

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: P627970 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6E-722-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627970 (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-SA6E-722-U-VWR-VSR-XX  
Description: GALLEON FLOOD, SIX LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

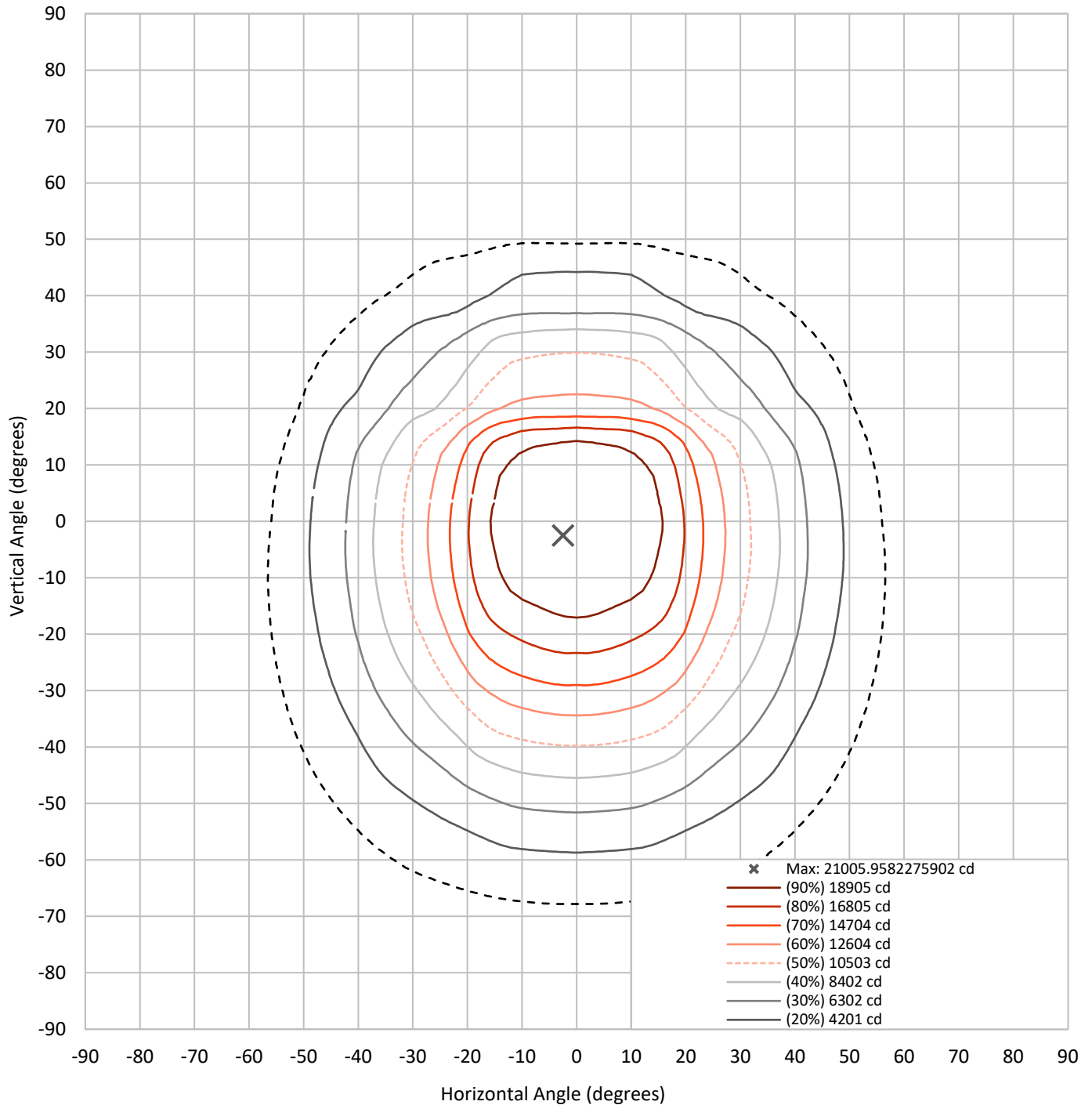
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	28033.1 lumens	Max Intensity:	21006 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	74.4 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:	16219 lumens	Field Lumens:	26601.7 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	376.7		
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





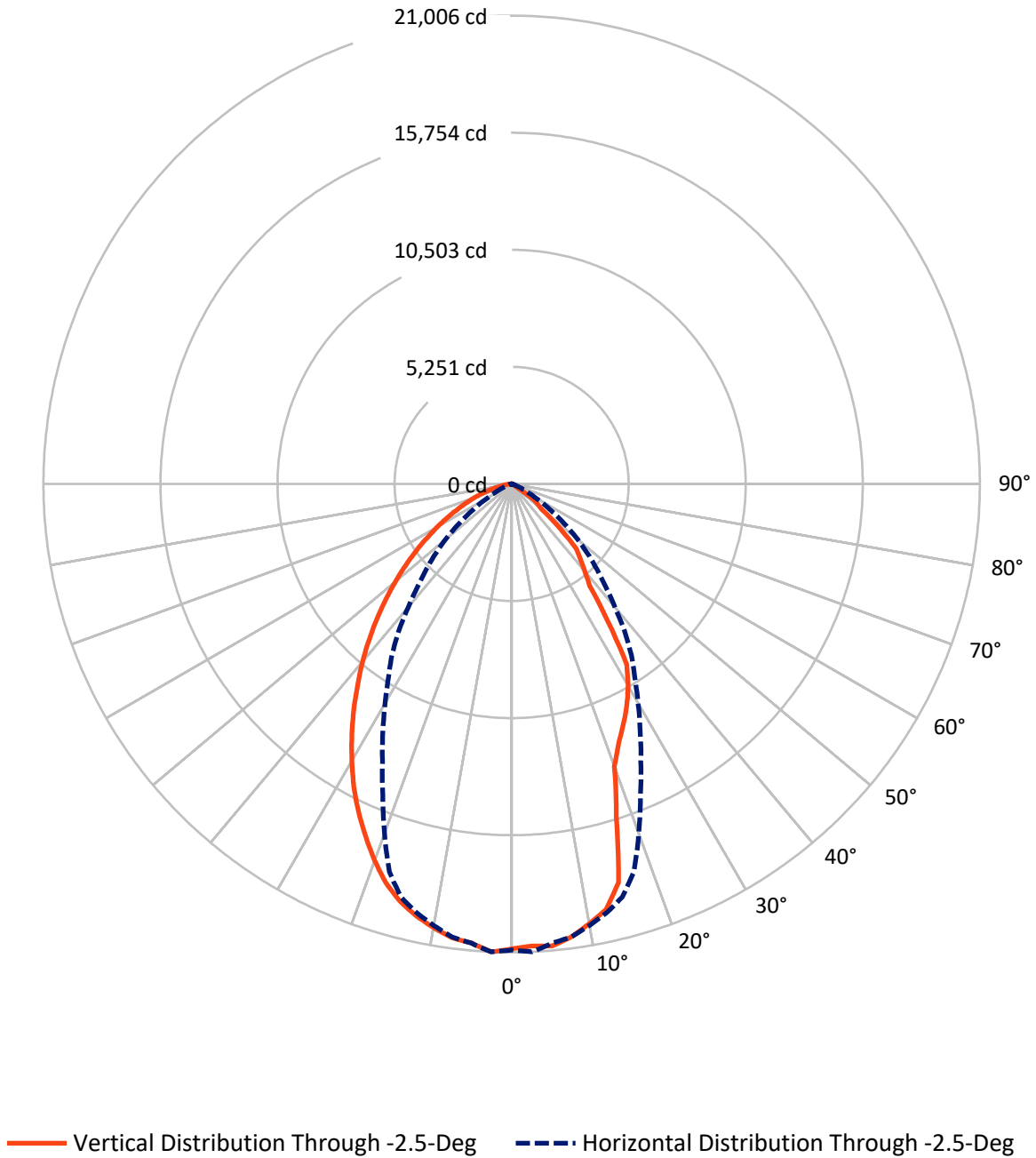
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### Lumen Table

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		0.2	0.5	2.6	7.6	14.7	21.9	27.2	27.2	21.9	14.7	7.6	2.6	0.5	0.2				
40	0.5	0.5	3.1	14.4	34.8	62.6	92.4	113.2	113.2	92.4	62.6	34.8	14.4	3.1	0.5	0.5			
30		1.4	10.4	36.4	81.2	131.7	197.5	230.9	230.9	197.5	131.7	81.2	36.4	10.4	1.4				
20	0.9	3.1	20.2	64.5	130.9	207.6	311.3	357.8	357.8	311.3	207.6	130.9	64.5	20.2	3.1	0.9			
10		5.3	31.0	95.5	188.6	310.4	462.1	529.9	529.9	462.1	310.4	188.6	95.5	31.0	5.3				
0	1.4	7.3	40.1	113.4	225.6	370.9	545.6	619.2	619.2	545.6	370.9	225.6	113.4	40.1	7.3	1.4			
-10		8.6	44.3	117.8	231.6	379.4	549.7	621.5	621.5	549.7	379.4	231.6	117.8	44.3	8.6				
-20	1.8	9.0	43.3	111.5	218.4	355.2	510.1	576.4	576.4	510.1	355.2	218.4	111.5	43.3	9.0	1.8			
-30		8.2	37.9	97.2	188.6	302.0	427.7	484.3	484.3	427.7	302.0	188.6	97.2	37.9	8.2				
-40	1.8	6.9	30.2	76.5	148.4	232.9	326.6	369.8	369.8	326.6	232.9	148.4	76.5	30.2	6.9	1.8			
-50		5.5	22.3	54.5	106.3	163.8	226.0	256.6	256.6	226.0	163.8	106.3	54.5	22.3	5.5				
-60	1.3	4.1	14.6	35.0	66.1	101.7	138.2	157.5	157.5	138.2	101.7	66.1	35.0	14.6	4.1	1.3			
-70		2.9	8.9	20.5	36.3	53.9	71.4	80.9	80.9	71.4	53.9	36.3	20.5	8.9	2.9				
-80	0.5	6.6		30.2		65.9		73.6		65.9		30.2		6.6		0.5			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

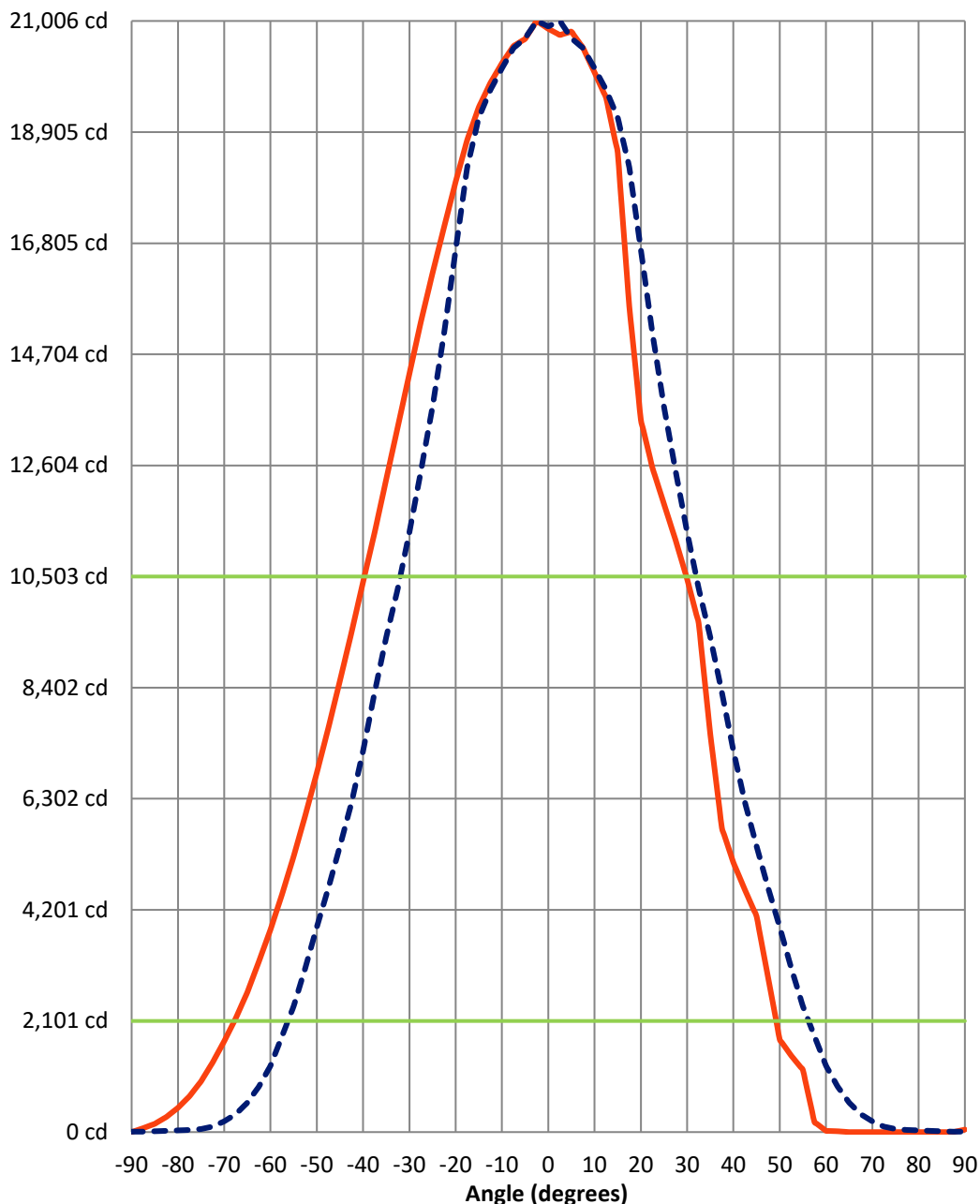
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 16219  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 26601.7  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 1431.5  
 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°	7.8	7.8	7.8	9.8	11.8	13.7	15.7	17.7	19.6	21.6	23.5
87.5°	7.8	7.8	7.8	7.5	7.1	6.5	5.8	4.1	2.6	1.2	0.0
85°	7.8	7.8	7.8	7.3	6.5	5.3	3.8	2.4	1.3	0.5	0.0
82.5°	7.8	7.8	7.8	7.1	5.8	4.1	1.8	0.6	0.2	1.1	2.1
80°	7.8	7.8	7.8	6.8	5.2	2.9	0.4	1.5	2.8	4.1	5.3
77.5°	7.8	7.8	7.8	6.6	4.6	2.6	2.4	3.8	5.4	7.0	7.1
75°	7.8	7.8	7.8	6.4	4.3	3.8	4.4	6.1	7.7	6.3	4.1
72.5°	7.8	7.8	7.8	6.3	5.0	5.1	6.2	7.7	6.6	4.5	1.4
70°	7.8	7.8	7.8	6.2	5.6	6.2	7.8	7.4	5.7	3.0	3.6
67.5°	7.8	7.8	7.8	6.5	6.2	7.3	8.0	7.2	5.1	6.1	7.0
65°	7.8	7.8	7.8	6.8	6.8	8.1	8.3	7.1	7.8	9.1	9.6
62.5°	7.8	7.8	7.8	7.0	7.3	8.7	8.8	8.8	10.5	11.9	10.8
60°	7.8	7.8	7.8	7.2	7.8	9.4	9.3	11.2	13.2	13.7	12.2
57.5°	7.8	7.8	7.9	7.4	8.5	10.1	11.1	13.6	15.5	15.7	15.3
55°	7.8	7.8	8.0	7.5	9.3	11.0	13.1	15.9	17.9	18.2	19.1
52.5°	7.8	7.8	8.2	7.7	10.2	12.0	15.1	18.2	20.4	21.6	22.8
50°	7.8	7.8	8.3	7.8	11.1	13.6	17.0	20.4	23.2	24.9	26.5
47.5°	7.8	7.8	8.5	8.0	12.0	15.2	18.9	22.6	26.2	28.2	30.1
45°	7.8	7.8	8.8	8.7	12.9	16.7	20.7	24.7	28.9	31.5	33.7
42.5°	7.8	7.8	9.0	9.4	13.9	18.2	22.5	27.1	31.9	34.7	40.9
40°	7.8	7.8	9.3	10.4	15.0	19.6	24.3	29.8	35.0	38.0	48.9
37.5°	7.8	7.8	9.6	11.4	16.1	21.1	26.0	32.5	38.2	43.2	57.0
35°	7.8	7.8	9.9	12.5	17.2	22.4	27.6	35.4	41.7	53.0	72.5
32.5°	7.8	7.8	10.3	13.5	18.3	23.7	29.4	38.3	45.2	64.6	103.5
30°	7.8	7.8	10.7	14.4	19.3	25.0	31.8	41.3	49.0	77.8	133.6
27.5°	7.8	7.8	11.1	15.4	20.5	26.2	34.1	44.3	55.5	92.5	162.7
25°	7.8	7.8	11.5	16.3	21.7	27.4	36.4	47.4	66.8	114.0	191.3
22.5°	7.8	7.8	11.9	17.2	22.9	28.6	38.7	50.5	78.8	137.5	229.1
20°	7.8	7.8	12.4	18.1	24.0	30.0	40.9	53.6	91.1	159.9	266.6
17.5°	7.8	7.8	12.8	18.9	25.1	31.4	43.2	56.6	103.8	181.1	303.4
15°	7.8	7.8	13.3	19.6	26.2	32.7	45.4	60.6	116.5	200.8	339.3
12.5°	7.8	7.8	13.7	20.4	27.2	34.0	47.4	66.0	130.6	219.2	373.6
10°	7.8	7.8	14.1	21.1	28.1	35.2	49.2	71.7	145.5	240.5	408.0
7.5°	7.8	7.8	14.5	21.8	29.0	36.3	50.9	77.6	159.8	261.2	444.2
5°	7.8	7.8	15.0	22.4	29.9	37.3	52.4	83.3	173.1	280.5	477.4
2.5°	7.8	7.8	15.3	23.0	30.7	38.3	53.8	88.9	185.2	298.1	507.3
0°	7.8	7.8	15.7	23.5	31.4	39.2	54.9	94.1	196.0	313.7	533.2
-2.5°	7.8	7.8	15.7	23.5	31.4	39.2	54.9	94.1	196.0	313.7	533.2
-5°	7.8	7.8	15.6	23.4	32.6	40.8	60.7	112.4	210.1	360.1	575.7
-7.5°	7.8	7.8	15.6	23.3	33.1	41.4	63.2	120.1	215.0	377.8	590.6
-10°	7.8	7.8	15.5	23.1	33.5	42.0	65.2	126.4	218.6	390.6	601.6
-12.5°	7.8	7.8	15.3	22.9	33.7	42.5	66.7	131.1	221.1	397.3	610.2
-15°	7.8	7.8	15.2	22.7	33.8	43.0	67.7	134.0	225.7	396.6	613.3
-17.5°	7.8	7.8	15.0	22.4	33.8	43.3	68.0	136.8	232.4	392.6	609.5
-20°	7.8	7.8	14.7	22.1	33.5	43.6	69.7	139.7	236.8	385.4	598.3

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Scaled Data Report



REPORT NUMBER: P627970 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-722-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°	7.8	7.8	14.5	21.7	33.1	43.8	74.2	140.9	238.7	375.1	579.3
-25°	7.8	7.8	14.2	21.3	32.5	46.6	77.9	140.5	238.1	361.8	552.2
-27.5°	7.8	7.8	13.9	20.8	31.8	50.3	80.7	138.4	234.7	350.5	532.3
-30°	7.8	7.8	13.6	20.4	31.0	53.4	82.7	134.5	230.3	345.4	510.1
-32.5°	7.8	7.8	13.2	19.8	32.1	56.0	83.7	134.7	224.7	336.8	484.9
-35°	7.8	7.8	12.8	19.3	33.0	58.1	86.0	135.5	216.9	324.6	457.0
-37.5°	7.8	7.8	12.4	18.6	33.5	59.4	88.3	134.9	206.9	308.9	444.5
-40°	7.8	7.8	12.0	18.0	33.7	59.8	89.7	133.1	194.7	293.8	430.5
-42.5°	7.8	7.8	11.5	17.6	34.0	59.9	90.2	130.1	187.7	281.6	409.2
-45°	7.8	7.8	11.1	17.7	34.2	59.4	89.7	127.3	182.6	266.6	382.4
-47.5°	7.8	7.8	10.6	17.6	33.9	58.5	88.4	125.5	176.0	248.6	361.2
-50°	7.8	7.8	10.0	17.4	33.3	57.2	86.5	122.4	170.8	242.2	336.0
-52.5°	7.8	7.8	9.5	17.0	32.3	55.4	84.1	118.0	166.4	233.6	309.0
-55°	7.8	7.8	9.0	16.6	30.9	53.1	81.1	112.7	161.0	223.0	296.1
-57.5°	7.8	7.8	8.4	16.0	29.2	50.3	77.6	108.0	153.4	211.9	280.9
-60°	7.8	7.8	7.8	15.3	27.1	46.8	73.3	102.7	143.8	198.6	263.3
-62.5°	7.8	7.8	7.8	14.4	25.6	42.8	67.4	95.7	131.9	183.0	242.7
-65°	7.8	7.8	7.8	13.5	24.0	38.4	60.7	86.7	117.5	162.4	219.4
-67.5°	7.8	7.8	7.8	12.4	22.1	34.5	53.4	76.1	100.9	138.3	188.6
-70°	7.8	7.8	7.8	11.3	20.1	31.3	45.4	64.8	86.4	111.5	152.4
-72.5°	7.8	7.8	7.8	11.0	17.9	27.9	40.1	53.0	71.2	92.5	116.7
-75°	7.8	7.8	7.8	10.9	15.6	24.3	34.9	44.7	55.4	72.8	92.8
-77.5°	7.8	7.8	7.8	10.8	14.8	20.5	29.5	37.6	46.0	55.1	68.0
-80°	7.8	7.8	7.8	10.7	14.2	18.5	23.9	30.3	37.1	44.4	52.3
-82.5°	7.8	7.8	7.8	10.5	13.7	17.4	21.6	24.6	28.0	33.5	39.5
-85°	7.8	7.8	7.8	10.3	13.1	16.2	19.7	22.3	24.9	27.5	30.1
-87.5°	7.8	7.8	7.8	10.0	12.4	15.0	17.7	20.0	22.3	24.5	26.8
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	5.8	3.9	1.9	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°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	25.5	27.5	29.4
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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.3	2.0	1.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	5.1	4.2	1.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.4	2.2	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.6	0.1	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.3	2.2	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	4.4	4.8	3.2	1.3	0.0	0.4	1.1	0.8	0.0	0.4	1.0
67.5°	7.3	5.4	3.5	2.2	2.9	3.9	3.7	4.0	4.2	4.6	4.0
65°	7.6	5.8	5.9	6.8	7.7	8.4	9.1	9.7	8.1	7.0	7.2
62.5°	8.1	8.8	10.2	11.4	12.6	13.7	13.7	12.2	9.2	11.6	13.3
60°	11.6	12.8	14.5	16.0	17.6	18.4	17.6	17.8	19.8	22.9	44.0
57.5°	15.7	16.8	18.7	21.2	23.3	23.7	24.4	26.5	62.1	101.5	112.1
55°	19.8	20.7	24.0	27.8	30.1	30.0	43.0	90.6	136.8	189.6	209.0
52.5°	23.9	25.5	31.2	35.8	38.8	60.5	108.9	173.6	241.8	302.4	380.6
50°	27.9	33.6	39.4	46.3	73.8	130.2	201.1	289.4	392.2	488.9	588.0
47.5°	34.9	42.0	50.9	73.0	145.5	223.9	321.9	464.0	590.7	707.8	843.7
45°	43.1	57.9	67.8	144.5	228.7	329.9	495.9	669.6	784.6	941.3	1181.7
42.5°	51.6	80.2	129.6	218.3	320.9	484.0	689.9	837.9	990.9	1244.9	1497.7
40°	74.3	107.6	195.5	301.0	431.0	668.9	880.2	1047.8	1256.7	1538.2	1802.2
37.5°	101.8	164.2	262.7	389.2	603.7	864.5	1090.8	1330.2	1570.3	1835.8	2325.4
35°	132.4	216.8	347.9	518.5	776.6	1081.4	1351.2	1618.7	1895.4	2418.3	2904.0
32.5°	172.3	265.2	436.9	668.9	963.5	1298.0	1611.3	1920.4	2364.3	2955.9	3443.3
30°	215.2	342.9	539.3	808.1	1139.4	1496.4	1873.0	2247.4	2834.8	3324.4	3853.6
27.5°	260.1	425.0	659.5	953.5	1304.1	1683.6	2108.7	2642.7	3166.7	3650.4	4231.9
25°	306.1	510.6	769.4	1092.5	1466.2	1886.0	2374.9	3025.3	3435.2	3969.8	4576.4
22.5°	365.4	592.4	878.2	1218.5	1616.4	2093.9	2717.4	3370.6	3852.9	4302.6	4895.2
20°	433.9	684.6	996.5	1376.5	1763.5	2297.1	3058.0	3745.0	4312.4	4827.2	5371.5
17.5°	497.8	770.7	1123.1	1537.7	1977.6	2557.4	3392.2	4152.5	4776.8	5350.6	6030.1
15°	557.0	850.4	1247.1	1690.3	2188.1	2855.5	3691.8	4526.8	5239.8	5885.3	6657.5
12.5°	611.1	923.2	1366.6	1833.1	2386.3	3112.5	3943.5	4758.5	5542.1	6383.3	7259.7
10°	659.9	988.7	1479.4	1964.9	2570.1	3329.9	4151.4	4951.6	5742.3	6632.4	7606.1
7.5°	712.2	1049.9	1581.8	2084.7	2737.2	3509.5	4317.5	5106.6	5904.0	6831.7	7831.4
5°	760.5	1106.2	1663.2	2170.6	2866.4	3649.6	4442.4	5224.3	6026.8	6980.2	8001.9
2.5°	803.0	1153.5	1729.5	2238.0	2962.2	3752.8	4523.7	5322.5	6117.9	7100.9	8132.1
0°	839.0	1191.9	1780.0	2289.7	3034.6	3826.6	4571.5	5387.0	6171.2	7182.7	8217.8
-2.5°	862.1	1254.8	1814.7	2379.9	3097.8	3874.9	4614.3	5405.1	6228.5	7208.6	8313.9
-5°	878.3	1305.8	1835.7	2449.4	3139.2	3896.2	4628.4	5391.1	6243.8	7202.1	8328.1
-7.5°	887.7	1341.8	1845.5	2488.9	3153.8	3883.4	4604.6	5364.5	6218.8	7177.4	8265.8
-10°	893.2	1353.1	1858.8	2477.0	3134.6	3841.4	4551.5	5302.3	6147.6	7097.2	8147.5
-12.5°	907.9	1345.9	1856.5	2450.7	3093.4	3777.9	4472.9	5203.6	6029.1	6960.5	7983.9
-15°	911.6	1329.7	1834.2	2411.8	3030.4	3694.9	4369.9	5068.4	5882.9	6827.2	7803.1
-17.5°	903.4	1305.3	1790.7	2362.3	2946.0	3594.2	4248.6	4946.6	5745.8	6673.4	7613.1
-20°	882.4	1273.7	1725.1	2303.8	2845.8	3482.3	4127.2	4818.8	5588.2	6460.1	7400.6

Classified

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

Scaled Data Report



REPORT NUMBER: P627970 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-722-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°	848.0	1235.5	1654.1	2222.2	2759.3	3353.8	3984.8	4644.8	5390.7	6183.5	7114.8
-25°	812.5	1192.3	1598.2	2110.0	2655.2	3203.7	3821.3	4432.0	5158.8	5937.3	6763.7
-27.5°	778.9	1132.0	1540.0	1987.1	2532.7	3043.5	3636.4	4232.0	4897.8	5660.9	6421.8
-30°	734.9	1066.9	1469.0	1869.0	2386.2	2892.6	3430.1	4016.3	4615.0	5339.3	6087.9
-32.5°	696.0	999.3	1388.2	1779.0	2228.7	2722.7	3207.7	3766.5	4350.8	4968.2	5707.9
-35°	670.0	959.2	1302.6	1675.1	2068.1	2537.8	2999.2	3484.6	4050.6	4629.9	5279.5
-37.5°	648.9	913.2	1212.4	1566.7	1940.8	2344.0	2775.9	3222.5	3716.3	4300.5	4911.2
-40°	615.8	861.4	1145.6	1463.4	1793.5	2160.1	2561.0	2965.2	3393.3	3964.0	4566.6
-42.5°	573.4	811.3	1082.6	1351.0	1652.6	1987.2	2343.6	2724.3	3135.7	3631.4	4185.3
-45°	540.8	747.2	1012.7	1253.0	1502.7	1808.7	2143.4	2488.3	2876.3	3301.8	3799.3
-47.5°	499.3	677.4	921.1	1145.7	1365.7	1627.0	1933.0	2259.4	2603.1	2986.5	3394.3
-50°	455.0	619.3	809.1	1027.8	1237.5	1454.8	1715.9	2017.7	2329.6	2663.8	3027.5
-52.5°	421.3	551.3	724.6	906.6	1106.5	1303.6	1525.8	1784.6	2063.2	2342.4	2662.4
-55°	383.2	501.2	644.1	807.2	977.4	1159.8	1362.2	1588.9	1815.9	2072.5	2327.8
-57.5°	356.4	453.0	576.8	718.6	871.5	1026.5	1217.5	1409.1	1619.3	1831.6	2043.4
-60°	335.5	411.4	514.0	638.9	775.2	920.1	1076.9	1253.9	1434.9	1608.2	1791.2
-62.5°	311.5	377.6	457.8	559.6	682.8	808.9	946.9	1098.6	1262.3	1408.3	1550.2
-65°	280.5	337.9	406.8	489.7	586.3	692.9	810.5	938.4	1079.9	1198.4	1314.3
-67.5°	244.9	293.2	351.0	418.8	499.3	582.5	668.8	777.0	891.8	988.4	1082.9
-70°	200.1	244.9	292.1	347.3	410.5	481.0	557.0	635.4	714.1	793.0	879.4
-72.5°	153.2	193.9	234.0	273.4	323.7	381.5	443.4	509.2	577.9	645.4	711.0
-75°	116.8	143.2	178.2	213.7	248.7	286.3	328.2	380.5	444.3	509.8	569.8
-77.5°	88.2	110.3	133.7	158.1	180.2	207.9	238.1	270.7	323.3	383.7	444.7
-80°	63.6	76.9	95.5	115.1	130.6	145.9	161.8	178.3	217.4	266.1	318.0
-82.5°	47.2	56.3	66.6	78.0	85.8	93.4	101.9	112.8	141.8	174.7	209.5
-85°	32.5	35.2	40.8	47.1	51.5	55.9	60.4	65.1	80.8	98.3	117.1
-87.5°	28.0	29.4	30.9	32.5	33.1	33.6	34.1	34.6	39.9	45.4	51.1
-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: P627970 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	31.4	33.4	35.3	37.3	39.2	41.2	43.1	45.1	47.0	47.0	47.0
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	0.0	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	0.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3.6	4.0	4.1	3.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0
65°	8.2	7.9	5.8	3.8	1.9	3.0	4.8	5.6	5.7	5.1	3.9
62.5°	12.4	11.4	10.3	11.9	14.3	16.5	15.8	15.0	13.9	13.3	13.7
60°	46.4	30.9	35.7	44.9	41.9	28.7	47.2	53.5	45.5	31.2	30.1
57.5°	117.5	113.4	129.9	189.8	208.9	190.4	227.5	276.2	274.7	236.6	235.4
55°	250.4	336.0	439.3	456.0	527.9	671.9	784.1	734.9	734.6	771.6	890.7
52.5°	475.7	556.4	586.5	666.7	817.0	926.0	996.1	1068.6	1148.1	1229.2	1311.4
50°	698.1	776.5	865.5	947.7	1155.6	1267.5	1248.9	1399.1	1591.4	1711.4	1773.1
47.5°	1023.9	1147.4	1335.6	1630.3	1785.6	1897.8	2037.3	2207.5	2427.8	2726.5	2956.7
45°	1407.6	1601.9	1893.0	2206.1	2446.9	2556.7	2716.4	2979.9	3331.1	3673.1	3922.8
42.5°	1721.1	1987.7	2316.1	2615.3	2811.8	2992.0	3198.7	3420.9	3823.2	4188.5	4477.1
40°	2130.4	2338.1	2706.4	2988.5	3164.3	3343.0	3670.6	4003.2	4381.6	4721.9	4958.4
37.5°	2649.1	2882.8	3266.0	3584.9	3754.3	3817.4	4374.6	4837.6	5145.1	5579.5	5721.6
35°	3206.3	3591.0	4079.2	4492.8	4658.8	4990.2	5564.2	6210.2	6910.3	7167.7	7387.2
32.5°	3828.0	4302.5	4965.0	5408.8	5645.8	6148.7	6875.1	7564.7	8480.0	8976.7	9125.3
30°	4396.7	4941.2	5510.7	5942.1	6347.1	6952.8	7615.3	8465.6	9311.9	9947.1	10144.3
27.5°	4814.1	5416.6	5964.0	6368.0	6825.1	7478.1	8304.1	9165.2	9996.0	10643.9	10874.2
25°	5212.5	5893.5	6326.9	6796.7	7333.4	8045.1	8960.5	9917.1	10735.4	11283.1	11565.5
22.5°	5665.6	6337.1	6802.4	7200.4	7902.1	8722.1	9571.8	10652.9	11519.8	11956.8	12263.0
20°	6133.3	6893.2	7611.9	7982.0	8589.1	9627.5	10578.6	11599.2	12436.4	12891.8	13214.3
17.5°	6785.9	7754.2	8635.7	9159.7	9810.0	11051.5	12238.3	13270.8	14435.4	14846.7	15240.9
15°	7474.1	8594.7	9627.3	10457.6	11297.5	12527.6	14055.4	15301.3	16630.2	17223.6	17894.6
12.5°	8160.0	9220.4	10156.0	11227.1	12410.8	13498.9	14953.5	16504.9	17710.8	18467.6	18919.4
10°	8672.7	9657.6	10557.9	11631.5	12813.0	14044.0	15489.4	17079.7	18342.0	18987.9	19356.5
7.5°	8949.5	9892.2	10841.8	11929.7	13106.0	14416.9	15906.2	17484.0	18774.7	19400.5	19764.4
5°	9155.1	10060.4	11043.7	12188.9	13378.3	14707.5	16194.7	17753.7	18930.6	19595.6	20056.0
2.5°	9279.4	10167.0	11172.3	12356.5	13548.7	14933.2	16492.1	18108.2	19137.9	19673.0	20096.3
0°	9315.5	10209.5	11244.5	12444.3	13667.5	15063.3	16608.0	18207.7	19250.6	19768.1	20199.4
-2.5°	9356.1	10276.5	11340.0	12501.1	13714.0	15105.8	16682.6	18241.4	19179.5	19701.8	20112.0
-5°	9327.9	10281.7	11341.9	12454.1	13675.0	15055.7	16569.4	18026.8	19008.2	19572.8	19980.8
-7.5°	9243.5	10210.9	11260.1	12329.0	13526.6	14923.0	16430.4	17833.7	18827.9	19423.3	19869.7
-10°	9120.6	10059.9	11116.4	12198.8	13382.1	14711.3	16195.5	17590.5	18542.0	19174.1	19694.4
-12.5°	8984.5	9904.3	10922.6	11960.9	13131.2	14443.9	15882.0	17202.5	18148.4	18837.9	19209.7
-15°	8782.8	9702.0	10675.5	11679.9	12820.5	14094.1	15467.8	16734.7	17663.5	18224.6	18635.5
-17.5°	8526.2	9428.1	10351.0	11303.7	12378.3	13632.5	15014.6	16264.1	17021.2	17522.3	17926.2
-20°	8251.4	9085.4	9959.8	10858.7	11900.3	13142.8	14500.1	15590.0	16303.6	16785.1	17166.4



REPORT NUMBER: P627970 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-722-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°	7937.5	8740.7	9541.1	10400.4	11421.7	12560.8	13759.7	14812.9	15580.2	16018.7	16371.1
-25°	7579.2	8360.5	9120.6	9950.5	10889.1	11913.1	13027.8	14062.8	14750.0	15215.8	15565.2
-27.5°	7193.3	7927.4	8669.8	9415.1	10259.0	11279.2	12311.5	13273.0	13859.6	14329.1	14680.6
-30°	6808.1	7468.4	8155.4	8860.9	9652.9	10572.7	11538.4	12346.9	12965.5	13421.7	13748.0
-32.5°	6390.7	7017.3	7625.9	8285.3	9031.0	9841.7	10689.1	11458.2	12119.2	12537.0	12812.1
-35°	5963.2	6569.7	7126.8	7725.3	8383.0	9082.7	9864.9	10623.4	11276.2	11606.8	11874.8
-37.5°	5517.9	6122.7	6650.8	7150.8	7717.4	8365.3	9127.2	9850.9	10414.9	10699.1	10940.6
-40°	5130.7	5663.1	6138.5	6616.9	7077.6	7652.9	8363.9	9064.7	9517.1	9794.1	10018.5
-42.5°	4754.8	5203.9	5593.2	6022.1	6483.1	7050.3	7624.0	8211.5	8575.3	8882.6	9119.0
-45°	4316.9	4718.4	5083.4	5440.2	5860.6	6378.5	6899.6	7370.2	7710.9	8008.0	8238.2
-47.5°	3832.7	4220.3	4574.8	4893.8	5284.6	5716.4	6155.2	6546.9	6883.3	7176.8	7382.2
-50°	3381.5	3727.7	4073.9	4396.6	4735.3	5084.7	5440.7	5784.4	6103.7	6388.9	6563.8
-52.5°	2977.2	3296.7	3599.2	3881.4	4177.8	4472.9	4767.7	5082.5	5376.4	5646.3	5785.9
-55°	2611.4	2899.5	3172.5	3410.2	3648.0	3882.1	4134.8	4425.4	4696.0	4946.1	5046.3
-57.5°	2283.1	2529.6	2771.2	2972.2	3166.4	3352.6	3574.4	3819.8	4056.5	4270.9	4352.8
-60°	1981.1	2176.7	2378.7	2557.1	2726.3	2886.0	3079.4	3277.0	3469.0	3630.6	3700.4
-62.5°	1703.3	1870.6	2023.6	2168.6	2311.9	2455.7	2611.8	2768.6	2923.7	3048.2	3111.2
-65°	1435.5	1568.7	1691.7	1810.9	1926.6	2047.3	2169.6	2288.7	2403.5	2492.4	2547.0
-67.5°	1184.0	1285.3	1382.9	1475.8	1572.6	1670.5	1766.1	1857.3	1943.6	2012.3	2064.6
-70°	961.1	1039.5	1115.9	1192.8	1273.6	1349.7	1421.8	1490.0	1554.2	1603.8	1644.0
-72.5°	774.7	838.3	904.3	973.6	1038.8	1095.7	1147.5	1197.4	1245.2	1273.2	1294.1
-75°	624.6	678.1	735.5	791.6	846.1	889.3	927.3	964.1	999.5	1001.4	994.3
-77.5°	504.5	552.4	596.8	640.9	684.4	711.1	734.3	758.3	782.4	768.5	746.3
-80°	370.3	410.1	447.9	485.8	523.7	539.4	550.4	560.0	568.0	549.7	527.1
-82.5°	245.8	270.9	295.4	320.3	345.6	355.7	363.3	369.5	374.4	357.9	338.8
-85°	137.1	149.2	161.1	173.0	185.0	192.1	198.5	204.5	209.9	200.1	188.9
-87.5°	57.0	59.7	62.4	65.1	67.6	70.1	72.6	75.0	77.3	77.7	77.9
-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: P627970 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-722-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°	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	45.1
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°	2.3	0.4	0.0	0.0	0.0	0.4	2.3	3.9	5.1	5.7	5.6
62.5°	14.4	15.0	15.5	15.7	15.5	15.0	14.4	13.7	13.3	13.9	15.0
60°	27.7	24.3	23.4	23.5	23.4	24.3	27.7	30.1	31.2	45.5	53.5
57.5°	217.4	186.1	190.8	211.7	190.8	186.1	217.4	235.4	236.6	274.7	276.2
55°	1015.8	1134.0	1175.7	1152.7	1175.7	1134.0	1015.8	890.7	771.6	734.6	734.9
52.5°	1376.4	1424.8	1443.5	1442.8	1443.5	1424.8	1376.4	1311.4	1229.2	1148.1	1068.6
50°	1791.8	1775.4	1750.1	1725.1	1750.1	1775.4	1791.8	1773.1	1711.4	1591.4	1399.1
47.5°	2990.3	2938.5	2916.6	2956.2	2916.6	2938.5	2990.3	2956.7	2726.5	2427.8	2207.5
45°	3973.7	4034.4	4079.8	4077.5	4079.8	4034.4	3973.7	3922.8	3673.1	3331.1	2979.9
42.5°	4533.7	4566.0	4575.4	4563.7	4575.4	4566.0	4533.7	4477.1	4188.5	3823.2	3420.9
40°	5032.7	5071.3	5093.0	5112.6	5093.0	5071.3	5032.7	4958.4	4721.9	4381.6	4003.2
37.5°	5768.4	5782.6	5751.8	5732.0	5751.8	5782.6	5768.4	5721.6	5579.5	5145.1	4837.6
35°	7572.2	7609.2	7523.6	7614.0	7523.6	7609.2	7572.2	7387.2	7167.7	6910.3	6210.2
32.5°	9302.1	9475.2	9615.3	9731.1	9615.3	9475.2	9302.1	9125.3	8976.7	8480.0	7564.7
30°	10282.0	10393.7	10453.7	10468.2	10453.7	10393.7	10282.0	10144.3	9947.1	9311.9	8465.6
27.5°	11001.5	11118.6	11191.5	11244.5	11191.5	11118.6	11001.5	10874.2	10643.9	9996.0	9165.2
25°	11694.9	11802.0	11874.8	11903.2	11874.8	11802.0	11694.9	11565.5	11283.1	10735.4	9917.1
22.5°	12414.5	12488.9	12558.8	12593.2	12558.8	12488.9	12414.5	12263.0	11956.8	11519.8	10652.9
20°	13446.0	13405.5	13469.4	13448.0	13469.4	13405.5	13446.0	13214.3	12891.8	12436.4	11599.2
17.5°	15548.1	15569.9	15612.6	15682.7	15612.6	15569.9	15548.1	15240.9	14846.7	14435.4	13270.8
15°	18191.8	18245.0	18515.4	18756.6	18515.4	18245.0	18191.8	17894.6	17223.6	16630.2	15301.3
12.5°	19338.5	19522.6	19551.2	19619.1	19551.2	19522.6	19338.5	18919.4	18467.6	17710.8	16504.9
10°	19721.2	20040.0	20033.1	20113.1	20033.1	20040.0	19721.2	19356.5	18987.9	18342.0	17079.7
7.5°	20011.4	20353.8	20498.5	20560.1	20498.5	20353.8	20011.4	19764.4	19400.5	18774.7	17484.0
5°	20366.0	20554.3	20804.0	20732.6	20804.0	20554.3	20366.0	20056.0	19595.6	18930.6	17753.7
2.5°	20514.6	20809.5	20741.5	20811.0	20741.5	20809.5	20514.6	20096.3	19673.0	19137.9	18108.2
0°	20615.0	20826.7	20858.0	20928.6	20858.0	20826.7	20615.0	20199.4	19768.1	19250.6	18207.7
-2.5°	20493.4	20679.7	21006.0	20905.1	21006.0	20679.7	20493.4	20112.0	19701.8	19179.5	18241.4
-5°	20386.7	20845.3	20667.3	20889.4	20667.3	20845.3	20386.7	19980.8	19572.8	19008.2	18026.8
-7.5°	20331.7	20413.7	20531.9	20701.2	20531.9	20413.7	20331.7	19869.7	19423.3	18827.9	17833.7
-10°	19906.1	19990.0	20207.1	20324.8	20207.1	19990.0	19906.1	19694.4	19174.1	18542.0	17590.5
-12.5°	19444.5	19606.9	19835.1	19909.2	19835.1	19606.9	19444.5	19209.7	18837.9	18148.4	17202.5
-15°	18912.9	19154.1	19376.4	19423.1	19376.4	19154.1	18912.9	18635.5	18224.6	17663.5	16734.7
-17.5°	18236.7	18526.0	18759.6	18811.5	18759.6	18526.0	18236.7	17926.2	17522.3	17021.2	16264.1
-20°	17491.7	17768.7	17967.5	18027.3	17967.5	17768.7	17491.7	17166.4	16785.1	16303.6	15590.0



REPORT NUMBER: P627970 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-722-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°	16694.0	16943.5	17111.5	17086.3	17111.5	16943.5	16694.0	16371.1	16018.7	15580.2	14812.9
-25°	15847.2	16078.7	16238.7	16216.0	16238.7	16078.7	15847.2	15565.2	15215.8	14750.0	14062.8
-27.5°	14951.9	15171.2	15325.0	15329.9	15325.0	15171.2	14951.9	14680.6	14329.1	13859.6	13273.0
-30°	14011.1	14210.3	14335.2	14287.0	14335.2	14210.3	14011.1	13748.0	13421.7	12965.5	12346.9
-32.5°	13040.8	13221.0	13335.4	13369.5	13335.4	13221.0	13040.8	12812.1	12537.0	12119.2	11458.2
-35°	12083.8	12242.6	12341.4	12365.8	12341.4	12242.6	12083.8	11874.8	11606.8	11276.2	10623.4
-37.5°	11132.8	11269.5	11338.5	11307.3	11338.5	11269.5	11132.8	10940.6	10699.1	10414.9	9850.9
-40°	10193.1	10323.2	10402.3	10421.2	10402.3	10323.2	10193.1	10018.5	9794.1	9517.1	9064.7
-42.5°	9269.2	9377.4	9446.8	9480.2	9446.8	9377.4	9269.2	9119.0	8882.6	8575.3	8211.5
-45°	8372.6	8469.3	8534.5	8570.6	8534.5	8469.3	8372.6	8238.2	8008.0	7710.9	7370.2
-47.5°	7500.2	7585.0	7641.2	7668.9	7641.2	7585.0	7500.2	7382.2	7176.8	6883.3	6546.9
-50°	6666.0	6739.5	6791.8	6822.0	6791.8	6739.5	6666.0	6563.8	6388.9	6103.7	5784.4
-52.5°	5874.8	5939.0	5983.7	6006.5	5983.7	5939.0	5874.8	5785.9	5646.3	5376.4	5082.5
-55°	5119.4	5171.4	5212.7	5238.0	5212.7	5171.4	5119.4	5046.3	4946.1	4696.0	4425.4
-57.5°	4414.9	4457.4	4496.6	4524.5	4496.6	4457.4	4414.9	4352.8	4270.9	4056.5	3819.8
-60°	3755.5	3795.6	3828.9	3850.1	3828.9	3795.6	3755.5	3700.4	3630.6	3469.0	3277.0
-62.5°	3160.4	3195.9	3226.4	3246.3	3226.4	3195.9	3160.4	3111.2	3048.2	2923.7	2768.6
-65°	2590.0	2621.8	2644.5	2658.2	2644.5	2621.8	2590.0	2547.0	2492.4	2403.5	2288.7
-67.5°	2109.1	2145.8	2153.1	2148.5	2153.1	2145.8	2109.1	2064.6	2012.3	1943.6	1857.3
-70°	1679.9	1710.9	1718.3	1717.3	1718.3	1710.9	1679.9	1644.0	1603.8	1554.2	1490.0
-72.5°	1313.6	1330.5	1316.0	1293.8	1316.0	1330.5	1313.6	1294.1	1273.2	1245.2	1197.4
-75°	985.6	974.9	959.6	941.0	959.6	974.9	985.6	994.3	1001.4	999.5	964.1
-77.5°	721.9	695.2	677.7	658.7	677.7	695.2	721.9	746.3	768.5	782.4	758.3
-80°	502.6	476.4	458.3	439.1	458.3	476.4	502.6	527.1	549.7	568.0	560.0
-82.5°	318.4	296.9	285.9	274.4	285.9	296.9	318.4	338.8	357.9	374.4	369.5
-85°	176.9	164.1	156.7	149.0	156.7	164.1	176.9	188.9	200.1	209.9	204.5
-87.5°	78.1	78.3	74.5	70.6	74.5	78.3	78.1	77.9	77.7	77.3	75.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GFLD-SA6E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	43.1	41.2	39.2	37.3	35.3	33.4	31.4	29.4	27.5	25.5	23.5
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	0.0	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	0.2	0.2	0.0	0.0	0.7	1.0	0.4	0.0	0.8
67.5°	0.0	0.0	1.4	3.2	4.1	4.0	3.6	4.0	4.6	4.2	4.0
65°	4.8	3.0	1.9	3.8	5.8	7.9	8.2	7.2	7.0	8.1	9.7
62.5°	15.8	16.5	14.3	11.9	10.3	11.4	12.4	13.3	11.6	9.2	12.2
60°	47.2	28.7	41.9	44.9	35.7	30.9	46.4	44.0	22.9	19.8	17.8
57.5°	227.5	190.4	208.9	189.8	129.9	113.4	117.5	112.1	101.5	62.1	26.5
55°	784.1	671.9	527.9	456.0	439.3	336.0	250.4	209.0	189.6	136.8	90.6
52.5°	996.1	926.0	817.0	666.7	586.5	556.4	475.7	380.6	302.4	241.8	173.6
50°	1248.9	1267.5	1155.6	947.7	865.5	776.5	698.1	588.0	488.9	392.2	289.4
47.5°	2037.3	1897.8	1785.6	1630.3	1335.6	1147.4	1023.9	843.7	707.8	590.7	464.0
45°	2716.4	2556.7	2446.9	2206.1	1893.0	1601.9	1407.6	1181.7	941.3	784.6	669.6
42.5°	3198.7	2992.0	2811.8	2615.3	2316.1	1987.7	1721.1	1497.7	1244.9	990.9	837.9
40°	3670.6	3343.0	3164.3	2988.5	2706.4	2338.1	2130.4	1802.2	1538.2	1256.7	1047.8
37.5°	4374.6	3817.4	3754.3	3584.9	3266.0	2882.8	2649.1	2325.4	1835.8	1570.3	1330.2
35°	5564.2	4990.2	4658.8	4492.8	4079.2	3591.0	3206.3	2904.0	2418.3	1895.4	1618.7
32.5°	6875.1	6148.7	5645.8	5408.8	4965.0	4302.5	3828.0	3443.3	2955.9	2364.3	1920.4
30°	7615.3	6952.8	6347.1	5942.1	5510.7	4941.2	4396.7	3853.6	3324.4	2834.8	2247.4
27.5°	8304.1	7478.1	6825.1	6368.0	5964.0	5416.6	4814.1	4231.9	3650.4	3166.7	2642.7
25°	8960.5	8045.1	7333.4	6796.7	6326.9	5893.5	5212.5	4576.4	3969.8	3435.2	3025.3
22.5°	9571.8	8722.1	7902.1	7200.4	6802.4	6337.1	5665.6	4895.2	4302.6	3852.9	3370.6
20°	10578.6	9627.5	8589.1	7982.0	7611.9	6893.2	6133.3	5371.5	4827.2	4312.4	3745.0
17.5°	12238.3	11051.5	9810.0	9159.7	8635.7	7754.2	6785.9	6030.1	5350.6	4776.8	4152.5
15°	14055.4	12527.6	11297.5	10457.6	9627.3	8594.7	7474.1	6657.5	5885.3	5239.8	4526.8
12.5°	14953.5	13498.9	12410.8	11227.1	10156.0	9220.4	8160.0	7259.7	6383.3	5542.1	4758.5
10°	15489.4	14044.0	12813.0	11631.5	10557.9	9657.6	8672.7	7606.1	6632.4	5742.3	4951.6
7.5°	15906.2	14416.9	13106.0	11929.7	10841.8	9892.2	8949.5	7831.4	6831.7	5904.0	5106.6
5°	16194.7	14707.5	13378.3	12188.9	11043.7	10060.4	9155.1	8001.9	6980.2	6026.8	5224.3
2.5°	16492.1	14933.2	13548.7	12356.5	11172.3	10167.0	9279.4	8132.1	7100.9	6117.9	5322.5
0°	16608.0	15063.3	13667.5	12444.3	11244.5	10209.5	9315.5	8217.8	7182.7	6171.2	5387.0
-2.5°	16682.6	15105.8	13714.0	12501.1	11340.0	10276.5	9356.1	8313.9	7208.6	6228.5	5405.1
-5°	16569.4	15055.7	13675.0	12454.1	11341.9	10281.7	9327.9	8328.1	7202.1	6243.8	5391.1
-7.5°	16430.4	14923.0	13526.6	12329.0	11260.1	10210.9	9243.5	8265.8	7177.4	6218.8	5364.5
-10°	16195.5	14711.3	13382.1	12198.8	11116.4	10059.9	9120.6	8147.5	7097.2	6147.6	5302.3
-12.5°	15882.0	14443.9	13131.2	11960.9	10922.6	9904.3	8984.5	7983.9	6960.5	6029.1	5203.6
-15°	15467.8	14094.1	12820.5	11679.9	10675.5	9702.0	8782.8	7803.1	6827.2	5882.9	5068.4
-17.5°	15014.6	13632.5	12378.3	11303.7	10351.0	9428.1	8526.2	7613.1	6673.4	5745.8	4946.6
-20°	14500.1	13142.8	11900.3	10858.7	9959.8	9085.4	8251.4	7400.6	6460.1	5588.2	4818.8



REPORT NUMBER: P627970 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-722-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°	13759.7	12560.8	11421.7	10400.4	9541.1	8740.7	7937.5	7114.8	6183.5	5390.7	4644.8
-25°	13027.8	11913.1	10889.1	9950.5	9120.6	8360.5	7579.2	6763.7	5937.3	5158.8	4432.0
-27.5°	12311.5	11279.2	10259.0	9415.1	8669.8	7927.4	7193.3	6421.8	5660.9	4897.8	4232.0
-30°	11538.4	10572.7	9652.9	8860.9	8155.4	7468.4	6808.1	6087.9	5339.3	4615.0	4016.3
-32.5°	10689.1	9841.7	9031.0	8285.3	7625.9	7017.3	6390.7	5707.9	4968.2	4350.8	3766.5
-35°	9864.9	9082.7	8383.0	7725.3	7126.8	6569.7	5963.2	5279.5	4629.9	4050.6	3484.6
-37.5°	9127.2	8365.3	7717.4	7150.8	6650.8	6122.7	5517.9	4911.2	4300.5	3716.3	3222.5
-40°	8363.9	7652.9	7077.6	6616.9	6138.5	5663.1	5130.7	4566.6	3964.0	3393.3	2965.2
-42.5°	7624.0	7050.3	6483.1	6022.1	5593.2	5203.9	4754.8	4185.3	3631.4	3135.7	2724.3
-45°	6899.6	6378.5	5860.6	5440.2	5083.4	4718.4	4316.9	3799.3	3301.8	2876.3	2488.3
-47.5°	6155.2	5716.4	5284.6	4893.8	4574.8	4220.3	3832.7	3394.3	2986.5	2603.1	2259.4
-50°	5440.7	5084.7	4735.3	4396.6	4073.9	3727.7	3381.5	3027.5	2663.8	2329.6	2017.7
-52.5°	4767.7	4472.9	4177.8	3881.4	3599.2	3296.7	2977.2	2662.4	2342.4	2063.2	1784.6
-55°	4134.8	3882.1	3648.0	3410.2	3172.5	2899.5	2611.4	2327.8	2072.5	1815.9	1588.9
-57.5°	3574.4	3352.6	3166.4	2972.2	2771.2	2529.6	2283.1	2043.4	1831.6	1619.3	1409.1
-60°	3079.4	2886.0	2726.3	2557.1	2378.7	2176.7	1981.1	1791.2	1608.2	1434.9	1253.9
-62.5°	2611.8	2455.7	2311.9	2168.6	2023.6	1870.6	1703.3	1550.2	1408.3	1262.3	1098.6
-65°	2169.6	2047.3	1926.6	1810.9	1691.7	1568.7	1435.5	1314.3	1198.4	1079.9	938.4
-67.5°	1766.1	1670.5	1572.6	1475.8	1382.9	1285.3	1184.0	1082.9	988.4	891.8	777.0
-70°	1421.8	1349.7	1273.6	1192.8	1115.9	1039.5	961.1	879.4	793.0	714.1	635.4
-72.5°	1147.5	1095.7	1038.8	973.6	904.3	838.3	774.7	711.0	645.4	577.9	509.2
-75°	927.3	889.3	846.1	791.6	735.5	678.1	624.6	569.8	509.8	444.3	380.5
-77.5°	734.3	711.1	684.4	640.9	596.8	552.4	504.5	444.7	383.7	323.3	270.7
-80°	550.4	539.4	523.7	485.8	447.9	410.1	370.3	318.0	266.1	217.4	178.3
-82.5°	363.3	355.7	345.6	320.3	295.4	270.9	245.8	209.5	174.7	141.8	112.8
-85°	198.5	192.1	185.0	173.0	161.1	149.2	137.1	117.1	98.3	80.8	65.1
-87.5°	72.6	70.1	67.6	65.1	62.4	59.7	57.0	51.1	45.4	39.9	34.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P627970 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-722-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°	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	21.6	19.6	17.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.6	4.1
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.5	1.3	2.4
82.5°	0.0	0.0	0.0	0.1	1.3	2.0	2.3	2.1	1.1	0.2	0.6
80°	0.0	0.0	0.0	0.2	1.9	4.2	5.1	5.3	4.1	2.8	1.5
77.5°	0.0	0.0	0.0	0.1	0.8	2.2	4.4	7.1	7.0	5.4	3.8
75°	0.0	0.0	0.0	0.3	0.5	0.1	1.6	4.1	6.3	7.7	6.1
72.5°	0.0	0.0	0.0	1.0	2.1	2.2	1.3	1.4	4.5	6.6	7.7
70°	1.1	0.4	0.0	1.3	3.2	4.8	4.4	3.6	3.0	5.7	7.4
67.5°	3.7	3.9	2.9	2.2	3.5	5.4	7.3	7.0	6.1	5.1	7.2
65°	9.1	8.4	7.7	6.8	5.9	5.8	7.6	9.6	9.1	7.8	7.1
62.5°	13.7	13.7	12.6	11.4	10.2	8.8	8.1	10.8	11.9	10.5	8.8
60°	17.6	18.4	17.6	16.0	14.5	12.8	11.6	12.2	13.7	13.2	11.2
57.5°	24.4	23.7	23.3	21.2	18.7	16.8	15.7	15.3	15.7	15.5	13.6
55°	43.0	30.0	30.1	27.8	24.0	20.7	19.8	19.1	18.2	17.9	15.9
52.5°	108.9	60.5	38.8	35.8	31.2	25.5	23.9	22.8	21.6	20.4	18.2
50°	201.1	130.2	73.8	46.3	39.4	33.6	27.9	26.5	24.9	23.2	20.4
47.5°	321.9	223.9	145.5	73.0	50.9	42.0	34.9	30.1	28.2	26.2	22.6
45°	495.9	329.9	228.7	144.5	67.8	57.9	43.1	33.7	31.5	28.9	24.7
42.5°	689.9	484.0	320.9	218.3	129.6	80.2	51.6	40.9	34.7	31.9	27.1
40°	880.2	668.9	431.0	301.0	195.5	107.6	74.3	48.9	38.0	35.0	29.8
37.5°	1090.8	864.5	603.7	389.2	262.7	164.2	101.8	57.0	43.2	38.2	32.5
35°	1351.2	1081.4	776.6	518.5	347.9	216.8	132.4	72.5	53.0	41.7	35.4
32.5°	1611.3	1298.0	963.5	668.9	436.9	265.2	172.3	103.5	64.6	45.2	38.3
30°	1873.0	1496.4	1139.4	808.1	539.3	342.9	215.2	133.6	77.8	49.0	41.3
27.5°	2108.7	1683.6	1304.1	953.5	659.5	425.0	260.1	162.7	92.5	55.5	44.3
25°	2374.9	1886.0	1466.2	1092.5	769.4	510.6	306.1	191.3	114.0	66.8	47.4
22.5°	2717.4	2093.9	1616.4	1218.5	878.2	592.4	365.4	229.1	137.5	78.8	50.5
20°	3058.0	2297.1	1763.5	1376.5	996.5	684.6	433.9	266.6	159.9	91.1	53.6
17.5°	3392.2	2557.4	1977.6	1537.7	1123.1	770.7	497.8	303.4	181.1	103.8	56.6
15°	3691.8	2855.5	2188.1	1690.3	1247.1	850.4	557.0	339.3	200.8	116.5	60.6
12.5°	3943.5	3112.5	2386.3	1833.1	1366.6	923.2	611.1	373.6	219.2	130.6	66.0
10°	4151.4	3329.9	2570.1	1964.9	1479.4	988.7	659.9	408.0	240.5	145.5	71.7
7.5°	4317.5	3509.5	2737.2	2084.7	1581.8	1049.9	712.2	444.2	261.2	159.8	77.6
5°	4442.4	3649.6	2866.4	2170.6	1663.2	1106.2	760.5	477.4	280.5	173.1	83.3
2.5°	4523.7	3752.8	2962.2	2238.0	1729.5	1153.5	803.0	507.3	298.1	185.2	88.9
0°	4571.5	3826.6	3034.6	2289.7	1780.0	1191.9	839.0	533.2	313.7	196.0	94.1
-2.5°	4614.3	3874.9	3097.8	2379.9	1814.7	1254.8	862.1	556.6	338.5	203.8	103.7
-5°	4628.4	3896.2	3139.2	2449.4	1835.7	1305.8	878.3	575.7	360.1	210.1	112.4
-7.5°	4604.6	3883.4	3153.8	2488.9	1845.5	1341.8	887.7	590.6	377.8	215.0	120.1
-10°	4551.5	3841.4	3134.6	2477.0	1858.8	1353.1	893.2	601.6	390.6	218.6	126.4
-12.5°	4472.9	3777.9	3093.4	2450.7	1856.5	1345.9	907.9	610.2	397.3	221.1	131.1
-15°	4369.9	3694.9	3030.4	2411.8	1834.2	1329.7	911.6	613.3	396.6	225.7	134.0
-17.5°	4248.6	3594.2	2946.0	2362.3	1790.7	1305.3	903.4	609.5	392.6	232.4	136.8
-20°	4127.2	3482.3	2845.8	2303.8	1725.1	1273.7	882.4	598.3	385.4	236.8	139.7

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Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627970 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-722-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°	3984.8	3353.8	2759.3	2222.2	1654.1	1235.5	848.0	579.3	375.1	238.7	140.9
-25°	3821.3	3203.7	2655.2	2110.0	1598.2	1192.3	812.5	552.2	361.8	238.1	140.5
-27.5°	3636.4	3043.5	2532.7	1987.1	1540.0	1132.0	778.9	532.3	350.5	234.7	138.4
-30°	3430.1	2892.6	2386.2	1869.0	1469.0	1066.9	734.9	510.1	345.4	230.3	134.5
-32.5°	3207.7	2722.7	2228.7	1779.0	1388.2	999.3	696.0	484.9	336.8	224.7	134.7
-35°	2999.2	2537.8	2068.1	1675.1	1302.6	959.2	670.0	457.0	324.6	216.9	135.5
-37.5°	2775.9	2344.0	1940.8	1566.7	1212.4	913.2	648.9	444.5	308.9	206.9	134.9
-40°	2561.0	2160.1	1793.5	1463.4	1145.6	861.4	615.8	430.5	293.8	194.7	133.1
-42.5°	2343.6	1987.2	1652.6	1351.0	1082.6	811.3	573.4	409.2	281.6	187.7	130.1
-45°	2143.4	1808.7	1502.7	1253.0	1012.7	747.2	540.8	382.4	266.6	182.6	127.3
-47.5°	1933.0	1627.0	1365.7	1145.7	921.1	677.4	499.3	361.2	248.6	176.0	125.5
-50°	1715.9	1454.8	1237.5	1027.8	809.1	619.3	455.0	336.0	242.2	170.8	122.4
-52.5°	1525.8	1303.6	1106.5	906.6	724.6	551.3	421.3	309.0	233.6	166.4	118.0
-55°	1362.2	1159.8	977.4	807.2	644.1	501.2	383.2	296.1	223.0	161.0	112.7
-57.5°	1217.5	1026.5	871.5	718.6	576.8	453.0	356.4	280.9	211.9	153.4	108.0
-60°	1076.9	920.1	775.2	638.9	514.0	411.4	335.5	263.3	198.6	143.8	102.7
-62.5°	946.9	808.9	682.8	559.6	457.8	377.6	311.5	242.7	183.0	131.9	95.7
-65°	810.5	692.9	586.3	489.7	406.8	337.9	280.5	219.4	162.4	117.5	86.7
-67.5°	668.8	582.5	499.3	418.8	351.0	293.2	244.9	188.6	138.3	100.9	76.1
-70°	557.0	481.0	410.5	347.3	292.1	244.9	200.1	152.4	111.5	86.4	64.8
-72.5°	443.4	381.5	323.7	273.4	234.0	193.9	153.2	116.7	92.5	71.2	53.0
-75°	328.2	286.3	248.7	213.7	178.2	143.2	116.8	92.8	72.8	55.4	44.7
-77.5°	238.1	207.9	180.2	158.1	133.7	110.3	88.2	68.0	55.1	46.0	37.6
-80°	161.8	145.9	130.6	115.1	95.5	76.9	63.6	52.3	44.4	37.1	30.3
-82.5°	101.9	93.4	85.8	78.0	66.6	56.3	47.2	39.5	33.5	28.0	24.6
-85°	60.4	55.9	51.5	47.1	40.8	35.2	32.5	30.1	27.5	24.9	22.3
-87.5°	34.1	33.6	33.1	32.5	30.9	29.4	28.0	26.8	24.5	22.3	20.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.9	5.8

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REPORT NUMBER: P627970 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	15.7	13.7	11.8	9.8	7.8	7.8	7.8
87.5°	5.8	6.5	7.1	7.5	7.8	7.8	7.8
85°	3.8	5.3	6.5	7.3	7.8	7.8	7.8
82.5°	1.8	4.1	5.8	7.1	7.8	7.8	7.8
80°	0.4	2.9	5.2	6.8	7.8	7.8	7.8
77.5°	2.4	2.6	4.6	6.6	7.8	7.8	7.8
75°	4.4	3.8	4.3	6.4	7.8	7.8	7.8
72.5°	6.2	5.1	5.0	6.3	7.8	7.8	7.8
70°	7.8	6.2	5.6	6.2	7.8	7.8	7.8
67.5°	8.0	7.3	6.2	6.5	7.8	7.8	7.8
65°	8.3	8.1	6.8	6.8	7.8	7.8	7.8
62.5°	8.8	8.7	7.3	7.0	7.8	7.8	7.8
60°	9.3	9.4	7.8	7.2	7.8	7.8	7.8
57.5°	11.1	10.1	8.5	7.4	7.9	7.8	7.8
55°	13.1	11.0	9.3	7.5	8.0	7.8	7.8
52.5°	15.1	12.0	10.2	7.7	8.2	7.8	7.8
50°	17.0	13.6	11.1	7.8	8.3	7.8	7.8
47.5°	18.9	15.2	12.0	8.0	8.5	7.8	7.8
45°	20.7	16.7	12.9	8.7	8.8	7.8	7.8
42.5°	22.5	18.2	13.9	9.4	9.0	7.8	7.8
40°	24.3	19.6	15.0	10.4	9.3	7.8	7.8
37.5°	26.0	21.1	16.1	11.4	9.6	7.8	7.8
35°	27.6	22.4	17.2	12.5	9.9	7.8	7.8
32.5°	29.4	23.7	18.3	13.5	10.3	7.8	7.8
30°	31.8	25.0	19.3	14.4	10.7	7.8	7.8
27.5°	34.1	26.2	20.5	15.4	11.1	7.8	7.8
25°	36.4	27.4	21.7	16.3	11.5	7.8	7.8
22.5°	38.7	28.6	22.9	17.2	11.9	7.8	7.8
20°	40.9	30.0	24.0	18.1	12.4	7.8	7.8
17.5°	43.2	31.4	25.1	18.9	12.8	7.8	7.8
15°	45.4	32.7	26.2	19.6	13.3	7.8	7.8
12.5°	47.4	34.0	27.2	20.4	13.7	7.8	7.8
10°	49.2	35.2	28.1	21.1	14.1	7.8	7.8
7.5°	50.9	36.3	29.0	21.8	14.5	7.8	7.8
5°	52.4	37.3	29.9	22.4	15.0	7.8	7.8
2.5°	53.8	38.3	30.7	23.0	15.3	7.8	7.8
0°	54.9	39.2	31.4	23.5	15.7	7.8	7.8
-2.5°	57.9	40.0	32.1	23.5	15.7	7.8	7.8
-5°	60.7	40.8	32.6	23.4	15.6	7.8	7.8
-7.5°	63.2	41.4	33.1	23.3	15.6	7.8	7.8
-10°	65.2	42.0	33.5	23.1	15.5	7.8	7.8
-12.5°	66.7	42.5	33.7	22.9	15.3	7.8	7.8
-15°	67.7	43.0	33.8	22.7	15.2	7.8	7.8
-17.5°	68.0	43.3	33.8	22.4	15.0	7.8	7.8
-20°	69.7	43.6	33.5	22.1	14.7	7.8	7.8

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REPORT NUMBER: P627970 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	74.2	43.8	33.1	21.7	14.5	7.8	7.8
-25°	77.9	46.6	32.5	21.3	14.2	7.8	7.8
-27.5°	80.7	50.3	31.8	20.8	13.9	7.8	7.8
-30°	82.7	53.4	31.0	20.4	13.6	7.8	7.8
-32.5°	83.7	56.0	32.1	19.8	13.2	7.8	7.8
-35°	86.0	58.1	33.0	19.3	12.8	7.8	7.8
-37.5°	88.3	59.4	33.5	18.6	12.4	7.8	7.8
-40°	89.7	59.8	33.7	18.0	12.0	7.8	7.8
-42.5°	90.2	59.9	34.0	17.6	11.5	7.8	7.8
-45°	89.7	59.4	34.2	17.7	11.1	7.8	7.8
-47.5°	88.4	58.5	33.9	17.6	10.6	7.8	7.8
-50°	86.5	57.2	33.3	17.4	10.0	7.8	7.8
-52.5°	84.1	55.4	32.3	17.0	9.5	7.8	7.8
-55°	81.1	53.1	30.9	16.6	9.0	7.8	7.8
-57.5°	77.6	50.3	29.2	16.0	8.4	7.8	7.8
-60°	73.3	46.8	27.1	15.3	7.8	7.8	7.8
-62.5°	67.4	42.8	25.6	14.4	7.8	7.8	7.8
-65°	60.7	38.4	24.0	13.5	7.8	7.8	7.8
-67.5°	53.4	34.5	22.1	12.4	7.8	7.8	7.8
-70°	45.4	31.3	20.1	11.3	7.8	7.8	7.8
-72.5°	40.1	27.9	17.9	11.0	7.8	7.8	7.8
-75°	34.9	24.3	15.6	10.9	7.8	7.8	7.8
-77.5°	29.5	20.5	14.8	10.8	7.8	7.8	7.8
-80°	23.9	18.5	14.2	10.7	7.8	7.8	7.8
-82.5°	21.6	17.4	13.7	10.5	7.8	7.8	7.8
-85°	19.7	16.2	13.1	10.3	7.8	7.8	7.8
-87.5°	17.7	15.0	12.4	10.0	7.8	7.8	7.8
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8

(END OF REPORT)