

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: P645309 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1B-727-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645309 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/4/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA1B-727-U-LAM-VSR-XX  
Description: GALLEON FLOOD, ONE LIGHT SQUARE, LAMBERTIAN WITH VISOR  
Light Source: (16) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

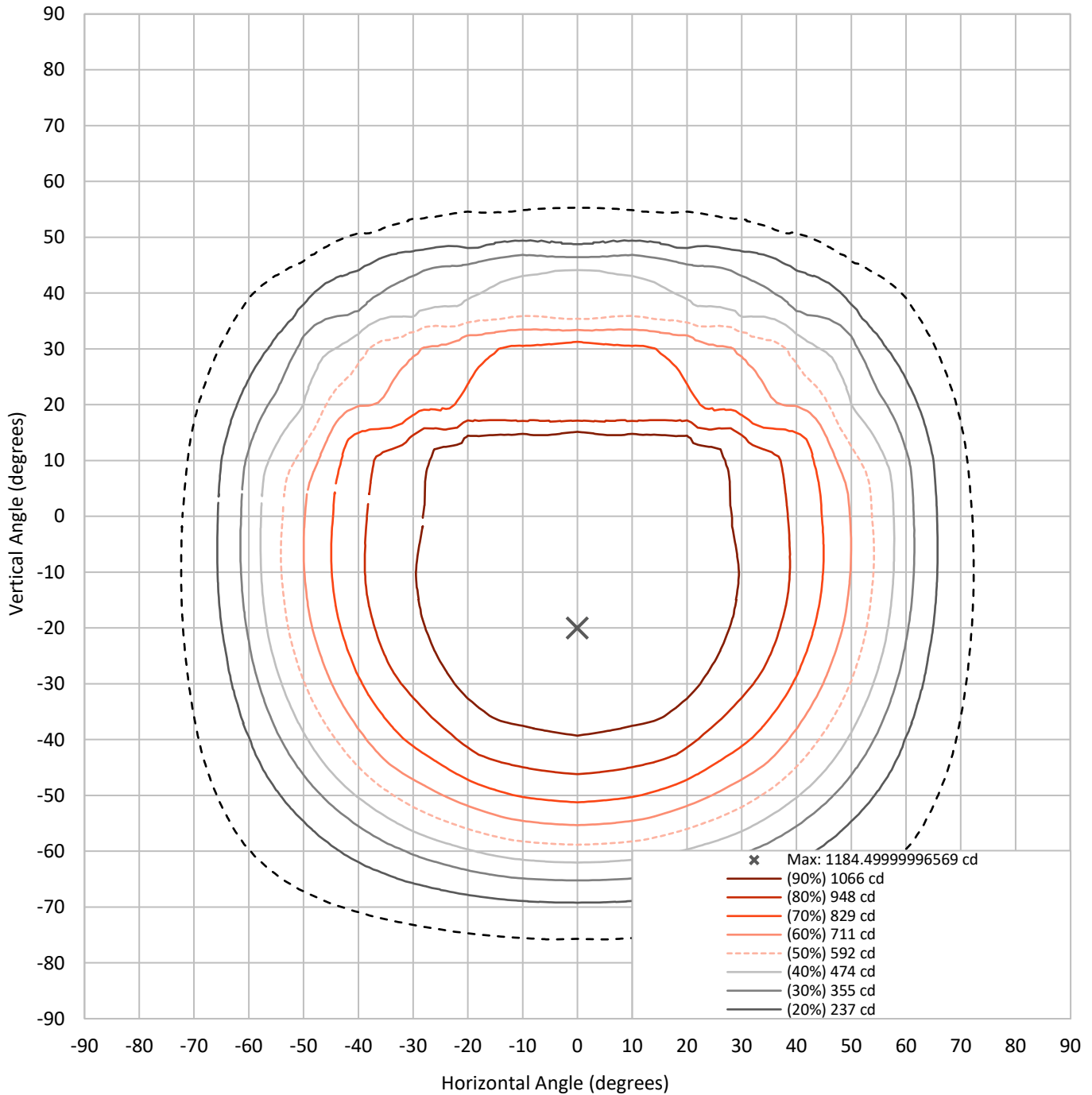
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	2777.5 lumens	Max Intensity:	1184.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	82.9 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	2171.2 lumens	Field Lumens:	2722.3 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	33.5		
Input Voltage (V):	120		
Input Current (A <sub>in</sub> ):	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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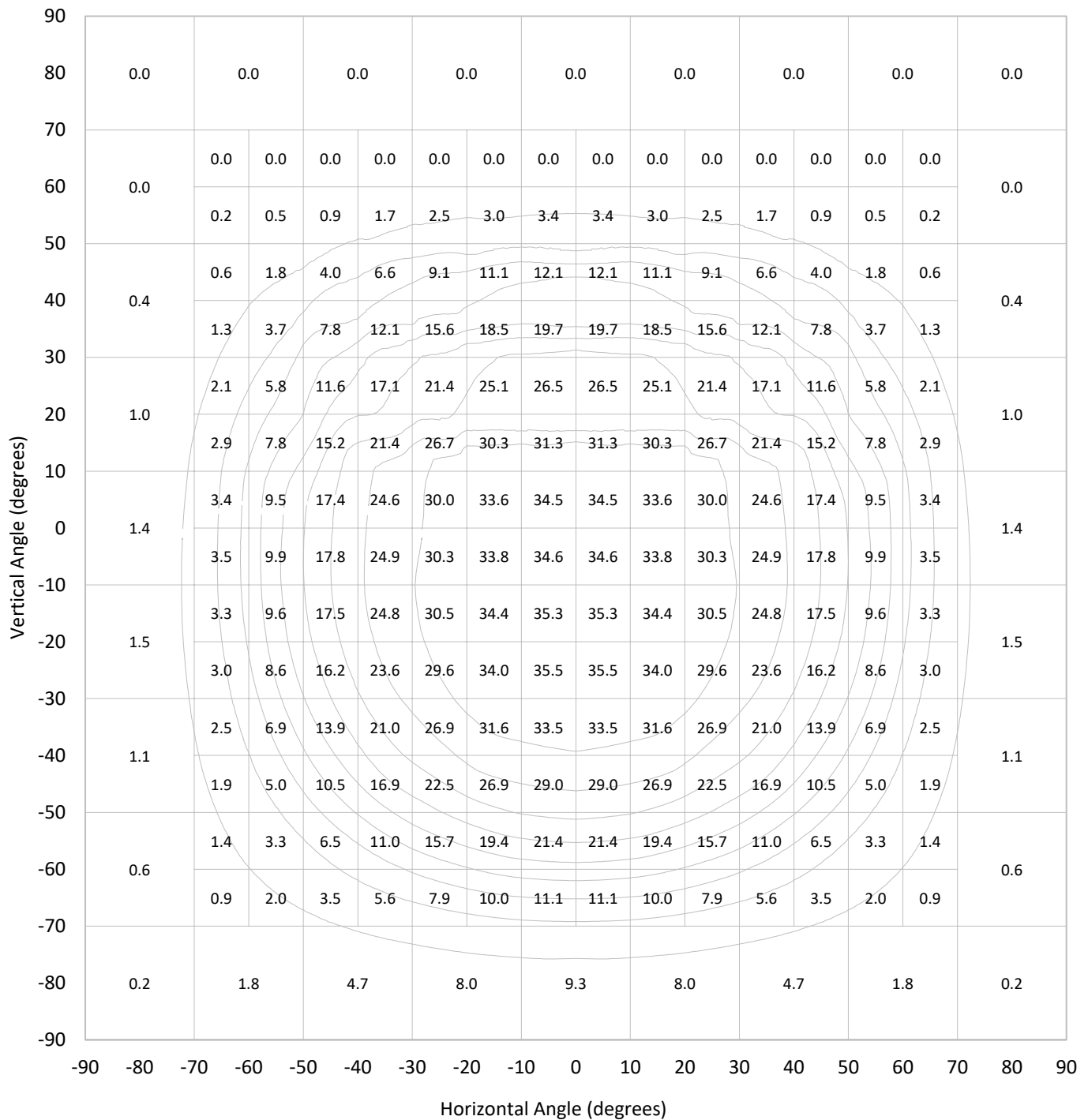
### Iso-Candela Plot





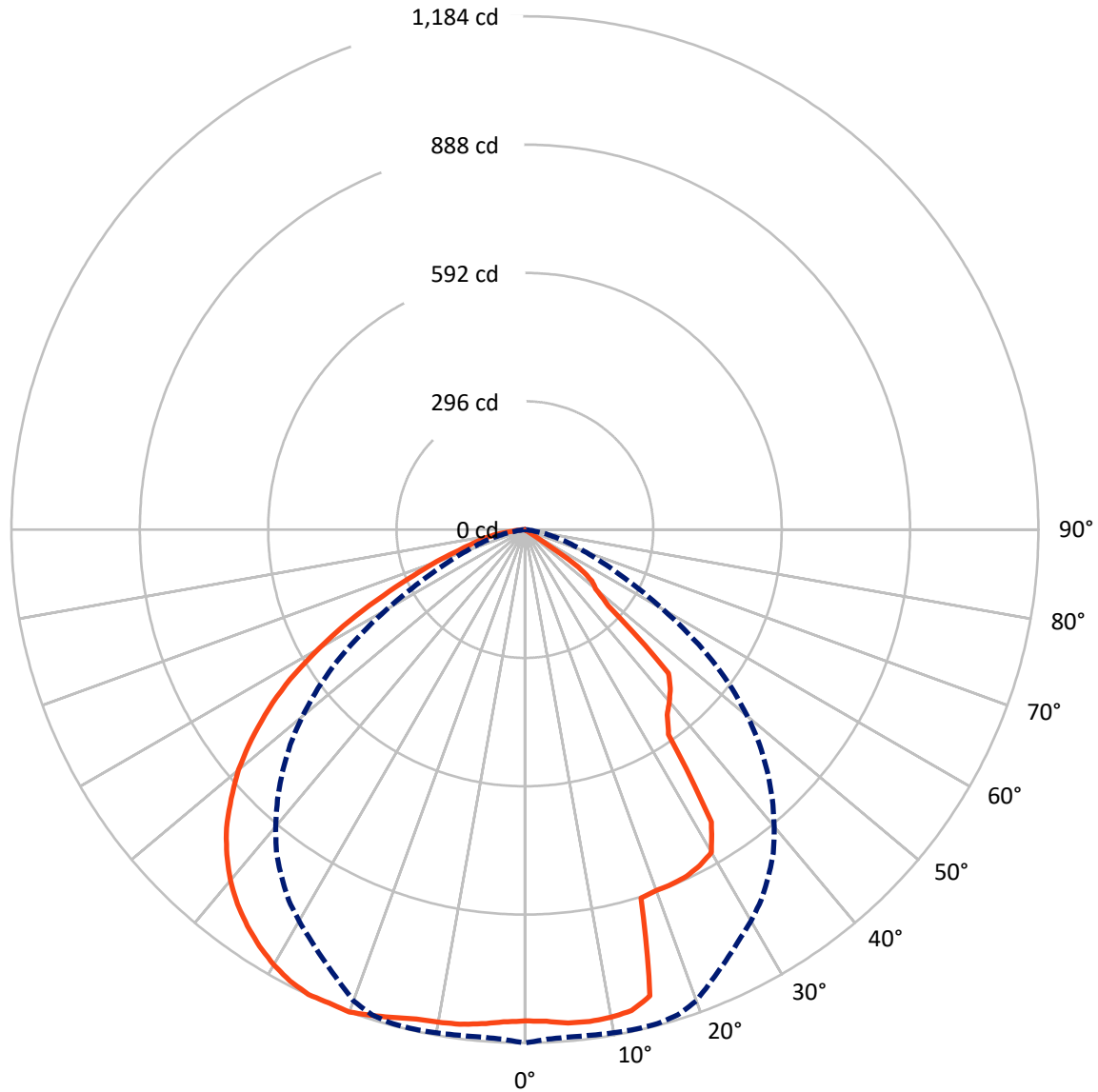
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### Lumen Table



REPORT NUMBER: P645309 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Luminous Intensity Polar Plot

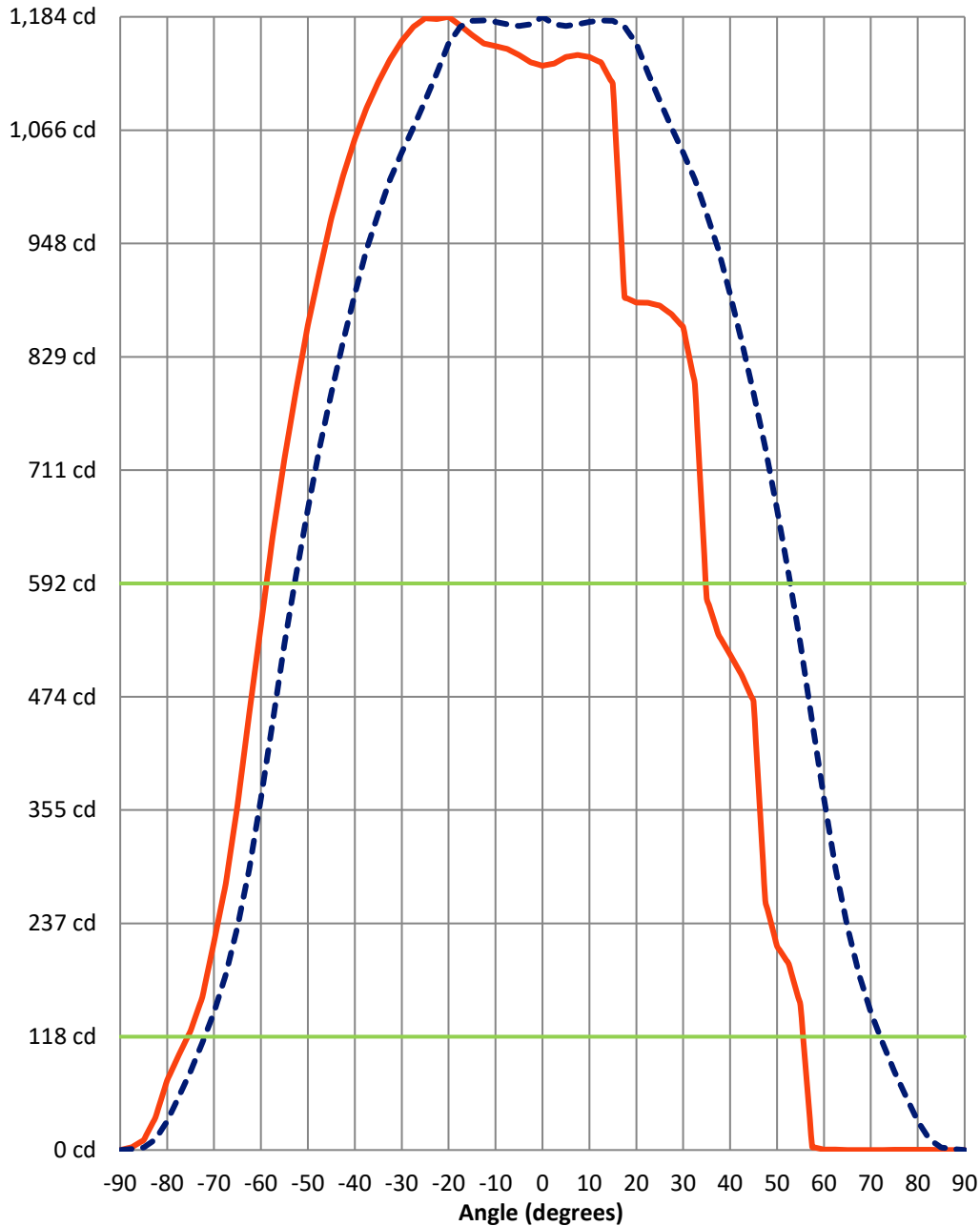


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through -20-Deg



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 2171.2  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 2722.3  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 55.2  
 Efficiency: 2.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-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	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3
80°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.4	0.4	0.3
77.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.3
75°	0.0	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3
72.5°	0.0	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3
70°	0.0	0.2	0.4	0.5	0.6	0.6	0.5	0.5	0.4	0.4	0.4
67.5°	0.0	0.3	0.4	0.5	0.6	0.6	0.6	0.5	0.4	0.6	0.6
65°	0.0	0.3	0.4	0.6	0.6	0.7	0.7	0.5	0.7	0.8	1.0
62.5°	0.0	0.3	0.5	0.6	0.7	0.8	0.8	0.7	0.9	1.4	2.2
60°	0.0	0.3	0.5	0.6	0.7	1.0	0.9	0.9	1.2	3.5	3.8
57.5°	0.0	0.4	0.6	0.7	0.9	1.2	1.7	1.3	3.4	6.0	6.9
55°	0.0	0.4	0.6	0.7	1.1	1.4	2.8	2.2	6.4	9.2	11.2
52.5°	0.0	0.4	0.6	0.7	1.3	1.8	4.0	5.5	9.6	14.5	16.3
50°	0.0	0.4	0.7	0.8	1.5	3.1	5.3	9.4	13.7	20.3	25.4
47.5°	0.0	0.5	0.7	0.8	1.8	4.5	7.2	13.4	19.7	26.7	34.8
45°	0.0	0.5	0.7	1.0	2.0	6.0	10.8	17.6	26.5	34.8	43.9
42.5°	0.0	0.5	0.8	1.2	2.3	7.6	14.6	22.9	33.4	42.7	54.3
40°	0.0	0.5	0.8	1.5	3.1	9.3	18.4	28.9	40.5	50.5	65.5
37.5°	0.0	0.6	0.8	1.8	4.4	11.1	22.3	35.0	47.9	59.8	77.2
35°	0.0	0.6	0.9	2.1	5.7	13.8	26.2	41.0	55.4	71.2	91.1
32.5°	0.0	0.6	0.9	2.5	7.1	16.9	30.5	47.1	63.1	82.6	107.9
30°	0.0	0.6	0.9	2.9	8.5	20.0	35.4	53.1	70.7	94.2	124.0
27.5°	0.0	0.6	1.0	3.3	10.2	23.1	40.2	59.5	79.2	105.7	139.4
25°	0.0	0.7	1.0	3.7	11.9	26.1	44.9	65.7	88.8	118.2	154.1
22.5°	0.0	0.7	1.0	4.2	13.6	29.1	49.5	71.9	98.1	130.8	169.0
20°	0.0	0.7	1.1	4.7	15.3	32.4	53.9	78.0	107.3	142.6	183.5
17.5°	0.0	0.7	1.1	5.1	17.0	35.6	58.2	83.8	116.1	153.7	197.6
15°	0.0	0.7	1.1	5.6	18.6	38.7	62.4	89.3	124.6	164.1	211.1
12.5°	0.0	0.7	1.2	6.1	20.2	41.6	66.3	94.1	131.3	173.6	223.9
10°	0.0	0.8	1.2	6.6	21.7	44.4	69.9	98.6	136.4	179.4	234.4
7.5°	0.0	0.8	1.2	7.1	23.2	46.9	73.2	102.7	140.7	183.9	240.5
5°	0.0	0.8	1.3	7.5	24.5	49.3	76.3	106.4	144.3	187.5	245.5
2.5°	0.0	0.8	1.3	7.9	25.7	51.5	79.0	109.7	147.2	190.2	249.3
0°	0.0	0.8	1.3	8.3	26.8	53.4	81.4	112.5	149.5	192.2	251.9
-2.5°	0.0	0.8	1.5	8.8	27.8	54.6	82.6	114.2	150.3	194.7	253.6
-5°	0.0	0.9	1.7	9.3	28.7	55.6	83.5	115.4	150.6	196.3	254.1
-7.5°	0.0	0.9	1.9	9.8	29.4	56.3	84.0	116.1	150.4	196.9	253.5
-10°	0.0	1.0	2.1	10.2	29.9	56.7	84.3	116.4	149.7	196.6	251.9
-12.5°	0.0	1.0	2.2	10.5	30.3	56.9	84.2	116.2	148.6	195.0	249.1
-15°	0.0	1.0	2.4	10.8	30.5	56.8	83.9	115.5	147.5	191.9	245.1
-17.5°	0.0	1.0	2.5	11.0	30.4	56.4	83.3	114.2	146.0	188.0	239.9
-20°	0.0	1.1	2.7	11.1	30.2	55.8	82.3	112.2	144.0	183.4	233.5



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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	1.1	2.8	11.1	29.8	55.0	81.0	109.8	141.3	178.1	225.8
-25°	0.0	1.1	2.9	11.1	29.1	53.7	79.3	107.0	138.1	172.1	217.0
-27.5°	0.0	1.1	3.0	10.9	28.3	52.0	77.3	103.9	134.1	166.3	209.1
-30°	0.0	1.1	3.1	10.7	27.2	50.1	74.9	100.4	129.9	161.4	200.8
-32.5°	0.0	1.1	3.1	10.4	26.0	48.0	72.3	97.1	125.3	155.8	191.8
-35°	0.0	1.1	3.2	10.0	24.6	45.7	69.4	93.7	120.4	149.4	182.3
-37.5°	0.0	1.1	3.2	9.5	23.1	43.4	66.4	89.9	115.2	142.2	173.0
-40°	0.0	1.1	3.2	8.9	21.4	41.3	63.1	85.8	109.6	135.5	163.7
-42.5°	0.0	1.1	3.2	8.3	20.2	39.0	59.5	81.3	104.2	128.3	153.7
-45°	0.0	1.1	3.2	7.6	19.3	36.6	55.7	76.6	98.7	120.7	143.3
-47.5°	0.0	1.0	3.1	6.9	18.3	34.1	51.8	72.0	92.7	112.7	134.4
-50°	0.0	1.0	3.0	6.6	17.2	31.4	48.4	67.1	86.2	105.4	125.1
-52.5°	0.0	1.0	2.9	6.5	15.9	28.6	45.1	62.0	79.9	97.8	115.5
-55°	0.0	0.9	2.8	6.3	14.4	26.5	41.7	56.9	73.6	90.0	106.9
-57.5°	0.0	0.9	2.7	6.0	12.8	24.3	38.1	52.8	67.1	82.6	98.2
-60°	0.0	0.8	2.5	5.7	11.2	22.0	34.4	48.3	60.6	75.1	89.4
-62.5°	0.0	0.8	2.4	5.3	10.4	19.4	31.1	43.4	54.5	67.3	80.9
-65°	0.0	0.7	2.2	4.8	9.5	16.7	27.6	38.3	48.2	59.6	72.2
-67.5°	0.0	0.7	2.0	4.3	8.5	14.5	23.8	33.2	41.5	51.5	62.8
-70°	0.0	0.6	1.8	3.7	7.4	12.7	19.8	28.0	35.4	43.0	52.7
-72.5°	0.0	0.5	1.6	3.3	6.2	10.7	16.7	22.7	29.3	36.0	42.8
-75°	0.0	0.5	1.4	2.9	4.9	8.6	13.7	18.3	23.1	28.9	34.8
-77.5°	0.0	0.4	1.2	2.4	4.1	6.5	10.5	14.1	17.9	22.0	26.7
-80°	0.0	0.3	1.0	2.0	3.3	4.9	7.1	9.9	12.8	16.0	19.4
-82.5°	0.0	0.2	0.7	1.5	2.5	3.7	5.2	6.3	7.6	9.9	12.3
-85°	0.0	0.2	0.5	1.0	1.7	2.5	3.5	4.2	5.0	5.8	6.6
-87.5°	0.0	0.1	0.2	0.5	0.8	1.3	1.8	2.1	2.5	2.9	3.3
-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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 CATALOG NUMBER: GFLD-SA1B-727-U-LAM-VSR-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°	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
67.5°	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
65°	0.5	0.4	0.6	0.7	0.5	0.5	0.4	0.4	0.4	0.4	0.4
62.5°	0.7	1.0	1.2	2.1	1.6	0.5	0.8	1.0	0.7	0.6	0.6
60°	2.5	1.7	5.0	7.1	4.4	1.6	2.0	6.6	5.7	1.0	3.6
57.5°	5.2	7.1	13.1	13.3	9.2	6.3	18.5	21.4	16.2	9.5	14.5
55°	11.5	17.5	21.7	20.1	22.0	33.3	39.6	35.5	29.9	46.1	58.9
52.5°	22.3	28.6	30.0	34.5	49.3	56.7	54.3	58.1	75.3	93.6	97.5
50°	33.0	38.1	42.1	60.8	72.5	73.2	78.6	95.7	118.7	129.8	127.1
47.5°	43.2	48.6	67.2	85.2	90.4	97.6	111.1	144.0	168.4	168.8	166.1
45°	54.1	68.3	92.0	103.8	112.3	126.1	158.7	204.2	206.5	213.1	253.8
42.5°	65.8	90.6	111.3	123.5	137.2	163.1	206.6	236.4	246.6	275.6	308.3
40°	84.6	112.1	130.2	145.9	163.5	201.2	248.8	276.8	285.1	310.2	334.7
37.5°	103.7	130.1	150.4	169.3	193.7	244.5	299.7	322.7	327.0	331.5	386.0
35°	122.1	148.5	172.8	197.5	227.4	300.7	348.9	370.6	369.9	400.8	457.8
32.5°	139.3	167.4	196.0	229.1	278.4	353.5	401.7	414.7	434.4	479.4	557.2
30°	156.5	188.4	221.3	260.6	323.2	388.3	443.3	464.2	497.9	549.3	605.9
27.5°	174.2	210.0	249.7	295.8	358.5	418.3	465.3	515.2	548.0	594.0	634.3
25°	191.8	232.8	277.8	326.6	383.8	439.5	488.1	545.7	581.0	618.0	655.6
22.5°	210.3	255.9	306.8	351.0	405.1	457.5	515.4	577.9	623.7	647.2	672.5
20°	229.6	281.0	335.2	384.1	426.1	474.3	542.8	618.7	677.8	704.3	707.8
17.5°	248.7	305.2	363.5	416.5	461.7	504.7	571.6	667.6	741.1	765.7	776.7
15°	267.3	328.5	391.7	448.0	497.7	550.1	621.6	719.3	803.3	830.5	847.8
12.5°	285.2	350.8	419.4	478.5	533.6	592.4	667.0	756.4	833.1	885.8	917.5
10°	302.3	371.7	446.3	507.7	569.2	631.7	704.6	784.1	846.5	897.4	942.4
7.5°	310.9	385.5	469.4	535.6	603.8	668.0	735.3	803.6	856.2	906.1	949.6
5°	316.7	391.1	476.6	545.2	622.2	692.2	757.6	816.5	862.5	912.0	954.5
2.5°	320.9	394.8	481.5	550.5	629.1	699.6	764.0	820.8	867.7	916.2	959.7
0°	323.4	396.5	484.0	553.8	633.5	704.5	767.8	822.4	871.2	918.2	965.0
-2.5°	324.8	401.8	485.7	562.2	637.7	708.7	773.0	826.3	877.3	922.1	968.9
-5°	324.7	405.0	485.3	567.8	639.6	710.4	775.6	828.1	880.6	924.9	970.5
-7.5°	322.9	405.7	483.1	569.6	639.7	709.9	774.4	828.9	880.6	927.6	970.7
-10°	319.7	402.9	481.1	565.0	637.3	707.0	770.9	827.1	878.5	927.0	969.8
-12.5°	316.0	396.9	476.8	558.5	632.3	701.6	765.6	822.3	874.7	923.0	967.9
-15°	310.5	389.1	469.9	550.1	624.7	693.8	758.8	814.6	868.7	916.1	962.2
-17.5°	303.0	379.3	460.1	540.2	614.5	683.6	749.9	804.4	858.3	907.2	951.7
-20°	293.6	367.8	447.5	528.9	601.5	669.9	734.1	791.2	844.7	894.5	941.2

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Scaled Data Report



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	282.2	354.5	432.2	513.7	585.3	652.9	716.4	774.4	829.8	878.0	927.8
-25°	270.8	340.5	415.4	492.6	566.5	633.8	697.5	753.9	810.6	860.8	908.1
-27.5°	259.9	324.2	395.8	469.4	545.2	612.2	675.2	731.7	786.8	841.6	887.1
-30°	247.6	305.4	374.3	444.7	518.5	586.7	650.3	708.9	761.3	815.4	864.3
-32.5°	234.1	285.4	351.7	419.4	489.0	558.7	621.7	679.9	734.4	785.6	836.9
-35°	220.8	269.2	327.7	392.2	457.7	526.1	589.1	646.8	703.3	754.1	803.1
-37.5°	209.0	251.8	302.2	363.8	426.4	491.0	555.2	611.0	664.8	720.6	768.4
-40°	196.1	233.0	280.1	334.5	393.5	455.0	516.4	574.2	624.8	679.8	732.5
-42.5°	182.6	217.7	258.3	303.6	359.3	417.2	476.5	533.0	585.5	637.5	689.6
-45°	170.8	201.6	236.1	277.5	322.8	377.4	433.5	489.8	540.2	589.7	641.2
-47.5°	158.2	185.4	217.2	250.3	289.7	335.3	388.1	440.0	491.6	538.8	584.3
-50°	145.7	170.7	196.9	226.7	259.2	296.1	340.0	388.3	435.4	483.8	528.9
-52.5°	134.9	155.3	179.0	203.9	231.7	262.2	297.4	337.0	379.9	421.0	466.0
-55°	123.8	142.1	161.2	183.1	206.3	232.1	260.8	294.2	326.9	364.9	401.7
-57.5°	113.6	129.0	145.3	163.4	183.5	204.2	229.3	255.3	285.0	314.5	343.6
-60°	103.9	116.6	130.4	145.7	161.9	180.3	199.1	221.3	245.3	268.8	293.5
-62.5°	94.2	104.9	116.2	128.9	142.9	156.8	172.9	190.0	207.6	227.6	247.1
-65°	84.2	92.9	102.4	113.0	124.2	136.0	148.4	161.1	176.0	190.7	204.8
-67.5°	73.7	81.0	88.8	97.1	106.5	115.8	125.1	135.8	146.8	157.7	168.9
-70°	61.9	68.9	75.3	82.1	89.1	96.4	104.3	112.2	119.9	128.1	137.1
-72.5°	50.0	56.4	62.1	67.0	72.8	78.9	84.6	90.2	96.0	102.2	108.3
-75°	39.9	44.1	49.2	53.8	58.4	62.6	66.5	71.2	76.0	80.5	84.2
-77.5°	31.1	35.0	38.4	41.5	45.2	49.4	53.2	56.4	59.5	62.9	66.4
-80°	22.6	25.8	29.0	31.9	34.0	36.4	39.2	42.5	45.3	47.6	49.7
-82.5°	14.6	16.9	19.3	21.7	22.7	23.3	23.9	25.1	26.8	28.5	30.2
-85°	7.3	7.9	9.4	10.9	11.4	11.7	12.0	12.1	12.7	13.3	13.7
-87.5°	3.6	4.0	4.3	4.6	4.5	4.2	4.0	3.6	3.5	3.4	3.3
-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: P645309 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
65°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2
62.5°	0.6	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4
60°	4.0	2.4	1.4	1.6	1.4	1.0	1.2	1.4	1.5	1.3	1.2
57.5°	22.0	16.4	12.1	29.0	29.1	13.9	16.7	26.3	21.7	7.1	6.6
55°	61.2	73.1	96.3	91.4	92.9	106.8	116.7	103.3	101.3	107.9	124.7
52.5°	109.8	121.3	129.0	136.3	145.2	154.7	164.5	170.8	176.6	182.8	186.5
50°	140.3	156.4	167.4	163.4	186.3	195.7	186.2	194.7	205.1	207.9	209.2
47.5°	207.1	230.8	235.4	250.6	264.3	264.1	252.5	253.1	284.0	311.3	324.6
45°	297.7	298.5	313.3	340.2	359.5	353.4	369.6	406.5	418.7	430.6	440.3
42.5°	333.0	347.6	371.3	395.1	409.4	421.8	433.8	447.4	463.3	476.2	486.5
40°	367.1	378.9	403.2	422.3	434.2	445.8	459.8	474.8	489.3	500.7	508.4
37.5°	419.7	428.8	434.7	452.5	474.9	464.6	491.1	510.1	518.8	530.4	531.4
35°	499.3	493.2	485.3	556.0	560.2	536.3	561.1	590.7	575.2	607.5	624.9
32.5°	569.8	568.9	630.6	667.8	646.4	663.8	721.0	718.5	756.6	774.3	769.2
30°	636.2	658.9	694.6	722.3	726.0	753.5	778.9	801.1	824.1	844.7	846.2
27.5°	669.9	699.5	723.7	739.8	757.6	780.7	803.8	828.9	848.5	861.4	864.6
25°	690.3	720.6	738.9	756.1	775.8	795.8	821.7	849.0	864.7	872.6	875.2
22.5°	708.3	735.5	755.2	769.2	790.4	811.9	836.0	859.1	876.2	879.6	880.9
20°	725.6	751.7	784.7	805.3	804.2	828.5	851.6	870.0	884.3	884.2	884.5
17.5°	775.7	785.0	844.8	890.2	867.7	855.9	919.6	920.8	924.6	917.1	900.8
15°	849.9	866.8	940.3	989.5	973.9	973.1	1065.2	1042.4	1062.1	1056.9	1079.0
12.5°	928.4	948.5	1003.4	1051.7	1074.7	1080.3	1111.1	1140.0	1145.9	1143.5	1139.2
10°	981.9	1010.5	1032.6	1061.9	1085.1	1108.8	1126.6	1147.3	1154.1	1150.1	1144.6
7.5°	988.9	1017.1	1043.0	1068.8	1090.9	1109.9	1128.4	1145.3	1152.2	1149.9	1146.1
5°	993.3	1018.9	1044.0	1070.2	1091.3	1108.9	1127.4	1144.4	1148.5	1145.8	1142.1
2.5°	996.0	1019.8	1044.0	1070.0	1089.1	1106.0	1124.6	1142.8	1142.8	1141.6	1139.4
0°	997.4	1021.1	1049.2	1072.7	1094.2	1110.2	1128.6	1146.3	1145.1	1141.8	1138.0
-2.5°	1000.2	1024.3	1053.0	1072.4	1096.7	1111.3	1130.3	1145.6	1145.1	1143.5	1141.6
-5°	1002.8	1029.8	1056.7	1077.1	1101.4	1120.5	1139.5	1151.5	1152.1	1149.9	1146.7
-7.5°	1004.3	1034.3	1059.9	1080.5	1104.1	1126.2	1145.5	1158.1	1158.3	1155.3	1151.5
-10°	1003.7	1035.4	1061.8	1083.1	1107.2	1129.1	1149.3	1165.2	1164.7	1161.8	1158.6
-12.5°	1001.9	1033.5	1060.6	1081.9	1109.3	1131.8	1154.5	1170.4	1171.2	1169.1	1165.6
-15°	997.7	1030.4	1056.7	1080.0	1106.8	1133.2	1156.5	1174.0	1177.1	1175.4	1172.6
-17.5°	989.5	1024.0	1051.9	1077.0	1102.7	1130.8	1157.3	1176.4	1180.7	1180.0	1177.7
-20°	978.6	1014.2	1042.6	1068.9	1096.9	1125.9	1156.6	1174.1	1180.3	1180.7	1179.2



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	966.5	1001.3	1031.4	1057.3	1087.7	1117.0	1144.8	1165.3	1175.7	1177.7	1177.8
-25°	952.0	987.7	1017.6	1045.1	1073.4	1103.7	1131.8	1154.7	1165.3	1170.3	1171.9
-27.5°	931.4	968.4	997.7	1026.8	1055.6	1086.9	1116.5	1141.3	1149.9	1156.9	1159.6
-30°	907.3	943.9	973.8	1000.4	1033.3	1065.2	1095.8	1117.5	1130.4	1138.3	1142.7
-32.5°	879.5	916.5	947.9	975.7	1007.0	1038.9	1067.6	1090.5	1108.4	1117.5	1122.1
-35°	849.5	887.2	920.1	949.4	978.8	1009.2	1039.0	1063.0	1083.3	1091.1	1096.9
-37.5°	813.2	854.8	888.6	918.8	946.8	975.3	1006.3	1033.7	1053.5	1061.1	1067.2
-40°	776.0	816.2	850.3	882.5	910.2	941.4	971.2	999.9	1017.0	1025.9	1032.9
-42.5°	736.8	773.1	805.5	836.7	867.5	899.7	929.5	959.3	974.1	984.9	993.4
-45°	691.5	725.3	756.7	786.0	817.8	849.3	879.2	905.5	923.1	937.1	948.0
-47.5°	631.1	672.3	703.8	731.7	763.2	793.6	822.6	847.3	866.7	883.0	895.6
-50°	569.8	609.3	644.9	676.2	705.4	733.5	761.1	785.3	805.8	823.4	836.2
-52.5°	509.3	546.4	581.7	614.0	642.1	668.6	693.8	718.2	739.8	758.7	771.1
-55°	441.1	479.4	514.4	544.5	572.5	598.8	623.7	646.8	668.1	687.3	699.1
-57.5°	377.0	410.7	443.2	471.0	497.5	522.5	546.1	568.2	588.7	606.8	618.2
-60°	318.2	342.7	370.7	396.3	419.8	441.1	463.1	483.7	502.5	518.4	529.1
-62.5°	266.1	286.4	306.6	326.2	345.2	364.4	382.8	399.9	415.6	428.6	437.9
-65°	219.8	236.1	250.7	264.6	277.8	292.9	306.9	320.0	332.2	342.3	349.4
-67.5°	181.0	192.5	202.6	212.1	222.5	233.1	243.1	251.8	259.3	265.2	269.9
-70°	145.9	154.4	162.0	169.5	177.1	184.1	190.7	197.1	203.2	208.2	211.9
-72.5°	114.3	120.1	125.3	131.1	136.5	141.8	146.4	150.1	153.0	155.8	158.2
-75°	87.1	91.5	97.3	102.3	106.4	110.0	113.3	116.2	118.8	121.1	123.1
-77.5°	70.1	73.7	77.5	81.1	84.6	87.2	89.6	92.0	94.3	96.4	98.2
-80°	52.0	54.7	57.6	60.5	63.3	64.8	65.9	67.0	67.9	69.1	70.3
-82.5°	31.8	33.3	34.9	36.5	38.2	38.6	38.7	38.7	38.5	38.0	37.4
-85°	14.1	14.2	14.2	14.0	13.7	13.2	12.5	11.7	10.8	10.7	10.5
-87.5°	3.1	3.0	2.9	2.8	2.7	2.7	2.7	2.7	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



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
85°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.2	0.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.2	0.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3
67.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.3
65°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.3
62.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5
60°	0.9	0.6	0.5	0.5	0.5	0.6	0.9	1.2	1.3	1.5	1.4
57.5°	5.6	4.2	3.6	3.3	3.6	4.2	5.6	6.6	7.1	21.7	26.3
55°	136.7	143.6	148.8	151.2	148.8	143.6	136.7	124.7	107.9	101.3	103.3
52.5°	189.8	192.8	194.5	194.5	194.5	192.8	189.8	186.5	182.8	176.6	170.8
50°	211.5	213.0	213.5	213.2	213.5	213.0	211.5	209.2	207.9	205.1	194.7
47.5°	312.4	285.4	265.5	260.7	265.5	285.4	312.4	324.6	311.3	284.0	253.1
45°	445.0	455.2	465.4	468.6	465.4	455.2	445.0	440.3	430.6	418.7	406.5
42.5°	490.8	494.2	496.1	496.2	496.1	494.2	490.8	486.5	476.2	463.3	447.4
40°	512.7	515.9	517.7	517.9	517.7	515.9	512.7	508.4	500.7	489.3	474.8
37.5°	532.7	535.4	537.1	538.9	537.1	535.4	532.7	531.4	530.4	518.8	510.1
35°	622.6	602.2	572.9	577.3	572.9	602.2	622.6	624.9	607.5	575.2	590.7
32.5°	777.1	785.7	791.0	800.1	791.0	785.7	777.1	769.2	774.3	756.6	718.5
30°	848.4	851.3	855.6	860.1	855.6	851.3	848.4	846.2	844.7	824.1	801.1
27.5°	866.3	869.2	871.8	873.7	871.8	869.2	866.3	864.6	861.4	848.5	828.9
25°	875.6	877.4	880.1	882.6	880.1	877.4	875.6	875.2	872.6	864.7	849.0
22.5°	880.2	880.4	882.6	885.6	882.6	880.4	880.2	880.9	879.6	876.2	859.1
20°	883.3	881.6	883.9	885.9	883.9	881.6	883.3	884.5	884.2	884.3	870.0
17.5°	923.8	900.7	891.2	891.4	891.2	900.7	923.8	900.8	917.1	924.6	920.8
15°	1054.2	1062.9	1096.0	1114.0	1096.0	1062.9	1054.2	1079.0	1056.9	1062.1	1042.4
12.5°	1138.4	1135.3	1131.4	1136.7	1131.4	1135.3	1138.4	1139.2	1143.5	1145.9	1140.0
10°	1142.3	1141.9	1134.9	1142.5	1134.9	1141.9	1142.3	1144.6	1150.1	1154.1	1147.3
7.5°	1139.9	1140.1	1137.1	1144.6	1137.1	1140.1	1139.9	1146.1	1149.9	1152.2	1145.3
5°	1141.5	1136.3	1138.3	1142.5	1138.3	1136.3	1141.5	1142.1	1145.8	1148.5	1144.4
2.5°	1137.0	1136.5	1132.7	1135.7	1132.7	1136.5	1137.0	1139.4	1141.6	1142.8	1142.8
0°	1133.7	1130.9	1130.9	1133.4	1130.9	1130.9	1133.7	1138.0	1141.8	1145.1	1146.3
-2.5°	1139.6	1139.1	1138.7	1137.0	1138.7	1139.1	1139.6	1141.6	1143.5	1145.1	1145.6
-5°	1144.6	1143.1	1138.9	1144.6	1138.9	1143.1	1144.6	1146.7	1149.9	1152.1	1151.5
-7.5°	1149.9	1146.0	1142.1	1150.9	1142.1	1146.0	1149.9	1151.5	1155.3	1158.3	1158.1
-10°	1154.7	1149.1	1145.4	1153.9	1145.4	1149.1	1154.7	1158.6	1161.8	1164.7	1165.2
-12.5°	1161.1	1154.6	1152.0	1156.7	1152.0	1154.6	1161.1	1165.6	1169.1	1171.2	1170.4
-15°	1167.9	1163.4	1162.8	1165.5	1162.8	1163.4	1167.9	1172.6	1175.4	1177.1	1174.0
-17.5°	1173.9	1170.7	1172.3	1175.4	1172.3	1170.7	1173.9	1177.7	1180.0	1180.7	1176.4
-20°	1176.7	1175.0	1176.7	1184.5	1176.7	1175.0	1176.7	1179.2	1180.7	1180.3	1174.1



REPORT NUMBER: P645309 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1B-727-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1176.5	1176.6	1179.7	1182.2	1179.7	1176.6	1176.5	1177.8	1177.7	1175.7	1165.3
-25°	1172.0	1174.3	1177.9	1183.0	1177.9	1174.3	1172.0	1171.9	1170.3	1165.3	1154.7
-27.5°	1161.2	1165.1	1168.8	1174.1	1168.8	1165.1	1161.2	1159.6	1156.9	1149.9	1141.3
-30°	1145.5	1150.2	1153.5	1159.2	1153.5	1150.2	1145.5	1142.7	1138.3	1130.4	1117.5
-32.5°	1126.5	1131.8	1135.7	1139.8	1135.7	1131.8	1126.5	1122.1	1117.5	1108.4	1090.5
-35°	1102.6	1108.3	1112.5	1116.2	1112.5	1108.3	1102.6	1096.9	1091.1	1083.3	1063.0
-37.5°	1074.0	1080.2	1084.9	1089.2	1084.9	1080.2	1074.0	1067.2	1061.1	1053.5	1033.7
-40°	1040.7	1047.0	1052.1	1056.8	1052.1	1047.0	1040.7	1032.9	1025.9	1017.0	999.9
-42.5°	1001.7	1008.1	1013.3	1018.1	1013.3	1008.1	1001.7	993.4	984.9	974.1	959.3
-45°	956.7	963.3	968.8	973.9	968.8	963.3	956.7	948.0	937.1	923.1	905.5
-47.5°	904.9	911.9	916.6	919.0	916.6	911.9	904.9	895.6	883.0	866.7	847.3
-50°	845.5	852.5	858.1	862.3	858.1	852.5	845.5	836.2	823.4	805.8	785.3
-52.5°	780.1	786.7	791.6	794.6	791.6	786.7	780.1	771.1	758.7	739.8	718.2
-55°	708.4	715.4	720.0	722.2	720.0	715.4	708.4	699.1	687.3	668.1	646.8
-57.5°	627.2	633.8	638.8	641.6	638.8	633.8	627.2	618.2	606.8	588.7	568.2
-60°	537.4	543.3	547.0	548.5	547.0	543.3	537.4	529.1	518.4	502.5	483.7
-62.5°	445.5	451.1	454.6	456.0	454.6	451.1	445.5	437.9	428.6	415.6	399.9
-65°	354.6	358.2	360.1	360.4	360.1	358.2	354.6	349.4	342.3	332.2	320.0
-67.5°	273.6	276.2	277.9	278.4	277.9	276.2	273.6	269.9	265.2	259.3	251.8
-70°	214.7	216.5	217.5	217.7	217.5	216.5	214.7	211.9	208.2	203.2	197.1
-72.5°	160.1	161.4	160.9	159.8	160.9	161.4	160.1	158.2	155.8	153.0	150.1
-75°	124.8	126.3	125.7	124.7	125.7	126.3	124.8	123.1	121.1	118.8	116.2
-77.5°	99.8	101.1	100.4	99.4	100.4	101.1	99.8	98.2	96.4	94.3	92.0
-80°	71.3	72.0	72.6	72.8	72.6	72.0	71.3	70.3	69.1	67.9	67.0
-82.5°	36.5	35.4	34.7	33.9	34.7	35.4	36.5	37.4	38.0	38.5	38.7
-85°	10.3	10.0	10.2	10.4	10.2	10.0	10.3	10.5	10.7	10.8	11.7
-87.5°	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.7	2.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645309 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1B-727-U-LAM-VSR-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°	0.1	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
62.5°	0.5	0.5	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.7	1.0
60°	1.2	1.0	1.4	1.6	1.4	2.4	4.0	3.6	1.0	5.7	6.6
57.5°	16.7	13.9	29.1	29.0	12.1	16.4	22.0	14.5	9.5	16.2	21.4
55°	116.7	106.8	92.9	91.4	96.3	73.1	61.2	58.9	46.1	29.9	35.5
52.5°	164.5	154.7	145.2	136.3	129.0	121.3	109.8	97.5	93.6	75.3	58.1
50°	186.2	195.7	186.3	163.4	167.4	156.4	140.3	127.1	129.8	118.7	95.7
47.5°	252.5	264.1	264.3	250.6	235.4	230.8	207.1	166.1	168.8	168.4	144.0
45°	369.6	353.4	359.5	340.2	313.3	298.5	297.7	253.8	213.1	206.5	204.2
42.5°	433.8	421.8	409.4	395.1	371.3	347.6	333.0	308.3	275.6	246.6	236.4
40°	459.8	445.8	434.2	422.3	403.2	378.9	367.1	334.7	310.2	285.1	276.8
37.5°	491.1	464.6	474.9	452.5	434.7	428.8	419.7	386.0	331.5	327.0	322.7
35°	561.1	536.3	560.2	556.0	485.3	493.2	499.3	457.8	400.8	369.9	370.6
32.5°	721.0	663.8	646.4	667.8	630.6	568.9	569.8	557.2	479.4	434.4	414.7
30°	778.9	753.5	726.0	722.3	694.6	658.9	636.2	605.9	549.3	497.9	464.2
27.5°	803.8	780.7	757.6	739.8	723.7	699.5	669.9	634.3	594.0	548.0	515.2
25°	821.7	795.8	775.8	756.1	738.9	720.6	690.3	655.6	618.0	581.0	545.7
22.5°	836.0	811.9	790.4	769.2	755.2	735.5	708.3	672.5	647.2	623.7	577.9
20°	851.6	828.5	804.2	805.3	784.7	751.7	725.6	707.8	704.3	677.8	618.7
17.5°	919.6	855.9	867.7	890.2	844.8	785.0	775.7	776.7	765.7	741.1	667.6
15°	1065.2	973.1	973.9	989.5	940.3	866.8	849.9	847.8	830.5	803.3	719.3
12.5°	1111.1	1080.3	1074.7	1051.7	1003.4	948.5	928.4	917.5	885.8	833.1	756.4
10°	1126.6	1108.8	1085.1	1061.9	1032.6	1010.5	981.9	942.4	897.4	846.5	784.1
7.5°	1128.4	1109.9	1090.9	1068.8	1043.0	1017.1	988.9	949.6	906.1	856.2	803.6
5°	1127.4	1108.9	1091.3	1070.2	1044.0	1018.9	993.3	954.5	912.0	862.5	816.5
2.5°	1124.6	1106.0	1089.1	1070.0	1044.0	1019.8	996.0	959.7	916.2	867.7	820.8
0°	1128.6	1110.2	1094.2	1072.7	1049.2	1021.1	997.4	965.0	918.2	871.2	822.4
-2.5°	1130.3	1111.3	1096.7	1072.4	1053.0	1024.3	1000.2	968.9	922.1	877.3	826.3
-5°	1139.5	1120.5	1101.4	1077.1	1056.7	1029.8	1002.8	970.5	924.9	880.6	828.1
-7.5°	1145.5	1126.2	1104.1	1080.5	1059.9	1034.3	1004.3	970.7	927.6	880.6	828.9
-10°	1149.3	1129.1	1107.2	1083.1	1061.8	1035.4	1003.7	969.8	927.0	878.5	827.1
-12.5°	1154.5	1131.8	1109.3	1081.9	1060.6	1033.5	1001.9	967.9	923.0	874.7	822.3
-15°	1156.5	1133.2	1106.8	1080.0	1056.7	1030.4	997.7	962.2	916.1	868.7	814.6
-17.5°	1157.3	1130.8	1102.7	1077.0	1051.9	1024.0	989.5	951.7	907.2	858.3	804.4
-20°	1156.6	1125.9	1096.9	1068.9	1042.6	1014.2	978.6	941.2	894.5	844.7	791.2



Classified

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

Scaled Data Report



REPORT NUMBER: P645309 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1B-727-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1144.8	1117.0	1087.7	1057.3	1031.4	1001.3	966.5	927.8	878.0	829.8	774.4
-25°	1131.8	1103.7	1073.4	1045.1	1017.6	987.7	952.0	908.1	860.8	810.6	753.9
-27.5°	1116.5	1086.9	1055.6	1026.8	997.7	968.4	931.4	887.1	841.6	786.8	731.7
-30°	1095.8	1065.2	1033.3	1000.4	973.8	943.9	907.3	864.3	815.4	761.3	708.9
-32.5°	1067.6	1038.9	1007.0	975.7	947.9	916.5	879.5	836.9	785.6	734.4	679.9
-35°	1039.0	1009.2	978.8	949.4	920.1	887.2	849.5	803.1	754.1	703.3	646.8
-37.5°	1006.3	975.3	946.8	918.8	888.6	854.8	813.2	768.4	720.6	664.8	611.0
-40°	971.2	941.4	910.2	882.5	850.3	816.2	776.0	732.5	679.8	624.8	574.2
-42.5°	929.5	899.7	867.5	836.7	805.5	773.1	736.8	689.6	637.5	585.5	533.0
-45°	879.2	849.3	817.8	786.0	756.7	725.3	691.5	641.2	589.7	540.2	489.8
-47.5°	822.6	793.6	763.2	731.7	703.8	672.3	631.1	584.3	538.8	491.6	440.0
-50°	761.1	733.5	705.4	676.2	644.9	609.3	569.8	528.9	483.8	435.4	388.3
-52.5°	693.8	668.6	642.1	614.0	581.7	546.4	509.3	466.0	421.0	379.9	337.0
-55°	623.7	598.8	572.5	544.5	514.4	479.4	441.1	401.7	364.9	326.9	294.2
-57.5°	546.1	522.5	497.5	471.0	443.2	410.7	377.0	343.6	314.5	285.0	255.3
-60°	463.1	441.1	419.8	396.3	370.7	342.7	318.2	293.5	268.8	245.3	221.3
-62.5°	382.8	364.4	345.2	326.2	306.6	286.4	266.1	247.1	227.6	207.6	190.0
-65°	306.9	292.9	277.8	264.6	250.7	236.1	219.8	204.8	190.7	176.0	161.1
-67.5°	243.1	233.1	222.5	212.1	202.6	192.5	181.0	168.9	157.7	146.8	135.8
-70°	190.7	184.1	177.1	169.5	162.0	154.4	145.9	137.1	128.1	119.9	112.2
-72.5°	146.4	141.8	136.5	131.1	125.3	120.1	114.3	108.3	102.2	96.0	90.2
-75°	113.3	110.0	106.4	102.3	97.3	91.5	87.1	84.2	80.5	76.0	71.2
-77.5°	89.6	87.2	84.6	81.1	77.5	73.7	70.1	66.4	62.9	59.5	56.4
-80°	65.9	64.8	63.3	60.5	57.6	54.7	52.0	49.7	47.6	45.3	42.5
-82.5°	38.7	38.6	38.2	36.5	34.9	33.3	31.8	30.2	28.5	26.8	25.1
-85°	12.5	13.2	13.7	14.0	14.2	14.2	14.1	13.7	13.3	12.7	12.1
-87.5°	2.7	2.7	2.7	2.8	2.9	3.0	3.1	3.3	3.4	3.5	3.6
-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: P645309 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1B-727-U-LAM-VSR-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°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5
72.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.5
70°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.5
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.6	0.4	0.5
65°	0.4	0.5	0.5	0.7	0.6	0.4	0.5	1.0	0.8	0.7	0.5
62.5°	0.8	0.5	1.6	2.1	1.2	1.0	0.7	2.2	1.4	0.9	0.7
60°	2.0	1.6	4.4	7.1	5.0	1.7	2.5	3.8	3.5	1.2	0.9
57.5°	18.5	6.3	9.2	13.3	13.1	7.1	5.2	6.9	6.0	3.4	1.3
55°	39.6	33.3	22.0	20.1	21.7	17.5	11.5	11.2	9.2	6.4	2.2
52.5°	54.3	56.7	49.3	34.5	30.0	28.6	22.3	16.3	14.5	9.6	5.5
50°	78.6	73.2	72.5	60.8	42.1	38.1	33.0	25.4	20.3	13.7	9.4
47.5°	111.1	97.6	90.4	85.2	67.2	48.6	43.2	34.8	26.7	19.7	13.4
45°	158.7	126.1	112.3	103.8	92.0	68.3	54.1	43.9	34.8	26.5	17.6
42.5°	206.6	163.1	137.2	123.5	111.3	90.6	65.8	54.3	42.7	33.4	22.9
40°	248.8	201.2	163.5	145.9	130.2	112.1	84.6	65.5	50.5	40.5	28.9
37.5°	299.7	244.5	193.7	169.3	150.4	130.1	103.7	77.2	59.8	47.9	35.0
35°	348.9	300.7	227.4	197.5	172.8	148.5	122.1	91.1	71.2	55.4	41.0
32.5°	401.7	353.5	278.4	229.1	196.0	167.4	139.3	107.9	82.6	63.1	47.1
30°	443.3	388.3	323.2	260.6	221.3	188.4	156.5	124.0	94.2	70.7	53.1
27.5°	465.3	418.3	358.5	295.8	249.7	210.0	174.2	139.4	105.7	79.2	59.5
25°	488.1	439.5	383.8	326.6	277.8	232.8	191.8	154.1	118.2	88.8	65.7
22.5°	515.4	457.5	405.1	351.0	306.8	255.9	210.3	169.0	130.8	98.1	71.9
20°	542.8	474.3	426.1	384.1	335.2	281.0	229.6	183.5	142.6	107.3	78.0
17.5°	571.6	504.7	461.7	416.5	363.5	305.2	248.7	197.6	153.7	116.1	83.8
15°	621.6	550.1	497.7	448.0	391.7	328.5	267.3	211.1	164.1	124.6	89.3
12.5°	667.0	592.4	533.6	478.5	419.4	350.8	285.2	223.9	173.6	131.3	94.1
10°	704.6	631.7	569.2	507.7	446.3	371.7	302.3	234.4	179.4	136.4	98.6
7.5°	735.3	668.0	603.8	535.6	469.4	385.5	310.9	240.5	183.9	140.7	102.7
5°	757.6	692.2	622.2	545.2	476.6	391.1	316.7	245.5	187.5	144.3	106.4
2.5°	764.0	699.6	629.1	550.5	481.5	394.8	320.9	249.3	190.2	147.2	109.7
0°	767.8	704.5	633.5	553.8	484.0	396.5	323.4	251.9	192.2	149.5	112.5
-2.5°	773.0	708.7	637.7	562.2	485.7	401.8	324.8	253.6	194.7	150.3	114.2
-5°	775.6	710.4	639.6	567.8	485.3	405.0	324.7	254.1	196.3	150.6	115.4
-7.5°	774.4	709.9	639.7	569.6	483.1	405.7	322.9	253.5	196.9	150.4	116.1
-10°	770.9	707.0	637.3	565.0	481.1	402.9	319.7	251.9	196.6	149.7	116.4
-12.5°	765.6	701.6	632.3	558.5	476.8	396.9	316.0	249.1	195.0	148.6	116.2
-15°	758.8	693.8	624.7	550.1	469.9	389.1	310.5	245.1	191.9	147.5	115.5
-17.5°	749.9	683.6	614.5	540.2	460.1	379.3	303.0	239.9	188.0	146.0	114.2
-20°	734.1	669.9	601.5	528.9	447.5	367.8	293.6	233.5	183.4	144.0	112.2



REPORT NUMBER: P645309 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1B-727-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	716.4	652.9	585.3	513.7	432.2	354.5	282.2	225.8	178.1	141.3	109.8
-25°	697.5	633.8	566.5	492.6	415.4	340.5	270.8	217.0	172.1	138.1	107.0
-27.5°	675.2	612.2	545.2	469.4	395.8	324.2	259.9	209.1	166.3	134.1	103.9
-30°	650.3	586.7	518.5	444.7	374.3	305.4	247.6	200.8	161.4	129.9	100.4
-32.5°	621.7	558.7	489.0	419.4	351.7	285.4	234.1	191.8	155.8	125.3	97.1
-35°	589.1	526.1	457.7	392.2	327.7	269.2	220.8	182.3	149.4	120.4	93.7
-37.5°	555.2	491.0	426.4	363.8	302.2	251.8	209.0	173.0	142.2	115.2	89.9
-40°	516.4	455.0	393.5	334.5	280.1	233.0	196.1	163.7	135.5	109.6	85.8
-42.5°	476.5	417.2	359.3	303.6	258.3	217.7	182.6	153.7	128.3	104.2	81.3
-45°	433.5	377.4	322.8	277.5	236.1	201.6	170.8	143.3	120.7	98.7	76.6
-47.5°	388.1	335.3	289.7	250.3	217.2	185.4	158.2	134.4	112.7	92.7	72.0
-50°	340.0	296.1	259.2	226.7	196.9	170.7	145.7	125.1	105.4	86.2	67.1
-52.5°	297.4	262.2	231.7	203.9	179.0	155.3	134.9	115.5	97.8	79.9	62.0
-55°	260.8	232.1	206.3	183.1	161.2	142.1	123.8	106.9	90.0	73.6	56.9
-57.5°	229.3	204.2	183.5	163.4	145.3	129.0	113.6	98.2	82.6	67.1	52.8
-60°	199.1	180.3	161.9	145.7	130.4	116.6	103.9	89.4	75.1	60.6	48.3
-62.5°	172.9	156.8	142.9	128.9	116.2	104.9	94.2	80.9	67.3	54.5	43.4
-65°	148.4	136.0	124.2	113.0	102.4	92.9	84.2	72.2	59.6	48.2	38.3
-67.5°	125.1	115.8	106.5	97.1	88.8	81.0	73.7	62.8	51.5	41.5	33.2
-70°	104.3	96.4	89.1	82.1	75.3	68.9	61.9	52.7	43.0	35.4	28.0
-72.5°	84.6	78.9	72.8	67.0	62.1	56.4	50.0	42.8	36.0	29.3	22.7
-75°	66.5	62.6	58.4	53.8	49.2	44.1	39.9	34.8	28.9	23.1	18.3
-77.5°	53.2	49.4	45.2	41.5	38.4	35.0	31.1	26.7	22.0	17.9	14.1
-80°	39.2	36.4	34.0	31.9	29.0	25.8	22.6	19.4	16.0	12.8	9.9
-82.5°	23.9	23.3	22.7	21.7	19.3	16.9	14.6	12.3	9.9	7.6	6.3
-85°	12.0	11.7	11.4	10.9	9.4	7.9	7.3	6.6	5.8	5.0	4.2
-87.5°	4.0	4.2	4.5	4.6	4.3	4.0	3.6	3.3	2.9	2.5	2.1
-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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Scaled Data Report



REPORT NUMBER: P645309 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1B-727-U-LAM-VSR-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°	0.1	0.1	0.1	0.1	0.0	0.0	0.0
85°	0.3	0.2	0.2	0.1	0.1	0.1	0.0
82.5°	0.4	0.3	0.3	0.2	0.1	0.1	0.0
80°	0.5	0.4	0.3	0.3	0.2	0.1	0.0
77.5°	0.5	0.5	0.4	0.3	0.2	0.1	0.0
75°	0.5	0.5	0.5	0.4	0.3	0.2	0.0
72.5°	0.5	0.5	0.5	0.4	0.3	0.2	0.0
70°	0.5	0.6	0.6	0.5	0.4	0.2	0.0
67.5°	0.6	0.6	0.6	0.5	0.4	0.3	0.0
65°	0.7	0.7	0.6	0.6	0.4	0.3	0.0
62.5°	0.8	0.8	0.7	0.6	0.5	0.3	0.0
60°	0.9	1.0	0.7	0.6	0.5	0.3	0.0
57.5°	1.7	1.2	0.9	0.7	0.6	0.4	0.0
55°	2.8	1.4	1.1	0.7	0.6	0.4	0.0
52.5°	4.0	1.8	1.3	0.7	0.6	0.4	0.0
50°	5.3	3.1	1.5	0.8	0.7	0.4	0.0
47.5°	7.2	4.5	1.8	0.8	0.7	0.5	0.0
45°	10.8	6.0	2.0	1.0	0.7	0.5	0.0
42.5°	14.6	7.6	2.3	1.2	0.8	0.5	0.0
40°	18.4	9.3	3.1	1.5	0.8	0.5	0.0
37.5°	22.3	11.1	4.4	1.8	0.8	0.6	0.0
35°	26.2	13.8	5.7	2.1	0.9	0.6	0.0
32.5°	30.5	16.9	7.1	2.5	0.9	0.6	0.0
30°	35.4	20.0	8.5	2.9	0.9	0.6	0.0
27.5°	40.2	23.1	10.2	3.3	1.0	0.6	0.0
25°	44.9	26.1	11.9	3.7	1.0	0.7	0.0
22.5°	49.5	29.1	13.6	4.2	1.0	0.7	0.0
20°	53.9	32.4	15.3	4.7	1.1	0.7	0.0
17.5°	58.2	35.6	17.0	5.1	1.1	0.7	0.0
15°	62.4	38.7	18.6	5.6	1.1	0.7	0.0
12.5°	66.3	41.6	20.2	6.1	1.2	0.7	0.0
10°	69.9	44.4	21.7	6.6	1.2	0.8	0.0
7.5°	73.2	46.9	23.2	7.1	1.2	0.8	0.0
5°	76.3	49.3	24.5	7.5	1.3	0.8	0.0
2.5°	79.0	51.5	25.7	7.9	1.3	0.8	0.0
0°	81.4	53.4	26.8	8.3	1.3	0.8	0.0
-2.5°	82.6	54.6	27.8	8.8	1.5	0.8	0.0
-5°	83.5	55.6	28.7	9.3	1.7	0.9	0.0
-7.5°	84.0	56.3	29.4	9.8	1.9	0.9	0.0
-10°	84.3	56.7	29.9	10.2	2.1	1.0	0.0
-12.5°	84.2	56.9	30.3	10.5	2.2	1.0	0.0
-15°	83.9	56.8	30.5	10.8	2.4	1.0	0.0
-17.5°	83.3	56.4	30.4	11.0	2.5	1.0	0.0
-20°	82.3	55.8	30.2	11.1	2.7	1.1	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	81.0	55.0	29.8	11.1	2.8	1.1	0.0
-25°	79.3	53.7	29.1	11.1	2.9	1.1	0.0
-27.5°	77.3	52.0	28.3	10.9	3.0	1.1	0.0
-30°	74.9	50.1	27.2	10.7	3.1	1.1	0.0
-32.5°	72.3	48.0	26.0	10.4	3.1	1.1	0.0
-35°	69.4	45.7	24.6	10.0	3.2	1.1	0.0
-37.5°	66.4	43.4	23.1	9.5	3.2	1.1	0.0
-40°	63.1	41.3	21.4	8.9	3.2	1.1	0.0
-42.5°	59.5	39.0	20.2	8.3	3.2	1.1	0.0
-45°	55.7	36.6	19.3	7.6	3.2	1.1	0.0
-47.5°	51.8	34.1	18.3	6.9	3.1	1.0	0.0
-50°	48.4	31.4	17.2	6.6	3.0	1.0	0.0
-52.5°	45.1	28.6	15.9	6.5	2.9	1.0	0.0
-55°	41.7	26.5	14.4	6.3	2.8	0.9	0.0
-57.5°	38.1	24.3	12.8	6.0	2.7	0.9	0.0
-60°	34.4	22.0	11.2	5.7	2.5	0.8	0.0
-62.5°	31.1	19.4	10.4	5.3	2.4	0.8	0.0
-65°	27.6	16.7	9.5	4.8	2.2	0.7	0.0
-67.5°	23.8	14.5	8.5	4.3	2.0	0.7	0.0
-70°	19.8	12.7	7.4	3.7	1.8	0.6	0.0
-72.5°	16.7	10.7	6.2	3.3	1.6	0.5	0.0
-75°	13.7	8.6	4.9	2.9	1.4	0.5	0.0
-77.5°	10.5	6.5	4.1	2.4	1.2	0.4	0.0
-80°	7.1	4.9	3.3	2.0	1.0	0.3	0.0
-82.5°	5.2	3.7	2.5	1.5	0.7	0.2	0.0
-85°	3.5	2.5	1.7	1.0	0.5	0.2	0.0
-87.5°	1.8	1.3	0.8	0.5	0.2	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)