

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: P645298 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1A-727-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645298 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/4/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA1A-727-U-LAM-XX  
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN  
Light Source: (16) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

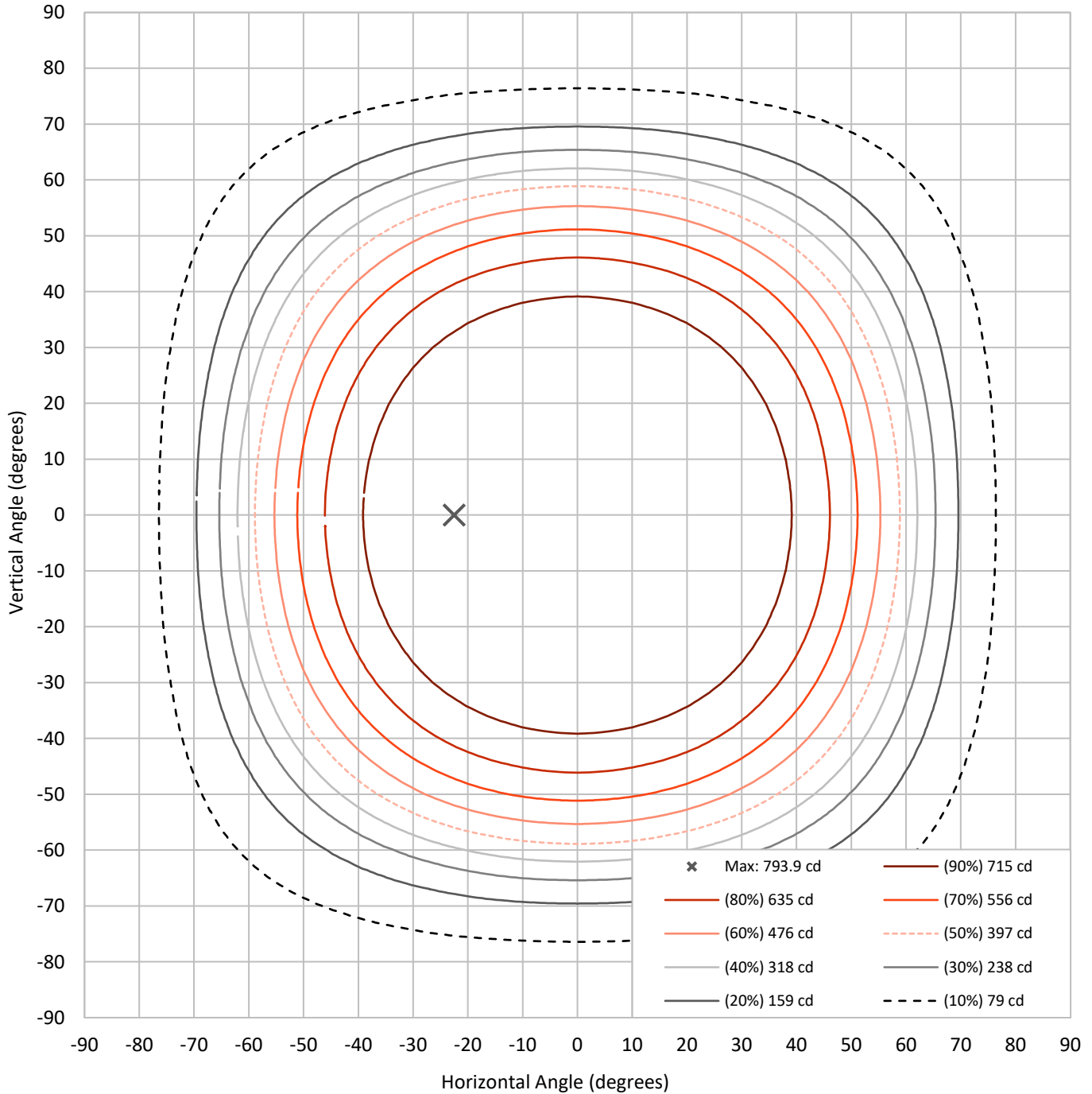
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	2428.7 lumens	Max Intensity:	793.9 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	134.2 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	2021.2 lumens	Field Lumens:	2381 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	18.1		
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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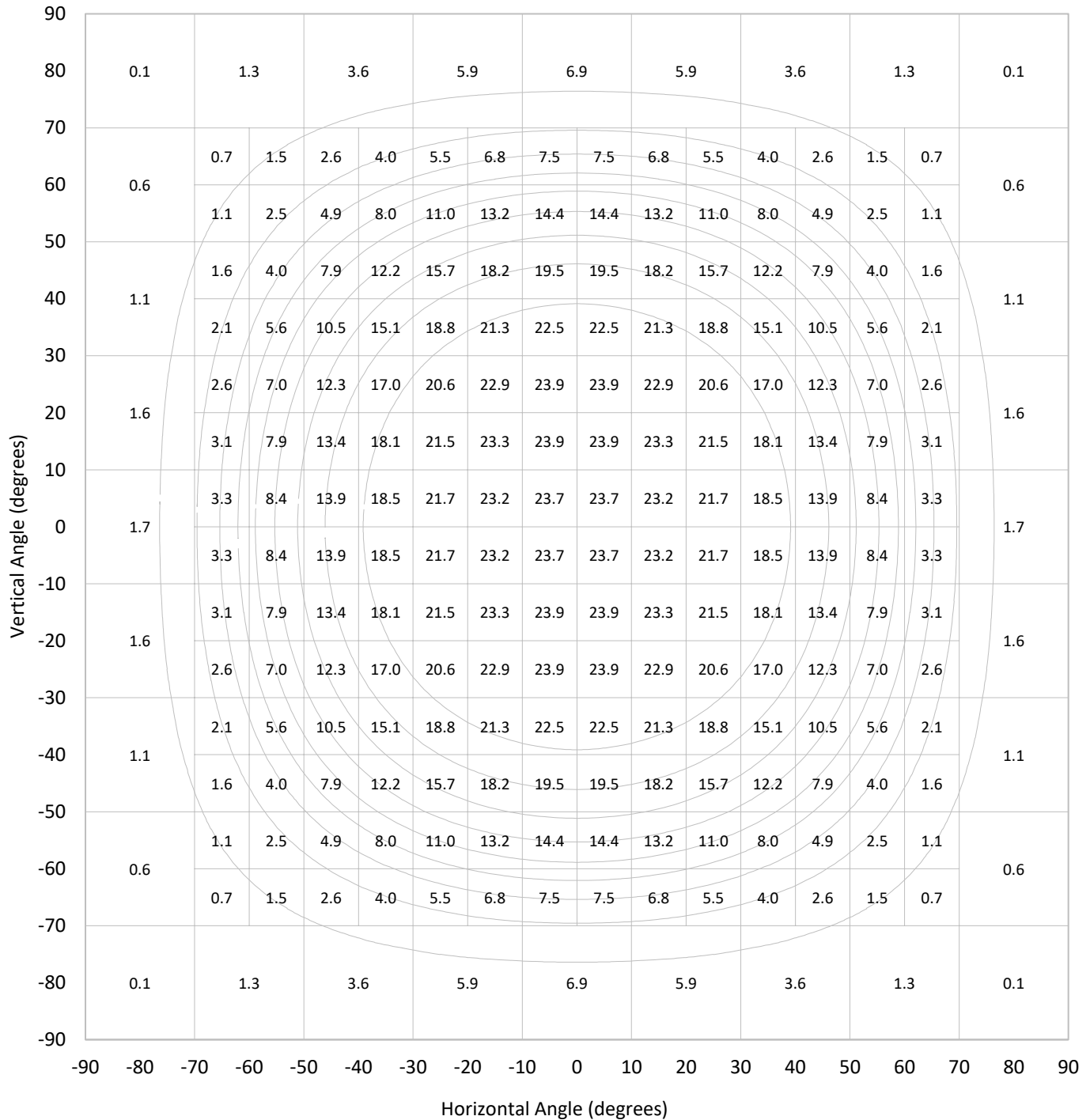
### Iso-Candela Plot





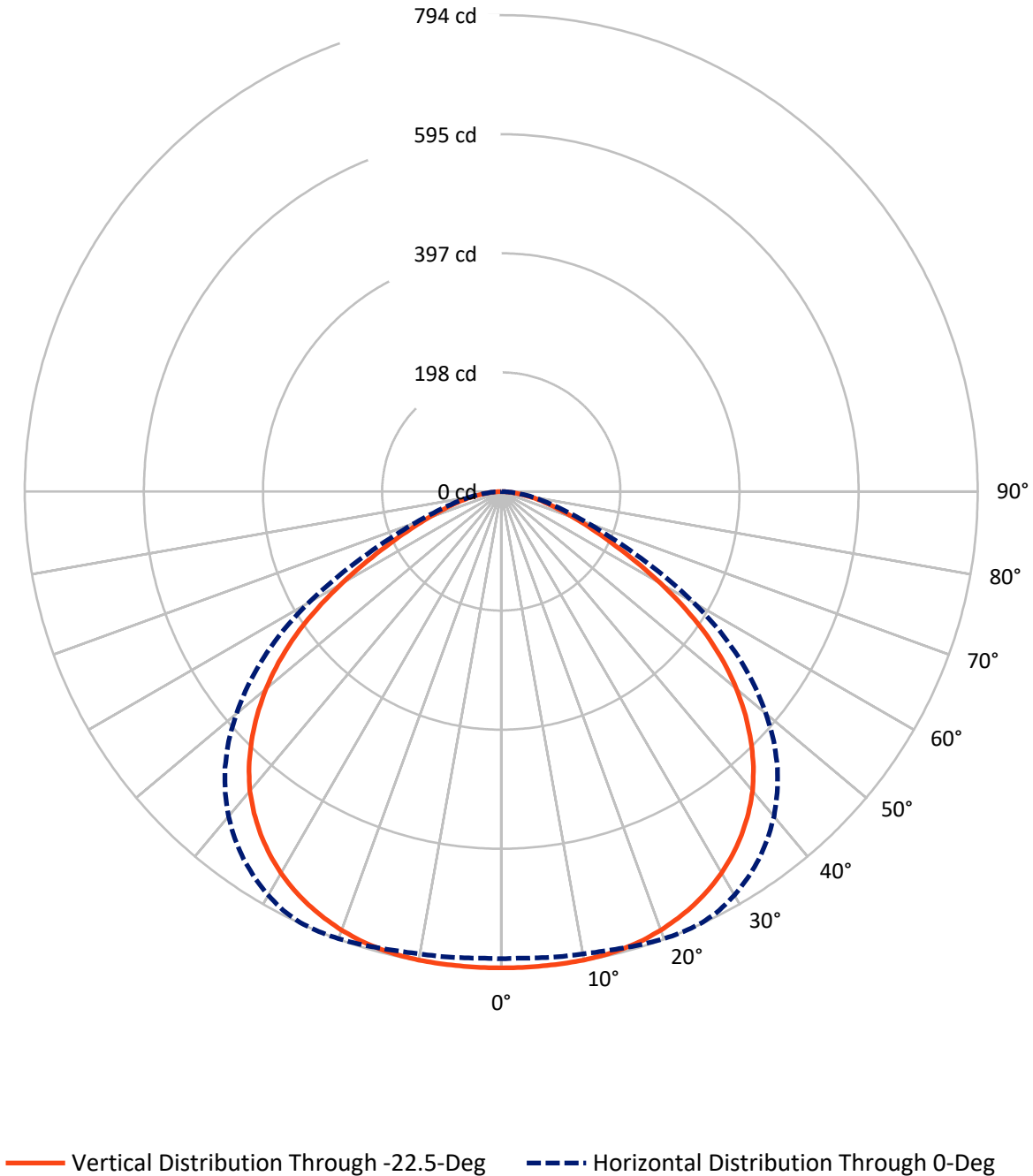
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### Lumen Table



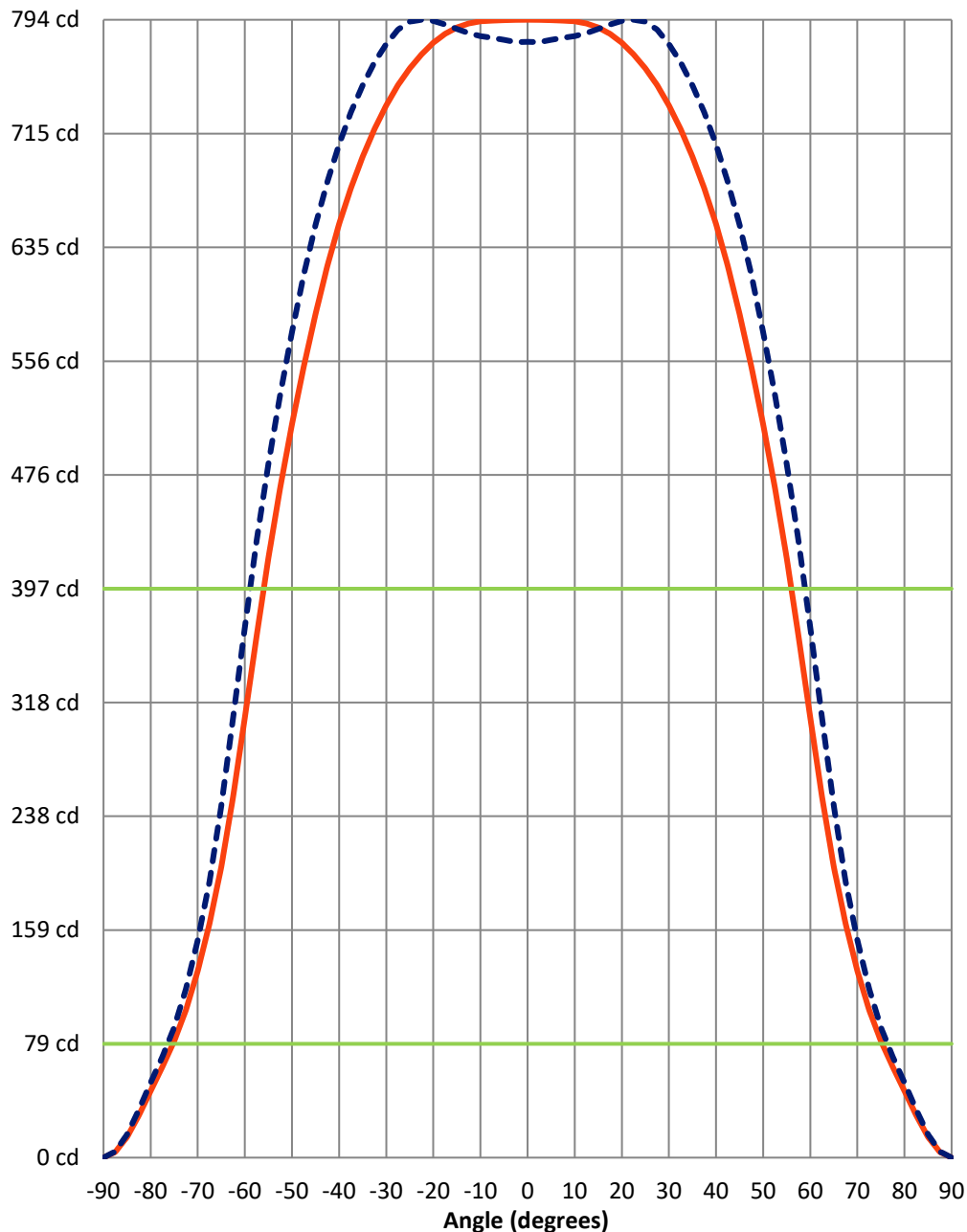
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 2021.2  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 2381  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 47.8  
 Efficiency: 2.0%

— Vertical Distribution through -22.5-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	0.2	0.4	0.6	0.7	0.9	1.1	1.3	1.5	1.6	1.8
85°	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	2.9	3.3	3.6
82.5°	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.6	6.0	7.5
80°	0.0	0.7	1.5	2.2	3.0	3.7	4.7	6.6	8.6	10.5	12.4
77.5°	0.0	0.9	1.9	2.8	3.7	5.2	7.7	10.2	12.6	15.0	17.9
75°	0.0	1.1	2.2	3.3	4.7	7.7	10.7	13.6	16.7	20.9	25.0
72.5°	0.0	1.3	2.6	3.9	6.6	10.2	13.6	17.5	22.4	27.3	32.0
70°	0.0	1.5	2.9	4.6	8.6	12.6	16.7	22.4	28.0	33.6	39.5
67.5°	0.0	1.6	3.3	6.0	10.5	15.0	20.9	27.3	33.6	40.4	47.1
65°	0.0	1.8	3.6	7.5	12.4	17.9	25.0	32.0	39.5	47.1	54.4
62.5°	0.0	2.0	4.0	8.8	14.3	21.3	29.0	37.0	45.4	53.6	61.4
60°	0.0	2.1	4.3	10.2	16.1	24.5	33.0	42.1	51.1	59.8	68.2
57.5°	0.0	2.3	5.2	11.5	18.6	27.7	37.1	47.0	56.6	65.8	75.5
55°	0.0	2.5	6.0	12.8	21.1	30.9	41.2	51.8	61.8	71.9	82.9
52.5°	0.0	2.6	6.9	14.1	23.5	33.9	45.2	56.3	66.9	78.4	90.1
50°	0.0	2.8	7.7	15.3	25.9	37.2	49.1	60.6	72.0	84.7	99.1
47.5°	0.0	2.9	8.5	16.6	28.2	40.3	52.8	64.8	77.5	90.8	108.0
45°	0.0	3.0	9.2	18.2	30.3	43.3	56.2	68.8	82.7	98.4	116.6
42.5°	0.0	3.2	9.9	19.8	32.4	46.1	59.5	72.9	87.7	105.8	126.7
40°	0.0	3.3	10.6	21.3	34.5	48.9	62.7	77.1	92.9	112.9	136.7
37.5°	0.0	3.4	11.3	22.7	36.6	51.4	65.7	81.1	98.9	120.2	146.2
35°	0.0	3.5	11.9	24.0	38.5	53.8	68.5	84.8	104.6	128.3	156.0
32.5°	0.0	3.6	12.5	25.3	40.4	56.0	71.3	88.4	109.9	135.9	166.2
30°	0.0	3.7	13.0	26.5	42.1	58.1	74.1	91.9	114.9	143.0	175.8
27.5°	0.0	3.8	13.5	27.5	43.7	60.0	76.7	96.0	120.0	149.7	184.8
25°	0.0	3.9	14.0	28.5	45.2	61.8	79.1	99.7	125.4	156.6	193.1
22.5°	0.0	4.0	14.4	29.5	46.5	63.4	81.3	103.1	130.3	163.3	202.9
20°	0.0	4.0	14.8	30.3	47.7	64.9	83.3	106.1	134.8	169.4	211.7
17.5°	0.0	4.1	15.1	31.0	48.8	66.1	85.1	108.8	138.7	174.8	219.5
15°	0.0	4.2	15.4	31.6	49.7	67.3	86.6	111.2	142.2	179.5	226.3
12.5°	0.0	4.2	15.6	32.2	50.5	68.2	87.9	113.2	145.1	183.5	232.2
10°	0.0	4.2	15.8	32.6	51.1	69.0	89.0	114.8	147.5	186.8	236.9
7.5°	0.0	4.3	16.0	33.0	51.6	69.6	89.8	116.1	149.4	189.4	240.7
5°	0.0	4.3	16.1	33.2	52.0	70.1	90.4	117.1	150.7	191.2	243.4
2.5°	0.0	4.3	16.2	33.4	52.2	70.3	90.8	117.6	151.5	192.3	245.0
0°	0.0	4.3	16.2	33.4	52.2	70.3	90.8	117.6	151.5	192.3	245.0
-2.5°	0.0	4.3	16.2	33.4	52.2	70.3	90.8	117.6	151.5	192.3	245.0
-5°	0.0	4.3	16.1	33.2	52.0	70.1	90.4	117.1	150.7	191.2	243.4
-7.5°	0.0	4.3	16.0	33.0	51.6	69.6	89.8	116.1	149.4	189.4	240.7
-10°	0.0	4.2	15.8	32.6	51.1	69.0	89.0	114.8	147.5	186.8	236.9
-12.5°	0.0	4.2	15.6	32.2	50.5	68.2	87.9	113.2	145.1	183.5	232.2
-15°	0.0	4.2	15.4	31.6	49.7	67.3	86.6	111.2	142.2	179.5	226.3
-17.5°	0.0	4.1	15.1	31.0	48.8	66.1	85.1	108.8	138.7	174.8	219.5
-20°	0.0	4.0	14.8	30.3	47.7	64.9	83.3	106.1	134.8	169.4	211.7

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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	4.0	14.4	29.5	46.5	63.4	81.3	103.1	130.3	163.3	202.9
-25°	0.0	3.9	14.0	28.5	45.2	61.8	79.1	99.7	125.4	156.6	193.1
-27.5°	0.0	3.8	13.5	27.5	43.7	60.0	76.7	96.0	120.0	149.7	184.8
-30°	0.0	3.7	13.0	26.5	42.1	58.1	74.1	91.9	114.9	143.0	175.8
-32.5°	0.0	3.6	12.5	25.3	40.4	56.0	71.3	88.4	109.9	135.9	166.2
-35°	0.0	3.5	11.9	24.0	38.5	53.8	68.5	84.8	104.6	128.3	156.0
-37.5°	0.0	3.4	11.3	22.7	36.6	51.4	65.7	81.1	98.9	120.2	146.2
-40°	0.0	3.3	10.6	21.3	34.5	48.9	62.7	77.1	92.9	112.9	136.7
-42.5°	0.0	3.2	9.9	19.8	32.4	46.1	59.5	72.9	87.7	105.8	126.7
-45°	0.0	3.0	9.2	18.2	30.3	43.3	56.2	68.8	82.7	98.4	116.6
-47.5°	0.0	2.9	8.5	16.6	28.2	40.3	52.8	64.8	77.5	90.8	108.0
-50°	0.0	2.8	7.7	15.3	25.9	37.2	49.1	60.6	72.0	84.7	99.1
-52.5°	0.0	2.6	6.9	14.1	23.5	33.9	45.2	56.3	66.9	78.4	90.1
-55°	0.0	2.5	6.0	12.8	21.1	30.9	41.2	51.8	61.8	71.9	82.9
-57.5°	0.0	2.3	5.2	11.5	18.6	27.7	37.1	47.0	56.6	65.8	75.5
-60°	0.0	2.1	4.3	10.2	16.1	24.5	33.0	42.1	51.1	59.8	68.2
-62.5°	0.0	2.0	4.0	8.8	14.3	21.3	29.0	37.0	45.4	53.6	61.4
-65°	0.0	1.8	3.6	7.5	12.4	17.9	25.0	32.0	39.5	47.1	54.4
-67.5°	0.0	1.6	3.3	6.0	10.5	15.0	20.9	27.3	33.6	40.4	47.1
-70°	0.0	1.5	2.9	4.6	8.6	12.6	16.7	22.4	28.0	33.6	39.5
-72.5°	0.0	1.3	2.6	3.9	6.6	10.2	13.6	17.5	22.4	27.3	32.0
-75°	0.0	1.1	2.2	3.3	4.7	7.7	10.7	13.6	16.7	20.9	25.0
-77.5°	0.0	0.9	1.9	2.8	3.7	5.2	7.7	10.2	12.6	15.0	17.9
-80°	0.0	0.7	1.5	2.2	3.0	3.7	4.7	6.6	8.6	10.5	12.4
-82.5°	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.6	6.0	7.5
-85°	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	2.9	3.3	3.6
-87.5°	0.0	0.2	0.4	0.6	0.7	0.9	1.1	1.3	1.5	1.6	1.8
-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: P645298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1A-727-U-LAM-XX

**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°	2.0	2.1	2.3	2.5	2.6	2.8	2.9	3.0	3.2	3.3	3.4
85°	4.0	4.3	5.2	6.0	6.9	7.7	8.5	9.2	9.9	10.6	11.3
82.5°	8.8	10.2	11.5	12.8	14.1	15.3	16.6	18.2	19.8	21.3	22.7
80°	14.3	16.1	18.6	21.1	23.5	25.9	28.2	30.3	32.4	34.5	36.6
77.5°	21.3	24.5	27.7	30.9	33.9	37.2	40.3	43.3	46.1	48.9	51.4
75°	29.0	33.0	37.1	41.2	45.2	49.1	52.8	56.2	59.5	62.7	65.7
72.5°	37.0	42.1	47.0	51.8	56.3	60.6	64.8	68.8	72.9	77.1	81.1
70°	45.4	51.1	56.6	61.8	66.9	72.0	77.5	82.7	87.7	92.9	98.9
67.5°	53.6	59.8	65.8	71.9	78.4	84.7	90.8	98.4	105.8	112.9	120.2
65°	61.4	68.2	75.5	82.9	90.1	99.1	108.0	116.6	126.7	136.7	146.2
62.5°	69.0	77.4	85.7	94.8	105.2	115.3	127.0	139.0	150.5	163.5	176.2
60°	77.4	86.6	97.2	108.8	120.8	134.8	148.3	163.3	178.5	193.1	211.1
57.5°	85.7	97.2	110.0	123.9	139.5	155.1	172.8	189.9	210.4	230.8	251.2
55°	94.8	108.8	123.9	141.0	158.9	178.5	199.0	222.8	245.9	271.6	296.2
52.5°	105.2	120.8	139.5	158.9	180.5	204.0	230.4	257.7	286.4	314.3	341.7
50°	115.3	134.8	155.1	178.5	204.0	232.9	263.6	295.4	326.7	357.3	386.0
47.5°	127.0	148.3	172.8	199.0	230.4	263.6	298.4	333.0	366.8	398.2	428.3
45°	139.0	163.3	189.9	222.8	257.7	295.4	333.0	370.0	404.4	436.9	465.3
42.5°	150.5	178.5	210.4	245.9	286.4	326.7	366.8	404.4	439.6	470.9	499.4
40°	163.5	193.1	230.8	271.6	314.3	357.3	398.2	436.9	470.9	502.0	530.9
37.5°	176.2	211.1	251.2	296.2	341.7	386.0	428.3	465.3	499.4	530.9	558.6
35°	188.2	228.1	272.8	320.1	367.8	412.9	454.1	491.7	525.6	556.1	584.4
32.5°	201.6	244.3	293.2	343.0	391.6	437.5	478.3	515.1	548.8	579.9	608.0
30°	215.3	261.7	312.6	364.5	414.0	458.9	499.6	536.9	570.3	600.9	628.5
27.5°	228.1	278.1	331.1	384.1	434.4	478.9	519.1	555.8	589.4	620.2	647.0
25°	240.0	293.2	348.3	402.0	451.6	496.2	536.8	573.4	606.8	636.5	662.4
22.5°	251.7	307.1	364.0	418.4	467.4	511.7	551.8	588.6	622.0	651.4	676.3
20°	263.0	320.1	377.9	433.0	481.7	525.7	565.6	602.2	634.8	663.3	688.1
17.5°	273.2	331.6	390.0	444.7	493.5	537.7	577.7	614.5	646.4	674.0	698.2
15°	282.0	341.7	400.6	455.0	503.6	547.7	587.7	624.1	655.7	683.1	707.1
12.5°	289.5	350.3	409.7	463.8	512.3	556.2	596.2	632.1	663.2	690.2	713.7
10°	295.7	357.3	417.1	471.0	519.5	563.2	603.3	638.8	669.4	696.1	719.3
7.5°	300.6	362.9	423.0	476.7	525.1	568.7	608.8	644.0	674.3	700.8	723.6
5°	304.0	366.8	427.1	480.7	529.1	572.7	612.8	647.8	677.9	704.2	726.8
2.5°	306.1	369.2	429.7	483.2	531.5	575.1	615.2	650.0	680.0	706.2	728.7
0°	306.8	370.0	430.5	484.0	532.3	575.9	616.0	650.8	680.7	706.9	729.3
-2.5°	306.1	369.2	429.7	483.2	531.5	575.1	615.2	650.0	680.0	706.2	728.7
-5°	304.0	366.8	427.1	480.7	529.1	572.7	612.8	647.8	677.9	704.2	726.8
-7.5°	300.6	362.9	423.0	476.7	525.1	568.7	608.8	644.0	674.3	700.8	723.6
-10°	295.7	357.3	417.1	471.0	519.5	563.2	603.3	638.8	669.4	696.1	719.3
-12.5°	289.5	350.3	409.7	463.8	512.3	556.2	596.2	632.1	663.2	690.2	713.7
-15°	282.0	341.7	400.6	455.0	503.6	547.7	587.7	624.1	655.7	683.1	707.1
-17.5°	273.2	331.6	390.0	444.7	493.5	537.7	577.7	614.5	646.4	674.0	698.2
-20°	263.0	320.1	377.9	433.0	481.7	525.7	565.6	602.2	634.8	663.3	688.1



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 CATALOG NUMBER: GFLD-SA1A-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	251.7	307.1	364.0	418.4	467.4	511.7	551.8	588.6	622.0	651.4	676.3
-25°	240.0	293.2	348.3	402.0	451.6	496.2	536.8	573.4	606.8	636.5	662.4
-27.5°	228.1	278.1	331.1	384.1	434.4	478.9	519.1	555.8	589.4	620.2	647.0
-30°	215.3	261.7	312.6	364.5	414.0	458.9	499.6	536.9	570.3	600.9	628.5
-32.5°	201.6	244.3	293.2	343.0	391.6	437.5	478.3	515.1	548.8	579.9	608.0
-35°	188.2	228.1	272.8	320.1	367.8	412.9	454.1	491.7	525.6	556.1	584.4
-37.5°	176.2	211.1	251.2	296.2	341.7	386.0	428.3	465.3	499.4	530.9	558.6
-40°	163.5	193.1	230.8	271.6	314.3	357.3	398.2	436.9	470.9	502.0	530.9
-42.5°	150.5	178.5	210.4	245.9	286.4	326.7	366.8	404.4	439.6	470.9	499.4
-45°	139.0	163.3	189.9	222.8	257.7	295.4	333.0	370.0	404.4	436.9	465.3
-47.5°	127.0	148.3	172.8	199.0	230.4	263.6	298.4	333.0	366.8	398.2	428.3
-50°	115.3	134.8	155.1	178.5	204.0	232.9	263.6	295.4	326.7	357.3	386.0
-52.5°	105.2	120.8	139.5	158.9	180.5	204.0	230.4	257.7	286.4	314.3	341.7
-55°	94.8	108.8	123.9	141.0	158.9	178.5	199.0	222.8	245.9	271.6	296.2
-57.5°	85.7	97.2	110.0	123.9	139.5	155.1	172.8	189.9	210.4	230.8	251.2
-60°	77.4	86.6	97.2	108.8	120.8	134.8	148.3	163.3	178.5	193.1	211.1
-62.5°	69.0	77.4	85.7	94.8	105.2	115.3	127.0	139.0	150.5	163.5	176.2
-65°	61.4	68.2	75.5	82.9	90.1	99.1	108.0	116.6	126.7	136.7	146.2
-67.5°	53.6	59.8	65.8	71.9	78.4	84.7	90.8	98.4	105.8	112.9	120.2
-70°	45.4	51.1	56.6	61.8	66.9	72.0	77.5	82.7	87.7	92.9	98.9
-72.5°	37.0	42.1	47.0	51.8	56.3	60.6	64.8	68.8	72.9	77.1	81.1
-75°	29.0	33.0	37.1	41.2	45.2	49.1	52.8	56.2	59.5	62.7	65.7
-77.5°	21.3	24.5	27.7	30.9	33.9	37.2	40.3	43.3	46.1	48.9	51.4
-80°	14.3	16.1	18.6	21.1	23.5	25.9	28.2	30.3	32.4	34.5	36.6
-82.5°	8.8	10.2	11.5	12.8	14.1	15.3	16.6	18.2	19.8	21.3	22.7
-85°	4.0	4.3	5.2	6.0	6.9	7.7	8.5	9.2	9.9	10.6	11.3
-87.5°	2.0	2.1	2.3	2.5	2.6	2.8	2.9	3.0	3.2	3.3	3.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1A-727-U-LAM-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°	3.5	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.2	4.2
85°	11.9	12.5	13.0	13.5	14.0	14.4	14.8	15.1	15.4	15.6	15.8
82.5°	24.0	25.3	26.5	27.5	28.5	29.5	30.3	31.0	31.6	32.2	32.6
80°	38.5	40.4	42.1	43.7	45.2	46.5	47.7	48.8	49.7	50.5	51.1
77.5°	53.8	56.0	58.1	60.0	61.8	63.4	64.9	66.1	67.3	68.2	69.0
75°	68.5	71.3	74.1	76.7	79.1	81.3	83.3	85.1	86.6	87.9	89.0
72.5°	84.8	88.4	91.9	96.0	99.7	103.1	106.1	108.8	111.2	113.2	114.8
70°	104.6	109.9	114.9	120.0	125.4	130.3	134.8	138.7	142.2	145.1	147.5
67.5°	128.3	135.9	143.0	149.7	156.6	163.3	169.4	174.8	179.5	183.5	186.8
65°	156.0	166.2	175.8	184.8	193.1	202.9	211.7	219.5	226.3	232.2	236.9
62.5°	188.2	201.6	215.3	228.1	240.0	251.7	263.0	273.2	282.0	289.5	295.7
60°	228.1	244.3	261.7	278.1	293.2	307.1	320.1	331.6	341.7	350.3	357.3
57.5°	272.8	293.2	312.6	331.1	348.3	364.0	377.9	390.0	400.6	409.7	417.1
55°	320.1	343.0	364.5	384.1	402.0	418.4	433.0	444.7	455.0	463.8	471.0
52.5°	367.8	391.6	414.0	434.4	451.6	467.4	481.7	493.5	503.6	512.3	519.5
50°	412.9	437.5	458.9	478.9	496.2	511.7	525.7	537.7	547.7	556.2	563.2
47.5°	454.1	478.3	499.6	519.1	536.8	551.8	565.6	577.7	587.7	596.2	603.3
45°	491.7	515.1	536.9	555.8	573.4	588.6	602.2	614.5	624.1	632.1	638.8
42.5°	525.6	548.8	570.3	589.4	606.8	622.0	634.8	646.4	655.7	663.2	669.4
40°	556.1	579.9	600.9	620.2	636.5	651.4	663.3	674.0	683.1	690.2	696.1
37.5°	584.4	608.0	628.5	647.0	662.4	676.3	688.1	698.2	707.1	713.7	719.3
35°	610.3	632.7	653.0	670.0	685.3	698.3	709.9	719.2	727.5	733.8	738.9
32.5°	632.7	654.9	673.8	690.4	705.3	717.5	728.6	737.2	744.7	750.8	755.5
30°	653.0	673.8	692.1	708.6	722.2	734.1	744.1	752.5	759.5	765.3	769.3
27.5°	670.0	690.4	708.6	723.8	736.9	748.3	757.5	765.5	771.6	776.9	780.4
25°	685.3	705.3	722.2	736.9	749.5	760.0	768.7	775.9	781.3	785.9	788.6
22.5°	698.3	717.5	734.1	748.3	760.0	769.7	777.9	784.1	788.5	791.3	792.9
20°	709.9	728.6	744.1	757.5	768.7	777.9	785.0	789.6	792.7	793.4	793.8
17.5°	719.2	737.2	752.5	765.5	775.9	784.1	789.6	792.8	793.7	793.5	793.1
15°	727.5	744.7	759.5	771.6	781.3	788.5	792.7	793.7	793.4	792.5	791.1
12.5°	733.8	750.8	765.3	776.9	785.9	791.3	793.4	793.5	792.5	790.7	788.7
10°	738.9	755.5	769.3	780.4	788.6	792.9	793.8	793.1	791.1	788.7	786.5
7.5°	742.9	759.2	772.6	783.3	790.3	793.3	793.5	792.1	789.6	787.0	784.6
5°	745.8	761.9	775.0	785.3	791.6	793.6	793.3	791.3	788.5	785.7	783.5
2.5°	747.5	763.6	776.4	786.6	792.3	793.8	793.1	790.8	787.8	784.9	782.8
0°	748.1	764.1	776.9	787.0	792.6	793.9	793.1	790.6	787.5	784.6	782.5
-2.5°	747.5	763.6	776.4	786.6	792.3	793.8	793.1	790.8	787.8	784.9	782.8
-5°	745.8	761.9	775.0	785.3	791.6	793.6	793.3	791.3	788.5	785.7	783.5
-7.5°	742.9	759.2	772.6	783.3	790.3	793.3	793.5	792.1	789.6	787.0	784.6
-10°	738.9	755.5	769.3	780.4	788.6	792.9	793.8	793.1	791.1	788.7	786.5
-12.5°	733.8	750.8	765.3	776.9	785.9	791.3	793.4	793.5	792.5	790.7	788.7
-15°	727.5	744.7	759.5	771.6	781.3	788.5	792.7	793.7	793.4	792.5	791.1
-17.5°	719.2	737.2	752.5	765.5	775.9	784.1	789.6	792.8	793.7	793.5	793.1
-20°	709.9	728.6	744.1	757.5	768.7	777.9	785.0	789.6	792.7	793.4	793.8

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

Scaled Data Report



REPORT NUMBER: P645298 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1A-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	698.3	717.5	734.1	748.3	760.0	769.7	777.9	784.1	788.5	791.3	792.9
-25°	685.3	705.3	722.2	736.9	749.5	760.0	768.7	775.9	781.3	785.9	788.6
-27.5°	670.0	690.4	708.6	723.8	736.9	748.3	757.5	765.5	771.6	776.9	780.4
-30°	653.0	673.8	692.1	708.6	722.2	734.1	744.1	752.5	759.5	765.3	769.3
-32.5°	632.7	654.9	673.8	690.4	705.3	717.5	728.6	737.2	744.7	750.8	755.5
-35°	610.3	632.7	653.0	670.0	685.3	698.3	709.9	719.2	727.5	733.8	738.9
-37.5°	584.4	608.0	628.5	647.0	662.4	676.3	688.1	698.2	707.1	713.7	719.3
-40°	556.1	579.9	600.9	620.2	636.5	651.4	663.3	674.0	683.1	690.2	696.1
-42.5°	525.6	548.8	570.3	589.4	606.8	622.0	634.8	646.4	655.7	663.2	669.4
-45°	491.7	515.1	536.9	555.8	573.4	588.6	602.2	614.5	624.1	632.1	638.8
-47.5°	454.1	478.3	499.6	519.1	536.8	551.8	565.6	577.7	587.7	596.2	603.3
-50°	412.9	437.5	458.9	478.9	496.2	511.7	525.7	537.7	547.7	556.2	563.2
-52.5°	367.8	391.6	414.0	434.4	451.6	467.4	481.7	493.5	503.6	512.3	519.5
-55°	320.1	343.0	364.5	384.1	402.0	418.4	433.0	444.7	455.0	463.8	471.0
-57.5°	272.8	293.2	312.6	331.1	348.3	364.0	377.9	390.0	400.6	409.7	417.1
-60°	228.1	244.3	261.7	278.1	293.2	307.1	320.1	331.6	341.7	350.3	357.3
-62.5°	188.2	201.6	215.3	228.1	240.0	251.7	263.0	273.2	282.0	289.5	295.7
-65°	156.0	166.2	175.8	184.8	193.1	202.9	211.7	219.5	226.3	232.2	236.9
-67.5°	128.3	135.9	143.0	149.7	156.6	163.3	169.4	174.8	179.5	183.5	186.8
-70°	104.6	109.9	114.9	120.0	125.4	130.3	134.8	138.7	142.2	145.1	147.5
-72.5°	84.8	88.4	91.9	96.0	99.7	103.1	106.1	108.8	111.2	113.2	114.8
-75°	68.5	71.3	74.1	76.7	79.1	81.3	83.3	85.1	86.6	87.9	89.0
-77.5°	53.8	56.0	58.1	60.0	61.8	63.4	64.9	66.1	67.3	68.2	69.0
-80°	38.5	40.4	42.1	43.7	45.2	46.5	47.7	48.8	49.7	50.5	51.1
-82.5°	24.0	25.3	26.5	27.5	28.5	29.5	30.3	31.0	31.6	32.2	32.6
-85°	11.9	12.5	13.0	13.5	14.0	14.4	14.8	15.1	15.4	15.6	15.8
-87.5°	3.5	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.2	4.2
-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: P645298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1A-727-U-LAM-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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.1
85°	16.0	16.1	16.2	16.2	16.2	16.1	16.0	15.8	15.6	15.4	15.1
82.5°	33.0	33.2	33.4	33.4	33.4	33.2	33.0	32.6	32.2	31.6	31.0
80°	51.6	52.0	52.2	52.3	52.2	52.0	51.6	51.1	50.5	49.7	48.8
77.5°	69.6	70.1	70.3	70.4	70.3	70.1	69.6	69.0	68.2	67.3	66.1
75°	89.8	90.4	90.8	90.9	90.8	90.4	89.8	89.0	87.9	86.6	85.1
72.5°	116.1	117.1	117.6	117.8	117.6	117.1	116.1	114.8	113.2	111.2	108.8
70°	149.4	150.7	151.5	151.8	151.5	150.7	149.4	147.5	145.1	142.2	138.7
67.5°	189.4	191.2	192.3	192.7	192.3	191.2	189.4	186.8	183.5	179.5	174.8
65°	240.7	243.4	245.0	245.5	245.0	243.4	240.7	236.9	232.2	226.3	219.5
62.5°	300.6	304.0	306.1	306.8	306.1	304.0	300.6	295.7	289.5	282.0	273.2
60°	362.9	366.8	369.2	370.0	369.2	366.8	362.9	357.3	350.3	341.7	331.6
57.5°	423.0	427.1	429.7	430.5	429.7	427.1	423.0	417.1	409.7	400.6	390.0
55°	476.7	480.7	483.2	484.0	483.2	480.7	476.7	471.0	463.8	455.0	444.7
52.5°	525.1	529.1	531.5	532.3	531.5	529.1	525.1	519.5	512.3	503.6	493.5
50°	568.7	572.7	575.1	575.9	575.1	572.7	568.7	563.2	556.2	547.7	537.7
47.5°	608.8	612.8	615.2	616.0	615.2	612.8	608.8	603.3	596.2	587.7	577.7
45°	644.0	647.8	650.0	650.8	650.0	647.8	644.0	638.8	632.1	624.1	614.5
42.5°	674.3	677.9	680.0	680.7	680.0	677.9	674.3	669.4	663.2	655.7	646.4
40°	700.8	704.2	706.2	706.9	706.2	704.2	700.8	696.1	690.2	683.1	674.0
37.5°	723.6	726.8	728.7	729.3	728.7	726.8	723.6	719.3	713.7	707.1	698.2
35°	742.9	745.8	747.5	748.1	747.5	745.8	742.9	738.9	733.8	727.5	719.2
32.5°	759.2	761.9	763.6	764.1	763.6	761.9	759.2	755.5	750.8	744.7	737.2
30°	772.6	775.0	776.4	776.9	776.4	775.0	772.6	769.3	765.3	759.5	752.5
27.5°	783.3	785.3	786.6	787.0	786.6	785.3	783.3	780.4	776.9	771.6	765.5
25°	790.3	791.6	792.3	792.6	792.3	791.6	790.3	788.6	785.9	781.3	775.9
22.5°	793.3	793.6	793.8	793.9	793.8	793.6	793.3	792.9	791.3	788.5	784.1
20°	793.5	793.3	793.1	793.1	793.1	793.3	793.5	793.8	793.4	792.7	789.6
17.5°	792.1	791.3	790.8	790.6	790.8	791.3	792.1	793.1	793.5	793.7	792.8
15°	789.6	788.5	787.8	787.5	787.8	788.5	789.6	791.1	792.5	793.4	793.7
12.5°	787.0	785.7	784.9	784.6	784.9	785.7	787.0	788.7	790.7	792.5	793.5
10°	784.6	783.5	782.8	782.5	782.8	783.5	784.6	786.5	788.7	791.1	793.1
7.5°	783.0	782.0	781.5	781.3	781.5	782.0	783.0	784.6	787.0	789.6	792.1
5°	782.0	781.1	780.2	779.9	780.2	781.1	782.0	783.5	785.7	788.5	791.3
2.5°	781.5	780.2	779.0	778.3	779.0	780.2	781.5	782.8	784.9	787.8	790.8
0°	781.3	779.9	778.3	778.5	778.3	779.9	781.3	782.5	784.6	787.5	790.6
-2.5°	781.5	780.2	779.0	778.3	779.0	780.2	781.5	782.8	784.9	787.8	790.8
-5°	782.0	781.1	780.2	779.9	780.2	781.1	782.0	783.5	785.7	788.5	791.3
-7.5°	783.0	782.0	781.5	781.3	781.5	782.0	783.0	784.6	787.0	789.6	792.1
-10°	784.6	783.5	782.8	782.5	782.8	783.5	784.6	786.5	788.7	791.1	793.1
-12.5°	787.0	785.7	784.9	784.6	784.9	785.7	787.0	788.7	790.7	792.5	793.5
-15°	789.6	788.5	787.8	787.5	787.8	788.5	789.6	791.1	792.5	793.4	793.7
-17.5°	792.1	791.3	790.8	790.6	790.8	791.3	792.1	793.1	793.5	793.7	792.8
-20°	793.5	793.3	793.1	793.1	793.1	793.3	793.5	793.8	793.4	792.7	789.6

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Scaled Data Report



REPORT NUMBER: P645298 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1A-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	793.3	793.6	793.8	793.9	793.8	793.6	793.3	792.9	791.3	788.5	784.1
-25°	790.3	791.6	792.3	792.6	792.3	791.6	790.3	788.6	785.9	781.3	775.9
-27.5°	783.3	785.3	786.6	787.0	786.6	785.3	783.3	780.4	776.9	771.6	765.5
-30°	772.6	775.0	776.4	776.9	776.4	775.0	772.6	769.3	765.3	759.5	752.5
-32.5°	759.2	761.9	763.6	764.1	763.6	761.9	759.2	755.5	750.8	744.7	737.2
-35°	742.9	745.8	747.5	748.1	747.5	745.8	742.9	738.9	733.8	727.5	719.2
-37.5°	723.6	726.8	728.7	729.3	728.7	726.8	723.6	719.3	713.7	707.1	698.2
-40°	700.8	704.2	706.2	706.9	706.2	704.2	700.8	696.1	690.2	683.1	674.0
-42.5°	674.3	677.9	680.0	680.7	680.0	677.9	674.3	669.4	663.2	655.7	646.4
-45°	644.0	647.8	650.0	650.8	650.0	647.8	644.0	638.8	632.1	624.1	614.5
-47.5°	608.8	612.8	615.2	616.0	615.2	612.8	608.8	603.3	596.2	587.7	577.7
-50°	568.7	572.7	575.1	575.9	575.1	572.7	568.7	563.2	556.2	547.7	537.7
-52.5°	525.1	529.1	531.5	532.3	531.5	529.1	525.1	519.5	512.3	503.6	493.5
-55°	476.7	480.7	483.2	484.0	483.2	480.7	476.7	471.0	463.8	455.0	444.7
-57.5°	423.0	427.1	429.7	430.5	429.7	427.1	423.0	417.1	409.7	400.6	390.0
-60°	362.9	366.8	369.2	370.0	369.2	366.8	362.9	357.3	350.3	341.7	331.6
-62.5°	300.6	304.0	306.1	306.8	306.1	304.0	300.6	295.7	289.5	282.0	273.2
-65°	240.7	243.4	245.0	245.5	245.0	243.4	240.7	236.9	232.2	226.3	219.5
-67.5°	189.4	191.2	192.3	192.7	192.3	191.2	189.4	186.8	183.5	179.5	174.8
-70°	149.4	150.7	151.5	151.8	151.5	150.7	149.4	147.5	145.1	142.2	138.7
-72.5°	116.1	117.1	117.6	117.8	117.6	117.1	116.1	114.8	113.2	111.2	108.8
-75°	89.8	90.4	90.8	90.9	90.8	90.4	89.8	89.0	87.9	86.6	85.1
-77.5°	69.6	70.1	70.3	70.4	70.3	70.1	69.6	69.0	68.2	67.3	66.1
-80°	51.6	52.0	52.2	52.3	52.2	52.0	51.6	51.1	50.5	49.7	48.8
-82.5°	33.0	33.2	33.4	33.4	33.4	33.2	33.0	32.6	32.2	31.6	31.0
-85°	16.0	16.1	16.2	16.2	16.2	16.1	16.0	15.8	15.6	15.4	15.1
-87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.1
-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: P645298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1A-727-U-LAM-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°	4.0	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.0
85°	14.8	14.4	14.0	13.5	13.0	12.5	11.9	11.3	10.6	9.9	9.2
82.5°	30.3	29.5	28.5	27.5	26.5	25.3	24.0	22.7	21.3	19.8	18.2
80°	47.7	46.5	45.2	43.7	42.1	40.4	38.5	36.6	34.5	32.4	30.3
77.5°	64.9	63.4	61.8	60.0	58.1	56.0	53.8	51.4	48.9	46.1	43.3
75°	83.3	81.3	79.1	76.7	74.1	71.3	68.5	65.7	62.7	59.5	56.2
72.5°	106.1	103.1	99.7	96.0	91.9	88.4	84.8	81.1	77.1	72.9	68.8
70°	134.8	130.3	125.4	120.0	114.9	109.9	104.6	98.9	92.9	87.7	82.7
67.5°	169.4	163.3	156.6	149.7	143.0	135.9	128.3	120.2	112.9	105.8	98.4
65°	211.7	202.9	193.1	184.8	175.8	166.2	156.0	146.2	136.7	126.7	116.6
62.5°	263.0	251.7	240.0	228.1	215.3	201.6	188.2	176.2	163.5	150.5	139.0
60°	320.1	307.1	293.2	278.1	261.7	244.3	228.1	211.1	193.1	178.5	163.3
57.5°	377.9	364.0	348.3	331.1	312.6	293.2	272.8	251.2	230.8	210.4	189.9
55°	433.0	418.4	402.0	384.1	364.5	343.0	320.1	296.2	271.6	245.9	222.8
52.5°	481.7	467.4	451.6	434.4	414.0	391.6	367.8	341.7	314.3	286.4	257.7
50°	525.7	511.7	496.2	478.9	458.9	437.5	412.9	386.0	357.3	326.7	295.4
47.5°	565.6	551.8	536.8	519.1	499.6	478.3	454.1	428.3	398.2	366.8	333.0
45°	602.2	588.6	573.4	555.8	536.9	515.1	491.7	465.3	436.9	404.4	370.0
42.5°	634.8	622.0	606.8	589.4	570.3	548.8	525.6	499.4	470.9	439.6	404.4
40°	663.3	651.4	636.5	620.2	600.9	579.9	556.1	530.9	502.0	470.9	436.9
37.5°	688.1	676.3	662.4	647.0	628.5	608.0	584.4	558.6	530.9	499.4	465.3
35°	709.9	698.3	685.3	670.0	653.0	632.7	610.3	584.4	556.1	525.6	491.7
32.5°	728.6	717.5	705.3	690.4	673.8	654.9	632.7	608.0	579.9	548.8	515.1
30°	744.1	734.1	722.2	708.6	692.1	673.8	653.0	628.5	600.9	570.3	536.9
27.5°	757.5	748.3	736.9	723.8	708.6	690.4	670.0	647.0	620.2	589.4	555.8
25°	768.7	760.0	749.5	736.9	722.2	705.3	685.3	662.4	636.5	606.8	573.4
22.5°	777.9	769.7	760.0	748.3	734.1	717.5	698.3	676.3	651.4	622.0	588.6
20°	785.0	777.9	768.7	757.5	744.1	728.6	709.9	688.1	663.3	634.8	602.2
17.5°	789.6	784.1	775.9	765.5	752.5	737.2	719.2	698.2	674.0	646.4	614.5
15°	792.7	788.5	781.3	771.6	759.5	744.7	727.5	707.1	683.1	655.7	624.1
12.5°	793.4	791.3	785.9	776.9	765.3	750.8	733.8	713.7	690.2	663.2	632.1
10°	793.8	792.9	788.6	780.4	769.3	755.5	738.9	719.3	696.1	669.4	638.8
7.5°	793.5	793.3	790.3	783.3	772.6	759.2	742.9	723.6	700.8	674.3	644.0
5°	793.3	793.6	791.6	785.3	775.0	761.9	745.8	726.8	704.2	677.9	647.8
2.5°	793.1	793.8	792.3	786.6	776.4	763.6	747.5	728.7	706.2	680.0	650.0
0°	793.1	793.9	792.6	787.0	776.9	764.1	748.1	729.3	706.9	680.7	650.8
-2.5°	793.1	793.8	792.3	786.6	776.4	763.6	747.5	728.7	706.2	680.0	650.0
-5°	793.3	793.6	791.6	785.3	775.0	761.9	745.8	726.8	704.2	677.9	647.8
-7.5°	793.5	793.3	790.3	783.3	772.6	759.2	742.9	723.6	700.8	674.3	644.0
-10°	793.8	792.9	788.6	780.4	769.3	755.5	738.9	719.3	696.1	669.4	638.8
-12.5°	793.4	791.3	785.9	776.9	765.3	750.8	733.8	713.7	690.2	663.2	632.1
-15°	792.7	788.5	781.3	771.6	759.5	744.7	727.5	707.1	683.1	655.7	624.1
-17.5°	789.6	784.1	775.9	765.5	752.5	737.2	719.2	698.2	674.0	646.4	614.5
-20°	785.0	777.9	768.7	757.5	744.1	728.6	709.9	688.1	663.3	634.8	602.2



REPORT NUMBER: P645298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1A-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	777.9	769.7	760.0	748.3	734.1	717.5	698.3	676.3	651.4	622.0	588.6
-25°	768.7	760.0	749.5	736.9	722.2	705.3	685.3	662.4	636.5	606.8	573.4
-27.5°	757.5	748.3	736.9	723.8	708.6	690.4	670.0	647.0	620.2	589.4	555.8
-30°	744.1	734.1	722.2	708.6	692.1	673.8	653.0	628.5	600.9	570.3	536.9
-32.5°	728.6	717.5	705.3	690.4	673.8	654.9	632.7	608.0	579.9	548.8	515.1
-35°	709.9	698.3	685.3	670.0	653.0	632.7	610.3	584.4	556.1	525.6	491.7
-37.5°	688.1	676.3	662.4	647.0	628.5	608.0	584.4	558.6	530.9	499.4	465.3
-40°	663.3	651.4	636.5	620.2	600.9	579.9	556.1	530.9	502.0	470.9	436.9
-42.5°	634.8	622.0	606.8	589.4	570.3	548.8	525.6	499.4	470.9	439.6	404.4
-45°	602.2	588.6	573.4	555.8	536.9	515.1	491.7	465.3	436.9	404.4	370.0
-47.5°	565.6	551.8	536.8	519.1	499.6	478.3	454.1	428.3	398.2	366.8	333.0
-50°	525.7	511.7	496.2	478.9	458.9	437.5	412.9	386.0	357.3	326.7	295.4
-52.5°	481.7	467.4	451.6	434.4	414.0	391.6	367.8	341.7	314.3	286.4	257.7
-55°	433.0	418.4	402.0	384.1	364.5	343.0	320.1	296.2	271.6	245.9	222.8
-57.5°	377.9	364.0	348.3	331.1	312.6	293.2	272.8	251.2	230.8	210.4	189.9
-60°	320.1	307.1	293.2	278.1	261.7	244.3	228.1	211.1	193.1	178.5	163.3
-62.5°	263.0	251.7	240.0	228.1	215.3	201.6	188.2	176.2	163.5	150.5	139.0
-65°	211.7	202.9	193.1	184.8	175.8	166.2	156.0	146.2	136.7	126.7	116.6
-67.5°	169.4	163.3	156.6	149.7	143.0	135.9	128.3	120.2	112.9	105.8	98.4
-70°	134.8	130.3	125.4	120.0	114.9	109.9	104.6	98.9	92.9	87.7	82.7
-72.5°	106.1	103.1	99.7	96.0	91.9	88.4	84.8	81.1	77.1	72.9	68.8
-75°	83.3	81.3	79.1	76.7	74.1	71.3	68.5	65.7	62.7	59.5	56.2
-77.5°	64.9	63.4	61.8	60.0	58.1	56.0	53.8	51.4	48.9	46.1	43.3
-80°	47.7	46.5	45.2	43.7	42.1	40.4	38.5	36.6	34.5	32.4	30.3
-82.5°	30.3	29.5	28.5	27.5	26.5	25.3	24.0	22.7	21.3	19.8	18.2
-85°	14.8	14.4	14.0	13.5	13.0	12.5	11.9	11.3	10.6	9.9	9.2
-87.5°	4.0	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P645298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1A-727-U-LAM-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	2.8	2.6	2.5	2.3	2.1	2.0	1.8	1.6	1.5	1.3
85°	8.5	7.7	6.9	6.0	5.2	4.3	4.0	3.6	3.3	2.9	2.6
82.5°	16.6	15.3	14.1	12.8	11.5	10.2	8.8	7.5	6.0	4.6	3.9
80°	28.2	25.9	23.5	21.1	18.6	16.1	14.3	12.4	10.5	8.6	6.6
77.5°	40.3	37.2	33.9	30.9	27.7	24.5	21.3	17.9	15.0	12.6	10.2
75°	52.8	49.1	45.2	41.2	37.1	33.0	29.0	25.0	20.9	16.7	13.6
72.5°	64.8	60.6	56.3	51.8	47.0	42.1	37.0	32.0	27.3	22.4	17.5
70°	77.5	72.0	66.9	61.8	56.6	51.1	45.4	39.5	33.6	28.0	22.4
67.5°	90.8	84.7	78.4	71.9	65.8	59.8	53.6	47.1	40.4	33.6	27.3
65°	108.0	99.1	90.1	82.9	75.5	68.2	61.4	54.4	47.1	39.5	32.0
62.5°	127.0	115.3	105.2	94.8	85.7	77.4	69.0	61.4	53.6	45.4	37.0
60°	148.3	134.8	120.8	108.8	97.2	86.6	77.4	68.2	59.8	51.1	42.1
57.5°	172.8	155.1	139.5	123.9	110.0	97.2	85.7	75.5	65.8	56.6	47.0
55°	199.0	178.5	158.9	141.0	123.9	108.8	94.8	82.9	71.9	61.8	51.8
52.5°	230.4	204.0	180.5	158.9	139.5	120.8	105.2	90.1	78.4	66.9	56.3
50°	263.6	232.9	204.0	178.5	155.1	134.8	115.3	99.1	84.7	72.0	60.6
47.5°	298.4	263.6	230.4	199.0	172.8	148.3	127.0	108.0	90.8	77.5	64.8
45°	333.0	295.4	257.7	222.8	189.9	163.3	139.0	116.6	98.4	82.7	68.8
42.5°	366.8	326.7	286.4	245.9	210.4	178.5	150.5	126.7	105.8	87.7	72.9
40°	398.2	357.3	314.3	271.6	230.8	193.1	163.5	136.7	112.9	92.9	77.1
37.5°	428.3	386.0	341.7	296.2	251.2	211.1	176.2	146.2	120.2	98.9	81.1
35°	454.1	412.9	367.8	320.1	272.8	228.1	188.2	156.0	128.3	104.6	84.8
32.5°	478.3	437.5	391.6	343.0	293.2	244.3	201.6	166.2	135.9	109.9	88.4
30°	499.6	458.9	414.0	364.5	312.6	261.7	215.3	175.8	143.0	114.9	91.9
27.5°	519.1	478.9	434.4	384.1	331.1	278.1	228.1	184.8	149.7	120.0	96.0
25°	536.8	496.2	451.6	402.0	348.3	293.2	240.0	193.1	156.6	125.4	99.7
22.5°	551.8	511.7	467.4	418.4	364.0	307.1	251.7	202.9	163.3	130.3	103.1
20°	565.6	525.7	481.7	433.0	377.9	320.1	263.0	211.7	169.4	134.8	106.1
17.5°	577.7	537.7	493.5	444.7	390.0	331.6	273.2	219.5	174.8	138.7	108.8
15°	587.7	547.7	503.6	455.0	400.6	341.7	282.0	226.3	179.5	142.2	111.2
12.5°	596.2	556.2	512.3	463.8	409.7	350.3	289.5	232.2	183.5	145.1	113.2
10°	603.3	563.2	519.5	471.0	417.1	357.3	295.7	236.9	186.8	147.5	114.8
7.5°	608.8	568.7	525.1	476.7	423.0	362.9	300.6	240.7	189.4	149.4	116.1
5°	612.8	572.7	529.1	480.7	427.1	366.8	304.0	243.4	191.2	150.7	117.1
2.5°	615.2	575.1	531.5	483.2	429.7	369.2	306.1	245.0	192.3	151.5	117.6
0°	616.0	575.9	532.3	484.0	430.5	370.0	306.8	245.5	192.7	151.8	117.8
-2.5°	615.2	575.1	531.5	483.2	429.7	369.2	306.1	245.0	192.3	151.5	117.6
-5°	612.8	572.7	529.1	480.7	427.1	366.8	304.0	243.4	191.2	150.7	117.1
-7.5°	608.8	568.7	525.1	476.7	423.0	362.9	300.6	240.7	189.4	149.4	116.1
-10°	603.3	563.2	519.5	471.0	417.1	357.3	295.7	236.9	186.8	147.5	114.8
-12.5°	596.2	556.2	512.3	463.8	409.7	350.3	289.5	232.2	183.5	145.1	113.2
-15°	587.7	547.7	503.6	455.0	400.6	341.7	282.0	226.3	179.5	142.2	111.2
-17.5°	577.7	537.7	493.5	444.7	390.0	331.6	273.2	219.5	174.8	138.7	108.8
-20°	565.6	525.7	481.7	433.0	377.9	320.1	263.0	211.7	169.4	134.8	106.1



REPORT NUMBER: P645298 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1A-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	551.8	511.7	467.4	418.4	364.0	307.1	251.7	202.9	163.3	130.3	103.1
-25°	536.8	496.2	451.6	402.0	348.3	293.2	240.0	193.1	156.6	125.4	99.7
-27.5°	519.1	478.9	434.4	384.1	331.1	278.1	228.1	184.8	149.7	120.0	96.0
-30°	499.6	458.9	414.0	364.5	312.6	261.7	215.3	175.8	143.0	114.9	91.9
-32.5°	478.3	437.5	391.6	343.0	293.2	244.3	201.6	166.2	135.9	109.9	88.4
-35°	454.1	412.9	367.8	320.1	272.8	228.1	188.2	156.0	128.3	104.6	84.8
-37.5°	428.3	386.0	341.7	296.2	251.2	211.1	176.2	146.2	120.2	98.9	81.1
-40°	398.2	357.3	314.3	271.6	230.8	193.1	163.5	136.7	112.9	92.9	77.1
-42.5°	366.8	326.7	286.4	245.9	210.4	178.5	150.5	126.7	105.8	87.7	72.9
-45°	333.0	295.4	257.7	222.8	189.9	163.3	139.0	116.6	98.4	82.7	68.8
-47.5°	298.4	263.6	230.4	199.0	172.8	148.3	127.0	108.0	90.8	77.5	64.8
-50°	263.6	232.9	204.0	178.5	155.1	134.8	115.3	99.1	84.7	72.0	60.6
-52.5°	230.4	204.0	180.5	158.9	139.5	120.8	105.2	90.1	78.4	66.9	56.3
-55°	199.0	178.5	158.9	141.0	123.9	108.8	94.8	82.9	71.9	61.8	51.8
-57.5°	172.8	155.1	139.5	123.9	110.0	97.2	85.7	75.5	65.8	56.6	47.0
-60°	148.3	134.8	120.8	108.8	97.2	86.6	77.4	68.2	59.8	51.1	42.1
-62.5°	127.0	115.3	105.2	94.8	85.7	77.4	69.0	61.4	53.6	45.4	37.0
-65°	108.0	99.1	90.1	82.9	75.5	68.2	61.4	54.4	47.1	39.5	32.0
-67.5°	90.8	84.7	78.4	71.9	65.8	59.8	53.6	47.1	40.4	33.6	27.3
-70°	77.5	72.0	66.9	61.8	56.6	51.1	45.4	39.5	33.6	28.0	22.4
-72.5°	64.8	60.6	56.3	51.8	47.0	42.1	37.0	32.0	27.3	22.4	17.5
-75°	52.8	49.1	45.2	41.2	37.1	33.0	29.0	25.0	20.9	16.7	13.6
-77.5°	40.3	37.2	33.9	30.9	27.7	24.5	21.3	17.9	15.0	12.6	10.2
-80°	28.2	25.9	23.5	21.1	18.6	16.1	14.3	12.4	10.5	8.6	6.6
-82.5°	16.6	15.3	14.1	12.8	11.5	10.2	8.8	7.5	6.0	4.6	3.9
-85°	8.5	7.7	6.9	6.0	5.2	4.3	4.0	3.6	3.3	2.9	2.6
-87.5°	2.9	2.8	2.6	2.5	2.3	2.1	2.0	1.8	1.6	1.5	1.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

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Scaled Data Report



REPORT NUMBER: P645298 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1A-727-U-LAM-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°	1.1	0.9	0.7	0.6	0.4	0.2	0.0
85°	2.2	1.9	1.5	1.1	0.7	0.4	0.0
82.5°	3.3	2.8	2.2	1.7	1.1	0.6	0.0
80°	4.7	3.7	3.0	2.2	1.5	0.7	0.0
77.5°	7.7	5.2	3.7	2.8	1.9	0.9	0.0
75°	10.7	7.7	4.7	3.3	2.2	1.1	0.0
72.5°	13.6	10.2	6.6	3.9	2.6	1.3	0.0
70°	16.7	12.6	8.6	4.6	2.9	1.5	0.0
67.5°	20.9	15.0	10.5	6.0	3.3	1.6	0.0
65°	25.0	17.9	12.4	7.5	3.6	1.8	0.0
62.5°	29.0	21.3	14.3	8.8	4.0	2.0	0.0
60°	33.0	24.5	16.1	10.2	4.3	2.1	0.0
57.5°	37.1	27.7	18.6	11.5	5.2	2.3	0.0
55°	41.2	30.9	21.1	12.8	6.0	2.5	0.0
52.5°	45.2	33.9	23.5	14.1	6.9	2.6	0.0
50°	49.1	37.2	25.9	15.3	7.7	2.8	0.0
47.5°	52.8	40.3	28.2	16.6	8.5	2.9	0.0
45°	56.2	43.3	30.3	18.2	9.2	3.0	0.0
42.5°	59.5	46.1	32.4	19.8	9.9	3.2	0.0
40°	62.7	48.9	34.5	21.3	10.6	3.3	0.0
37.5°	65.7	51.4	36.6	22.7	11.3	3.4	0.0
35°	68.5	53.8	38.5	24.0	11.9	3.5	0.0
32.5°	71.3	56.0	40.4	25.3	12.5	3.6	0.0
30°	74.1	58.1	42.1	26.5	13.0	3.7	0.0
27.5°	76.7	60.0	43.7	27.5	13.5	3.8	0.0
25°	79.1	61.8	45.2	28.5	14.0	3.9	0.0
22.5°	81.3	63.4	46.5	29.5	14.4	4.0	0.0
20°	83.3	64.9	47.7	30.3	14.8	4.0	0.0
17.5°	85.1	66.1	48.8	31.0	15.1	4.1	0.0
15°	86.6	67.3	49.7	31.6	15.4	4.2	0.0
12.5°	87.9	68.2	50.5	32.2	15.6	4.2	0.0
10°	89.0	69.0	51.1	32.6	15.8	4.2	0.0
7.5°	89.8	69.6	51.6	33.0	16.0	4.3	0.0
5°	90.4	70.1	52.0	33.2	16.1	4.3	0.0
2.5°	90.8	70.3	52.2	33.4	16.2	4.3	0.0
0°	90.9	70.4	52.3	33.4	16.2	4.3	0.0
-2.5°	90.8	70.3	52.2	33.4	16.2	4.3	0.0
-5°	90.4	70.1	52.0	33.2	16.1	4.3	0.0
-7.5°	89.8	69.6	51.6	33.0	16.0	4.3	0.0
-10°	89.0	69.0	51.1	32.6	15.8	4.2	0.0
-12.5°	87.9	68.2	50.5	32.2	15.6	4.2	0.0
-15°	86.6	67.3	49.7	31.6	15.4	4.2	0.0
-17.5°	85.1	66.1	48.8	31.0	15.1	4.1	0.0
-20°	83.3	64.9	47.7	30.3	14.8	4.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	81.3	63.4	46.5	29.5	14.4	4.0	0.0
-25°	79.1	61.8	45.2	28.5	14.0	3.9	0.0
-27.5°	76.7	60.0	43.7	27.5	13.5	3.8	0.0
-30°	74.1	58.1	42.1	26.5	13.0	3.7	0.0
-32.5°	71.3	56.0	40.4	25.3	12.5	3.6	0.0
-35°	68.5	53.8	38.5	24.0	11.9	3.5	0.0
-37.5°	65.7	51.4	36.6	22.7	11.3	3.4	0.0
-40°	62.7	48.9	34.5	21.3	10.6	3.3	0.0
-42.5°	59.5	46.1	32.4	19.8	9.9	3.2	0.0
-45°	56.2	43.3	30.3	18.2	9.2	3.0	0.0
-47.5°	52.8	40.3	28.2	16.6	8.5	2.9	0.0
-50°	49.1	37.2	25.9	15.3	7.7	2.8	0.0
-52.5°	45.2	33.9	23.5	14.1	6.9	2.6	0.0
-55°	41.2	30.9	21.1	12.8	6.0	2.5	0.0
-57.5°	37.1	27.7	18.6	11.5	5.2	2.3	0.0
-60°	33.0	24.5	16.1	10.2	4.3	2.1	0.0
-62.5°	29.0	21.3	14.3	8.8	4.0	2.0	0.0
-65°	25.0	17.9	12.4	7.5	3.6	1.8	0.0
-67.5°	20.9	15.0	10.5	6.0	3.3	1.6	0.0
-70°	16.7	12.6	8.6	4.6	2.9	1.5	0.0
-72.5°	13.6	10.2	6.6	3.9	2.6	1.3	0.0
-75°	10.7	7.7	4.7	3.3	2.2	1.1	0.0
-77.5°	7.7	5.2	3.7	2.8	1.9	0.9	0.0
-80°	4.7	3.7	3.0	2.2	1.5	0.7	0.0
-82.5°	3.3	2.8	2.2	1.7	1.1	0.6	0.0
-85°	2.2	1.9	1.5	1.1	0.7	0.4	0.0
-87.5°	1.1	0.9	0.7	0.6	0.4	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)