

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



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

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P627770 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-740-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627770 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA5E-740-U-VWR-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (80) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

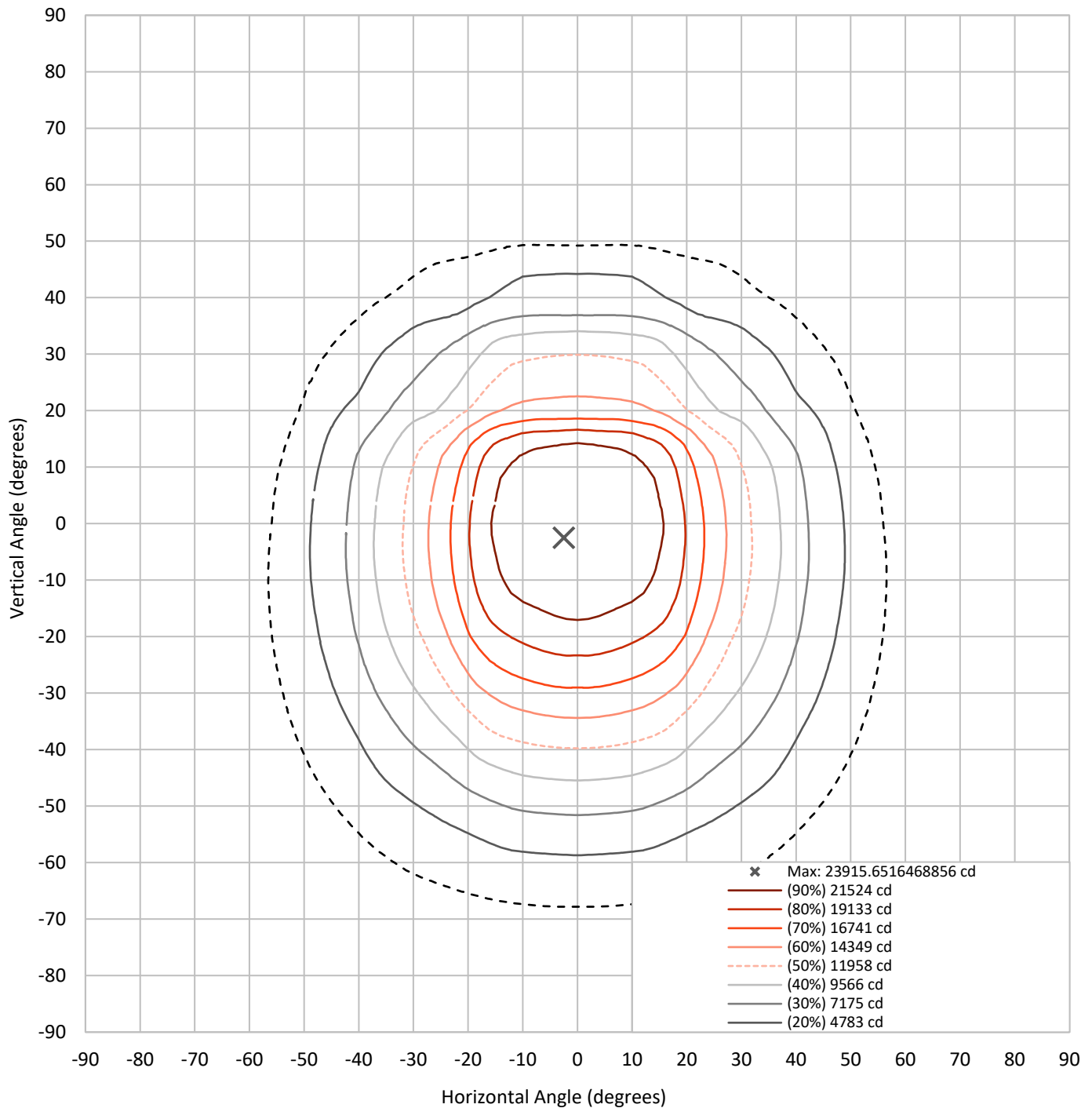
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	31916.2 lumens	Max Intensity:	23915.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	101.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	18465.7 lumens	Field Lumens:	30286.4 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	313.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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### Iso-Candela Plot





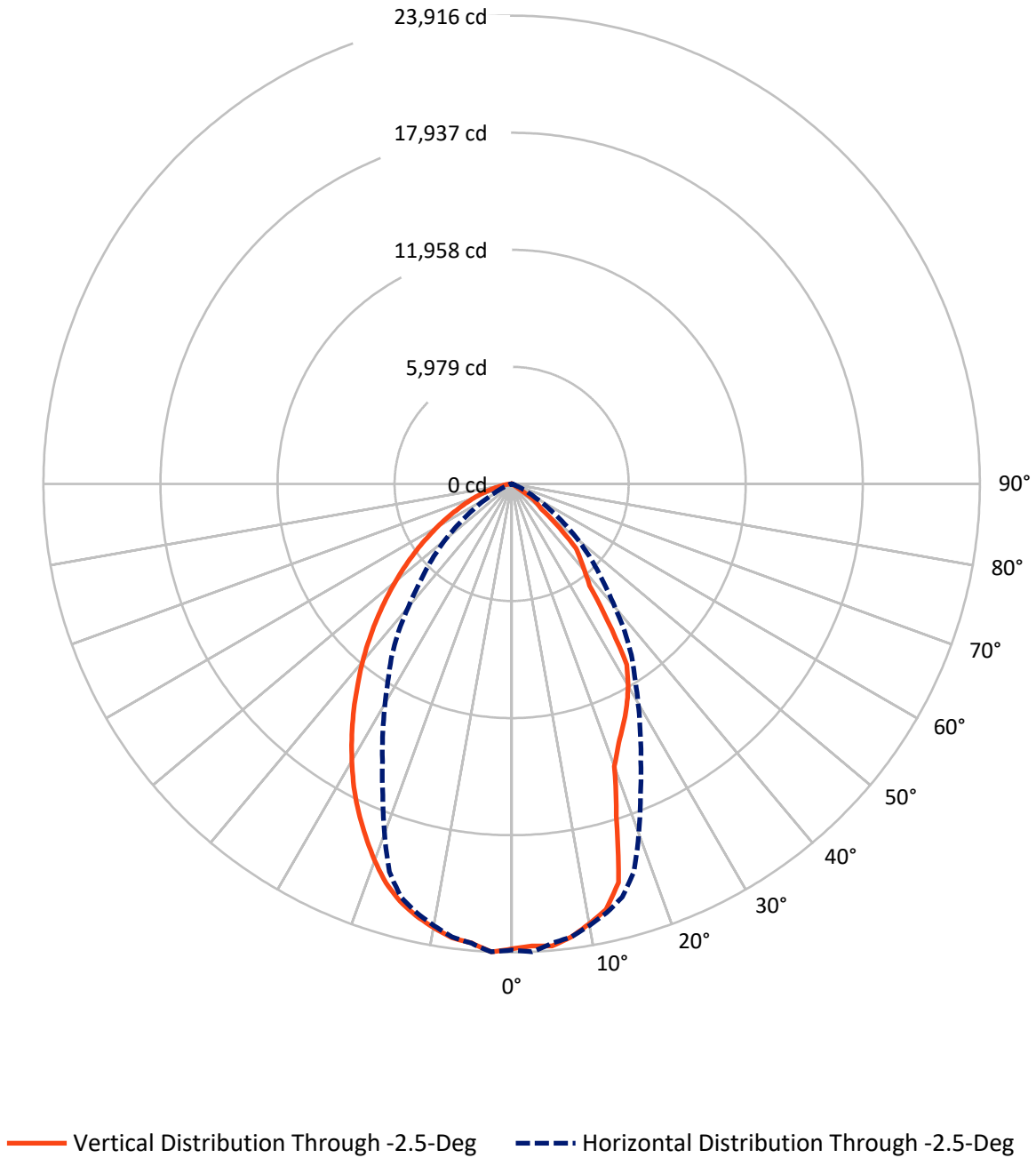
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### Lumen Table

90																			
80	0.1	0.2		0.2		0.3		0.4		0.3		0.2		0.2		0.1			
70																			
60	0.2	0.1	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.1	0.2			
50		0.3	0.6	3.0	8.7	16.8	24.9	31.0	31.0	24.9	16.8	8.7	3.0	0.6	0.3				
40	0.5	0.6	3.5	16.4	39.6	71.3	105.2	128.8	128.8	105.2	71.3	39.6	16.4	3.5	0.6	0.5			
30		1.5	11.8	41.5	92.5	150.0	224.8	262.9	262.9	224.8	150.0	92.5	41.5	11.8	1.5				
20	1.0	3.5	23.0	73.4	149.0	236.3	354.5	407.4	407.4	354.5	236.3	149.0	73.4	23.0	3.5	1.0			
10		6.1	35.3	108.7	214.7	353.4	526.1	603.3	603.3	526.1	353.4	214.7	108.7	35.3	6.1				
0	1.6	8.3	45.7	129.1	256.8	422.3	621.2	704.9	704.9	621.2	422.3	256.8	129.1	45.7	8.3	1.6			
-10		9.8	50.4	134.1	263.7	431.9	625.8	707.6	707.6	625.8	431.9	263.7	134.1	50.4	9.8				
-20	2.0	10.3	49.3	126.9	248.6	404.4	580.8	656.2	656.2	580.8	404.4	248.6	126.9	49.3	10.3	2.0			
-30		9.3	43.2	110.7	214.8	343.8	486.9	551.4	551.4	486.9	343.8	214.8	110.7	43.2	9.3				
-40	2.0	7.8	34.4	87.0	169.0	265.2	371.8	421.0	421.0	371.8	265.2	169.0	87.0	34.4	7.8	2.0			
-50		6.3	25.4	62.1	121.0	186.5	257.4	292.1	292.1	257.4	186.5	121.0	62.1	25.4	6.3				
-60	1.5	4.7	16.6	39.9	75.2	115.8	157.3	179.4	179.4	157.3	115.8	75.2	39.9	16.6	4.7	1.5			
-70		3.3	10.1	23.3	41.3	61.4	81.3	92.1	92.1	81.3	61.4	41.3	23.3	10.1	3.3				
-80	0.6	7.5		34.4		75.0		83.8		75.0		34.4		7.5		0.6			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

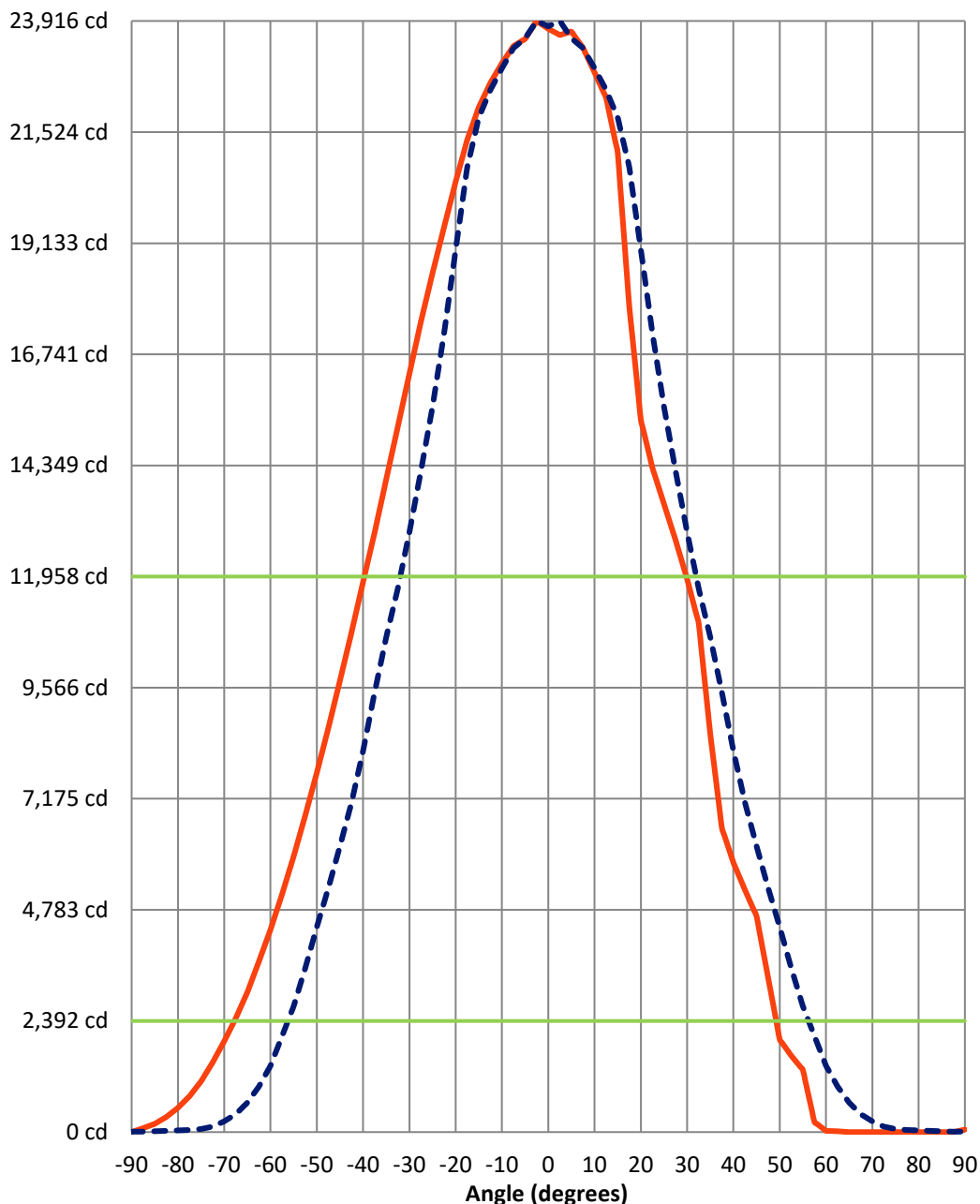
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 18465.7  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 30286.4  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 1629.8  
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg  
 - - Horizontal Distribution through -2.5-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°	8.9	8.9	8.9	11.1	13.4	15.7	17.9	20.1	22.4	24.6	26.8
87.5°	8.9	8.9	8.9	8.6	8.1	7.5	6.6	4.7	2.9	1.4	0.0
85°	8.9	8.9	8.9	8.3	7.4	6.0	4.3	2.7	1.4	0.5	0.0
82.5°	8.9	8.9	8.9	8.1	6.6	4.6	2.1	0.7	0.2	1.3	2.4
80°	8.9	8.9	8.9	7.8	5.9	3.3	0.5	1.8	3.2	4.7	6.1
77.5°	8.9	8.9	8.9	7.6	5.2	3.0	2.7	4.4	6.2	8.0	8.1
75°	8.9	8.9	8.9	7.4	4.9	4.4	5.0	7.0	8.8	7.2	4.7
72.5°	8.9	8.9	8.9	7.2	5.7	5.8	7.1	8.8	7.6	5.1	1.5
70°	8.9	8.9	8.9	7.1	6.4	7.1	8.9	8.4	6.5	3.4	4.1
67.5°	8.9	8.9	8.9	7.4	7.1	8.3	9.2	8.2	5.8	6.9	8.0
65°	8.9	8.9	8.9	7.7	7.8	9.2	9.5	8.1	8.9	10.4	11.0
62.5°	8.9	8.9	8.9	8.0	8.3	9.9	10.0	10.1	12.0	13.5	12.3
60°	8.9	8.9	8.9	8.2	8.9	10.7	10.6	12.8	15.1	15.6	14.0
57.5°	8.9	8.9	9.0	8.4	9.7	11.6	12.7	15.5	17.7	17.9	17.5
55°	8.9	8.9	9.1	8.6	10.6	12.5	15.0	18.1	20.4	20.7	21.7
52.5°	8.9	8.9	9.3	8.7	11.6	13.7	17.2	20.7	23.3	24.6	25.9
50°	8.9	8.9	9.5	8.8	12.6	15.5	19.4	23.2	26.5	28.4	30.1
47.5°	8.9	8.9	9.7	9.1	13.6	17.3	21.6	25.7	29.8	32.1	34.3
45°	8.9	8.9	10.0	9.9	14.7	19.0	23.6	28.2	32.9	35.8	38.4
42.5°	8.9	8.9	10.3	10.8	15.9	20.7	25.7	30.9	36.2	39.5	46.6
40°	8.9	8.9	10.6	11.9	17.1	22.4	27.7	33.9	39.8	43.2	55.7
37.5°	8.9	8.9	11.0	13.0	18.4	24.0	29.6	37.1	43.5	49.1	64.9
35°	8.9	8.9	11.3	14.2	19.6	25.6	31.4	40.3	47.4	60.4	82.5
32.5°	8.9	8.9	11.8	15.4	20.8	27.0	33.5	43.6	51.5	73.6	117.8
30°	8.9	8.9	12.2	16.5	22.0	28.5	36.2	47.1	55.7	88.6	152.1
27.5°	8.9	8.9	12.6	17.6	23.4	29.9	38.8	50.5	63.1	105.3	185.3
25°	8.9	8.9	13.1	18.6	24.7	31.2	41.5	54.0	76.1	129.8	217.9
22.5°	8.9	8.9	13.6	19.6	26.1	32.5	44.1	57.5	89.7	156.6	260.8
20°	8.9	8.9	14.1	20.6	27.4	34.2	46.6	61.0	103.8	182.1	303.5
17.5°	8.9	8.9	14.6	21.5	28.6	35.7	49.2	64.5	118.2	206.2	345.5
15°	8.9	8.9	15.1	22.4	29.8	37.2	51.7	69.0	132.6	228.7	386.2
12.5°	8.9	8.9	15.6	23.3	31.0	38.6	54.0	75.2	148.7	249.5	425.3
10°	8.9	8.9	16.1	24.1	32.0	40.0	56.1	81.7	165.8	273.9	464.5
7.5°	8.9	8.9	16.6	24.8	33.0	41.3	58.0	88.3	182.0	297.4	505.7
5°	8.9	8.9	17.1	25.5	34.0	42.5	59.7	94.9	197.1	319.3	543.6
2.5°	8.9	8.9	17.5	26.2	34.9	43.6	61.2	101.2	210.9	339.3	577.6
0°	8.9	8.9	17.9	26.8	35.7	44.6	62.5	107.1	223.2	357.1	607.1
-2.5°	8.9	8.9	17.9	26.8	36.4	45.6	66.0	118.0	232.1	385.3	633.7
-5°	8.9	8.9	17.8	26.7	37.1	46.4	69.1	128.0	239.2	410.0	655.5
-7.5°	8.9	8.9	17.7	26.6	37.7	47.2	71.9	136.7	244.8	430.1	672.5
-10°	8.9	8.9	17.6	26.4	38.1	47.9	74.2	143.9	248.9	444.7	685.0
-12.5°	8.9	8.9	17.5	26.2	38.4	48.5	76.0	149.3	251.7	452.4	694.7
-15°	8.9	8.9	17.3	25.9	38.5	49.0	77.1	152.6	257.0	451.6	698.3
-17.5°	8.9	8.9	17.1	25.6	38.4	49.4	77.5	155.9	264.7	447.0	693.9
-20°	8.9	8.9	16.8	25.2	38.2	49.7	79.5	159.1	269.7	438.8	681.1

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CATALOG NUMBER: GFLD-SA5E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.9	8.9	16.5	24.8	37.7	49.9	84.6	160.5	271.9	427.1	659.5
-25°	8.9	8.9	16.2	24.3	37.1	53.1	88.7	160.0	271.1	411.9	628.6
-27.5°	8.9	8.9	15.9	23.8	36.2	57.3	92.0	157.5	267.2	399.0	606.1
-30°	8.9	8.9	15.5	23.2	35.3	60.8	94.2	153.1	262.2	393.2	580.7
-32.5°	8.9	8.9	15.1	22.6	36.6	63.8	95.4	153.4	255.9	383.4	552.0
-35°	8.9	8.9	14.6	22.0	37.5	66.1	98.0	154.2	247.0	369.6	520.2
-37.5°	8.9	8.9	14.2	21.3	38.2	67.6	100.6	153.7	235.5	351.7	506.0
-40°	8.9	8.9	13.7	20.5	38.4	68.1	102.2	151.6	221.6	334.5	490.1
-42.5°	8.9	8.9	13.2	20.1	38.7	68.1	102.7	148.1	213.7	320.6	465.9
-45°	8.9	8.9	12.6	20.2	38.9	67.6	102.2	145.0	207.9	303.5	435.3
-47.5°	8.9	8.9	12.1	20.1	38.6	66.6	100.6	142.9	200.5	283.0	411.2
-50°	8.9	8.9	11.5	19.8	37.9	65.1	98.5	139.4	194.6	275.7	382.6
-52.5°	8.9	8.9	10.8	19.4	36.8	63.1	95.8	134.4	189.6	266.0	351.8
-55°	8.9	8.9	10.2	18.9	35.2	60.5	92.4	128.3	183.3	253.9	337.1
-57.5°	8.9	8.9	9.6	18.2	33.3	57.2	88.3	123.0	174.7	241.2	319.8
-60°	8.9	8.9	8.9	17.4	30.9	53.3	83.4	116.9	163.8	226.2	299.7
-62.5°	8.9	8.9	8.9	16.4	29.2	48.8	76.7	108.9	150.1	208.3	276.4
-65°	8.9	8.9	8.9	15.4	27.3	43.7	69.1	98.7	133.7	184.9	249.9
-67.5°	8.9	8.9	8.9	14.2	25.2	39.3	60.8	86.6	114.8	157.4	214.7
-70°	8.9	8.9	8.9	12.9	22.9	35.7	51.8	73.8	98.3	126.9	173.5
-72.5°	8.9	8.9	8.9	12.6	20.4	31.8	45.7	60.4	81.1	105.3	132.8
-75°	8.9	8.9	8.9	12.5	17.8	27.7	39.8	50.9	63.1	82.9	105.6
-77.5°	8.9	8.9	8.9	12.3	16.8	23.4	33.6	42.8	52.4	62.8	77.4
-80°	8.9	8.9	8.9	12.2	16.3	21.1	27.2	34.5	42.2	50.6	59.6
-82.5°	8.9	8.9	8.9	11.9	15.6	19.8	24.6	28.0	31.8	38.2	44.9
-85°	8.9	8.9	8.9	11.7	14.9	18.5	22.4	25.4	28.4	31.3	34.2
-87.5°	8.9	8.9	8.9	11.4	14.2	17.1	20.2	22.8	25.4	28.0	30.5
-90°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	6.7	4.4	2.2	0.0





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	29.0	31.3	33.5
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	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.6	2.3	1.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	5.9	4.8	2.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	5.1	2.6	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.9	0.1	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.5	2.5	2.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	5.0	5.4	3.6	1.5	0.0	0.5	1.3	0.9	0.0	0.5	1.1
67.5°	8.3	6.2	4.0	2.5	3.3	4.5	4.2	4.5	4.8	5.3	4.5
65°	8.7	6.6	6.7	7.8	8.7	9.6	10.4	11.0	9.3	8.0	8.2
62.5°	9.3	10.1	11.6	13.0	14.4	15.6	15.6	13.9	10.5	13.2	15.2
60°	13.3	14.6	16.5	18.3	20.0	21.0	20.1	20.3	22.5	26.1	50.2
57.5°	17.9	19.1	21.3	24.2	26.6	27.0	27.8	30.2	70.8	115.6	127.7
55°	22.6	23.6	27.3	31.7	34.3	34.1	49.0	103.2	155.8	215.8	238.0
52.5°	27.2	29.1	35.5	40.8	44.2	68.8	124.0	197.7	275.3	344.2	433.3
50°	31.8	38.2	44.8	52.7	84.0	148.3	229.0	329.5	446.5	556.6	669.5
47.5°	39.7	47.8	57.9	83.1	165.6	254.9	366.5	528.3	672.5	805.8	960.5
45°	49.1	66.0	77.2	164.5	260.4	375.6	564.6	762.4	893.2	1071.6	1345.3
42.5°	58.8	91.4	147.5	248.5	365.3	551.0	785.5	954.0	1128.1	1417.3	1705.1
40°	84.6	122.5	222.6	342.6	490.7	761.5	1002.1	1192.9	1430.7	1751.3	2051.8
37.5°	116.0	187.0	299.1	443.1	687.4	984.2	1241.9	1514.4	1787.8	2090.1	2647.4
35°	150.8	246.8	396.0	590.3	884.2	1231.2	1538.4	1842.9	2158.0	2753.2	3306.2
32.5°	196.2	301.9	497.4	761.5	1096.9	1477.8	1834.5	2186.5	2691.8	3365.3	3920.3
30°	245.1	390.4	614.0	920.0	1297.2	1703.7	2132.5	2558.7	3227.5	3784.8	4387.4
27.5°	296.1	483.9	750.8	1085.5	1484.8	1916.8	2400.8	3008.8	3605.3	4156.0	4818.1
25°	348.5	581.3	875.9	1243.8	1669.3	2147.3	2703.8	3444.4	3911.0	4519.6	5210.3
22.5°	416.0	674.5	999.8	1387.3	1840.3	2383.9	3093.8	3837.5	4386.6	4898.5	5573.2
20°	493.9	779.4	1134.5	1567.1	2007.8	2615.2	3481.6	4263.7	4909.7	5495.8	6115.6
17.5°	566.8	877.4	1278.7	1750.7	2251.6	2911.5	3862.1	4727.7	5438.5	6091.7	6865.4
15°	634.1	968.2	1419.9	1924.4	2491.2	3251.0	4203.3	5153.9	5965.6	6700.6	7579.7
12.5°	695.7	1051.1	1555.9	2087.0	2716.8	3543.7	4489.8	5417.6	6309.8	7267.5	8265.2
10°	751.2	1125.6	1684.3	2237.1	2926.0	3791.2	4726.5	5637.6	6537.7	7551.1	8659.7
7.5°	810.8	1195.3	1800.9	2373.5	3116.4	3995.6	4915.6	5814.0	6721.8	7778.0	8916.2
5°	865.8	1259.4	1893.6	2471.3	3263.5	4155.2	5057.8	5948.0	6861.6	7947.1	9110.3
2.5°	914.2	1313.3	1969.1	2547.9	3372.6	4272.6	5150.3	6059.7	6965.3	8084.5	9258.6
0°	955.2	1357.0	2026.6	2606.8	3455.0	4356.6	5204.8	6133.2	7026.0	8177.6	9356.1
-2.5°	981.5	1428.7	2066.1	2709.5	3527.0	4411.7	5253.5	6153.8	7091.3	8207.1	9465.5
-5°	999.9	1486.7	2089.9	2788.7	3574.0	4435.9	5269.5	6137.9	7108.7	8199.7	9481.6
-7.5°	1010.7	1527.6	2101.1	2833.6	3590.6	4421.4	5242.4	6107.7	7080.2	8171.6	9410.7
-10°	1016.9	1540.5	2116.2	2820.0	3568.8	4373.5	5182.0	6036.8	6999.2	8080.3	9276.1
-12.5°	1033.7	1532.3	2113.6	2790.1	3521.9	4301.2	5092.4	5924.4	6864.2	7924.6	9089.9
-15°	1037.9	1513.9	2088.2	2745.9	3450.1	4206.7	4975.2	5770.5	6697.8	7772.8	8883.9
-17.5°	1028.5	1486.2	2038.8	2689.5	3354.0	4092.0	4837.1	5631.8	6541.8	7597.8	8667.7
-20°	1004.7	1450.1	1964.1	2622.9	3240.0	3964.6	4698.9	5486.3	6362.3	7355.0	8425.7



REPORT NUMBER: P627770 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	965.5	1406.6	1883.2	2530.0	3141.5	3818.3	4536.8	5288.1	6137.4	7040.0	8100.3
-25°	925.1	1357.5	1819.6	2402.3	3023.0	3647.5	4350.6	5045.8	5873.3	6759.7	7700.6
-27.5°	886.8	1288.9	1753.4	2262.4	2883.5	3465.1	4140.1	4818.2	5576.2	6445.0	7311.3
-30°	836.6	1214.7	1672.5	2127.9	2716.7	3293.3	3905.2	4572.7	5254.3	6078.8	6931.1
-32.5°	792.4	1137.7	1580.5	2025.4	2537.4	3099.8	3652.1	4288.2	4953.5	5656.3	6498.6
-35°	762.8	1092.1	1483.0	1907.1	2354.5	2889.4	3414.6	3967.3	4611.7	5271.3	6010.7
-37.5°	738.8	1039.7	1380.3	1783.7	2209.6	2668.6	3160.4	3668.8	4231.1	4896.2	5591.4
-40°	701.1	980.7	1304.3	1666.1	2041.9	2459.3	2915.7	3376.0	3863.4	4513.1	5199.1
-42.5°	652.8	923.7	1232.6	1538.2	1881.5	2262.5	2668.2	3101.7	3570.1	4134.4	4765.0
-45°	615.6	850.7	1152.9	1426.6	1710.8	2059.3	2440.3	2832.9	3274.7	3759.2	4325.6
-47.5°	568.4	771.3	1048.7	1304.4	1554.8	1852.3	2200.7	2572.4	2963.7	3400.3	3864.4
-50°	517.9	705.1	921.2	1170.2	1408.9	1656.3	1953.5	2297.2	2652.2	3032.8	3446.9
-52.5°	479.6	627.6	824.9	1032.2	1259.7	1484.1	1737.2	2031.8	2348.9	2666.9	3031.2
-55°	436.3	570.6	733.2	919.0	1112.7	1320.4	1550.8	1809.0	2067.4	2359.5	2650.2
-57.5°	405.7	515.7	656.7	818.1	992.2	1168.6	1386.1	1604.3	1843.6	2085.3	2326.5
-60°	381.9	468.4	585.3	727.4	882.6	1047.5	1226.0	1427.5	1633.6	1830.9	2039.3
-62.5°	354.6	429.8	521.2	637.2	777.4	920.9	1078.1	1250.8	1437.2	1603.3	1764.9
-65°	319.3	384.7	463.1	557.5	667.6	788.9	922.8	1068.4	1229.5	1364.4	1496.4
-67.5°	278.8	333.8	399.6	476.7	568.5	663.2	761.5	884.6	1015.4	1125.4	1233.0
-70°	227.8	278.8	332.5	395.4	467.4	547.6	634.2	723.5	813.0	902.8	1001.2
-72.5°	174.4	220.7	266.4	311.2	368.5	434.3	504.8	579.7	657.9	734.7	809.5
-75°	132.9	163.0	202.9	243.3	283.1	325.9	373.6	433.2	505.9	580.4	648.7
-77.5°	100.4	125.6	152.2	180.0	205.1	236.7	271.1	308.2	368.1	436.9	506.4
-80°	72.4	87.5	108.7	131.0	148.7	166.1	184.2	203.0	247.6	303.0	362.2
-82.5°	53.7	64.1	75.8	88.8	97.7	106.4	116.0	128.5	161.5	199.0	238.5
-85°	37.0	40.1	46.4	53.6	58.6	63.6	68.8	74.1	91.9	111.9	133.4
-87.5°	31.9	33.5	35.2	37.0	37.6	38.2	38.8	39.4	45.4	51.7	58.2
-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: P627770 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	35.7	37.9	40.2	42.4	44.6	46.9	49.1	51.4	53.6	53.6	53.6
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	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.8	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	4.1	4.5	4.6	3.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0
65°	9.4	9.0	6.7	4.3	2.1	3.4	5.4	6.4	6.5	5.8	4.5
62.5°	14.1	13.0	11.8	13.6	16.3	18.8	18.0	17.1	15.9	15.1	15.7
60°	52.8	35.3	40.7	51.1	47.8	32.7	53.8	60.9	51.9	35.5	34.3
57.5°	133.9	129.2	148.0	216.2	237.9	216.8	259.0	314.4	312.8	269.3	267.9
55°	285.1	382.5	500.2	519.2	601.0	765.0	892.7	836.8	836.4	878.5	1014.1
52.5°	541.5	633.5	667.7	759.0	930.1	1054.2	1134.0	1216.6	1307.1	1399.4	1493.0
50°	794.8	884.0	985.3	1078.9	1315.6	1443.1	1421.8	1592.9	1811.7	1948.4	2018.7
47.5°	1165.7	1306.3	1520.5	1856.2	2032.9	2160.7	2319.5	2513.3	2764.0	3104.2	3366.2
45°	1602.5	1823.8	2155.2	2511.7	2785.9	2910.9	3092.7	3392.7	3792.6	4181.9	4466.2
42.5°	1959.6	2263.1	2636.9	2977.5	3201.2	3406.4	3641.8	3894.8	4352.8	4768.7	5097.3
40°	2425.5	2662.0	3081.3	3402.4	3602.6	3806.1	4179.1	4557.8	4988.5	5375.9	5645.2
37.5°	3016.1	3282.1	3718.3	4081.5	4274.3	4346.2	4980.5	5507.7	5857.8	6352.4	6514.2
35°	3650.4	4088.4	4644.3	5115.1	5304.1	5681.4	6334.9	7070.5	7867.4	8160.5	8410.4
32.5°	4358.2	4898.5	5652.7	6158.0	6427.8	7000.4	7827.5	8612.6	9654.6	10220.2	10389.3
30°	5005.7	5625.7	6274.0	6765.2	7226.3	7915.9	8670.2	9638.2	10601.7	11324.9	11549.5
27.5°	5480.9	6166.9	6790.1	7250.1	7770.5	8514.0	9454.4	10434.7	11380.6	12118.3	12380.5
25°	5934.5	6709.9	7203.4	7738.2	8349.2	9159.5	10201.6	11290.8	12222.5	12846.0	13167.6
22.5°	6450.4	7215.0	7744.7	8197.7	8996.6	9930.3	10897.6	12128.5	13115.5	13613.1	13961.6
20°	6982.9	7848.0	8666.2	9087.6	9778.9	10961.0	12044.0	13205.9	14159.1	14677.6	15044.7
17.5°	7725.9	8828.2	9831.9	10428.5	11168.8	12582.4	13933.6	15109.0	16435.0	16903.3	17352.0
15°	8509.4	9785.2	10960.9	11906.2	12862.4	14262.9	16002.4	17420.8	18933.8	19609.5	20373.2
12.5°	9290.3	10497.6	11562.8	12782.2	14129.9	15368.8	17024.8	18791.1	20164.1	21025.8	21540.0
10°	9874.1	10995.3	12020.3	13242.7	14587.9	15989.3	17634.9	19445.5	20882.7	21618.0	22037.7
7.5°	10189.2	11262.4	12343.5	13582.2	14921.4	16413.9	18109.4	19905.8	21375.3	22087.7	22502.1
5°	10423.2	11453.9	12573.4	13877.3	15231.4	16744.7	18437.9	20212.9	21552.8	22310.0	22834.0
2.5°	10564.8	11575.3	12719.9	14068.1	15425.5	17001.7	18776.7	20616.5	21788.9	22398.0	22880.0
0°	10605.9	11623.6	12802.1	14168.0	15560.7	17149.8	18908.5	20729.7	21917.1	22506.3	22997.3
-2.5°	10652.1	11700.0	12910.7	14232.8	15613.6	17198.2	18993.5	20768.0	21836.2	22430.7	22897.9
-5°	10619.9	11705.9	12913.0	14179.2	15569.1	17141.1	18864.5	20523.8	21641.2	22283.9	22748.4
-7.5°	10523.8	11625.3	12819.9	14036.7	15400.2	16990.1	18706.2	20304.0	21435.9	22113.7	22622.0
-10°	10384.0	11453.3	12656.2	13888.5	15235.7	16749.1	18438.8	20027.1	21110.4	21830.1	22422.5
-12.5°	10229.0	11276.2	12435.6	13617.7	14950.1	16444.7	18081.9	19585.4	20662.3	21447.3	21870.6
-15°	9999.3	11045.9	12154.3	13297.7	14596.4	16046.4	17610.3	19052.8	20110.2	20749.0	21216.8
-17.5°	9707.2	10734.1	11784.9	12869.4	14092.9	15520.9	17094.4	18517.0	19379.0	19949.5	20409.3
-20°	9394.3	10343.9	11339.5	12362.9	13548.8	14963.3	16508.6	17749.5	18561.9	19110.1	19544.2



REPORT NUMBER: P627770 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9036.9	9951.4	10862.7	11841.1	13003.9	14300.7	15665.6	16864.8	17738.3	18237.6	18638.8
-25°	8629.0	9518.6	10383.9	11328.9	12397.5	13563.2	14832.4	16010.8	16793.1	17323.5	17721.3
-27.5°	8189.7	9025.4	9870.7	10719.3	11680.0	12841.5	14016.8	15111.6	15779.4	16313.9	16714.1
-30°	7751.1	8502.9	9285.0	10088.3	10990.0	12037.2	13136.7	14057.2	14761.4	15280.8	15652.3
-32.5°	7275.9	7989.3	8682.2	9433.0	10281.9	11204.9	12169.7	13045.4	13798.0	14273.7	14586.8
-35°	6789.2	7479.7	8113.9	8795.4	9544.2	10340.8	11231.3	12094.9	12838.1	13214.5	13519.7
-37.5°	6282.2	6970.7	7572.0	8141.3	8786.4	9524.0	10391.5	11215.4	11857.5	12181.0	12456.1
-40°	5841.3	6447.5	6988.7	7533.4	8057.9	8713.0	9522.5	10320.3	10835.4	11150.7	11406.2
-42.5°	5413.4	5924.7	6367.9	6856.2	7381.1	8026.9	8680.1	9349.0	9763.1	10113.0	10382.1
-45°	4914.9	5372.0	5787.5	6193.7	6672.5	7262.0	7855.3	8391.1	8778.9	9117.2	9379.3
-47.5°	4363.7	4804.9	5208.5	5571.6	6016.5	6508.2	7007.8	7453.7	7836.7	8170.9	8404.8
-50°	3849.9	4244.1	4638.2	5005.7	5391.2	5789.0	6194.2	6585.6	6949.1	7273.9	7472.9
-52.5°	3389.6	3753.4	4097.7	4419.0	4756.4	5092.5	5428.1	5786.5	6121.0	6428.4	6587.3
-55°	2973.1	3301.2	3611.9	3882.6	4153.3	4419.8	4707.5	5038.4	5346.4	5631.2	5745.2
-57.5°	2599.3	2880.0	3155.0	3383.9	3604.9	3817.0	4069.5	4348.8	4618.4	4862.5	4955.8
-60°	2255.5	2478.2	2708.2	2911.3	3103.9	3285.8	3506.0	3730.9	3949.5	4133.5	4213.0
-62.5°	1939.2	2129.7	2304.0	2469.0	2632.2	2795.9	2973.6	3152.1	3328.7	3470.4	3542.1
-65°	1634.2	1785.9	1926.0	2061.7	2193.5	2330.9	2470.1	2605.7	2736.4	2837.7	2899.9
-67.5°	1348.0	1463.3	1574.4	1680.2	1790.4	1901.9	2010.7	2114.6	2212.8	2291.1	2350.5
-70°	1094.3	1183.5	1270.5	1358.0	1450.0	1536.7	1618.6	1696.3	1769.4	1825.9	1871.7
-72.5°	882.1	954.5	1029.5	1108.4	1182.8	1247.6	1306.4	1363.2	1417.6	1449.5	1473.3
-75°	711.1	772.1	837.4	901.2	963.3	1012.5	1055.8	1097.7	1138.0	1140.1	1132.0
-77.5°	574.5	629.0	679.5	729.6	779.2	809.5	836.0	863.3	890.9	875.0	849.7
-80°	421.7	467.0	509.9	553.1	596.2	614.1	626.7	637.6	646.8	625.9	600.1
-82.5°	279.8	308.4	336.3	364.7	393.5	405.0	413.6	420.7	426.3	407.4	385.7
-85°	156.1	169.8	183.3	196.9	210.6	218.7	226.0	232.8	239.0	227.8	215.0
-87.5°	64.9	68.0	71.0	74.0	76.9	79.8	82.6	85.4	88.1	88.5	88.8
-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: P627770 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	51.4
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	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.6	0.4	0.0	0.0	0.0	0.4	2.6	4.5	5.8	6.5	6.4
62.5°	16.4	17.1	17.7	17.9	17.7	17.1	16.4	15.7	15.1	15.9	17.1
60°	31.5	27.7	26.7	26.8	26.7	27.7	31.5	34.3	35.5	51.9	60.9
57.5°	247.5	211.8	217.2	241.0	217.2	211.8	247.5	267.9	269.3	312.8	314.4
55°	1156.6	1291.1	1338.6	1312.3	1338.6	1291.1	1156.6	1014.1	878.5	836.4	836.8
52.5°	1567.0	1622.1	1643.4	1642.7	1643.4	1622.1	1567.0	1493.0	1399.4	1307.1	1216.6
50°	2040.0	2021.3	1992.6	1964.1	1992.6	2021.3	2040.0	2018.7	1948.4	1811.7	1592.9
47.5°	3404.5	3345.5	3320.6	3365.7	3320.6	3345.5	3404.5	3366.2	3104.2	2764.0	2513.3
45°	4524.2	4593.3	4645.0	4642.3	4645.0	4593.3	4524.2	4466.2	4181.9	3792.6	3392.7
42.5°	5161.7	5198.5	5209.2	5195.8	5209.2	5198.5	5161.7	5097.3	4768.7	4352.8	3894.8
40°	5729.9	5773.8	5798.5	5820.8	5798.5	5773.8	5729.9	5645.2	5375.9	4988.5	4557.8
37.5°	6567.5	6583.6	6548.5	6526.0	6548.5	6583.6	6567.5	6514.2	6352.4	5857.8	5507.7
35°	8621.1	8663.2	8565.7	8668.6	8565.7	8663.2	8621.1	8410.4	8160.5	7867.4	7070.5
32.5°	10590.6	10787.7	10947.1	11079.1	10947.1	10787.7	10590.6	10389.3	10220.2	9654.6	8612.6
30°	11706.2	11833.4	11901.7	11918.3	11901.7	11833.4	11706.2	11549.5	11324.9	10601.7	9638.2
27.5°	12525.4	12658.7	12741.7	12802.1	12741.7	12658.7	12525.4	12380.5	12118.3	11380.6	10434.7
25°	13314.8	13436.7	13519.7	13552.0	13519.7	13436.7	13314.8	13167.6	12846.0	12222.5	11290.8
22.5°	14134.1	14218.8	14298.5	14337.6	14298.5	14218.8	14134.1	13961.6	13613.1	13115.5	12128.5
20°	15308.4	15262.4	15335.1	15310.7	15335.1	15262.4	15308.4	15044.7	14677.6	14159.1	13205.9
17.5°	17701.7	17726.6	17775.2	17855.1	17775.2	17726.6	17701.7	17352.0	16903.3	16435.0	15109.0
15°	20711.6	20772.2	21080.0	21354.7	21080.0	20772.2	20711.6	20373.2	19609.5	18933.8	17420.8
12.5°	22017.2	22226.8	22259.3	22336.7	22259.3	22226.8	22017.2	21540.0	21025.8	20164.1	18791.1
10°	22452.9	22815.9	22808.0	22899.1	22808.0	22815.9	22452.9	22037.7	21618.0	20882.7	19445.5
7.5°	22783.4	23173.2	23337.9	23408.0	23337.9	23173.2	22783.4	22502.1	22087.7	21375.3	19905.8
5°	23187.1	23401.4	23685.7	23604.4	23685.7	23401.4	23187.1	22834.0	22310.0	21552.8	20212.9
2.5°	23356.3	23692.0	23614.5	23693.7	23614.5	23692.0	23356.3	22880.0	22398.0	21788.9	20616.5
0°	23470.5	23711.5	23747.2	23827.6	23747.2	23711.5	23470.5	22997.3	22506.3	21917.1	20729.7
-2.5°	23332.0	23544.2	23915.7	23800.8	23915.7	23544.2	23332.0	22897.9	22430.7	21836.2	20768.0
-5°	23210.7	23732.8	23530.0	23782.9	23530.0	23732.8	23210.7	22748.4	22283.9	21641.2	20523.8
-7.5°	23148.0	23241.4	23375.9	23568.7	23375.9	23241.4	23148.0	22622.0	22113.7	21435.9	20304.0
-10°	22663.4	22759.0	23006.2	23140.2	23006.2	22759.0	22663.4	22422.5	21830.1	21110.4	20027.1
-12.5°	22137.9	22322.8	22582.6	22667.0	22582.6	22322.8	22137.9	21870.6	21447.3	20662.3	19585.4
-15°	21532.6	21807.2	22060.4	22113.5	22060.4	21807.2	21532.6	21216.8	20749.0	20110.2	19052.8
-17.5°	20762.8	21092.1	21358.1	21417.2	21358.1	21092.1	20762.8	20409.3	19949.5	19379.0	18517.0
-20°	19914.6	20230.0	20456.2	20524.4	20456.2	20230.0	19914.6	19544.2	19110.1	18561.9	17749.5



REPORT NUMBER: P627770 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19006.5	19290.5	19481.7	19453.1	19481.7	19290.5	19006.5	18638.8	18237.6	17738.3	16864.8
-25°	18042.3	18305.9	18488.1	18462.1	18488.1	18305.9	18042.3	17721.3	17323.5	16793.1	16010.8
-27.5°	17023.0	17272.7	17447.8	17453.3	17447.8	17272.7	17023.0	16714.1	16313.9	15779.4	15111.6
-30°	15951.9	16178.7	16320.9	16266.0	16320.9	16178.7	15951.9	15652.3	15280.8	14761.4	14057.2
-32.5°	14847.1	15052.3	15182.6	15221.4	15182.6	15052.3	14847.1	14586.8	14273.7	13798.0	13045.4
-35°	13757.6	13938.4	14050.9	14078.7	14050.9	13938.4	13757.6	13519.7	13214.5	12838.1	12094.9
-37.5°	12674.9	12830.5	12909.1	12873.5	12909.1	12830.5	12674.9	12456.1	12181.0	11857.5	11215.4
-40°	11605.0	11753.2	11843.2	11864.7	11843.2	11753.2	11605.0	11406.2	11150.7	10835.4	10320.3
-42.5°	10553.1	10676.3	10755.4	10793.4	10755.4	10676.3	10553.1	10382.1	10113.0	9763.1	9349.0
-45°	9532.3	9642.4	9716.6	9757.8	9716.6	9642.4	9532.3	9379.3	9117.2	8778.9	8391.1
-47.5°	8539.1	8635.7	8699.7	8731.1	8699.7	8635.7	8539.1	8404.8	8170.9	7836.7	7453.7
-50°	7589.4	7673.0	7732.6	7767.0	7732.6	7673.0	7589.4	7472.9	7273.9	6949.1	6585.6
-52.5°	6688.6	6761.6	6812.5	6838.5	6812.5	6761.6	6688.6	6587.3	6428.4	6121.0	5786.5
-55°	5828.5	5887.7	5934.8	5963.6	5934.8	5887.7	5828.5	5745.2	5631.2	5346.4	5038.4
-57.5°	5026.5	5074.9	5119.4	5151.2	5119.4	5074.9	5026.5	4955.8	4862.5	4618.4	4348.8
-60°	4275.7	4321.3	4359.3	4383.4	4359.3	4321.3	4275.7	4213.0	4133.5	3949.5	3730.9
-62.5°	3598.2	3638.6	3673.4	3696.0	3673.4	3638.6	3598.2	3542.1	3470.4	3328.7	3152.1
-65°	2948.8	2985.0	3010.9	3026.4	3010.9	2985.0	2948.8	2899.9	2837.7	2736.4	2605.7
-67.5°	2401.2	2443.0	2451.3	2446.1	2451.3	2443.0	2401.2	2350.5	2291.1	2212.8	2114.6
-70°	1912.6	1948.0	1956.2	1955.1	1956.2	1948.0	1912.6	1871.7	1825.9	1769.4	1696.3
-72.5°	1495.5	1514.7	1498.3	1473.0	1498.3	1514.7	1495.5	1473.3	1449.5	1417.6	1363.2
-75°	1122.1	1109.8	1092.5	1071.3	1092.5	1109.8	1122.1	1132.0	1140.1	1138.0	1097.7
-77.5°	821.9	791.5	771.6	749.9	771.6	791.5	821.9	849.7	875.0	890.9	863.3
-80°	572.3	542.5	521.8	499.9	521.8	542.5	572.3	600.1	625.9	646.8	637.6
-82.5°	362.5	337.9	325.5	312.5	325.5	337.9	362.5	385.7	407.4	426.3	420.7
-85°	201.3	186.9	178.4	169.6	178.4	186.9	201.3	215.0	227.8	239.0	232.8
-87.5°	89.0	89.2	84.8	80.3	84.8	89.2	89.0	88.8	88.5	88.1	85.4
-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: P627770 (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°	49.1	46.9	44.6	42.4	40.2	37.9	35.7	33.5	31.3	29.0	26.8
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	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.3	0.2	0.0	0.0	0.8	1.1	0.5	0.0	0.9
67.5°	0.0	0.0	1.6	3.7	4.6	4.5	4.1	4.5	5.3	4.8	4.5
65°	5.4	3.4	2.1	4.3	6.7	9.0	9.4	8.2	8.0	9.3	11.0
62.5°	18.0	18.8	16.3	13.6	11.8	13.0	14.1	15.2	13.2	10.5	13.9
60°	53.8	32.7	47.8	51.1	40.7	35.3	52.8	50.2	26.1	22.5	20.3
57.5°	259.0	216.8	237.9	216.2	148.0	129.2	133.9	127.7	115.6	70.8	30.2
55°	892.7	765.0	601.0	519.2	500.2	382.5	285.1	238.0	215.8	155.8	103.2
52.5°	1134.0	1054.2	930.1	759.0	667.7	633.5	541.5	433.3	344.2	275.3	197.7
50°	1421.8	1443.1	1315.6	1078.9	985.3	884.0	794.8	669.5	556.6	446.5	329.5
47.5°	2319.5	2160.7	2032.9	1856.2	1520.5	1306.3	1165.7	960.5	805.8	672.5	528.3
45°	3092.7	2910.9	2785.9	2511.7	2155.2	1823.8	1602.5	1345.3	1071.6	893.2	762.4
42.5°	3641.8	3406.4	3201.2	2977.5	2636.9	2263.1	1959.6	1705.1	1417.3	1128.1	954.0
40°	4179.1	3806.1	3602.6	3402.4	3081.3	2662.0	2425.5	2051.8	1751.3	1430.7	1192.9
37.5°	4980.5	4346.2	4274.3	4081.5	3718.3	3282.1	3016.1	2647.4	2090.1	1787.8	1514.4
35°	6334.9	5681.4	5304.1	5115.1	4644.3	4088.4	3650.4	3306.2	2753.2	2158.0	1842.9
32.5°	7827.5	7000.4	6427.8	6158.0	5652.7	4898.5	4358.2	3920.3	3365.3	2691.8	2186.5
30°	8670.2	7915.9	7226.3	6765.2	6274.0	5625.7	5005.7	4387.4	3784.8	3227.5	2558.7
27.5°	9454.4	8514.0	7770.5	7250.1	6790.1	6166.9	5480.9	4818.1	4156.0	3605.3	3008.8
25°	10201.6	9159.5	8349.2	7738.2	7203.4	6709.9	5934.5	5210.3	4519.6	3911.0	3444.4
22.5°	10897.6	9930.3	8996.6	8197.7	7744.7	7215.0	6450.4	5573.2	4898.5	4386.6	3837.5
20°	12044.0	10961.0	9778.9	9087.6	8666.2	7848.0	6982.9	6115.6	5495.8	4909.7	4263.7
17.5°	13933.6	12582.4	11168.8	10428.5	9831.9	8828.2	7725.9	6865.4	6091.7	5438.5	4727.7
15°	16002.4	14262.9	12862.4	11906.2	10960.9	9785.2	8509.4	7579.7	6700.6	5965.6	5153.9
12.5°	17024.8	15368.8	14129.9	12782.2	11562.8	10497.6	9290.3	8265.2	7267.5	6309.8	5417.6
10°	17634.9	15989.3	14587.9	13242.7	12020.3	10995.3	9874.1	8659.7	7551.1	6537.7	5637.6
7.5°	18109.4	16413.9	14921.4	13582.2	12343.5	11262.4	10189.2	8916.2	7778.0	6721.8	5814.0
5°	18437.9	16744.7	15231.4	13877.3	12573.4	11453.9	10423.2	9110.3	7947.1	6861.6	5948.0
2.5°	18776.7	17001.7	15425.5	14068.1	12719.9	11575.3	10564.8	9258.6	8084.5	6965.3	6059.7
0°	18908.5	17149.8	15560.7	14168.0	12802.1	11623.6	10605.9	9356.1	8177.6	7026.0	6133.2
-2.5°	18993.5	17198.2	15613.6	14232.8	12910.7	11700.0	10652.1	9465.5	8207.1	7091.3	6153.8
-5°	18864.5	17141.1	15569.1	14179.2	12913.0	11705.9	10619.9	9481.6	8199.7	7108.7	6137.9
-7.5°	18706.2	16990.1	15400.2	14036.7	12819.9	11625.3	10523.8	9410.7	8171.6	7080.2	6107.7
-10°	18438.8	16749.1	15235.7	13888.5	12656.2	11453.3	10384.0	9276.1	8080.3	6999.2	6036.8
-12.5°	18081.9	16444.7	14950.1	13617.7	12435.6	11276.2	10229.0	9089.9	7924.6	6864.2	5924.4
-15°	17610.3	16046.4	14596.4	13297.7	12154.3	11045.9	9999.3	8883.9	7772.8	6697.8	5770.5
-17.5°	17094.4	15520.9	14092.9	12869.4	11784.9	10734.1	9707.2	8667.7	7597.8	6541.8	5631.8
-20°	16508.6	14963.3	13548.8	12362.9	11339.5	10343.9	9394.3	8425.7	7355.0	6362.3	5486.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627770 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	15665.6	14300.7	13003.9	11841.1	10862.7	9951.4	9036.9	8100.3	7040.0	6137.4	5288.1
-25°	14832.4	13563.2	12397.5	11328.9	10383.9	9518.6	8629.0	7700.6	6759.7	5873.3	5045.8
-27.5°	14016.8	12841.5	11680.0	10719.3	9870.7	9025.4	8189.7	7311.3	6445.0	5576.2	4818.2
-30°	13136.7	12037.2	10990.0	10088.3	9285.0	8502.9	7751.1	6931.1	6078.8	5254.3	4572.7
-32.5°	12169.7	11204.9	10281.9	9433.0	8682.2	7989.3	7275.9	6498.6	5656.3	4953.5	4288.2
-35°	11231.3	10340.8	9544.2	8795.4	8113.9	7479.7	6789.2	6010.7	5271.3	4611.7	3967.3
-37.5°	10391.5	9524.0	8786.4	8141.3	7572.0	6970.7	6282.2	5591.4	4896.2	4231.1	3668.8
-40°	9522.5	8713.0	8057.9	7533.4	6988.7	6447.5	5841.3	5199.1	4513.1	3863.4	3376.0
-42.5°	8680.1	8026.9	7381.1	6856.2	6367.9	5924.7	5413.4	4765.0	4134.4	3570.1	3101.7
-45°	7855.3	7262.0	6672.5	6193.7	5787.5	5372.0	4914.9	4325.6	3759.2	3274.7	2832.9
-47.5°	7007.8	6508.2	6016.5	5571.6	5208.5	4804.9	4363.7	3864.4	3400.3	2963.7	2572.4
-50°	6194.2	5789.0	5391.2	5005.7	4638.2	4244.1	3849.9	3446.9	3032.8	2652.2	2297.2
-52.5°	5428.1	5092.5	4756.4	4419.0	4097.7	3753.4	3389.6	3031.2	2666.9	2348.9	2031.8
-55°	4707.5	4419.8	4153.3	3882.6	3611.9	3301.2	2973.1	2650.2	2359.5	2067.4	1809.0
-57.5°	4069.5	3817.0	3604.9	3383.9	3155.0	2880.0	2599.3	2326.5	2085.3	1843.6	1604.3
-60°	3506.0	3285.8	3103.9	2911.3	2708.2	2478.2	2255.5	2039.3	1830.9	1633.6	1427.5
-62.5°	2973.6	2795.9	2632.2	2469.0	2304.0	2129.7	1939.2	1764.9	1603.3	1437.2	1250.8
-65°	2470.1	2330.9	2193.5	2061.7	1926.0	1785.9	1634.2	1496.4	1364.4	1229.5	1068.4
-67.5°	2010.7	1901.9	1790.4	1680.2	1574.4	1463.3	1348.0	1233.0	1125.4	1015.4	884.6
-70°	1618.6	1536.7	1450.0	1358.0	1270.5	1183.5	1094.3	1001.2	902.8	813.0	723.5
-72.5°	1306.4	1247.6	1182.8	1108.4	1029.5	954.5	882.1	809.5	734.7	657.9	579.7
-75°	1055.8	1012.5	963.3	901.2	837.4	772.1	711.1	648.7	580.4	505.9	433.2
-77.5°	836.0	809.5	779.2	729.6	679.5	629.0	574.5	506.4	436.9	368.1	308.2
-80°	626.7	614.1	596.2	553.1	509.9	467.0	421.7	362.2	303.0	247.6	203.0
-82.5°	413.6	405.0	393.5	364.7	336.3	308.4	279.8	238.5	199.0	161.5	128.5
-85°	226.0	218.7	210.6	196.9	183.3	169.8	156.1	133.4	111.9	91.9	74.1
-87.5°	82.6	79.8	76.9	74.0	71.0	68.0	64.9	58.2	51.7	45.4	39.4
-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: P627770 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	24.6	22.4	20.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	4.7
85°	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.5	1.4	2.7
82.5°	0.0	0.0	0.0	0.1	1.5	2.3	2.6	2.4	1.3	0.2	0.7
80°	0.0	0.0	0.0	0.3	2.2	4.8	5.9	6.1	4.7	3.2	1.8
77.5°	0.0	0.0	0.0	0.1	0.9	2.6	5.1	8.1	8.0	6.2	4.4
75°	0.0	0.0	0.0	0.3	0.6	0.1	1.9	4.7	7.2	8.8	7.0
72.5°	0.0	0.0	0.0	1.1	2.4	2.5	1.5	1.5	5.1	7.6	8.8
70°	1.3	0.5	0.0	1.5	3.6	5.4	5.0	4.1	3.4	6.5	8.4
67.5°	4.2	4.5	3.3	2.5	4.0	6.2	8.3	8.0	6.9	5.8	8.2
65°	10.4	9.6	8.7	7.8	6.7	6.6	8.7	11.0	10.4	8.9	8.1
62.5°	15.6	15.6	14.4	13.0	11.6	10.1	9.3	12.3	13.5	12.0	10.1
60°	20.1	21.0	20.0	18.3	16.5	14.6	13.3	14.0	15.6	15.1	12.8
57.5°	27.8	27.0	26.6	24.2	21.3	19.1	17.9	17.5	17.9	17.7	15.5
55°	49.0	34.1	34.3	31.7	27.3	23.6	22.6	21.7	20.7	20.4	18.1
52.5°	124.0	68.8	44.2	40.8	35.5	29.1	27.2	25.9	24.6	23.3	20.7
50°	229.0	148.3	84.0	52.7	44.8	38.2	31.8	30.1	28.4	26.5	23.2
47.5°	366.5	254.9	165.6	83.1	57.9	47.8	39.7	34.3	32.1	29.8	25.7
45°	564.6	375.6	260.4	164.5	77.2	66.0	49.1	38.4	35.8	32.9	28.2
42.5°	785.5	551.0	365.3	248.5	147.5	91.4	58.8	46.6	39.5	36.2	30.9
40°	1002.1	761.5	490.7	342.6	222.6	122.5	84.6	55.7	43.2	39.8	33.9
37.5°	1241.9	984.2	687.4	443.1	299.1	187.0	116.0	64.9	49.1	43.5	37.1
35°	1538.4	1231.2	884.2	590.3	396.0	246.8	150.8	82.5	60.4	47.4	40.3
32.5°	1834.5	1477.8	1096.9	761.5	497.4	301.9	196.2	117.8	73.6	51.5	43.6
30°	2132.5	1703.7	1297.2	920.0	614.0	390.4	245.1	152.1	88.6	55.7	47.1
27.5°	2400.8	1916.8	1484.8	1085.5	750.8	483.9	296.1	185.3	105.3	63.1	50.5
25°	2703.8	2147.3	1669.3	1243.8	875.9	581.3	348.5	217.9	129.8	76.1	54.0
22.5°	3093.8	2383.9	1840.3	1387.3	999.8	674.5	416.0	260.8	156.6	89.7	57.5
20°	3481.6	2615.2	2007.8	1567.1	1134.5	779.4	493.9	303.5	182.1	103.8	61.0
17.5°	3862.1	2911.5	2251.6	1750.7	1278.7	877.4	566.8	345.5	206.2	118.2	64.5
15°	4203.3	3251.0	2491.2	1924.4	1419.9	968.2	634.1	386.2	228.7	132.6	69.0
12.5°	4489.8	3543.7	2716.8	2087.0	1555.9	1051.1	695.7	425.3	249.5	148.7	75.2
10°	4726.5	3791.2	2926.0	2237.1	1684.3	1125.6	751.2	464.5	273.9	165.8	81.7
7.5°	4915.6	3995.6	3116.4	2373.5	1800.9	1195.3	810.8	505.7	297.4	182.0	88.3
5°	5057.8	4155.2	3263.5	2471.3	1893.6	1259.4	865.8	543.6	319.3	197.1	94.9
2.5°	5150.3	4272.6	3372.6	2547.9	1969.1	1313.3	914.2	577.6	339.3	210.9	101.2
0°	5204.8	4356.6	3455.0	2606.8	2026.6	1357.0	955.2	607.1	357.1	223.2	107.1
-2.5°	5253.5	4411.7	3527.0	2709.5	2066.1	1428.7	981.5	633.7	385.3	232.1	118.0
-5°	5269.5	4435.9	3574.0	2788.7	2089.9	1486.7	999.9	655.5	410.0	239.2	128.0
-7.5°	5242.4	4421.4	3590.6	2833.6	2101.1	1527.6	1010.7	672.5	430.1	244.8	136.7
-10°	5182.0	4373.5	3568.8	2820.0	2116.2	1540.5	1016.9	685.0	444.7	248.9	143.9
-12.5°	5092.4	4301.2	3521.9	2790.1	2113.6	1532.3	1033.7	694.7	452.4	251.7	149.3
-15°	4975.2	4206.7	3450.1	2745.9	2088.2	1513.9	1037.9	698.3	451.6	257.0	152.6
-17.5°	4837.1	4092.0	3354.0	2689.5	2038.8	1486.2	1028.5	693.9	447.0	264.7	155.9
-20°	4698.9	3964.6	3240.0	2622.9	1964.1	1450.1	1004.7	681.1	438.8	269.7	159.1



REPORT NUMBER: P627770 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4536.8	3818.3	3141.5	2530.0	1883.2	1406.6	965.5	659.5	427.1	271.9	160.5
-25°	4350.6	3647.5	3023.0	2402.3	1819.6	1357.5	925.1	628.6	411.9	271.1	160.0
-27.5°	4140.1	3465.1	2883.5	2262.4	1753.4	1288.9	886.8	606.1	399.0	267.2	157.5
-30°	3905.2	3293.3	2716.7	2127.9	1672.5	1214.7	836.6	580.7	393.2	262.2	153.1
-32.5°	3652.1	3099.8	2537.4	2025.4	1580.5	1137.7	792.4	552.0	383.4	255.9	153.4
-35°	3414.6	2889.4	2354.5	1907.1	1483.0	1092.1	762.8	520.2	369.6	247.0	154.2
-37.5°	3160.4	2668.6	2209.6	1783.7	1380.3	1039.7	738.8	506.0	351.7	235.5	153.7
-40°	2915.7	2459.3	2041.9	1666.1	1304.3	980.7	701.1	490.1	334.5	221.6	151.6
-42.5°	2668.2	2262.5	1881.5	1538.2	1232.6	923.7	652.8	465.9	320.6	213.7	148.1
-45°	2440.3	2059.3	1710.8	1426.6	1152.9	850.7	615.6	435.3	303.5	207.9	145.0
-47.5°	2200.7	1852.3	1554.8	1304.4	1048.7	771.3	568.4	411.2	283.0	200.5	142.9
-50°	1953.5	1656.3	1408.9	1170.2	921.2	705.1	517.9	382.6	275.7	194.6	139.4
-52.5°	1737.2	1484.1	1259.7	1032.2	824.9	627.6	479.6	351.8	266.0	189.6	134.4
-55°	1550.8	1320.4	1112.7	919.0	733.2	570.6	436.3	337.1	253.9	183.3	128.3
-57.5°	1386.1	1168.6	992.2	818.1	656.7	515.7	405.7	319.8	241.2	174.7	123.0
-60°	1226.0	1047.5	882.6	727.4	585.3	468.4	381.9	299.7	226.2	163.8	116.9
-62.5°	1078.1	920.9	777.4	637.2	521.2	429.8	354.6	276.4	208.3	150.1	108.9
-65°	922.8	788.9	667.6	557.5	463.1	384.7	319.3	249.9	184.9	133.7	98.7
-67.5°	761.5	663.2	568.5	476.7	399.6	333.8	278.8	214.7	157.4	114.8	86.6
-70°	634.2	547.6	467.4	395.4	332.5	278.8	227.8	173.5	126.9	98.3	73.8
-72.5°	504.8	434.3	368.5	311.2	266.4	220.7	174.4	132.8	105.3	81.1	60.4
-75°	373.6	325.9	283.1	243.3	202.9	163.0	132.9	105.6	82.9	63.1	50.9
-77.5°	271.1	236.7	205.1	180.0	152.2	125.6	100.4	77.4	62.8	52.4	42.8
-80°	184.2	166.1	148.7	131.0	108.7	87.5	72.4	59.6	50.6	42.2	34.5
-82.5°	116.0	106.4	97.7	88.8	75.8	64.1	53.7	44.9	38.2	31.8	28.0
-85°	68.8	63.6	58.6	53.6	46.4	40.1	37.0	34.2	31.3	28.4	25.4
-87.5°	38.8	38.2	37.6	37.0	35.2	33.5	31.9	30.5	28.0	25.4	22.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.4	6.7

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CATALOG NUMBER: GFLD-SA5E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	17.9	15.7	13.4	11.1	8.9	8.9	8.9
87.5°	6.6	7.5	8.1	8.6	8.9	8.9	8.9
85°	4.3	6.0	7.4	8.3	8.9	8.9	8.9
82.5°	2.1	4.6	6.6	8.1	8.9	8.9	8.9
80°	0.5	3.3	5.9	7.8	8.9	8.9	8.9
77.5°	2.7	3.0	5.2	7.6	8.9	8.9	8.9
75°	5.0	4.4	4.9	7.4	8.9	8.9	8.9
72.5°	7.1	5.8	5.7	7.2	8.9	8.9	8.9
70°	8.9	7.1	6.4	7.1	8.9	8.9	8.9
67.5°	9.2	8.3	7.1	7.4	8.9	8.9	8.9
65°	9.5	9.2	7.8	7.7	8.9	8.9	8.9
62.5°	10.0	9.9	8.3	8.0	8.9	8.9	8.9
60°	10.6	10.7	8.9	8.2	8.9	8.9	8.9
57.5°	12.7	11.6	9.7	8.4	9.0	8.9	8.9
55°	15.0	12.5	10.6	8.6	9.1	8.9	8.9
52.5°	17.2	13.7	11.6	8.7	9.3	8.9	8.9
50°	19.4	15.5	12.6	8.8	9.5	8.9	8.9
47.5°	21.6	17.3	13.6	9.1	9.7	8.9	8.9
45°	23.6	19.0	14.7	9.9	10.0	8.9	8.9
42.5°	25.7	20.7	15.9	10.8	10.3	8.9	8.9
40°	27.7	22.4	17.1	11.9	10.6	8.9	8.9
37.5°	29.6	24.0	18.4	13.0	11.0	8.9	8.9
35°	31.4	25.6	19.6	14.2	11.3	8.9	8.9
32.5°	33.5	27.0	20.8	15.4	11.8	8.9	8.9
30°	36.2	28.5	22.0	16.5	12.2	8.9	8.9
27.5°	38.8	29.9	23.4	17.6	12.6	8.9	8.9
25°	41.5	31.2	24.7	18.6	13.1	8.9	8.9
22.5°	44.1	32.5	26.1	19.6	13.6	8.9	8.9
20°	46.6	34.2	27.4	20.6	14.1	8.9	8.9
17.5°	49.2	35.7	28.6	21.5	14.6	8.9	8.9
15°	51.7	37.2	29.8	22.4	15.1	8.9	8.9
12.5°	54.0	38.6	31.0	23.3	15.6	8.9	8.9
10°	56.1	40.0	32.0	24.1	16.1	8.9	8.9
7.5°	58.0	41.3	33.0	24.8	16.6	8.9	8.9
5°	59.7	42.5	34.0	25.5	17.1	8.9	8.9
2.5°	61.2	43.6	34.9	26.2	17.5	8.9	8.9
0°	62.5	44.6	35.7	26.8	17.9	8.9	8.9
-2.5°	66.0	45.6	36.4	26.8	17.9	8.9	8.9
-5°	69.1	46.4	37.1	26.7	17.8	8.9	8.9
-7.5°	71.9	47.2	37.7	26.6	17.7	8.9	8.9
-10°	74.2	47.9	38.1	26.4	17.6	8.9	8.9
-12.5°	76.0	48.5	38.4	26.2	17.5	8.9	8.9
-15°	77.1	49.0	38.5	25.9	17.3	8.9	8.9
-17.5°	77.5	49.4	38.4	25.6	17.1	8.9	8.9
-20°	79.5	49.7	38.2	25.2	16.8	8.9	8.9

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REPORT NUMBER: P627770 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	84.6	49.9	37.7	24.8	16.5	8.9	8.9
-25°	88.7	53.1	37.1	24.3	16.2	8.9	8.9
-27.5°	92.0	57.3	36.2	23.8	15.9	8.9	8.9
-30°	94.2	60.8	35.3	23.2	15.5	8.9	8.9
-32.5°	95.4	63.8	36.6	22.6	15.1	8.9	8.9
-35°	98.0	66.1	37.5	22.0	14.6	8.9	8.9
-37.5°	100.6	67.6	38.2	21.3	14.2	8.9	8.9
-40°	102.2	68.1	38.4	20.5	13.7	8.9	8.9
-42.5°	102.7	68.1	38.7	20.1	13.2	8.9	8.9
-45°	102.2	67.6	38.9	20.2	12.6	8.9	8.9
-47.5°	100.6	66.6	38.6	20.1	12.1	8.9	8.9
-50°	98.5	65.1	37.9	19.8	11.5	8.9	8.9
-52.5°	95.8	63.1	36.8	19.4	10.8	8.9	8.9
-55°	92.4	60.5	35.2	18.9	10.2	8.9	8.9
-57.5°	88.3	57.2	33.3	18.2	9.6	8.9	8.9
-60°	83.4	53.3	30.9	17.4	8.9	8.9	8.9
-62.5°	76.7	48.8	29.2	16.4	8.9	8.9	8.9
-65°	69.1	43.7	27.3	15.4	8.9	8.9	8.9
-67.5°	60.8	39.3	25.2	14.2	8.9	8.9	8.9
-70°	51.8	35.7	22.9	12.9	8.9	8.9	8.9
-72.5°	45.7	31.8	20.4	12.6	8.9	8.9	8.9
-75°	39.8	27.7	17.8	12.5	8.9	8.9	8.9
-77.5°	33.6	23.4	16.8	12.3	8.9	8.9	8.9
-80°	27.2	21.1	16.3	12.2	8.9	8.9	8.9
-82.5°	24.6	19.8	15.6	11.9	8.9	8.9	8.9
-85°	22.4	18.5	14.9	11.7	8.9	8.9	8.9
-87.5°	20.2	17.1	14.2	11.4	8.9	8.9	8.9
-90°	8.9	8.9	8.9	8.9	8.9	8.9	8.9

(END OF REPORT)