

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: P627750 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-730-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627750 (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-730-U-VWR-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (80) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

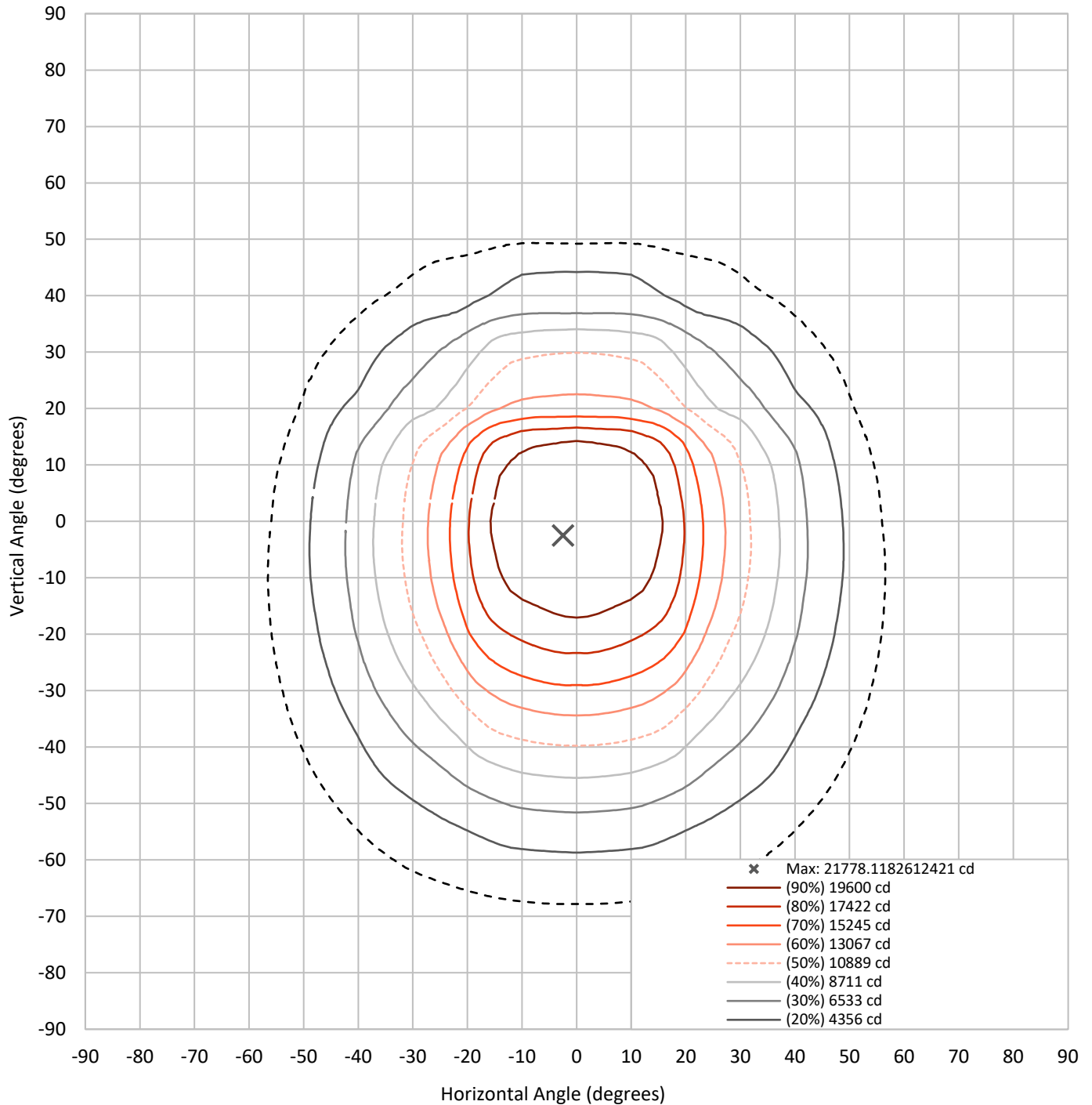
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	29063.6 lumens	Max Intensity:	21778.1 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	92.6 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:	16815.2 lumens	Field Lumens:	27579.5 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





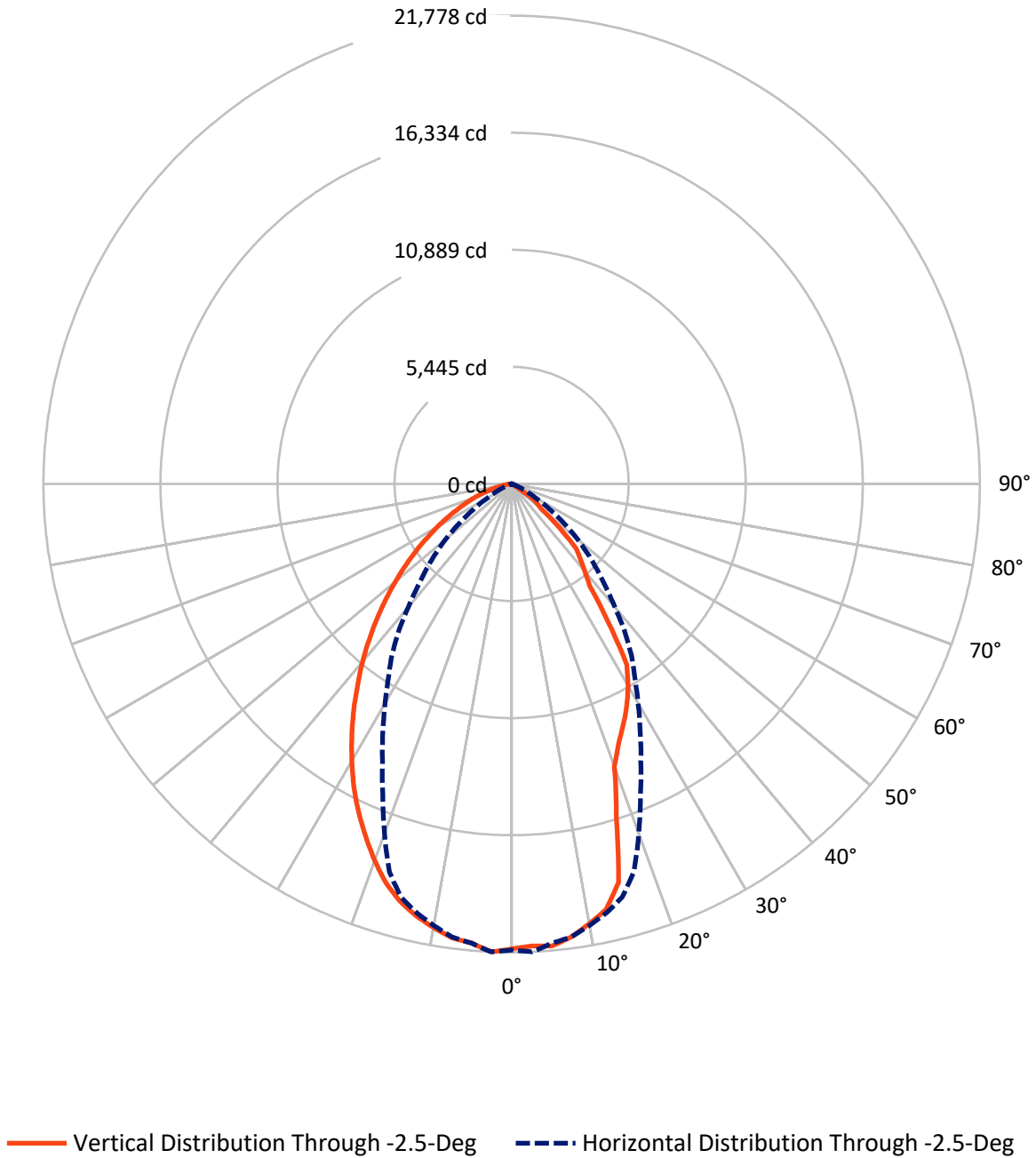
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### Lumen Table

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	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.1	0.1	0.2			
50		0.3	0.6	2.7	7.9	15.3	22.7	28.2	28.2	22.7	15.3	7.9	2.7	0.6	0.3				
40	0.5	0.5	3.2	14.9	36.1	64.9	95.8	117.3	117.3	95.8	64.9	36.1	14.9	3.2	0.5	0.5			
30		1.4	10.8	37.8	84.2	136.6	204.7	239.4	239.4	204.7	136.6	84.2	37.8	10.8	1.4				
20	0.9	3.2	20.9	66.9	135.7	215.2	322.8	371.0	371.0	322.8	215.2	135.7	66.9	20.9	3.2	0.9			
10		5.5	32.1	99.0	195.5	321.8	479.0	549.4	549.4	479.0	321.8	195.5	99.0	32.1	5.5				
0	1.5	7.5	41.6	117.6	233.9	384.5	565.7	641.9	641.9	565.7	384.5	233.9	117.6	41.6	7.5	1.5			
-10		8.9	45.9	122.1	240.1	393.3	569.9	644.3	644.3	569.9	393.3	240.1	122.1	45.9	8.9				
-20	1.8	9.3	44.9	115.6	226.4	368.3	528.9	597.6	597.6	528.9	368.3	226.4	115.6	44.9	9.3	1.8			
-30		8.5	39.3	100.8	195.6	313.1	443.4	502.2	502.2	443.4	313.1	195.6	100.8	39.3	8.5				
-40	1.8	7.1	31.3	79.3	153.9	241.5	338.6	383.4	383.4	338.6	241.5	153.9	79.3	31.3	7.1	1.8			
-50		5.7	23.1	56.5	110.2	169.8	234.4	266.0	266.0	234.4	169.8	110.2	56.5	23.1	5.7				
-60	1.4	4.3	15.1	36.3	68.5	105.4	143.2	163.3	163.3	143.2	105.4	68.5	36.3	15.1	4.3	1.4			
-70		3.0	9.2	21.2	37.6	55.9	74.0	83.9	83.9	74.0	55.9	37.6	21.2	9.2	3.0				
-80	0.5	6.8		31.3		68.3		76.3		68.3		31.3		6.8		0.5			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

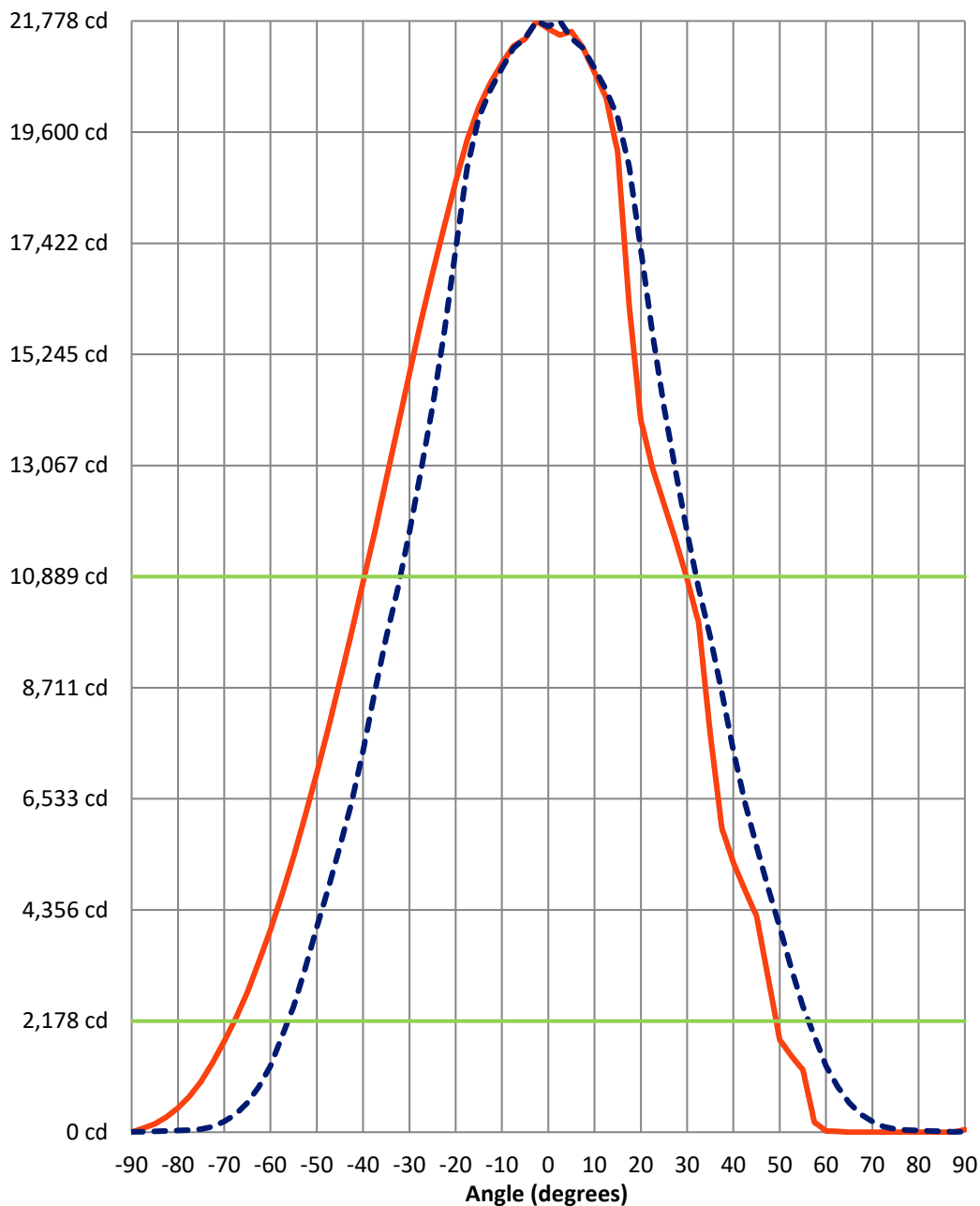
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 16815.2  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 27579.5  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 1484.1  
 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°	8.1	8.1	8.1	10.1	12.2	14.3	16.3	18.3	20.4	22.4	24.4
87.5°	8.1	8.1	8.1	7.8	7.4	6.8	6.0	4.3	2.7	1.3	0.0
85°	8.1	8.1	8.1	7.6	6.7	5.5	3.9	2.4	1.3	0.5	0.0
82.5°	8.1	8.1	8.1	7.3	6.0	4.2	1.9	0.6	0.2	1.2	2.1
80°	8.1	8.1	8.1	7.1	5.4	3.0	0.4	1.6	2.9	4.2	5.5
77.5°	8.1	8.1	8.1	6.9	4.8	2.7	2.5	4.0	5.7	7.3	7.3
75°	8.1	8.1	8.1	6.7	4.4	4.0	4.5	6.4	8.0	6.6	4.3
72.5°	8.1	8.1	8.1	6.5	5.1	5.2	6.5	8.0	6.9	4.7	1.4
70°	8.1	8.1	8.1	6.5	5.8	6.4	8.1	7.7	5.9	3.1	3.7
67.5°	8.1	8.1	8.1	6.8	6.5	7.6	8.3	7.5	5.3	6.3	7.2
65°	8.1	8.1	8.1	7.0	7.1	8.4	8.7	7.4	8.1	9.5	10.0
62.5°	8.1	8.1	8.1	7.3	7.6	9.0	9.1	9.2	10.9	12.3	11.2
60°	8.1	8.1	8.1	7.5	8.1	9.7	9.6	11.6	13.8	14.2	12.7
57.5°	8.1	8.1	8.2	7.7	8.9	10.5	11.6	14.1	16.1	16.3	15.9
55°	8.1	8.1	8.3	7.8	9.7	11.4	13.6	16.5	18.6	18.9	19.8
52.5°	8.1	8.1	8.5	8.0	10.6	12.5	15.7	18.8	21.2	22.4	23.6
50°	8.1	8.1	8.6	8.1	11.5	14.1	17.7	21.2	24.1	25.8	27.4
47.5°	8.1	8.1	8.9	8.3	12.4	15.7	19.6	23.4	27.2	29.2	31.2
45°	8.1	8.1	9.1	9.0	13.4	17.3	21.5	25.6	30.0	32.6	35.0
42.5°	8.1	8.1	9.4	9.8	14.4	18.9	23.4	28.1	33.0	36.0	42.4
40°	8.1	8.1	9.7	10.8	15.6	20.4	25.2	30.9	36.2	39.3	50.7
37.5°	8.1	8.1	10.0	11.9	16.7	21.9	26.9	33.7	39.6	44.7	59.0
35°	8.1	8.1	10.3	12.9	17.9	23.3	28.6	36.7	43.2	55.0	75.1
32.5°	8.1	8.1	10.7	14.0	18.9	24.6	30.5	39.7	46.9	67.0	107.3
30°	8.1	8.1	11.1	15.0	20.0	25.9	32.9	42.8	50.7	80.7	138.5
27.5°	8.1	8.1	11.5	16.0	21.3	27.2	35.4	46.0	57.5	95.9	168.7
25°	8.1	8.1	11.9	16.9	22.5	28.4	37.8	49.2	69.2	118.2	198.3
22.5°	8.1	8.1	12.4	17.9	23.8	29.6	40.1	52.4	81.6	142.6	237.5
20°	8.1	8.1	12.8	18.7	24.9	31.1	42.5	55.5	94.5	165.8	276.4
17.5°	8.1	8.1	13.3	19.6	26.1	32.5	44.8	58.7	107.6	187.7	314.6
15°	8.1	8.1	13.8	20.4	27.2	33.9	47.1	62.8	120.8	208.2	351.7
12.5°	8.1	8.1	14.2	21.2	28.2	35.2	49.2	68.5	135.4	227.2	387.3
10°	8.1	8.1	14.7	21.9	29.2	36.4	51.1	74.4	150.9	249.3	422.9
7.5°	8.1	8.1	15.1	22.6	30.1	37.6	52.8	80.4	165.7	270.8	460.4
5°	8.1	8.1	15.5	23.2	30.9	38.7	54.4	86.4	179.5	290.8	495.0
2.5°	8.1	8.1	15.9	23.8	31.8	39.7	55.7	92.2	192.0	309.0	525.9
0°	8.1	8.1	16.3	24.4	32.5	40.6	56.9	97.6	203.2	325.2	552.8
-2.5°	8.1	8.1	16.3	24.4	32.5	40.6	56.9	97.6	203.2	325.2	552.8
-5°	8.1	8.1	16.2	24.3	33.8	42.3	62.9	116.6	217.8	373.4	596.8
-7.5°	8.1	8.1	16.2	24.2	34.3	43.0	65.5	124.5	222.8	391.7	612.3
-10°	8.1	8.1	16.1	24.0	34.7	43.6	67.6	131.1	226.6	405.0	623.7
-12.5°	8.1	8.1	15.9	23.8	34.9	44.1	69.2	136.0	229.2	412.0	632.6
-15°	8.1	8.1	15.7	23.6	35.0	44.6	70.2	138.9	234.0	411.2	635.8
-17.5°	8.1	8.1	15.5	23.3	35.0	44.9	70.5	141.9	241.0	407.1	631.9
-20°	8.1	8.1	15.3	22.9	34.8	45.2	72.3	144.8	245.5	399.6	620.3

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA5E-730-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°	8.1	8.1	15.0	22.5	34.3	45.4	77.0	146.1	247.5	388.9	600.6
-25°	8.1	8.1	14.8	22.1	33.7	48.4	80.8	145.7	246.8	375.1	572.5
-27.5°	8.1	8.1	14.4	21.6	32.9	52.1	83.7	143.5	243.3	363.4	551.9
-30°	8.1	8.1	14.1	21.1	32.1	55.4	85.8	139.5	238.8	358.1	528.8
-32.5°	8.1	8.1	13.7	20.6	33.3	58.1	86.9	139.7	233.0	349.2	502.7
-35°	8.1	8.1	13.3	20.0	34.2	60.2	89.2	140.5	224.9	336.6	473.8
-37.5°	8.1	8.1	12.9	19.4	34.7	61.5	91.6	139.9	214.5	320.2	460.9
-40°	8.1	8.1	12.5	18.7	35.0	62.0	93.0	138.1	201.8	304.6	446.4
-42.5°	8.1	8.1	12.0	18.3	35.3	62.0	93.5	134.9	194.6	292.0	424.2
-45°	8.1	8.1	11.5	18.4	35.4	61.6	93.0	132.0	189.4	276.4	396.4
-47.5°	8.1	8.1	11.0	18.3	35.2	60.7	91.6	130.1	182.6	257.8	374.5
-50°	8.1	8.1	10.4	18.1	34.5	59.3	89.7	126.9	177.2	251.1	348.4
-52.5°	8.1	8.1	9.9	17.7	33.5	57.4	87.2	122.4	172.6	242.2	320.4
-55°	8.1	8.1	9.3	17.2	32.1	55.1	84.1	116.8	166.9	231.2	307.0
-57.5°	8.1	8.1	8.7	16.6	30.3	52.1	80.4	111.9	159.1	219.7	291.2
-60°	8.1	8.1	8.1	15.8	28.2	48.6	75.9	106.4	149.1	205.9	272.9
-62.5°	8.1	8.1	8.1	15.0	26.6	44.4	69.8	99.2	136.7	189.7	251.7
-65°	8.1	8.1	8.1	14.0	24.9	39.8	62.9	89.8	121.8	168.4	227.5
-67.5°	8.1	8.1	8.1	12.9	22.9	35.8	55.4	78.9	104.5	143.3	195.5
-70°	8.1	8.1	8.1	11.7	20.8	32.5	47.2	67.2	89.5	115.6	158.0
-72.5°	8.1	8.1	8.1	11.4	18.6	29.0	41.6	55.0	73.8	95.9	121.0
-75°	8.1	8.1	8.1	11.4	16.2	25.3	36.3	46.4	57.5	75.5	96.2
-77.5°	8.1	8.1	8.1	11.2	15.3	21.3	30.6	39.0	47.7	57.2	70.5
-80°	8.1	8.1	8.1	11.1	14.8	19.2	24.8	31.4	38.4	46.1	54.3
-82.5°	8.1	8.1	8.1	10.9	14.2	18.0	22.4	25.5	29.0	34.7	40.9
-85°	8.1	8.1	8.1	10.6	13.6	16.8	20.4	23.1	25.8	28.5	31.2
-87.5°	8.1	8.1	8.1	10.4	12.9	15.6	18.4	20.7	23.1	25.5	27.8
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	6.1	4.0	2.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	26.4	28.5	30.5
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°	2.4	2.1	1.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	5.3	4.3	2.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.6	2.3	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.7	0.1	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.3	2.3	2.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	4.6	5.0	3.3	1.3	0.0	0.4	1.2	0.9	0.0	0.4	1.0
67.5°	7.5	5.6	3.7	2.3	3.0	4.1	3.8	4.1	4.4	4.8	4.1
65°	7.9	6.0	6.1	7.1	8.0	8.8	9.5	10.0	8.4	7.3	7.5
62.5°	8.4	9.2	10.6	11.9	13.1	14.2	14.2	12.6	9.6	12.0	13.8
60°	12.1	13.3	15.0	16.6	18.2	19.1	18.3	18.4	20.5	23.8	45.7
57.5°	16.3	17.4	19.4	22.0	24.2	24.6	25.3	27.5	64.4	105.2	116.2
55°	20.5	21.4	24.9	28.9	31.2	31.0	44.6	94.0	141.8	196.5	216.7
52.5°	24.7	26.5	32.3	37.1	40.2	62.7	112.9	180.0	250.7	313.5	394.6
50°	28.9	34.8	40.8	47.9	76.4	135.0	208.5	300.1	406.6	506.9	609.7
47.5°	36.2	43.5	52.7	75.6	150.8	232.1	333.8	481.0	612.4	733.8	874.6
45°	44.7	60.1	70.3	149.7	237.1	342.0	514.1	694.2	813.4	975.9	1225.1
42.5°	53.5	83.2	134.3	226.2	332.7	501.8	715.2	868.7	1027.3	1290.7	1552.7
40°	77.0	111.5	202.6	312.0	446.8	693.4	912.5	1086.3	1302.9	1594.8	1868.4
37.5°	105.6	170.2	272.3	403.5	625.9	896.2	1130.9	1379.1	1628.0	1903.3	2410.8
35°	137.3	224.8	360.6	537.5	805.1	1121.1	1400.9	1678.2	1965.1	2507.1	3010.7
32.5°	178.7	275.0	452.9	693.4	998.8	1345.7	1670.5	1991.0	2451.2	3064.6	3570.0
30°	223.2	355.5	559.2	837.7	1181.2	1551.4	1941.9	2330.0	2939.0	3446.6	3995.3
27.5°	269.7	440.7	683.7	988.4	1352.0	1745.5	2186.2	2739.9	3283.1	3784.6	4387.5
25°	317.4	529.4	797.6	1132.6	1520.1	1955.3	2462.2	3136.6	3561.5	4115.7	4744.6
22.5°	378.8	614.2	910.4	1263.3	1675.8	2170.9	2817.3	3494.5	3994.6	4460.7	5075.1
20°	449.8	709.7	1033.1	1427.0	1828.4	2381.5	3170.4	3882.6	4470.9	5004.6	5568.9
17.5°	516.1	799.0	1164.4	1594.2	2050.4	2651.4	3516.9	4305.1	4952.4	5547.2	6251.8
15°	577.5	881.7	1292.9	1752.4	2268.6	2960.5	3827.6	4693.2	5432.4	6101.7	6902.3
12.5°	633.6	957.1	1416.8	1900.5	2474.0	3227.0	4088.5	4933.4	5745.8	6617.9	7526.5
10°	684.1	1025.0	1533.7	2037.2	2664.6	3452.4	4304.0	5133.7	5953.4	6876.3	7885.7
7.5°	738.4	1088.5	1639.9	2161.4	2837.9	3638.5	4476.2	5294.4	6121.1	7082.9	8119.2
5°	788.5	1146.8	1724.3	2250.4	2971.8	3783.8	4605.8	5416.4	6248.4	7236.8	8296.0
2.5°	832.5	1195.9	1793.0	2320.2	3071.1	3890.7	4690.0	5518.1	6342.8	7361.9	8431.0
0°	869.9	1235.7	1845.4	2373.8	3146.2	3967.2	4739.6	5585.0	6398.0	7446.7	8519.8
-2.5°	893.8	1301.0	1881.4	2467.3	3211.8	4017.3	4783.9	5603.8	6457.5	7473.5	8619.5
-5°	910.6	1353.8	1903.1	2539.4	3254.6	4039.4	4798.5	5589.3	6473.3	7466.8	8634.2
-7.5°	920.4	1391.1	1913.3	2580.4	3269.7	4026.2	4773.8	5561.7	6447.4	7441.2	8569.6
-10°	926.0	1402.8	1927.1	2568.0	3249.9	3982.6	4718.8	5497.2	6373.6	7358.1	8447.0
-12.5°	941.3	1395.4	1924.7	2540.7	3207.1	3916.8	4637.3	5394.9	6250.7	7216.3	8277.4
-15°	945.1	1378.6	1901.6	2500.5	3141.8	3830.7	4530.5	5254.7	6099.2	7078.1	8089.9
-17.5°	936.6	1353.3	1856.5	2449.2	3054.3	3726.2	4404.8	5128.4	5957.1	6918.8	7893.0
-20°	914.8	1320.5	1788.5	2388.5	2950.5	3610.2	4278.9	4995.9	5793.7	6697.6	7672.6

Classified

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

Scaled Data Report



REPORT NUMBER: P627750 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-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°	879.2	1280.9	1714.9	2303.9	2860.8	3477.0	4131.3	4815.5	5588.9	6410.9	7376.4
-25°	842.4	1236.1	1656.9	2187.6	2752.9	3321.5	3961.7	4594.8	5348.3	6155.6	7012.4
-27.5°	807.5	1173.6	1596.6	2060.2	2625.8	3155.4	3770.0	4387.5	5077.8	5869.0	6657.9
-30°	761.8	1106.1	1523.0	1937.7	2473.9	2999.0	3556.2	4163.9	4784.6	5535.5	6311.6
-32.5°	721.5	1036.0	1439.2	1844.4	2310.7	2822.7	3325.7	3904.9	4510.7	5150.7	5917.7
-35°	694.6	994.5	1350.5	1736.6	2144.1	2631.1	3109.4	3612.7	4199.5	4800.1	5473.5
-37.5°	672.8	946.8	1257.0	1624.2	2012.1	2430.1	2877.9	3340.9	3852.9	4458.6	5091.7
-40°	638.5	893.1	1187.7	1517.2	1859.4	2239.5	2655.2	3074.3	3518.1	4109.7	4734.4
-42.5°	594.5	841.1	1122.4	1400.7	1713.3	2060.3	2429.8	2824.5	3251.0	3764.9	4339.1
-45°	560.6	774.7	1049.9	1299.1	1557.9	1875.2	2222.2	2579.7	2982.0	3423.2	3938.9
-47.5°	517.6	702.4	955.0	1187.9	1415.9	1686.7	2004.0	2342.5	2698.8	3096.3	3519.0
-50°	471.6	642.0	838.9	1065.6	1283.0	1508.3	1778.9	2091.8	2415.2	2761.7	3138.8
-52.5°	436.7	571.5	751.2	939.9	1147.2	1351.5	1581.9	1850.2	2139.0	2428.5	2760.3
-55°	397.3	519.6	667.7	836.9	1013.3	1202.4	1412.2	1647.3	1882.7	2148.7	2413.4
-57.5°	369.5	469.6	597.9	745.0	903.5	1064.2	1262.3	1460.9	1678.8	1899.0	2118.6
-60°	347.8	426.5	532.9	662.4	803.7	953.9	1116.4	1300.0	1487.6	1667.3	1857.1
-62.5°	322.9	391.4	474.6	580.2	707.9	838.6	981.7	1138.9	1308.7	1460.0	1607.1
-65°	290.8	350.3	421.7	507.7	607.9	718.4	840.3	972.9	1119.6	1242.4	1362.6
-67.5°	253.9	304.0	363.9	434.1	517.7	603.9	693.4	805.5	924.6	1024.8	1122.8
-70°	207.5	253.9	302.8	360.1	425.6	498.7	577.4	658.8	740.3	822.1	911.7
-72.5°	158.9	201.1	242.6	283.4	335.6	395.5	459.7	527.9	599.1	669.1	737.1
-75°	121.1	148.5	184.8	221.6	257.8	296.8	340.3	394.5	460.6	528.5	590.7
-77.5°	91.4	114.4	138.6	163.9	186.8	215.5	246.9	280.6	335.2	397.9	461.1
-80°	65.9	79.7	99.0	119.4	135.5	151.3	167.8	184.8	225.4	275.9	329.7
-82.5°	48.9	58.3	69.0	80.9	89.0	96.9	105.7	117.0	147.1	181.2	217.1
-85°	33.7	36.5	42.2	48.8	53.4	58.0	62.7	67.5	83.7	101.9	121.4
-87.5°	29.1	30.5	32.0	33.7	34.3	34.8	35.3	35.9	41.3	47.0	53.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627750 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	32.5	34.5	36.6	38.6	40.6	42.7	44.7	46.8	48.8	48.8	48.8
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°	0.7	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3.7	4.1	4.2	3.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0
65°	8.5	8.2	6.1	3.9	1.9	3.1	4.9	5.9	5.9	5.3	4.1
62.5°	12.9	11.8	10.7	12.4	14.8	17.1	16.4	15.5	14.5	13.8	14.3
60°	48.1	32.1	37.1	46.6	43.5	29.8	49.0	55.4	47.2	32.3	31.2
57.5°	121.9	117.6	134.7	196.9	216.7	197.4	235.9	286.4	284.8	245.3	244.0
55°	259.6	348.3	455.4	472.8	547.3	696.7	812.9	762.0	761.6	800.0	923.5
52.5°	493.2	576.9	608.1	691.2	847.0	960.0	1032.7	1107.9	1190.3	1274.4	1359.6
50°	723.7	805.0	897.3	982.5	1198.1	1314.1	1294.8	1450.5	1649.8	1774.3	1838.3
47.5°	1061.5	1189.6	1384.7	1690.3	1851.2	1967.5	2112.2	2288.6	2517.0	2826.7	3065.3
45°	1459.3	1660.8	1962.6	2287.2	2536.9	2650.7	2816.2	3089.5	3453.6	3808.1	4067.0
42.5°	1784.4	2060.8	2401.3	2711.4	2915.1	3101.9	3316.3	3546.7	3963.8	4342.4	4641.7
40°	2208.8	2424.1	2805.9	3098.3	3280.6	3465.9	3805.6	4150.4	4542.6	4895.4	5140.6
37.5°	2746.5	2988.8	3386.0	3716.7	3892.3	3957.8	4535.4	5015.4	5334.2	5784.6	5931.9
35°	3324.2	3723.0	4229.1	4657.9	4830.1	5173.6	5768.7	6438.5	7164.3	7431.2	7658.7
32.5°	3968.7	4460.7	5147.5	5607.6	5853.3	6374.7	7127.9	7842.8	8791.7	9306.7	9460.7
30°	4558.4	5122.9	5713.2	6160.5	6580.4	7208.4	7895.2	8776.7	9654.2	10312.7	10517.2
27.5°	4991.0	5615.7	6183.2	6602.1	7076.0	7753.0	8609.4	9502.1	10363.4	11035.2	11273.9
25°	5404.0	6110.1	6559.6	7046.5	7603.0	8340.8	9289.8	10281.7	11130.1	11697.9	11990.7
22.5°	5873.9	6570.1	7052.5	7465.0	8192.5	9042.8	9923.6	11044.5	11943.3	12396.4	12713.7
20°	6358.8	7146.5	7891.6	8275.4	8904.9	9981.4	10967.5	12025.6	12893.6	13365.7	13700.0
17.5°	7035.4	8039.2	8953.1	9496.5	10170.6	11457.8	12688.2	13758.6	14966.0	15392.5	15801.1
15°	7748.8	8910.6	9981.2	10842.0	11712.8	12988.1	14572.0	15863.7	17241.5	17856.8	18552.3
12.5°	8460.0	9559.3	10529.3	11639.7	12867.0	13995.2	15503.2	17111.6	18361.8	19146.5	19614.8
10°	8991.5	10012.6	10946.0	12059.1	13284.1	14560.2	16058.7	17707.5	19016.2	19685.8	20068.0
7.5°	9278.5	10255.8	11240.3	12368.3	13587.7	14946.9	16490.8	18126.6	19464.8	20113.6	20491.0
5°	9491.6	10430.2	11449.6	12637.0	13870.1	15248.2	16789.9	18406.3	19626.4	20315.9	20793.2
2.5°	9620.6	10540.8	11583.0	12810.7	14046.8	15482.1	17098.4	18773.8	19841.4	20396.1	20835.0
0°	9658.0	10584.7	11657.8	12901.7	14169.9	15617.0	17218.5	18876.9	19958.2	20494.7	20941.8
-2.5°	9700.0	10654.3	11756.8	12960.6	14218.1	15661.1	17295.9	18911.9	19884.5	20425.9	20851.3
-5°	9670.7	10659.6	11758.8	12911.9	14177.6	15609.1	17178.5	18689.5	19706.9	20292.2	20715.2
-7.5°	9583.2	10586.2	11674.0	12782.2	14023.8	15471.5	17034.3	18489.3	19520.0	20137.2	20600.0
-10°	9455.9	10429.6	11525.0	12647.2	13874.0	15252.0	16790.8	18237.1	19223.5	19878.9	20418.3
-12.5°	9314.7	10268.3	11324.0	12400.6	13613.8	14974.9	16465.7	17834.8	18815.5	19530.4	19915.8
-15°	9105.6	10058.6	11067.9	12109.2	13291.8	14612.2	16036.3	17349.8	18312.8	18894.5	19320.4
-17.5°	8839.6	9774.7	10731.5	11719.2	12833.3	14133.6	15566.5	16861.9	17646.9	18166.4	18585.1
-20°	8554.7	9419.4	10326.0	11257.9	12337.8	13625.9	15033.0	16163.0	16902.9	17402.1	17797.4



REPORT NUMBER: P627750 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-730-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°	8229.2	9062.0	9891.8	10782.7	11841.6	13022.5	14265.5	15357.4	16152.9	16607.6	16972.9
-25°	7857.8	8667.8	9455.9	10316.3	11289.4	12351.0	13506.7	14579.7	15292.2	15775.1	16137.4
-27.5°	7457.7	8218.7	8988.5	9761.2	10636.1	11693.7	12764.0	13760.9	14369.0	14855.8	15220.2
-30°	7058.4	7742.9	8455.1	9186.6	10007.7	10961.4	11962.5	12800.7	13442.1	13915.0	14253.4
-32.5°	6625.6	7275.2	7906.1	8589.8	9362.9	10203.4	11082.1	11879.4	12564.7	12997.9	13283.0
-35°	6182.4	6811.2	7388.7	8009.2	8691.1	9416.5	10227.5	11013.9	11690.7	12033.4	12311.3
-37.5°	5720.7	6347.7	6895.2	7413.7	8001.1	8672.8	9462.6	10213.0	10797.7	11092.3	11342.8
-40°	5319.3	5871.3	6364.1	6860.2	7337.8	7934.3	8671.4	9397.8	9866.9	10154.1	10386.8
-42.5°	4929.5	5395.2	5798.8	6243.4	6721.4	7309.5	7904.3	8513.4	8890.5	9209.1	9454.2
-45°	4475.6	4891.9	5270.3	5640.2	6076.1	6612.9	7153.3	7641.2	7994.3	8302.3	8541.0
-47.5°	3973.6	4375.4	4742.9	5073.6	5478.8	5926.5	6381.5	6787.5	7136.3	7440.6	7653.6
-50°	3505.8	3864.8	4223.6	4558.2	4909.3	5271.6	5640.6	5997.0	6328.0	6623.8	6805.0
-52.5°	3086.6	3417.9	3731.5	4024.1	4331.3	4637.4	4943.0	5269.3	5574.0	5853.9	5998.6
-55°	2707.4	3006.1	3289.1	3535.6	3782.1	4024.8	4286.8	4588.1	4868.6	5127.9	5231.7
-57.5°	2367.0	2622.6	2873.0	3081.5	3282.7	3475.8	3705.8	3960.1	4205.6	4427.9	4512.8
-60°	2053.9	2256.7	2466.1	2651.1	2826.4	2992.0	3192.6	3397.4	3596.5	3764.0	3836.4
-62.5°	1765.9	1939.4	2098.1	2248.4	2396.9	2546.0	2707.8	2870.3	3031.1	3160.2	3225.5
-65°	1488.2	1626.3	1753.9	1877.4	1997.4	2122.6	2249.3	2372.8	2491.8	2584.1	2640.7
-67.5°	1227.5	1332.5	1433.7	1530.0	1630.4	1731.9	1831.0	1925.6	2015.0	2086.3	2140.4
-70°	996.5	1077.7	1156.9	1236.7	1320.4	1399.3	1474.0	1544.8	1611.3	1662.7	1704.4
-72.5°	803.2	869.2	937.5	1009.4	1077.1	1136.1	1189.7	1241.4	1290.9	1320.0	1341.7
-75°	647.6	703.1	762.6	820.7	877.2	922.1	961.4	999.6	1036.3	1038.2	1030.9
-77.5°	523.1	572.7	618.8	664.4	709.6	737.2	761.3	786.2	811.2	796.7	773.7
-80°	383.9	425.2	464.3	503.6	542.9	559.3	570.7	580.6	588.9	569.9	546.4
-82.5°	254.8	280.8	306.2	332.1	358.3	368.8	376.6	383.1	388.2	371.0	351.2
-85°	142.2	154.7	167.0	179.4	191.8	199.1	205.8	211.9	217.6	207.3	195.8
-87.5°	59.1	61.9	64.7	67.4	70.1	72.7	75.3	77.8	80.2	80.5	80.8
-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: P627750 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-730-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°	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	46.8
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	0.0	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°	2.4	0.4	0.0	0.0	0.0	0.4	2.4	4.1	5.3	5.9	5.9
62.5°	14.9	15.6	16.1	16.3	16.1	15.6	14.9	14.3	13.8	14.5	15.5
60°	28.7	25.2	24.3	24.4	24.3	25.2	28.7	31.2	32.3	47.2	55.4
57.5°	225.4	192.9	197.8	219.5	197.8	192.9	225.4	244.0	245.3	284.8	286.4
55°	1053.2	1175.7	1219.0	1195.1	1219.0	1175.7	1053.2	923.5	800.0	761.6	762.0
52.5°	1426.9	1477.2	1496.5	1495.8	1496.5	1477.2	1426.9	1359.6	1274.4	1190.3	1107.9
50°	1857.6	1840.7	1814.5	1788.5	1814.5	1840.7	1857.6	1838.3	1774.3	1649.8	1450.5
47.5°	3100.2	3046.5	3023.9	3064.9	3023.9	3046.5	3100.2	3065.3	2826.7	2517.0	2288.6
45°	4119.8	4182.7	4229.7	4227.4	4229.7	4182.7	4119.8	4067.0	3808.1	3453.6	3089.5
42.5°	4700.4	4733.9	4743.6	4731.4	4743.6	4733.9	4700.4	4641.7	4342.4	3963.8	3546.7
40°	5217.7	5257.7	5280.2	5300.5	5280.2	5257.7	5217.7	5140.6	4895.4	4542.6	4150.4
37.5°	5980.5	5995.1	5963.2	5942.7	5963.2	5995.1	5980.5	5931.9	5784.6	5334.2	5015.4
35°	7850.6	7888.9	7800.2	7893.8	7800.2	7888.9	7850.6	7658.7	7431.2	7164.3	6438.5
32.5°	9644.0	9823.5	9968.7	10088.8	9968.7	9823.5	9644.0	9460.7	9306.7	8791.7	7842.8
30°	10660.0	10775.8	10838.0	10853.0	10838.0	10775.8	10660.0	10517.2	10312.7	9654.2	8776.7
27.5°	11405.9	11527.3	11602.9	11657.8	11602.9	11527.3	11405.9	11273.9	11035.2	10363.4	9502.1
25°	12124.8	12235.8	12311.3	12340.7	12311.3	12235.8	12124.8	11990.7	11697.9	11130.1	10281.7
22.5°	12870.8	12947.9	13020.5	13056.1	13020.5	12947.9	12870.8	12713.7	12396.4	11943.3	11044.5
20°	13940.2	13898.2	13964.5	13942.3	13964.5	13898.2	13940.2	13700.0	13365.7	12893.6	12025.6
17.5°	16119.6	16142.2	16186.5	16259.2	16186.5	16142.2	16119.6	15801.1	15392.5	14966.0	13758.6
15°	18860.5	18915.6	19195.9	19446.0	19195.9	18915.6	18860.5	18552.3	17856.8	17241.5	15863.7
12.5°	20049.3	20240.2	20269.8	20340.3	20269.8	20240.2	20049.3	19614.8	19146.5	18361.8	17111.6
10°	20446.1	20776.6	20769.5	20852.4	20769.5	20776.6	20446.1	20068.0	19685.8	19016.2	17707.5
7.5°	20747.0	21102.0	21252.0	21315.8	21252.0	21102.0	20747.0	20491.0	20113.6	19464.8	18126.6
5°	21114.6	21309.8	21568.7	21494.7	21568.7	21309.8	21114.6	20793.2	20315.9	19626.4	18406.3
2.5°	21268.7	21574.5	21503.9	21576.0	21503.9	21574.5	21268.7	20835.0	20396.1	19841.4	18773.8
0°	21372.7	21592.2	21624.7	21697.9	21624.7	21592.2	21372.7	20941.8	20494.7	19958.2	18876.9
-2.5°	21246.6	21439.8	21778.1	21673.5	21778.1	21439.8	21246.6	20851.3	20425.9	19884.5	18911.9
-5°	21136.1	21611.6	21426.9	21657.3	21426.9	21611.6	21136.1	20715.2	20292.2	19706.9	18689.5
-7.5°	21079.0	21164.1	21286.6	21462.1	21286.6	21164.1	21079.0	20600.0	20137.2	19520.0	18489.3
-10°	20637.8	20724.8	20949.9	21071.9	20949.9	20724.8	20637.8	20418.3	19878.9	19223.5	18237.1
-12.5°	20159.3	20327.6	20564.1	20641.1	20564.1	20327.6	20159.3	19915.8	19530.4	18815.5	17834.8
-15°	19608.0	19858.1	20088.6	20137.0	20088.6	19858.1	19608.0	19320.4	18894.5	18312.8	17349.8
-17.5°	18907.0	19206.9	19449.2	19502.9	19449.2	19206.9	18907.0	18585.1	18166.4	17646.9	16861.9
-20°	18134.6	18421.8	18627.9	18689.9	18627.9	18421.8	18134.6	17797.4	17402.1	16902.9	16163.0



REPORT NUMBER: P627750 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-730-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°	17307.7	17566.3	17740.5	17714.4	17740.5	17566.3	17307.7	16972.9	16607.6	16152.9	15357.4
-25°	16429.7	16669.7	16835.7	16812.0	16835.7	16669.7	16429.7	16137.4	15775.1	15292.2	14579.7
-27.5°	15501.5	15728.9	15888.3	15893.4	15888.3	15728.9	15501.5	15220.2	14855.8	14369.0	13760.9
-30°	14526.1	14732.7	14862.2	14812.1	14862.2	14732.7	14526.1	14253.4	13915.0	13442.1	12800.7
-32.5°	13520.1	13706.9	13825.7	13861.0	13825.7	13706.9	13520.1	13283.0	12997.9	12564.7	11879.4
-35°	12527.9	12692.5	12795.1	12820.4	12795.1	12692.5	12527.9	12311.3	12033.4	11690.7	11013.9
-37.5°	11542.0	11683.7	11755.3	11722.9	11755.3	11683.7	11542.0	11342.8	11092.3	10797.7	10213.0
-40°	10567.8	10702.7	10784.7	10804.2	10784.7	10702.7	10567.8	10386.8	10154.1	9866.9	9397.8
-42.5°	9609.9	9722.1	9794.1	9828.7	9794.1	9722.1	9609.9	9454.2	9209.1	8890.5	8513.4
-45°	8680.4	8780.6	8848.2	8885.7	8848.2	8780.6	8680.4	8541.0	8302.3	7994.3	7641.2
-47.5°	7775.9	7863.8	7922.1	7950.7	7922.1	7863.8	7775.9	7653.6	7440.6	7136.3	6787.5
-50°	6911.0	6987.2	7041.5	7072.8	7041.5	6987.2	6911.0	6805.0	6623.8	6328.0	5997.0
-52.5°	6090.8	6157.3	6203.6	6227.3	6203.6	6157.3	6090.8	5998.6	5853.9	5574.0	5269.3
-55°	5307.5	5361.5	5404.3	5430.6	5404.3	5361.5	5307.5	5231.7	5127.9	4868.6	4588.1
-57.5°	4577.2	4621.3	4661.9	4690.8	4661.9	4621.3	4577.2	4512.8	4427.9	4205.6	3960.1
-60°	3893.5	3935.1	3969.6	3991.6	3969.6	3935.1	3893.5	3836.4	3764.0	3596.5	3397.4
-62.5°	3276.6	3313.4	3345.1	3365.7	3345.1	3313.4	3276.6	3225.5	3160.2	3031.1	2870.3
-65°	2685.2	2718.2	2741.8	2755.9	2741.8	2718.2	2685.2	2640.7	2584.1	2491.8	2372.8
-67.5°	2186.6	2224.7	2232.2	2227.5	2232.2	2224.7	2186.6	2140.4	2086.3	2015.0	1925.6
-70°	1741.6	1773.8	1781.4	1780.4	1781.4	1773.8	1741.6	1704.4	1662.7	1611.3	1544.8
-72.5°	1361.8	1379.4	1364.4	1341.4	1364.4	1379.4	1361.8	1341.7	1320.0	1290.9	1241.4
-75°	1021.9	1010.7	994.9	975.6	994.9	1010.7	1021.9	1030.9	1038.2	1036.3	999.6
-77.5°	748.4	720.7	702.6	682.9	702.6	720.7	748.4	773.7	796.7	811.2	786.2
-80°	521.1	494.0	475.2	455.3	475.2	494.0	521.1	546.4	569.9	588.9	580.6
-82.5°	330.1	307.7	296.4	284.5	296.4	307.7	330.1	351.2	371.0	388.2	383.1
-85°	183.3	170.1	162.5	154.5	162.5	170.1	183.3	195.8	207.3	217.6	211.9
-87.5°	81.0	81.2	77.2	73.2	77.2	81.2	81.0	80.8	80.5	80.2	77.8
-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: P627750 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	44.7	42.7	40.6	38.6	36.6	34.5	32.5	30.5	28.5	26.4	24.4
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	0.3	0.2	0.0	0.0	0.7	1.0	0.4	0.0	0.9
67.5°	0.0	0.0	1.4	3.3	4.2	4.1	3.7	4.1	4.8	4.4	4.1
65°	4.9	3.1	1.9	3.9	6.1	8.2	8.5	7.5	7.3	8.4	10.0
62.5°	16.4	17.1	14.8	12.4	10.7	11.8	12.9	13.8	12.0	9.6	12.6
60°	49.0	29.8	43.5	46.6	37.1	32.1	48.1	45.7	23.8	20.5	18.4
57.5°	235.9	197.4	216.7	196.9	134.7	117.6	121.9	116.2	105.2	64.4	27.5
55°	812.9	696.7	547.3	472.8	455.4	348.3	259.6	216.7	196.5	141.8	94.0
52.5°	1032.7	960.0	847.0	691.2	608.1	576.9	493.2	394.6	313.5	250.7	180.0
50°	1294.8	1314.1	1198.1	982.5	897.3	805.0	723.7	609.7	506.9	406.6	300.1
47.5°	2112.2	1967.5	1851.2	1690.3	1384.7	1189.6	1061.5	874.6	733.8	612.4	481.0
45°	2816.2	2650.7	2536.9	2287.2	1962.6	1660.8	1459.3	1225.1	975.9	813.4	694.2
42.5°	3316.3	3101.9	2915.1	2711.4	2401.3	2060.8	1784.4	1552.7	1290.7	1027.3	868.7
40°	3805.6	3465.9	3280.6	3098.3	2805.9	2424.1	2208.8	1868.4	1594.8	1302.9	1086.3
37.5°	4535.4	3957.8	3892.3	3716.7	3386.0	2988.8	2746.5	2410.8	1903.3	1628.0	1379.1
35°	5768.7	5173.6	4830.1	4657.9	4229.1	3723.0	3324.2	3010.7	2507.1	1965.1	1678.2
32.5°	7127.9	6374.7	5853.3	5607.6	5147.5	4460.7	3968.7	3570.0	3064.6	2451.2	1991.0
30°	7895.2	7208.4	6580.4	6160.5	5713.2	5122.9	4558.4	3995.3	3446.6	2939.0	2330.0
27.5°	8609.4	7753.0	7076.0	6602.1	6183.2	5615.7	4991.0	4387.5	3784.6	3283.1	2739.9
25°	9289.8	8340.8	7603.0	7046.5	6559.6	6110.1	5404.0	4744.6	4115.7	3561.5	3136.6
22.5°	9923.6	9042.8	8192.5	7465.0	7052.5	6570.1	5873.9	5075.1	4460.7	3994.6	3494.5
20°	10967.5	9981.4	8904.9	8275.4	7891.6	7146.5	6358.8	5568.9	5004.6	4470.9	3882.6
17.5°	12688.2	11457.8	10170.6	9496.5	8953.1	8039.2	7035.4	6251.8	5547.2	4952.4	4305.1
15°	14572.0	12988.1	11712.8	10842.0	9981.2	8910.6	7748.8	6902.3	6101.7	5432.4	4693.2
12.5°	15503.2	13995.2	12867.0	11639.7	10529.3	9559.3	8460.0	7526.5	6617.9	5745.8	4933.4
10°	16058.7	14560.2	13284.1	12059.1	10946.0	10012.6	8991.5	7885.7	6876.3	5953.4	5133.7
7.5°	16490.8	14946.9	13587.7	12368.3	11240.3	10255.8	9278.5	8119.2	7082.9	6121.1	5294.4
5°	16789.9	15248.2	13870.1	12637.0	11449.6	10430.2	9491.6	8296.0	7236.8	6248.4	5416.4
2.5°	17098.4	15482.1	14046.8	12810.7	11583.0	10540.8	9620.6	8431.0	7361.9	6342.8	5518.1
0°	17218.5	15617.0	14169.9	12901.7	11657.8	10584.7	9658.0	8519.8	7446.7	6398.0	5585.0
-2.5°	17295.9	15661.1	14218.1	12960.6	11756.8	10654.3	9700.0	8619.5	7473.5	6457.5	5603.8
-5°	17178.5	15609.1	14177.6	12911.9	11758.8	10659.6	9670.7	8634.2	7466.8	6473.3	5589.3
-7.5°	17034.3	15471.5	14023.8	12782.2	11674.0	10586.2	9583.2	8569.6	7441.2	6447.4	5561.7
-10°	16790.8	15252.0	13874.0	12647.2	11525.0	10429.6	9455.9	8447.0	7358.1	6373.6	5497.2
-12.5°	16465.7	14974.9	13613.8	12400.6	11324.0	10268.3	9314.7	8277.4	7216.3	6250.7	5394.9
-15°	16036.3	14612.2	13291.8	12109.2	11067.9	10058.6	9105.6	8089.9	7078.1	6099.2	5254.7
-17.5°	15566.5	14133.6	12833.3	11719.2	10731.5	9774.7	8839.6	7893.0	6918.8	5957.1	5128.4
-20°	15033.0	13625.9	12337.8	11257.9	10326.0	9419.4	8554.7	7672.6	6697.6	5793.7	4995.9



REPORT NUMBER: P627750 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-730-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°	14265.5	13022.5	11841.6	10782.7	9891.8	9062.0	8229.2	7376.4	6410.9	5588.9	4815.5
-25°	13506.7	12351.0	11289.4	10316.3	9455.9	8667.8	7857.8	7012.4	6155.6	5348.3	4594.8
-27.5°	12764.0	11693.7	10636.1	9761.2	8988.5	8218.7	7457.7	6657.9	5869.0	5077.8	4387.5
-30°	11962.5	10961.4	10007.7	9186.6	8455.1	7742.9	7058.4	6311.6	5535.5	4784.6	4163.9
-32.5°	11082.1	10203.4	9362.9	8589.8	7906.1	7275.2	6625.6	5917.7	5150.7	4510.7	3904.9
-35°	10227.5	9416.5	8691.1	8009.2	7388.7	6811.2	6182.4	5473.5	4800.1	4199.5	3612.7
-37.5°	9462.6	8672.8	8001.1	7413.7	6895.2	6347.7	5720.7	5091.7	4458.6	3852.9	3340.9
-40°	8671.4	7934.3	7337.8	6860.2	6364.1	5871.3	5319.3	4734.4	4109.7	3518.1	3074.3
-42.5°	7904.3	7309.5	6721.4	6243.4	5798.8	5395.2	4929.5	4339.1	3764.9	3251.0	2824.5
-45°	7153.3	6612.9	6076.1	5640.2	5270.3	4891.9	4475.6	3938.9	3423.2	2982.0	2579.7
-47.5°	6381.5	5926.5	5478.8	5073.6	4742.9	4375.4	3973.6	3519.0	3096.3	2698.8	2342.5
-50°	5640.6	5271.6	4909.3	4558.2	4223.6	3864.8	3505.8	3138.8	2761.7	2415.2	2091.8
-52.5°	4943.0	4637.4	4331.3	4024.1	3731.5	3417.9	3086.6	2760.3	2428.5	2139.0	1850.2
-55°	4286.8	4024.8	3782.1	3535.6	3289.1	3006.1	2707.4	2413.4	2148.7	1882.7	1647.3
-57.5°	3705.8	3475.8	3282.7	3081.5	2873.0	2622.6	2367.0	2118.6	1899.0	1678.8	1460.9
-60°	3192.6	2992.0	2826.4	2651.1	2466.1	2256.7	2053.9	1857.1	1667.3	1487.6	1300.0
-62.5°	2707.8	2546.0	2396.9	2248.4	2098.1	1939.4	1765.9	1607.1	1460.0	1308.7	1138.9
-65°	2249.3	2122.6	1997.4	1877.4	1753.9	1626.3	1488.2	1362.6	1242.4	1119.6	972.9
-67.5°	1831.0	1731.9	1630.4	1530.0	1433.7	1332.5	1227.5	1122.8	1024.8	924.6	805.5
-70°	1474.0	1399.3	1320.4	1236.7	1156.9	1077.7	996.5	911.7	822.1	740.3	658.8
-72.5°	1189.7	1136.1	1077.1	1009.4	937.5	869.2	803.2	737.1	669.1	599.1	527.9
-75°	961.4	922.1	877.2	820.7	762.6	703.1	647.6	590.7	528.5	460.6	394.5
-77.5°	761.3	737.2	709.6	664.4	618.8	572.7	523.1	461.1	397.9	335.2	280.6
-80°	570.7	559.3	542.9	503.6	464.3	425.2	383.9	329.7	275.9	225.4	184.8
-82.5°	376.6	368.8	358.3	332.1	306.2	280.8	254.8	217.1	181.2	147.1	117.0
-85°	205.8	199.1	191.8	179.4	167.0	154.7	142.2	121.4	101.9	83.7	67.5
-87.5°	75.3	72.7	70.1	67.4	64.7	61.9	59.1	53.0	47.0	41.3	35.9
-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: P627750 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-730-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°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	22.4	20.4	18.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	4.3
85°	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.5	1.3	2.4
82.5°	0.0	0.0	0.0	0.1	1.3	2.1	2.4	2.1	1.2	0.2	0.6
80°	0.0	0.0	0.0	0.2	2.0	4.3	5.3	5.5	4.2	2.9	1.6
77.5°	0.0	0.0	0.0	0.1	0.8	2.3	4.6	7.3	7.3	5.7	4.0
75°	0.0	0.0	0.0	0.3	0.5	0.1	1.7	4.3	6.6	8.0	6.4
72.5°	0.0	0.0	0.0	1.0	2.2	2.3	1.3	1.4	4.7	6.9	8.0
70°	1.2	0.4	0.0	1.3	3.3	5.0	4.6	3.7	3.1	5.9	7.7
67.5°	3.8	4.1	3.0	2.3	3.7	5.6	7.5	7.2	6.3	5.3	7.5
65°	9.5	8.8	8.0	7.1	6.1	6.0	7.9	10.0	9.5	8.1	7.4
62.5°	14.2	14.2	13.1	11.9	10.6	9.2	8.4	11.2	12.3	10.9	9.2
60°	18.3	19.1	18.2	16.6	15.0	13.3	12.1	12.7	14.2	13.8	11.6
57.5°	25.3	24.6	24.2	22.0	19.4	17.4	16.3	15.9	16.3	16.1	14.1
55°	44.6	31.0	31.2	28.9	24.9	21.4	20.5	19.8	18.9	18.6	16.5
52.5°	112.9	62.7	40.2	37.1	32.3	26.5	24.7	23.6	22.4	21.2	18.8
50°	208.5	135.0	76.4	47.9	40.8	34.8	28.9	27.4	25.8	24.1	21.2
47.5°	333.8	232.1	150.8	75.6	52.7	43.5	36.2	31.2	29.2	27.2	23.4
45°	514.1	342.0	237.1	149.7	70.3	60.1	44.7	35.0	32.6	30.0	25.6
42.5°	715.2	501.8	332.7	226.2	134.3	83.2	53.5	42.4	36.0	33.0	28.1
40°	912.5	693.4	446.8	312.0	202.6	111.5	77.0	50.7	39.3	36.2	30.9
37.5°	1130.9	896.2	625.9	403.5	272.3	170.2	105.6	59.0	44.7	39.6	33.7
35°	1400.9	1121.1	805.1	537.5	360.6	224.8	137.3	75.1	55.0	43.2	36.7
32.5°	1670.5	1345.7	998.8	693.4	452.9	275.0	178.7	107.3	67.0	46.9	39.7
30°	1941.9	1551.4	1181.2	837.7	559.2	355.5	223.2	138.5	80.7	50.7	42.8
27.5°	2186.2	1745.5	1352.0	988.4	683.7	440.7	269.7	168.7	95.9	57.5	46.0
25°	2462.2	1955.3	1520.1	1132.6	797.6	529.4	317.4	198.3	118.2	69.2	49.2
22.5°	2817.3	2170.9	1675.8	1263.3	910.4	614.2	378.8	237.5	142.6	81.6	52.4
20°	3170.4	2381.5	1828.4	1427.0	1033.1	709.7	449.8	276.4	165.8	94.5	55.5
17.5°	3516.9	2651.4	2050.4	1594.2	1164.4	799.0	516.1	314.6	187.7	107.6	58.7
15°	3827.6	2960.5	2268.6	1752.4	1292.9	881.7	577.5	351.7	208.2	120.8	62.8
12.5°	4088.5	3227.0	2474.0	1900.5	1416.8	957.1	633.6	387.3	227.2	135.4	68.5
10°	4304.0	3452.4	2664.6	2037.2	1533.7	1025.0	684.1	422.9	249.3	150.9	74.4
7.5°	4476.2	3638.5	2837.9	2161.4	1639.9	1088.5	738.4	460.4	270.8	165.7	80.4
5°	4605.8	3783.8	2971.8	2250.4	1724.3	1146.8	788.5	495.0	290.8	179.5	86.4
2.5°	4690.0	3890.7	3071.1	2320.2	1793.0	1195.9	832.5	525.9	309.0	192.0	92.2
0°	4739.6	3967.2	3146.2	2373.8	1845.4	1235.7	869.9	552.8	325.2	203.2	97.6
-2.5°	4783.9	4017.3	3211.8	2467.3	1881.4	1301.0	893.8	577.0	350.9	211.3	107.5
-5°	4798.5	4039.4	3254.6	2539.4	1903.1	1353.8	910.6	596.8	373.4	217.8	116.6
-7.5°	4773.8	4026.2	3269.7	2580.4	1913.3	1391.1	920.4	612.3	391.7	222.8	124.5
-10°	4718.8	3982.6	3249.9	2568.0	1927.1	1402.8	926.0	623.7	405.0	226.6	131.1
-12.5°	4637.3	3916.8	3207.1	2540.7	1924.7	1395.4	941.3	632.6	412.0	229.2	136.0
-15°	4530.5	3830.7	3141.8	2500.5	1901.6	1378.6	945.1	635.8	411.2	234.0	138.9
-17.5°	4404.8	3726.2	3054.3	2449.2	1856.5	1353.3	936.6	631.9	407.1	241.0	141.9
-20°	4278.9	3610.2	2950.5	2388.5	1788.5	1320.5	914.8	620.3	399.6	245.5	144.8



REPORT NUMBER: P627750 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-730-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°	4131.3	3477.0	2860.8	2303.9	1714.9	1280.9	879.2	600.6	388.9	247.5	146.1
-25°	3961.7	3321.5	2752.9	2187.6	1656.9	1236.1	842.4	572.5	375.1	246.8	145.7
-27.5°	3770.0	3155.4	2625.8	2060.2	1596.6	1173.6	807.5	551.9	363.4	243.3	143.5
-30°	3556.2	2999.0	2473.9	1937.7	1523.0	1106.1	761.8	528.8	358.1	238.8	139.5
-32.5°	3325.7	2822.7	2310.7	1844.4	1439.2	1036.0	721.5	502.7	349.2	233.0	139.7
-35°	3109.4	2631.1	2144.1	1736.6	1350.5	994.5	694.6	473.8	336.6	224.9	140.5
-37.5°	2877.9	2430.1	2012.1	1624.2	1257.0	946.8	672.8	460.9	320.2	214.5	139.9
-40°	2655.2	2239.5	1859.4	1517.2	1187.7	893.1	638.5	446.4	304.6	201.8	138.1
-42.5°	2429.8	2060.3	1713.3	1400.7	1122.4	841.1	594.5	424.2	292.0	194.6	134.9
-45°	2222.2	1875.2	1557.9	1299.1	1049.9	774.7	560.6	396.4	276.4	189.4	132.0
-47.5°	2004.0	1686.7	1415.9	1187.9	955.0	702.4	517.6	374.5	257.8	182.6	130.1
-50°	1778.9	1508.3	1283.0	1065.6	838.9	642.0	471.6	348.4	251.1	177.2	126.9
-52.5°	1581.9	1351.5	1147.2	939.9	751.2	571.5	436.7	320.4	242.2	172.6	122.4
-55°	1412.2	1202.4	1013.3	836.9	667.7	519.6	397.3	307.0	231.2	166.9	116.8
-57.5°	1262.3	1064.2	903.5	745.0	597.9	469.6	369.5	291.2	219.7	159.1	111.9
-60°	1116.4	953.9	803.7	662.4	532.9	426.5	347.8	272.9	205.9	149.1	106.4
-62.5°	981.7	838.6	707.9	580.2	474.6	391.4	322.9	251.7	189.7	136.7	99.2
-65°	840.3	718.4	607.9	507.7	421.7	350.3	290.8	227.5	168.4	121.8	89.8
-67.5°	693.4	603.9	517.7	434.1	363.9	304.0	253.9	195.5	143.3	104.5	78.9
-70°	577.4	498.7	425.6	360.1	302.8	253.9	207.5	158.0	115.6	89.5	67.2
-72.5°	459.7	395.5	335.6	283.4	242.6	201.1	158.9	121.0	95.9	73.8	55.0
-75°	340.3	296.8	257.8	221.6	184.8	148.5	121.1	96.2	75.5	57.5	46.4
-77.5°	246.9	215.5	186.8	163.9	138.6	114.4	91.4	70.5	57.2	47.7	39.0
-80°	167.8	151.3	135.5	119.4	99.0	79.7	65.9	54.3	46.1	38.4	31.4
-82.5°	105.7	96.9	89.0	80.9	69.0	58.3	48.9	40.9	34.7	29.0	25.5
-85°	62.7	58.0	53.4	48.8	42.2	36.5	33.7	31.2	28.5	25.8	23.1
-87.5°	35.3	34.8	34.3	33.7	32.0	30.5	29.1	27.8	25.5	23.1	20.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	6.1

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1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627750 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	16.3	14.3	12.2	10.1	8.1	8.1	8.1
87.5°	6.0	6.8	7.4	7.8	8.1	8.1	8.1
85°	3.9	5.5	6.7	7.6	8.1	8.1	8.1
82.5°	1.9	4.2	6.0	7.3	8.1	8.1	8.1
80°	0.4	3.0	5.4	7.1	8.1	8.1	8.1
77.5°	2.5	2.7	4.8	6.9	8.1	8.1	8.1
75°	4.5	4.0	4.4	6.7	8.1	8.1	8.1
72.5°	6.5	5.2	5.1	6.5	8.1	8.1	8.1
70°	8.1	6.4	5.8	6.5	8.1	8.1	8.1
67.5°	8.3	7.6	6.5	6.8	8.1	8.1	8.1
65°	8.7	8.4	7.1	7.0	8.1	8.1	8.1
62.5°	9.1	9.0	7.6	7.3	8.1	8.1	8.1
60°	9.6	9.7	8.1	7.5	8.1	8.1	8.1
57.5°	11.6	10.5	8.9	7.7	8.2	8.1	8.1
55°	13.6	11.4	9.7	7.8	8.3	8.1	8.1
52.5°	15.7	12.5	10.6	8.0	8.5	8.1	8.1
50°	17.7	14.1	11.5	8.1	8.6	8.1	8.1
47.5°	19.6	15.7	12.4	8.3	8.9	8.1	8.1
45°	21.5	17.3	13.4	9.0	9.1	8.1	8.1
42.5°	23.4	18.9	14.4	9.8	9.4	8.1	8.1
40°	25.2	20.4	15.6	10.8	9.7	8.1	8.1
37.5°	26.9	21.9	16.7	11.9	10.0	8.1	8.1
35°	28.6	23.3	17.9	12.9	10.3	8.1	8.1
32.5°	30.5	24.6	18.9	14.0	10.7	8.1	8.1
30°	32.9	25.9	20.0	15.0	11.1	8.1	8.1
27.5°	35.4	27.2	21.3	16.0	11.5	8.1	8.1
25°	37.8	28.4	22.5	16.9	11.9	8.1	8.1
22.5°	40.1	29.6	23.8	17.9	12.4	8.1	8.1
20°	42.5	31.1	24.9	18.7	12.8	8.1	8.1
17.5°	44.8	32.5	26.1	19.6	13.3	8.1	8.1
15°	47.1	33.9	27.2	20.4	13.8	8.1	8.1
12.5°	49.2	35.2	28.2	21.2	14.2	8.1	8.1
10°	51.1	36.4	29.2	21.9	14.7	8.1	8.1
7.5°	52.8	37.6	30.1	22.6	15.1	8.1	8.1
5°	54.4	38.7	30.9	23.2	15.5	8.1	8.1
2.5°	55.7	39.7	31.8	23.8	15.9	8.1	8.1
0°	56.9	40.6	32.5	24.4	16.3	8.1	8.1
-2.5°	60.1	41.5	33.2	24.4	16.3	8.1	8.1
-5°	62.9	42.3	33.8	24.3	16.2	8.1	8.1
-7.5°	65.5	43.0	34.3	24.2	16.2	8.1	8.1
-10°	67.6	43.6	34.7	24.0	16.1	8.1	8.1
-12.5°	69.2	44.1	34.9	23.8	15.9	8.1	8.1
-15°	70.2	44.6	35.0	23.6	15.7	8.1	8.1
-17.5°	70.5	44.9	35.0	23.3	15.5	8.1	8.1
-20°	72.3	45.2	34.8	22.9	15.3	8.1	8.1

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Scaled Data Report



REPORT NUMBER: P627750 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	77.0	45.4	34.3	22.5	15.0	8.1	8.1
-25°	80.8	48.4	33.7	22.1	14.8	8.1	8.1
-27.5°	83.7	52.1	32.9	21.6	14.4	8.1	8.1
-30°	85.8	55.4	32.1	21.1	14.1	8.1	8.1
-32.5°	86.9	58.1	33.3	20.6	13.7	8.1	8.1
-35°	89.2	60.2	34.2	20.0	13.3	8.1	8.1
-37.5°	91.6	61.5	34.7	19.4	12.9	8.1	8.1
-40°	93.0	62.0	35.0	18.7	12.5	8.1	8.1
-42.5°	93.5	62.0	35.3	18.3	12.0	8.1	8.1
-45°	93.0	61.6	35.4	18.4	11.5	8.1	8.1
-47.5°	91.6	60.7	35.2	18.3	11.0	8.1	8.1
-50°	89.7	59.3	34.5	18.1	10.4	8.1	8.1
-52.5°	87.2	57.4	33.5	17.7	9.9	8.1	8.1
-55°	84.1	55.1	32.1	17.2	9.3	8.1	8.1
-57.5°	80.4	52.1	30.3	16.6	8.7	8.1	8.1
-60°	75.9	48.6	28.2	15.8	8.1	8.1	8.1
-62.5°	69.8	44.4	26.6	15.0	8.1	8.1	8.1
-65°	62.9	39.8	24.9	14.0	8.1	8.1	8.1
-67.5°	55.4	35.8	22.9	12.9	8.1	8.1	8.1
-70°	47.2	32.5	20.8	11.7	8.1	8.1	8.1
-72.5°	41.6	29.0	18.6	11.4	8.1	8.1	8.1
-75°	36.3	25.3	16.2	11.4	8.1	8.1	8.1
-77.5°	30.6	21.3	15.3	11.2	8.1	8.1	8.1
-80°	24.8	19.2	14.8	11.1	8.1	8.1	8.1
-82.5°	22.4	18.0	14.2	10.9	8.1	8.1	8.1
-85°	20.4	16.8	13.6	10.6	8.1	8.1	8.1
-87.5°	18.4	15.6	12.9	10.4	8.1	8.1	8.1
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1

(END OF REPORT)