

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: P645299 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1A-730-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645299 (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-SA1A-730-U-LAM-VSR-XX  
Description: GALLEON FLOOD, ONE LIGHT SQUARE, LAMBERTIAN WITH VISOR  
Light Source: (16) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

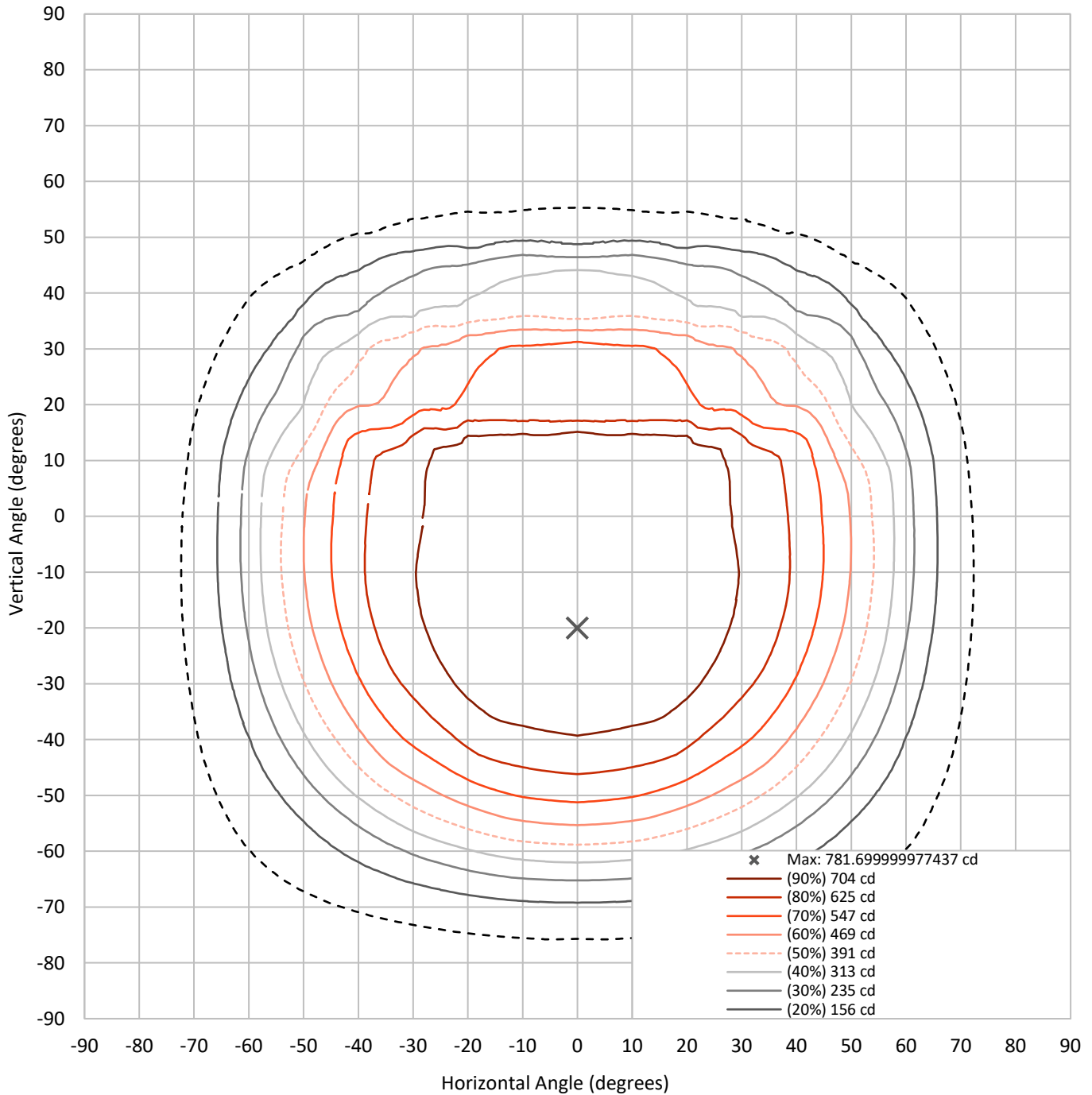
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	1833 lumens	Max Intensity:	781.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	101.3 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:	1432.9 lumens	Field Lumens:	1796.6 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	18.1		
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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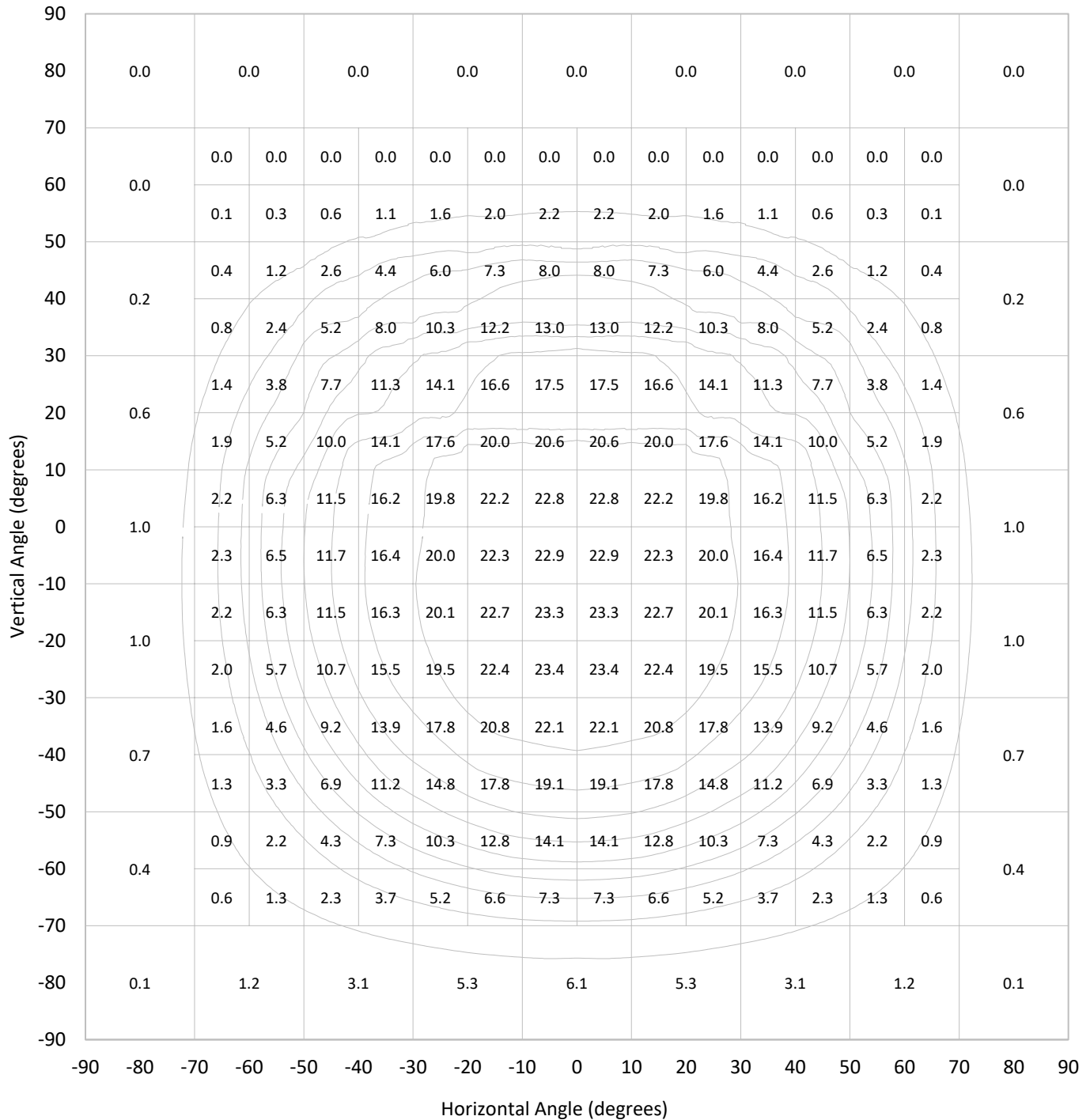
### Iso-Candela Plot





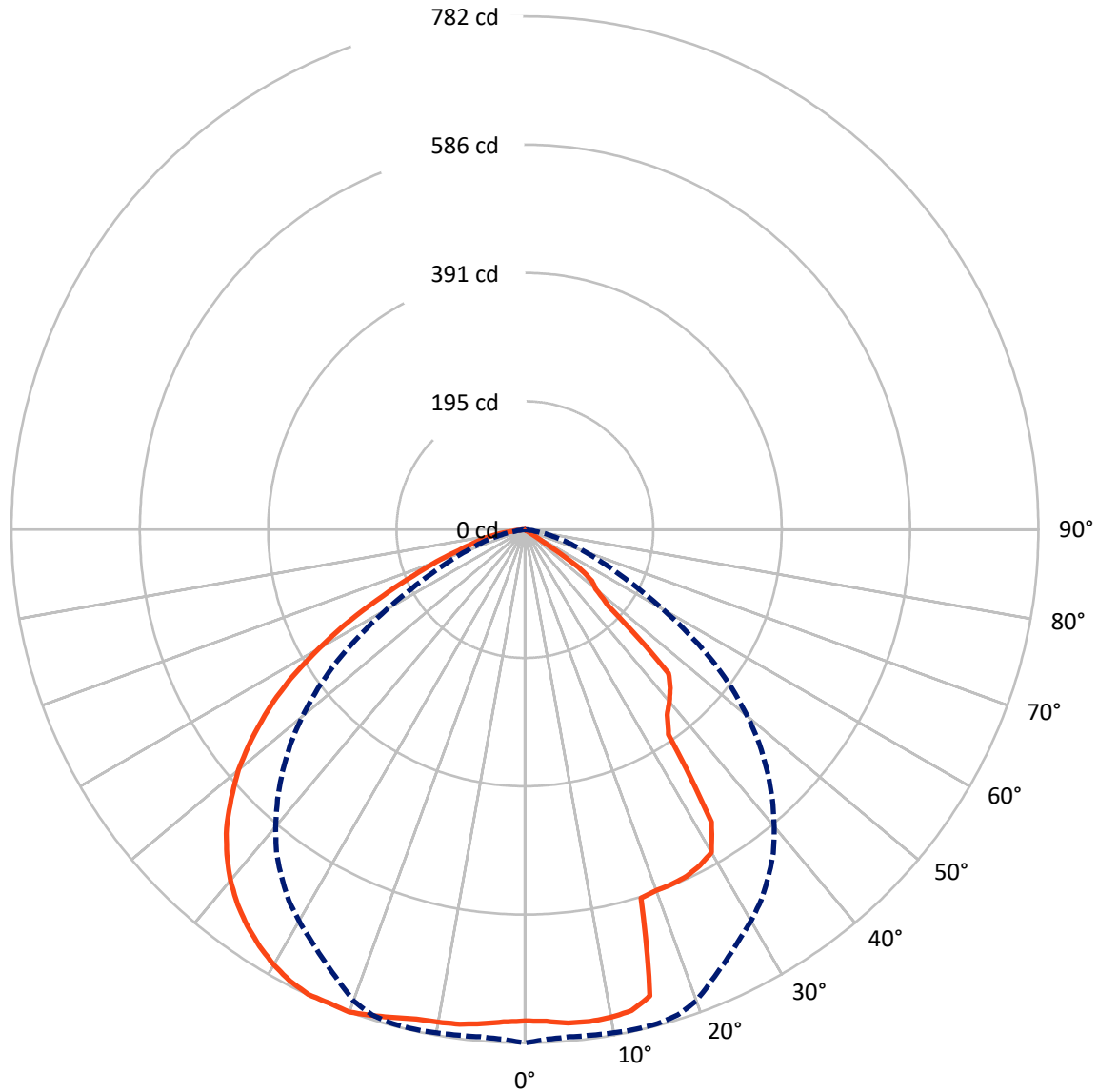
REPORT NUMBER: P645299 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Lumen Table



REPORT NUMBER: P645299 (CONVERTED FROM TYPE C PHOTOMETRY)  
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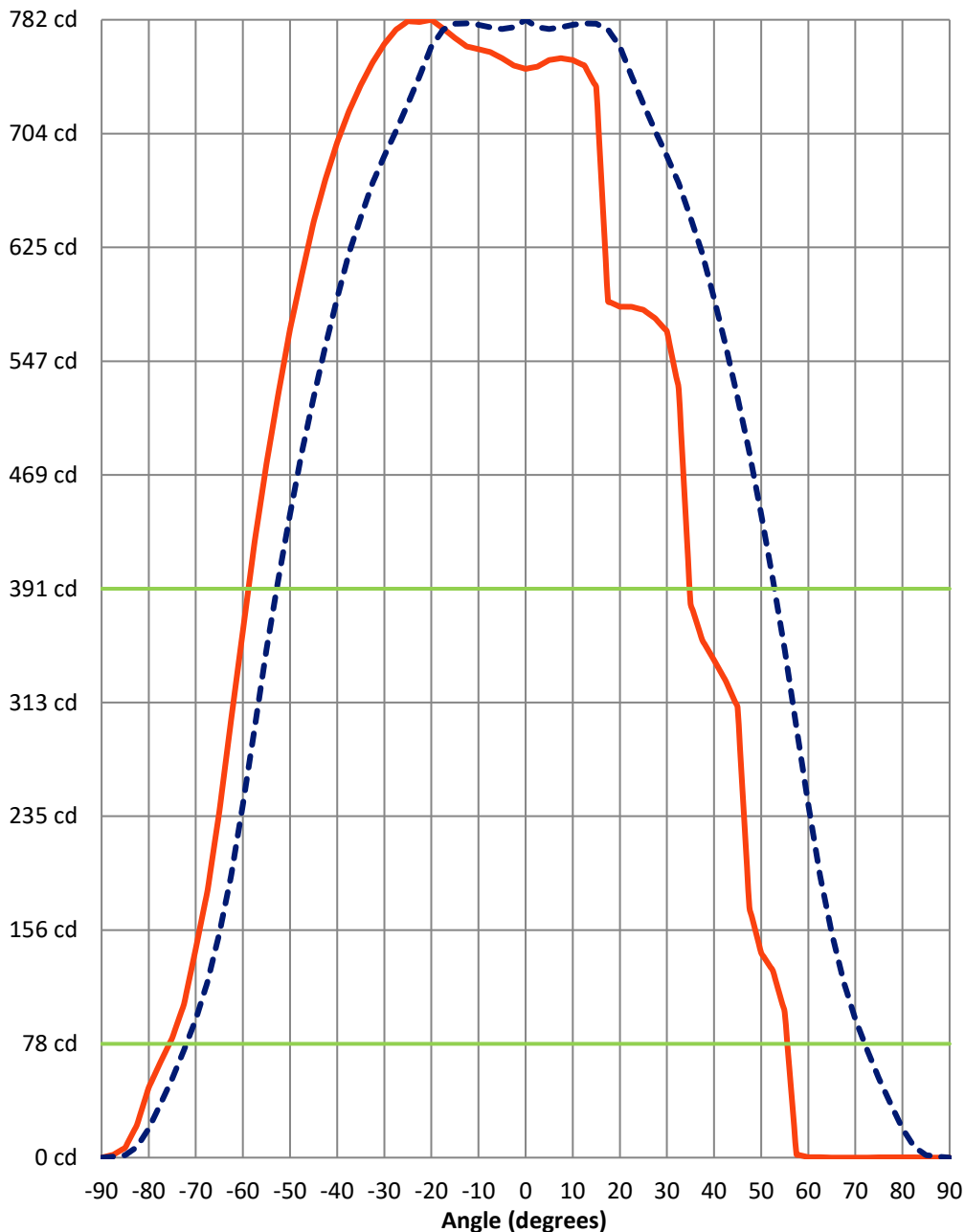
### Luminous Intensity Polar Plot



— 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: 1432.9  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 1796.6  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 36.4  
 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	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.2	0.2
80°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2
77.5°	0.0	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2
75°	0.0	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2
72.5°	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
70°	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3
67.5°	0.0	0.2	0.2	0.3	0.4	0.4	0.4	0.3	0.3	0.4	0.4
65°	0.0	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.4	0.5	0.6
62.5°	0.0	0.2	0.3	0.4	0.4	0.5	0.5	0.4	0.6	0.9	1.4
60°	0.0	0.2	0.3	0.4	0.4	0.6	0.6	0.6	0.8	2.3	2.5
57.5°	0.0	0.2	0.3	0.4	0.6	0.8	1.1	0.9	2.3	3.9	4.6
55°	0.0	0.2	0.4	0.4	0.7	0.9	1.8	1.4	4.2	6.1	7.4
52.5°	0.0	0.3	0.4	0.4	0.8	1.2	2.6	3.7	6.3	9.5	10.7
50°	0.0	0.3	0.4	0.5	1.0	2.0	3.5	6.2	9.0	13.4	16.8
47.5°	0.0	0.3	0.4	0.5	1.1	3.0	4.7	8.8	13.0	17.6	22.9
45°	0.0	0.3	0.5	0.6	1.3	4.0	7.1	11.6	17.5	23.0	28.9
42.5°	0.0	0.3	0.5	0.8	1.5	5.0	9.6	15.1	22.0	28.1	35.8
40°	0.0	0.3	0.5	0.9	2.0	6.1	12.1	19.1	26.7	33.2	43.2
37.5°	0.0	0.3	0.5	1.1	2.9	7.3	14.7	23.1	31.6	39.4	50.9
35°	0.0	0.4	0.5	1.3	3.7	9.1	17.3	27.1	36.6	46.9	60.0
32.5°	0.0	0.4	0.6	1.6	4.6	11.1	20.1	31.0	41.6	54.5	71.1
30°	0.0	0.4	0.6	1.8	5.6	13.2	23.3	35.1	46.7	62.1	81.8
27.5°	0.0	0.4	0.6	2.1	6.7	15.2	26.5	39.3	52.3	69.7	92.0
25°	0.0	0.4	0.6	2.4	7.8	17.2	29.6	43.4	58.6	78.0	101.7
22.5°	0.0	0.4	0.6	2.7	9.0	19.2	32.6	47.5	64.8	86.3	111.5
20°	0.0	0.4	0.7	3.1	10.1	21.4	35.5	51.5	70.8	94.1	121.1
17.5°	0.0	0.4	0.7	3.4	11.2	23.5	38.4	55.4	76.6	101.4	130.3
15°	0.0	0.5	0.7	3.7	12.3	25.5	41.2	59.0	82.3	108.3	139.3
12.5°	0.0	0.5	0.7	4.0	13.3	27.4	43.7	62.2	86.7	114.6	147.7
10°	0.0	0.5	0.7	4.4	14.3	29.2	46.1	65.1	90.0	118.4	154.6
7.5°	0.0	0.5	0.8	4.7	15.3	30.9	48.3	67.8	92.9	121.3	158.7
5°	0.0	0.5	0.8	5.0	16.2	32.5	50.3	70.3	95.2	123.7	162.0
2.5°	0.0	0.5	0.8	5.2	17.0	33.9	52.1	72.4	97.1	125.5	164.5
0°	0.0	0.5	0.8	5.5	17.7	35.2	53.7	74.3	98.6	126.8	166.2
-2.5°	0.0	0.5	0.9	5.9	18.4	36.0	54.5	75.4	99.1	128.4	167.3
-5°	0.0	0.6	1.1	6.2	18.9	36.6	55.1	76.2	99.3	129.5	167.7
-7.5°	0.0	0.6	1.2	6.5	19.4	37.1	55.4	76.7	99.2	129.9	167.3
-10°	0.0	0.6	1.3	6.7	19.8	37.4	55.6	76.9	98.8	129.7	166.2
-12.5°	0.0	0.6	1.4	7.0	20.0	37.5	55.6	76.7	98.1	128.6	164.4
-15°	0.0	0.6	1.5	7.1	20.1	37.4	55.4	76.3	97.3	126.6	161.8
-17.5°	0.0	0.7	1.6	7.3	20.1	37.2	55.0	75.3	96.4	124.1	158.3
-20°	0.0	0.7	1.7	7.3	20.0	36.8	54.3	74.0	95.0	121.0	154.1

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA1A-730-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	0.7	1.8	7.4	19.7	36.3	53.4	72.5	93.3	117.5	149.1
-25°	0.0	0.7	1.9	7.3	19.3	35.4	52.3	70.6	91.1	113.6	143.2
-27.5°	0.0	0.7	1.9	7.2	18.7	34.3	51.0	68.5	88.5	109.7	138.0
-30°	0.0	0.7	2.0	7.1	18.0	33.1	49.4	66.2	85.7	106.5	132.5
-32.5°	0.0	0.7	2.0	6.9	17.2	31.7	47.7	64.1	82.7	102.8	126.6
-35°	0.0	0.7	2.1	6.6	16.3	30.2	45.8	61.8	79.5	98.6	120.3
-37.5°	0.0	0.7	2.1	6.3	15.3	28.7	43.8	59.3	76.0	93.8	114.1
-40°	0.0	0.7	2.1	5.9	14.2	27.3	41.6	56.6	72.3	89.4	108.0
-42.5°	0.0	0.7	2.1	5.4	13.4	25.8	39.3	53.6	68.7	84.7	101.4
-45°	0.0	0.7	2.0	5.0	12.8	24.2	36.8	50.6	65.1	79.6	94.6
-47.5°	0.0	0.7	2.0	4.5	12.1	22.5	34.2	47.5	61.2	74.4	88.7
-50°	0.0	0.6	2.0	4.3	11.3	20.8	32.0	44.3	56.9	69.5	82.5
-52.5°	0.0	0.6	1.9	4.3	10.5	18.9	29.8	41.0	52.7	64.5	76.2
-55°	0.0	0.6	1.8	4.1	9.5	17.5	27.5	37.6	48.6	59.4	70.6
-57.5°	0.0	0.6	1.7	3.9	8.4	16.1	25.2	34.9	44.3	54.5	64.8
-60°	0.0	0.5	1.6	3.7	7.3	14.5	22.8	31.9	40.0	49.6	59.1
-62.5°	0.0	0.5	1.5	3.5	6.8	12.8	20.6	28.6	36.0	44.5	53.4
-65°	0.0	0.5	1.4	3.2	6.2	11.0	18.2	25.3	31.8	39.3	47.6
-67.5°	0.0	0.4	1.3	2.8	5.6	9.5	15.7	21.9	27.4	34.0	41.4
-70°	0.0	0.4	1.2	2.4	4.8	8.3	13.0	18.5	23.4	28.4	34.8
-72.5°	0.0	0.3	1.0	2.1	4.0	7.1	11.0	15.0	19.3	23.8	28.3
-75°	0.0	0.3	0.9	1.9	3.2	5.7	9.0	12.1	15.2	19.1	23.0
-77.5°	0.0	0.2	0.8	1.6	2.7	4.3	6.9	9.3	11.8	14.5	17.6
-80°	0.0	0.2	0.6	1.3	2.1	3.3	4.7	6.5	8.5	10.6	12.8
-82.5°	0.0	0.1	0.5	1.0	1.6	2.5	3.5	4.2	5.1	6.6	8.2
-85°	0.0	0.1	0.3	0.6	1.1	1.6	2.3	2.8	3.3	3.8	4.4
-87.5°	0.0	0.1	0.2	0.3	0.5	0.8	1.2	1.4	1.7	1.9	2.2
-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: P645299 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1A-730-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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2
65°	0.3	0.3	0.4	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.2
62.5°	0.5	0.6	0.8	1.4	1.0	0.3	0.5	0.6	0.4	0.4	0.4
60°	1.6	1.1	3.3	4.7	2.9	1.1	1.3	4.4	3.8	0.7	2.4
57.5°	3.4	4.7	8.7	8.8	6.1	4.2	12.2	14.2	10.7	6.2	9.5
55°	7.5	11.6	14.4	13.3	14.5	22.0	26.1	23.5	19.7	30.4	38.8
52.5°	14.7	18.9	19.8	22.7	32.6	37.4	35.8	38.3	49.7	61.7	64.3
50°	21.8	25.1	27.8	40.2	47.8	48.3	51.9	63.1	78.3	85.7	83.9
47.5°	28.5	32.0	44.3	56.2	59.7	64.4	73.3	95.0	111.1	111.4	109.6
45°	35.7	45.1	60.7	68.5	74.1	83.2	104.7	134.7	136.3	140.7	167.5
42.5°	43.4	59.8	73.4	81.5	90.5	107.6	136.3	156.0	162.8	181.9	203.5
40°	55.8	74.0	85.9	96.2	107.8	132.7	164.2	182.7	188.2	204.7	220.9
37.5°	68.4	85.8	99.2	111.6	127.8	161.4	197.8	213.0	215.8	218.8	254.7
35°	80.6	98.0	114.0	130.3	150.1	198.4	230.2	244.5	244.1	264.5	302.1
32.5°	91.9	110.4	129.3	151.1	183.8	233.3	265.1	273.7	286.7	316.3	367.7
30°	103.3	124.3	146.0	172.0	213.3	256.2	292.5	306.3	328.6	362.5	399.8
27.5°	114.9	138.6	164.8	195.2	236.6	276.0	307.1	340.0	361.6	392.0	418.6
25°	126.6	153.6	183.4	215.5	253.2	290.0	322.2	360.2	383.4	407.8	432.6
22.5°	138.8	168.9	202.5	231.6	267.3	301.9	340.2	381.4	411.6	427.1	443.8
20°	151.5	185.4	221.2	253.5	281.1	313.0	358.2	408.3	447.3	464.8	467.1
17.5°	164.1	201.4	239.9	274.9	304.7	333.1	377.2	440.6	489.1	505.3	512.6
15°	176.3	216.8	258.5	295.7	328.4	363.1	410.2	474.7	530.1	548.1	559.5
12.5°	188.2	231.5	276.8	315.8	352.2	391.0	440.2	499.2	549.8	584.6	605.5
10°	199.5	245.3	294.6	335.1	375.6	416.9	465.0	517.5	558.7	592.2	621.9
7.5°	205.2	254.4	309.8	353.4	398.5	440.9	485.3	530.4	565.0	598.0	626.7
5°	209.0	258.1	314.6	359.8	410.7	456.8	500.0	538.8	569.2	601.8	629.9
2.5°	211.8	260.5	317.8	363.3	415.2	461.8	504.2	541.6	572.6	604.6	633.4
0°	213.5	261.7	319.4	365.5	418.1	465.0	506.7	542.7	574.9	606.0	636.9
-2.5°	214.4	265.2	320.5	371.0	420.8	467.8	510.1	545.3	579.0	608.5	639.5
-5°	214.3	267.3	320.2	374.7	422.1	468.8	511.8	546.5	581.2	610.4	640.5
-7.5°	213.1	267.7	318.8	375.9	422.2	468.4	511.1	547.0	581.1	612.1	640.6
-10°	211.0	265.8	317.5	372.9	420.6	466.5	508.7	545.8	579.8	611.8	640.1
-12.5°	208.6	261.9	314.7	368.5	417.3	463.0	505.2	542.7	577.2	609.2	638.8
-15°	204.9	256.8	310.1	363.0	412.3	457.8	500.7	537.6	573.3	604.6	635.0
-17.5°	200.0	250.3	303.7	356.5	405.5	451.1	494.9	530.8	566.4	598.7	628.1
-20°	193.8	242.7	295.3	349.0	396.9	442.1	484.5	522.1	557.5	590.3	621.2



REPORT NUMBER: P645299 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1A-730-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	186.3	234.0	285.3	339.0	386.2	430.9	472.8	511.0	547.6	579.4	612.3
-25°	178.8	224.7	274.2	325.1	373.8	418.3	460.3	497.5	534.9	568.0	599.3
-27.5°	171.5	214.0	261.3	309.8	359.8	404.0	445.7	482.9	519.2	555.4	585.5
-30°	163.4	201.6	247.1	293.5	342.2	387.2	429.2	467.9	502.4	538.1	570.4
-32.5°	154.5	188.4	232.1	276.8	322.7	368.7	410.3	448.7	484.6	518.4	552.3
-35°	145.8	177.7	216.3	258.8	302.1	347.2	388.8	426.9	464.1	497.6	530.0
-37.5°	137.9	166.2	199.5	240.1	281.4	324.1	366.4	403.2	438.7	475.5	507.1
-40°	129.4	153.8	184.9	220.8	259.7	300.3	340.8	379.0	412.3	448.7	483.4
-42.5°	120.5	143.7	170.5	200.4	237.1	275.4	314.5	351.8	386.4	420.7	455.1
-45°	112.7	133.0	155.8	183.2	213.1	249.1	286.1	323.2	356.5	389.2	423.2
-47.5°	104.4	122.3	143.4	165.2	191.2	221.3	256.1	290.4	324.4	355.5	385.6
-50°	96.2	112.7	129.9	149.6	171.1	195.5	224.4	256.3	287.4	319.3	349.1
-52.5°	89.1	102.5	118.1	134.5	152.9	173.1	196.3	222.4	250.8	277.9	307.6
-55°	81.7	93.8	106.4	120.8	136.1	153.2	172.2	194.2	215.8	240.8	265.1
-57.5°	74.9	85.2	95.9	107.8	121.1	134.7	151.4	168.5	188.1	207.5	226.8
-60°	68.6	76.9	86.1	96.2	106.8	118.9	131.4	146.1	161.9	177.4	193.7
-62.5°	62.2	69.2	76.7	85.1	94.3	103.5	114.1	125.4	137.1	150.3	163.1
-65°	55.6	61.3	67.6	74.6	82.0	89.8	97.9	106.3	116.2	125.9	135.2
-67.5°	48.6	53.5	58.6	64.1	70.3	76.4	82.6	89.6	96.9	104.0	111.4
-70°	40.9	45.4	49.7	54.1	58.8	63.6	68.8	74.0	79.1	84.5	90.4
-72.5°	33.0	37.2	40.9	44.2	48.0	52.0	55.8	59.5	63.4	67.4	71.5
-75°	26.3	29.1	32.4	35.5	38.5	41.3	43.9	47.0	50.2	53.1	55.5
-77.5°	20.5	23.1	25.4	27.4	29.8	32.6	35.1	37.2	39.2	41.5	43.8
-80°	14.9	17.1	19.2	21.0	22.4	24.0	25.9	28.0	29.9	31.4	32.8
-82.5°	9.7	11.2	12.7	14.3	15.0	15.4	15.8	16.5	17.7	18.8	19.9
-85°	4.8	5.2	6.2	7.1	7.5	7.7	7.9	8.0	8.4	8.7	9.1
-87.5°	2.4	2.6	2.8	3.0	2.9	2.8	2.6	2.3	2.3	2.2	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



REPORT NUMBER: P645299 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1A-730-U-LAM-VSR-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°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
62.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
60°	2.6	1.5	0.9	1.0	0.9	0.6	0.8	0.9	0.9	0.9	0.8
57.5°	14.5	10.8	8.0	19.1	19.2	9.1	11.0	17.4	14.3	4.7	4.4
55°	40.3	48.3	63.5	60.3	61.3	70.5	77.0	68.2	66.8	71.2	82.3
52.5°	72.5	80.0	85.2	90.0	95.8	102.1	108.6	112.7	116.5	120.6	123.1
50°	92.6	103.2	110.5	107.8	122.9	129.1	122.8	128.5	135.3	137.2	138.1
47.5°	136.7	152.3	155.4	165.4	174.4	174.3	166.6	167.1	187.4	205.4	214.3
45°	196.5	197.0	206.8	224.5	237.2	233.2	243.9	268.2	276.3	284.2	290.6
42.5°	219.8	229.4	245.0	260.7	270.2	278.4	286.3	295.2	305.7	314.3	321.1
40°	242.3	250.1	266.1	278.7	286.6	294.2	303.4	313.3	322.9	330.4	335.6
37.5°	277.0	283.0	286.9	298.7	313.5	306.6	324.1	336.7	342.4	350.0	350.7
35°	329.5	325.5	320.3	367.0	369.8	354.0	370.3	389.8	379.5	400.9	412.4
32.5°	376.0	375.4	416.2	440.7	426.5	438.1	475.8	474.1	499.3	511.0	507.6
30°	419.8	434.8	458.4	476.6	479.1	497.3	514.0	528.7	543.9	557.5	558.4
27.5°	442.1	461.6	477.6	488.2	500.0	515.3	530.5	547.0	560.0	568.5	570.6
25°	455.6	475.5	487.6	499.0	512.0	525.2	542.2	560.3	570.7	575.9	577.6
22.5°	467.4	485.4	498.4	507.6	521.6	535.8	551.7	567.0	578.2	580.5	581.3
20°	478.9	496.1	517.8	531.4	530.8	546.7	562.1	574.2	583.6	583.5	583.7
17.5°	511.9	518.1	557.5	587.5	572.6	564.8	606.9	607.7	610.2	605.2	594.5
15°	560.9	572.0	620.5	653.0	642.8	642.2	703.0	687.9	700.9	697.5	712.1
12.5°	612.7	625.9	662.2	694.1	709.2	713.0	733.3	752.3	756.2	754.6	751.8
10°	648.0	666.9	681.5	700.8	716.1	731.7	743.5	757.1	761.6	759.1	755.4
7.5°	652.6	671.3	688.4	705.3	719.9	732.5	744.7	755.8	760.4	758.9	756.4
5°	655.6	672.4	689.0	706.2	720.2	731.8	744.0	755.3	758.0	756.1	753.7
2.5°	657.4	673.0	688.9	706.1	718.7	729.9	742.2	754.2	754.2	753.4	751.9
0°	658.2	673.9	692.4	708.0	722.1	732.7	744.8	756.5	755.7	753.5	751.0
-2.5°	660.1	676.0	694.9	707.8	723.7	733.4	746.0	756.1	755.7	754.6	753.4
-5°	661.8	679.6	697.3	710.9	726.9	739.5	752.0	759.9	760.3	758.9	756.8
-7.5°	662.8	682.6	699.4	713.1	728.6	743.2	755.9	764.2	764.4	762.5	760.0
-10°	662.5	683.4	700.7	714.8	730.7	745.2	758.4	768.9	768.6	766.8	764.6
-12.5°	661.2	682.1	699.9	714.0	732.1	747.0	761.9	772.4	772.9	771.5	769.2
-15°	658.5	680.0	697.3	712.8	730.5	747.9	763.2	774.8	776.8	775.7	773.8
-17.5°	653.0	675.8	694.1	710.7	727.8	746.3	763.8	776.4	779.2	778.7	777.2
-20°	645.8	669.4	688.0	705.4	723.9	743.0	763.3	774.9	778.9	779.2	778.2



REPORT NUMBER: P645299 (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°
-22.5°	637.8	660.8	680.7	697.7	717.8	737.1	755.5	769.1	775.9	777.2	777.3
-25°	628.2	651.8	671.6	689.8	708.4	728.4	746.9	762.0	769.0	772.4	773.4
-27.5°	614.6	639.0	658.4	677.7	696.7	717.3	736.8	753.2	758.9	763.5	765.3
-30°	598.7	622.9	642.7	660.2	682.0	703.0	723.1	737.4	746.0	751.2	754.1
-32.5°	580.5	604.8	625.6	643.9	664.6	685.6	704.6	719.7	731.4	737.5	740.5
-35°	560.6	585.5	607.2	626.6	646.0	666.0	685.6	701.5	714.9	720.1	723.9
-37.5°	536.7	564.2	586.4	606.4	624.8	643.7	664.1	682.2	695.2	700.2	704.2
-40°	512.2	538.7	561.1	582.4	600.7	621.3	641.0	659.9	671.2	677.1	681.6
-42.5°	486.3	510.2	531.6	552.2	572.5	593.7	613.4	633.1	642.9	650.0	655.6
-45°	456.4	478.7	499.4	518.7	539.7	560.5	580.2	597.6	609.2	618.4	625.6
-47.5°	416.5	443.7	464.5	482.9	503.7	523.8	542.8	559.2	571.9	582.7	591.0
-50°	376.0	402.1	425.6	446.3	465.5	484.1	502.3	518.3	531.7	543.4	551.8
-52.5°	336.1	360.6	383.9	405.2	423.7	441.3	457.9	474.0	488.2	500.7	508.8
-55°	291.1	316.4	339.4	359.3	377.9	395.2	411.6	426.9	440.9	453.6	461.4
-57.5°	248.8	271.0	292.5	310.8	328.3	344.8	360.4	375.0	388.5	400.5	408.0
-60°	210.0	226.2	244.6	261.6	277.1	291.2	305.7	319.3	331.7	342.2	349.2
-62.5°	175.7	189.1	202.4	215.3	227.8	240.5	252.6	263.9	274.3	282.9	289.1
-65°	145.1	155.9	165.5	174.6	183.3	193.2	202.5	211.2	219.2	225.8	230.5
-67.5°	119.4	127.0	133.7	139.9	146.8	153.8	160.4	166.1	171.1	175.0	178.1
-70°	96.3	101.9	106.9	111.9	116.9	121.5	125.8	130.1	134.1	137.4	139.8
-72.5°	75.4	79.2	82.7	86.5	90.1	93.5	96.6	99.0	100.9	102.8	104.4
-75°	57.5	60.3	64.2	67.5	70.2	72.6	74.7	76.7	78.4	79.9	81.2
-77.5°	46.2	48.7	51.1	53.5	55.9	57.6	59.1	60.7	62.3	63.6	64.8
-80°	34.3	36.1	38.0	39.9	41.8	42.8	43.5	44.2	44.8	45.6	46.4
-82.5°	21.0	22.0	23.1	24.1	25.2	25.5	25.6	25.5	25.4	25.1	24.6
-85°	9.3	9.4	9.4	9.3	9.1	8.7	8.2	7.7	7.1	7.0	6.9
-87.5°	2.0	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.8	1.9
-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: P645299 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.1	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.1	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2
65°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2
62.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
60°	0.6	0.4	0.3	0.3	0.3	0.4	0.6	0.8	0.9	0.9	0.9
57.5°	3.7	2.7	2.3	2.2	2.3	2.7	3.7	4.4	4.7	14.3	17.4
55°	90.2	94.8	98.2	99.8	98.2	94.8	90.2	82.3	71.2	66.8	68.2
52.5°	125.2	127.2	128.4	128.3	128.4	127.2	125.2	123.1	120.6	116.5	112.7
50°	139.6	140.6	140.9	140.7	140.9	140.6	139.6	138.1	137.2	135.3	128.5
47.5°	206.2	188.3	175.2	172.1	175.2	188.3	206.2	214.3	205.4	187.4	167.1
45°	293.7	300.4	307.1	309.2	307.1	300.4	293.7	290.6	284.2	276.3	268.2
42.5°	323.9	326.1	327.3	327.4	327.3	326.1	323.9	321.1	314.3	305.7	295.2
40°	338.4	340.5	341.7	341.8	341.7	340.5	338.4	335.6	330.4	322.9	313.3
37.5°	351.5	353.3	354.4	355.6	354.4	353.3	351.5	350.7	350.0	342.4	336.7
35°	410.8	397.4	378.1	381.0	378.1	397.4	410.8	412.4	400.9	379.5	389.8
32.5°	512.8	518.5	522.0	528.0	522.0	518.5	512.8	507.6	511.0	499.3	474.1
30°	559.9	561.8	564.6	567.6	564.6	561.8	559.9	558.4	557.5	543.9	528.7
27.5°	571.7	573.6	575.3	576.6	575.3	573.6	571.7	570.6	568.5	560.0	547.0
25°	577.8	579.0	580.9	582.4	580.9	579.0	577.8	577.6	575.9	570.7	560.3
22.5°	580.9	581.0	582.4	584.5	582.4	581.0	580.9	581.3	580.5	578.2	567.0
20°	583.0	581.8	583.3	584.6	583.3	581.8	583.0	583.7	583.5	583.6	574.2
17.5°	609.7	594.4	588.2	588.3	588.2	594.4	609.7	594.5	605.2	610.2	607.7
15°	695.7	701.4	723.3	735.2	723.3	701.4	695.7	712.1	697.5	700.9	687.9
12.5°	751.3	749.2	746.7	750.2	746.7	749.2	751.3	751.8	754.6	756.2	752.3
10°	753.8	753.6	748.9	754.0	748.9	753.6	753.8	755.4	759.1	761.6	757.1
7.5°	752.3	752.4	750.4	755.3	750.4	752.4	752.3	756.4	758.9	760.4	755.8
5°	753.3	749.9	751.2	754.0	751.2	749.9	753.3	753.7	756.1	758.0	755.3
2.5°	750.4	750.1	747.5	749.5	747.5	750.1	750.4	751.9	753.4	754.2	754.2
0°	748.2	746.3	746.3	748.0	746.3	746.3	748.2	751.0	753.5	755.7	756.5
-2.5°	752.1	751.7	751.5	750.3	751.5	751.7	752.1	753.4	754.6	755.7	756.1
-5°	755.4	754.3	751.6	755.3	751.6	754.3	755.4	756.8	758.9	760.3	759.9
-7.5°	758.8	756.3	753.7	759.5	753.7	756.3	758.8	760.0	762.5	764.4	764.2
-10°	762.1	758.4	755.8	761.5	755.8	758.4	762.1	764.6	766.8	768.6	768.9
-12.5°	766.3	761.9	760.3	763.4	760.3	761.9	766.3	769.2	771.5	772.9	772.4
-15°	770.8	767.8	767.4	769.2	767.4	767.8	770.8	773.8	775.7	776.8	774.8
-17.5°	774.7	772.6	773.6	775.7	773.6	772.6	774.7	777.2	778.7	779.2	776.4
-20°	776.6	775.4	776.6	781.7	776.6	775.4	776.6	778.2	779.2	778.9	774.9



REPORT NUMBER: P645299 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1A-730-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°	776.4	776.5	778.5	780.2	778.5	776.5	776.4	777.3	777.2	775.9	769.1
-25°	773.4	775.0	777.4	780.7	777.4	775.0	773.4	773.4	772.4	769.0	762.0
-27.5°	766.3	768.9	771.4	774.9	771.4	768.9	766.3	765.3	763.5	758.9	753.2
-30°	756.0	759.1	761.3	765.0	761.3	759.1	756.0	754.1	751.2	746.0	737.4
-32.5°	743.4	746.9	749.4	752.2	749.4	746.9	743.4	740.5	737.5	731.4	719.7
-35°	727.7	731.5	734.2	736.7	734.2	731.5	727.7	723.9	720.1	714.9	701.5
-37.5°	708.8	712.8	716.0	718.8	716.0	712.8	708.8	704.2	700.2	695.2	682.2
-40°	686.8	691.0	694.3	697.4	694.3	691.0	686.8	681.6	677.1	671.2	659.9
-42.5°	661.1	665.3	668.8	671.9	668.8	665.3	661.1	655.6	650.0	642.9	633.1
-45°	631.4	635.7	639.3	642.7	639.3	635.7	631.4	625.6	618.4	609.2	597.6
-47.5°	597.2	601.8	604.9	606.5	604.9	601.8	597.2	591.0	582.7	571.9	559.2
-50°	558.0	562.6	566.3	569.1	566.3	562.6	558.0	551.8	543.4	531.7	518.3
-52.5°	514.8	519.2	522.4	524.4	522.4	519.2	514.8	508.8	500.7	488.2	474.0
-55°	467.5	472.1	475.2	476.6	475.2	472.1	467.5	461.4	453.6	440.9	426.9
-57.5°	413.9	418.3	421.6	423.4	421.6	418.3	413.9	408.0	400.5	388.5	375.0
-60°	354.7	358.6	361.1	362.0	361.1	358.6	354.7	349.2	342.2	331.7	319.3
-62.5°	294.0	297.7	300.0	300.9	300.0	297.7	294.0	289.1	282.9	274.3	263.9
-65°	234.0	236.4	237.6	237.8	237.6	236.4	234.0	230.5	225.8	219.2	211.2
-67.5°	180.5	182.3	183.3	183.7	183.3	182.3	180.5	178.1	175.0	171.1	166.1
-70°	141.6	142.9	143.6	143.7	143.6	142.9	141.6	139.8	137.4	134.1	130.1
-72.5°	105.6	106.5	106.2	105.5	106.2	106.5	105.6	104.4	102.8	100.9	99.0
-75°	82.4	83.4	83.0	82.3	83.0	83.4	82.4	81.2	79.9	78.4	76.7
-77.5°	65.8	66.7	66.3	65.6	66.3	66.7	65.8	64.8	63.6	62.3	60.7
-80°	47.0	47.5	47.9	48.1	47.9	47.5	47.0	46.4	45.6	44.8	44.2
-82.5°	24.0	23.3	22.9	22.4	22.9	23.3	24.0	24.6	25.1	25.4	25.5
-85°	6.8	6.7	6.7	6.8	6.7	6.7	6.8	6.9	7.0	7.1	7.7
-87.5°	1.9	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.8	1.7	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: P645299 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
62.5°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6
60°	0.8	0.6	0.9	1.0	0.9	1.5	2.6	2.4	0.7	3.8	4.4
57.5°	11.0	9.1	19.2	19.1	8.0	10.8	14.5	9.5	6.2	10.7	14.2
55°	77.0	70.5	61.3	60.3	63.5	48.3	40.3	38.8	30.4	19.7	23.5
52.5°	108.6	102.1	95.8	90.0	85.2	80.0	72.5	64.3	61.7	49.7	38.3
50°	122.8	129.1	122.9	107.8	110.5	103.2	92.6	83.9	85.7	78.3	63.1
47.5°	166.6	174.3	174.4	165.4	155.4	152.3	136.7	109.6	111.4	111.1	95.0
45°	243.9	233.2	237.2	224.5	206.8	197.0	196.5	167.5	140.7	136.3	134.7
42.5°	286.3	278.4	270.2	260.7	245.0	229.4	219.8	203.5	181.9	162.8	156.0
40°	303.4	294.2	286.6	278.7	266.1	250.1	242.3	220.9	204.7	188.2	182.7
37.5°	324.1	306.6	313.5	298.7	286.9	283.0	277.0	254.7	218.8	215.8	213.0
35°	370.3	354.0	369.8	367.0	320.3	325.5	329.5	302.1	264.5	244.1	244.5
32.5°	475.8	438.1	426.5	440.7	416.2	375.4	376.0	367.7	316.3	286.7	273.7
30°	514.0	497.3	479.1	476.6	458.4	434.8	419.8	399.8	362.5	328.6	306.3
27.5°	530.5	515.3	500.0	488.2	477.6	461.6	442.1	418.6	392.0	361.6	340.0
25°	542.2	525.2	512.0	499.0	487.6	475.5	455.6	432.6	407.8	383.4	360.2
22.5°	551.7	535.8	521.6	507.6	498.4	485.4	467.4	443.8	427.1	411.6	381.4
20°	562.1	546.7	530.8	531.4	517.8	496.1	478.9	467.1	464.8	447.3	408.3
17.5°	606.9	564.8	572.6	587.5	557.5	518.1	511.9	512.6	505.3	489.1	440.6
15°	703.0	642.2	642.8	653.0	620.5	572.0	560.9	559.5	548.1	530.1	474.7
12.5°	733.3	713.0	709.2	694.1	662.2	625.9	612.7	605.5	584.6	549.8	499.2
10°	743.5	731.7	716.1	700.8	681.5	666.9	648.0	621.9	592.2	558.7	517.5
7.5°	744.7	732.5	719.9	705.3	688.4	671.3	652.6	626.7	598.0	565.0	530.4
5°	744.0	731.8	720.2	706.2	689.0	672.4	655.6	629.9	601.8	569.2	538.8
2.5°	742.2	729.9	718.7	706.1	688.9	673.0	657.4	633.4	604.6	572.6	541.6
0°	744.8	732.7	722.1	708.0	692.4	673.9	658.2	636.9	606.0	574.9	542.7
-2.5°	746.0	733.4	723.7	707.8	694.9	676.0	660.1	639.5	608.5	579.0	545.3
-5°	752.0	739.5	726.9	710.9	697.3	679.6	661.8	640.5	610.4	581.2	546.5
-7.5°	755.9	743.2	728.6	713.1	699.4	682.6	662.8	640.6	612.1	581.1	547.0
-10°	758.4	745.2	730.7	714.8	700.7	683.4	662.5	640.1	611.8	579.8	545.8
-12.5°	761.9	747.0	732.1	714.0	699.9	682.1	661.2	638.8	609.2	577.2	542.7
-15°	763.2	747.9	730.5	712.8	697.3	680.0	658.5	635.0	604.6	573.3	537.6
-17.5°	763.8	746.3	727.8	710.7	694.1	675.8	653.0	628.1	598.7	566.4	530.8
-20°	763.3	743.0	723.9	705.4	688.0	669.4	645.8	621.2	590.3	557.5	522.1





REPORT NUMBER: P645299 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	755.5	737.1	717.8	697.7	680.7	660.8	637.8	612.3	579.4	547.6	511.0
-25°	746.9	728.4	708.4	689.8	671.6	651.8	628.2	599.3	568.0	534.9	497.5
-27.5°	736.8	717.3	696.7	677.7	658.4	639.0	614.6	585.5	555.4	519.2	482.9
-30°	723.1	703.0	682.0	660.2	642.7	622.9	598.7	570.4	538.1	502.4	467.9
-32.5°	704.6	685.6	664.6	643.9	625.6	604.8	580.5	552.3	518.4	484.6	448.7
-35°	685.6	666.0	646.0	626.6	607.2	585.5	560.6	530.0	497.6	464.1	426.9
-37.5°	664.1	643.7	624.8	606.4	586.4	564.2	536.7	507.1	475.5	438.7	403.2
-40°	641.0	621.3	600.7	582.4	561.1	538.7	512.2	483.4	448.7	412.3	379.0
-42.5°	613.4	593.7	572.5	552.2	531.6	510.2	486.3	455.1	420.7	386.4	351.8
-45°	580.2	560.5	539.7	518.7	499.4	478.7	456.4	423.2	389.2	356.5	323.2
-47.5°	542.8	523.8	503.7	482.9	464.5	443.7	416.5	385.6	355.5	324.4	290.4
-50°	502.3	484.1	465.5	446.3	425.6	402.1	376.0	349.1	319.3	287.4	256.3
-52.5°	457.9	441.3	423.7	405.2	383.9	360.6	336.1	307.6	277.9	250.8	222.4
-55°	411.6	395.2	377.9	359.3	339.4	316.4	291.1	265.1	240.8	215.8	194.2
-57.5°	360.4	344.8	328.3	310.8	292.5	271.0	248.8	226.8	207.5	188.1	168.5
-60°	305.7	291.2	277.1	261.6	244.6	226.2	210.0	193.7	177.4	161.9	146.1
-62.5°	252.6	240.5	227.8	215.3	202.4	189.1	175.7	163.1	150.3	137.1	125.4
-65°	202.5	193.2	183.3	174.6	165.5	155.9	145.1	135.2	125.9	116.2	106.3
-67.5°	160.4	153.8	146.8	139.9	133.7	127.0	119.4	111.4	104.0	96.9	89.6
-70°	125.8	121.5	116.9	111.9	106.9	101.9	96.3	90.4	84.5	79.1	74.0
-72.5°	96.6	93.5	90.1	86.5	82.7	79.2	75.4	71.5	67.4	63.4	59.5
-75°	74.7	72.6	70.2	67.5	64.2	60.3	57.5	55.5	53.1	50.2	47.0
-77.5°	59.1	57.6	55.9	53.5	51.1	48.7	46.2	43.8	41.5	39.2	37.2
-80°	43.5	42.8	41.8	39.9	38.0	36.1	34.3	32.8	31.4	29.9	28.0
-82.5°	25.6	25.5	25.2	24.1	23.1	22.0	21.0	19.9	18.8	17.7	16.5
-85°	8.2	8.7	9.1	9.3	9.4	9.4	9.3	9.1	8.7	8.4	8.0
-87.5°	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.2	2.3	2.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
70°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.3
67.5°	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3
65°	0.3	0.3	0.3	0.5	0.4	0.3	0.3	0.6	0.5	0.4	0.3
62.5°	0.5	0.3	1.0	1.4	0.8	0.6	0.5	1.4	0.9	0.6	0.4
60°	1.3	1.1	2.9	4.7	3.3	1.1	1.6	2.5	2.3	0.8	0.6
57.5°	12.2	4.2	6.1	8.8	8.7	4.7	3.4	4.6	3.9	2.3	0.9
55°	26.1	22.0	14.5	13.3	14.4	11.6	7.5	7.4	6.1	4.2	1.4
52.5°	35.8	37.4	32.6	22.7	19.8	18.9	14.7	10.7	9.5	6.3	3.7
50°	51.9	48.3	47.8	40.2	27.8	25.1	21.8	16.8	13.4	9.0	6.2
47.5°	73.3	64.4	59.7	56.2	44.3	32.0	28.5	22.9	17.6	13.0	8.8
45°	104.7	83.2	74.1	68.5	60.7	45.1	35.7	28.9	23.0	17.5	11.6
42.5°	136.3	107.6	90.5	81.5	73.4	59.8	43.4	35.8	28.1	22.0	15.1
40°	164.2	132.7	107.8	96.2	85.9	74.0	55.8	43.2	33.2	26.7	19.1
37.5°	197.8	161.4	127.8	111.6	99.2	85.8	68.4	50.9	39.4	31.6	23.1
35°	230.2	198.4	150.1	130.3	114.0	98.0	80.6	60.0	46.9	36.6	27.1
32.5°	265.1	233.3	183.8	151.1	129.3	110.4	91.9	71.1	54.5	41.6	31.0
30°	292.5	256.2	213.3	172.0	146.0	124.3	103.3	81.8	62.1	46.7	35.1
27.5°	307.1	276.0	236.6	195.2	164.8	138.6	114.9	92.0	69.7	52.3	39.3
25°	322.2	290.0	253.2	215.5	183.4	153.6	126.6	101.7	78.0	58.6	43.4
22.5°	340.2	301.9	267.3	231.6	202.5	168.9	138.8	111.5	86.3	64.8	47.5
20°	358.2	313.0	281.1	253.5	221.2	185.4	151.5	121.1	94.1	70.8	51.5
17.5°	377.2	333.1	304.7	274.9	239.9	201.4	164.1	130.3	101.4	76.6	55.4
15°	410.2	363.1	328.4	295.7	258.5	216.8	176.3	139.3	108.3	82.3	59.0
12.5°	440.2	391.0	352.2	315.8	276.8	231.5	188.2	147.7	114.6	86.7	62.2
10°	465.0	416.9	375.6	335.1	294.6	245.3	199.5	154.6	118.4	90.0	65.1
7.5°	485.3	440.9	398.5	353.4	309.8	254.4	205.2	158.7	121.3	92.9	67.8
5°	500.0	456.8	410.7	359.8	314.6	258.1	209.0	162.0	123.7	95.2	70.3
2.5°	504.2	461.8	415.2	363.3	317.8	260.5	211.8	164.5	125.5	97.1	72.4
0°	506.7	465.0	418.1	365.5	319.4	261.7	213.5	166.2	126.8	98.6	74.3
-2.5°	510.1	467.8	420.8	371.0	320.5	265.2	214.4	167.3	128.4	99.1	75.4
-5°	511.8	468.8	422.1	374.7	320.2	267.3	214.3	167.7	129.5	99.3	76.2
-7.5°	511.1	468.4	422.2	375.9	318.8	267.7	213.1	167.3	129.9	99.2	76.7
-10°	508.7	466.5	420.6	372.9	317.5	265.8	211.0	166.2	129.7	98.8	76.9
-12.5°	505.2	463.0	417.3	368.5	314.7	261.9	208.6	164.4	128.6	98.1	76.7
-15°	500.7	457.8	412.3	363.0	310.1	256.8	204.9	161.8	126.6	97.3	76.3
-17.5°	494.9	451.1	405.5	356.5	303.7	250.3	200.0	158.3	124.1	96.4	75.3
-20°	484.5	442.1	396.9	349.0	295.3	242.7	193.8	154.1	121.0	95.0	74.0



REPORT NUMBER: P645299 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1A-730-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°	472.8	430.9	386.2	339.0	285.3	234.0	186.3	149.1	117.5	93.3	72.5
-25°	460.3	418.3	373.8	325.1	274.2	224.7	178.8	143.2	113.6	91.1	70.6
-27.5°	445.7	404.0	359.8	309.8	261.3	214.0	171.5	138.0	109.7	88.5	68.5
-30°	429.2	387.2	342.2	293.5	247.1	201.6	163.4	132.5	106.5	85.7	66.2
-32.5°	410.3	368.7	322.7	276.8	232.1	188.4	154.5	126.6	102.8	82.7	64.1
-35°	388.8	347.2	302.1	258.8	216.3	177.7	145.8	120.3	98.6	79.5	61.8
-37.5°	366.4	324.1	281.4	240.1	199.5	166.2	137.9	114.1	93.8	76.0	59.3
-40°	340.8	300.3	259.7	220.8	184.9	153.8	129.4	108.0	89.4	72.3	56.6
-42.5°	314.5	275.4	237.1	200.4	170.5	143.7	120.5	101.4	84.7	68.7	53.6
-45°	286.1	249.1	213.1	183.2	155.8	133.0	112.7	94.6	79.6	65.1	50.6
-47.5°	256.1	221.3	191.2	165.2	143.4	122.3	104.4	88.7	74.4	61.2	47.5
-50°	224.4	195.5	171.1	149.6	129.9	112.7	96.2	82.5	69.5	56.9	44.3
-52.5°	196.3	173.1	152.9	134.5	118.1	102.5	89.1	76.2	64.5	52.7	41.0
-55°	172.2	153.2	136.1	120.8	106.4	93.8	81.7	70.6	59.4	48.6	37.6
-57.5°	151.4	134.7	121.1	107.8	95.9	85.2	74.9	64.8	54.5	44.3	34.9
-60°	131.4	118.9	106.8	96.2	86.1	76.9	68.6	59.1	49.6	40.0	31.9
-62.5°	114.1	103.5	94.3	85.1	76.7	69.2	62.2	53.4	44.5	36.0	28.6
-65°	97.9	89.8	82.0	74.6	67.6	61.3	55.6	47.6	39.3	31.8	25.3
-67.5°	82.6	76.4	70.3	64.1	58.6	53.5	48.6	41.4	34.0	27.4	21.9
-70°	68.8	63.6	58.8	54.1	49.7	45.4	40.9	34.8	28.4	23.4	18.5
-72.5°	55.8	52.0	48.0	44.2	40.9	37.2	33.0	28.3	23.8	19.3	15.0
-75°	43.9	41.3	38.5	35.5	32.4	29.1	26.3	23.0	19.1	15.2	12.1
-77.5°	35.1	32.6	29.8	27.4	25.4	23.1	20.5	17.6	14.5	11.8	9.3
-80°	25.9	24.0	22.4	21.0	19.2	17.1	14.9	12.8	10.6	8.5	6.5
-82.5°	15.8	15.4	15.0	14.3	12.7	11.2	9.7	8.2	6.6	5.1	4.2
-85°	7.9	7.7	7.5	7.1	6.2	5.2	4.8	4.4	3.8	3.3	2.8
-87.5°	2.6	2.8	2.9	3.0	2.8	2.6	2.4	2.2	1.9	1.7	1.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645299 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1A-730-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	0.0	0.0	0.0	0.0
85°	0.2	0.1	0.1	0.1	0.1	0.0	0.0
82.5°	0.2	0.2	0.2	0.1	0.1	0.1	0.0
80°	0.3	0.3	0.2	0.2	0.1	0.1	0.0
77.5°	0.3	0.3	0.3	0.2	0.1	0.1	0.0
75°	0.3	0.3	0.3	0.2	0.2	0.1	0.0
72.5°	0.3	0.3	0.3	0.3	0.2	0.1	0.0
70°	0.3	0.3	0.3	0.3	0.2	0.1	0.0
67.5°	0.4	0.4	0.4	0.3	0.2	0.2	0.0
65°	0.4	0.4	0.4	0.3	0.3	0.2	0.0
62.5°	0.5	0.5	0.4	0.4	0.3	0.2	0.0
60°	0.6	0.6	0.4	0.4	0.3	0.2	0.0
57.5°	1.1	0.8	0.6	0.4	0.3	0.2	0.0
55°	1.8	0.9	0.7	0.4	0.4	0.2	0.0
52.5°	2.6	1.2	0.8	0.4	0.4	0.3	0.0
50°	3.5	2.0	1.0	0.5	0.4	0.3	0.0
47.5°	4.7	3.0	1.1	0.5	0.4	0.3	0.0
45°	7.1	4.0	1.3	0.6	0.5	0.3	0.0
42.5°	9.6	5.0	1.5	0.8	0.5	0.3	0.0
40°	12.1	6.1	2.0	0.9	0.5	0.3	0.0
37.5°	14.7	7.3	2.9	1.1	0.5	0.3	0.0
35°	17.3	9.1	3.7	1.3	0.5	0.4	0.0
32.5°	20.1	11.1	4.6	1.6	0.6	0.4	0.0
30°	23.3	13.2	5.6	1.8	0.6	0.4	0.0
27.5°	26.5	15.2	6.7	2.1	0.6	0.4	0.0
25°	29.6	17.2	7.8	2.4	0.6	0.4	0.0
22.5°	32.6	19.2	9.0	2.7	0.6	0.4	0.0
20°	35.5	21.4	10.1	3.1	0.7	0.4	0.0
17.5°	38.4	23.5	11.2	3.4	0.7	0.4	0.0
15°	41.2	25.5	12.3	3.7	0.7	0.5	0.0
12.5°	43.7	27.4	13.3	4.0	0.7	0.5	0.0
10°	46.1	29.2	14.3	4.4	0.7	0.5	0.0
7.5°	48.3	30.9	15.3	4.7	0.8	0.5	0.0
5°	50.3	32.5	16.2	5.0	0.8	0.5	0.0
2.5°	52.1	33.9	17.0	5.2	0.8	0.5	0.0
0°	53.7	35.2	17.7	5.5	0.8	0.5	0.0
-2.5°	54.5	36.0	18.4	5.9	0.9	0.5	0.0
-5°	55.1	36.6	18.9	6.2	1.1	0.6	0.0
-7.5°	55.4	37.1	19.4	6.5	1.2	0.6	0.0
-10°	55.6	37.4	19.8	6.7	1.3	0.6	0.0
-12.5°	55.6	37.5	20.0	7.0	1.4	0.6	0.0
-15°	55.4	37.4	20.1	7.1	1.5	0.6	0.0
-17.5°	55.0	37.2	20.1	7.3	1.6	0.7	0.0
-20°	54.3	36.8	20.0	7.3	1.7	0.7	0.0

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CATALOG NUMBER: GFLD-SA1A-730-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	53.4	36.3	19.7	7.4	1.8	0.7	0.0
-25°	52.3	35.4	19.3	7.3	1.9	0.7	0.0
-27.5°	51.0	34.3	18.7	7.2	1.9	0.7	0.0
-30°	49.4	33.1	18.0	7.1	2.0	0.7	0.0
-32.5°	47.7	31.7	17.2	6.9	2.0	0.7	0.0
-35°	45.8	30.2	16.3	6.6	2.1	0.7	0.0
-37.5°	43.8	28.7	15.3	6.3	2.1	0.7	0.0
-40°	41.6	27.3	14.2	5.9	2.1	0.7	0.0
-42.5°	39.3	25.8	13.4	5.4	2.1	0.7	0.0
-45°	36.8	24.2	12.8	5.0	2.0	0.7	0.0
-47.5°	34.2	22.5	12.1	4.5	2.0	0.7	0.0
-50°	32.0	20.8	11.3	4.3	2.0	0.6	0.0
-52.5°	29.8	18.9	10.5	4.3	1.9	0.6	0.0
-55°	27.5	17.5	9.5	4.1	1.8	0.6	0.0
-57.5°	25.2	16.1	8.4	3.9	1.7	0.6	0.0
-60°	22.8	14.5	7.3	3.7	1.6	0.5	0.0
-62.5°	20.6	12.8	6.8	3.5	1.5	0.5	0.0
-65°	18.2	11.0	6.2	3.2	1.4	0.5	0.0
-67.5°	15.7	9.5	5.6	2.8	1.3	0.4	0.0
-70°	13.0	8.3	4.8	2.4	1.2	0.4	0.0
-72.5°	11.0	7.1	4.0	2.1	1.0	0.3	0.0
-75°	9.0	5.7	3.2	1.9	0.9	0.3	0.0
-77.5°	6.9	4.3	2.7	1.6	0.8	0.2	0.0
-80°	4.7	3.3	2.1	1.3	0.6	0.2	0.0
-82.5°	3.5	2.5	1.6	1.0	0.5	0.1	0.0
-85°	2.3	1.6	1.1	0.6	0.3	0.1	0.0
-87.5°	1.2	0.8	0.5	0.3	0.2	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)