

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: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-722-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627670 (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-SA5D-722-U-VWR-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

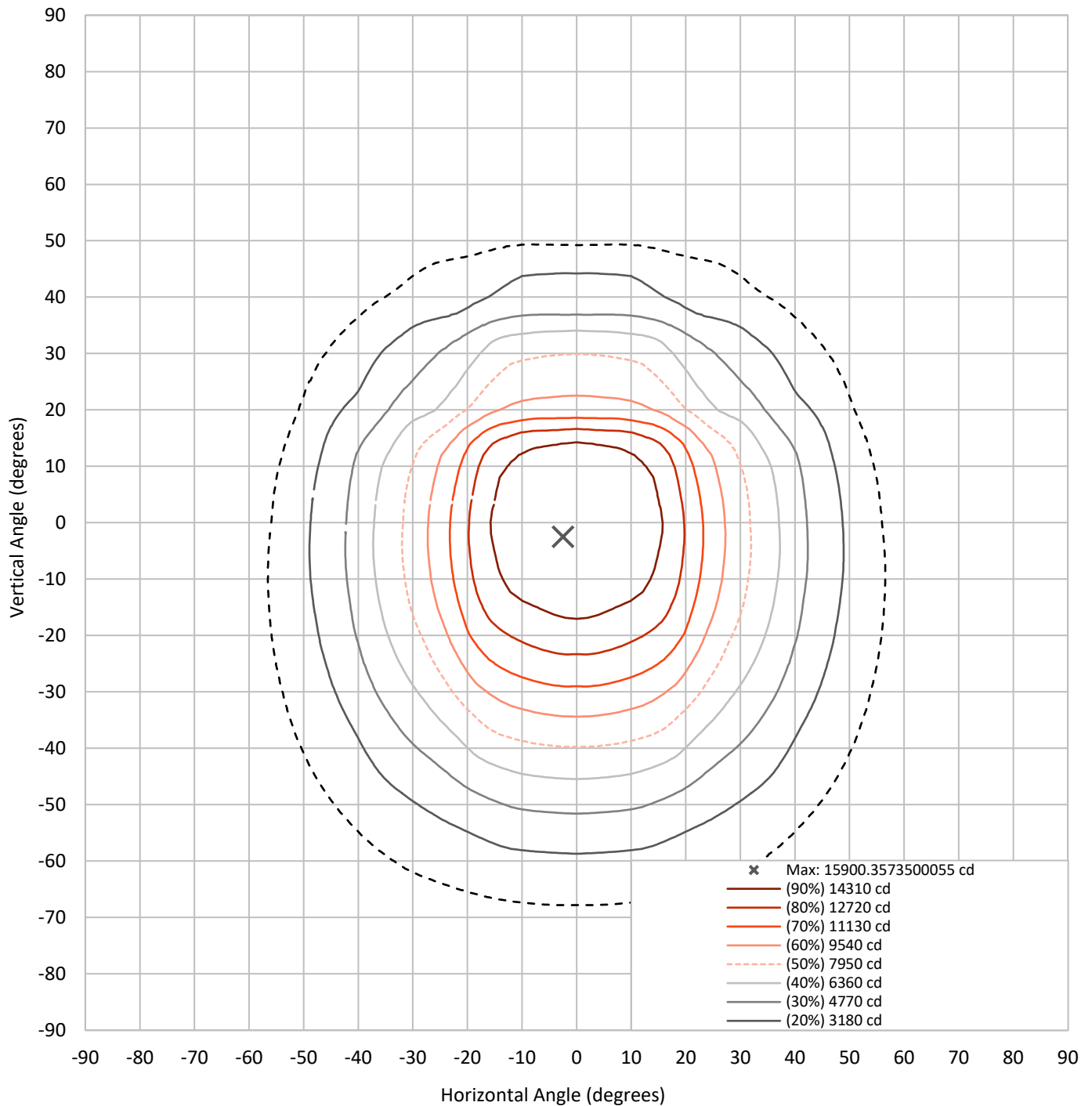
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	21219.6 lumens	Max Intensity:	15900.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	78.2 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:	12276.9 lumens	Field Lumens:	20136 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	271.3		
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		



REPORT NUMBER: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5D-722-U-VWR-VSR-XX

### Iso-Candela Plot





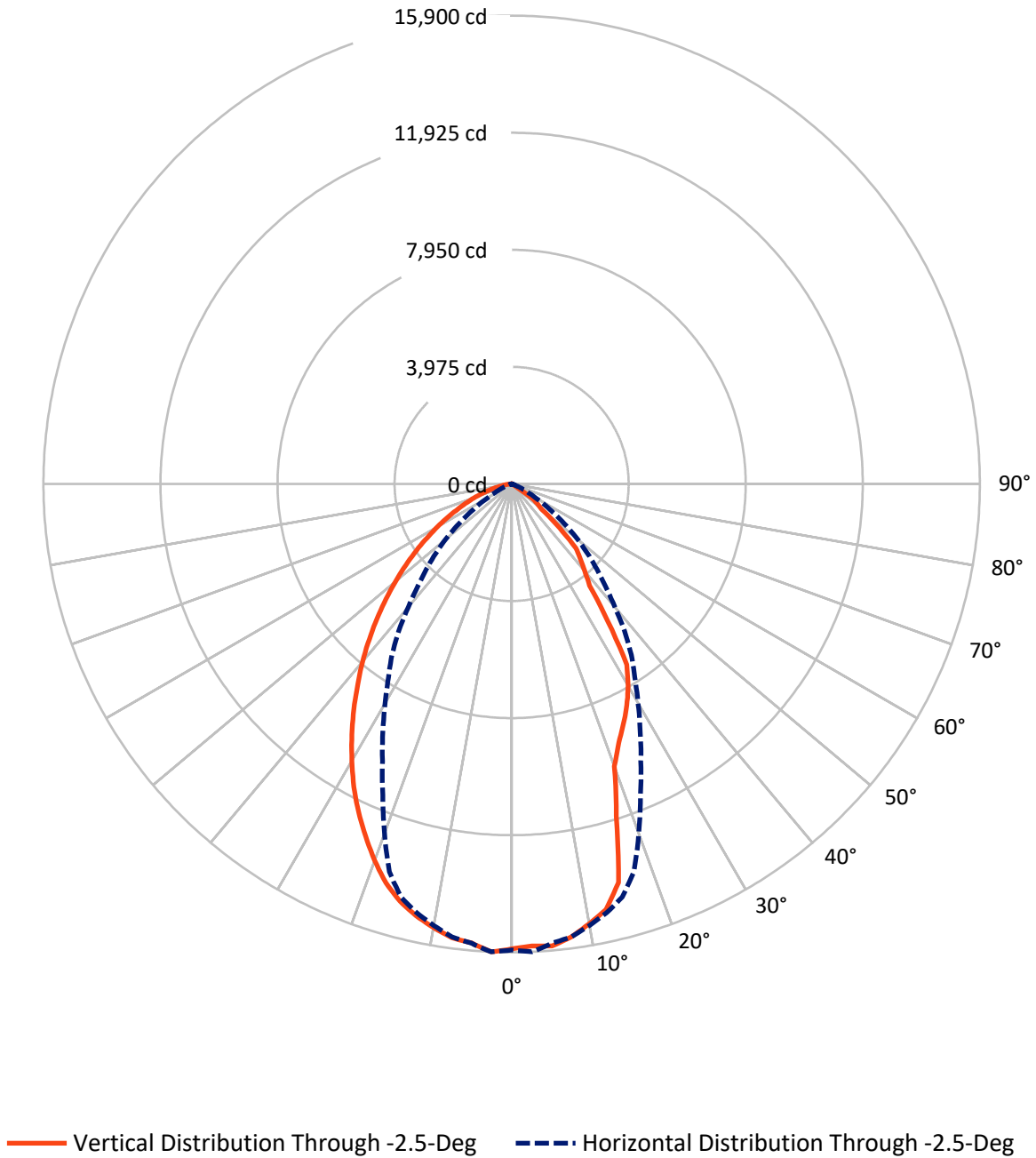
REPORT NUMBER: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-722-U-VWR-VSR-XX

### Lumen Table

90																			
80	0.1	0.1	0.1	0.2	0.3	0.2	0.1	0.1	0.1										
70																			
60	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2				
50		0.2	0.4	2.0	5.8	11.2	16.5	20.6	20.6	16.5	11.2	5.8	2.0	0.4		0.2			
40	0.4	0.4	2.4	10.9	26.3	47.4	70.0	85.7	85.7	70.0	47.4	26.3	10.9	2.4	0.4	0.4			
30		1.0	7.9	27.6	61.5	99.7	149.5	174.8	174.8	149.5	99.7	61.5	27.6	7.9	1.0				
20	0.6	2.3	15.3	48.8	99.1	157.1	235.7	270.9	270.9	235.7	157.1	99.1	48.8	15.3	2.3	0.6			
10		4.0	23.4	72.3	142.8	234.9	349.8	401.1	401.1	349.8	234.9	142.8	72.3	23.4	4.0				
0	1.1	5.5	30.4	85.8	170.7	280.7	413.0	468.7	468.7	413.0	280.7	170.7	85.8	30.4	5.5	1.1			
-10		6.5	33.5	89.1	175.3	287.2	416.1	470.4	470.4	416.1	287.2	175.3	89.1	33.5	6.5				
-20	1.3	6.8	32.8	84.4	165.3	268.9	386.1	436.3	436.3	386.1	268.9	165.3	84.4	32.8	6.8	1.3			
-30		6.2	28.7	73.6	142.8	228.6	323.7	366.6	366.6	323.7	228.6	142.8	73.6	28.7	6.2				
-40	1.3	5.2	22.9	57.9	112.3	176.3	247.2	279.9	279.9	247.2	176.3	112.3	57.9	22.9	5.2	1.3			
-50		4.2	16.9	41.3	80.5	124.0	171.1	194.2	194.2	171.1	124.0	80.5	41.3	16.9	4.2				
-60	1.0	3.1	11.1	26.5	50.0	77.0	104.6	119.3	119.3	104.6	77.0	50.0	26.5	11.1	3.1	1.0			
-70		2.2	6.7	15.5	27.5	40.8	54.0	61.2	61.2	54.0	40.8	27.5	15.5	6.7	2.2				
-80	0.4	5.0	22.9	49.9	55.7	49.9	22.9	5.0	0.4										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

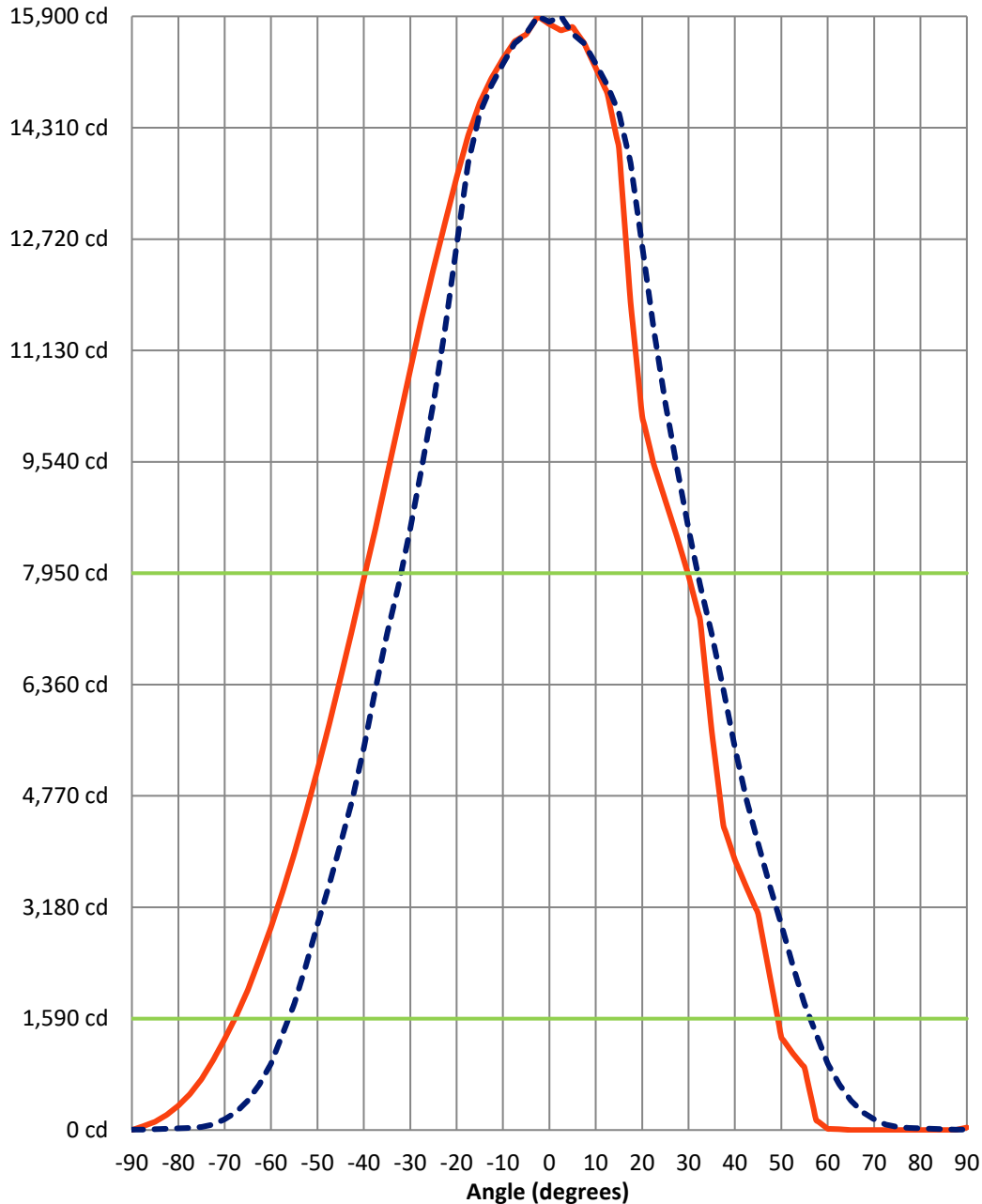
REPORT NUMBER: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5D-722-U-VWR-VSR-XX

### Luminous Intensity Polar Plot



REPORT NUMBER: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-722-U-VWR-VSR-XX

### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 12276.9  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 20136  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 1083.5  
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg  
 - - Horizontal Distribution through -2.5-Deg

Classified

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

Scaled Data Report



REPORT NUMBER: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-U-VWR-VSR-XX

FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	5.9	5.9	5.9	7.4	8.9	10.4	11.9	13.4	14.9	16.3	17.8
87.5°	5.9	5.9	5.9	5.7	5.4	4.9	4.4	3.1	1.9	0.9	0.0
85°	5.9	5.9	5.9	5.5	4.9	4.0	2.9	1.8	0.9	0.4	0.0
82.5°	5.9	5.9	5.9	5.3	4.4	3.1	1.4	0.5	0.1	0.9	1.6
80°	5.9	5.9	5.9	5.2	3.9	2.2	0.3	1.2	2.1	3.1	4.0
77.5°	5.9	5.9	5.9	5.0	3.5	2.0	1.8	2.9	4.1	5.3	5.3
75°	5.9	5.9	5.9	4.9	3.2	2.9	3.3	4.6	5.8	4.8	3.1
72.5°	5.9	5.9	5.9	4.8	3.7	3.8	4.7	5.8	5.0	3.4	1.0
70°	5.9	5.9	5.9	4.7	4.2	4.7	5.9	5.6	4.3	2.3	2.7
67.5°	5.9	5.9	5.9	4.9	4.7	5.5	6.1	5.4	3.8	4.6	5.3
65°	5.9	5.9	5.9	5.1	5.1	6.1	6.3	5.4	5.9	6.9	7.3
62.5°	5.9	5.9	5.9	5.3	5.5	6.6	6.6	6.7	8.0	9.0	8.2
60°	5.9	5.9	5.9	5.5	5.9	7.1	7.0	8.5	10.0	10.3	9.3
57.5°	5.9	5.9	6.0	5.6	6.5	7.7	8.4	10.3	11.8	11.9	11.6
55°	5.9	5.9	6.1	5.7	7.1	8.3	10.0	12.0	13.5	13.8	14.4
52.5°	5.9	5.9	6.2	5.8	7.7	9.1	11.4	13.8	15.5	16.3	17.2
50°	5.9	5.9	6.3	5.9	8.4	10.3	12.9	15.4	17.6	18.8	20.0
47.5°	5.9	5.9	6.5	6.0	9.1	11.5	14.3	17.1	19.8	21.3	22.8
45°	5.9	5.9	6.6	6.6	9.8	12.7	15.7	18.7	21.9	23.8	25.6
42.5°	5.9	5.9	6.8	7.1	10.5	13.8	17.1	20.5	24.1	26.3	31.0
40°	5.9	5.9	7.0	7.9	11.4	14.9	18.4	22.5	26.4	28.8	37.0
37.5°	5.9	5.9	7.3	8.7	12.2	15.9	19.6	24.6	28.9	32.7	43.2
35°	5.9	5.9	7.5	9.4	13.0	17.0	20.9	26.8	31.5	40.2	54.9
32.5°	5.9	5.9	7.8	10.2	13.8	18.0	22.2	29.0	34.3	48.9	78.3
30°	5.9	5.9	8.1	10.9	14.6	18.9	24.0	31.3	37.1	58.9	101.1
27.5°	5.9	5.9	8.4	11.7	15.5	19.8	25.8	33.6	42.0	70.0	123.2
25°	5.9	5.9	8.7	12.4	16.4	20.7	27.5	35.9	50.6	86.3	144.8
22.5°	5.9	5.9	9.0	13.0	17.3	21.6	29.3	38.2	59.6	104.1	173.4
20°	5.9	5.9	9.4	13.7	18.2	22.7	31.0	40.6	69.0	121.1	201.8
17.5°	5.9	5.9	9.7	14.3	19.0	23.7	32.7	42.9	78.6	137.1	229.7
15°	5.9	5.9	10.0	14.9	19.8	24.7	34.3	45.9	88.2	152.0	256.8
12.5°	5.9	5.9	10.4	15.4	20.6	25.7	35.9	50.0	98.9	165.9	282.8
10°	5.9	5.9	10.7	16.0	21.3	26.6	37.3	54.3	110.2	182.0	308.8
7.5°	5.9	5.9	11.0	16.5	21.9	27.5	38.5	58.7	121.0	197.7	336.2
5°	5.9	5.9	11.3	17.0	22.6	28.3	39.6	63.1	131.0	212.3	361.4
2.5°	5.9	5.9	11.6	17.4	23.2	29.0	40.6	67.3	140.2	225.6	384.0
0°	5.9	5.9	11.9	17.8	23.7	29.7	41.5	71.2	148.4	237.4	403.6
-2.5°	5.9	5.9	11.9	17.8	24.2	30.3	43.8	78.4	154.3	256.2	421.3
-5°	5.9	5.9	11.9	17.7	24.6	30.9	45.9	85.1	159.0	272.6	435.7
-7.5°	5.9	5.9	11.8	17.6	25.0	31.4	47.8	90.9	162.7	286.0	447.1
-10°	5.9	5.9	11.7	17.5	25.3	31.8	49.3	95.7	165.5	295.7	455.4
-12.5°	5.9	5.9	11.6	17.4	25.5	32.2	50.5	99.3	167.3	300.8	461.9
-15°	5.9	5.9	11.5	17.2	25.6	32.5	51.2	101.4	170.8	300.2	464.2
-17.5°	5.9	5.9	11.3	17.0	25.6	32.8	51.5	103.6	175.9	297.2	461.3
-20°	5.9	5.9	11.2	16.7	25.4	33.0	52.8	105.7	179.3	291.8	452.9



REPORT NUMBER: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-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°	5.9	5.9	11.0	16.4	25.1	33.1	56.2	106.7	180.7	284.0	438.5
-25°	5.9	5.9	10.8	16.1	24.6	35.3	59.0	106.4	180.2	273.9	418.0
-27.5°	5.9	5.9	10.5	15.8	24.1	38.1	61.1	104.8	177.6	265.3	402.9
-30°	5.9	5.9	10.3	15.4	23.5	40.5	62.6	101.9	174.3	261.4	386.1
-32.5°	5.9	5.9	10.0	15.0	24.3	42.4	63.4	102.0	170.1	254.9	367.0
-35°	5.9	5.9	9.7	14.6	25.0	44.0	65.1	102.6	164.2	245.7	345.9
-37.5°	5.9	5.9	9.4	14.1	25.4	45.0	66.9	102.2	156.6	233.8	336.4
-40°	5.9	5.9	9.1	13.6	25.6	45.3	67.9	100.8	147.4	222.4	325.9
-42.5°	5.9	5.9	8.7	13.4	25.7	45.3	68.3	98.5	142.1	213.2	309.7
-45°	5.9	5.9	8.4	13.4	25.9	45.0	67.9	96.4	138.3	201.9	289.4
-47.5°	5.9	5.9	8.0	13.4	25.7	44.3	66.9	95.0	133.3	188.2	273.4
-50°	5.9	5.9	7.6	13.2	25.2	43.3	65.5	92.6	129.3	183.3	254.4
-52.5°	5.9	5.9	7.2	12.9	24.5	41.9	63.7	89.3	126.0	176.9	233.9
-55°	5.9	5.9	6.8	12.6	23.4	40.2	61.4	85.3	121.9	168.8	224.2
-57.5°	5.9	5.9	6.3	12.1	22.1	38.0	58.7	81.7	116.1	160.4	212.6
-60°	5.9	5.9	5.9	11.6	20.5	35.4	55.5	77.7	108.9	150.4	199.3
-62.5°	5.9	5.9	5.9	10.9	19.4	32.4	51.0	72.4	99.8	138.5	183.8
-65°	5.9	5.9	5.9	10.2	18.1	29.1	46.0	65.6	88.9	122.9	166.2
-67.5°	5.9	5.9	5.9	9.4	16.7	26.1	40.4	57.6	76.3	104.7	142.8
-70°	5.9	5.9	5.9	8.5	15.2	23.7	34.4	49.1	65.4	84.4	115.4
-72.5°	5.9	5.9	5.9	8.3	13.6	21.1	30.4	40.1	53.9	70.0	88.3
-75°	5.9	5.9	5.9	8.3	11.8	18.4	26.5	33.8	42.0	55.1	70.2
-77.5°	5.9	5.9	5.9	8.2	11.2	15.6	22.3	28.4	34.8	41.8	51.5
-80°	5.9	5.9	5.9	8.1	10.8	14.0	18.1	22.9	28.1	33.6	39.6
-82.5°	5.9	5.9	5.9	7.9	10.4	13.2	16.3	18.6	21.1	25.3	29.9
-85°	5.9	5.9	5.9	7.8	9.9	12.3	14.9	16.9	18.8	20.8	22.7
-87.5°	5.9	5.9	5.9	7.6	9.4	11.3	13.4	15.1	16.9	18.6	20.3
-90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	4.4	2.9	1.5	0.0





REPORT NUMBER: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°
90°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	19.3	20.8	22.2
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°	1.7	1.5	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.9	3.1	1.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	3.4	1.7	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.2	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.0	1.7	1.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3.3	3.6	2.4	1.0	0.0	0.3	0.9	0.6	0.0	0.3	0.7
67.5°	5.5	4.1	2.7	1.7	2.2	3.0	2.8	3.0	3.2	3.5	3.0
65°	5.7	4.4	4.4	5.2	5.8	6.4	6.9	7.3	6.1	5.3	5.4
62.5°	6.1	6.7	7.7	8.6	9.5	10.3	10.4	9.2	7.0	8.8	10.1
60°	8.8	9.7	11.0	12.1	13.3	13.9	13.3	13.4	15.0	17.4	33.3
57.5°	11.9	12.7	14.2	16.1	17.7	18.0	18.5	20.1	47.0	76.8	84.9
55°	15.0	15.6	18.2	21.1	22.8	22.6	32.5	68.6	103.6	143.5	158.2
52.5°	18.1	19.3	23.6	27.1	29.4	45.7	82.4	131.4	183.0	228.9	288.1
50°	21.1	25.4	29.9	35.0	55.8	98.6	152.2	219.1	296.9	370.1	445.1
47.5°	26.4	31.8	38.6	55.2	110.1	169.5	243.7	351.2	447.1	535.7	638.6
45°	32.7	43.9	51.3	109.4	173.1	249.7	375.4	506.9	593.9	712.5	894.5
42.5°	39.1	60.8	98.1	165.2	242.9	366.4	522.3	634.3	750.1	942.3	1133.7
40°	56.3	81.4	148.0	227.8	326.3	506.3	666.3	793.1	951.2	1164.4	1364.2
37.5°	77.1	124.3	198.8	294.6	457.0	654.4	825.7	1006.9	1188.6	1389.6	1760.2
35°	100.2	164.1	263.3	392.5	587.9	818.6	1022.8	1225.3	1434.7	1830.5	2198.1
32.5°	130.4	200.7	330.7	506.3	729.3	982.6	1219.7	1453.6	1789.6	2237.5	2606.5
30°	162.9	259.6	408.2	611.6	862.5	1132.7	1417.8	1701.1	2145.8	2516.4	2917.0
27.5°	196.9	321.7	499.2	721.7	987.2	1274.4	1596.2	2000.4	2397.0	2763.1	3203.3
25°	231.7	386.5	582.3	827.0	1109.8	1427.6	1797.7	2290.1	2600.2	3004.9	3464.1
22.5°	276.6	448.4	664.7	922.3	1223.5	1585.0	2056.9	2551.4	2916.4	3256.8	3705.4
20°	328.4	518.2	754.3	1041.9	1334.9	1738.8	2314.7	2834.8	3264.2	3653.9	4066.0
17.5°	376.8	583.4	850.1	1164.0	1497.0	1935.8	2567.7	3143.2	3615.8	4050.1	4564.5
15°	421.6	643.7	944.0	1279.5	1656.3	2161.5	2794.5	3426.6	3966.2	4454.9	5039.4
12.5°	462.6	698.8	1034.4	1387.5	1806.3	2356.0	2985.0	3601.9	4195.1	4831.8	5495.2
10°	499.4	748.4	1119.8	1487.4	1945.4	2520.6	3142.4	3748.2	4346.6	5020.4	5757.4
7.5°	539.1	794.7	1197.4	1578.1	2071.9	2656.5	3268.2	3865.5	4469.0	5171.3	5927.9
5°	575.7	837.3	1259.0	1643.1	2169.7	2762.6	3362.8	3954.6	4561.9	5283.7	6057.0
2.5°	607.8	873.1	1309.1	1694.0	2242.2	2840.7	3424.2	4028.9	4630.9	5375.0	6155.5
0°	635.1	902.2	1347.4	1733.2	2297.0	2896.5	3460.4	4077.7	4671.2	5436.9	6220.4
-2.5°	652.6	949.9	1373.7	1801.4	2344.9	2933.1	3492.8	4091.4	4714.7	5456.5	6293.2
-5°	664.8	988.4	1389.5	1854.0	2376.2	2949.2	3503.5	4080.8	4726.2	5451.6	6303.9
-7.5°	672.0	1015.7	1397.0	1883.9	2387.2	2939.5	3485.4	4060.7	4707.3	5432.9	6256.8
-10°	676.1	1024.2	1407.0	1874.9	2372.7	2907.7	3445.2	4013.5	4653.4	5372.2	6167.2
-12.5°	687.3	1018.8	1405.3	1855.0	2341.5	2859.7	3385.7	3938.9	4563.7	5268.7	6043.4
-15°	690.1	1006.5	1388.4	1825.6	2293.8	2796.8	3307.7	3836.5	4453.1	5167.8	5906.5
-17.5°	683.8	988.1	1355.5	1788.1	2229.9	2720.6	3215.9	3744.2	4349.3	5051.4	5762.7
-20°	667.9	964.1	1305.8	1743.9	2154.1	2635.9	3124.0	3647.5	4230.0	4890.0	5601.8



REPORT NUMBER: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-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°	641.9	935.2	1252.0	1682.1	2088.6	2538.6	3016.3	3515.8	4080.5	4680.6	5385.5
-25°	615.0	902.5	1209.7	1597.2	2009.8	2425.0	2892.5	3354.7	3904.8	4494.2	5119.8
-27.5°	589.5	856.9	1165.7	1504.2	1917.1	2303.8	2752.5	3203.4	3707.3	4285.0	4861.0
-30°	556.2	807.6	1112.0	1414.7	1806.2	2189.5	2596.4	3040.1	3493.3	4041.5	4608.2
-32.5°	526.8	756.4	1050.8	1346.6	1687.0	2060.9	2428.1	2851.0	3293.3	3760.6	4320.6
-35°	507.1	726.1	986.0	1267.9	1565.4	1921.0	2270.2	2637.7	3066.1	3504.6	3996.3
-37.5°	491.2	691.2	917.7	1185.9	1469.1	1774.3	2101.2	2439.2	2813.1	3255.2	3717.5
-40°	466.1	652.0	867.2	1107.7	1357.6	1635.1	1938.5	2244.5	2568.6	3000.6	3456.7
-42.5°	434.0	614.1	819.5	1022.7	1250.9	1504.2	1774.0	2062.1	2373.6	2748.8	3168.0
-45°	409.3	565.5	766.5	948.5	1137.4	1369.1	1622.4	1883.4	2177.2	2499.3	2875.9
-47.5°	377.9	512.8	697.2	867.3	1033.7	1231.5	1463.2	1710.3	1970.4	2260.7	2569.3
-50°	344.3	468.7	612.4	778.0	936.7	1101.2	1298.8	1527.3	1763.3	2016.3	2291.7
-52.5°	318.8	417.2	548.4	686.2	837.5	986.7	1155.0	1350.9	1561.7	1773.0	2015.3
-55°	290.0	379.3	487.5	611.0	739.8	877.9	1031.1	1202.7	1374.5	1568.7	1762.0
-57.5°	269.8	342.9	436.6	543.9	659.6	777.0	921.6	1066.6	1225.7	1386.4	1546.8
-60°	253.9	311.4	389.1	483.6	586.8	696.5	815.1	949.1	1086.1	1217.3	1355.9
-62.5°	235.8	285.8	346.6	423.6	516.8	612.3	716.7	831.6	955.5	1066.0	1173.4
-65°	212.4	255.8	307.9	370.7	443.8	524.5	613.5	710.4	817.4	907.1	994.9
-67.5°	185.4	222.0	265.8	317.0	378.0	440.9	506.3	588.1	675.1	748.2	819.7
-70°	151.5	185.4	221.1	262.9	310.8	364.1	421.6	481.0	540.5	600.2	665.6
-72.5°	116.0	146.8	177.1	206.9	245.0	288.7	335.6	385.4	437.4	488.4	538.1
-75°	88.4	108.4	134.9	161.8	188.3	216.7	248.5	288.1	336.3	385.9	431.3
-77.5°	66.8	83.5	101.2	119.7	136.4	157.4	180.3	204.9	244.8	290.5	336.7
-80°	48.2	58.2	72.2	87.1	98.9	110.4	122.5	135.0	164.6	201.5	240.8
-82.5°	35.7	42.6	50.4	59.0	65.0	70.7	77.2	85.4	107.4	132.3	158.5
-85°	24.6	26.6	30.9	35.7	39.0	42.3	45.8	49.3	61.2	74.4	88.7
-87.5°	21.2	22.2	23.4	24.6	25.0	25.4	25.8	26.2	30.2	34.4	38.7
-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: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-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°	23.7	25.2	26.7	28.2	29.7	31.2	32.7	34.1	35.6	35.6	35.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.5	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2.7	3.0	3.1	2.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0
65°	6.2	5.9	4.4	2.9	1.4	2.2	3.6	4.3	4.3	3.9	3.0
62.5°	9.4	8.6	7.8	9.0	10.8	12.5	12.0	11.3	10.5	10.0	10.4
60°	35.1	23.4	27.1	34.0	31.8	21.7	35.8	40.5	34.5	23.6	22.8
57.5°	89.0	85.9	98.4	143.7	158.2	144.1	172.2	209.1	208.0	179.1	178.2
55°	189.6	254.3	332.5	345.1	399.5	508.6	593.5	556.3	556.1	584.0	674.2
52.5°	360.0	421.1	443.9	504.6	618.4	700.9	753.9	808.8	869.0	930.4	992.6
50°	528.4	587.7	655.1	717.3	874.7	959.4	945.3	1059.0	1204.5	1295.4	1342.1
47.5°	775.0	868.5	1010.9	1234.1	1351.6	1436.5	1542.1	1670.9	1837.7	2063.8	2238.0
45°	1065.4	1212.5	1432.9	1669.9	1852.2	1935.3	2056.2	2255.6	2521.5	2780.3	2969.4
42.5°	1302.8	1504.6	1753.2	1979.6	2128.3	2264.8	2421.3	2589.5	2894.0	3170.5	3389.0
40°	1612.6	1769.8	2048.6	2262.1	2395.2	2530.5	2778.5	3030.3	3316.6	3574.2	3753.2
37.5°	2005.3	2182.1	2472.2	2713.6	2841.8	2889.6	3311.3	3661.8	3894.6	4223.4	4330.9
35°	2427.0	2718.2	3087.7	3400.8	3526.5	3777.3	4211.8	4700.8	5230.7	5425.5	5591.7
32.5°	2897.6	3256.8	3758.3	4094.2	4273.6	4654.2	5204.1	5726.1	6418.9	6794.9	6907.3
30°	3328.0	3740.3	4171.3	4497.9	4804.4	5262.9	5764.4	6408.0	7048.6	7529.4	7678.7
27.5°	3644.0	4100.1	4514.5	4820.3	5166.2	5660.5	6285.8	6937.5	7566.4	8056.9	8231.2
25°	3945.6	4461.1	4789.2	5144.7	5551.0	6089.7	6782.6	7506.7	8126.1	8540.7	8754.5
22.5°	4288.6	4796.9	5149.1	5450.3	5981.4	6602.2	7245.3	8063.6	8719.9	9050.7	9282.4
20°	4642.7	5217.7	5761.8	6041.9	6501.5	7287.5	8007.4	8780.0	9413.7	9758.4	10002.5
17.5°	5136.6	5869.5	6536.8	6933.4	7425.6	8365.4	9263.8	10045.3	10926.8	11238.1	11536.4
15°	5657.4	6505.7	7287.4	7915.8	8551.6	9482.7	10639.2	11582.3	12588.1	13037.3	13545.2
12.5°	6176.7	6979.4	7687.5	8498.3	9394.3	10218.0	11319.0	12493.3	13406.1	13979.1	14321.0
10°	6564.8	7310.3	7991.7	8804.4	9698.8	10630.5	11724.6	12928.4	13883.9	14372.8	14651.8
7.5°	6774.3	7487.8	8206.6	9030.2	9920.5	10912.9	12040.1	13234.4	14211.4	14685.1	14960.6
5°	6929.9	7615.1	8359.5	9226.4	10126.6	11132.8	12258.5	13438.6	14329.4	14832.8	15181.3
2.5°	7024.1	7695.9	8456.9	9353.2	10255.7	11303.6	12483.7	13707.0	14486.4	14891.3	15211.8
0°	7051.4	7728.0	8511.5	9419.6	10345.6	11402.1	12571.4	13782.2	14571.6	14963.4	15289.8
-2.5°	7082.1	7778.8	8583.7	9462.6	10380.8	11434.3	12627.8	13807.7	14517.9	14913.1	15223.7
-5°	7060.7	7782.7	8585.2	9427.1	10351.2	11396.3	12542.1	13645.3	14388.2	14815.5	15124.3
-7.5°	6996.8	7729.1	8523.3	9332.4	10238.9	11295.9	12436.9	13499.2	14251.7	14702.4	15040.3
-10°	6903.8	7614.7	8414.5	9233.8	10129.5	11135.6	12259.1	13315.0	14035.3	14513.8	14907.6
-12.5°	6800.8	7497.0	8267.8	9053.7	9939.5	10933.3	12021.8	13021.4	13737.3	14259.3	14540.7
-15°	6648.1	7343.9	8080.8	8841.0	9704.4	10668.5	11708.3	12667.3	13370.3	13795.0	14106.0
-17.5°	6453.8	7136.6	7835.2	8556.3	9369.7	10319.1	11365.2	12311.0	12884.1	13263.5	13569.1
-20°	6245.8	6877.1	7539.1	8219.5	9007.9	9948.4	10975.8	11800.8	12341.0	12705.4	12994.0



REPORT NUMBER: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°	6008.2	6616.2	7222.1	7872.5	8645.6	9507.8	10415.3	11212.6	11793.4	12125.3	12392.0
-25°	5737.0	6328.4	6903.8	7532.0	8242.5	9017.5	9861.3	10644.8	11165.0	11517.5	11782.0
-27.5°	5444.9	6000.6	6562.6	7126.8	7765.5	8537.7	9319.1	10046.9	10491.0	10846.4	11112.4
-30°	5153.4	5653.2	6173.2	6707.2	7306.7	8003.0	8733.9	9345.9	9814.1	10159.5	10406.5
-32.5°	4837.5	5311.7	5772.4	6271.6	6836.0	7449.6	8091.1	8673.2	9173.6	9489.8	9698.0
-35°	4513.8	4972.9	5394.6	5847.6	6345.5	6875.1	7467.2	8041.3	8535.4	8785.7	8988.6
-37.5°	4176.8	4634.5	5034.3	5412.7	5841.7	6332.1	6908.8	7456.6	7883.5	8098.6	8281.5
-40°	3883.7	4286.7	4646.5	5008.7	5357.3	5792.8	6331.0	6861.4	7203.9	7413.6	7583.4
-42.5°	3599.1	3939.1	4233.8	4558.4	4907.4	5336.7	5770.9	6215.7	6491.0	6723.7	6902.6
-45°	3267.7	3571.6	3847.9	4118.0	4436.2	4828.2	5222.6	5578.9	5836.7	6061.6	6235.8
-47.5°	2901.2	3194.6	3462.9	3704.3	4000.1	4327.0	4659.1	4955.6	5210.2	5432.4	5587.9
-50°	2559.6	2821.7	3083.7	3328.0	3584.3	3848.8	4118.3	4378.4	4620.1	4836.1	4968.4
-52.5°	2253.6	2495.4	2724.4	2938.0	3162.3	3385.7	3608.9	3847.1	4069.6	4273.9	4379.6
-55°	1976.7	2194.8	2401.4	2581.3	2761.3	2938.5	3129.8	3349.8	3554.6	3743.9	3819.7
-57.5°	1728.2	1914.8	2097.7	2249.8	2396.8	2537.7	2705.6	2891.3	3070.6	3232.8	3294.9
-60°	1499.6	1647.7	1800.6	1935.6	2063.6	2184.5	2331.0	2480.5	2625.9	2748.2	2801.0
-62.5°	1289.3	1415.9	1531.8	1641.5	1750.0	1858.9	1977.0	2095.7	2213.1	2307.3	2355.0
-65°	1086.5	1187.4	1280.5	1370.7	1458.3	1549.7	1642.2	1732.4	1819.3	1886.7	1928.0
-67.5°	896.2	972.9	1046.8	1117.1	1190.4	1264.4	1336.8	1405.9	1471.2	1523.2	1562.7
-70°	727.5	786.8	844.7	902.9	964.1	1021.7	1076.2	1127.8	1176.4	1213.9	1244.4
-72.5°	586.4	634.5	684.5	736.9	786.4	829.4	868.6	906.4	942.5	963.7	979.6
-75°	472.7	513.3	556.7	599.2	640.5	673.2	702.0	729.8	756.6	758.0	752.6
-77.5°	382.0	418.2	451.8	485.1	518.0	538.2	555.8	574.0	592.3	581.7	564.9
-80°	280.3	310.5	339.0	367.7	396.4	408.3	416.6	423.9	430.0	416.1	399.0
-82.5°	186.0	205.0	223.6	242.5	261.6	269.3	275.0	279.7	283.4	270.9	256.4
-85°	103.8	112.9	121.9	131.0	140.1	145.4	150.3	154.8	158.9	151.4	142.9
-87.5°	43.2	45.2	47.3	49.2	51.2	53.1	55.0	56.8	58.6	58.8	59.0
-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: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-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°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	34.1
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°	1.8	0.3	0.0	0.0	0.0	0.3	1.8	3.0	3.9	4.3	4.3
62.5°	10.9	11.4	11.8	11.9	11.8	11.4	10.9	10.4	10.0	10.5	11.3
60°	21.0	18.4	17.7	17.8	17.7	18.4	21.0	22.8	23.6	34.5	40.5
57.5°	164.5	140.8	144.4	160.3	144.4	140.8	164.5	178.2	179.1	208.0	209.1
55°	768.9	858.4	889.9	872.5	889.9	858.4	768.9	674.2	584.0	556.1	556.3
52.5°	1041.8	1078.5	1092.6	1092.1	1092.6	1078.5	1041.8	992.6	930.4	869.0	808.8
50°	1356.3	1343.9	1324.8	1305.8	1324.8	1343.9	1356.3	1342.1	1295.4	1204.5	1059.0
47.5°	2263.5	2224.3	2207.7	2237.7	2207.7	2224.3	2263.5	2238.0	2063.8	1837.7	1670.9
45°	3007.9	3053.8	3088.2	3086.5	3088.2	3053.8	3007.9	2969.4	2780.3	2521.5	2255.6
42.5°	3431.8	3456.3	3463.4	3454.5	3463.4	3456.3	3431.8	3389.0	3170.5	2894.0	2589.5
40°	3809.5	3838.7	3855.1	3869.9	3855.1	3838.7	3809.5	3753.2	3574.2	3316.6	3030.3
37.5°	4366.4	4377.1	4353.8	4338.8	4353.8	4377.1	4366.4	4330.9	4223.4	3894.6	3661.8
35°	5731.7	5759.7	5695.0	5763.4	5695.0	5759.7	5731.7	5591.7	5425.5	5230.7	4700.8
32.5°	7041.2	7172.2	7278.2	7365.9	7278.2	7172.2	7041.2	6907.3	6794.9	6418.9	5726.1
30°	7783.0	7867.5	7912.9	7923.9	7912.9	7867.5	7783.0	7678.7	7529.4	7048.6	6408.0
27.5°	8327.5	8416.2	8471.3	8511.5	8471.3	8416.2	8327.5	8231.2	8056.9	7566.4	6937.5
25°	8852.4	8933.5	8988.6	9010.1	8988.6	8933.5	8852.4	8754.5	8540.7	8126.1	7506.7
22.5°	9397.1	9453.4	9506.4	9532.4	9506.4	9453.4	9397.1	9282.4	9050.7	8719.9	8063.6
20°	10177.8	10147.2	10195.6	10179.4	10195.6	10147.2	10177.8	10002.5	9758.4	9413.7	8780.0
17.5°	11769.0	11785.6	11817.9	11871.0	11817.9	11785.6	11769.0	11536.4	11238.1	10926.8	10045.3
15°	13770.2	13810.5	14015.2	14197.7	14015.2	13810.5	13770.2	13545.2	13037.3	12588.1	11582.3
12.5°	14638.2	14777.5	14799.1	14850.6	14799.1	14777.5	14638.2	14321.0	13979.1	13406.1	12493.3
10°	14927.9	15169.1	15164.0	15224.5	15164.0	15169.1	14927.9	14651.8	14372.8	13883.9	12928.4
7.5°	15147.5	15406.7	15516.2	15562.9	15516.2	15406.7	15147.5	14960.6	14685.1	14211.4	13234.4
5°	15416.0	15558.5	15747.5	15693.4	15747.5	15558.5	15416.0	15181.3	14832.8	14329.4	13438.6
2.5°	15528.5	15751.7	15700.1	15752.8	15700.1	15751.7	15528.5	15211.8	14891.3	14486.4	13707.0
0°	15604.4	15764.7	15788.4	15841.8	15788.4	15764.7	15604.4	15289.8	14963.4	14571.6	13782.2
-2.5°	15512.4	15653.4	15900.4	15824.0	15900.4	15653.4	15512.4	15223.7	14913.1	14517.9	13807.7
-5°	15431.7	15778.8	15644.0	15812.1	15644.0	15778.8	15431.7	15124.3	14815.5	14388.2	13645.3
-7.5°	15390.0	15452.1	15541.5	15669.7	15541.5	15452.1	15390.0	15040.3	14702.4	14251.7	13499.2
-10°	15067.8	15131.3	15295.7	15384.8	15295.7	15131.3	15067.8	14907.6	14513.8	14035.3	13315.0
-12.5°	14718.5	14841.4	15014.0	15070.2	15014.0	14841.4	14718.5	14540.7	14259.3	13737.3	13021.4
-15°	14316.0	14498.6	14666.9	14702.2	14666.9	14498.6	14316.0	14106.0	13795.0	13370.3	12667.3
-17.5°	13804.1	14023.1	14200.0	14239.2	14200.0	14023.1	13804.1	13569.1	13263.5	12884.1	12311.0
-20°	13240.2	13450.0	13600.4	13645.7	13600.4	13450.0	13240.2	12994.0	12705.4	12341.0	11800.8



REPORT NUMBER: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°	12636.5	12825.3	12952.5	12933.4	12952.5	12825.3	12636.5	12392.0	12125.3	11793.4	11212.6
-25°	11995.5	12170.7	12291.8	12274.6	12291.8	12170.7	11995.5	11782.0	11517.5	11165.0	10644.8
-27.5°	11317.8	11483.8	11600.2	11603.9	11600.2	11483.8	11317.8	11112.4	10846.4	10491.0	10046.9
-30°	10605.6	10756.4	10851.0	10814.5	10851.0	10756.4	10605.6	10406.5	10159.5	9814.1	9345.9
-32.5°	9871.2	10007.6	10094.2	10120.0	10094.2	10007.6	9871.2	9698.0	9489.8	9173.6	8673.2
-35°	9146.7	9266.9	9341.8	9360.3	9341.8	9266.9	9146.7	8988.6	8785.7	8535.4	8041.3
-37.5°	8426.9	8530.4	8582.7	8559.0	8582.7	8530.4	8426.9	8281.5	8098.6	7883.5	7456.6
-40°	7715.6	7814.1	7874.0	7888.3	7874.0	7814.1	7715.6	7583.4	7413.6	7203.9	6861.4
-42.5°	7016.3	7098.2	7150.7	7176.0	7150.7	7098.2	7016.3	6902.6	6723.7	6491.0	6215.7
-45°	6337.6	6410.8	6460.1	6487.5	6460.1	6410.8	6337.6	6235.8	6061.6	5836.7	5578.9
-47.5°	5677.2	5741.4	5783.9	5804.9	5783.9	5741.4	5677.2	5587.9	5432.4	5210.2	4955.6
-50°	5045.8	5101.4	5141.1	5163.9	5141.1	5101.4	5045.8	4968.4	4836.1	4620.1	4378.4
-52.5°	4446.9	4495.5	4529.3	4546.6	4529.3	4495.5	4446.9	4379.6	4273.9	4069.6	3847.1
-55°	3875.1	3914.5	3945.7	3964.9	3945.7	3914.5	3875.1	3819.7	3743.9	3554.6	3349.8
-57.5°	3341.8	3374.0	3403.7	3424.8	3403.7	3374.0	3341.8	3294.9	3232.8	3070.6	2891.3
-60°	2842.7	2873.1	2898.3	2914.3	2898.3	2873.1	2842.7	2801.0	2748.2	2625.9	2480.5
-62.5°	2392.3	2419.2	2442.3	2457.3	2442.3	2419.2	2392.3	2355.0	2307.3	2213.1	2095.7
-65°	1960.5	1984.6	2001.8	2012.1	2001.8	1984.6	1960.5	1928.0	1886.7	1819.3	1732.4
-67.5°	1596.5	1624.3	1629.8	1626.3	1629.8	1624.3	1596.5	1562.7	1523.2	1471.2	1405.9
-70°	1271.6	1295.1	1300.6	1299.9	1300.6	1295.1	1271.6	1244.4	1213.9	1176.4	1127.8
-72.5°	994.3	1007.1	996.2	979.4	996.2	1007.1	994.3	979.6	963.7	942.5	906.4
-75°	746.1	737.9	726.4	712.3	726.4	737.9	746.1	752.6	758.0	756.6	729.8
-77.5°	546.4	526.2	513.0	498.6	513.0	526.2	546.4	564.9	581.7	592.3	574.0
-80°	380.5	360.7	347.0	332.4	347.0	360.7	380.5	399.0	416.1	430.0	423.9
-82.5°	241.0	224.6	216.4	207.7	216.4	224.6	241.0	256.4	270.9	283.4	279.7
-85°	133.8	124.2	118.6	112.8	118.6	124.2	133.8	142.9	151.4	158.9	154.8
-87.5°	59.2	59.3	56.4	53.4	56.4	59.3	59.2	59.0	58.8	58.6	56.8
-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: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-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°	32.7	31.2	29.7	28.2	26.7	25.2	23.7	22.2	20.8	19.3	17.8
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	0.2	0.2	0.0	0.0	0.5	0.7	0.3	0.0	0.6
67.5°	0.0	0.0	1.1	2.4	3.1	3.0	2.7	3.0	3.5	3.2	3.0
65°	3.6	2.2	1.4	2.9	4.4	5.9	6.2	5.4	5.3	6.1	7.3
62.5°	12.0	12.5	10.8	9.0	7.8	8.6	9.4	10.1	8.8	7.0	9.2
60°	35.8	21.7	31.8	34.0	27.1	23.4	35.1	33.3	17.4	15.0	13.4
57.5°	172.2	144.1	158.2	143.7	98.4	85.9	89.0	84.9	76.8	47.0	20.1
55°	593.5	508.6	399.5	345.1	332.5	254.3	189.6	158.2	143.5	103.6	68.6
52.5°	753.9	700.9	618.4	504.6	443.9	421.1	360.0	288.1	228.9	183.0	131.4
50°	945.3	959.4	874.7	717.3	655.1	587.7	528.4	445.1	370.1	296.9	219.1
47.5°	1542.1	1436.5	1351.6	1234.1	1010.9	868.5	775.0	638.6	535.7	447.1	351.2
45°	2056.2	1935.3	1852.2	1669.9	1432.9	1212.5	1065.4	894.5	712.5	593.9	506.9
42.5°	2421.3	2264.8	2128.3	1979.6	1753.2	1504.6	1302.8	1133.7	942.3	750.1	634.3
40°	2778.5	2530.5	2395.2	2262.1	2048.6	1769.8	1612.6	1364.2	1164.4	951.2	793.1
37.5°	3311.3	2889.6	2841.8	2713.6	2472.2	2182.1	2005.3	1760.2	1389.6	1188.6	1006.9
35°	4211.8	3777.3	3526.5	3400.8	3087.7	2718.2	2427.0	2198.1	1830.5	1434.7	1225.3
32.5°	5204.1	4654.2	4273.6	4094.2	3758.3	3256.8	2897.6	2606.5	2237.5	1789.6	1453.6
30°	5764.4	5262.9	4804.4	4497.9	4171.3	3740.3	3328.0	2917.0	2516.4	2145.8	1701.1
27.5°	6285.8	5660.5	5166.2	4820.3	4514.5	4100.1	3644.0	3203.3	2763.1	2397.0	2000.4
25°	6782.6	6089.7	5551.0	5144.7	4789.2	4461.1	3945.6	3464.1	3004.9	2600.2	2290.1
22.5°	7245.3	6602.2	5981.4	5450.3	5149.1	4796.9	4288.6	3705.4	3256.8	2916.4	2551.4
20°	8007.4	7287.5	6501.5	6041.9	5761.8	5217.7	4642.7	4066.0	3653.9	3264.2	2834.8
17.5°	9263.8	8365.4	7425.6	6933.4	6536.8	5869.5	5136.6	4564.5	4050.1	3615.8	3143.2
15°	10639.2	9482.7	8551.6	7915.8	7287.4	6505.7	5657.4	5039.4	4454.9	3966.2	3426.6
12.5°	11319.0	10218.0	9394.3	8498.3	7687.5	6979.4	6176.7	5495.2	4831.8	4195.1	3601.9
10°	11724.6	10630.5	9698.8	8804.4	7991.7	7310.3	6564.8	5757.4	5020.4	4346.6	3748.2
7.5°	12040.1	10912.9	9920.5	9030.2	8206.6	7487.8	6774.3	5927.9	5171.3	4469.0	3865.5
5°	12258.5	11132.8	10126.6	9226.4	8359.5	7615.1	6929.9	6057.0	5283.7	4561.9	3954.6
2.5°	12483.7	11303.6	10255.7	9353.2	8456.9	7695.9	7024.1	6155.5	5375.0	4630.9	4028.9
0°	12571.4	11402.1	10345.6	9419.6	8511.5	7728.0	7051.4	6220.4	5436.9	4671.2	4077.7
-2.5°	12627.8	11434.3	10380.8	9462.6	8583.7	7778.8	7082.1	6293.2	5456.5	4714.7	4091.4
-5°	12542.1	11396.3	10351.2	9427.1	8585.2	7782.7	7060.7	6303.9	5451.6	4726.2	4080.8
-7.5°	12436.9	11295.9	10238.9	9332.4	8523.3	7729.1	6996.8	6256.8	5432.9	4707.3	4060.7
-10°	12259.1	11135.6	10129.5	9233.8	8414.5	7614.7	6903.8	6167.2	5372.2	4653.4	4013.5
-12.5°	12021.8	10933.3	9939.5	9053.7	8267.8	7497.0	6800.8	6043.4	5268.7	4563.7	3938.9
-15°	11708.3	10668.5	9704.4	8841.0	8080.8	7343.9	6648.1	5906.5	5167.8	4453.1	3836.5
-17.5°	11365.2	10319.1	9369.7	8556.3	7835.2	7136.6	6453.8	5762.7	5051.4	4349.3	3744.2
-20°	10975.8	9948.4	9007.9	8219.5	7539.1	6877.1	6245.8	5601.8	4890.0	4230.0	3647.5



REPORT NUMBER: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-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°	10415.3	9507.8	8645.6	7872.5	7222.1	6616.2	6008.2	5385.5	4680.6	4080.5	3515.8
-25°	9861.3	9017.5	8242.5	7532.0	6903.8	6328.4	5737.0	5119.8	4494.2	3904.8	3354.7
-27.5°	9319.1	8537.7	7765.5	7126.8	6562.6	6000.6	5444.9	4861.0	4285.0	3707.3	3203.4
-30°	8733.9	8003.0	7306.7	6707.2	6173.2	5653.2	5153.4	4608.2	4041.5	3493.3	3040.1
-32.5°	8091.1	7449.6	6836.0	6271.6	5772.4	5311.7	4837.5	4320.6	3760.6	3293.3	2851.0
-35°	7467.2	6875.1	6345.5	5847.6	5394.6	4972.9	4513.8	3996.3	3504.6	3066.1	2637.7
-37.5°	6908.8	6332.1	5841.7	5412.7	5034.3	4634.5	4176.8	3717.5	3255.2	2813.1	2439.2
-40°	6331.0	5792.8	5357.3	5008.7	4646.5	4286.7	3883.7	3456.7	3000.6	2568.6	2244.5
-42.5°	5770.9	5336.7	4907.4	4558.4	4233.8	3939.1	3599.1	3168.0	2748.8	2373.6	2062.1
-45°	5222.6	4828.2	4436.2	4118.0	3847.9	3571.6	3267.7	2875.9	2499.3	2177.2	1883.4
-47.5°	4659.1	4327.0	4000.1	3704.3	3462.9	3194.6	2901.2	2569.3	2260.7	1970.4	1710.3
-50°	4118.3	3848.8	3584.3	3328.0	3083.7	2821.7	2559.6	2291.7	2016.3	1763.3	1527.3
-52.5°	3608.9	3385.7	3162.3	2938.0	2724.4	2495.4	2253.6	2015.3	1773.0	1561.7	1350.9
-55°	3129.8	2938.5	2761.3	2581.3	2401.4	2194.8	1976.7	1762.0	1568.7	1374.5	1202.7
-57.5°	2705.6	2537.7	2396.8	2249.8	2097.7	1914.8	1728.2	1546.8	1386.4	1225.7	1066.6
-60°	2331.0	2184.5	2063.6	1935.6	1800.6	1647.7	1499.6	1355.9	1217.3	1086.1	949.1
-62.5°	1977.0	1858.9	1750.0	1641.5	1531.8	1415.9	1289.3	1173.4	1066.0	955.5	831.6
-65°	1642.2	1549.7	1458.3	1370.7	1280.5	1187.4	1086.5	994.9	907.1	817.4	710.4
-67.5°	1336.8	1264.4	1190.4	1117.1	1046.8	972.9	896.2	819.7	748.2	675.1	588.1
-70°	1076.2	1021.7	964.1	902.9	844.7	786.8	727.5	665.6	600.2	540.5	481.0
-72.5°	868.6	829.4	786.4	736.9	684.5	634.5	586.4	538.1	488.4	437.4	385.4
-75°	702.0	673.2	640.5	599.2	556.7	513.3	472.7	431.3	385.9	336.3	288.1
-77.5°	555.8	538.2	518.0	485.1	451.8	418.2	382.0	336.7	290.5	244.8	204.9
-80°	416.6	408.3	396.4	367.7	339.0	310.5	280.3	240.8	201.5	164.6	135.0
-82.5°	275.0	269.3	261.6	242.5	223.6	205.0	186.0	158.5	132.3	107.4	85.4
-85°	150.3	145.4	140.1	131.0	121.9	112.9	103.8	88.7	74.4	61.2	49.3
-87.5°	55.0	53.1	51.2	49.2	47.3	45.2	43.2	38.7	34.4	30.2	26.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	16.3	14.9	13.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	3.1
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	0.9	1.8
82.5°	0.0	0.0	0.0	0.1	1.0	1.5	1.7	1.6	0.9	0.1	0.5
80°	0.0	0.0	0.0	0.2	1.5	3.1	3.9	4.0	3.1	2.1	1.2
77.5°	0.0	0.0	0.0	0.1	0.6	1.7	3.4	5.3	5.3	4.1	2.9
75°	0.0	0.0	0.0	0.2	0.4	0.1	1.2	3.1	4.8	5.8	4.6
72.5°	0.0	0.0	0.0	0.7	1.6	1.7	1.0	1.0	3.4	5.0	5.8
70°	0.9	0.3	0.0	1.0	2.4	3.6	3.3	2.7	2.3	4.3	5.6
67.5°	2.8	3.0	2.2	1.7	2.7	4.1	5.5	5.3	4.6	3.8	5.4
65°	6.9	6.4	5.8	5.2	4.4	4.4	5.7	7.3	6.9	5.9	5.4
62.5°	10.4	10.3	9.5	8.6	7.7	6.7	6.1	8.2	9.0	8.0	6.7
60°	13.3	13.9	13.3	12.1	11.0	9.7	8.8	9.3	10.3	10.0	8.5
57.5°	18.5	18.0	17.7	16.1	14.2	12.7	11.9	11.6	11.9	11.8	10.3
55°	32.5	22.6	22.8	21.1	18.2	15.6	15.0	14.4	13.8	13.5	12.0
52.5°	82.4	45.7	29.4	27.1	23.6	19.3	18.1	17.2	16.3	15.5	13.8
50°	152.2	98.6	55.8	35.0	29.9	25.4	21.1	20.0	18.8	17.6	15.4
47.5°	243.7	169.5	110.1	55.2	38.6	31.8	26.4	22.8	21.3	19.8	17.1
45°	375.4	249.7	173.1	109.4	51.3	43.9	32.7	25.6	23.8	21.9	18.7
42.5°	522.3	366.4	242.9	165.2	98.1	60.8	39.1	31.0	26.3	24.1	20.5
40°	666.3	506.3	326.3	227.8	148.0	81.4	56.3	37.0	28.8	26.4	22.5
37.5°	825.7	654.4	457.0	294.6	198.8	124.3	77.1	43.2	32.7	28.9	24.6
35°	1022.8	818.6	587.9	392.5	263.3	164.1	100.2	54.9	40.2	31.5	26.8
32.5°	1219.7	982.6	729.3	506.3	330.7	200.7	130.4	78.3	48.9	34.3	29.0
30°	1417.8	1132.7	862.5	611.6	408.2	259.6	162.9	101.1	58.9	37.1	31.3
27.5°	1596.2	1274.4	987.2	721.7	499.2	321.7	196.9	123.2	70.0	42.0	33.6
25°	1797.7	1427.6	1109.8	827.0	582.3	386.5	231.7	144.8	86.3	50.6	35.9
22.5°	2056.9	1585.0	1223.5	922.3	664.7	448.4	276.6	173.4	104.1	59.6	38.2
20°	2314.7	1738.8	1334.9	1041.9	754.3	518.2	328.4	201.8	121.1	69.0	40.6
17.5°	2567.7	1935.8	1497.0	1164.0	850.1	583.4	376.8	229.7	137.1	78.6	42.9
15°	2794.5	2161.5	1656.3	1279.5	944.0	643.7	421.6	256.8	152.0	88.2	45.9
12.5°	2985.0	2356.0	1806.3	1387.5	1034.4	698.8	462.6	282.8	165.9	98.9	50.0
10°	3142.4	2520.6	1945.4	1487.4	1119.8	748.4	499.4	308.8	182.0	110.2	54.3
7.5°	3268.2	2656.5	2071.9	1578.1	1197.4	794.7	539.1	336.2	197.7	121.0	58.7
5°	3362.8	2762.6	2169.7	1643.1	1259.0	837.3	575.7	361.4	212.3	131.0	63.1
2.5°	3424.2	2840.7	2242.2	1694.0	1309.1	873.1	607.8	384.0	225.6	140.2	67.3
0°	3460.4	2896.5	2297.0	1733.2	1347.4	902.2	635.1	403.6	237.4	148.4	71.2
-2.5°	3492.8	2933.1	2344.9	1801.4	1373.7	949.9	652.6	421.3	256.2	154.3	78.4
-5°	3503.5	2949.2	2376.2	1854.0	1389.5	988.4	664.8	435.7	272.6	159.0	85.1
-7.5°	3485.4	2939.5	2387.2	1883.9	1397.0	1015.7	672.0	447.1	286.0	162.7	90.9
-10°	3445.2	2907.7	2372.7	1874.9	1407.0	1024.2	676.1	455.4	295.7	165.5	95.7
-12.5°	3385.7	2859.7	2341.5	1855.0	1405.3	1018.8	687.3	461.9	300.8	167.3	99.3
-15°	3307.7	2796.8	2293.8	1825.6	1388.4	1006.5	690.1	464.2	300.2	170.8	101.4
-17.5°	3215.9	2720.6	2229.9	1788.1	1355.5	988.1	683.8	461.3	297.2	175.9	103.6
-20°	3124.0	2635.9	2154.1	1743.9	1305.8	964.1	667.9	452.9	291.8	179.3	105.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°	3016.3	2538.6	2088.6	1682.1	1252.0	935.2	641.9	438.5	284.0	180.7	106.7
-25°	2892.5	2425.0	2009.8	1597.2	1209.7	902.5	615.0	418.0	273.9	180.2	106.4
-27.5°	2752.5	2303.8	1917.1	1504.2	1165.7	856.9	589.5	402.9	265.3	177.6	104.8
-30°	2596.4	2189.5	1806.2	1414.7	1112.0	807.6	556.2	386.1	261.4	174.3	101.9
-32.5°	2428.1	2060.9	1687.0	1346.6	1050.8	756.4	526.8	367.0	254.9	170.1	102.0
-35°	2270.2	1921.0	1565.4	1267.9	986.0	726.1	507.1	345.9	245.7	164.2	102.6
-37.5°	2101.2	1774.3	1469.1	1185.9	917.7	691.2	491.2	336.4	233.8	156.6	102.2
-40°	1938.5	1635.1	1357.6	1107.7	867.2	652.0	466.1	325.9	222.4	147.4	100.8
-42.5°	1774.0	1504.2	1250.9	1022.7	819.5	614.1	434.0	309.7	213.2	142.1	98.5
-45°	1622.4	1369.1	1137.4	948.5	766.5	565.5	409.3	289.4	201.9	138.3	96.4
-47.5°	1463.2	1231.5	1033.7	867.3	697.2	512.8	377.9	273.4	188.2	133.3	95.0
-50°	1298.8	1101.2	936.7	778.0	612.4	468.7	344.3	254.4	183.3	129.3	92.6
-52.5°	1155.0	986.7	837.5	686.2	548.4	417.2	318.8	233.9	176.9	126.0	89.3
-55°	1031.1	877.9	739.8	611.0	487.5	379.3	290.0	224.2	168.8	121.9	85.3
-57.5°	921.6	777.0	659.6	543.9	436.6	342.9	269.8	212.6	160.4	116.1	81.7
-60°	815.1	696.5	586.8	483.6	389.1	311.4	253.9	199.3	150.4	108.9	77.7
-62.5°	716.7	612.3	516.8	423.6	346.6	285.8	235.8	183.8	138.5	99.8	72.4
-65°	613.5	524.5	443.8	370.7	307.9	255.8	212.4	166.2	122.9	88.9	65.6
-67.5°	506.3	440.9	378.0	317.0	265.8	222.0	185.4	142.8	104.7	76.3	57.6
-70°	421.6	364.1	310.8	262.9	221.1	185.4	151.5	115.4	84.4	65.4	49.1
-72.5°	335.6	288.7	245.0	206.9	177.1	146.8	116.0	88.3	70.0	53.9	40.1
-75°	248.5	216.7	188.3	161.8	134.9	108.4	88.4	70.2	55.1	42.0	33.8
-77.5°	180.3	157.4	136.4	119.7	101.2	83.5	66.8	51.5	41.8	34.8	28.4
-80°	122.5	110.4	98.9	87.1	72.2	58.2	48.2	39.6	33.6	28.1	22.9
-82.5°	77.2	70.7	65.0	59.0	50.4	42.6	35.7	29.9	25.3	21.1	18.6
-85°	45.8	42.3	39.0	35.7	30.9	26.6	24.6	22.7	20.8	18.8	16.9
-87.5°	25.8	25.4	25.0	24.6	23.4	22.2	21.2	20.3	18.6	16.9	15.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.9	4.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	11.9	10.4	8.9	7.4	5.9	5.9	5.9
87.5°	4.4	4.9	5.4	5.7	5.9	5.9	5.9
85°	2.9	4.0	4.9	5.5	5.9	5.9	5.9
82.5°	1.4	3.1	4.4	5.3	5.9	5.9	5.9
80°	0.3	2.2	3.9	5.2	5.9	5.9	5.9
77.5°	1.8	2.0	3.5	5.0	5.9	5.9	5.9
75°	3.3	2.9	3.2	4.9	5.9	5.9	5.9
72.5°	4.7	3.8	3.7	4.8	5.9	5.9	5.9
70°	5.9	4.7	4.2	4.7	5.9	5.9	5.9
67.5°	6.1	5.5	4.7	4.9	5.9	5.9	5.9
65°	6.3	6.1	5.1	5.1	5.9	5.9	5.9
62.5°	6.6	6.6	5.5	5.3	5.9	5.9	5.9
60°	7.0	7.1	5.9	5.5	5.9	5.9	5.9
57.5°	8.4	7.7	6.5	5.6	6.0	5.9	5.9
55°	10.0	8.3	7.1	5.7	6.1	5.9	5.9
52.5°	11.4	9.1	7.7	5.8	6.2	5.9	5.9
50°	12.9	10.3	8.4	5.9	6.3	5.9	5.9
47.5°	14.3	11.5	9.1	6.0	6.5	5.9	5.9
45°	15.7	12.7	9.8	6.6	6.6	5.9	5.9
42.5°	17.1	13.8	10.5	7.1	6.8	5.9	5.9
40°	18.4	14.9	11.4	7.9	7.0	5.9	5.9
37.5°	19.6	15.9	12.2	8.7	7.3	5.9	5.9
35°	20.9	17.0	13.0	9.4	7.5	5.9	5.9
32.5°	22.2	18.0	13.8	10.2	7.8	5.9	5.9
30°	24.0	18.9	14.6	10.9	8.1	5.9	5.9
27.5°	25.8	19.8	15.5	11.7	8.4	5.9	5.9
25°	27.5	20.7	16.4	12.4	8.7	5.9	5.9
22.5°	29.3	21.6	17.3	13.0	9.0	5.9	5.9
20°	31.0	22.7	18.2	13.7	9.4	5.9	5.9
17.5°	32.7	23.7	19.0	14.3	9.7	5.9	5.9
15°	34.3	24.7	19.8	14.9	10.0	5.9	5.9
12.5°	35.9	25.7	20.6	15.4	10.4	5.9	5.9
10°	37.3	26.6	21.3	16.0	10.7	5.9	5.9
7.5°	38.5	27.5	21.9	16.5	11.0	5.9	5.9
5°	39.6	28.3	22.6	17.0	11.3	5.9	5.9
2.5°	40.6	29.0	23.2	17.4	11.6	5.9	5.9
0°	41.5	29.7	23.7	17.8	11.9	5.9	5.9
-2.5°	43.8	30.3	24.2	17.8	11.9	5.9	5.9
-5°	45.9	30.9	24.6	17.7	11.9	5.9	5.9
-7.5°	47.8	31.4	25.0	17.6	11.8	5.9	5.9
-10°	49.3	31.8	25.3	17.5	11.7	5.9	5.9
-12.5°	50.5	32.2	25.5	17.4	11.6	5.9	5.9
-15°	51.2	32.5	25.6	17.2	11.5	5.9	5.9
-17.5°	51.5	32.8	25.6	17.0	11.3	5.9	5.9
-20°	52.8	33.0	25.4	16.7	11.2	5.9	5.9

Classified

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

Scaled Data Report



REPORT NUMBER: P627670 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	56.2	33.1	25.1	16.4	11.0	5.9	5.9
-25°	59.0	35.3	24.6	16.1	10.8	5.9	5.9
-27.5°	61.1	38.1	24.1	15.8	10.5	5.9	5.9
-30°	62.6	40.5	23.5	15.4	10.3	5.9	5.9
-32.5°	63.4	42.4	24.3	15.0	10.0	5.9	5.9
-35°	65.1	44.0	25.0	14.6	9.7	5.9	5.9
-37.5°	66.9	45.0	25.4	14.1	9.4	5.9	5.9
-40°	67.9	45.3	25.6	13.6	9.1	5.9	5.9
-42.5°	68.3	45.3	25.7	13.4	8.7	5.9	5.9
-45°	67.9	45.0	25.9	13.4	8.4	5.9	5.9
-47.5°	66.9	44.3	25.7	13.4	8.0	5.9	5.9
-50°	65.5	43.3	25.2	13.2	7.6	5.9	5.9
-52.5°	63.7	41.9	24.5	12.9	7.2	5.9	5.9
-55°	61.4	40.2	23.4	12.6	6.8	5.9	5.9
-57.5°	58.7	38.0	22.1	12.1	6.3	5.9	5.9
-60°	55.5	35.4	20.5	11.6	5.9	5.9	5.9
-62.5°	51.0	32.4	19.4	10.9	5.9	5.9	5.9
-65°	46.0	29.1	18.1	10.2	5.9	5.9	5.9
-67.5°	40.4	26.1	16.7	9.4	5.9	5.9	5.9
-70°	34.4	23.7	15.2	8.5	5.9	5.9	5.9
-72.5°	30.4	21.1	13.6	8.3	5.9	5.9	5.9
-75°	26.5	18.4	11.8	8.3	5.9	5.9	5.9
-77.5°	22.3	15.6	11.2	8.2	5.9	5.9	5.9
-80°	18.1	14.0	10.8	8.1	5.9	5.9	5.9
-82.5°	16.3	13.2	10.4	7.9	5.9	5.9	5.9
-85°	14.9	12.3	9.9	7.8	5.9	5.9	5.9
-87.5°	13.4	11.3	9.4	7.6	5.9	5.9	5.9
-90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9

(END OF REPORT)