

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: P627250 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3E-722-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627250 (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-SA3E-722-U-VWR-VSR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	14603.7 lumens	Max Intensity:	10942.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	78.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' 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:	8449.2 lumens	Field Lumens:	13858 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	185.2		
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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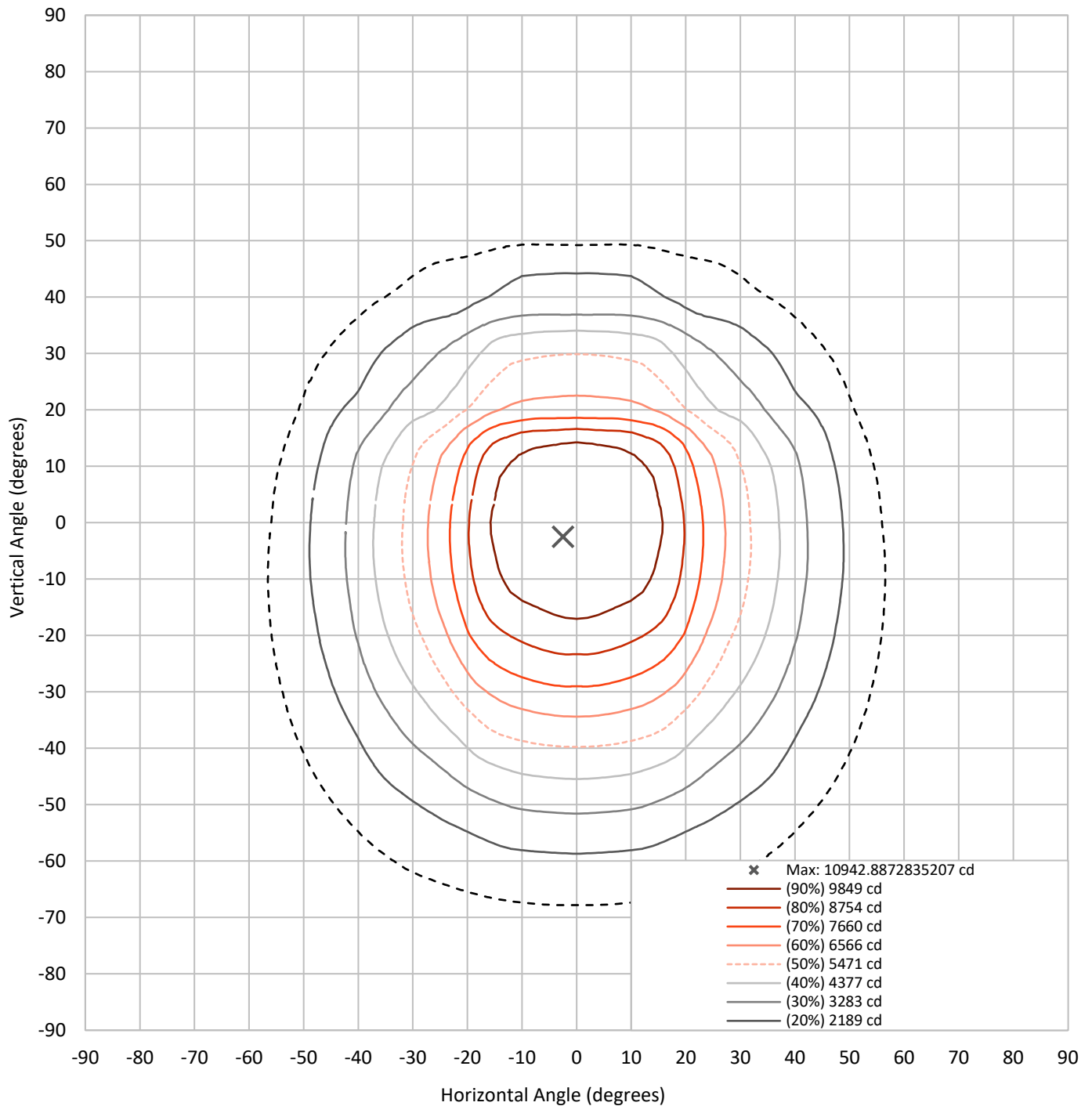
Scaled Data Report



REPORT NUMBER: P627250 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-U-VWR-VSR-XX

### Iso-Candela Plot





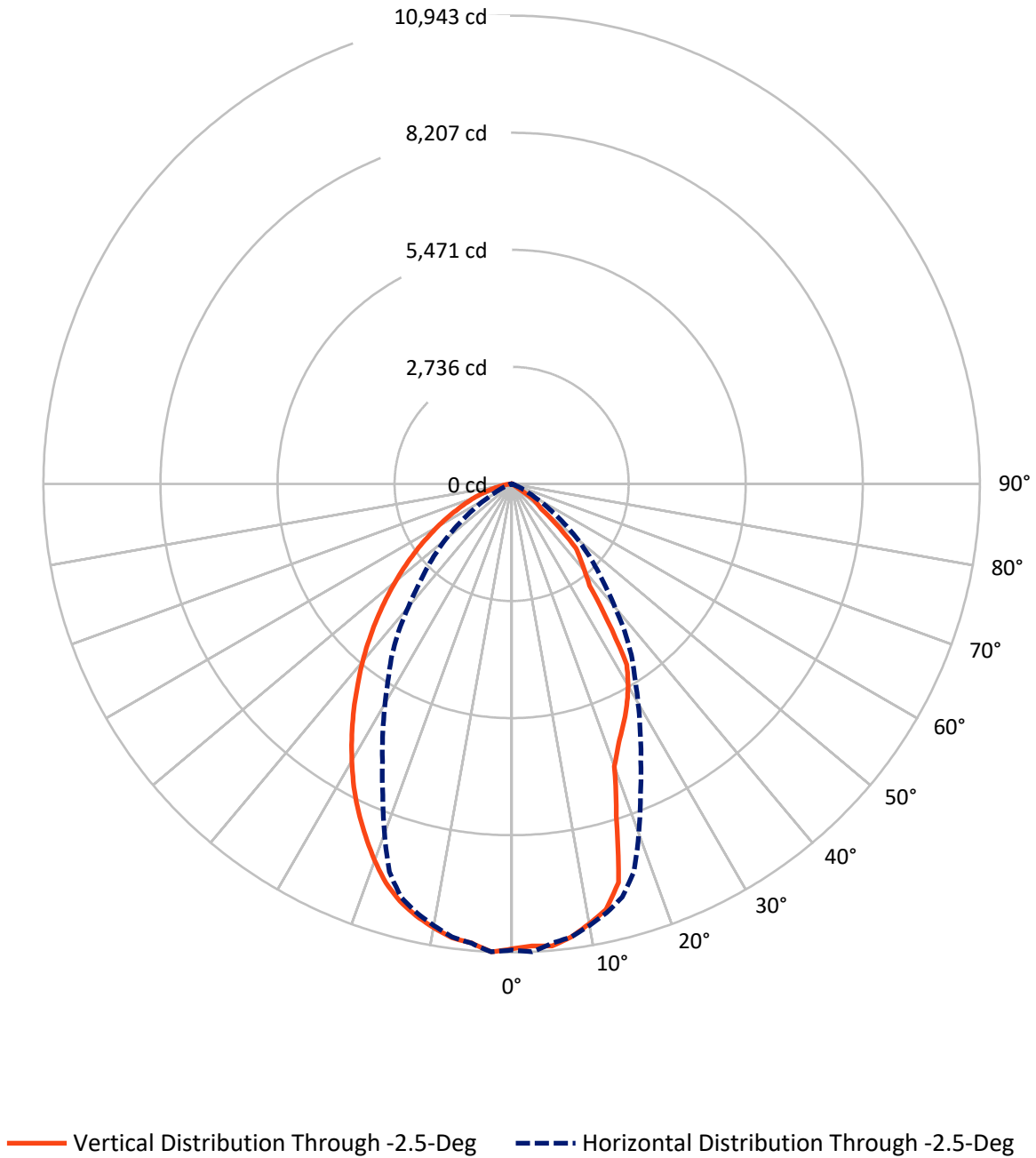
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### Lumen Table

90																			
80	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
70																			
60	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
50		0.1	0.3	1.4	4.0	7.7	11.4	14.2	14.2	11.4	7.7	4.0	1.4	0.3	0.1				
40	0.2	0.3	1.6	7.5	18.1	32.6	48.1	58.9	58.9	48.1	32.6	18.1	7.5	1.6	0.3			0.2	
30		0.7	5.4	19.0	42.3	68.6	102.9	120.3	120.3	102.9	68.6	42.3	19.0	5.4	0.7				
20	0.4	1.6	10.5	33.6	68.2	108.1	162.2	186.4	186.4	162.2	108.1	68.2	33.6	10.5	1.6			0.4	
10		2.8	16.1	49.7	98.2	161.7	240.7	276.1	276.1	240.7	161.7	98.2	49.7	16.1	2.8				
0	0.7	3.8	20.9	59.1	117.5	193.2	284.2	322.6	322.6	284.2	193.2	117.5	59.1	20.9	3.8			0.7	
-10		4.5	23.1	61.3	120.6	197.6	286.3	323.7	323.7	286.3	197.6	120.6	61.3	23.1	4.5				
-20	0.9	4.7	22.6	58.1	113.8	185.1	265.7	300.3	300.3	265.7	185.1	113.8	58.1	22.6	4.7			0.9	
-30		4.3	19.7	50.7	98.3	157.3	222.8	252.3	252.3	222.8	157.3	98.3	50.7	19.7	4.3				
-40	0.9	3.6	15.7	39.8	77.3	121.3	170.1	192.6	192.6	170.1	121.3	77.3	39.8	15.7	3.6			0.9	
-50		2.9	11.6	28.4	55.4	85.3	117.8	133.7	133.7	117.8	85.3	55.4	28.4	11.6	2.9				
-60	0.7	2.1	7.6	18.2	34.4	53.0	72.0	82.1	82.1	72.0	53.0	34.4	18.2	7.6	2.1			0.7	
-70		1.5	4.6	10.7	18.9	28.1	37.2	42.1	42.1	37.2	28.1	18.9	10.7	4.6	1.5				
-80	0.3	3.4	15.7	34.3	38.4	34.3	15.7	3.4	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

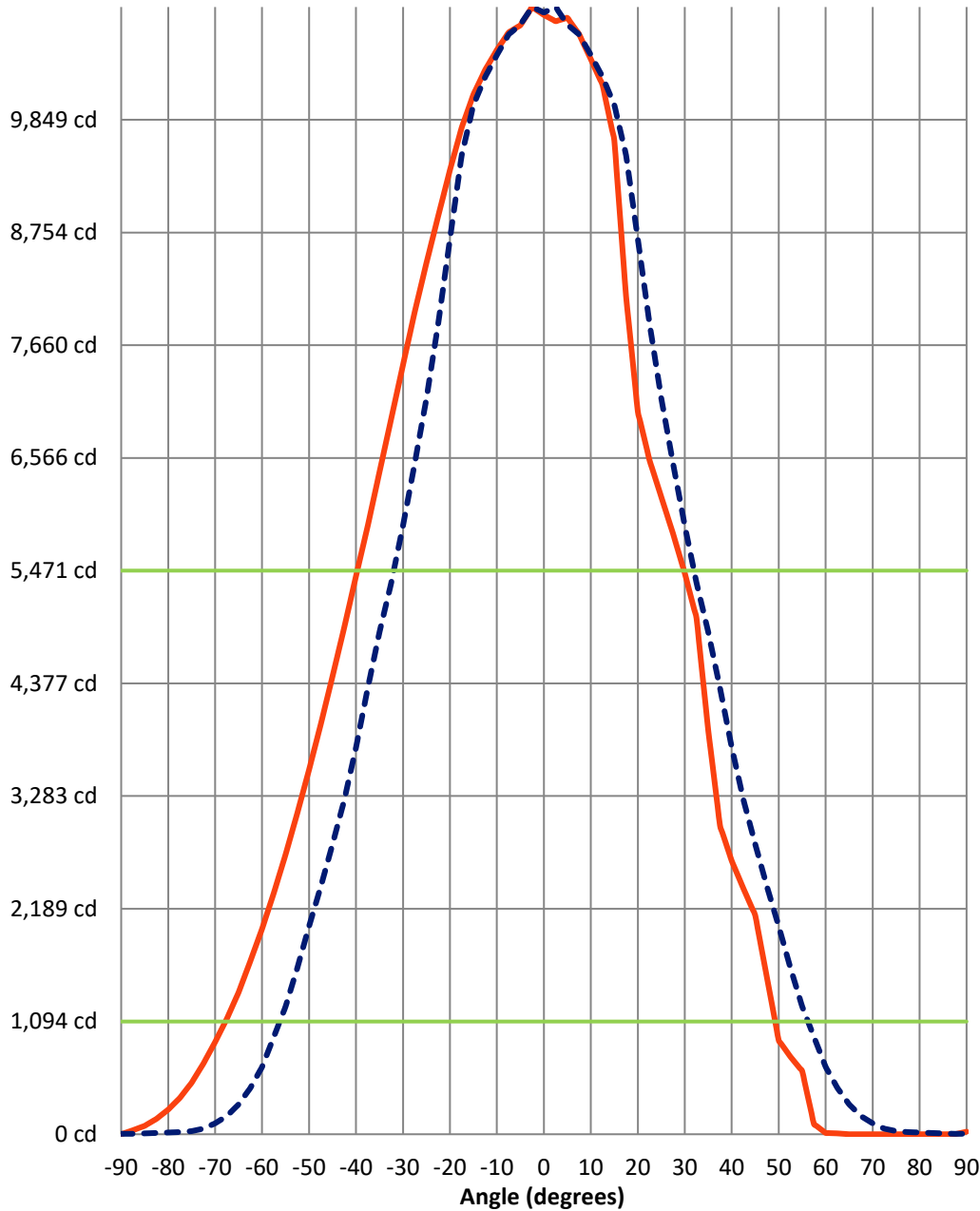
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 8449.2  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 13858  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 745.7  
 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°	4.1	4.1	4.1	5.1	6.2	7.2	8.2	9.2	10.3	11.3	12.3
87.5°	4.1	4.1	4.1	4.0	3.7	3.4	3.0	2.2	1.4	0.6	0.0
85°	4.1	4.1	4.1	3.8	3.4	2.8	2.0	1.2	0.7	0.2	0.0
82.5°	4.1	4.1	4.1	3.7	3.1	2.1	1.0	0.3	0.1	0.6	1.1
80°	4.1	4.1	4.1	3.6	2.7	1.5	0.2	0.8	1.5	2.1	2.8
77.5°	4.1	4.1	4.1	3.5	2.4	1.4	1.3	2.0	2.9	3.7	3.7
75°	4.1	4.1	4.1	3.4	2.2	2.0	2.3	3.2	4.0	3.3	2.2
72.5°	4.1	4.1	4.1	3.3	2.6	2.7	3.3	4.0	3.5	2.4	0.7
70°	4.1	4.1	4.1	3.3	2.9	3.3	4.1	3.9	3.0	1.6	1.9
67.5°	4.1	4.1	4.1	3.4	3.3	3.8	4.2	3.8	2.7	3.2	3.7
65°	4.1	4.1	4.1	3.6	3.6	4.2	4.4	3.7	4.1	4.8	5.1
62.5°	4.1	4.1	4.1	3.7	3.8	4.6	4.6	4.6	5.5	6.2	5.7
60°	4.1	4.1	4.1	3.8	4.1	4.9	4.9	5.9	6.9	7.1	6.4
57.5°	4.1	4.1	4.1	3.9	4.5	5.3	5.8	7.1	8.1	8.2	8.0
55°	4.1	4.1	4.2	4.0	4.9	5.7	6.9	8.3	9.4	9.5	9.9
52.5°	4.1	4.1	4.3	4.0	5.3	6.3	7.9	9.5	10.7	11.2	11.9
50°	4.1	4.1	4.4	4.1	5.8	7.1	8.9	10.7	12.1	13.0	13.8
47.5°	4.1	4.1	4.5	4.2	6.3	7.9	9.9	11.8	13.7	14.7	15.7
45°	4.1	4.1	4.6	4.6	6.8	8.7	10.8	12.9	15.1	16.4	17.6
42.5°	4.1	4.1	4.7	4.9	7.3	9.5	11.8	14.1	16.6	18.1	21.3
40°	4.1	4.1	4.9	5.4	7.8	10.3	12.7	15.5	18.2	19.8	25.5
37.5°	4.1	4.1	5.0	6.0	8.4	11.0	13.5	16.9	19.9	22.5	29.7
35°	4.1	4.1	5.2	6.5	9.0	11.7	14.4	18.4	21.7	27.6	37.8
32.5°	4.1	4.1	5.4	7.0	9.5	12.4	15.3	19.9	23.6	33.7	53.9
30°	4.1	4.1	5.6	7.6	10.1	13.0	16.5	21.5	25.5	40.6	69.6
27.5°	4.1	4.1	5.8	8.1	10.7	13.7	17.7	23.1	28.9	48.2	84.8
25°	4.1	4.1	6.0	8.5	11.3	14.3	19.0	24.7	34.8	59.4	99.6
22.5°	4.1	4.1	6.2	9.0	12.0	14.9	20.1	26.3	41.0	71.7	119.3
20°	4.1	4.1	6.5	9.4	12.5	15.6	21.3	27.9	47.5	83.3	138.9
17.5°	4.1	4.1	6.7	9.9	13.1	16.3	22.5	29.5	54.1	94.3	158.1
15°	4.1	4.1	6.9	10.3	13.7	17.0	23.6	31.6	60.7	104.6	176.7
12.5°	4.1	4.1	7.2	10.7	14.2	17.7	24.7	34.4	68.0	114.1	194.6
10°	4.1	4.1	7.4	11.0	14.6	18.3	25.7	37.4	75.8	125.3	212.5
7.5°	4.1	4.1	7.6	11.4	15.1	18.9	26.5	40.4	83.2	136.1	231.4
5°	4.1	4.1	7.8	11.7	15.5	19.4	27.3	43.4	90.2	146.1	248.7
2.5°	4.1	4.1	8.0	12.0	15.9	19.9	28.0	46.3	96.5	155.2	264.3
0°	4.1	4.1	8.2	12.3	16.3	20.4	28.6	49.0	102.1	163.4	277.8
-2.5°	4.1	4.1	8.2	12.3	16.3	20.4	28.6	49.0	102.1	163.4	277.8
-5°	4.1	4.1	8.2	12.3	16.3	20.4	28.6	49.0	102.1	163.4	277.8
-7.5°	4.1	4.1	8.1	12.2	17.2	21.6	32.9	62.6	112.0	196.8	307.7
-10°	4.1	4.1	8.1	12.1	17.4	21.9	33.9	65.8	113.8	203.5	313.4
-12.5°	4.1	4.1	8.0	12.0	17.5	22.2	34.7	68.3	115.1	207.0	317.9
-15°	4.1	4.1	7.9	11.9	17.6	22.4	35.2	69.8	117.5	206.6	319.5
-17.5°	4.1	4.1	7.8	11.7	17.6	22.6	35.4	71.3	121.1	204.6	317.5
-20°	4.1	4.1	7.7	11.6	17.5	22.7	36.3	72.8	123.4	200.8	311.7

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA3E-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°	4.1	4.1	7.6	11.4	17.3	22.8	38.7	73.4	124.4	195.4	301.8
-25°	4.1	4.1	7.4	11.1	17.0	24.3	40.6	73.2	124.0	188.5	287.7
-27.5°	4.1	4.1	7.3	10.9	16.6	26.2	42.1	72.1	122.3	182.6	277.3
-30°	4.1	4.1	7.1	10.6	16.2	27.8	43.1	70.1	120.0	179.9	265.7
-32.5°	4.1	4.1	6.9	10.4	16.8	29.2	43.6	70.2	117.1	175.5	252.6
-35°	4.1	4.1	6.7	10.1	17.2	30.2	44.8	70.6	113.0	169.1	238.1
-37.5°	4.1	4.1	6.5	9.7	17.5	30.9	46.0	70.3	107.8	160.9	231.6
-40°	4.1	4.1	6.3	9.4	17.6	31.2	46.7	69.4	101.4	153.1	224.3
-42.5°	4.1	4.1	6.0	9.2	17.7	31.2	47.0	67.8	97.8	146.7	213.2
-45°	4.1	4.1	5.8	9.3	17.8	31.0	46.8	66.3	95.1	138.9	199.2
-47.5°	4.1	4.1	5.5	9.2	17.7	30.5	46.1	65.4	91.7	129.5	188.2
-50°	4.1	4.1	5.3	9.1	17.4	29.8	45.1	63.8	89.0	126.2	175.1
-52.5°	4.1	4.1	5.0	8.9	16.8	28.9	43.8	61.5	86.7	121.7	161.0
-55°	4.1	4.1	4.7	8.7	16.1	27.7	42.3	58.7	83.9	116.2	154.3
-57.5°	4.1	4.1	4.4	8.3	15.2	26.2	40.4	56.3	79.9	110.4	146.3
-60°	4.1	4.1	4.1	8.0	14.1	24.4	38.1	53.5	74.9	103.5	137.2
-62.5°	4.1	4.1	4.1	7.5	13.4	22.3	35.1	49.8	68.7	95.3	126.5
-65°	4.1	4.1	4.1	7.1	12.5	20.0	31.6	45.1	61.2	84.6	114.3
-67.5°	4.1	4.1	4.1	6.5	11.5	18.0	27.8	39.6	52.5	72.0	98.2
-70°	4.1	4.1	4.1	5.9	10.5	16.3	23.7	33.8	45.0	58.1	79.4
-72.5°	4.1	4.1	4.1	5.8	9.4	14.6	20.9	27.6	37.1	48.2	60.8
-75°	4.1	4.1	4.1	5.7	8.2	12.7	18.2	23.3	28.9	38.0	48.3
-77.5°	4.1	4.1	4.1	5.7	7.7	10.8	15.4	19.6	24.0	28.7	35.5
-80°	4.1	4.1	4.1	5.6	7.5	9.7	12.5	15.8	19.3	23.2	27.3
-82.5°	4.1	4.1	4.1	5.5	7.2	9.1	11.3	12.8	14.6	17.4	20.5
-85°	4.1	4.1	4.1	5.4	6.8	8.5	10.3	11.6	13.0	14.3	15.6
-87.5°	4.1	4.1	4.1	5.3	6.5	7.8	9.3	10.4	11.6	12.8	14.0
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.1	2.0	1.0	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°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	13.3	14.3	15.3
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°	1.2	1.1	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.7	2.2	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.3	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.9	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.7	1.2	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2.3	2.5	1.7	0.7	0.0	0.2	0.6	0.4	0.0	0.2	0.5
67.5°	3.8	2.8	1.9	1.2	1.5	2.1	1.9	2.1	2.2	2.4	2.1
65°	4.0	3.0	3.1	3.6	4.0	4.4	4.8	5.1	4.3	3.7	3.8
62.5°	4.3	4.6	5.3	6.0	6.6	7.1	7.2	6.4	4.8	6.1	7.0
60°	6.1	6.7	7.6	8.4	9.2	9.6	9.2	9.3	10.3	12.0	23.0
57.5°	8.2	8.8	9.8	11.1	12.2	12.4	12.7	13.8	32.4	52.8	58.4
55°	10.3	10.8	12.5	14.5	15.7	15.6	22.4	47.2	71.2	98.7	108.9
52.5°	12.4	13.3	16.3	18.7	20.2	31.5	56.7	90.4	125.9	157.5	198.2
50°	14.6	17.5	20.5	24.1	38.4	67.8	104.8	150.8	204.3	254.7	306.3
47.5°	18.2	21.9	26.5	38.0	75.8	116.6	167.7	241.7	307.7	368.7	439.5
45°	22.5	30.2	35.3	75.3	119.1	171.8	258.3	348.8	408.7	490.3	615.6
42.5°	26.9	41.8	67.5	113.7	167.1	252.1	359.4	436.5	516.2	648.5	780.2
40°	38.7	56.1	101.9	156.8	224.5	348.4	458.5	545.8	654.7	801.3	938.8
37.5°	53.1	85.6	136.9	202.7	314.5	450.3	568.2	693.0	818.0	956.3	1211.4
35°	69.0	113.0	181.2	270.1	404.6	563.3	703.9	843.2	987.4	1259.7	1512.8
32.5°	89.8	138.2	227.6	348.4	501.9	676.2	839.4	1000.4	1231.6	1539.9	1793.8
30°	112.1	178.7	280.9	420.9	593.5	779.5	975.7	1170.7	1476.8	1731.8	2007.5
27.5°	135.5	221.4	343.5	496.7	679.4	877.1	1098.5	1376.7	1649.6	1901.6	2204.6
25°	159.5	266.0	400.8	569.1	763.8	982.5	1237.2	1576.0	1789.6	2068.0	2384.0
22.5°	190.4	308.6	457.5	634.8	842.0	1090.8	1415.6	1755.9	2007.2	2241.4	2550.1
20°	226.0	356.6	519.1	717.0	918.7	1196.6	1593.0	1950.9	2246.5	2514.7	2798.3
17.5°	259.3	401.5	585.1	801.0	1030.2	1332.2	1767.1	2163.2	2488.4	2787.3	3141.4
15°	290.2	443.0	649.7	880.5	1139.9	1487.6	1923.2	2358.2	2729.6	3065.9	3468.2
12.5°	318.3	480.9	711.9	954.9	1243.1	1621.5	2054.3	2478.9	2887.1	3325.3	3781.9
10°	343.7	515.0	770.6	1023.6	1338.9	1734.7	2162.6	2579.5	2991.4	3455.1	3962.4
7.5°	371.0	546.9	824.0	1086.0	1426.0	1828.3	2249.2	2660.3	3075.6	3559.0	4079.7
5°	396.2	576.2	866.4	1130.7	1493.3	1901.3	2314.3	2721.6	3139.6	3636.3	4168.6
2.5°	418.3	600.9	901.0	1165.8	1543.2	1955.0	2356.6	2772.7	3187.0	3699.2	4236.4
0°	437.1	620.9	927.3	1192.8	1580.9	1993.4	2381.5	2806.3	3214.8	3741.8	4281.0
-2.5°	449.1	653.7	945.4	1239.8	1613.8	2018.6	2403.8	2815.7	3244.7	3755.3	4331.1
-5°	457.6	680.3	956.3	1276.0	1635.4	2029.7	2411.1	2808.5	3252.7	3751.9	4338.4
-7.5°	462.5	699.0	961.4	1296.6	1643.0	2023.0	2398.7	2794.6	3239.7	3739.0	4306.0
-10°	465.3	704.9	968.3	1290.4	1633.0	2001.1	2371.1	2762.2	3202.6	3697.2	4244.3
-12.5°	473.0	701.2	967.1	1276.7	1611.5	1968.1	2330.1	2710.8	3140.8	3626.0	4159.1
-15°	474.9	692.7	955.5	1256.4	1578.7	1924.8	2276.4	2640.3	3064.6	3556.6	4064.9
-17.5°	470.6	680.0	932.9	1230.6	1534.7	1872.3	2213.3	2576.9	2993.3	3476.5	3966.0
-20°	459.7	663.5	898.7	1200.2	1482.6	1814.1	2150.0	2510.3	2911.1	3365.3	3855.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627250 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-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°	441.8	643.6	861.7	1157.7	1437.5	1747.1	2075.9	2419.7	2808.3	3221.3	3706.4
-25°	423.3	621.1	832.6	1099.2	1383.2	1669.0	1990.7	2308.8	2687.4	3093.0	3523.5
-27.5°	405.7	589.7	802.3	1035.2	1319.4	1585.5	1894.3	2204.6	2551.5	2949.0	3345.4
-30°	382.8	555.8	765.3	973.7	1243.1	1506.9	1786.9	2092.3	2404.2	2781.5	3171.5
-32.5°	362.5	520.5	723.2	926.7	1161.1	1418.4	1671.1	1962.1	2266.5	2588.1	2973.5
-35°	349.0	499.7	678.5	872.6	1077.3	1322.1	1562.4	1815.3	2110.1	2411.9	2750.3
-37.5°	338.1	475.7	631.6	816.1	1011.0	1221.1	1446.1	1678.7	1936.0	2240.3	2558.4
-40°	320.8	448.7	596.8	762.3	934.3	1125.3	1334.1	1544.8	1767.7	2065.0	2378.9
-42.5°	298.7	422.6	564.0	703.8	860.9	1035.2	1220.9	1419.2	1633.5	1891.7	2180.3
-45°	281.7	389.2	527.5	652.7	782.8	942.2	1116.6	1296.2	1498.4	1720.1	1979.2
-47.5°	260.1	352.9	479.8	596.8	711.4	847.5	1007.0	1177.0	1356.1	1555.8	1768.2
-50°	237.0	322.6	421.5	535.4	644.7	757.9	893.9	1051.1	1213.6	1387.7	1577.2
-52.5°	219.5	287.2	377.5	472.3	576.4	679.1	794.9	929.7	1074.8	1220.2	1387.0
-55°	199.6	261.1	335.5	420.5	509.2	604.2	709.6	827.7	946.0	1079.6	1212.6
-57.5°	185.6	236.0	300.5	374.4	454.0	534.7	634.3	734.1	843.6	954.2	1064.5
-60°	174.8	214.3	267.8	332.9	403.9	479.3	561.0	653.2	747.5	837.8	933.1
-62.5°	162.3	196.7	238.5	291.6	355.7	421.4	493.3	572.3	657.6	733.6	807.5
-65°	146.1	176.0	211.9	255.1	305.5	361.0	422.3	488.9	562.6	624.3	684.7
-67.5°	127.5	152.8	182.9	218.2	260.2	303.5	348.5	404.8	464.6	515.0	564.2
-70°	104.3	127.6	152.2	181.0	213.9	250.6	290.2	331.1	372.0	413.1	458.1
-72.5°	79.8	101.0	121.9	142.4	168.7	198.7	231.0	265.3	301.1	336.2	370.4
-75°	60.9	74.6	92.9	111.4	129.6	149.1	171.0	198.2	231.5	265.5	296.8
-77.5°	46.0	57.5	69.7	82.4	93.9	108.3	124.0	141.0	168.4	199.9	231.7
-80°	33.1	40.1	49.7	59.9	68.0	76.0	84.3	92.9	113.3	138.6	165.7
-82.5°	24.6	29.3	34.7	40.6	44.7	48.7	53.1	58.8	73.9	91.1	109.1
-85°	16.9	18.3	21.2	24.5	26.8	29.1	31.5	33.9	42.1	51.2	61.0
-87.5°	14.6	15.3	16.1	16.9	17.2	17.5	17.8	18.0	20.8	23.7	26.6
-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: P627250 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-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°	16.3	17.3	18.4	19.4	20.4	21.4	22.5	23.5	24.5	24.5	24.5
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°	0.4	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1.9	2.1	2.1	1.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
65°	4.3	4.1	3.1	2.0	1.0	1.5	2.5	3.0	3.0	2.7	2.1
62.5°	6.5	6.0	5.4	6.2	7.5	8.6	8.3	7.8	7.3	6.9	7.2
60°	24.2	16.1	18.6	23.4	21.9	15.0	24.6	27.9	23.7	16.2	15.7
57.5°	61.2	59.1	67.7	98.9	108.9	99.2	118.5	143.9	143.1	123.2	122.6
55°	130.4	175.0	228.8	237.5	275.0	350.0	408.5	382.9	382.7	401.9	464.0
52.5°	247.8	289.8	305.5	347.3	425.6	482.4	518.9	556.7	598.1	640.3	683.1
50°	363.6	404.5	450.8	493.6	602.0	660.3	650.6	728.8	829.0	891.5	923.7
47.5°	533.4	597.7	695.8	849.3	930.2	988.6	1061.3	1149.9	1264.7	1420.3	1540.2
45°	733.3	834.5	986.1	1149.2	1274.7	1331.9	1415.1	1552.3	1735.3	1913.5	2043.6
42.5°	896.6	1035.5	1206.5	1362.4	1464.7	1558.6	1666.4	1782.1	1991.7	2182.0	2332.3
40°	1109.8	1218.0	1409.9	1556.8	1648.4	1741.5	1912.2	2085.5	2282.5	2459.8	2583.0
37.5°	1380.0	1501.8	1701.4	1867.5	1955.7	1988.6	2278.9	2520.1	2680.2	2906.6	2980.6
35°	1670.3	1870.7	2125.0	2340.4	2426.9	2599.6	2898.6	3235.2	3599.8	3733.9	3848.3
32.5°	1994.2	2241.3	2586.5	2817.7	2941.1	3203.1	3581.5	3940.8	4417.6	4676.4	4753.8
30°	2290.4	2574.1	2870.7	3095.5	3306.5	3622.0	3967.1	4410.1	4851.0	5181.9	5284.6
27.5°	2507.9	2821.8	3106.9	3317.4	3555.5	3895.7	4326.0	4774.5	5207.3	5544.9	5664.8
25°	2715.4	3070.2	3296.0	3540.7	3820.3	4191.0	4667.9	5166.3	5592.6	5877.8	6025.0
22.5°	2951.5	3301.3	3543.7	3751.0	4116.5	4543.7	4986.4	5549.5	6001.2	6228.9	6388.3
20°	3195.2	3590.9	3965.4	4158.1	4474.5	5015.4	5510.8	6042.6	6478.7	6715.9	6883.9
17.5°	3535.1	4039.5	4498.7	4771.7	5110.4	5757.2	6375.5	6913.4	7520.0	7734.3	7939.6
15°	3893.6	4477.4	5015.3	5447.8	5885.3	6526.1	7322.1	7971.1	8663.4	8972.5	9322.1
12.5°	4250.9	4803.3	5290.7	5848.7	6465.3	7032.2	7789.9	8598.1	9226.3	9620.6	9855.9
10°	4518.0	5031.1	5500.1	6059.4	6674.9	7316.1	8069.1	8897.5	9555.1	9891.6	10083.6
7.5°	4662.2	5153.3	5648.0	6214.7	6827.5	7510.4	8286.2	9108.2	9780.6	10106.5	10296.1
5°	4769.3	5240.9	5753.1	6349.7	6969.3	7661.7	8436.5	9248.7	9861.8	10208.2	10448.0
2.5°	4834.1	5296.5	5820.1	6437.0	7058.1	7779.3	8591.5	9433.4	9969.8	10248.5	10469.0
0°	4852.9	5318.6	5857.8	6482.8	7120.0	7847.1	8651.8	9485.2	10028.5	10298.1	10522.7
-2.5°	4874.0	5353.5	5907.5	6512.3	7144.2	7869.2	8690.7	9502.7	9991.4	10263.5	10477.2
-5°	4859.3	5356.2	5908.5	6487.9	7123.9	7843.1	8631.7	9390.9	9902.2	10196.3	10408.8
-7.5°	4815.3	5319.3	5865.9	6422.7	7046.6	7774.0	8559.3	9290.4	9808.3	10118.4	10351.0
-10°	4751.3	5240.6	5791.0	6354.9	6971.3	7663.7	8437.0	9163.7	9659.3	9988.6	10259.7
-12.5°	4680.4	5159.6	5690.0	6231.0	6840.6	7524.5	8273.6	8961.5	9454.3	9813.5	10007.1
-15°	4575.3	5054.2	5561.3	6084.5	6678.8	7342.2	8057.8	8717.8	9201.7	9494.0	9708.0
-17.5°	4441.7	4911.6	5392.3	5888.5	6448.4	7101.8	7821.7	8472.6	8867.1	9128.1	9338.5
-20°	4298.5	4733.0	5188.5	5656.8	6199.4	6846.7	7553.7	8121.5	8493.2	8744.0	8942.7



REPORT NUMBER: P627250 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-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°	4135.0	4553.4	4970.4	5418.0	5950.1	6543.5	7168.0	7716.7	8116.4	8344.8	8528.4
-25°	3948.3	4355.3	4751.3	5183.7	5672.7	6206.1	6786.7	7325.9	7683.9	7926.6	8108.6
-27.5°	3747.3	4129.7	4516.5	4904.7	5344.3	5875.8	6413.6	6914.5	7220.0	7464.6	7647.8
-30°	3546.7	3890.6	4248.5	4616.0	5028.6	5507.8	6010.8	6432.0	6754.3	6991.9	7161.9
-32.5°	3329.2	3655.6	3972.6	4316.2	4704.6	5127.0	5568.4	5969.1	6313.4	6531.1	6674.3
-35°	3106.5	3422.5	3712.6	4024.4	4367.1	4731.6	5139.1	5534.2	5874.2	6046.4	6186.1
-37.5°	2874.5	3189.6	3464.7	3725.2	4020.4	4357.9	4754.8	5131.8	5425.6	5573.6	5699.5
-40°	2672.8	2950.2	3197.8	3447.0	3687.0	3986.8	4357.2	4722.2	4957.9	5102.2	5219.1
-42.5°	2476.9	2710.9	2913.7	3137.1	3377.3	3672.8	3971.7	4277.8	4467.3	4627.4	4750.5
-45°	2248.9	2458.0	2648.1	2834.0	3053.0	3322.8	3594.3	3839.5	4016.9	4171.7	4291.7
-47.5°	1996.6	2198.5	2383.2	2549.3	2752.9	2977.9	3206.5	3410.5	3585.8	3738.7	3845.7
-50°	1761.6	1941.9	2122.2	2290.4	2466.8	2648.8	2834.3	3013.3	3179.7	3328.3	3419.3
-52.5°	1551.0	1717.4	1875.0	2022.0	2176.4	2330.2	2483.7	2647.7	2800.8	2941.4	3014.1
-55°	1360.4	1510.5	1652.7	1776.5	1900.4	2022.4	2154.0	2305.4	2446.3	2576.6	2628.8
-57.5°	1189.4	1317.8	1443.7	1548.4	1649.5	1746.5	1862.1	1989.9	2113.2	2224.9	2267.6
-60°	1032.0	1133.9	1239.2	1332.1	1420.2	1503.4	1604.2	1707.1	1807.2	1891.4	1927.7
-62.5°	887.3	974.5	1054.2	1129.7	1204.4	1279.3	1360.6	1442.3	1523.1	1587.9	1620.7
-65°	747.8	817.2	881.2	943.3	1003.6	1066.5	1130.2	1192.3	1252.1	1298.5	1326.9
-67.5°	616.8	669.6	720.4	768.8	819.2	870.2	920.0	967.6	1012.5	1048.3	1075.5
-70°	500.7	541.6	581.3	621.4	663.5	703.1	740.6	776.2	809.6	835.5	856.4
-72.5°	403.6	436.7	471.1	507.2	541.2	570.8	597.8	623.8	648.7	663.3	674.2
-75°	325.3	353.2	383.1	412.3	440.7	463.3	483.1	502.3	520.7	521.7	518.0
-77.5°	262.8	287.7	310.9	333.8	356.5	370.4	382.5	395.0	407.6	400.3	388.8
-80°	192.9	213.7	233.3	253.0	272.8	281.0	286.7	291.7	296.0	286.4	274.6
-82.5°	128.1	141.1	153.9	166.9	180.0	185.3	189.2	192.4	195.0	186.4	176.5
-85°	71.5	77.8	83.9	90.1	96.4	100.1	103.4	106.5	109.3	104.2	98.4
-87.5°	29.7	31.1	32.5	33.9	35.3	36.5	37.8	39.0	40.2	40.4	40.6
-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: P627250 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-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°	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	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	0.0	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°	1.2	0.2	0.0	0.0	0.0	0.2	1.2	2.1	2.7	3.0	3.0
62.5°	7.5	7.8	8.1	8.2	8.1	7.8	7.5	7.2	6.9	7.3	7.8
60°	14.5	12.7	12.2	12.3	12.2	12.7	14.5	15.7	16.2	23.7	27.9
57.5°	113.3	97.0	99.4	110.3	99.4	97.0	113.3	122.6	123.2	143.1	143.9
55°	529.2	590.8	612.5	600.5	612.5	590.8	529.2	464.0	401.9	382.7	382.9
52.5°	717.0	742.2	752.0	751.6	752.0	742.2	717.0	683.1	640.3	598.1	556.7
50°	933.4	924.9	911.7	898.7	911.7	924.9	933.4	923.7	891.5	829.0	728.8
47.5°	1557.8	1530.8	1519.4	1540.0	1519.4	1530.8	1557.8	1540.2	1420.3	1264.7	1149.9
45°	2070.1	2101.7	2125.4	2124.2	2125.4	2101.7	2070.1	2043.6	1913.5	1735.3	1552.3
42.5°	2361.8	2378.7	2383.6	2377.4	2383.6	2378.7	2361.8	2332.3	2182.0	1991.7	1782.1
40°	2621.8	2641.9	2653.2	2663.4	2653.2	2641.9	2621.8	2583.0	2459.8	2282.5	2085.5
37.5°	3005.0	3012.4	2996.4	2986.1	2996.4	3012.4	3005.0	2980.6	2906.6	2680.2	2520.1
35°	3944.7	3963.9	3919.3	3966.4	3919.3	3963.9	3944.7	3848.3	3733.9	3599.8	3235.2
32.5°	4845.9	4936.1	5009.0	5069.4	5009.0	4936.1	4845.9	4753.8	4676.4	4417.6	3940.8
30°	5356.3	5414.5	5445.8	5453.4	5445.8	5414.5	5356.3	5284.6	5181.9	4851.0	4410.1
27.5°	5731.1	5792.1	5830.1	5857.8	5830.1	5792.1	5731.1	5664.8	5544.9	5207.3	4774.5
25°	6092.4	6148.2	6186.1	6200.9	6186.1	6148.2	6092.4	6025.0	5877.8	5592.6	5166.3
22.5°	6467.3	6506.0	6542.5	6560.4	6542.5	6506.0	6467.3	6388.3	6228.9	6001.2	5549.5
20°	7004.6	6983.5	7016.7	7005.6	7016.7	6983.5	7004.6	6883.9	6715.9	6478.7	6042.6
17.5°	8099.7	8111.0	8133.2	8169.8	8133.2	8111.0	8099.7	7939.6	7734.3	7520.0	6913.4
15°	9476.9	9504.6	9645.5	9771.1	9645.5	9504.6	9476.9	9322.1	8972.5	8663.4	7971.1
12.5°	10074.3	10170.2	10185.1	10220.4	10185.1	10170.2	10074.3	9855.9	9620.6	9226.3	8598.1
10°	10273.6	10439.7	10436.1	10477.8	10436.1	10439.7	10273.6	10083.6	9891.6	9555.1	8897.5
7.5°	10424.8	10603.2	10678.5	10710.6	10678.5	10603.2	10424.8	10296.1	10106.5	9780.6	9108.2
5°	10609.5	10707.6	10837.7	10800.5	10837.7	10707.6	10609.5	10448.0	10208.2	9861.8	9248.7
2.5°	10687.0	10840.6	10805.1	10841.3	10805.1	10840.6	10687.0	10469.0	10248.5	9969.8	9433.4
0°	10739.2	10849.5	10865.9	10902.6	10865.9	10849.5	10739.2	10522.7	10298.1	10028.5	9485.2
-2.5°	10675.8	10773.0	10942.9	10890.4	10942.9	10773.0	10675.8	10477.2	10263.5	9991.4	9502.7
-5°	10620.3	10859.2	10766.5	10882.2	10766.5	10859.2	10620.3	10408.8	10196.3	9902.2	9390.9
-7.5°	10591.7	10634.4	10696.0	10784.2	10696.0	10634.4	10591.7	10351.0	10118.4	9808.3	9290.4
-10°	10370.0	10413.7	10526.7	10588.1	10526.7	10413.7	10370.0	10259.7	9988.6	9659.3	9163.7
-12.5°	10129.5	10214.1	10332.9	10371.6	10332.9	10214.1	10129.5	10007.1	9813.5	9454.3	8961.5
-15°	9852.5	9978.1	10094.0	10118.3	10094.0	9978.1	9852.5	9708.0	9494.0	9201.7	8717.8
-17.5°	9500.2	9650.9	9772.7	9799.7	9772.7	9650.9	9500.2	9338.5	9128.1	8867.1	8472.6
-20°	9112.1	9256.5	9360.0	9391.2	9360.0	9256.5	9112.1	8942.7	8744.0	8493.2	8121.5



REPORT NUMBER: P627250 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-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°	8696.7	8826.6	8914.1	8901.0	8914.1	8826.6	8696.7	8528.4	8344.8	8116.4	7716.7
-25°	8255.5	8376.1	8459.5	8447.6	8459.5	8376.1	8255.5	8108.6	7926.6	7683.9	7325.9
-27.5°	7789.1	7903.3	7983.4	7986.0	7983.4	7903.3	7789.1	7647.8	7464.6	7220.0	6914.5
-30°	7299.0	7402.8	7467.8	7442.7	7467.8	7402.8	7299.0	7161.9	6991.9	6754.3	6432.0
-32.5°	6793.5	6887.4	6947.0	6964.8	6947.0	6887.4	6793.5	6674.3	6531.1	6313.4	5969.1
-35°	6294.9	6377.7	6429.2	6441.9	6429.2	6377.7	6294.9	6186.1	6046.4	5874.2	5534.2
-37.5°	5799.6	5870.8	5906.7	5890.4	5906.7	5870.8	5799.6	5699.5	5573.6	5425.6	5131.8
-40°	5310.1	5377.8	5419.0	5428.8	5419.0	5377.8	5310.1	5219.1	5102.2	4957.9	4722.2
-42.5°	4828.8	4885.1	4921.3	4938.7	4921.3	4885.1	4828.8	4750.5	4627.4	4467.3	4277.8
-45°	4361.7	4412.1	4446.0	4464.8	4446.0	4412.1	4361.7	4291.7	4171.7	4016.9	3839.5
-47.5°	3907.2	3951.4	3980.6	3995.0	3980.6	3951.4	3907.2	3845.7	3738.7	3585.8	3410.5
-50°	3472.6	3510.9	3538.2	3553.9	3538.2	3510.9	3472.6	3419.3	3328.3	3179.7	3013.3
-52.5°	3060.5	3093.9	3117.2	3129.0	3117.2	3093.9	3060.5	3014.1	2941.4	2800.8	2647.7
-55°	2666.9	2694.0	2715.5	2728.7	2715.5	2694.0	2666.9	2628.8	2576.6	2446.3	2305.4
-57.5°	2299.9	2322.1	2342.5	2357.0	2342.5	2322.1	2299.9	2267.6	2224.9	2113.2	1989.9
-60°	1956.4	1977.3	1994.6	2005.7	1994.6	1977.3	1956.4	1927.7	1891.4	1807.2	1707.1
-62.5°	1646.4	1664.9	1680.8	1691.2	1680.8	1664.9	1646.4	1620.7	1587.9	1523.1	1442.3
-65°	1349.2	1365.8	1377.7	1384.8	1377.7	1365.8	1349.2	1326.9	1298.5	1252.1	1192.3
-67.5°	1098.7	1117.8	1121.6	1119.3	1121.6	1117.8	1098.7	1075.5	1048.3	1012.5	967.6
-70°	875.1	891.3	895.1	894.6	895.1	891.3	875.1	856.4	835.5	809.6	776.2
-72.5°	684.3	693.1	685.6	674.0	685.6	693.1	684.3	674.2	663.3	648.7	623.8
-75°	513.5	507.8	499.9	490.2	499.9	507.8	513.5	518.0	521.7	520.7	502.3
-77.5°	376.1	362.2	353.0	343.1	353.0	362.2	376.1	388.8	400.3	407.6	395.0
-80°	261.9	248.2	238.8	228.8	238.8	248.2	261.9	274.6	286.4	296.0	291.7
-82.5°	165.8	154.6	149.0	143.0	149.0	154.6	165.8	176.5	186.4	195.0	192.4
-85°	92.1	85.5	81.6	77.6	81.6	85.5	92.1	98.4	104.2	109.3	106.5
-87.5°	40.7	40.7	38.8	36.8	38.8	40.7	40.7	40.6	40.4	40.2	39.0
-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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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	22.5	21.4	20.4	19.4	18.4	17.3	16.3	15.3	14.3	13.3	12.3
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	0.1	0.1	0.0	0.0	0.4	0.5	0.2	0.0	0.4
67.5°	0.0	0.0	0.7	1.7	2.1	2.1	1.9	2.1	2.4	2.2	2.1
65°	2.5	1.5	1.0	2.0	3.1	4.1	4.3	3.8	3.7	4.3	5.1
62.5°	8.3	8.6	7.5	6.2	5.4	6.0	6.5	7.0	6.1	4.8	6.4
60°	24.6	15.0	21.9	23.4	18.6	16.1	24.2	23.0	12.0	10.3	9.3
57.5°	118.5	99.2	108.9	98.9	67.7	59.1	61.2	58.4	52.8	32.4	13.8
55°	408.5	350.0	275.0	237.5	228.8	175.0	130.4	108.9	98.7	71.2	47.2
52.5°	518.9	482.4	425.6	347.3	305.5	289.8	247.8	198.2	157.5	125.9	90.4
50°	650.6	660.3	602.0	493.6	450.8	404.5	363.6	306.3	254.7	204.3	150.8
47.5°	1061.3	988.6	930.2	849.3	695.8	597.7	533.4	439.5	368.7	307.7	241.7
45°	1415.1	1331.9	1274.7	1149.2	986.1	834.5	733.3	615.6	490.3	408.7	348.8
42.5°	1666.4	1558.6	1464.7	1362.4	1206.5	1035.5	896.6	780.2	648.5	516.2	436.5
40°	1912.2	1741.5	1648.4	1556.8	1409.9	1218.0	1109.8	938.8	801.3	654.7	545.8
37.5°	2278.9	1988.6	1955.7	1867.5	1701.4	1501.8	1380.0	1211.4	956.3	818.0	693.0
35°	2898.6	2599.6	2426.9	2340.4	2125.0	1870.7	1670.3	1512.8	1259.7	987.4	843.2
32.5°	3581.5	3203.1	2941.1	2817.7	2586.5	2241.3	1994.2	1793.8	1539.9	1231.6	1000.4
30°	3967.1	3622.0	3306.5	3095.5	2870.7	2574.1	2290.4	2007.5	1731.8	1476.8	1170.7
27.5°	4326.0	3895.7	3555.5	3317.4	3106.9	2821.8	2507.9	2204.6	1901.6	1649.6	1376.7
25°	4667.9	4191.0	3820.3	3540.7	3296.0	3070.2	2715.4	2384.0	2068.0	1789.6	1576.0
22.5°	4986.4	4543.7	4116.5	3751.0	3543.7	3301.3	2951.5	2550.1	2241.4	2007.2	1755.9
20°	5510.8	5015.4	4474.5	4158.1	3965.4	3590.9	3195.2	2798.3	2514.7	2246.5	1950.9
17.5°	6375.5	5757.2	5110.4	4771.7	4498.7	4039.5	3535.1	3141.4	2787.3	2488.4	2163.2
15°	7322.1	6526.1	5885.3	5447.8	5015.3	4477.4	3893.6	3468.2	3065.9	2729.6	2358.2
12.5°	7789.9	7032.2	6465.3	5848.7	5290.7	4803.3	4250.9	3781.9	3325.3	2887.1	2478.9
10°	8069.1	7316.1	6674.9	6059.4	5500.1	5031.1	4518.0	3962.4	3455.1	2991.4	2579.5
7.5°	8286.2	7510.4	6827.5	6214.7	5648.0	5153.3	4662.2	4079.7	3559.0	3075.6	2660.3
5°	8436.5	7661.7	6969.3	6349.7	5753.1	5240.9	4769.3	4168.6	3636.3	3139.6	2721.6
2.5°	8591.5	7779.3	7058.1	6437.0	5820.1	5296.5	4834.1	4236.4	3699.2	3187.0	2772.7
0°	8651.8	7847.1	7120.0	6482.8	5857.8	5318.6	4852.9	4281.0	3741.8	3214.8	2806.3
-2.5°	8690.7	7869.2	7144.2	6512.3	5907.5	5353.5	4874.0	4331.1	3755.3	3244.7	2815.7
-5°	8631.7	7843.1	7123.9	6487.9	5908.5	5356.2	4859.3	4338.4	3751.9	3252.7	2808.5
-7.5°	8559.3	7774.0	7046.6	6422.7	5865.9	5319.3	4815.3	4306.0	3739.0	3239.7	2794.6
-10°	8437.0	7663.7	6971.3	6354.9	5791.0	5240.6	4751.3	4244.3	3697.2	3202.6	2762.2
-12.5°	8273.6	7524.5	6840.6	6231.0	5690.0	5159.6	4680.4	4159.1	3626.0	3140.8	2710.8
-15°	8057.8	7342.2	6678.8	6084.5	5561.3	5054.2	4575.3	4064.9	3556.6	3064.6	2640.3
-17.5°	7821.7	7101.8	6448.4	5888.5	5392.3	4911.6	4441.7	3966.0	3476.5	2993.3	2576.9
-20°	7553.7	6846.7	6199.4	5656.8	5188.5	4733.0	4298.5	3855.3	3365.3	2911.1	2510.3



REPORT NUMBER: P627250 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-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°	7168.0	6543.5	5950.1	5418.0	4970.4	4553.4	4135.0	3706.4	3221.3	2808.3	2419.7
-25°	6786.7	6206.1	5672.7	5183.7	4751.3	4355.3	3948.3	3523.5	3093.0	2687.4	2308.8
-27.5°	6413.6	5875.8	5344.3	4904.7	4516.5	4129.7	3747.3	3345.4	2949.0	2551.5	2204.6
-30°	6010.8	5507.8	5028.6	4616.0	4248.5	3890.6	3546.7	3171.5	2781.5	2404.2	2092.3
-32.5°	5568.4	5127.0	4704.6	4316.2	3972.6	3655.6	3329.2	2973.5	2588.1	2266.5	1962.1
-35°	5139.1	4731.6	4367.1	4024.4	3712.6	3422.5	3106.5	2750.3	2411.9	2110.1	1815.3
-37.5°	4754.8	4357.9	4020.4	3725.2	3464.7	3189.6	2874.5	2558.4	2240.3	1936.0	1678.7
-40°	4357.2	3986.8	3687.0	3447.0	3197.8	2950.2	2672.8	2378.9	2065.0	1767.7	1544.8
-42.5°	3971.7	3672.8	3377.3	3137.1	2913.7	2710.9	2476.9	2180.3	1891.7	1633.5	1419.2
-45°	3594.3	3322.8	3053.0	2834.0	2648.1	2458.0	2248.9	1979.2	1720.1	1498.4	1296.2
-47.5°	3206.5	2977.9	2752.9	2549.3	2383.2	2198.5	1996.6	1768.2	1555.8	1356.1	1177.0
-50°	2834.3	2648.8	2466.8	2290.4	2122.2	1941.9	1761.6	1577.2	1387.7	1213.6	1051.1
-52.5°	2483.7	2330.2	2176.4	2022.0	1875.0	1717.4	1551.0	1387.0	1220.2	1074.8	929.7
-55°	2154.0	2022.4	1900.4	1776.5	1652.7	1510.5	1360.4	1212.6	1079.6	946.0	827.7
-57.5°	1862.1	1746.5	1649.5	1548.4	1443.7	1317.8	1189.4	1064.5	954.2	843.6	734.1
-60°	1604.2	1503.4	1420.2	1332.1	1239.2	1133.9	1032.0	933.1	837.8	747.5	653.2
-62.5°	1360.6	1279.3	1204.4	1129.7	1054.2	974.5	887.3	807.5	733.6	657.6	572.3
-65°	1130.2	1066.5	1003.6	943.3	881.2	817.2	747.8	684.7	624.3	562.6	488.9
-67.5°	920.0	870.2	819.2	768.8	720.4	669.6	616.8	564.2	515.0	464.6	404.8
-70°	740.6	703.1	663.5	621.4	581.3	541.6	500.7	458.1	413.1	372.0	331.1
-72.5°	597.8	570.8	541.2	507.2	471.1	436.7	403.6	370.4	336.2	301.1	265.3
-75°	483.1	463.3	440.7	412.3	383.1	353.2	325.3	296.8	265.5	231.5	198.2
-77.5°	382.5	370.4	356.5	333.8	310.9	287.7	262.8	231.7	199.9	168.4	141.0
-80°	286.7	281.0	272.8	253.0	233.3	213.7	192.9	165.7	138.6	113.3	92.9
-82.5°	189.2	185.3	180.0	166.9	153.9	141.1	128.1	109.1	91.1	73.9	58.8
-85°	103.4	100.1	96.4	90.1	83.9	77.8	71.5	61.0	51.2	42.1	33.9
-87.5°	37.8	36.5	35.3	33.9	32.5	31.1	29.7	26.6	23.7	20.8	18.0
-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: P627250 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-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°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	11.3	10.3	9.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.4	2.2
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.7	1.2
82.5°	0.0	0.0	0.0	0.1	0.7	1.1	1.2	1.1	0.6	0.1	0.3
80°	0.0	0.0	0.0	0.1	1.0	2.2	2.7	2.8	2.1	1.5	0.8
77.5°	0.0	0.0	0.0	0.0	0.4	1.2	2.3	3.7	3.7	2.9	2.0
75°	0.0	0.0	0.0	0.2	0.3	0.1	0.9	2.2	3.3	4.0	3.2
72.5°	0.0	0.0	0.0	0.5	1.1	1.2	0.7	0.7	2.4	3.5	4.0
70°	0.6	0.2	0.0	0.7	1.7	2.5	2.3	1.9	1.6	3.0	3.9
67.5°	1.9	2.1	1.5	1.2	1.9	2.8	3.8	3.7	3.2	2.7	3.8
65°	4.8	4.4	4.0	3.6	3.1	3.0	4.0	5.1	4.8	4.1	3.7
62.5°	7.2	7.1	6.6	6.0	5.3	4.6	4.3	5.7	6.2	5.5	4.6
60°	9.2	9.6	9.2	8.4	7.6	6.7	6.1	6.4	7.1	6.9	5.9
57.5°	12.7	12.4	12.2	11.1	9.8	8.8	8.2	8.0	8.2	8.1	7.1
55°	22.4	15.6	15.7	14.5	12.5	10.8	10.3	9.9	9.5	9.4	8.3
52.5°	56.7	31.5	20.2	18.7	16.3	13.3	12.4	11.9	11.2	10.7	9.5
50°	104.8	67.8	38.4	24.1	20.5	17.5	14.6	13.8	13.0	12.1	10.7
47.5°	167.7	116.6	75.8	38.0	26.5	21.9	18.2	15.7	14.7	13.7	11.8
45°	258.3	171.8	119.1	75.3	35.3	30.2	22.5	17.6	16.4	15.1	12.9
42.5°	359.4	252.1	167.1	113.7	67.5	41.8	26.9	21.3	18.1	16.6	14.1
40°	458.5	348.4	224.5	156.8	101.9	56.1	38.7	25.5	19.8	18.2	15.5
37.5°	568.2	450.3	314.5	202.7	136.9	85.6	53.1	29.7	22.5	19.9	16.9
35°	703.9	563.3	404.6	270.1	181.2	113.0	69.0	37.8	27.6	21.7	18.4
32.5°	839.4	676.2	501.9	348.4	227.6	138.2	89.8	53.9	33.7	23.6	19.9
30°	975.7	779.5	593.5	420.9	280.9	178.7	112.1	69.6	40.6	25.5	21.5
27.5°	1098.5	877.1	679.4	496.7	343.5	221.4	135.5	84.8	48.2	28.9	23.1
25°	1237.2	982.5	763.8	569.1	400.8	266.0	159.5	99.6	59.4	34.8	24.7
22.5°	1415.6	1090.8	842.0	634.8	457.5	308.6	190.4	119.3	71.7	41.0	26.3
20°	1593.0	1196.6	918.7	717.0	519.1	356.6	226.0	138.9	83.3	47.5	27.9
17.5°	1767.1	1332.2	1030.2	801.0	585.1	401.5	259.3	158.1	94.3	54.1	29.5
15°	1923.2	1487.6	1139.9	880.5	649.7	443.0	290.2	176.7	104.6	60.7	31.6
12.5°	2054.3	1621.5	1243.1	954.9	711.9	480.9	318.3	194.6	114.1	68.0	34.4
10°	2162.6	1734.7	1338.9	1023.6	770.6	515.0	343.7	212.5	125.3	75.8	37.4
7.5°	2249.2	1828.3	1426.0	1086.0	824.0	546.9	371.0	231.4	136.1	83.2	40.4
5°	2314.3	1901.3	1493.3	1130.7	866.4	576.2	396.2	248.7	146.1	90.2	43.4
2.5°	2356.6	1955.0	1543.2	1165.8	901.0	600.9	418.3	264.3	155.2	96.5	46.3
0°	2381.5	1993.4	1580.9	1192.8	927.3	620.9	437.1	277.8	163.4	102.1	49.0
-2.5°	2403.8	2018.6	1613.8	1239.8	945.4	653.7	449.1	290.0	176.3	106.1	54.0
-5°	2411.1	2029.7	1635.4	1276.0	956.3	680.3	457.6	299.9	187.6	109.4	58.6
-7.5°	2398.7	2023.0	1643.0	1296.6	961.4	699.0	462.5	307.7	196.8	112.0	62.6
-10°	2371.1	2001.1	1633.0	1290.4	968.3	704.9	465.3	313.4	203.5	113.8	65.8
-12.5°	2330.1	1968.1	1611.5	1276.7	967.1	701.2	473.0	317.9	207.0	115.1	68.3
-15°	2276.4	1924.8	1578.7	1256.4	955.5	692.7	474.9	319.5	206.6	117.5	69.8
-17.5°	2213.3	1872.3	1534.7	1230.6	932.9	680.0	470.6	317.5	204.6	121.1	71.3
-20°	2150.0	1814.1	1482.6	1200.2	898.7	663.5	459.7	311.7	200.8	123.4	72.8

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Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627250 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-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°	2075.9	1747.1	1437.5	1157.7	861.7	643.6	441.8	301.8	195.4	124.4	73.4
-25°	1990.7	1669.0	1383.2	1099.2	832.6	621.1	423.3	287.7	188.5	124.0	73.2
-27.5°	1894.3	1585.5	1319.4	1035.2	802.3	589.7	405.7	277.3	182.6	122.3	72.1
-30°	1786.9	1506.9	1243.1	973.7	765.3	555.8	382.8	265.7	179.9	120.0	70.1
-32.5°	1671.1	1418.4	1161.1	926.7	723.2	520.5	362.5	252.6	175.5	117.1	70.2
-35°	1562.4	1322.1	1077.3	872.6	678.5	499.7	349.0	238.1	169.1	113.0	70.6
-37.5°	1446.1	1221.1	1011.0	816.1	631.6	475.7	338.1	231.6	160.9	107.8	70.3
-40°	1334.1	1125.3	934.3	762.3	596.8	448.7	320.8	224.3	153.1	101.4	69.4
-42.5°	1220.9	1035.2	860.9	703.8	564.0	422.6	298.7	213.2	146.7	97.8	67.8
-45°	1116.6	942.2	782.8	652.7	527.5	389.2	281.7	199.2	138.9	95.1	66.3
-47.5°	1007.0	847.5	711.4	596.8	479.8	352.9	260.1	188.2	129.5	91.7	65.4
-50°	893.9	757.9	644.7	535.4	421.5	322.6	237.0	175.1	126.2	89.0	63.8
-52.5°	794.9	679.1	576.4	472.3	377.5	287.2	219.5	161.0	121.7	86.7	61.5
-55°	709.6	604.2	509.2	420.5	335.5	261.1	199.6	154.3	116.2	83.9	58.7
-57.5°	634.3	534.7	454.0	374.4	300.5	236.0	185.6	146.3	110.4	79.9	56.3
-60°	561.0	479.3	403.9	332.9	267.8	214.3	174.8	137.2	103.5	74.9	53.5
-62.5°	493.3	421.4	355.7	291.6	238.5	196.7	162.3	126.5	95.3	68.7	49.8
-65°	422.3	361.0	305.5	255.1	211.9	176.0	146.1	114.3	84.6	61.2	45.1
-67.5°	348.5	303.5	260.2	218.2	182.9	152.8	127.5	98.2	72.0	52.5	39.6
-70°	290.2	250.6	213.9	181.0	152.2	127.6	104.3	79.4	58.1	45.0	33.8
-72.5°	231.0	198.7	168.7	142.4	121.9	101.0	79.8	60.8	48.2	37.1	27.6
-75°	171.0	149.1	129.6	111.4	92.9	74.6	60.9	48.3	38.0	28.9	23.3
-77.5°	124.0	108.3	93.9	82.4	69.7	57.5	46.0	35.5	28.7	24.0	19.6
-80°	84.3	76.0	68.0	59.9	49.7	40.1	33.1	27.3	23.2	19.3	15.8
-82.5°	53.1	48.7	44.7	40.6	34.7	29.3	24.6	20.5	17.4	14.6	12.8
-85°	31.5	29.1	26.8	24.5	21.2	18.3	16.9	15.6	14.3	13.0	11.6
-87.5°	17.8	17.5	17.2	16.9	16.1	15.3	14.6	14.0	12.8	11.6	10.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.1

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REPORT NUMBER: P627250 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.2	7.2	6.2	5.1	4.1	4.1	4.1
87.5°	3.0	3.4	3.7	4.0	4.1	4.1	4.1
85°	2.0	2.8	3.4	3.8	4.1	4.1	4.1
82.5°	1.0	2.1	3.1	3.7	4.1	4.1	4.1
80°	0.2	1.5	2.7	3.6	4.1	4.1	4.1
77.5°	1.3	1.4	2.4	3.5	4.1	4.1	4.1
75°	2.3	2.0	2.2	3.4	4.1	4.1	4.1
72.5°	3.3	2.7	2.6	3.3	4.1	4.1	4.1
70°	4.1	3.3	2.9	3.3	4.1	4.1	4.1
67.5°	4.2	3.8	3.3	3.4	4.1	4.1	4.1
65°	4.4	4.2	3.6	3.6	4.1	4.1	4.1
62.5°	4.6	4.6	3.8	3.7	4.1	4.1	4.1
60°	4.9	4.9	4.1	3.8	4.1	4.1	4.1
57.5°	5.8	5.3	4.5	3.9	4.1	4.1	4.1
55°	6.9	5.7	4.9	4.0	4.2	4.1	4.1
52.5°	7.9	6.3	5.3	4.0	4.3	4.1	4.1
50°	8.9	7.1	5.8	4.1	4.4	4.1	4.1
47.5°	9.9	7.9	6.3	4.2	4.5	4.1	4.1
45°	10.8	8.7	6.8	4.6	4.6	4.1	4.1
42.5°	11.8	9.5	7.3	4.9	4.7	4.1	4.1
40°	12.7	10.3	7.8	5.4	4.9	4.1	4.1
37.5°	13.5	11.0	8.4	6.0	5.0	4.1	4.1
35°	14.4	11.7	9.0	6.5	5.2	4.1	4.1
32.5°	15.3	12.4	9.5	7.0	5.4	4.1	4.1
30°	16.5	13.0	10.1	7.6	5.6	4.1	4.1
27.5°	17.7	13.7	10.7	8.1	5.8	4.1	4.1
25°	19.0	14.3	11.3	8.5	6.0	4.1	4.1
22.5°	20.1	14.9	12.0	9.0	6.2	4.1	4.1
20°	21.3	15.6	12.5	9.4	6.5	4.1	4.1
17.5°	22.5	16.3	13.1	9.9	6.7	4.1	4.1
15°	23.6	17.0	13.7	10.3	6.9	4.1	4.1
12.5°	24.7	17.7	14.2	10.7	7.2	4.1	4.1
10°	25.7	18.3	14.6	11.0	7.4	4.1	4.1
7.5°	26.5	18.9	15.1	11.4	7.6	4.1	4.1
5°	27.3	19.4	15.5	11.7	7.8	4.1	4.1
2.5°	28.0	19.9	15.9	12.0	8.0	4.1	4.1
0°	28.6	20.4	16.3	12.3	8.2	4.1	4.1
-2.5°	30.2	20.8	16.6	12.3	8.2	4.1	4.1
-5°	31.6	21.2	16.9	12.3	8.2	4.1	4.1
-7.5°	32.9	21.6	17.2	12.2	8.1	4.1	4.1
-10°	33.9	21.9	17.4	12.1	8.1	4.1	4.1
-12.5°	34.7	22.2	17.5	12.0	8.0	4.1	4.1
-15°	35.2	22.4	17.6	11.9	7.9	4.1	4.1
-17.5°	35.4	22.6	17.6	11.7	7.8	4.1	4.1
-20°	36.3	22.7	17.5	11.6	7.7	4.1	4.1

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REPORT NUMBER: P627250 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	38.7	22.8	17.3	11.4	7.6	4.1	4.1
-25°	40.6	24.3	17.0	11.1	7.4	4.1	4.1
-27.5°	42.1	26.2	16.6	10.9	7.3	4.1	4.1
-30°	43.1	27.8	16.2	10.6	7.1	4.1	4.1
-32.5°	43.6	29.2	16.8	10.4	6.9	4.1	4.1
-35°	44.8	30.2	17.2	10.1	6.7	4.1	4.1
-37.5°	46.0	30.9	17.5	9.7	6.5	4.1	4.1
-40°	46.7	31.2	17.6	9.4	6.3	4.1	4.1
-42.5°	47.0	31.2	17.7	9.2	6.0	4.1	4.1
-45°	46.8	31.0	17.8	9.3	5.8	4.1	4.1
-47.5°	46.1	30.5	17.7	9.2	5.5	4.1	4.1
-50°	45.1	29.8	17.4	9.1	5.3	4.1	4.1
-52.5°	43.8	28.9	16.8	8.9	5.0	4.1	4.1
-55°	42.3	27.7	16.1	8.7	4.7	4.1	4.1
-57.5°	40.4	26.2	15.2	8.3	4.4	4.1	4.1
-60°	38.1	24.4	14.1	8.0	4.1	4.1	4.1
-62.5°	35.1	22.3	13.4	7.5	4.1	4.1	4.1
-65°	31.6	20.0	12.5	7.1	4.1	4.1	4.1
-67.5°	27.8	18.0	11.5	6.5	4.1	4.1	4.1
-70°	23.7	16.3	10.5	5.9	4.1	4.1	4.1
-72.5°	20.9	14.6	9.4	5.8	4.1	4.1	4.1
-75°	18.2	12.7	8.2	5.7	4.1	4.1	4.1
-77.5°	15.4	10.8	7.7	5.7	4.1	4.1	4.1
-80°	12.5	9.7	7.5	5.6	4.1	4.1	4.1
-82.5°	11.3	9.1	7.2	5.5	4.1	4.1	4.1
-85°	10.3	8.5	6.8	5.4	4.1	4.1	4.1
-87.5°	9.3	7.8	6.5	5.3	4.1	4.1	4.1
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1

(END OF REPORT)