

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: P627910 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6D-722-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627910 (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-SA6D-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: -

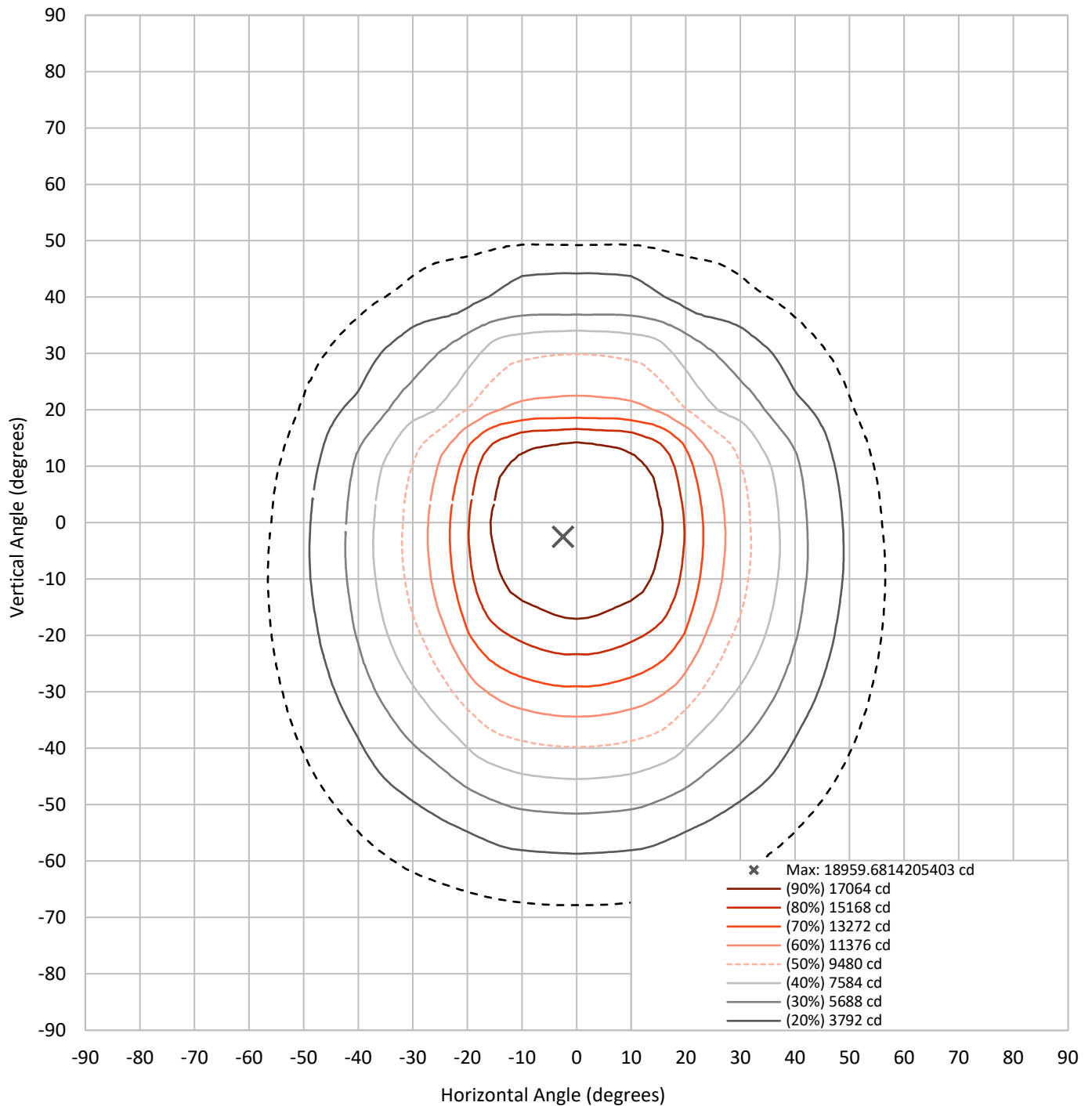
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	25302.3 lumens	Max Intensity:	18959.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	77.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	14639.1 lumens	Field Lumens:	24010.3 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	325.9		
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





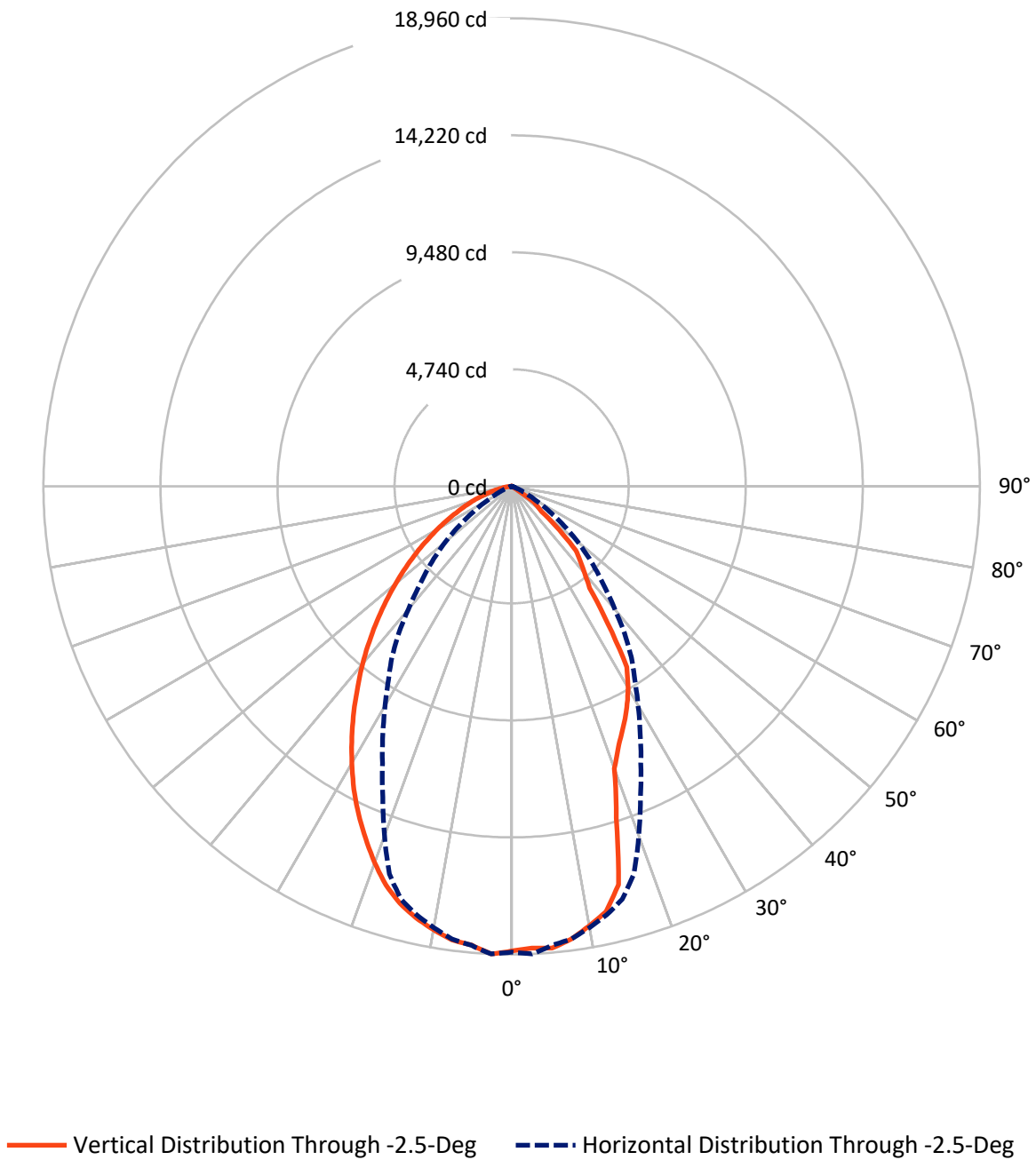
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### Lumen Table

90																			
80	0.1	0.2		0.2		0.3		0.3		0.3		0.2		0.2		0.1			
70																			
60	0.2	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.2			
50		0.2	0.5	2.3	6.9	13.3	19.7	24.6	24.6	19.7	13.3	6.9	2.3	0.5	0.2				
40	0.4	0.5	2.8	13.0	31.4	56.5	83.4	102.1	102.1	83.4	56.5	31.4	13.0	2.8	0.5	0.4			
30		1.2	9.4	32.9	73.3	118.9	178.2	208.4	208.4	178.2	118.9	73.3	32.9	9.4	1.2				
20	0.8	2.8	18.2	58.2	118.2	187.3	281.0	323.0	323.0	281.0	187.3	118.2	58.2	18.2	2.8	0.8			
10		4.8	27.9	86.2	170.2	280.1	417.1	478.3	478.3	417.1	280.1	170.2	86.2	27.9	4.8				
0	1.3	6.5	36.2	102.4	203.6	334.8	492.5	558.9	558.9	492.5	334.8	203.6	102.4	36.2	6.5	1.3			
-10		7.8	40.0	106.3	209.0	342.4	496.1	560.9	560.9	496.1	342.4	209.0	106.3	40.0	7.8				
-20	1.6	8.1	39.1	100.6	197.1	320.6	460.4	520.2	520.2	460.4	320.6	197.1	100.6	39.1	8.1	1.6			
-30		7.4	34.2	87.8	170.3	272.6	386.0	437.2	437.2	386.0	272.6	170.3	87.8	34.2	7.4				
-40	1.6	6.2	27.3	69.0	133.9	210.2	294.8	333.7	333.7	294.8	210.2	133.9	69.0	27.3	6.2	1.6			
-50		5.0	20.1	49.2	95.9	147.9	204.0	231.6	231.6	204.0	147.9	95.9	49.2	20.1	5.0				
-60	1.2	3.7	13.2	31.6	59.6	91.8	124.7	142.2	142.2	124.7	91.8	59.6	31.6	13.2	3.7	1.2			
-70		2.6	8.0	18.5	32.8	48.7	64.4	73.0	73.0	64.4	48.7	32.8	18.5	8.0	2.6				
-80	0.5	5.9		27.3		59.5		66.4		59.5		27.3		5.9		0.5			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

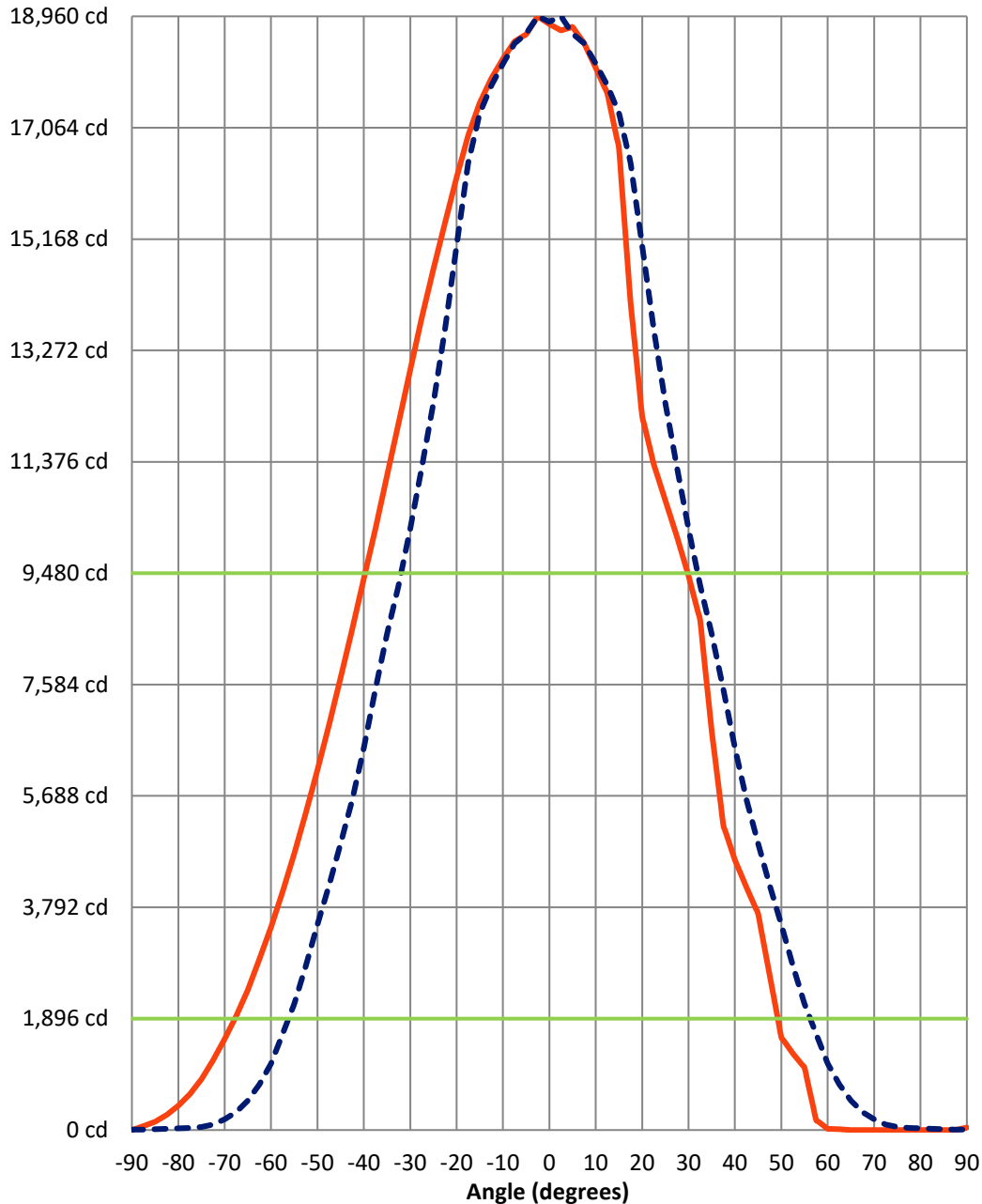
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 14639.1  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 24010.3  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 1292  
 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°	7.1	7.1	7.1	8.9	10.7	12.4	14.2	16.0	17.7	19.5	21.2
87.5°	7.1	7.1	7.1	6.9	6.5	5.9	5.3	3.7	2.3	1.1	0.0
85°	7.1	7.1	7.1	6.6	5.9	4.8	3.4	2.1	1.1	0.4	0.0
82.5°	7.1	7.1	7.1	6.4	5.3	3.7	1.7	0.5	0.2	1.0	1.9
80°	7.1	7.1	7.1	6.2	4.7	2.6	0.4	1.4	2.6	3.7	4.9
77.5°	7.1	7.1	7.1	6.0	4.2	2.4	2.2	3.5	5.0	6.4	6.4
75°	7.1	7.1	7.1	5.9	3.9	3.5	4.0	5.6	7.0	5.8	3.7
72.5°	7.1	7.1	7.1	5.7	4.5	4.6	5.7	7.0	6.0	4.1	1.2
70°	7.1	7.1	7.1	5.7	5.1	5.6	7.1	6.7	5.2	2.7	3.3
67.5°	7.1	7.1	7.1	5.9	5.7	6.6	7.3	6.5	4.6	5.5	6.3
65°	7.1	7.1	7.1	6.2	6.2	7.4	7.6	6.5	7.1	8.3	8.8
62.5°	7.1	7.1	7.1	6.4	6.7	7.9	8.0	8.0	9.6	10.8	9.8
60°	7.1	7.1	7.1	6.6	7.1	8.5	8.4	10.2	12.0	12.4	11.1
57.5°	7.1	7.1	7.2	6.7	7.8	9.2	10.1	12.3	14.0	14.2	13.9
55°	7.1	7.1	7.3	6.9	8.5	9.9	11.9	14.4	16.2	16.4	17.2
52.5°	7.1	7.1	7.4	7.0	9.2	10.9	13.7	16.4	18.4	19.5	20.6
50°	7.1	7.1	7.6	7.1	10.0	12.3	15.4	18.4	21.0	22.5	23.9
47.5°	7.1	7.1	7.8	7.3	10.8	13.7	17.1	20.4	23.6	25.5	27.2
45°	7.1	7.1	8.0	7.9	11.7	15.1	18.7	22.3	26.1	28.4	30.5
42.5°	7.1	7.1	8.2	8.6	12.6	16.4	20.3	24.5	28.7	31.3	37.0
40°	7.1	7.1	8.4	9.4	13.6	17.7	21.9	26.9	31.5	34.3	44.1
37.5°	7.1	7.1	8.7	10.4	14.6	19.0	23.4	29.4	34.5	39.0	51.4
35°	7.1	7.1	9.0	11.3	15.5	20.2	24.9	31.9	37.6	47.9	65.4
32.5°	7.1	7.1	9.3	12.2	16.5	21.4	26.6	34.6	40.8	58.3	93.4
30°	7.1	7.1	9.7	13.1	17.4	22.6	28.7	37.3	44.2	70.3	120.6
27.5°	7.1	7.1	10.1	13.9	18.5	23.6	30.8	40.1	50.1	83.5	146.9
25°	7.1	7.1	10.4	14.7	19.6	24.7	32.9	42.8	60.3	102.9	172.7
22.5°	7.1	7.1	10.8	15.5	20.7	25.8	34.9	45.6	71.1	124.2	206.8
20°	7.1	7.1	11.2	16.3	21.7	27.1	37.0	48.4	82.3	144.4	240.6
17.5°	7.1	7.1	11.6	17.0	22.7	28.3	39.0	51.1	93.7	163.4	273.9
15°	7.1	7.1	12.0	17.7	23.6	29.5	41.0	54.7	105.2	181.3	306.2
12.5°	7.1	7.1	12.4	18.4	24.5	30.6	42.8	59.6	117.9	197.8	337.2
10°	7.1	7.1	12.8	19.0	25.4	31.7	44.5	64.7	131.4	217.1	368.2
7.5°	7.1	7.1	13.2	19.6	26.2	32.7	46.0	70.0	144.2	235.8	400.9
5°	7.1	7.1	13.5	20.2	26.9	33.7	47.3	75.2	156.2	253.1	431.0
2.5°	7.1	7.1	13.9	20.7	27.6	34.6	48.5	80.2	167.2	269.0	457.9
0°	7.1	7.1	14.2	21.2	28.3	35.4	49.5	84.9	176.9	283.1	481.3
-2.5°	7.1	7.1	14.2	21.2	28.3	35.4	49.5	84.9	176.9	283.1	481.3
-5°	7.1	7.1	14.1	21.1	29.4	36.8	54.8	101.5	189.6	325.0	519.6
-7.5°	7.1	7.1	14.1	21.0	29.9	37.4	57.0	108.4	194.0	341.0	533.1
-10°	7.1	7.1	14.0	20.9	30.2	38.0	58.8	114.1	197.3	352.6	543.0
-12.5°	7.1	7.1	13.9	20.7	30.4	38.4	60.2	118.4	199.5	358.6	550.7
-15°	7.1	7.1	13.7	20.5	30.5	38.8	61.1	121.0	203.7	358.0	553.6
-17.5°	7.1	7.1	13.5	20.2	30.5	39.1	61.4	123.6	209.8	354.4	550.1
-20°	7.1	7.1	13.3	19.9	30.3	39.4	63.0	126.1	213.8	347.9	540.0

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Scaled Data Report



REPORT NUMBER: P627910 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-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°	7.1	7.1	13.1	19.6	29.9	39.5	67.0	127.2	215.5	338.6	522.8
-25°	7.1	7.1	12.9	19.2	29.4	42.1	70.4	126.8	214.9	326.5	498.3
-27.5°	7.1	7.1	12.6	18.8	28.7	45.4	72.9	124.9	211.9	316.3	480.4
-30°	7.1	7.1	12.3	18.4	28.0	48.3	74.7	121.4	207.9	311.7	460.3
-32.5°	7.1	7.1	12.0	17.9	29.0	50.6	75.7	121.6	202.8	304.0	437.6
-35°	7.1	7.1	11.6	17.4	29.7	52.5	77.7	122.3	195.8	293.0	412.4
-37.5°	7.1	7.1	11.3	16.8	30.2	53.6	79.8	121.8	186.7	278.8	401.1
-40°	7.1	7.1	10.9	16.3	30.5	54.0	81.0	120.2	175.7	265.2	388.6
-42.5°	7.1	7.1	10.5	15.9	30.7	54.0	81.4	117.5	169.4	254.2	369.3
-45°	7.1	7.1	10.0	16.0	30.8	53.6	81.0	115.0	164.9	240.7	345.1
-47.5°	7.1	7.1	9.6	15.9	30.6	52.8	79.8	113.3	159.0	224.4	326.0
-50°	7.1	7.1	9.1	15.7	30.1	51.6	78.1	110.5	154.3	218.6	303.3
-52.5°	7.1	7.1	8.6	15.4	29.2	50.0	76.0	106.6	150.3	210.9	278.9
-55°	7.1	7.1	8.1	15.0	27.9	48.0	73.3	101.8	145.4	201.3	267.3
-57.5°	7.1	7.1	7.6	14.5	26.4	45.4	70.0	97.5	138.5	191.3	253.5
-60°	7.1	7.1	7.1	13.8	24.5	42.3	66.2	92.7	129.9	179.3	237.6
-62.5°	7.1	7.1	7.1	13.1	23.2	38.7	60.8	86.4	119.1	165.2	219.1
-65°	7.1	7.1	7.1	12.2	21.7	34.7	54.8	78.3	106.1	146.6	198.1
-67.5°	7.1	7.1	7.1	11.3	20.0	31.2	48.2	68.7	91.0	124.8	170.2
-70°	7.1	7.1	7.1	10.2	18.2	28.3	41.1	58.6	78.0	100.6	137.5
-72.5°	7.1	7.1	7.1	10.0	16.2	25.2	36.3	47.9	64.3	83.5	105.3
-75°	7.1	7.1	7.1	9.9	14.1	22.0	31.6	40.4	50.1	65.7	83.7
-77.5°	7.1	7.1	7.1	9.8	13.4	18.6	26.6	33.9	41.5	49.8	61.4
-80°	7.1	7.1	7.1	9.7	12.9	16.7	21.5	27.3	33.5	40.1	47.2
-82.5°	7.1	7.1	7.1	9.5	12.4	15.7	19.5	22.2	25.2	30.2	35.6
-85°	7.1	7.1	7.1	9.3	11.8	14.6	17.8	20.1	22.5	24.8	27.1
-87.5°	7.1	7.1	7.1	9.1	11.2	13.6	16.0	18.1	20.1	22.1	24.2
-90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	5.3	3.5	1.8	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°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	23.0	24.8	26.5
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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.1	1.8	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	4.7	3.8	1.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.0	2.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.5	0.1	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.2	2.0	1.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	4.0	4.3	2.9	1.2	0.0	0.4	1.0	0.8	0.0	0.4	0.9
67.5°	6.6	4.9	3.2	2.0	2.7	3.6	3.3	3.6	3.8	4.2	3.6
65°	6.9	5.2	5.3	6.2	7.0	7.7	8.3	8.8	7.4	6.4	6.5
62.5°	7.4	8.0	9.2	10.4	11.4	12.4	12.4	11.0	8.4	10.5	12.0
60°	10.5	11.6	13.1	14.5	15.9	16.6	15.9	16.1	17.8	20.7	39.8
57.5°	14.2	15.2	16.9	19.1	21.1	21.4	22.0	23.9	56.1	91.6	101.2
55°	17.9	18.6	21.6	25.1	27.2	27.0	38.8	81.8	123.5	171.1	188.7
52.5°	21.5	23.0	28.1	32.3	35.0	54.6	98.3	156.7	218.2	272.9	343.5
50°	25.2	30.3	35.6	41.7	66.6	117.6	181.6	261.2	354.0	441.3	530.8
47.5°	31.5	37.9	45.9	65.9	131.3	202.1	290.6	418.8	533.2	638.8	761.5
45°	38.9	52.3	61.2	130.4	206.4	297.7	447.6	604.4	708.1	849.6	1066.6
42.5°	46.6	72.4	116.9	197.0	289.6	436.9	622.7	756.3	894.3	1123.6	1351.8
40°	67.1	97.1	176.5	271.6	389.0	603.7	794.5	945.7	1134.2	1388.4	1626.6
37.5°	91.9	148.2	237.1	351.3	544.9	780.3	984.6	1200.6	1417.3	1657.0	2098.8
35°	119.6	195.7	314.0	468.0	701.0	976.1	1219.6	1461.0	1710.8	2182.7	2621.1
32.5°	155.6	239.4	394.3	603.7	869.6	1171.6	1454.3	1733.3	2134.0	2668.0	3107.9
30°	194.3	309.5	486.8	729.4	1028.4	1350.6	1690.5	2028.4	2558.7	3000.5	3478.2
27.5°	234.8	383.6	595.2	860.6	1177.1	1519.6	1903.3	2385.3	2858.2	3294.8	3819.7
25°	276.3	460.8	694.4	986.1	1323.4	1702.3	2143.5	2730.6	3100.5	3583.0	4130.6
22.5°	329.8	534.7	792.6	1099.8	1458.9	1889.9	2452.7	3042.3	3477.6	3883.4	4418.3
20°	391.6	617.9	899.4	1242.4	1591.7	2073.3	2760.1	3380.2	3892.3	4357.0	4848.3
17.5°	449.4	695.6	1013.7	1387.9	1785.0	2308.2	3061.8	3748.0	4311.5	4829.4	5442.7
15°	502.8	767.6	1125.6	1525.6	1975.0	2577.3	3332.3	4085.9	4729.4	5312.1	6009.0
12.5°	551.6	833.3	1233.4	1654.5	2153.8	2809.3	3559.4	4295.0	5002.3	5761.5	6552.5
10°	595.6	892.3	1335.3	1773.5	2319.7	3005.6	3747.0	4469.3	5182.9	5986.4	6865.2
7.5°	642.8	947.6	1427.7	1881.7	2470.5	3167.6	3896.9	4609.2	5328.9	6166.2	7068.5
5°	686.5	998.4	1501.2	1959.2	2587.2	3294.1	4009.7	4715.4	5439.7	6300.3	7222.4
2.5°	724.8	1041.1	1561.0	2019.9	2673.6	3387.2	4083.0	4804.0	5521.9	6409.2	7339.9
0°	757.3	1075.8	1606.6	2066.6	2739.0	3453.8	4126.2	4862.2	5570.0	6483.0	7417.2
-2.5°	778.1	1132.6	1637.9	2148.0	2796.1	3497.4	4164.8	4878.5	5621.8	6506.4	7504.0
-5°	792.7	1178.6	1656.8	2210.8	2833.4	3516.7	4177.5	4865.9	5635.6	6500.5	7516.8
-7.5°	801.2	1211.1	1665.7	2246.4	2846.5	3505.1	4156.0	4841.9	5613.0	6478.2	7460.6
-10°	806.2	1221.3	1677.7	2235.7	2829.3	3467.2	4108.1	4785.8	5548.7	6405.8	7353.8
-12.5°	819.5	1214.8	1675.6	2211.9	2792.1	3409.9	4037.1	4696.7	5441.8	6282.4	7206.2
-15°	822.8	1200.1	1655.5	2176.9	2735.2	3334.9	3944.1	4574.7	5309.9	6162.0	7042.9
-17.5°	815.4	1178.2	1616.3	2132.2	2659.0	3244.0	3834.7	4464.7	5186.2	6023.3	6871.5
-20°	796.5	1149.6	1557.0	2079.4	2568.6	3143.0	3725.1	4349.4	5043.9	5830.8	6679.6

Classified

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

Scaled Data Report



REPORT NUMBER: P627910 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-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°	765.4	1115.2	1493.0	2005.7	2490.5	3027.1	3596.6	4192.3	4865.6	5581.2	6421.7
-25°	733.4	1076.2	1442.5	1904.5	2396.6	2891.6	3449.0	4000.2	4656.2	5358.9	6104.9
-27.5°	703.0	1021.8	1390.0	1793.6	2286.0	2747.0	3282.1	3819.7	4420.7	5109.4	5796.2
-30°	663.3	963.0	1325.9	1686.9	2153.8	2610.8	3095.9	3625.0	4165.5	4819.1	5494.8
-32.5°	628.1	902.0	1253.0	1605.7	2011.6	2457.4	2895.3	3399.5	3927.0	4484.2	5151.9
-35°	604.7	865.8	1175.7	1511.9	1866.6	2290.6	2707.0	3145.1	3656.0	4178.9	4765.2
-37.5°	585.7	824.2	1094.3	1414.0	1751.7	2115.6	2505.5	2908.6	3354.3	3881.6	4432.8
-40°	555.8	777.5	1034.0	1320.9	1618.7	1949.6	2311.5	2676.4	3062.8	3577.9	4121.7
-42.5°	517.5	732.2	977.2	1219.5	1491.6	1793.6	2115.3	2458.9	2830.3	3277.7	3777.6
-45°	488.0	674.4	914.0	1131.0	1356.3	1632.5	1934.6	2245.9	2596.1	2980.2	3429.2
-47.5°	450.6	611.4	831.4	1034.1	1232.6	1468.5	1744.7	2039.3	2349.5	2695.6	3063.6
-50°	410.6	558.9	730.3	927.7	1117.0	1313.1	1548.7	1821.1	2102.6	2404.3	2732.6
-52.5°	380.2	497.5	653.9	818.2	998.7	1176.6	1377.2	1610.8	1862.2	2114.2	2403.1
-55°	345.9	452.4	581.2	728.5	882.1	1046.8	1229.5	1434.1	1639.0	1870.6	2101.0
-57.5°	321.7	408.9	520.6	648.6	786.5	926.4	1098.9	1271.8	1461.6	1653.2	1844.4
-60°	302.8	371.3	464.0	576.7	699.6	830.4	971.9	1131.7	1295.1	1451.5	1616.8
-62.5°	281.2	340.8	413.3	505.2	616.3	730.0	854.6	991.6	1139.4	1271.1	1399.2
-65°	253.2	305.0	367.2	442.0	529.3	625.4	731.6	847.0	974.7	1081.6	1186.3
-67.5°	221.0	264.7	316.9	378.0	450.7	525.8	603.7	701.3	805.0	892.2	977.4
-70°	180.6	221.0	263.6	313.5	370.5	434.2	502.7	573.5	644.5	715.7	793.7
-72.5°	138.2	175.0	211.2	246.7	292.2	344.3	400.2	459.6	521.5	582.5	641.7
-75°	105.4	129.2	160.8	192.9	224.4	258.4	296.2	343.4	401.0	460.1	514.3
-77.5°	79.6	99.6	120.6	142.7	162.6	187.6	214.9	244.3	291.8	346.4	401.5
-80°	57.4	69.4	86.1	103.9	117.9	131.7	146.0	160.9	196.2	240.2	287.1
-82.5°	42.6	50.8	60.1	70.4	77.5	84.3	92.0	101.8	128.0	157.7	189.1
-85°	29.3	31.8	36.8	42.5	46.5	50.5	54.6	58.8	72.9	88.7	105.7
-87.5°	25.3	26.5	27.9	29.3	29.8	30.3	30.8	31.2	36.0	41.0	46.1
-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: P627910 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-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°	28.3	30.1	31.9	33.6	35.4	37.2	39.0	40.7	42.5	42.5	42.5
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°	0.6	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3.2	3.6	3.7	2.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	7.5	7.2	5.3	3.5	1.7	2.7	4.3	5.1	5.2	4.6	3.6
62.5°	11.2	10.3	9.4	10.8	12.9	14.9	14.3	13.5	12.6	12.0	12.4
60°	41.9	28.0	32.3	40.5	37.8	25.9	42.6	48.3	41.1	28.2	27.2
57.5°	106.1	102.4	117.3	171.4	188.6	171.8	205.3	249.3	248.0	213.5	212.4
55°	226.0	303.3	396.5	411.6	476.4	606.5	707.7	663.3	663.1	696.4	804.0
52.5°	429.3	502.2	529.4	601.8	737.4	835.8	899.0	964.5	1036.2	1109.4	1183.6
50°	630.1	700.8	781.2	855.3	1043.0	1144.0	1127.2	1262.8	1436.3	1544.7	1600.4
47.5°	924.1	1035.7	1205.5	1471.5	1611.6	1712.9	1838.9	1992.5	2191.3	2460.9	2668.6
45°	1270.4	1445.8	1708.6	1991.2	2208.6	2307.6	2451.8	2689.6	3006.6	3315.2	3540.7
42.5°	1553.5	1794.1	2090.5	2360.5	2537.8	2700.5	2887.1	3087.7	3450.8	3780.5	4041.0
40°	1922.9	2110.3	2442.8	2697.3	2856.1	3017.4	3313.1	3613.3	3954.8	4261.9	4475.4
37.5°	2391.0	2602.0	2947.8	3235.7	3388.6	3445.6	3948.4	4366.4	4643.9	5036.0	5164.2
35°	2894.0	3241.2	3681.8	4055.1	4205.0	4504.1	5022.1	5605.3	6237.0	6469.4	6667.5
32.5°	3455.1	3883.4	4481.4	4882.0	5095.8	5549.7	6205.4	6827.8	7653.9	8102.3	8236.3
30°	3968.4	4459.9	4973.9	5363.2	5728.8	6275.5	6873.5	7640.9	8404.8	8978.1	9156.1
27.5°	4345.1	4889.0	5383.1	5747.7	6160.2	6749.6	7495.1	8272.3	9022.2	9607.1	9814.9
25°	4704.7	5319.4	5710.6	6134.6	6619.0	7261.3	8087.6	8951.1	9689.7	10184.0	10438.9
22.5°	5113.7	5719.8	6139.8	6498.9	7132.3	7872.5	8639.4	9615.2	10397.7	10792.1	11068.4
20°	5535.9	6221.7	6870.3	7204.4	7752.4	8689.6	9548.2	10469.4	11225.0	11636.0	11927.1
17.5°	6124.9	6998.8	7794.5	8267.5	8854.4	9974.9	11046.2	11978.0	13029.2	13400.5	13756.2
15°	6746.0	7757.5	8689.5	9438.9	10197.0	11307.2	12686.2	13810.8	15010.1	15545.8	16151.4
12.5°	7365.1	8322.3	9166.7	10133.4	11201.8	12184.0	13496.8	14897.2	15985.5	16668.6	17076.3
10°	7827.9	8716.8	9529.4	10498.5	11564.9	12675.9	13980.5	15415.9	16555.2	17138.2	17470.9
7.5°	8077.7	8928.6	9785.6	10767.6	11829.3	13012.5	14356.7	15780.8	16945.8	17510.6	17839.1
5°	8263.3	9080.4	9967.9	11001.6	12075.0	13274.8	14617.1	16024.3	17086.5	17686.7	18102.2
2.5°	8375.5	9176.6	10084.1	11152.8	12228.9	13478.5	14885.6	16344.2	17273.7	17756.5	18138.6
0°	8408.1	9214.9	10149.2	11232.0	12336.1	13595.9	14990.2	16434.0	17375.3	17842.4	18231.7
-2.5°	8444.7	9275.5	10235.3	11283.3	12378.1	13634.3	15057.5	16464.3	17311.2	17782.5	18152.8
-5°	8419.2	9280.2	10237.1	11240.9	12342.8	13589.0	14955.3	16270.7	17156.5	17666.1	18034.3
-7.5°	8343.0	9216.2	10163.3	11128.0	12208.9	13469.3	14829.8	16096.5	16993.8	17531.2	17934.1
-10°	8232.1	9079.9	10033.5	11010.5	12078.5	13278.2	14617.8	15876.9	16735.8	17306.3	17775.9
-12.5°	8109.2	8939.5	9858.6	10795.7	11852.0	13036.9	14334.8	15526.8	16380.5	17002.8	17338.4
-15°	7927.2	8756.9	9635.6	10542.1	11571.6	12721.1	13961.0	15104.6	15942.8	16449.3	16820.1
-17.5°	7695.6	8509.7	9342.7	10202.5	11172.5	12304.6	13552.0	14679.8	15363.2	15815.4	16179.9
-20°	7447.6	8200.4	8989.6	9801.0	10741.1	11862.5	13087.6	14071.3	14715.4	15150.0	15494.1



REPORT NUMBER: P627910 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-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°	7164.3	7889.2	8611.7	9387.3	10309.1	11337.2	12419.3	13369.9	14062.4	14458.3	14776.3
-25°	6840.9	7546.1	8232.1	8981.2	9828.4	10752.6	11758.7	12692.9	13313.1	13733.6	14049.0
-27.5°	6492.6	7155.1	7825.3	8498.0	9259.6	10180.4	11112.2	11980.0	12509.5	12933.3	13250.5
-30°	6144.9	6740.9	7360.9	7997.7	8712.6	9542.8	10414.4	11144.1	11702.5	12114.2	12408.8
-32.5°	5768.1	6333.7	6883.0	7478.2	8151.2	8882.9	9647.8	10342.0	10938.7	11315.8	11564.0
-35°	5382.3	5929.7	6432.5	6972.7	7566.4	8197.8	8903.9	9588.5	10177.7	10476.1	10718.1
-37.5°	4980.4	5526.2	6002.9	6454.2	6965.6	7550.4	8238.1	8891.3	9400.4	9656.8	9874.9
-40°	4630.9	5111.4	5540.5	5972.3	6388.1	6907.4	7549.2	8181.6	8590.1	8840.0	9042.6
-42.5°	4291.6	4697.0	5048.3	5435.4	5851.6	6363.5	6881.3	7411.6	7739.9	8017.4	8230.7
-45°	3896.4	4258.8	4588.2	4910.2	5289.8	5757.1	6227.5	6652.2	6959.7	7227.9	7435.7
-47.5°	3459.4	3809.2	4129.1	4417.0	4769.7	5159.5	5555.6	5909.1	6212.7	6477.7	6663.1
-50°	3052.1	3364.6	3677.0	3968.3	4274.0	4589.3	4910.6	5220.9	5509.0	5766.5	5924.3
-52.5°	2687.2	2975.6	3248.5	3503.3	3770.8	4037.2	4303.3	4587.4	4852.6	5096.3	5222.2
-55°	2357.0	2617.1	2863.5	3078.0	3292.6	3504.0	3732.0	3994.3	4238.5	4464.3	4554.7
-57.5°	2060.7	2283.2	2501.2	2682.7	2857.9	3026.0	3226.2	3447.7	3661.4	3854.9	3928.8
-60°	1788.1	1964.7	2147.0	2308.0	2460.7	2604.8	2779.4	2957.8	3131.1	3276.9	3339.9
-62.5°	1537.4	1688.4	1826.5	1957.4	2086.7	2216.5	2357.4	2498.9	2638.9	2751.2	2808.1
-65°	1295.6	1415.9	1526.9	1634.5	1738.9	1847.9	1958.2	2065.7	2169.3	2249.7	2298.9
-67.5°	1068.7	1160.1	1248.2	1332.0	1419.4	1507.8	1594.1	1676.4	1754.2	1816.3	1863.5
-70°	867.5	938.2	1007.2	1076.6	1149.5	1218.2	1283.2	1344.8	1402.7	1447.5	1483.8
-72.5°	699.3	756.7	816.2	878.7	937.7	989.0	1035.7	1080.7	1123.8	1149.1	1168.0
-75°	563.7	612.0	663.9	714.4	763.7	802.7	837.0	870.2	902.1	903.8	897.5
-77.5°	455.5	498.6	538.7	578.4	617.7	641.8	662.8	684.4	706.2	693.6	673.6
-80°	334.3	370.3	404.3	438.5	472.7	486.9	496.8	505.5	512.7	496.2	475.7
-82.5°	221.9	244.5	266.6	289.2	312.0	321.1	327.9	333.5	338.0	323.0	305.8
-85°	123.8	134.7	145.4	156.2	167.0	173.4	179.2	184.6	189.5	180.6	170.5
-87.5°	51.4	53.9	56.3	58.7	61.0	63.3	65.5	67.7	69.8	70.1	70.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627910 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-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°	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	40.7
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°	2.1	0.4	0.0	0.0	0.0	0.4	2.1	3.6	4.6	5.2	5.1
62.5°	13.0	13.6	14.0	14.2	14.0	13.6	13.0	12.4	12.0	12.6	13.5
60°	25.0	21.9	21.1	21.2	21.1	21.9	25.0	27.2	28.2	41.1	48.3
57.5°	196.2	168.0	172.2	191.1	172.2	168.0	196.2	212.4	213.5	248.0	249.3
55°	916.9	1023.5	1061.2	1040.4	1061.2	1023.5	916.9	804.0	696.4	663.1	663.3
52.5°	1242.2	1286.0	1302.9	1302.3	1302.9	1286.0	1242.2	1183.6	1109.4	1036.2	964.5
50°	1617.2	1602.4	1579.7	1557.1	1579.7	1602.4	1617.2	1600.4	1544.7	1436.3	1262.8
47.5°	2699.0	2652.2	2632.5	2668.2	2632.5	2652.2	2699.0	2668.6	2460.9	2191.3	1992.5
45°	3586.6	3641.4	3682.4	3680.3	3682.4	3641.4	3586.6	3540.7	3315.2	3006.6	2689.6
42.5°	4092.1	4121.2	4129.7	4119.1	4129.7	4121.2	4092.1	4041.0	3780.5	3450.8	3087.7
40°	4542.5	4577.3	4596.9	4614.5	4596.9	4577.3	4542.5	4475.4	4261.9	3954.8	3613.3
37.5°	5206.5	5219.3	5191.5	5173.7	5191.5	5219.3	5206.5	5164.2	5036.0	4643.9	4366.4
35°	6834.6	6867.9	6790.7	6872.3	6790.7	6867.9	6834.6	6667.5	6469.4	6237.0	5605.3
32.5°	8396.0	8552.2	8678.6	8783.2	8678.6	8552.2	8396.0	8236.3	8102.3	7653.9	6827.8
30°	9280.4	9381.2	9435.3	9448.5	9435.3	9381.2	9280.4	9156.1	8978.1	8404.8	7640.9
27.5°	9929.8	10035.5	10101.2	10149.2	10101.2	10035.5	9929.8	9814.9	9607.1	9022.2	8272.3
25°	10555.6	10652.3	10718.1	10743.7	10718.1	10652.3	10555.6	10438.9	10184.0	9689.7	8951.1
22.5°	11205.1	11272.3	11335.4	11366.5	11335.4	11272.3	11205.1	11068.4	10792.1	10397.7	9615.2
20°	12136.1	12099.6	12157.2	12137.9	12157.2	12099.6	12136.1	11927.1	11636.0	11225.0	10469.4
17.5°	14033.5	14053.1	14091.7	14155.0	14091.7	14053.1	14033.5	13756.2	13400.5	13029.2	11978.0
15°	16419.6	16467.7	16711.7	16929.4	16711.7	16467.7	16419.6	16151.4	15545.8	15010.1	13810.8
12.5°	17454.7	17620.8	17646.6	17707.9	17646.6	17620.8	17454.7	17076.3	16668.6	15985.5	14897.2
10°	17800.1	18087.8	18081.6	18153.8	18081.6	18087.8	17800.1	17470.9	17138.2	16555.2	15415.9
7.5°	18062.0	18371.1	18501.7	18557.2	18501.7	18371.1	18062.0	17839.1	17510.6	16945.8	15780.8
5°	18382.1	18552.0	18777.4	18712.9	18777.4	18552.0	18382.1	18102.2	17686.7	17086.5	16024.3
2.5°	18516.2	18782.4	18720.9	18783.7	18720.9	18782.4	18516.2	18138.6	17756.5	17273.7	16344.2
0°	18606.8	18797.9	18826.2	18889.9	18826.2	18797.9	18606.8	18231.7	17842.4	17375.3	16434.0
-2.5°	18497.0	18665.2	18959.7	18868.6	18959.7	18665.2	18497.0	18152.8	17782.5	17311.2	16464.3
-5°	18400.8	18814.7	18654.0	18854.5	18654.0	18814.7	18400.8	18034.3	17666.1	17156.5	16270.7
-7.5°	18351.1	18425.1	18531.8	18684.6	18531.8	18425.1	18351.1	17934.1	17531.2	16993.8	16096.5
-10°	17966.9	18042.7	18238.7	18344.9	18238.7	18042.7	17966.9	17775.9	17306.3	16735.8	15876.9
-12.5°	17550.4	17696.9	17902.8	17969.8	17902.8	17696.9	17550.4	17338.4	17002.8	16380.5	15526.8
-15°	17070.4	17288.2	17488.9	17531.0	17488.9	17288.2	17070.4	16820.1	16449.3	15942.8	15104.6
-17.5°	16460.2	16721.3	16932.1	16978.9	16932.1	16721.3	16460.2	16179.9	15815.4	15363.2	14679.8
-20°	15787.7	16037.8	16217.2	16271.2	16217.2	16037.8	15787.7	15494.1	15150.0	14715.4	14071.3



REPORT NUMBER: P627910 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-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°	15067.8	15293.0	15444.6	15421.9	15444.6	15293.0	15067.8	14776.3	14458.3	14062.4	13369.9
-25°	14303.4	14512.4	14656.9	14636.3	14656.9	14512.4	14303.4	14049.0	13733.6	13313.1	12692.9
-27.5°	13495.4	13693.3	13832.1	13836.5	13832.1	13693.3	13495.4	13250.5	12933.3	12509.5	11980.0
-30°	12646.2	12826.0	12938.8	12895.2	12938.8	12826.0	12646.2	12408.8	12114.2	11702.5	11144.1
-32.5°	11770.4	11933.1	12036.4	12067.2	12036.4	11933.1	11770.4	11564.0	11315.8	10938.7	10342.0
-35°	10906.6	11050.0	11139.2	11161.2	11139.2	11050.0	10906.6	10718.1	10476.1	10177.7	9588.5
-37.5°	10048.4	10171.7	10234.0	10205.8	10234.0	10171.7	10048.4	9874.9	9656.8	9400.4	8891.3
-40°	9200.2	9317.6	9389.0	9406.0	9389.0	9317.6	9200.2	9042.6	8840.0	8590.1	8181.6
-42.5°	8366.3	8464.0	8526.6	8556.7	8526.6	8464.0	8366.3	8230.7	8017.4	7739.9	7411.6
-45°	7557.0	7644.3	7703.1	7735.7	7703.1	7644.3	7557.0	7435.7	7227.9	6959.7	6652.2
-47.5°	6769.6	6846.1	6896.9	6921.8	6896.9	6846.1	6769.6	6663.1	6477.7	6212.7	5909.1
-50°	6016.6	6082.9	6130.2	6157.4	6130.2	6082.9	6016.6	5924.3	5766.5	5509.0	5220.9
-52.5°	5302.5	5360.4	5400.8	5421.4	5400.8	5360.4	5302.5	5222.2	5096.3	4852.6	4587.4
-55°	4620.6	4667.6	4704.9	4727.8	4704.9	4667.6	4620.6	4554.7	4464.3	4238.5	3994.3
-57.5°	3984.9	4023.2	4058.5	4083.7	4058.5	4023.2	3984.9	3928.8	3854.9	3661.4	3447.7
-60°	3389.6	3425.8	3455.9	3475.1	3455.9	3425.8	3389.6	3339.9	3276.9	3131.1	2957.8
-62.5°	2852.6	2884.6	2912.2	2930.1	2912.2	2884.6	2852.6	2808.1	2751.2	2638.9	2498.9
-65°	2337.7	2366.4	2386.9	2399.3	2386.9	2366.4	2337.7	2298.9	2249.7	2169.3	2065.7
-67.5°	1903.6	1936.8	1943.3	1939.2	1943.3	1936.8	1903.6	1863.5	1816.3	1754.2	1676.4
-70°	1516.2	1544.3	1550.9	1550.0	1550.9	1544.3	1516.2	1483.8	1447.5	1402.7	1344.8
-72.5°	1185.6	1200.9	1187.9	1167.8	1187.9	1200.9	1185.6	1168.0	1149.1	1123.8	1080.7
-75°	889.6	879.9	866.1	849.3	866.1	879.9	889.6	897.5	903.8	902.1	870.2
-77.5°	651.5	627.4	611.7	594.5	611.7	627.4	651.5	673.6	693.6	706.2	684.4
-80°	453.6	430.0	413.7	396.3	413.7	430.0	453.6	475.7	496.2	512.7	505.5
-82.5°	287.4	267.9	258.1	247.7	258.1	267.9	287.4	305.8	323.0	338.0	333.5
-85°	159.6	148.1	141.4	134.5	141.4	148.1	159.6	170.5	180.6	189.5	184.6
-87.5°	70.6	70.7	67.2	63.7	67.2	70.7	70.6	70.4	70.1	69.8	67.7
-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: P627910 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-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°	39.0	37.2	35.4	33.6	31.9	30.1	28.3	26.5	24.8	23.0	21.2
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	0.0	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	0.6	0.9	0.4	0.0	0.8
67.5°	0.0	0.0	1.3	2.9	3.7	3.6	3.2	3.6	4.2	3.8	3.6
65°	4.3	2.7	1.7	3.5	5.3	7.2	7.5	6.5	6.4	7.4	8.8
62.5°	14.3	14.9	12.9	10.8	9.4	10.3	11.2	12.0	10.5	8.4	11.0
60°	42.6	25.9	37.8	40.5	32.3	28.0	41.9	39.8	20.7	17.8	16.1
57.5°	205.3	171.8	188.6	171.4	117.3	102.4	106.1	101.2	91.6	56.1	23.9
55°	707.7	606.5	476.4	411.6	396.5	303.3	226.0	188.7	171.1	123.5	81.8
52.5°	899.0	835.8	737.4	601.8	529.4	502.2	429.3	343.5	272.9	218.2	156.7
50°	1127.2	1144.0	1043.0	855.3	781.2	700.8	630.1	530.8	441.3	354.0	261.2
47.5°	1838.9	1712.9	1611.6	1471.5	1205.5	1035.7	924.1	761.5	638.8	533.2	418.8
45°	2451.8	2307.6	2208.6	1991.2	1708.6	1445.8	1270.4	1066.6	849.6	708.1	604.4
42.5°	2887.1	2700.5	2537.8	2360.5	2090.5	1794.1	1553.5	1351.8	1123.6	894.3	756.3
40°	3313.1	3017.4	2856.1	2697.3	2442.8	2110.3	1922.9	1626.6	1388.4	1134.2	945.7
37.5°	3948.4	3445.6	3388.6	3235.7	2947.8	2602.0	2391.0	2098.8	1657.0	1417.3	1200.6
35°	5022.1	4504.1	4205.0	4055.1	3681.8	3241.2	2894.0	2621.1	2182.7	1710.8	1461.0
32.5°	6205.4	5549.7	5095.8	4882.0	4481.4	3883.4	3455.1	3107.9	2668.0	2134.0	1733.3
30°	6873.5	6275.5	5728.8	5363.2	4973.9	4459.9	3968.4	3478.2	3000.5	2558.7	2028.4
27.5°	7495.1	6749.6	6160.2	5747.7	5383.1	4889.0	4345.1	3819.7	3294.8	2858.2	2385.3
25°	8087.6	7261.3	6619.0	6134.6	5710.6	5319.4	4704.7	4130.6	3583.0	3100.5	2730.6
22.5°	8639.4	7872.5	7132.3	6498.9	6139.8	5719.8	5113.7	4418.3	3883.4	3477.6	3042.3
20°	9548.2	8689.6	7752.4	7204.4	6870.3	6221.7	5535.9	4848.3	4357.0	3892.3	3380.2
17.5°	11046.2	9974.9	8854.4	8267.5	7794.5	6998.8	6124.9	5442.7	4829.4	4311.5	3748.0
15°	12686.2	11307.2	10197.0	9438.9	8689.5	7757.5	6746.0	6009.0	5312.1	4729.4	4085.9
12.5°	13496.8	12184.0	11201.8	10133.4	9166.7	8322.3	7365.1	6552.5	5761.5	5002.3	4295.0
10°	13980.5	12675.9	11564.9	10498.5	9529.4	8716.8	7827.9	6865.2	5986.4	5182.9	4469.3
7.5°	14356.7	13012.5	11829.3	10767.6	9785.6	8928.6	8077.7	7068.5	6166.2	5328.9	4609.2
5°	14617.1	13274.8	12075.0	11001.6	9967.9	9080.4	8263.3	7222.4	6300.3	5439.7	4715.4
2.5°	14885.6	13478.5	12228.9	11152.8	10084.1	9176.6	8375.5	7339.9	6409.2	5521.9	4804.0
0°	14990.2	13595.9	12336.1	11232.0	10149.2	9214.9	8408.1	7417.2	6483.0	5570.0	4862.2
-2.5°	15057.5	13634.3	12378.1	11283.3	10235.3	9275.5	8444.7	7504.0	6506.4	5621.8	4878.5
-5°	14955.3	13589.0	12342.8	11240.9	10237.1	9280.2	8419.2	7516.8	6500.5	5635.6	4865.9
-7.5°	14829.8	13469.3	12208.9	11128.0	10163.3	9216.2	8343.0	7460.6	6478.2	5613.0	4841.9
-10°	14617.8	13278.2	12078.5	11010.5	10033.5	9079.9	8232.1	7353.8	6405.8	5548.7	4785.8
-12.5°	14334.8	13036.9	11852.0	10795.7	9858.6	8939.5	8109.2	7206.2	6282.4	5441.8	4696.7
-15°	13961.0	12721.1	11571.6	10542.1	9635.6	8756.9	7927.2	7042.9	6162.0	5309.9	4574.7
-17.5°	13552.0	12304.6	11172.5	10202.5	9342.7	8509.7	7695.6	6871.5	6023.3	5186.2	4464.7
-20°	13087.6	11862.5	10741.1	9801.0	8989.6	8200.4	7447.6	6679.6	5830.8	5043.9	4349.4



REPORT NUMBER: P627910 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-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°	12419.3	11337.2	10309.1	9387.3	8611.7	7889.2	7164.3	6421.7	5581.2	4865.6	4192.3
-25°	11758.7	10752.6	9828.4	8981.2	8232.1	7546.1	6840.9	6104.9	5358.9	4656.2	4000.2
-27.5°	11112.2	10180.4	9259.6	8498.0	7825.3	7155.1	6492.6	5796.2	5109.4	4420.7	3819.7
-30°	10414.4	9542.8	8712.6	7997.7	7360.9	6740.9	6144.9	5494.8	4819.1	4165.5	3625.0
-32.5°	9647.8	8882.9	8151.2	7478.2	6883.0	6333.7	5768.1	5151.9	4484.2	3927.0	3399.5
-35°	8903.9	8197.8	7566.4	6972.7	6432.5	5929.7	5382.3	4765.2	4178.9	3656.0	3145.1
-37.5°	8238.1	7550.4	6965.6	6454.2	6002.9	5526.2	4980.4	4432.8	3881.6	3354.3	2908.6
-40°	7549.2	6907.4	6388.1	5972.3	5540.5	5111.4	4630.9	4121.7	3577.9	3062.8	2676.4
-42.5°	6881.3	6363.5	5851.6	5435.4	5048.3	4697.0	4291.6	3777.6	3277.7	2830.3	2458.9
-45°	6227.5	5757.1	5289.8	4910.2	4588.2	4258.8	3896.4	3429.2	2980.2	2596.1	2245.9
-47.5°	5555.6	5159.5	4769.7	4417.0	4129.1	3809.2	3459.4	3063.6	2695.6	2349.5	2039.3
-50°	4910.6	4589.3	4274.0	3968.3	3677.0	3364.6	3052.1	2732.6	2404.3	2102.6	1821.1
-52.5°	4303.3	4037.2	3770.8	3503.3	3248.5	2975.6	2687.2	2403.1	2114.2	1862.2	1610.8
-55°	3732.0	3504.0	3292.6	3078.0	2863.5	2617.1	2357.0	2101.0	1870.6	1639.0	1434.1
-57.5°	3226.2	3026.0	2857.9	2682.7	2501.2	2283.2	2060.7	1844.4	1653.2	1461.6	1271.8
-60°	2779.4	2604.8	2460.7	2308.0	2147.0	1964.7	1788.1	1616.8	1451.5	1295.1	1131.7
-62.5°	2357.4	2216.5	2086.7	1957.4	1826.5	1688.4	1537.4	1399.2	1271.1	1139.4	991.6
-65°	1958.2	1847.9	1738.9	1634.5	1526.9	1415.9	1295.6	1186.3	1081.6	974.7	847.0
-67.5°	1594.1	1507.8	1419.4	1332.0	1248.2	1160.1	1068.7	977.4	892.2	805.0	701.3
-70°	1283.2	1218.2	1149.5	1076.6	1007.2	938.2	867.5	793.7	715.7	644.5	573.5
-72.5°	1035.7	989.0	937.7	878.7	816.2	756.7	699.3	641.7	582.5	521.5	459.6
-75°	837.0	802.7	763.7	714.4	663.9	612.0	563.7	514.3	460.1	401.0	343.4
-77.5°	662.8	641.8	617.7	578.4	538.7	498.6	455.5	401.5	346.4	291.8	244.3
-80°	496.8	486.9	472.7	438.5	404.3	370.3	334.3	287.1	240.2	196.2	160.9
-82.5°	327.9	321.1	312.0	289.2	266.6	244.5	221.9	189.1	157.7	128.0	101.8
-85°	179.2	173.4	167.0	156.2	145.4	134.7	123.8	105.7	88.7	72.9	58.8
-87.5°	65.5	63.3	61.0	58.7	56.3	53.9	51.4	46.1	41.0	36.0	31.2
-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: P627910 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-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°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	19.5	17.7	16.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	3.7
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	1.1	2.1
82.5°	0.0	0.0	0.0	0.1	1.2	1.8	2.1	1.9	1.0	0.2	0.5
80°	0.0	0.0	0.0	0.2	1.8	3.8	4.7	4.9	3.7	2.6	1.4
77.5°	0.0	0.0	0.0	0.1	0.7	2.0	4.0	6.4	6.4	5.0	3.5
75°	0.0	0.0	0.0	0.3	0.5	0.1	1.5	3.7	5.8	7.0	5.6
72.5°	0.0	0.0	0.0	0.9	1.9	2.0	1.2	1.2	4.1	6.0	7.0
70°	1.0	0.4	0.0	1.2	2.9	4.3	4.0	3.3	2.7	5.2	6.7
67.5°	3.3	3.6	2.7	2.0	3.2	4.9	6.6	6.3	5.5	4.6	6.5
65°	8.3	7.7	7.0	6.2	5.3	5.2	6.9	8.8	8.3	7.1	6.5
62.5°	12.4	12.4	11.4	10.4	9.2	8.0	7.4	9.8	10.8	9.6	8.0
60°	15.9	16.6	15.9	14.5	13.1	11.6	10.5	11.1	12.4	12.0	10.2
57.5°	22.0	21.4	21.1	19.1	16.9	15.2	14.2	13.9	14.2	14.0	12.3
55°	38.8	27.0	27.2	25.1	21.6	18.6	17.9	17.2	16.4	16.2	14.4
52.5°	98.3	54.6	35.0	32.3	28.1	23.0	21.5	20.6	19.5	18.4	16.4
50°	181.6	117.6	66.6	41.7	35.6	30.3	25.2	23.9	22.5	21.0	18.4
47.5°	290.6	202.1	131.3	65.9	45.9	37.9	31.5	27.2	25.5	23.6	20.4
45°	447.6	297.7	206.4	130.4	61.2	52.3	38.9	30.5	28.4	26.1	22.3
42.5°	622.7	436.9	289.6	197.0	116.9	72.4	46.6	37.0	31.3	28.7	24.5
40°	794.5	603.7	389.0	271.6	176.5	97.1	67.1	44.1	34.3	31.5	26.9
37.5°	984.6	780.3	544.9	351.3	237.1	148.2	91.9	51.4	39.0	34.5	29.4
35°	1219.6	976.1	701.0	468.0	314.0	195.7	119.6	65.4	47.9	37.6	31.9
32.5°	1454.3	1171.6	869.6	603.7	394.3	239.4	155.6	93.4	58.3	40.8	34.6
30°	1690.5	1350.6	1028.4	729.4	486.8	309.5	194.3	120.6	70.3	44.2	37.3
27.5°	1903.3	1519.6	1177.1	860.6	595.2	383.6	234.8	146.9	83.5	50.1	40.1
25°	2143.5	1702.3	1323.4	986.1	694.4	460.8	276.3	172.7	102.9	60.3	42.8
22.5°	2452.7	1889.9	1458.9	1099.8	792.6	534.7	329.8	206.8	124.2	71.1	45.6
20°	2760.1	2073.3	1591.7	1242.4	899.4	617.9	391.6	240.6	144.4	82.3	48.4
17.5°	3061.8	2308.2	1785.0	1387.9	1013.7	695.6	449.4	273.9	163.4	93.7	51.1
15°	3332.3	2577.3	1975.0	1525.6	1125.6	767.6	502.8	306.2	181.3	105.2	54.7
12.5°	3559.4	2809.3	2153.8	1654.5	1233.4	833.3	551.6	337.2	197.8	117.9	59.6
10°	3747.0	3005.6	2319.7	1773.5	1335.3	892.3	595.6	368.2	217.1	131.4	64.7
7.5°	3896.9	3167.6	2470.5	1881.7	1427.7	947.6	642.8	400.9	235.8	144.2	70.0
5°	4009.7	3294.1	2587.2	1959.2	1501.2	998.4	686.5	431.0	253.1	156.2	75.2
2.5°	4083.0	3387.2	2673.6	2019.9	1561.0	1041.1	724.8	457.9	269.0	167.2	80.2
0°	4126.2	3453.8	2739.0	2066.6	1606.6	1075.8	757.3	481.3	283.1	176.9	84.9
-2.5°	4164.8	3497.4	2796.1	2148.0	1637.9	1132.6	778.1	502.4	305.4	183.9	93.6
-5°	4177.5	3516.7	2833.4	2210.8	1656.8	1178.6	792.7	519.6	325.0	189.6	101.5
-7.5°	4156.0	3505.1	2846.5	2246.4	1665.7	1211.1	801.2	533.1	341.0	194.0	108.4
-10°	4108.1	3467.2	2829.3	2235.7	1677.7	1221.3	806.2	543.0	352.6	197.3	114.1
-12.5°	4037.1	3409.9	2792.1	2211.9	1675.6	1214.8	819.5	550.7	358.6	199.5	118.4
-15°	3944.1	3334.9	2735.2	2176.9	1655.5	1200.1	822.8	553.6	358.0	203.7	121.0
-17.5°	3834.7	3244.0	2659.0	2132.2	1616.3	1178.2	815.4	550.1	354.4	209.8	123.6
-20°	3725.1	3143.0	2568.6	2079.4	1557.0	1149.6	796.5	540.0	347.9	213.8	126.1

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REPORT NUMBER: P627910 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-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°	3596.6	3027.1	2490.5	2005.7	1493.0	1115.2	765.4	522.8	338.6	215.5	127.2
-25°	3449.0	2891.6	2396.6	1904.5	1442.5	1076.2	733.4	498.3	326.5	214.9	126.8
-27.5°	3282.1	2747.0	2286.0	1793.6	1390.0	1021.8	703.0	480.4	316.3	211.9	124.9
-30°	3095.9	2610.8	2153.8	1686.9	1325.9	963.0	663.3	460.3	311.7	207.9	121.4
-32.5°	2895.3	2457.4	2011.6	1605.7	1253.0	902.0	628.1	437.6	304.0	202.8	121.6
-35°	2707.0	2290.6	1866.6	1511.9	1175.7	865.8	604.7	412.4	293.0	195.8	122.3
-37.5°	2505.5	2115.6	1751.7	1414.0	1094.3	824.2	585.7	401.1	278.8	186.7	121.8
-40°	2311.5	1949.6	1618.7	1320.9	1034.0	777.5	555.8	388.6	265.2	175.7	120.2
-42.5°	2115.3	1793.6	1491.6	1219.5	977.2	732.2	517.5	369.3	254.2	169.4	117.5
-45°	1934.6	1632.5	1356.3	1131.0	914.0	674.4	488.0	345.1	240.7	164.9	115.0
-47.5°	1744.7	1468.5	1232.6	1034.1	831.4	611.4	450.6	326.0	224.4	159.0	113.3
-50°	1548.7	1313.1	1117.0	927.7	730.3	558.9	410.6	303.3	218.6	154.3	110.5
-52.5°	1377.2	1176.6	998.7	818.2	653.9	497.5	380.2	278.9	210.9	150.3	106.6
-55°	1229.5	1046.8	882.1	728.5	581.2	452.4	345.9	267.3	201.3	145.4	101.8
-57.5°	1098.9	926.4	786.5	648.6	520.6	408.9	321.7	253.5	191.3	138.5	97.5
-60°	971.9	830.4	699.6	576.7	464.0	371.3	302.8	237.6	179.3	129.9	92.7
-62.5°	854.6	730.0	616.3	505.2	413.3	340.8	281.2	219.1	165.2	119.1	86.4
-65°	731.6	625.4	529.3	442.0	367.2	305.0	253.2	198.1	146.6	106.1	78.3
-67.5°	603.7	525.8	450.7	378.0	316.9	264.7	221.0	170.2	124.8	91.0	68.7
-70°	502.7	434.2	370.5	313.5	263.6	221.0	180.6	137.5	100.6	78.0	58.6
-72.5°	400.2	344.3	292.2	246.7	211.2	175.0	138.2	105.3	83.5	64.3	47.9
-75°	296.2	258.4	224.4	192.9	160.8	129.2	105.4	83.7	65.7	50.1	40.4
-77.5°	214.9	187.6	162.6	142.7	120.6	99.6	79.6	61.4	49.8	41.5	33.9
-80°	146.0	131.7	117.9	103.9	86.1	69.4	57.4	47.2	40.1	33.5	27.3
-82.5°	92.0	84.3	77.5	70.4	60.1	50.8	42.6	35.6	30.2	25.2	22.2
-85°	54.6	50.5	46.5	42.5	36.8	31.8	29.3	27.1	24.8	22.5	20.1
-87.5°	30.8	30.3	29.8	29.3	27.9	26.5	25.3	24.2	22.1	20.1	18.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.5	5.3

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REPORT NUMBER: P627910 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	14.2	12.4	10.7	8.9	7.1	7.1	7.1
87.5°	5.3	5.9	6.5	6.9	7.1	7.1	7.1
85°	3.4	4.8	5.9	6.6	7.1	7.1	7.1
82.5°	1.7	3.7	5.3	6.4	7.1	7.1	7.1
80°	0.4	2.6	4.7	6.2	7.1	7.1	7.1
77.5°	2.2	2.4	4.2	6.0	7.1	7.1	7.1
75°	4.0	3.5	3.9	5.9	7.1	7.1	7.1
72.5°	5.7	4.6	4.5	5.7	7.1	7.1	7.1
70°	7.1	5.6	5.1	5.7	7.1	7.1	7.1
67.5°	7.3	6.6	5.7	5.9	7.1	7.1	7.1
65°	7.6	7.4	6.2	6.2	7.1	7.1	7.1
62.5°	8.0	7.9	6.7	6.4	7.1	7.1	7.1
60°	8.4	8.5	7.1	6.6	7.1	7.1	7.1
57.5°	10.1	9.2	7.8	6.7	7.2	7.1	7.1
55°	11.9	9.9	8.5	6.9	7.3	7.1	7.1
52.5°	13.7	10.9	9.2	7.0	7.4	7.1	7.1
50°	15.4	12.3	10.0	7.1	7.6	7.1	7.1
47.5°	17.1	13.7	10.8	7.3	7.8	7.1	7.1
45°	18.7	15.1	11.7	7.9	8.0	7.1	7.1
42.5°	20.3	16.4	12.6	8.6	8.2	7.1	7.1
40°	21.9	17.7	13.6	9.4	8.4	7.1	7.1
37.5°	23.4	19.0	14.6	10.4	8.7	7.1	7.1
35°	24.9	20.2	15.5	11.3	9.0	7.1	7.1
32.5°	26.6	21.4	16.5	12.2	9.3	7.1	7.1
30°	28.7	22.6	17.4	13.1	9.7	7.1	7.1
27.5°	30.8	23.6	18.5	13.9	10.1	7.1	7.1
25°	32.9	24.7	19.6	14.7	10.4	7.1	7.1
22.5°	34.9	25.8	20.7	15.5	10.8	7.1	7.1
20°	37.0	27.1	21.7	16.3	11.2	7.1	7.1
17.5°	39.0	28.3	22.7	17.0	11.6	7.1	7.1
15°	41.0	29.5	23.6	17.7	12.0	7.1	7.1
12.5°	42.8	30.6	24.5	18.4	12.4	7.1	7.1
10°	44.5	31.7	25.4	19.0	12.8	7.1	7.1
7.5°	46.0	32.7	26.2	19.6	13.2	7.1	7.1
5°	47.3	33.7	26.9	20.2	13.5	7.1	7.1
2.5°	48.5	34.6	27.6	20.7	13.9	7.1	7.1
0°	49.5	35.4	28.3	21.2	14.2	7.1	7.1
-2.5°	52.3	36.2	28.9	21.2	14.2	7.1	7.1
-5°	54.8	36.8	29.4	21.1	14.1	7.1	7.1
-7.5°	57.0	37.4	29.9	21.0	14.1	7.1	7.1
-10°	58.8	38.0	30.2	20.9	14.0	7.1	7.1
-12.5°	60.2	38.4	30.4	20.7	13.9	7.1	7.1
-15°	61.1	38.8	30.5	20.5	13.7	7.1	7.1
-17.5°	61.4	39.1	30.5	20.2	13.5	7.1	7.1
-20°	63.0	39.4	30.3	19.9	13.3	7.1	7.1

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REPORT NUMBER: P627910 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-722-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	67.0	39.5	29.9	19.6	13.1	7.1	7.1
-25°	70.4	42.1	29.4	19.2	12.9	7.1	7.1
-27.5°	72.9	45.4	28.7	18.8	12.6	7.1	7.1
-30°	74.7	48.3	28.0	18.4	12.3	7.1	7.1
-32.5°	75.7	50.6	29.0	17.9	12.0	7.1	7.1
-35°	77.7	52.5	29.7	17.4	11.6	7.1	7.1
-37.5°	79.8	53.6	30.2	16.8	11.3	7.1	7.1
-40°	81.0	54.0	30.5	16.3	10.9	7.1	7.1
-42.5°	81.4	54.0	30.7	15.9	10.5	7.1	7.1
-45°	81.0	53.6	30.8	16.0	10.0	7.1	7.1
-47.5°	79.8	52.8	30.6	15.9	9.6	7.1	7.1
-50°	78.1	51.6	30.1	15.7	9.1	7.1	7.1
-52.5°	76.0	50.0	29.2	15.4	8.6	7.1	7.1
-55°	73.3	48.0	27.9	15.0	8.1	7.1	7.1
-57.5°	70.0	45.4	26.4	14.5	7.6	7.1	7.1
-60°	66.2	42.3	24.5	13.8	7.1	7.1	7.1
-62.5°	60.8	38.7	23.2	13.1	7.1	7.1	7.1
-65°	54.8	34.7	21.7	12.2	7.1	7.1	7.1
-67.5°	48.2	31.2	20.0	11.3	7.1	7.1	7.1
-70°	41.1	28.3	18.2	10.2	7.1	7.1	7.1
-72.5°	36.3	25.2	16.2	10.0	7.1	7.1	7.1
-75°	31.6	22.0	14.1	9.9	7.1	7.1	7.1
-77.5°	26.6	18.6	13.4	9.8	7.1	7.1	7.1
-80°	21.5	16.7	12.9	9.7	7.1	7.1	7.1
-82.5°	19.5	15.7	12.4	9.5	7.1	7.1	7.1
-85°	17.8	14.6	11.8	9.3	7.1	7.1	7.1
-87.5°	16.0	13.6	11.2	9.1	7.1	7.1	7.1
-90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1

(END OF REPORT)