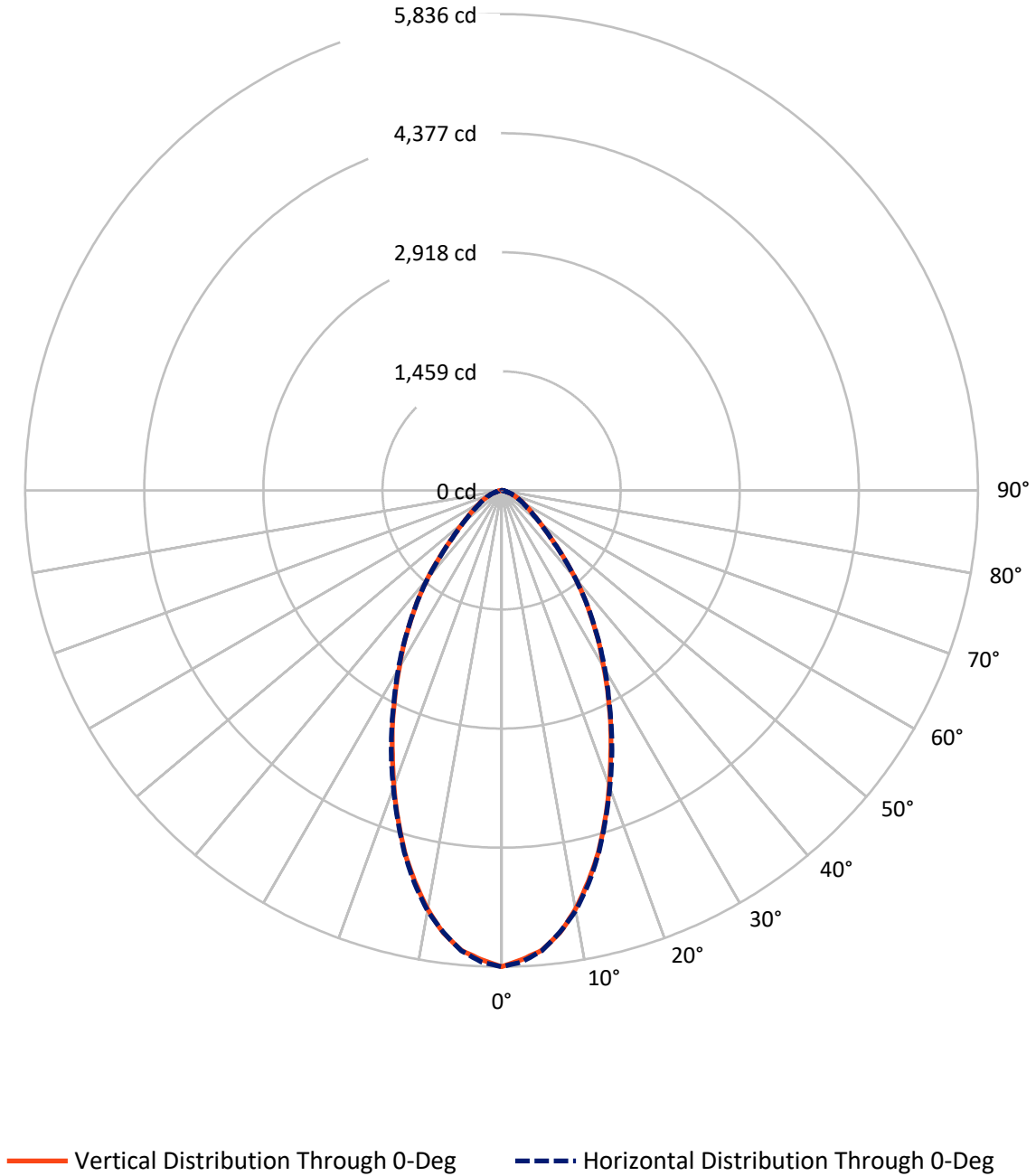
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### Lumen Table

90															90				
80	0.2	1.6		3.7		6.2		5.3		6.2		3.7		1.6		0.2			
70																			
60	0.8	0.9	1.7	2.7	4.0	5.1	6.0	6.5	6.5	6.0	5.1	4.0	2.7	1.7	0.9	0.8			
50		1.3	2.6	4.5	6.8	9.4	11.7	13.1	13.1	11.7	9.4	6.8	4.5	2.6	1.3				
40	1.1	1.6	3.6	6.7	11.2	17.2	23.8	28.1	28.1	23.8	17.2	11.2	6.7	3.6	1.6	1.1			
30		2.0	4.7	9.7	18.8	33.4	48.6	57.6	57.6	48.6	33.4	18.8	9.7	4.7	2.0				
20	1.3	2.3	5.8	13.5	30.4	54.7	78.3	93.6	93.6	78.3	54.7	30.4	13.5	5.8	2.3	1.3			
10		2.6	6.8	17.6	41.5	73.9	109.1	134.2	134.2	109.1	73.9	41.5	17.6	6.8	2.6				
0	1.4	2.7	7.4	20.2	47.8	85.9	130.7	164.4	164.4	130.7	85.9	47.8	20.2	7.4	2.7	1.4			
-10		2.7	7.4	20.2	47.8	85.9	130.7	164.4	164.4	130.7	85.9	47.8	20.2	7.4	2.7				
-20	1.3	2.6	6.8	17.6	41.5	73.9	109.1	134.2	134.2	109.1	73.9	41.5	17.6	6.8	2.6	1.3			
-30		2.3	5.8	13.5	30.4	54.7	78.3	93.6	93.6	78.3	54.7	30.4	13.5	5.8	2.3				
-40	1.1	2.0	4.7	9.7	18.8	33.4	48.6	57.6	57.6	48.6	33.4	18.8	9.7	4.7	2.0	1.1			
-50		1.6	3.6	6.7	11.2	17.2	23.8	28.1	28.1	23.8	17.2	11.2	6.7	3.6	1.6				
-60	0.8	1.3	2.6	4.5	6.8	9.4	11.7	13.1	13.1	11.7	9.4	6.8	4.5	2.6	1.3	0.8			
-70		0.9	1.7	2.7	4.0	5.1	6.0	6.5	6.5	6.0	5.1	4.0	2.7	1.7	0.9				
-80															-80				
-90	0.2	1.6		3.7		6.2		5.3		6.2		3.7		1.6		0.2			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

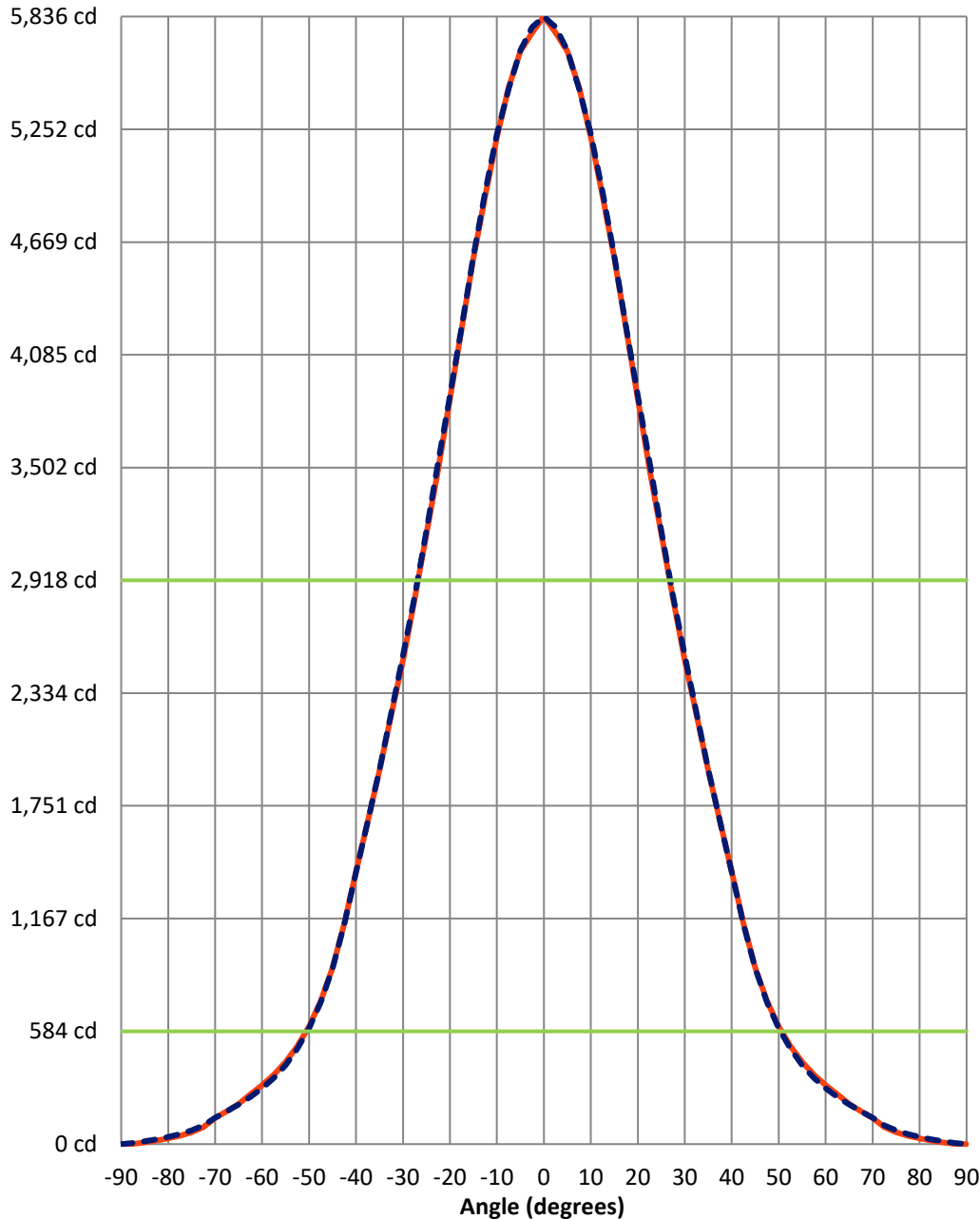
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
H Angle: 53.8°  
V Angle: 53.6°  
Lumens: 2840  
Efficiency: 47.8%

**Field:**  
H Angle: 100.8°  
V Angle: 101.2°  
Lumens: 5242  
Efficiency: 88.3%

**Spill:**  
Lumens: 697.7  
Efficiency: 11.7%

- 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	1.6	2.2	2.8	3.1	3.3	3.5	3.7
85°	0.0	0.6	1.4	2.2	3.2	4.3	5.5	6.1	6.6	7.0	7.4
82.5°	0.0	0.9	2.0	3.3	4.8	6.4	8.3	9.2	10.2	11.8	13.2
80°	0.0	1.2	2.7	4.4	6.4	8.5	11.2	14.0	16.4	18.5	20.4
77.5°	0.0	1.5	3.4	5.5	7.9	11.1	16.0	19.6	22.5	25.2	27.8
75°	0.0	1.8	4.0	6.5	9.6	14.6	20.7	25.2	28.7	32.3	36.2
72.5°	0.0	2.0	4.6	7.6	11.9	17.9	25.2	30.7	34.9	39.5	44.4
70°	0.0	2.3	5.2	8.7	14.1	21.1	29.5	35.8	41.0	46.6	53.1
67.5°	0.0	2.6	5.8	10.0	16.2	24.1	33.2	40.9	47.0	53.9	61.7
65°	0.0	2.8	6.4	11.3	18.2	26.9	36.8	45.9	52.9	60.9	69.9
62.5°	0.0	3.1	7.0	12.5	20.1	29.5	40.1	50.6	58.5	67.7	77.5
60°	0.0	3.3	7.5	13.7	21.9	31.9	43.2	55.0	63.9	74.2	84.8
57.5°	0.0	3.6	8.2	14.8	23.6	34.1	46.1	59.0	69.4	80.5	91.6
55°	0.0	3.8	8.8	15.8	25.1	36.2	48.7	62.2	74.8	86.6	98.1
52.5°	0.0	4.0	9.4	16.7	26.5	38.1	51.1	65.7	79.9	92.4	104.4
50°	0.0	4.2	10.0	17.5	27.8	39.8	53.2	69.0	84.8	98.0	111.4
47.5°	0.0	4.4	10.6	18.3	28.9	41.4	55.3	72.0	89.7	103.5	118.2
45°	0.0	4.6	11.1	19.0	29.9	42.8	57.5	74.7	93.2	109.4	124.8
42.5°	0.0	4.8	11.6	19.7	30.8	44.0	59.6	77.3	96.4	115.1	131.7
40°	0.0	4.9	12.0	20.4	31.6	45.0	61.3	79.8	99.6	120.4	138.3
37.5°	0.0	5.1	12.5	21.1	32.3	45.8	62.8	82.1	103.1	124.6	144.6
35°	0.0	5.2	12.9	21.8	32.9	46.8	64.1	84.2	106.4	129.2	151.0
32.5°	0.0	5.3	13.2	22.4	33.3	47.7	65.3	86.0	109.6	133.9	157.5
30°	0.0	5.5	13.6	22.9	33.6	48.4	66.5	87.7	112.6	138.6	163.7
27.5°	0.0	5.6	13.9	23.4	34.3	48.8	67.6	89.9	115.7	143.4	169.5
25°	0.0	5.6	14.1	23.9	35.0	49.1	68.4	91.9	119.2	148.0	174.9
22.5°	0.0	5.7	14.4	24.2	35.6	49.5	69.0	93.6	122.6	152.3	180.8
20°	0.0	5.8	14.5	24.5	36.1	50.4	69.3	95.0	125.7	156.1	186.1
17.5°	0.0	5.8	14.7	24.8	36.6	51.2	70.1	96.2	128.6	159.5	190.8
15°	0.0	5.9	14.8	24.9	36.9	51.8	71.0	97.3	131.2	162.4	194.8
12.5°	0.0	5.9	14.9	25.1	37.2	52.2	71.7	98.3	133.4	164.8	198.1
10°	0.0	5.9	15.0	25.1	37.4	52.5	72.1	98.8	135.1	166.8	200.8
7.5°	0.0	5.9	15.0	25.1	37.4	52.6	72.3	99.0	136.3	168.4	202.9
5°	0.0	5.9	14.9	25.0	37.4	52.5	72.3	98.7	137.0	169.4	204.3
2.5°	0.0	5.8	14.9	24.9	37.3	52.3	71.9	98.0	137.0	170.0	205.0
0°	0.0	5.8	14.8	24.7	37.1	52.0	71.4	96.9	136.5	169.9	205.0
-2.5°	0.0	5.8	14.9	24.9	37.3	52.3	71.9	98.0	137.0	170.0	205.0
-5°	0.0	5.9	14.9	25.0	37.4	52.5	72.3	98.7	137.0	169.4	204.3
-7.5°	0.0	5.9	15.0	25.1	37.4	52.6	72.3	99.0	136.3	168.4	202.9
-10°	0.0	5.9	15.0	25.1	37.4	52.5	72.1	98.8	135.1	166.8	200.8
-12.5°	0.0	5.9	14.9	25.1	37.2	52.2	71.7	98.3	133.4	164.8	198.1
-15°	0.0	5.9	14.8	24.9	36.9	51.8	71.0	97.3	131.2	162.4	194.8
-17.5°	0.0	5.8	14.7	24.8	36.6	51.2	70.1	96.2	128.6	159.5	190.8
-20°	0.0	5.8	14.5	24.5	36.1	50.4	69.3	95.0	125.7	156.1	186.1

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Scaled Data Report



REPORT NUMBER: P626723 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.7	14.4	24.2	35.6	49.5	69.0	93.6	122.6	152.3	180.8
-25°	0.0	5.6	14.1	23.9	35.0	49.1	68.4	91.9	119.2	148.0	174.9
-27.5°	0.0	5.6	13.9	23.4	34.3	48.8	67.6	89.9	115.7	143.4	169.5
-30°	0.0	5.5	13.6	22.9	33.6	48.4	66.5	87.7	112.6	138.6	163.7
-32.5°	0.0	5.3	13.2	22.4	33.3	47.7	65.3	86.0	109.6	133.9	157.5
-35°	0.0	5.2	12.9	21.8	32.9	46.8	64.1	84.2	106.4	129.2	151.0
-37.5°	0.0	5.1	12.5	21.1	32.3	45.8	62.8	82.1	103.1	124.6	144.6
-40°	0.0	4.9	12.0	20.4	31.6	45.0	61.3	79.8	99.6	120.4	138.3
-42.5°	0.0	4.8	11.6	19.7	30.8	44.0	59.6	77.3	96.4	115.1	131.7
-45°	0.0	4.6	11.1	19.0	29.9	42.8	57.5	74.7	93.2	109.4	124.8
-47.5°	0.0	4.4	10.6	18.3	28.9	41.4	55.3	72.0	89.7	103.5	118.2
-50°	0.0	4.2	10.0	17.5	27.8	39.8	53.2	69.0	84.8	98.0	111.4
-52.5°	0.0	4.0	9.4	16.7	26.5	38.1	51.1	65.7	79.9	92.4	104.4
-55°	0.0	3.8	8.8	15.8	25.1	36.2	48.7	62.2	74.8	86.6	98.1
-57.5°	0.0	3.6	8.2	14.8	23.6	34.1	46.1	59.0	69.4	80.5	91.6
-60°	0.0	3.3	7.5	13.7	21.9	31.9	43.2	55.0	63.9	74.2	84.8
-62.5°	0.0	3.1	7.0	12.5	20.1	29.5	40.1	50.6	58.5	67.7	77.5
-65°	0.0	2.8	6.4	11.3	18.2	26.9	36.8	45.9	52.9	60.9	69.9
-67.5°	0.0	2.6	5.8	10.0	16.2	24.1	33.2	40.9	47.0	53.9	61.7
-70°	0.0	2.3	5.2	8.7	14.1	21.1	29.5	35.8	41.0	46.6	53.1
-72.5°	0.0	2.0	4.6	7.6	11.9	17.9	25.2	30.7	34.9	39.5	44.4
-75°	0.0	1.8	4.0	6.5	9.6	14.6	20.7	25.2	28.7	32.3	36.2
-77.5°	0.0	1.5	3.4	5.5	7.9	11.1	16.0	19.6	22.5	25.2	27.8
-80°	0.0	1.2	2.7	4.4	6.4	8.5	11.2	14.0	16.4	18.5	20.4
-82.5°	0.0	0.9	2.0	3.3	4.8	6.4	8.3	9.2	10.2	11.8	13.2
-85°	0.0	0.6	1.4	2.2	3.2	4.3	5.5	6.1	6.6	7.0	7.4
-87.5°	0.0	0.3	0.7	1.1	1.6	2.2	2.8	3.1	3.3	3.5	3.7
-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°	3.7	3.7	3.7	3.6	3.4	3.2	2.9	2.6	2.7	2.8	2.9
85°	7.5	7.5	8.1	8.6	8.9	8.9	8.7	8.3	9.4	10.7	12.0
82.5°	14.5	15.8	17.0	18.1	18.2	17.9	17.3	16.7	18.9	21.6	24.4
80°	22.3	24.1	26.3	28.3	28.7	28.5	27.9	26.9	29.8	33.9	38.3
77.5°	30.9	33.9	36.6	39.2	39.9	39.8	39.3	38.5	42.2	47.9	53.8
75°	40.0	43.6	47.1	50.2	51.5	51.6	51.5	52.4	57.2	63.9	69.8
72.5°	49.5	54.0	58.0	61.4	63.5	65.2	67.3	70.0	74.9	81.5	87.2
70°	59.5	64.6	68.8	72.5	75.8	79.4	84.0	88.5	93.7	100.2	106.2
67.5°	69.4	74.5	79.3	83.9	89.9	95.6	101.3	107.2	113.8	120.6	126.7
65°	78.6	84.4	90.2	96.9	104.7	111.2	118.2	125.9	134.4	142.1	149.2
62.5°	87.4	93.9	101.1	109.3	117.7	125.8	135.2	145.1	155.1	164.8	174.4
60°	94.8	102.9	111.7	120.9	130.6	141.6	152.7	164.4	176.4	188.1	199.9
57.5°	102.0	112.0	122.1	132.9	144.9	157.5	170.8	184.0	198.3	212.4	225.9
55°	109.4	121.2	132.7	145.4	159.3	174.1	189.0	205.1	220.9	238.6	255.0
52.5°	117.3	130.2	143.6	158.3	174.4	191.1	208.6	227.0	246.7	266.4	286.5
50°	125.1	139.6	154.5	172.0	190.1	209.2	229.4	250.9	273.7	296.6	320.9
47.5°	133.2	148.7	166.9	185.9	206.6	228.3	251.2	276.7	302.2	331.0	358.8
45°	141.2	159.0	178.8	200.8	223.5	248.0	275.3	303.3	335.7	368.2	404.8
42.5°	148.8	169.3	191.7	215.2	241.1	269.2	299.4	334.6	371.2	411.5	454.4
40°	157.6	179.3	204.4	230.8	258.8	290.9	327.2	366.4	410.9	458.7	507.4
37.5°	166.1	190.5	217.0	245.5	278.1	314.3	354.4	402.3	453.8	508.0	574.4
35°	174.1	201.1	229.9	261.2	296.5	338.4	386.3	439.3	498.6	568.6	646.0
32.5°	182.6	211.2	242.1	277.3	317.2	363.0	417.4	479.8	550.0	629.7	726.5
30°	191.2	221.6	254.3	292.3	336.7	389.7	451.5	520.5	601.3	701.2	814.9
27.5°	199.1	231.3	267.1	308.2	355.7	414.4	484.4	565.1	660.3	773.3	906.0
25°	206.4	240.1	278.9	323.4	376.6	441.0	516.8	606.3	719.4	854.1	1017.4
22.5°	213.3	248.2	289.6	337.1	395.5	466.7	552.1	654.5	779.5	930.6	1126.6
20°	219.8	256.9	300.2	350.1	412.4	489.9	584.5	699.5	841.8	1020.7	1233.6
17.5°	225.5	264.6	310.2	364.2	431.1	513.6	615.1	739.3	897.1	1101.1	1332.3
15°	230.4	271.2	318.9	376.4	448.0	537.1	647.3	782.8	954.9	1174.2	1419.0
12.5°	234.5	276.8	326.2	386.7	462.2	556.9	674.7	821.6	1011.2	1243.0	1495.1
10°	237.8	281.2	332.0	395.0	473.7	573.1	697.3	853.3	1058.0	1302.0	1559.5
7.5°	240.5	284.7	336.5	401.3	482.4	585.4	714.8	877.8	1094.6	1348.7	1608.9
5°	242.5	287.2	339.9	405.7	488.7	593.9	727.1	895.0	1120.6	1382.6	1642.7
2.5°	243.6	288.5	341.8	408.0	492.6	598.8	733.6	905.7	1135.0	1401.9	1663.1
0°	243.8	288.7	342.3	408.3	493.7	599.7	734.6	909.1	1138.0	1406.9	1670.5
-2.5°	243.6	288.5	341.8	408.0	492.6	598.8	733.6	905.7	1135.0	1401.9	1663.1
-5°	242.5	287.2	339.9	405.7	488.7	593.9	727.1	895.0	1120.6	1382.6	1642.7
-7.5°	240.5	284.7	336.5	401.3	482.4	585.4	714.8	877.8	1094.6	1348.7	1608.9
-10°	237.8	281.2	332.0	395.0	473.7	573.1	697.3	853.3	1058.0	1302.0	1559.5
-12.5°	234.5	276.8	326.2	386.7	462.2	556.9	674.7	821.6	1011.2	1243.0	1495.1
-15°	230.4	271.2	318.9	376.4	448.0	537.1	647.3	782.8	954.9	1174.2	1419.0
-17.5°	225.5	264.6	310.2	364.2	431.1	513.6	615.1	739.3	897.1	1101.1	1332.3
-20°	219.8	256.9	300.2	350.1	412.4	489.9	584.5	699.5	841.8	1020.7	1233.6

Classified

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

Scaled Data Report



REPORT NUMBER: P626723 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	213.3	248.2	289.6	337.1	395.5	466.7	552.1	654.5	779.5	930.6	1126.6
-25°	206.4	240.1	278.9	323.4	376.6	441.0	516.8	606.3	719.4	854.1	1017.4
-27.5°	199.1	231.3	267.1	308.2	355.7	414.4	484.4	565.1	660.3	773.3	906.0
-30°	191.2	221.6	254.3	292.3	336.7	389.7	451.5	520.5	601.3	701.2	814.9
-32.5°	182.6	211.2	242.1	277.3	317.2	363.0	417.4	479.8	550.0	629.7	726.5
-35°	174.1	201.1	229.9	261.2	296.5	338.4	386.3	439.3	498.6	568.6	646.0
-37.5°	166.1	190.5	217.0	245.5	278.1	314.3	354.4	402.3	453.8	508.0	574.4
-40°	157.6	179.3	204.4	230.8	258.8	290.9	327.2	366.4	410.9	458.7	507.4
-42.5°	148.8	169.3	191.7	215.2	241.1	269.2	299.4	334.6	371.2	411.5	454.4
-45°	141.2	159.0	178.8	200.8	223.5	248.0	275.3	303.3	335.7	368.2	404.8
-47.5°	133.2	148.7	166.9	185.9	206.6	228.3	251.2	276.7	302.2	331.0	358.8
-50°	125.1	139.6	154.5	172.0	190.1	209.2	229.4	250.9	273.7	296.6	320.9
-52.5°	117.3	130.2	143.6	158.3	174.4	191.1	208.6	227.0	246.7	266.4	286.5
-55°	109.4	121.2	132.7	145.4	159.3	174.1	189.0	205.1	220.9	238.6	255.0
-57.5°	102.0	112.0	122.1	132.9	144.9	157.5	170.8	184.0	198.3	212.4	225.9
-60°	94.8	102.9	111.7	120.9	130.6	141.6	152.7	164.4	176.4	188.1	199.9
-62.5°	87.4	93.9	101.1	109.3	117.7	125.8	135.2	145.1	155.1	164.8	174.4
-65°	78.6	84.4	90.2	96.9	104.7	111.2	118.2	125.9	134.4	142.1	149.2
-67.5°	69.4	74.5	79.3	83.9	89.9	95.6	101.3	107.2	113.8	120.6	126.7
-70°	59.5	64.6	68.8	72.5	75.8	79.4	84.0	88.5	93.7	100.2	106.2
-72.5°	49.5	54.0	58.0	61.4	63.5	65.2	67.3	70.0	74.9	81.5	87.2
-75°	40.0	43.6	47.1	50.2	51.5	51.6	51.5	52.4	57.2	63.9	69.8
-77.5°	30.9	33.9	36.6	39.2	39.9	39.8	39.3	38.5	42.2	47.9	53.8
-80°	22.3	24.1	26.3	28.3	28.7	28.5	27.9	26.9	29.8	33.9	38.3
-82.5°	14.5	15.8	17.0	18.1	18.2	17.9	17.3	16.7	18.9	21.6	24.4
-85°	7.5	7.5	8.1	8.6	8.9	8.9	8.7	8.3	9.4	10.7	12.0
-87.5°	3.7	3.7	3.7	3.6	3.4	3.2	2.9	2.6	2.7	2.8	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



REPORT NUMBER: P626723 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-727-U-WR-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°	3.0	3.0	2.9	2.8	2.6	2.6	2.5	2.5	2.4	2.2	2.0
85°	13.4	13.7	13.9	14.0	14.0	14.4	14.8	15.2	15.5	14.1	12.5
82.5°	27.3	28.5	29.7	30.8	31.9	32.6	33.2	33.6	33.9	30.7	27.1
80°	42.9	45.6	47.8	50.0	52.0	52.5	52.5	52.2	51.6	47.3	42.3
77.5°	59.7	63.2	66.0	68.8	71.5	72.5	73.0	73.4	73.6	68.2	61.5
75°	74.9	79.1	83.0	86.7	90.0	91.8	92.9	93.7	94.4	88.9	81.7
72.5°	92.3	96.7	101.0	105.0	108.5	110.9	112.4	113.7	114.7	111.6	107.1
70°	111.4	116.0	120.4	124.6	128.6	131.8	134.3	136.4	138.2	138.6	138.4
67.5°	132.5	138.0	143.3	147.9	152.6	157.1	161.0	164.3	166.9	168.6	169.6
65°	156.3	164.5	171.8	177.9	183.1	189.1	194.3	198.3	201.1	203.2	205.1
62.5°	184.4	194.2	202.5	210.8	219.3	227.5	232.6	237.8	242.8	247.6	251.6
60°	211.3	222.1	233.4	243.9	253.6	262.5	271.7	279.9	287.1	293.1	297.6
57.5°	240.0	253.3	266.0	279.4	291.9	303.6	315.0	325.5	334.6	342.3	348.5
55°	271.3	287.4	302.6	319.5	335.9	350.8	364.5	378.7	391.4	402.5	411.4
52.5°	304.9	325.9	346.0	365.9	387.1	406.2	423.4	442.9	460.2	474.5	485.7
50°	345.1	369.7	396.3	420.9	447.7	474.0	498.3	521.9	544.9	564.8	581.0
47.5°	390.8	421.2	454.1	486.7	519.9	556.0	588.1	618.0	650.2	678.2	700.6
45°	441.6	480.3	520.1	565.9	608.1	654.4	697.3	735.8	781.5	821.7	854.1
42.5°	498.0	549.6	601.9	659.6	715.5	774.4	836.8	892.2	952.8	1010.5	1057.2
40°	567.9	629.5	699.5	769.4	849.8	925.3	1016.3	1099.0	1174.0	1242.9	1299.3
37.5°	645.6	724.9	812.9	903.9	1013.9	1121.7	1228.2	1328.7	1417.5	1492.8	1556.1
35°	733.7	834.6	941.1	1074.0	1202.9	1331.9	1452.2	1562.1	1658.7	1743.7	1816.0
32.5°	835.1	956.2	1105.4	1254.6	1401.6	1543.7	1675.8	1795.6	1901.5	1997.0	2080.2
30°	941.8	1107.0	1274.4	1438.0	1598.6	1754.3	1899.2	2031.3	2150.9	2257.2	2353.0
27.5°	1077.3	1260.3	1442.8	1619.4	1796.0	1966.4	2123.5	2270.1	2407.4	2527.5	2637.0
25°	1208.4	1410.5	1604.6	1797.0	1989.3	2172.2	2347.9	2513.5	2670.7	2808.6	2930.8
22.5°	1339.4	1551.0	1758.4	1965.3	2171.8	2375.8	2573.0	2762.8	2938.6	3095.6	3233.2
20°	1460.8	1682.0	1903.8	2126.8	2350.7	2574.0	2795.4	3009.0	3204.9	3386.1	3545.4
17.5°	1569.6	1804.8	2040.0	2278.5	2521.2	2763.6	3009.7	3249.1	3473.0	3679.3	3864.0
15°	1665.9	1911.4	2163.9	2421.4	2682.0	2945.3	3213.8	3481.6	3733.7	3967.9	4174.2
12.5°	1750.2	2005.4	2270.0	2543.6	2826.5	3113.3	3406.3	3699.9	3978.9	4249.4	4472.1
10°	1819.7	2085.4	2362.0	2649.4	2947.7	3256.3	3570.7	3886.8	4194.2	4481.1	4735.8
7.5°	1873.4	2149.0	2434.0	2733.0	3045.9	3371.4	3704.4	4039.8	4367.9	4677.0	4958.9
5°	1911.2	2195.3	2484.0	2795.0	3118.7	3456.0	3802.1	4151.6	4494.6	4819.7	5111.7
2.5°	1933.2	2223.1	2513.0	2832.6	3162.0	3507.2	3862.7	4218.0	4570.0	4907.1	5207.3
0°	1939.0	2231.5	2529.7	2836.6	3175.6	3531.2	3873.9	4230.3	4596.2	4928.6	5227.6
-2.5°	1933.2	2223.1	2513.0	2832.6	3162.0	3507.2	3862.7	4218.0	4570.0	4907.1	5207.3
-5°	1911.2	2195.3	2484.0	2795.0	3118.7	3456.0	3802.1	4151.6	4494.6	4819.7	5111.7
-7.5°	1873.4	2149.0	2434.0	2733.0	3045.9	3371.4	3704.4	4039.8	4367.9	4677.0	4958.9
-10°	1819.7	2085.4	2362.0	2649.4	2947.7	3256.3	3570.7	3886.8	4194.2	4481.1	4735.8
-12.5°	1750.2	2005.4	2270.0	2543.6	2826.5	3113.3	3406.3	3699.9	3978.9	4249.4	4472.1
-15°	1665.9	1911.4	2163.9	2421.4	2682.0	2945.3	3213.8	3481.6	3733.7	3967.9	4174.2
-17.5°	1569.6	1804.8	2040.0	2278.5	2521.2	2763.6	3009.7	3249.1	3473.0	3679.3	3864.0
-20°	1460.8	1682.0	1903.8	2126.8	2350.7	2574.0	2795.4	3009.0	3204.9	3386.1	3545.4



REPORT NUMBER: P626723 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1339.4	1551.0	1758.4	1965.3	2171.8	2375.8	2573.0	2762.8	2938.6	3095.6	3233.2
-25°	1208.4	1410.5	1604.6	1797.0	1989.3	2172.2	2347.9	2513.5	2670.7	2808.6	2930.8
-27.5°	1077.3	1260.3	1442.8	1619.4	1796.0	1966.4	2123.5	2270.1	2407.4	2527.5	2637.0
-30°	941.8	1107.0	1274.4	1438.0	1598.6	1754.3	1899.2	2031.3	2150.9	2257.2	2353.0
-32.5°	835.1	956.2	1105.4	1254.6	1401.6	1543.7	1675.8	1795.6	1901.5	1997.0	2080.2
-35°	733.7	834.6	941.1	1074.0	1202.9	1331.9	1452.2	1562.1	1658.7	1743.7	1816.0
-37.5°	645.6	724.9	812.9	903.9	1013.9	1121.7	1228.2	1328.7	1417.5	1492.8	1556.1
-40°	567.9	629.5	699.5	769.4	849.8	925.3	1016.3	1099.0	1174.0	1242.9	1299.3
-42.5°	498.0	549.6	601.9	659.6	715.5	774.4	836.8	892.2	952.8	1010.5	1057.2
-45°	441.6	480.3	520.1	565.9	608.1	654.4	697.3	735.8	781.5	821.7	854.1
-47.5°	390.8	421.2	454.1	486.7	519.9	556.0	588.1	618.0	650.2	678.2	700.6
-50°	345.1	369.7	396.3	420.9	447.7	474.0	498.3	521.9	544.9	564.8	581.0
-52.5°	304.9	325.9	346.0	365.9	387.1	406.2	423.4	442.9	460.2	474.5	485.7
-55°	271.3	287.4	302.6	319.5	335.9	350.8	364.5	378.7	391.4	402.5	411.4
-57.5°	240.0	253.3	266.0	279.4	291.9	303.6	315.0	325.5	334.6	342.3	348.5
-60°	211.3	222.1	233.4	243.9	253.6	262.5	271.7	279.9	287.1	293.1	297.6
-62.5°	184.4	194.2	202.5	210.8	219.3	227.5	232.6	237.8	242.8	247.6	251.6
-65°	156.3	164.5	171.8	177.9	183.1	189.1	194.3	198.3	201.1	203.2	205.1
-67.5°	132.5	138.0	143.3	147.9	152.6	157.1	161.0	164.3	166.9	168.6	169.6
-70°	111.4	116.0	120.4	124.6	128.6	131.8	134.3	136.4	138.2	138.6	138.4
-72.5°	92.3	96.7	101.0	105.0	108.5	110.9	112.4	113.7	114.7	111.6	107.1
-75°	74.9	79.1	83.0	86.7	90.0	91.8	92.9	93.7	94.4	88.9	81.7
-77.5°	59.7	63.2	66.0	68.8	71.5	72.5	73.0	73.4	73.6	68.2	61.5
-80°	42.9	45.6	47.8	50.0	52.0	52.5	52.5	52.2	51.6	47.3	42.3
-82.5°	27.3	28.5	29.7	30.8	31.9	32.6	33.2	33.6	33.9	30.7	27.1
-85°	13.4	13.7	13.9	14.0	14.0	14.4	14.8	15.2	15.5	14.1	12.5
-87.5°	3.0	3.0	2.9	2.8	2.6	2.6	2.5	2.5	2.4	2.2	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



REPORT NUMBER: P626723 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-727-U-WR-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°	1.8	1.6	1.4	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.5
85°	10.8	9.1	8.9	8.7	8.9	9.1	10.8	12.5	14.1	15.5	15.2
82.5°	23.3	19.4	18.7	18.1	18.7	19.4	23.3	27.1	30.7	33.9	33.6
80°	37.1	31.8	30.7	29.7	30.7	31.8	37.1	42.3	47.3	51.6	52.2
77.5°	54.4	47.1	44.9	42.9	44.9	47.1	54.4	61.5	68.2	73.6	73.4
75°	74.2	66.5	63.9	61.5	63.9	66.5	74.2	81.7	88.9	94.4	93.7
72.5°	102.5	97.8	93.1	87.9	93.1	97.8	102.5	107.1	111.6	114.7	113.7
70°	138.3	137.9	136.7	134.9	136.7	137.9	138.3	138.4	138.6	138.2	136.4
67.5°	170.0	169.9	170.3	170.4	170.3	169.9	170.0	169.6	168.6	166.9	164.3
65°	206.3	206.7	207.5	207.9	207.5	206.7	206.3	205.1	203.2	201.1	198.3
62.5°	254.7	256.8	257.9	257.8	257.9	256.8	254.7	251.6	247.6	242.8	237.8
60°	300.9	303.1	304.4	304.8	304.4	303.1	300.9	297.6	293.1	287.1	279.9
57.5°	353.5	357.1	359.0	359.3	359.0	357.1	353.5	348.5	342.3	334.6	325.5
55°	418.2	423.0	425.1	424.8	425.1	423.0	418.2	411.4	402.5	391.4	378.7
52.5°	494.2	500.0	504.3	506.9	504.3	500.0	494.2	485.7	474.5	460.2	442.9
50°	593.1	601.4	606.7	608.8	606.7	601.4	593.1	581.0	564.8	544.9	521.9
47.5°	716.8	727.8	736.0	741.6	736.0	727.8	716.8	700.6	678.2	650.2	618.0
45°	878.0	894.8	906.2	912.8	906.2	894.8	878.0	854.1	821.7	781.5	735.8
42.5°	1093.7	1119.7	1135.6	1141.7	1135.6	1119.7	1093.7	1057.2	1010.5	952.8	892.2
40°	1343.9	1375.1	1395.6	1409.8	1395.6	1375.1	1343.9	1299.3	1242.9	1174.0	1099.0
37.5°	1604.6	1637.4	1657.4	1670.9	1657.4	1637.4	1604.6	1556.1	1492.8	1417.5	1328.7
35°	1870.5	1904.9	1923.6	1934.1	1923.6	1904.9	1870.5	1816.0	1743.7	1658.7	1562.1
32.5°	2143.6	2181.4	2201.7	2222.8	2201.7	2181.4	2143.6	2080.2	1997.0	1901.5	1795.6
30°	2428.7	2472.1	2493.4	2503.7	2493.4	2472.1	2428.7	2353.0	2257.2	2150.9	2031.3
27.5°	2725.4	2779.5	2806.2	2823.8	2806.2	2779.5	2725.4	2637.0	2527.5	2407.4	2270.1
25°	3034.1	3101.2	3131.8	3159.1	3131.8	3101.2	3034.1	2930.8	2808.6	2670.7	2513.5
22.5°	3354.4	3438.0	3473.4	3492.8	3473.4	3438.0	3354.4	3233.2	3095.6	2938.6	2762.8
20°	3683.1	3782.9	3832.1	3857.4	3832.1	3782.9	3683.1	3545.4	3386.1	3204.9	3009.0
17.5°	4019.2	4143.4	4207.0	4221.6	4207.0	4143.4	4019.2	3864.0	3679.3	3473.0	3249.1
15°	4349.1	4483.5	4558.7	4586.3	4558.7	4483.5	4349.1	4174.2	3967.9	3733.7	3481.6
12.5°	4661.6	4800.9	4890.7	4906.7	4890.7	4800.9	4661.6	4472.1	4249.4	3978.9	3699.9
10°	4945.0	5089.3	5188.5	5211.1	5188.5	5089.3	4945.0	4735.8	4481.1	4194.2	3886.8
7.5°	5182.0	5340.2	5449.9	5468.9	5449.9	5340.2	5182.0	4958.9	4677.0	4367.9	4039.8
5°	5355.3	5543.2	5633.2	5655.8	5633.2	5543.2	5355.3	5111.7	4819.7	4494.6	4151.6
2.5°	5450.4	5641.6	5766.8	5752.3	5766.8	5641.6	5450.4	5207.3	4907.1	4570.0	4218.0
0°	5461.1	5661.1	5780.8	5836.0	5780.8	5661.1	5461.1	5227.6	4928.6	4596.2	4230.3
-2.5°	5450.4	5641.6	5766.8	5752.3	5766.8	5641.6	5450.4	5207.3	4907.1	4570.0	4218.0
-5°	5355.3	5543.2	5633.2	5655.8	5633.2	5543.2	5355.3	5111.7	4819.7	4494.6	4151.6
-7.5°	5182.0	5340.2	5449.9	5468.9	5449.9	5340.2	5182.0	4958.9	4677.0	4367.9	4039.8
-10°	4945.0	5089.3	5188.5	5211.1	5188.5	5089.3	4945.0	4735.8	4481.1	4194.2	3886.8
-12.5°	4661.6	4800.9	4890.7	4906.7	4890.7	4800.9	4661.6	4472.1	4249.4	3978.9	3699.9
-15°	4349.1	4483.5	4558.7	4586.3	4558.7	4483.5	4349.1	4174.2	3967.9	3733.7	3481.6
-17.5°	4019.2	4143.4	4207.0	4221.6	4207.0	4143.4	4019.2	3864.0	3679.3	3473.0	3249.1
-20°	3683.1	3782.9	3832.1	3857.4	3832.1	3782.9	3683.1	3545.4	3386.1	3204.9	3009.0



REPORT NUMBER: P626723 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3354.4	3438.0	3473.4	3492.8	3473.4	3438.0	3354.4	3233.2	3095.6	2938.6	2762.8
-25°	3034.1	3101.2	3131.8	3159.1	3131.8	3101.2	3034.1	2930.8	2808.6	2670.7	2513.5
-27.5°	2725.4	2779.5	2806.2	2823.8	2806.2	2779.5	2725.4	2637.0	2527.5	2407.4	2270.1
-30°	2428.7	2472.1	2493.4	2503.7	2493.4	2472.1	2428.7	2353.0	2257.2	2150.9	2031.3
-32.5°	2143.6	2181.4	2201.7	2222.8	2201.7	2181.4	2143.6	2080.2	1997.0	1901.5	1795.6
-35°	1870.5	1904.9	1923.6	1934.1	1923.6	1904.9	1870.5	1816.0	1743.7	1658.7	1562.1
-37.5°	1604.6	1637.4	1657.4	1670.9	1657.4	1637.4	1604.6	1556.1	1492.8	1417.5	1328.7
-40°	1343.9	1375.1	1395.6	1409.8	1395.6	1375.1	1343.9	1299.3	1242.9	1174.0	1099.0
-42.5°	1093.7	1119.7	1135.6	1141.7	1135.6	1119.7	1093.7	1057.2	1010.5	952.8	892.2
-45°	878.0	894.8	906.2	912.8	906.2	894.8	878.0	854.1	821.7	781.5	735.8
-47.5°	716.8	727.8	736.0	741.6	736.0	727.8	716.8	700.6	678.2	650.2	618.0
-50°	593.1	601.4	606.7	608.8	606.7	601.4	593.1	581.0	564.8	544.9	521.9
-52.5°	494.2	500.0	504.3	506.9	504.3	500.0	494.2	485.7	474.5	460.2	442.9
-55°	418.2	423.0	425.1	424.8	425.1	423.0	418.2	411.4	402.5	391.4	378.7
-57.5°	353.5	357.1	359.0	359.3	359.0	357.1	353.5	348.5	342.3	334.6	325.5
-60°	300.9	303.1	304.4	304.8	304.4	303.1	300.9	297.6	293.1	287.1	279.9
-62.5°	254.7	256.8	257.9	257.8	257.9	256.8	254.7	251.6	247.6	242.8	237.8
-65°	206.3	206.7	207.5	207.9	207.5	206.7	206.3	205.1	203.2	201.1	198.3
-67.5°	170.0	169.9	170.3	170.4	170.3	169.9	170.0	169.6	168.6	166.9	164.3
-70°	138.3	137.9	136.7	134.9	136.7	137.9	138.3	138.4	138.6	138.2	136.4
-72.5°	102.5	97.8	93.1	87.9	93.1	97.8	102.5	107.1	111.6	114.7	113.7
-75°	74.2	66.5	63.9	61.5	63.9	66.5	74.2	81.7	88.9	94.4	93.7
-77.5°	54.4	47.1	44.9	42.9	44.9	47.1	54.4	61.5	68.2	73.6	73.4
-80°	37.1	31.8	30.7	29.7	30.7	31.8	37.1	42.3	47.3	51.6	52.2
-82.5°	23.3	19.4	18.7	18.1	18.7	19.4	23.3	27.1	30.7	33.9	33.6
-85°	10.8	9.1	8.9	8.7	8.9	9.1	10.8	12.5	14.1	15.5	15.2
-87.5°	1.8	1.6	1.4	1.2	1.4	1.6	1.8	2.0	2.2	2.4	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





REPORT NUMBER: P626723 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	2.6	2.6	2.8	2.9	3.0	3.0	2.9	2.8	2.7	2.6
85°	14.8	14.4	14.0	14.0	13.9	13.7	13.4	12.0	10.7	9.4	8.3
82.5°	33.2	32.6	31.9	30.8	29.7	28.5	27.3	24.4	21.6	18.9	16.7
80°	52.5	52.5	52.0	50.0	47.8	45.6	42.9	38.3	33.9	29.8	26.9
77.5°	73.0	72.5	71.5	68.8	66.0	63.2	59.7	53.8	47.9	42.2	38.5
75°	92.9	91.8	90.0	86.7	83.0	79.1	74.9	69.8	63.9	57.2	52.4
72.5°	112.4	110.9	108.5	105.0	101.0	96.7	92.3	87.2	81.5	74.9	70.0
70°	134.3	131.8	128.6	124.6	120.4	116.0	111.4	106.2	100.2	93.7	88.5
67.5°	161.0	157.1	152.6	147.9	143.3	138.0	132.5	126.7	120.6	113.8	107.2
65°	194.3	189.1	183.1	177.9	171.8	164.5	156.3	149.2	142.1	134.4	125.9
62.5°	232.6	227.5	219.3	210.8	202.5	194.2	184.4	174.4	164.8	155.1	145.1
60°	271.7	262.5	253.6	243.9	233.4	222.1	211.3	199.9	188.1	176.4	164.4
57.5°	315.0	303.6	291.9	279.4	266.0	253.3	240.0	225.9	212.4	198.3	184.0
55°	364.5	350.8	335.9	319.5	302.6	287.4	271.3	255.0	238.6	220.9	205.1
52.5°	423.4	406.2	387.1	365.9	346.0	325.9	304.9	286.5	266.4	246.7	227.0
50°	498.3	474.0	447.7	420.9	396.3	369.7	345.1	320.9	296.6	273.7	250.9
47.5°	588.1	556.0	519.9	486.7	454.1	421.2	390.8	358.8	331.0	302.2	276.7
45°	697.3	654.4	608.1	565.9	520.1	480.3	441.6	404.8	368.2	335.7	303.3
42.5°	836.8	774.4	715.5	659.6	601.9	549.6	498.0	454.4	411.5	371.2	334.6
40°	1016.3	925.3	849.8	769.4	699.5	629.5	567.9	507.4	458.7	410.9	366.4
37.5°	1228.2	1121.7	1013.9	903.9	812.9	724.9	645.6	574.4	508.0	453.8	402.3
35°	1452.2	1331.9	1202.9	1074.0	941.1	834.6	733.7	646.0	568.6	498.6	439.3
32.5°	1675.8	1543.7	1401.6	1254.6	1105.4	956.2	835.1	726.5	629.7	550.0	479.8
30°	1899.2	1754.3	1598.6	1438.0	1274.4	1107.0	941.8	814.9	701.2	601.3	520.5
27.5°	2123.5	1966.4	1796.0	1619.4	1442.8	1260.3	1077.3	906.0	773.3	660.3	565.1
25°	2347.9	2172.2	1989.3	1797.0	1604.6	1410.5	1208.4	1017.4	854.1	719.4	606.3
22.5°	2573.0	2375.8	2171.8	1965.3	1758.4	1551.0	1339.4	1126.6	930.6	779.5	654.5
20°	2795.4	2574.0	2350.7	2126.8	1903.8	1682.0	1460.8	1233.6	1020.7	841.8	699.5
17.5°	3009.7	2763.6	2521.2	2278.5	2040.0	1804.8	1569.6	1332.3	1101.1	897.1	739.3
15°	3213.8	2945.3	2682.0	2421.4	2163.9	1911.4	1665.9	1419.0	1174.2	954.9	782.8
12.5°	3406.3	3113.3	2826.5	2543.6	2270.0	2005.4	1750.2	1495.1	1243.0	1011.2	821.6
10°	3570.7	3256.3	2947.7	2649.4	2362.0	2085.4	1819.7	1559.5	1302.0	1058.0	853.3
7.5°	3704.4	3371.4	3045.9	2733.0	2434.0	2149.0	1873.4	1608.9	1348.7	1094.6	877.8
5°	3802.1	3456.0	3118.7	2795.0	2484.0	2195.3	1911.2	1642.7	1382.6	1120.6	895.0
2.5°	3862.7	3507.2	3162.0	2832.6	2513.0	2223.1	1933.2	1663.1	1401.9	1135.0	905.7
0°	3873.9	3531.2	3175.6	2836.6	2529.7	2231.5	1939.0	1670.5	1406.9	1138.0	909.1
-2.5°	3862.7	3507.2	3162.0	2832.6	2513.0	2223.1	1933.2	1663.1	1401.9	1135.0	905.7
-5°	3802.1	3456.0	3118.7	2795.0	2484.0	2195.3	1911.2	1642.7	1382.6	1120.6	895.0
-7.5°	3704.4	3371.4	3045.9	2733.0	2434.0	2149.0	1873.4	1608.9	1348.7	1094.6	877.8
-10°	3570.7	3256.3	2947.7	2649.4	2362.0	2085.4	1819.7	1559.5	1302.0	1058.0	853.3
-12.5°	3406.3	3113.3	2826.5	2543.6	2270.0	2005.4	1750.2	1495.1	1243.0	1011.2	821.6
-15°	3213.8	2945.3	2682.0	2421.4	2163.9	1911.4	1665.9	1419.0	1174.2	954.9	782.8
-17.5°	3009.7	2763.6	2521.2	2278.5	2040.0	1804.8	1569.6	1332.3	1101.1	897.1	739.3
-20°	2795.4	2574.0	2350.7	2126.8	1903.8	1682.0	1460.8	1233.6	1020.7	841.8	699.5



REPORT NUMBER: P626723 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2573.0	2375.8	2171.8	1965.3	1758.4	1551.0	1339.4	1126.6	930.6	779.5	654.5
-25°	2347.9	2172.2	1989.3	1797.0	1604.6	1410.5	1208.4	1017.4	854.1	719.4	606.3
-27.5°	2123.5	1966.4	1796.0	1619.4	1442.8	1260.3	1077.3	906.0	773.3	660.3	565.1
-30°	1899.2	1754.3	1598.6	1438.0	1274.4	1107.0	941.8	814.9	701.2	601.3	520.5
-32.5°	1675.8	1543.7	1401.6	1254.6	1105.4	956.2	835.1	726.5	629.7	550.0	479.8
-35°	1452.2	1331.9	1202.9	1074.0	941.1	834.6	733.7	646.0	568.6	498.6	439.3
-37.5°	1228.2	1121.7	1013.9	903.9	812.9	724.9	645.6	574.4	508.0	453.8	402.3
-40°	1016.3	925.3	849.8	769.4	699.5	629.5	567.9	507.4	458.7	410.9	366.4
-42.5°	836.8	774.4	715.5	659.6	601.9	549.6	498.0	454.4	411.5	371.2	334.6
-45°	697.3	654.4	608.1	565.9	520.1	480.3	441.6	404.8	368.2	335.7	303.3
-47.5°	588.1	556.0	519.9	486.7	454.1	421.2	390.8	358.8	331.0	302.2	276.7
-50°	498.3	474.0	447.7	420.9	396.3	369.7	345.1	320.9	296.6	273.7	250.9
-52.5°	423.4	406.2	387.1	365.9	346.0	325.9	304.9	286.5	266.4	246.7	227.0
-55°	364.5	350.8	335.9	319.5	302.6	287.4	271.3	255.0	238.6	220.9	205.1
-57.5°	315.0	303.6	291.9	279.4	266.0	253.3	240.0	225.9	212.4	198.3	184.0
-60°	271.7	262.5	253.6	243.9	233.4	222.1	211.3	199.9	188.1	176.4	164.4
-62.5°	232.6	227.5	219.3	210.8	202.5	194.2	184.4	174.4	164.8	155.1	145.1
-65°	194.3	189.1	183.1	177.9	171.8	164.5	156.3	149.2	142.1	134.4	125.9
-67.5°	161.0	157.1	152.6	147.9	143.3	138.0	132.5	126.7	120.6	113.8	107.2
-70°	134.3	131.8	128.6	124.6	120.4	116.0	111.4	106.2	100.2	93.7	88.5
-72.5°	112.4	110.9	108.5	105.0	101.0	96.7	92.3	87.2	81.5	74.9	70.0
-75°	92.9	91.8	90.0	86.7	83.0	79.1	74.9	69.8	63.9	57.2	52.4
-77.5°	73.0	72.5	71.5	68.8	66.0	63.2	59.7	53.8	47.9	42.2	38.5
-80°	52.5	52.5	52.0	50.0	47.8	45.6	42.9	38.3	33.9	29.8	26.9
-82.5°	33.2	32.6	31.9	30.8	29.7	28.5	27.3	24.4	21.6	18.9	16.7
-85°	14.8	14.4	14.0	14.0	13.9	13.7	13.4	12.0	10.7	9.4	8.3
-87.5°	2.5	2.6	2.6	2.8	2.9	3.0	3.0	2.9	2.8	2.7	2.6
-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: P626723 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	3.2	3.4	3.6	3.7	3.7	3.7	3.7	3.5	3.3	3.1
85°	8.7	8.9	8.9	8.6	8.1	7.5	7.5	7.4	7.0	6.6	6.1
82.5°	17.3	17.9	18.2	18.1	17.0	15.8	14.5	13.2	11.8	10.2	9.2
80°	27.9	28.5	28.7	28.3	26.3	24.1	22.3	20.4	18.5	16.4	14.0
77.5°	39.3	39.8	39.9	39.2	36.6	33.9	30.9	27.8	25.2	22.5	19.6
75°	51.5	51.6	51.5	50.2	47.1	43.6	40.0	36.2	32.3	28.7	25.2
72.5°	67.3	65.2	63.5	61.4	58.0	54.0	49.5	44.4	39.5	34.9	30.7
70°	84.0	79.4	75.8	72.5	68.8	64.6	59.5	53.1	46.6	41.0	35.8
67.5°	101.3	95.6	89.9	83.9	79.3	74.5	69.4	61.7	53.9	47.0	40.9
65°	118.2	111.2	104.7	96.9	90.2	84.4	78.6	69.9	60.9	52.9	45.9
62.5°	135.2	125.8	117.7	109.3	101.1	93.9	87.4	77.5	67.7	58.5	50.6
60°	152.7	141.6	130.6	120.9	111.7	102.9	94.8	84.8	74.2	63.9	55.0
57.5°	170.8	157.5	144.9	132.9	122.1	112.0	102.0	91.6	80.5	69.4	59.0
55°	189.0	174.1	159.3	145.4	132.7	121.2	109.4	98.1	86.6	74.8	62.2
52.5°	208.6	191.1	174.4	158.3	143.6	130.2	117.3	104.4	92.4	79.9	65.7
50°	229.4	209.2	190.1	172.0	154.5	139.6	125.1	111.4	98.0	84.8	69.0
47.5°	251.2	228.3	206.6	185.9	166.9	148.7	133.2	118.2	103.5	89.7	72.0
45°	275.3	248.0	223.5	200.8	178.8	159.0	141.2	124.8	109.4	93.2	74.7
42.5°	299.4	269.2	241.1	215.2	191.7	169.3	148.8	131.7	115.1	96.4	77.3
40°	327.2	290.9	258.8	230.8	204.4	179.3	157.6	138.3	120.4	99.6	79.8
37.5°	354.4	314.3	278.1	245.5	217.0	190.5	166.1	144.6	124.6	103.1	82.1
35°	386.3	338.4	296.5	261.2	229.9	201.1	174.1	151.0	129.2	106.4	84.2
32.5°	417.4	363.0	317.2	277.3	242.1	211.2	182.6	157.5	133.9	109.6	86.0
30°	451.5	389.7	336.7	292.3	254.3	221.6	191.2	163.7	138.6	112.6	87.7
27.5°	484.4	414.4	355.7	308.2	267.1	231.3	199.1	169.5	143.4	115.7	89.9
25°	516.8	441.0	376.6	323.4	278.9	240.1	206.4	174.9	148.0	119.2	91.9
22.5°	552.1	466.7	395.5	337.1	289.6	248.2	213.3	180.8	152.3	122.6	93.6
20°	584.5	489.9	412.4	350.1	300.2	256.9	219.8	186.1	156.1	125.7	95.0
17.5°	615.1	513.6	431.1	364.2	310.2	264.6	225.5	190.8	159.5	128.6	96.2
15°	647.3	537.1	448.0	376.4	318.9	271.2	230.4	194.8	162.4	131.2	97.3
12.5°	674.7	556.9	462.2	386.7	326.2	276.8	234.5	198.1	164.8	133.4	98.3
10°	697.3	573.1	473.7	395.0	332.0	281.2	237.8	200.8	166.8	135.1	98.8
7.5°	714.8	585.4	482.4	401.3	336.5	284.7	240.5	202.9	168.4	136.3	99.0
5°	727.1	593.9	488.7	405.7	339.9	287.2	242.5	204.3	169.4	137.0	98.7
2.5°	733.6	598.8	492.6	408.0	341.8	288.5	243.6	205.0	170.0	137.0	98.0
0°	734.6	599.7	493.7	408.3	342.3	288.7	243.8	205.0	169.9	136.5	96.9
-2.5°	733.6	598.8	492.6	408.0	341.8	288.5	243.6	205.0	170.0	137.0	98.0
-5°	727.1	593.9	488.7	405.7	339.9	287.2	242.5	204.3	169.4	137.0	98.7
-7.5°	714.8	585.4	482.4	401.3	336.5	284.7	240.5	202.9	168.4	136.3	99.0
-10°	697.3	573.1	473.7	395.0	332.0	281.2	237.8	200.8	166.8	135.1	98.8
-12.5°	674.7	556.9	462.2	386.7	326.2	276.8	234.5	198.1	164.8	133.4	98.3
-15°	647.3	537.1	448.0	376.4	318.9	271.2	230.4	194.8	162.4	131.2	97.3
-17.5°	615.1	513.6	431.1	364.2	310.2	264.6	225.5	190.8	159.5	128.6	96.2
-20°	584.5	489.9	412.4	350.1	300.2	256.9	219.8	186.1	156.1	125.7	95.0

Classified

Cooper Lighting Solutions Photometric Lab  
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Scaled Data Report



REPORT NUMBER: P626723 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	552.1	466.7	395.5	337.1	289.6	248.2	213.3	180.8	152.3	122.6	93.6
-25°	516.8	441.0	376.6	323.4	278.9	240.1	206.4	174.9	148.0	119.2	91.9
-27.5°	484.4	414.4	355.7	308.2	267.1	231.3	199.1	169.5	143.4	115.7	89.9
-30°	451.5	389.7	336.7	292.3	254.3	221.6	191.2	163.7	138.6	112.6	87.7
-32.5°	417.4	363.0	317.2	277.3	242.1	211.2	182.6	157.5	133.9	109.6	86.0
-35°	386.3	338.4	296.5	261.2	229.9	201.1	174.1	151.0	129.2	106.4	84.2
-37.5°	354.4	314.3	278.1	245.5	217.0	190.5	166.1	144.6	124.6	103.1	82.1
-40°	327.2	290.9	258.8	230.8	204.4	179.3	157.6	138.3	120.4	99.6	79.8
-42.5°	299.4	269.2	241.1	215.2	191.7	169.3	148.8	131.7	115.1	96.4	77.3
-45°	275.3	248.0	223.5	200.8	178.8	159.0	141.2	124.8	109.4	93.2	74.7
-47.5°	251.2	228.3	206.6	185.9	166.9	148.7	133.2	118.2	103.5	89.7	72.0
-50°	229.4	209.2	190.1	172.0	154.5	139.6	125.1	111.4	98.0	84.8	69.0
-52.5°	208.6	191.1	174.4	158.3	143.6	130.2	117.3	104.4	92.4	79.9	65.7
-55°	189.0	174.1	159.3	145.4	132.7	121.2	109.4	98.1	86.6	74.8	62.2
-57.5°	170.8	157.5	144.9	132.9	122.1	112.0	102.0	91.6	80.5	69.4	59.0
-60°	152.7	141.6	130.6	120.9	111.7	102.9	94.8	84.8	74.2	63.9	55.0
-62.5°	135.2	125.8	117.7	109.3	101.1	93.9	87.4	77.5	67.7	58.5	50.6
-65°	118.2	111.2	104.7	96.9	90.2	84.4	78.6	69.9	60.9	52.9	45.9
-67.5°	101.3	95.6	89.9	83.9	79.3	74.5	69.4	61.7	53.9	47.0	40.9
-70°	84.0	79.4	75.8	72.5	68.8	64.6	59.5	53.1	46.6	41.0	35.8
-72.5°	67.3	65.2	63.5	61.4	58.0	54.0	49.5	44.4	39.5	34.9	30.7
-75°	51.5	51.6	51.5	50.2	47.1	43.6	40.0	36.2	32.3	28.7	25.2
-77.5°	39.3	39.8	39.9	39.2	36.6	33.9	30.9	27.8	25.2	22.5	19.6
-80°	27.9	28.5	28.7	28.3	26.3	24.1	22.3	20.4	18.5	16.4	14.0
-82.5°	17.3	17.9	18.2	18.1	17.0	15.8	14.5	13.2	11.8	10.2	9.2
-85°	8.7	8.9	8.9	8.6	8.1	7.5	7.5	7.4	7.0	6.6	6.1
-87.5°	2.9	3.2	3.4	3.6	3.7	3.7	3.7	3.7	3.5	3.3	3.1
-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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REPORT NUMBER: P626723 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-727-U-WR-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°	2.8	2.2	1.6	1.1	0.7	0.3	0.0
85°	5.5	4.3	3.2	2.2	1.4	0.6	0.0
82.5°	8.3	6.4	4.8	3.3	2.0	0.9	0.0
80°	11.2	8.5	6.4	4.4	2.7	1.2	0.0
77.5°	16.0	11.1	7.9	5.5	3.4	1.5	0.0
75°	20.7	14.6	9.6	6.5	4.0	1.8	0.0
72.5°	25.2	17.9	11.9	7.6	4.6	2.0	0.0
70°	29.5	21.1	14.1	8.7	5.2	2.3	0.0
67.5°	33.2	24.1	16.2	10.0	5.8	2.6	0.0
65°	36.8	26.9	18.2	11.3	6.4	2.8	0.0
62.5°	40.1	29.5	20.1	12.5	7.0	3.1	0.0
60°	43.2	31.9	21.9	13.7	7.5	3.3	0.0
57.5°	46.1	34.1	23.6	14.8	8.2	3.6	0.0
55°	48.7	36.2	25.1	15.8	8.8	3.8	0.0
52.5°	51.1	38.1	26.5	16.7	9.4	4.0	0.0
50°	53.2	39.8	27.8	17.5	10.0	4.2	0.0
47.5°	55.3	41.4	28.9	18.3	10.6	4.4	0.0
45°	57.5	42.8	29.9	19.0	11.1	4.6	0.0
42.5°	59.6	44.0	30.8	19.7	11.6	4.8	0.0
40°	61.3	45.0	31.6	20.4	12.0	4.9	0.0
37.5°	62.8	45.8	32.3	21.1	12.5	5.1	0.0
35°	64.1	46.8	32.9	21.8	12.9	5.2	0.0
32.5°	65.3	47.7	33.3	22.4	13.2	5.3	0.0
30°	66.5	48.4	33.6	22.9	13.6	5.5	0.0
27.5°	67.6	48.8	34.3	23.4	13.9	5.6	0.0
25°	68.4	49.1	35.0	23.9	14.1	5.6	0.0
22.5°	69.0	49.5	35.6	24.2	14.4	5.7	0.0
20°	69.3	50.4	36.1	24.5	14.5	5.8	0.0
17.5°	70.1	51.2	36.6	24.8	14.7	5.8	0.0
15°	71.0	51.8	36.9	24.9	14.8	5.9	0.0
12.5°	71.7	52.2	37.2	25.1	14.9	5.9	0.0
10°	72.1	52.5	37.4	25.1	15.0	5.9	0.0
7.5°	72.3	52.6	37.4	25.1	15.0	5.9	0.0
5°	72.3	52.5	37.4	25.0	14.9	5.9	0.0
2.5°	71.9	52.3	37.3	24.9	14.9	5.8	0.0
0°	71.4	52.0	37.1	24.7	14.8	5.8	0.0
-2.5°	71.9	52.3	37.3	24.9	14.9	5.8	0.0
-5°	72.3	52.5	37.4	25.0	14.9	5.9	0.0
-7.5°	72.3	52.6	37.4	25.1	15.0	5.9	0.0
-10°	72.1	52.5	37.4	25.1	15.0	5.9	0.0
-12.5°	71.7	52.2	37.2	25.1	14.9	5.9	0.0
-15°	71.0	51.8	36.9	24.9	14.8	5.9	0.0
-17.5°	70.1	51.2	36.6	24.8	14.7	5.8	0.0
-20°	69.3	50.4	36.1	24.5	14.5	5.8	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	69.0	49.5	35.6	24.2	14.4	5.7	0.0
-25°	68.4	49.1	35.0	23.9	14.1	5.6	0.0
-27.5°	67.6	48.8	34.3	23.4	13.9	5.6	0.0
-30°	66.5	48.4	33.6	22.9	13.6	5.5	0.0
-32.5°	65.3	47.7	33.3	22.4	13.2	5.3	0.0
-35°	64.1	46.8	32.9	21.8	12.9	5.2	0.0
-37.5°	62.8	45.8	32.3	21.1	12.5	5.1	0.0
-40°	61.3	45.0	31.6	20.4	12.0	4.9	0.0
-42.5°	59.6	44.0	30.8	19.7	11.6	4.8	0.0
-45°	57.5	42.8	29.9	19.0	11.1	4.6	0.0
-47.5°	55.3	41.4	28.9	18.3	10.6	4.4	0.0
-50°	53.2	39.8	27.8	17.5	10.0	4.2	0.0
-52.5°	51.1	38.1	26.5	16.7	9.4	4.0	0.0
-55°	48.7	36.2	25.1	15.8	8.8	3.8	0.0
-57.5°	46.1	34.1	23.6	14.8	8.2	3.6	0.0
-60°	43.2	31.9	21.9	13.7	7.5	3.3	0.0
-62.5°	40.1	29.5	20.1	12.5	7.0	3.1	0.0
-65°	36.8	26.9	18.2	11.3	6.4	2.8	0.0
-67.5°	33.2	24.1	16.2	10.0	5.8	2.6	0.0
-70°	29.5	21.1	14.1	8.7	5.2	2.3	0.0
-72.5°	25.2	17.9	11.9	7.6	4.6	2.0	0.0
-75°	20.7	14.6	9.6	6.5	4.0	1.8	0.0
-77.5°	16.0	11.1	7.9	5.5	3.4	1.5	0.0
-80°	11.2	8.5	6.4	4.4	2.7	1.2	0.0
-82.5°	8.3	6.4	4.8	3.3	2.0	0.9	0.0
-85°	5.5	4.3	3.2	2.2	1.4	0.6	0.0
-87.5°	2.8	2.2	1.6	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)