

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: P627732 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-722-U-WR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627732 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA5E-722-U-WR-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6 WITH VISOR  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

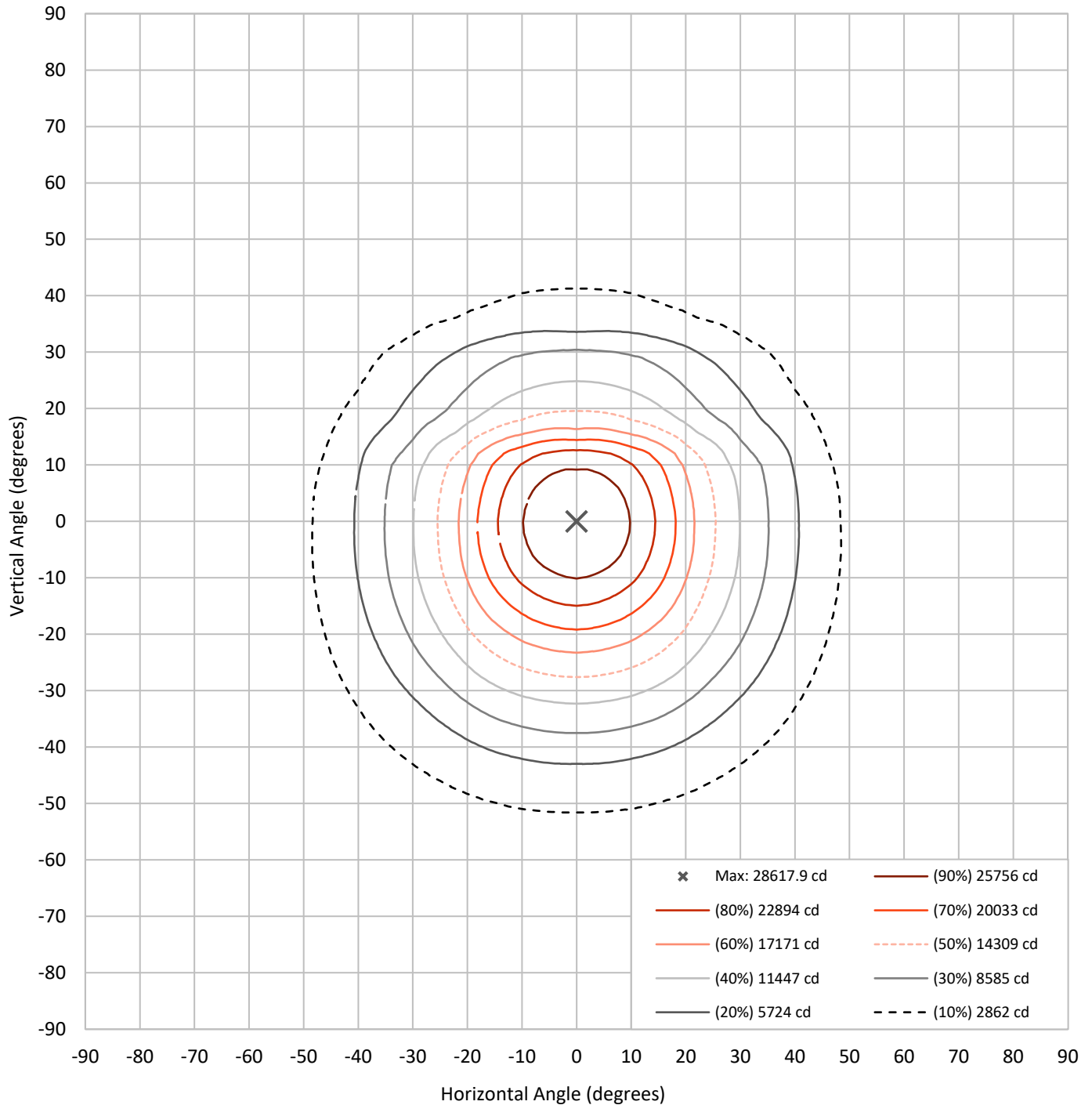
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	25247.2 lumens	Max Intensity:	28617.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	80.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	50.9°H x 47.1°V	Field Angle (10%):	96.7°H x 92.9°V
Beam Lumens:	12155.3 lumens	Field Lumens:	22604.8 lumens
Beam Efficiency:	48.1%	Field Efficiency:	89.5%
Input Watts (W):	313.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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### Iso-Candela Plot





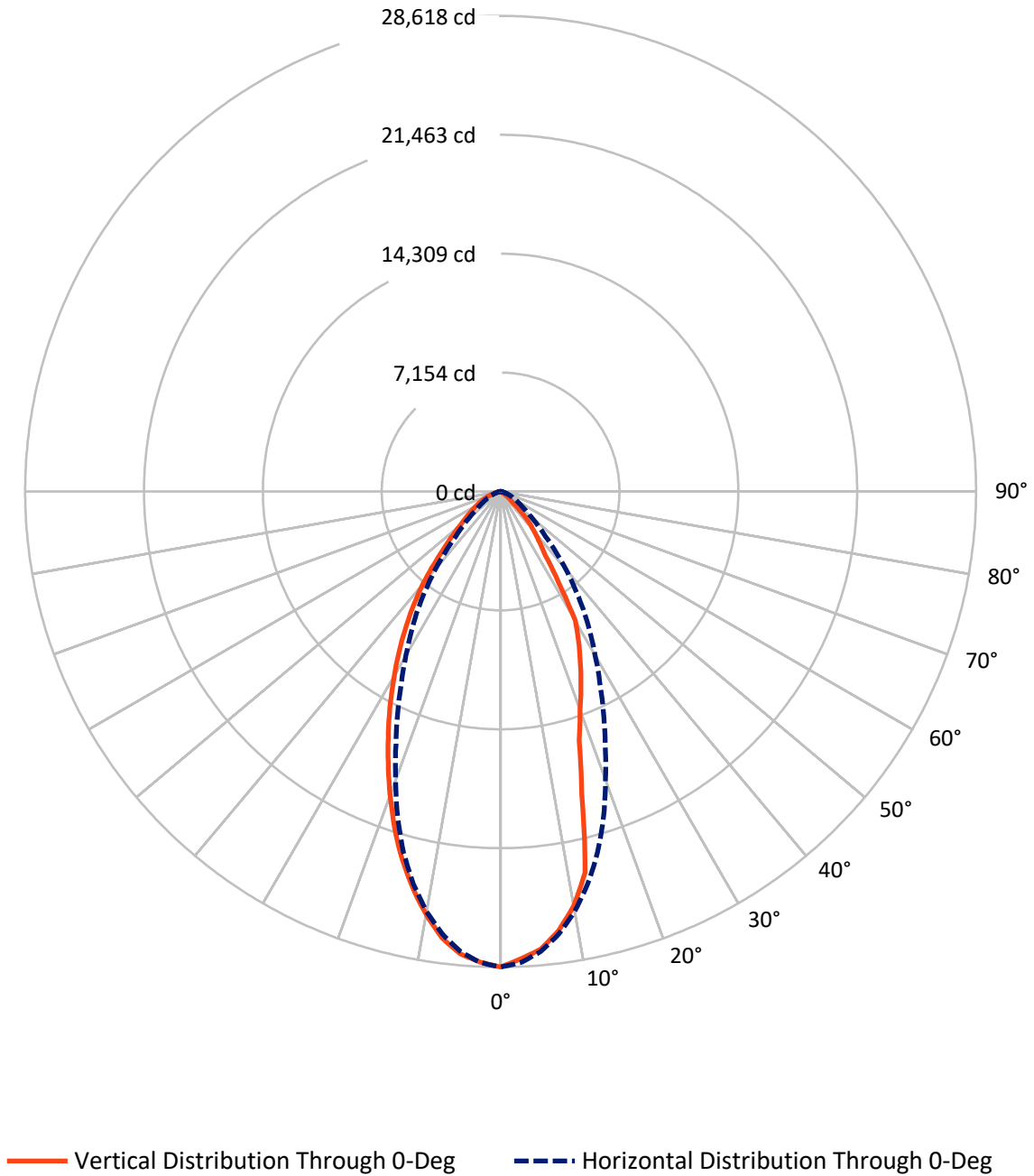
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### Lumen Table

90																			
80	0.0	0.1		0.2		0.0		0.0		0.0		0.2		0.1		0.0			
70																			
60	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1			
50		0.5	1.3	2.4	4.0	5.8	7.9	8.9	8.9	7.9	5.8	4.0	2.4	1.3	0.5				
40	1.1	1.9	4.9	10.3	18.8	30.8	44.5	54.5	54.5	44.5	30.8	18.8	10.3	4.9	1.9	1.1			
30		3.8	9.8	22.8	47.1	86.6	132.4	159.2	159.2	132.4	86.6	47.1	22.8	9.8	3.8				
20	2.8	6.0	16.0	41.5	98.1	184.1	280.2	337.7	337.7	280.2	184.1	98.1	41.5	16.0	6.0	2.8			
10		8.2	22.8	65.0	161.3	298.3	466.2	576.4	576.4	466.2	298.3	161.3	65.0	22.8	8.2				
0	3.9	9.5	28.6	84.1	211.9	394.9	634.0	803.8	803.8	634.0	394.9	211.9	84.1	28.6	9.5	3.9			
-10		9.9	29.8	86.8	214.9	400.6	640.4	808.9	808.9	640.4	400.6	214.9	86.8	29.8	9.9				
-20	4.2	9.8	28.2	77.3	190.4	351.7	542.2	669.1	669.1	542.2	351.7	190.4	77.3	28.2	9.8	4.2			
-30		9.0	24.4	60.5	142.1	265.2	395.2	473.9	473.9	395.2	265.2	142.1	60.5	24.4	9.0				
-40	3.6	7.9	19.8	43.7	89.4	164.5	248.2	295.5	295.5	248.2	164.5	89.4	43.7	19.8	7.9	3.6			
-50		6.6	15.3	30.2	53.7	86.1	123.5	147.0	147.0	123.5	86.1	53.7	30.2	15.3	6.6				
-60	2.2	5.1	11.1	20.1	32.8	47.2	61.1	69.1	69.1	61.1	47.2	32.8	20.1	11.1	5.1	2.2			
-70		3.6	7.4	12.4	19.0	26.0	31.8	34.6	34.6	31.8	26.0	19.0	12.4	7.4	3.6				
-80	0.6	7.2		18.5		33.2		30.2		33.2		18.5		7.2		0.6			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

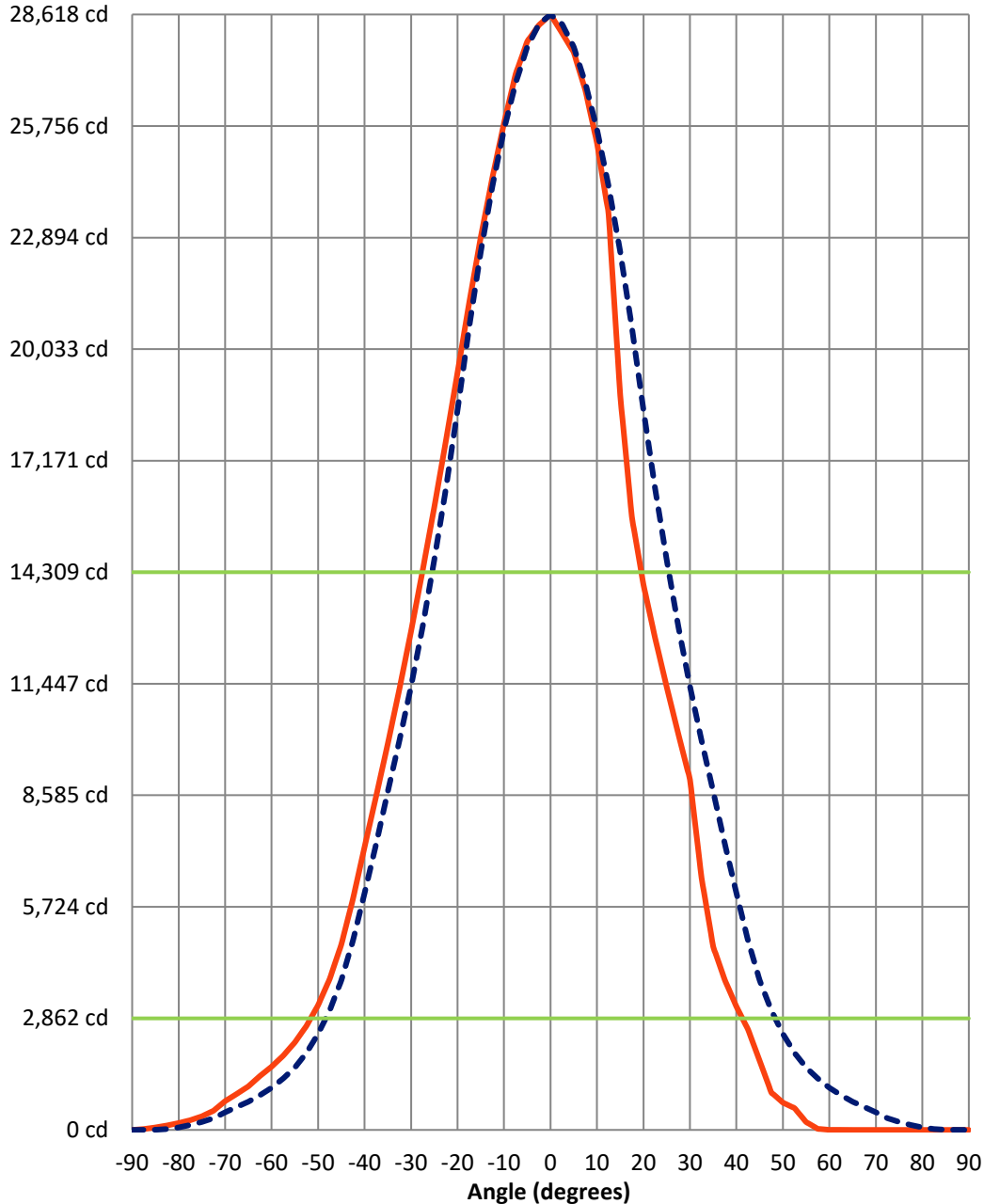
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 50.9°  
 V Angle: 47.1°  
 Lumens: 12155.3  
 Efficiency: 48.1%

**Field:**  
 H Angle: 96.7°  
 V Angle: 92.9°  
 Lumens: 22604.8  
 Efficiency: 89.5%

**Spill:**  
 Lumens: 2642.3  
 Efficiency: 10.5%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8
85°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
82.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.0	2.0
80°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.0	2.0	2.0	2.0
77.5°	0.0	0.4	0.9	1.3	1.7	2.0	2.0	2.0	2.0	2.0	2.0
75°	0.0	0.5	1.0	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	0.0	0.6	1.2	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	0.0	0.7	1.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2
67.5°	0.0	0.8	1.5	2.0	2.0	2.0	2.2	2.0	2.0	2.6	2.5
65°	0.0	0.8	1.7	2.0	2.0	2.2	2.4	2.0	2.9	3.3	3.9
62.5°	0.0	0.9	1.8	2.0	2.0	2.7	2.8	2.7	3.8	5.5	8.5
60°	0.0	1.0	2.0	2.0	2.0	3.2	3.2	3.8	4.9	13.5	14.6
57.5°	0.0	1.1	2.0	2.0	2.6	3.8	5.5	5.2	13.3	22.8	25.0
55°	0.0	1.1	2.1	2.0	3.2	4.5	8.4	7.8	24.4	34.4	38.9
52.5°	0.0	1.2	2.1	2.0	3.9	5.6	11.8	19.2	36.5	51.1	55.0
50°	0.0	1.3	2.1	2.0	4.6	9.2	15.6	31.8	51.0	69.5	84.0
47.5°	0.0	1.4	2.2	2.1	5.3	13.0	20.8	44.5	70.0	89.8	114.0
45°	0.0	1.4	2.3	2.7	6.0	17.0	31.9	57.3	89.2	116.3	143.6
42.5°	0.0	1.5	2.3	3.3	6.8	21.3	42.9	72.4	108.2	142.5	176.5
40°	0.0	1.5	2.4	4.0	8.9	25.7	53.9	88.9	128.0	168.1	210.7
37.5°	0.0	1.6	2.5	4.9	12.4	30.4	64.8	105.2	149.5	194.4	245.8
35°	0.0	1.6	2.6	5.9	16.0	37.8	75.6	121.3	171.0	225.8	283.9
32.5°	0.0	1.7	2.7	6.9	19.6	46.3	87.0	137.1	192.6	258.1	326.8
30°	0.0	1.7	2.8	8.0	23.2	54.7	99.8	153.2	214.1	291.0	370.0
27.5°	0.0	1.8	2.9	9.2	27.3	62.7	112.1	170.7	237.8	324.5	413.4
25°	0.0	1.8	3.0	10.4	31.4	70.5	124.1	187.9	265.1	360.1	456.8
22.5°	0.0	1.8	3.1	11.6	35.4	78.1	135.5	204.7	292.1	396.1	500.8
20°	0.0	1.9	3.2	12.9	39.3	85.4	146.4	220.9	318.7	431.4	542.7
17.5°	0.0	1.9	3.3	14.2	43.0	92.3	156.6	236.4	344.5	465.6	582.4
15°	0.0	1.9	3.4	15.5	46.6	98.8	165.8	250.2	369.5	498.6	619.9
12.5°	0.0	2.0	3.6	16.8	50.0	104.8	174.3	261.7	390.2	530.1	655.0
10°	0.0	2.0	3.7	18.1	53.2	110.3	182.0	272.0	406.8	548.8	682.5
7.5°	0.0	2.0	3.8	19.3	56.1	115.2	188.9	281.1	421.3	562.9	696.9
5°	0.0	2.0	3.9	20.4	58.8	119.6	194.9	288.9	433.7	574.2	708.6
2.5°	0.0	2.0	4.0	21.5	61.3	123.5	200.1	295.3	443.9	582.8	717.5
0°	0.0	2.0	4.1	22.5	63.4	126.7	204.4	300.5	451.8	588.7	723.6
-2.5°	0.0	2.1	4.7	23.9	66.3	130.7	210.0	309.2	460.6	597.2	733.2
-5°	0.0	2.3	5.3	25.2	68.8	134.1	214.6	316.4	467.1	603.3	740.0
-7.5°	0.0	2.4	5.9	26.4	71.0	136.8	218.2	322.1	471.1	607.1	744.0
-10°	0.0	2.5	6.5	27.5	72.8	138.8	220.8	326.1	472.9	608.6	745.2
-12.5°	0.0	2.6	7.0	28.3	74.1	140.2	222.4	328.4	472.3	607.7	741.8
-15°	0.0	2.7	7.5	29.1	75.0	140.8	222.9	328.9	468.9	602.4	734.6
-17.5°	0.0	2.8	8.0	29.6	75.4	140.8	222.2	328.3	462.8	595.2	724.6
-20°	0.0	2.9	8.4	30.0	75.3	140.0	221.6	326.7	455.3	586.2	711.9

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA5E-722-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.9	8.8	30.2	74.7	138.4	221.7	323.8	446.3	575.6	696.5
-25°	0.0	3.0	9.1	30.2	73.6	137.9	220.7	319.5	436.1	563.3	678.3
-27.5°	0.0	3.0	9.4	29.9	71.9	137.3	218.6	313.8	424.7	549.1	661.6
-30°	0.0	3.1	9.6	29.5	69.8	135.8	215.4	306.8	414.7	533.2	643.6
-32.5°	0.0	3.1	9.8	28.9	68.9	133.5	211.0	301.1	404.8	516.6	624.3
-35°	0.0	3.1	9.9	28.0	67.5	130.3	206.9	294.8	393.6	499.4	603.8
-37.5°	0.0	3.1	9.9	27.0	65.5	126.8	202.2	287.2	381.1	481.7	579.7
-40°	0.0	3.1	9.9	25.7	62.9	123.7	196.4	278.3	367.3	465.2	554.0
-42.5°	0.0	3.0	9.8	24.5	61.0	119.8	189.4	268.2	354.5	443.8	526.6
-45°	0.0	3.0	9.6	23.6	59.8	115.2	181.3	257.6	341.4	420.8	498.1
-47.5°	0.0	2.9	9.4	22.3	58.0	109.7	172.2	246.8	326.8	397.1	471.7
-50°	0.0	2.8	9.1	21.9	55.5	103.5	164.2	234.6	307.6	375.5	444.6
-52.5°	0.0	2.7	8.8	21.6	52.5	96.6	155.5	221.1	288.4	352.9	416.9
-55°	0.0	2.6	8.4	21.0	48.9	90.9	145.9	206.7	268.7	329.4	390.9
-57.5°	0.0	2.5	7.9	20.2	44.7	84.7	135.4	193.9	248.0	305.6	364.0
-60°	0.0	2.3	7.4	19.1	40.0	77.7	124.2	178.4	226.7	281.1	336.2
-62.5°	0.0	2.2	6.9	17.7	37.3	69.9	113.3	161.3	205.7	255.5	307.5
-65°	0.0	2.0	6.4	16.2	34.1	61.3	101.4	143.3	183.3	228.6	277.8
-67.5°	0.0	1.9	5.9	14.4	30.5	53.7	88.4	125.2	159.7	200.1	244.8
-70°	0.0	1.7	5.3	12.4	26.5	47.1	74.6	106.5	137.4	170.2	209.4
-72.5°	0.0	1.5	4.8	10.9	22.2	40.0	63.4	87.2	114.4	143.2	173.6
-75°	0.0	1.3	4.1	9.6	17.7	32.4	52.0	71.1	90.7	115.5	141.7
-77.5°	0.0	1.1	3.5	8.1	14.6	24.4	40.1	55.9	72.0	89.1	109.0
-80°	0.0	0.9	2.8	6.5	11.8	18.7	27.7	40.4	53.6	67.5	82.1
-82.5°	0.0	0.7	2.1	5.0	9.0	14.1	20.4	27.0	34.8	45.6	56.8
-85°	0.0	0.4	1.4	3.3	6.0	9.5	13.7	18.1	23.0	28.5	34.4
-87.5°	0.0	0.2	0.7	1.7	3.0	4.8	6.9	9.1	11.5	14.3	17.3
-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):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6
85°	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.7
67.5°	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	1.5	1.0
65°	2.0	2.0	2.8	3.0	2.1	2.0	2.0	2.0	2.1	1.8	1.8
62.5°	2.9	3.7	4.6	7.1	5.3	2.0	4.0	4.6	3.1	2.5	2.7
60°	8.9	6.1	15.7	21.8	14.2	7.5	9.2	18.5	15.3	4.2	10.8
57.5°	18.1	22.3	39.6	41.5	31.9	21.6	47.3	52.5	43.5	27.3	39.3
55°	37.6	52.9	66.8	66.1	66.4	83.5	98.2	96.4	85.0	117.2	147.6
52.5°	71.2	87.0	96.3	104.9	128.7	144.6	149.2	158.2	191.5	231.4	238.6
50°	104.5	120.8	133.0	164.1	188.5	201.1	212.7	243.2	293.6	321.0	325.4
47.5°	138.2	156.4	188.5	222.5	246.1	265.1	285.3	354.6	410.9	434.1	442.5
45°	173.4	204.8	244.9	279.8	307.2	332.9	398.6	493.3	532.9	568.5	659.4
42.5°	209.9	257.3	302.4	339.0	369.9	423.5	515.1	606.8	663.4	739.3	849.1
40°	256.4	309.5	361.9	399.1	437.6	518.9	632.2	729.3	789.2	891.1	1016.2
37.5°	303.6	365.8	422.3	461.6	515.7	625.7	758.9	875.1	949.4	1032.4	1233.4
35°	350.3	423.2	481.1	533.8	600.8	752.3	916.4	1045.8	1137.6	1279.8	1534.1
32.5°	400.1	481.6	540.9	612.6	722.6	892.1	1093.6	1237.2	1389.5	1594.0	2001.5
30°	453.2	536.3	604.5	690.6	838.2	1035.9	1269.8	1450.2	1657.1	1989.2	2428.3
27.5°	506.1	590.8	674.8	784.4	946.4	1160.1	1404.3	1688.8	1956.1	2327.4	2807.5
25°	557.0	646.4	743.7	876.2	1051.4	1275.0	1541.6	1869.9	2218.7	2643.4	3207.2
22.5°	605.5	702.8	816.8	959.1	1140.0	1384.2	1702.1	2087.7	2506.9	2946.7	3594.6
20°	653.1	765.8	896.6	1055.9	1221.5	1484.8	1859.1	2326.0	2851.3	3454.0	4088.8
17.5°	700.1	828.1	979.0	1156.0	1356.7	1626.2	2020.0	2575.9	3215.2	3999.6	4781.3
15°	746.1	889.0	1058.7	1255.0	1493.1	1815.2	2262.5	2873.4	3645.9	4585.3	5511.2
12.5°	790.8	948.2	1135.2	1351.7	1625.4	1993.2	2491.0	3150.2	4035.3	5157.5	6295.0
10°	833.6	1005.0	1207.8	1444.9	1752.1	2158.8	2693.0	3389.5	4329.0	5485.5	6750.6
7.5°	855.4	1043.4	1269.8	1533.7	1871.7	2310.7	2868.8	3591.8	4558.5	5749.4	7017.8
5°	871.0	1061.0	1293.1	1569.1	1937.4	2414.1	3003.4	3757.2	4727.6	5947.8	7198.8
2.5°	882.9	1073.6	1310.0	1589.1	1963.3	2448.5	3047.8	3814.9	4818.3	6051.4	7304.2
0°	891.2	1081.3	1320.5	1600.6	1976.7	2465.2	3068.3	3838.9	4856.9	6075.2	7342.5
-2.5°	900.0	1091.9	1331.5	1618.4	1995.5	2487.9	3090.9	3855.9	4885.8	6081.8	7363.2
-5°	905.0	1097.5	1335.8	1626.9	2001.5	2492.2	3089.2	3839.7	4862.8	6034.0	7318.2
-7.5°	906.4	1098.2	1333.5	1625.2	1993.8	2472.9	3056.6	3791.8	4783.5	5937.4	7207.7
-10°	904.2	1093.4	1324.6	1610.5	1971.3	2432.7	2998.2	3708.7	4653.2	5778.0	7021.0
-12.5°	897.5	1083.1	1308.9	1586.4	1935.2	2375.6	2915.9	3590.4	4472.2	5556.3	6757.7
-15°	886.9	1067.9	1286.1	1553.1	1885.3	2302.2	2810.2	3436.7	4239.2	5274.5	6430.0
-17.5°	872.3	1047.7	1256.3	1510.6	1821.6	2212.9	2682.4	3256.8	3988.0	4959.9	6065.5
-20°	853.7	1022.5	1219.4	1459.0	1748.1	2118.9	2563.8	3097.5	3752.8	4599.8	5635.6



REPORT NUMBER: P627732 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	831.1	992.5	1180.4	1409.6	1683.0	2021.4	2431.1	2916.9	3489.1	4183.5	5166.1
-25°	807.8	963.8	1142.5	1354.6	1608.6	1910.8	2279.4	2722.0	3240.1	3875.7	4688.2
-27.5°	784.9	930.7	1098.6	1291.1	1525.2	1796.7	2136.8	2540.2	3002.0	3542.5	4204.1
-30°	759.0	893.9	1050.2	1224.7	1445.2	1697.3	1991.3	2336.9	2747.6	3235.9	3811.1
-32.5°	730.8	854.2	1003.4	1167.1	1359.6	1589.1	1843.3	2156.0	2513.2	2916.1	3413.2
-35°	702.7	820.5	955.4	1105.2	1267.6	1482.5	1716.2	1975.6	2279.4	2636.2	3033.8
-37.5°	675.7	783.6	904.0	1043.6	1196.0	1374.4	1580.8	1815.1	2076.6	2360.4	2703.9
-40°	645.5	743.8	857.7	984.2	1119.0	1273.6	1459.7	1658.5	1883.7	2133.4	2398.6
-42.5°	612.8	707.3	811.2	920.1	1043.8	1182.0	1336.3	1518.1	1705.2	1914.5	2146.0
-45°	580.7	667.4	762.6	862.0	966.0	1088.1	1228.3	1379.5	1545.4	1716.2	1910.7
-47.5°	546.9	626.1	714.7	801.3	893.5	997.6	1116.6	1253.8	1392.1	1544.2	1695.0
-50°	513.1	587.4	661.8	742.7	825.3	911.9	1012.4	1130.9	1256.8	1382.9	1515.7
-52.5°	482.8	547.1	614.3	683.7	759.0	836.1	919.8	1017.4	1127.5	1238.6	1353.1
-55°	451.9	511.1	566.7	628.9	693.9	763.3	838.0	920.1	1003.2	1104.4	1202.9
-57.5°	421.6	474.2	522.5	575.5	633.4	692.3	759.6	829.4	904.8	981.3	1061.9
-60°	391.2	435.9	479.8	525.6	574.2	626.6	680.8	742.1	806.8	873.2	943.0
-62.5°	359.9	396.1	434.8	476.7	519.5	559.8	605.2	655.4	708.7	765.8	825.0
-65°	324.8	354.8	387.1	423.6	463.8	496.3	531.1	568.8	612.9	659.9	706.3
-67.5°	287.4	314.0	340.2	367.4	399.9	429.1	457.7	487.7	520.6	559.0	596.3
-70°	245.7	272.2	295.4	317.8	338.5	359.3	383.6	407.3	433.8	468.3	502.2
-72.5°	203.2	228.1	250.1	269.1	283.7	296.1	311.0	328.2	353.7	385.7	415.6
-75°	164.4	184.5	205.0	223.3	232.7	236.4	239.5	248.6	274.3	307.2	336.2
-77.5°	128.0	145.5	162.2	178.2	184.8	187.4	188.6	188.6	207.6	235.6	265.0
-80°	94.3	106.4	120.6	134.3	138.3	139.5	139.7	138.9	154.4	174.5	196.1
-82.5°	65.5	74.3	83.3	92.6	93.8	93.2	91.9	90.6	103.1	117.6	132.5
-85°	38.2	41.8	47.3	53.0	53.7	53.4	52.5	50.8	57.8	65.7	74.1
-87.5°	19.1	20.9	22.8	24.6	24.0	23.0	21.8	20.2	22.2	24.3	26.4
-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: P627732 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-722-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.0	1.6	1.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.0	1.6	1.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	2.0	1.7	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2.0	1.7	1.2	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	1.2	0.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.9	1.0	1.0	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.1	2.0	1.5	1.0	0.5	0.4	0.5	0.4	0.2	0.0	0.0
62.5°	2.6	2.5	1.8	1.7	1.8	2.0	1.6	1.4	1.3	1.4	1.6
60°	11.5	6.6	6.7	8.5	7.3	3.3	6.6	8.4	7.9	6.0	5.2
57.5°	58.7	49.1	34.3	57.5	59.2	41.3	44.8	58.5	56.7	43.8	43.6
55°	147.9	150.0	161.0	175.6	186.3	191.3	195.7	217.7	241.2	264.2	275.7
52.5°	244.2	272.8	308.3	331.8	348.2	381.9	429.0	450.6	471.7	495.6	512.9
50°	359.6	409.2	444.9	450.1	506.1	542.5	551.0	591.6	635.9	663.4	683.2
47.5°	535.0	597.8	628.9	648.7	716.9	791.6	791.8	815.1	925.8	983.7	1011.6
45°	770.6	823.0	878.0	1020.7	1152.1	1193.7	1282.9	1403.6	1482.2	1590.2	1709.0
42.5°	971.3	1069.6	1207.2	1364.5	1496.1	1605.7	1738.1	1883.3	2057.7	2221.8	2363.3
40°	1169.8	1291.5	1462.0	1633.0	1798.8	1950.6	2164.1	2350.9	2556.6	2782.2	2970.3
37.5°	1428.8	1584.6	1760.8	1976.5	2234.5	2403.0	2696.8	2965.1	3196.8	3469.3	3637.2
35°	1826.7	2029.8	2185.7	2621.8	2935.6	3132.7	3480.5	3921.4	4090.8	4433.9	4596.7
32.5°	2327.0	2596.8	3007.4	3584.8	4003.9	4366.8	4886.5	5334.0	5715.3	6059.9	6418.4
30°	2889.1	3305.5	3910.8	4678.0	5103.6	5611.9	6314.8	6845.3	7443.4	8099.9	8329.9
27.5°	3399.3	4022.9	4725.6	5347.0	5958.4	6591.5	7282.1	7963.6	8611.0	9157.3	9523.9
25°	3872.1	4627.3	5310.3	5974.3	6636.8	7349.7	8130.8	8903.8	9616.2	10178.3	10605.7
22.5°	4359.7	5157.6	5888.2	6562.0	7332.6	8140.5	8971.2	9857.8	10668.5	11251.7	11717.3
20°	4818.2	5705.6	6539.0	7306.2	8034.6	8967.2	9923.8	10864.3	11747.1	12441.8	12978.6
17.5°	5546.0	6316.3	7334.8	8331.5	9152.1	10008.9	11287.1	12257.7	13237.4	14069.4	14638.5
15°	6439.7	7286.7	8338.5	9707.3	10831.7	11813.3	13133.9	14712.9	15868.4	16930.4	17659.0
12.5°	7334.2	8292.2	9429.9	10970.3	12571.0	13727.4	15329.4	17330.3	18676.2	20320.5	21131.1
10°	8019.8	9222.8	10394.4	11800.2	13337.5	14984.1	16711.1	18583.0	20381.4	21793.3	23055.5
7.5°	8295.8	9577.3	10933.5	12367.8	13905.0	15604.4	17445.0	19392.9	21243.7	22820.8	24207.8
5°	8502.1	9815.1	11180.3	12646.9	14290.2	16064.8	17932.9	19977.9	21868.1	23558.4	24977.4
2.5°	8633.2	9958.6	11317.9	12809.0	14537.3	16364.6	18292.7	20391.9	22310.4	24050.5	25465.0
0°	8683.5	9989.7	11381.8	12916.9	14627.8	16459.4	18470.8	20594.7	22528.4	24210.8	25666.2
-2.5°	8690.3	9960.8	11385.9	12913.6	14550.6	16399.4	18435.1	20541.2	22435.7	24111.3	25579.7
-5°	8622.1	9892.1	11318.5	12823.0	14462.3	16297.1	18245.4	20280.7	22087.5	23718.2	25132.0
-7.5°	8483.9	9750.2	11145.1	12615.2	14210.3	15990.0	17861.3	19753.5	21526.0	23090.0	24439.2
-10°	8278.7	9518.4	10865.0	12297.4	13806.7	15499.5	17283.8	19091.7	20753.9	22200.2	23447.9
-12.5°	8000.8	9211.9	10497.9	11865.3	13270.2	14884.2	16568.9	18266.6	19781.7	21102.2	22221.6
-15°	7639.9	8822.8	10068.0	11361.2	12723.6	14183.1	15695.1	17252.3	18649.6	19820.6	20843.3
-17.5°	7214.8	8362.0	9544.6	10743.4	12036.2	13405.4	14809.0	16206.9	17398.6	18438.9	19374.0
-20°	6740.9	7846.2	8969.5	10087.1	11260.0	12526.4	13822.7	15050.6	16092.0	17037.2	17892.9

Classified

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

Scaled Data Report



REPORT NUMBER: P627732 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6209.5	7267.6	8344.2	9390.0	10447.7	11594.4	12752.0	13862.5	14836.7	15645.2	16388.8
-25°	5640.7	6618.3	7635.0	8615.6	9589.0	10616.6	11668.2	12689.8	13547.2	14249.2	14863.7
-27.5°	5067.6	5960.9	6856.6	7779.8	8679.6	9627.8	10579.8	11462.2	12232.0	12878.4	13394.7
-30°	4465.1	5263.7	6081.7	6917.0	7776.2	8643.9	9504.1	10276.8	10948.7	11517.2	11963.4
-32.5°	3964.4	4571.1	5293.3	6051.6	6857.0	7647.6	8395.8	9100.1	9733.3	10229.6	10608.1
-35°	3484.5	3998.3	4539.2	5210.3	5902.3	6629.8	7318.2	7946.7	8511.0	8944.8	9300.8
-37.5°	3072.0	3478.3	3935.7	4414.9	4995.0	5596.5	6217.7	6808.8	7312.1	7690.5	8008.4
-40°	2714.9	3035.7	3401.2	3781.0	4207.8	4639.9	5180.9	5679.8	6090.5	6444.2	6732.3
-42.5°	2392.1	2662.8	2932.7	3244.3	3566.3	3913.7	4293.3	4662.3	4977.5	5273.5	5518.2
-45°	2113.4	2329.7	2544.8	2785.5	3021.9	3304.4	3575.6	3817.6	4072.9	4294.6	4469.0
-47.5°	1869.8	2038.4	2222.8	2402.9	2592.8	2805.5	3007.3	3191.4	3378.5	3540.7	3670.7
-50°	1653.2	1793.0	1943.5	2085.0	2238.6	2394.2	2543.5	2689.9	2832.0	2955.4	3051.3
-52.5°	1463.6	1585.7	1703.0	1815.8	1937.9	2053.0	2161.1	2282.0	2393.1	2490.3	2556.0
-55°	1302.2	1402.0	1498.1	1592.2	1684.5	1771.8	1857.9	1951.8	2037.6	2114.8	2163.7
-57.5°	1150.7	1235.5	1316.9	1393.8	1467.1	1536.5	1609.0	1681.2	1747.3	1805.5	1843.3
-60°	1012.8	1082.2	1152.6	1215.3	1274.3	1329.8	1390.9	1448.6	1502.0	1546.8	1573.0
-62.5°	886.5	948.7	1000.7	1050.3	1100.5	1150.5	1193.9	1236.5	1277.7	1312.4	1335.2
-65°	754.4	807.1	851.4	891.2	927.2	965.9	1002.9	1036.3	1066.1	1088.7	1103.1
-67.5°	636.2	675.0	710.5	742.1	774.3	805.3	833.7	859.1	881.4	897.2	907.6
-70°	533.5	563.2	592.2	621.0	649.6	673.8	694.4	713.4	730.6	737.8	740.9
-72.5°	443.4	469.6	495.1	520.6	544.4	563.2	578.5	592.4	604.9	594.1	575.2
-75°	361.6	384.8	408.5	430.9	452.0	466.4	477.7	488.0	497.5	474.1	442.0
-77.5°	294.7	315.0	332.6	350.1	367.4	376.6	383.8	390.8	397.5	371.4	338.5
-80°	218.6	235.0	250.0	264.7	279.1	284.6	287.8	289.9	291.1	268.8	243.0
-82.5°	147.7	156.2	164.4	173.0	181.8	186.4	189.8	192.5	194.4	178.5	160.7
-85°	82.8	85.4	87.4	89.1	90.5	93.4	96.1	98.7	101.0	93.5	85.2
-87.5°	28.5	28.5	28.4	28.1	27.8	27.9	27.9	27.8	27.6	26.4	25.2
-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: P627732 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-722-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
62.5°	1.8	1.9	2.0	2.0	2.0	1.9	1.8	1.6	1.4	1.3	1.4
60°	4.0	2.5	2.0	2.0	2.0	2.5	4.0	5.2	6.0	7.9	8.4
57.5°	40.7	35.5	31.9	28.6	31.9	35.5	40.7	43.6	43.8	56.7	58.5
55°	270.7	252.1	229.2	202.4	229.2	252.1	270.7	275.7	264.2	241.2	217.7
52.5°	531.1	548.8	558.9	558.0	558.9	548.8	531.1	512.9	495.6	471.7	450.6
50°	699.0	708.7	709.1	701.1	709.1	708.7	699.0	683.2	663.4	635.9	591.6
47.5°	1024.2	1010.8	987.7	962.8	987.7	1010.8	1024.2	1011.6	983.7	925.8	815.1
45°	1787.1	1830.2	1827.4	1772.3	1827.4	1830.2	1787.1	1709.0	1590.2	1482.2	1403.6
42.5°	2442.3	2506.7	2552.4	2575.6	2552.4	2506.7	2442.3	2363.3	2221.8	2057.7	1883.3
40°	3076.2	3138.5	3165.9	3164.3	3165.9	3138.5	3076.2	2970.3	2782.2	2556.6	2350.9
37.5°	3746.0	3826.6	3865.7	3847.1	3865.7	3826.6	3746.0	3637.2	3469.3	3196.8	2965.1
35°	4667.1	4742.5	4743.9	4705.6	4743.9	4742.5	4667.1	4596.7	4433.9	4090.8	3921.4
32.5°	6703.0	6728.3	6534.4	6465.6	6534.4	6728.3	6703.0	6418.4	6059.9	5715.3	5334.0
30°	8558.7	8737.6	8904.1	8988.1	8904.1	8737.6	8558.7	8329.9	8099.9	7443.4	6845.3
27.5°	9800.2	10015.4	10148.8	10157.3	10148.8	10015.4	9800.2	9523.9	9157.3	8611.0	7963.6
25°	10929.5	11170.1	11315.5	11365.4	11315.5	11170.1	10929.5	10605.7	10178.3	9616.2	8903.8
22.5°	12112.4	12396.1	12584.1	12622.5	12584.1	12396.1	12112.4	11717.3	11251.7	10668.5	9857.8
20°	13485.0	13815.2	13995.4	13988.0	13995.4	13815.2	13485.0	12978.6	12441.8	11747.1	10864.3
17.5°	15292.1	15646.2	15801.8	15733.7	15801.8	15646.2	15292.1	14638.5	14069.4	13237.4	12257.7
15°	18406.9	19147.6	19144.6	18849.0	19144.6	19147.6	18406.9	17659.0	16930.4	15868.4	14712.9
12.5°	22249.0	22801.1	23367.4	23489.2	23367.4	22801.1	22249.0	21131.1	20320.5	18676.2	17330.3
10°	24118.5	24851.7	25335.5	25322.8	25335.5	24851.7	24118.5	23055.5	21793.3	20381.4	18583.0
7.5°	25288.2	26098.2	26684.5	26671.9	26684.5	26098.2	25288.2	24207.8	22820.8	21243.7	19392.9
5°	26190.8	27089.1	27608.5	27647.0	27608.5	27089.1	26190.8	24977.4	23558.4	21868.1	19977.9
2.5°	26659.8	27597.4	28221.8	28139.6	28221.8	27597.4	26659.8	25465.0	24050.5	22310.4	20391.9
0°	26855.9	27783.9	28366.5	28617.9	28366.5	27783.9	26855.9	25666.2	24210.8	22528.4	20594.7
-2.5°	26770.3	27673.3	28317.1	28342.0	28317.1	27673.3	26770.3	25579.7	24111.3	22435.7	20541.2
-5°	26311.5	27264.5	27695.8	27925.0	27695.8	27264.5	26311.5	25132.0	23718.2	22087.5	20280.7
-7.5°	25571.8	26286.0	26833.9	27086.9	26833.9	26286.0	25571.8	24439.2	23090.0	21526.0	19753.5
-10°	24420.6	25159.9	25623.0	25831.8	25623.0	25159.9	24420.6	23447.9	22200.2	20753.9	19091.7
-12.5°	23145.3	23817.2	24257.3	24433.6	24257.3	23817.2	23145.3	22221.6	21102.2	19781.7	18266.6
-15°	21722.4	22332.4	22737.6	22906.6	22737.6	22332.4	21722.4	20843.3	19820.6	18649.6	17252.3
-17.5°	20156.0	20690.7	21094.3	21216.1	21094.3	20690.7	20156.0	19374.0	18438.9	17398.6	16206.9
-20°	18545.4	19028.7	19361.2	19433.6	19361.2	19028.7	18545.4	17892.9	17037.2	16092.0	15050.6



REPORT NUMBER: P627732 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	16922.6	17320.7	17590.8	17681.8	17590.8	17320.7	16922.6	16388.8	15645.2	14836.7	13862.5
-25°	15336.7	15680.2	15897.6	15979.0	15897.6	15680.2	15336.7	14863.7	14249.2	13547.2	12689.8
-27.5°	13811.4	14131.6	14331.3	14358.0	14331.3	14131.6	13811.4	13394.7	12878.4	12232.0	11462.2
-30°	12310.5	12575.1	12729.0	12794.3	12729.0	12575.1	12310.5	11963.4	11517.2	10948.7	10276.8
-32.5°	10907.9	11139.0	11277.3	11314.3	11277.3	11139.0	10907.9	10608.1	10229.6	9733.3	9100.1
-35°	9583.8	9797.3	9919.9	9910.0	9919.9	9797.3	9583.8	9300.8	8944.8	8511.0	7946.7
-37.5°	8271.3	8468.2	8579.4	8569.0	8579.4	8468.2	8271.3	8008.4	7690.5	7312.1	6808.8
-40°	6969.2	7139.1	7237.0	7260.8	7237.0	7139.1	6969.2	6732.3	6444.2	6090.5	5679.8
-42.5°	5721.6	5878.4	5956.9	5926.0	5956.9	5878.4	5721.6	5518.2	5273.5	4977.5	4662.3
-45°	4591.0	4672.1	4725.5	4758.8	4725.5	4672.1	4591.0	4469.0	4294.6	4072.9	3817.6
-47.5°	3765.8	3833.0	3869.4	3875.7	3869.4	3833.0	3765.8	3670.7	3540.7	3378.5	3191.4
-50°	3125.9	3183.1	3208.3	3201.1	3208.3	3183.1	3125.9	3051.3	2955.4	2832.0	2689.9
-52.5°	2603.2	2636.4	2658.7	2669.6	2658.7	2636.4	2603.2	2556.0	2490.3	2393.1	2282.0
-55°	2200.5	2226.3	2241.4	2246.5	2241.4	2226.3	2200.5	2163.7	2114.8	2037.6	1951.8
-57.5°	1874.8	1899.4	1908.3	1905.1	1908.3	1899.4	1874.8	1843.3	1805.5	1747.3	1681.2
-60°	1593.1	1607.2	1617.7	1623.0	1617.7	1607.2	1593.1	1573.0	1546.8	1502.0	1448.6
-62.5°	1353.3	1366.5	1377.5	1383.9	1377.5	1366.5	1353.3	1335.2	1312.4	1277.7	1236.5
-65°	1113.2	1119.0	1120.6	1118.1	1120.6	1119.0	1113.2	1103.1	1088.7	1066.1	1036.3
-67.5°	915.3	920.2	923.5	924.0	923.5	920.2	915.3	907.6	897.2	881.4	859.1
-70°	744.0	746.1	743.7	737.9	743.7	746.1	744.0	740.9	737.8	730.6	713.4
-72.5°	555.8	535.5	515.1	492.6	515.1	535.5	555.8	575.2	594.1	604.9	592.4
-75°	408.6	374.2	361.6	349.5	361.6	374.2	408.6	442.0	474.1	497.5	488.0
-77.5°	303.9	268.1	258.5	249.4	258.5	268.1	303.9	338.5	371.4	397.5	390.8
-80°	216.0	188.0	181.8	175.8	181.8	188.0	216.0	243.0	268.8	291.1	289.9
-82.5°	141.9	122.3	118.4	114.5	118.4	122.3	141.9	160.7	178.5	194.4	192.5
-85°	76.4	67.2	65.4	63.4	65.4	67.2	76.4	85.2	93.5	101.0	98.7
-87.5°	23.8	22.4	22.5	22.5	22.5	22.4	23.8	25.2	26.4	27.6	27.8
-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: P627732 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.4	0.9	1.3	1.6	1.6	1.5	1.5	1.4
85°	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.0	2.0	2.0	2.0
82.5°	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.0	2.0	2.0	2.0
80°	0.0	0.0	0.1	0.6	1.1	1.6	2.0	2.0	2.0	2.0	2.0
77.5°	0.0	0.0	0.1	0.6	1.1	1.6	2.0	2.0	2.0	2.0	2.0
75°	0.0	0.0	0.2	0.7	1.2	1.7	2.0	2.0	2.0	2.0	2.0
72.5°	0.0	0.0	0.1	0.6	1.2	1.7	2.0	2.0	2.0	2.0	2.0
70°	0.0	0.0	0.1	0.1	0.1	0.5	1.2	1.7	2.0	2.0	2.0
67.5°	0.0	0.0	0.4	0.8	1.0	1.0	0.9	1.0	1.5	2.0	2.0
65°	0.5	0.4	0.5	1.0	1.5	2.0	2.1	1.8	1.8	2.1	2.0
62.5°	1.6	2.0	1.8	1.7	1.8	2.5	2.6	2.7	2.5	3.1	4.6
60°	6.6	3.3	7.3	8.5	6.7	6.6	11.5	10.8	4.2	15.3	18.5
57.5°	44.8	41.3	59.2	57.5	34.3	49.1	58.7	39.3	27.3	43.5	52.5
55°	195.7	191.3	186.3	175.6	161.0	150.0	147.9	147.6	117.2	85.0	96.4
52.5°	429.0	381.9	348.2	331.8	308.3	272.8	244.2	238.6	231.4	191.5	158.2
50°	551.0	542.5	506.1	450.1	444.9	409.2	359.6	325.4	321.0	293.6	243.2
47.5°	791.8	791.6	716.9	648.7	628.9	597.8	535.0	442.5	434.1	410.9	354.6
45°	1282.9	1193.7	1152.1	1020.7	878.0	823.0	770.6	659.4	568.5	532.9	493.3
42.5°	1738.1	1605.7	1496.1	1364.5	1207.2	1069.6	971.3	849.1	739.3	663.4	606.8
40°	2164.1	1950.6	1798.8	1633.0	1462.0	1291.5	1169.8	1016.2	891.1	789.2	729.3
37.5°	2696.8	2403.0	2234.5	1976.5	1760.8	1584.6	1428.8	1233.4	1032.4	949.4	875.1
35°	3480.5	3132.7	2935.6	2621.8	2185.7	2029.8	1826.7	1534.1	1279.8	1137.6	1045.8
32.5°	4886.5	4366.8	4003.9	3584.8	3007.4	2596.8	2327.0	2001.5	1594.0	1389.5	1237.2
30°	6314.8	5611.9	5103.6	4678.0	3910.8	3305.5	2889.1	2428.3	1989.2	1657.1	1450.2
27.5°	7282.1	6591.5	5958.4	5347.0	4725.6	4022.9	3399.3	2807.5	2327.4	1956.1	1688.8
25°	8130.8	7349.7	6636.8	5974.3	5310.3	4627.3	3872.1	3207.2	2643.4	2218.7	1869.9
22.5°	8971.2	8140.5	7332.6	6562.0	5888.2	5157.6	4359.7	3594.6	2946.7	2506.9	2087.7
20°	9923.8	8967.2	8034.6	7306.2	6539.0	5705.6	4818.2	4088.8	3454.0	2851.3	2326.0
17.5°	11287.1	10008.9	9152.1	8331.5	7334.8	6316.3	5546.0	4781.3	3999.6	3215.2	2575.9
15°	13133.9	11813.3	10831.7	9707.3	8338.5	7286.7	6439.7	5511.2	4585.3	3645.9	2873.4
12.5°	15329.4	13727.4	12571.0	10970.3	9429.9	8292.2	7334.2	6295.0	5157.5	4035.3	3150.2
10°	16711.1	14984.1	13337.5	11800.2	10394.4	9222.8	8019.8	6750.6	5485.5	4329.0	3389.5
7.5°	17445.0	15604.4	13905.0	12367.8	10933.5	9577.3	8295.8	7017.8	5749.4	4558.5	3591.8
5°	17932.9	16064.8	14290.2	12646.9	11180.3	9815.1	8502.1	7198.8	5947.8	4727.6	3757.2
2.5°	18292.7	16364.6	14537.3	12809.0	11317.9	9958.6	8633.2	7304.2	6051.4	4818.3	3814.9
0°	18470.8	16459.4	14627.8	12916.9	11381.8	9989.7	8683.5	7342.5	6075.2	4856.9	3838.9
-2.5°	18435.1	16399.4	14550.6	12913.6	11385.9	9960.8	8690.3	7363.2	6081.8	4885.8	3855.9
-5°	18245.4	16297.1	14462.3	12823.0	11318.5	9892.1	8622.1	7318.2	6034.0	4862.8	3839.7
-7.5°	17861.3	15990.0	14210.3	12615.2	11145.1	9750.2	8483.9	7207.7	5937.4	4783.5	3791.8
-10°	17283.8	15499.5	13806.7	12297.4	10865.0	9518.4	8278.7	7021.0	5778.0	4653.2	3708.7
-12.5°	16568.9	14884.2	13270.2	11865.3	10497.9	9211.9	8000.8	6757.7	5556.3	4472.2	3590.4
-15°	15695.1	14183.1	12723.6	11361.2	10068.0	8822.8	7639.9	6430.0	5274.5	4239.2	3436.7
-17.5°	14809.0	13405.4	12036.2	10743.4	9544.6	8362.0	7214.8	6065.5	4959.9	3988.0	3256.8
-20°	13822.7	12526.4	11260.0	10087.1	8969.5	7846.2	6740.9	5635.6	4599.8	3752.8	3097.5



REPORT NUMBER: P627732 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-722-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12752.0	11594.4	10447.7	9390.0	8344.2	7267.6	6209.5	5166.1	4183.5	3489.1	2916.9
-25°	11668.2	10616.6	9589.0	8615.6	7635.0	6618.3	5640.7	4688.2	3875.7	3240.1	2722.0
-27.5°	10579.8	9627.8	8679.6	7779.8	6856.6	5960.9	5067.6	4204.1	3542.5	3002.0	2540.2
-30°	9504.1	8643.9	7776.2	6917.0	6081.7	5263.7	4465.1	3811.1	3235.9	2747.6	2336.9
-32.5°	8395.8	7647.6	6857.0	6051.6	5293.3	4571.1	3964.4	3413.2	2916.1	2513.2	2156.0
-35°	7318.2	6629.8	5902.3	5210.3	4539.2	3998.3	3484.5	3033.8	2636.2	2279.4	1975.6
-37.5°	6217.7	5596.5	4995.0	4414.9	3935.7	3478.3	3072.0	2703.9	2360.4	2076.6	1815.1
-40°	5180.9	4639.9	4207.8	3781.0	3401.2	3035.7	2714.9	2398.6	2133.4	1883.7	1658.5
-42.5°	4293.3	3913.7	3566.3	3244.3	2932.7	2662.8	2392.1	2146.0	1914.5	1705.2	1518.1
-45°	3575.6	3304.4	3021.9	2785.5	2544.8	2329.7	2113.4	1910.7	1716.2	1545.4	1379.5
-47.5°	3007.3	2805.5	2592.8	2402.9	2222.8	2038.4	1869.8	1695.0	1544.2	1392.1	1253.8
-50°	2543.5	2394.2	2238.6	2085.0	1943.5	1793.0	1653.2	1515.7	1382.9	1256.8	1130.9
-52.5°	2161.1	2053.0	1937.9	1815.8	1703.0	1585.7	1463.6	1353.1	1238.6	1127.5	1017.4
-55°	1857.9	1771.8	1684.5	1592.2	1498.1	1402.0	1302.2	1202.9	1104.4	1003.2	920.1
-57.5°	1609.0	1536.5	1467.1	1393.8	1316.9	1235.5	1150.7	1061.9	981.3	904.8	829.4
-60°	1390.9	1329.8	1274.3	1215.3	1152.6	1082.2	1012.8	943.0	873.2	806.8	742.1
-62.5°	1193.9	1150.5	1100.5	1050.3	1000.7	948.7	886.5	825.0	765.8	708.7	655.4
-65°	1002.9	965.9	927.2	891.2	851.4	807.1	754.4	706.3	659.9	612.9	568.8
-67.5°	833.7	805.3	774.3	742.1	710.5	675.0	636.2	596.3	559.0	520.6	487.7
-70°	694.4	673.8	649.6	621.0	592.2	563.2	533.5	502.2	468.3	433.8	407.3
-72.5°	578.5	563.2	544.4	520.6	495.1	469.6	443.4	415.6	385.7	353.7	328.2
-75°	477.7	466.4	452.0	430.9	408.5	384.8	361.6	336.2	307.2	274.3	248.6
-77.5°	383.8	376.6	367.4	350.1	332.6	315.0	294.7	265.0	235.6	207.6	188.6
-80°	287.8	284.6	279.1	264.7	250.0	235.0	218.6	196.1	174.5	154.4	138.9
-82.5°	189.8	186.4	181.8	173.0	164.4	156.2	147.7	132.5	117.6	103.1	90.6
-85°	96.1	93.4	90.5	89.1	87.4	85.4	82.8	74.1	65.7	57.8	50.8
-87.5°	27.9	27.9	27.8	28.1	28.4	28.5	28.5	26.4	24.3	22.2	20.2
-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: P627732 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-722-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.8	0.7	0.6
85°	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.7	1.5	1.4	1.2
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.0	2.0	2.0
67.5°	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.5	2.6	2.0	2.0
65°	2.0	2.0	2.1	3.0	2.8	2.0	2.0	3.9	3.3	2.9	2.0
62.5°	4.0	2.0	5.3	7.1	4.6	3.7	2.9	8.5	5.5	3.8	2.7
60°	9.2	7.5	14.2	21.8	15.7	6.1	8.9	14.6	13.5	4.9	3.8
57.5°	47.3	21.6	31.9	41.5	39.6	22.3	18.1	25.0	22.8	13.3	5.2
55°	98.2	83.5	66.4	66.1	66.8	52.9	37.6	38.9	34.4	24.4	7.8
52.5°	149.2	144.6	128.7	104.9	96.3	87.0	71.2	55.0	51.1	36.5	19.2
50°	212.7	201.1	188.5	164.1	133.0	120.8	104.5	84.0	69.5	51.0	31.8
47.5°	285.3	265.1	246.1	222.5	188.5	156.4	138.2	114.0	89.8	70.0	44.5
45°	398.6	332.9	307.2	279.8	244.9	204.8	173.4	143.6	116.3	89.2	57.3
42.5°	515.1	423.5	369.9	339.0	302.4	257.3	209.9	176.5	142.5	108.2	72.4
40°	632.2	518.9	437.6	399.1	361.9	309.5	256.4	210.7	168.1	128.0	88.9
37.5°	758.9	625.7	515.7	461.6	422.3	365.8	303.6	245.8	194.4	149.5	105.2
35°	916.4	752.3	600.8	533.8	481.1	423.2	350.3	283.9	225.8	171.0	121.3
32.5°	1093.6	892.1	722.6	612.6	540.9	481.6	400.1	326.8	258.1	192.6	137.1
30°	1269.8	1035.9	838.2	690.6	604.5	536.3	453.2	370.0	291.0	214.1	153.2
27.5°	1404.3	1160.1	946.4	784.4	674.8	590.8	506.1	413.4	324.5	237.8	170.7
25°	1541.6	1275.0	1051.4	876.2	743.7	646.4	557.0	456.8	360.1	265.1	187.9
22.5°	1702.1	1384.2	1140.0	959.1	816.8	702.8	605.5	500.8	396.1	292.1	204.7
20°	1859.1	1484.8	1221.5	1055.9	896.6	765.8	653.1	542.7	431.4	318.7	220.9
17.5°	2020.0	1626.2	1356.7	1156.0	979.0	828.1	700.1	582.4	465.6	344.5	236.4
15°	2262.5	1815.2	1493.1	1255.0	1058.7	889.0	746.1	619.9	498.6	369.5	250.2
12.5°	2491.0	1993.2	1625.4	1351.7	1135.2	948.2	790.8	655.0	530.1	390.2	261.7
10°	2693.0	2158.8	1752.1	1444.9	1207.8	1005.0	833.6	682.5	548.8	406.8	272.0
7.5°	2868.8	2310.7	1871.7	1533.7	1269.8	1043.4	855.4	696.9	562.9	421.3	281.1
5°	3003.4	2414.1	1937.4	1569.1	1293.1	1061.0	871.0	708.6	574.2	433.7	288.9
2.5°	3047.8	2448.5	1963.3	1589.1	1310.0	1073.6	882.9	717.5	582.8	443.9	295.3
0°	3068.3	2465.2	1976.7	1600.6	1320.5	1081.3	891.2	723.6	588.7	451.8	300.5
-2.5°	3090.9	2487.9	1995.5	1618.4	1331.5	1091.9	900.0	733.2	597.2	460.6	309.2
-5°	3089.2	2492.2	2001.5	1626.9	1335.8	1097.5	905.0	740.0	603.3	467.1	316.4
-7.5°	3056.6	2472.9	1993.8	1625.2	1333.5	1098.2	906.4	744.0	607.1	471.1	322.1
-10°	2998.2	2432.7	1971.3	1610.5	1324.6	1093.4	904.2	745.2	608.6	472.9	326.1
-12.5°	2915.9	2375.6	1935.2	1586.4	1308.9	1083.1	897.5	741.8	607.7	472.3	328.4
-15°	2810.2	2302.2	1885.3	1553.1	1286.1	1067.9	886.9	734.6	602.4	468.9	328.9
-17.5°	2682.4	2212.9	1821.6	1510.6	1256.3	1047.7	872.3	724.6	595.2	462.8	328.3
-20°	2563.8	2118.9	1748.1	1459.0	1219.4	1022.5	853.7	711.9	586.2	455.3	326.7

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REPORT NUMBER: P627732 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2431.1	2021.4	1683.0	1409.6	1180.4	992.5	831.1	696.5	575.6	446.3	323.8
-25°	2279.4	1910.8	1608.6	1354.6	1142.5	963.8	807.8	678.3	563.3	436.1	319.5
-27.5°	2136.8	1796.7	1525.2	1291.1	1098.6	930.7	784.9	661.6	549.1	424.7	313.8
-30°	1991.3	1697.3	1445.2	1224.7	1050.2	893.9	759.0	643.6	533.2	414.7	306.8
-32.5°	1843.3	1589.1	1359.6	1167.1	1003.4	854.2	730.8	624.3	516.6	404.8	301.1
-35°	1716.2	1482.5	1267.6	1105.2	955.4	820.5	702.7	603.8	499.4	393.6	294.8
-37.5°	1580.8	1374.4	1196.0	1043.6	904.0	783.6	675.7	579.7	481.7	381.1	287.2
-40°	1459.7	1273.6	1119.0	984.2	857.7	743.8	645.5	554.0	465.2	367.3	278.3
-42.5°	1336.3	1182.0	1043.8	920.1	811.2	707.3	612.8	526.6	443.8	354.5	268.2
-45°	1228.3	1088.1	966.0	862.0	762.6	667.4	580.7	498.1	420.8	341.4	257.6
-47.5°	1116.6	997.6	893.5	801.3	714.7	626.1	546.9	471.7	397.1	326.8	246.8
-50°	1012.4	911.9	825.3	742.7	661.8	587.4	513.1	444.6	375.5	307.6	234.6
-52.5°	919.8	836.1	759.0	683.7	614.3	547.1	482.8	416.9	352.9	288.4	221.1
-55°	838.0	763.3	693.9	628.9	566.7	511.1	451.9	390.9	329.4	268.7	206.7
-57.5°	759.6	692.3	633.4	575.5	522.5	474.2	421.6	364.0	305.6	248.0	193.9
-60°	680.8	626.6	574.2	525.6	479.8	435.9	391.2	336.2	281.1	226.7	178.4
-62.5°	605.2	559.8	519.5	476.7	434.8	396.1	359.9	307.5	255.5	205.7	161.3
-65°	531.1	496.3	463.8	423.6	387.1	354.8	324.8	277.8	228.6	183.3	143.3
-67.5°	457.7	429.1	399.9	367.4	340.2	314.0	287.4	244.8	200.1	159.7	125.2
-70°	383.6	359.3	338.5	317.8	295.4	272.2	245.7	209.4	170.2	137.4	106.5
-72.5°	311.0	296.1	283.7	269.1	250.1	228.1	203.2	173.6	143.2	114.4	87.2
-75°	239.5	236.4	232.7	223.3	205.0	184.5	164.4	141.7	115.5	90.7	71.1
-77.5°	188.6	187.4	184.8	178.2	162.2	145.5	128.0	109.0	89.1	72.0	55.9
-80°	139.7	139.5	138.3	134.3	120.6	106.4	94.3	82.1	67.5	53.6	40.4
-82.5°	91.9	93.2	93.8	92.6	83.3	74.3	65.5	56.8	45.6	34.8	27.0
-85°	52.5	53.4	53.7	53.0	47.3	41.8	38.2	34.4	28.5	23.0	18.1
-87.5°	21.8	23.0	24.0	24.6	22.8	20.9	19.1	17.3	14.3	11.5	9.1
-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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REPORT NUMBER: P627732 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-722-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.4	0.3	0.3	0.2	0.1	0.0
85°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
82.5°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
80°	2.0	1.7	1.4	1.0	0.7	0.3	0.0
77.5°	2.0	2.0	1.7	1.3	0.9	0.4	0.0
75°	2.0	2.0	2.0	1.5	1.0	0.5	0.0
72.5°	2.0	2.0	2.0	1.8	1.2	0.6	0.0
70°	2.0	2.0	2.0	2.0	1.4	0.7	0.0
67.5°	2.2	2.0	2.0	2.0	1.5	0.8	0.0
65°	2.4	2.2	2.0	2.0	1.7	0.8	0.0
62.5°	2.8	2.7	2.0	2.0	1.8	0.9	0.0
60°	3.2	3.2	2.0	2.0	2.0	1.0	0.0
57.5°	5.5	3.8	2.6	2.0	2.0	1.1	0.0
55°	8.4	4.5	3.2	2.0	2.1	1.1	0.0
52.5°	11.8	5.6	3.9	2.0	2.1	1.2	0.0
50°	15.6	9.2	4.6	2.0	2.1	1.3	0.0
47.5°	20.8	13.0	5.3	2.1	2.2	1.4	0.0
45°	31.9	17.0	6.0	2.7	2.3	1.4	0.0
42.5°	42.9	21.3	6.8	3.3	2.3	1.5	0.0
40°	53.9	25.7	8.9	4.0	2.4	1.5	0.0
37.5°	64.8	30.4	12.4	4.9	2.5	1.6	0.0
35°	75.6	37.8	16.0	5.9	2.6	1.6	0.0
32.5°	87.0	46.3	19.6	6.9	2.7	1.7	0.0
30°	99.8	54.7	23.2	8.0	2.8	1.7	0.0
27.5°	112.1	62.7	27.3	9.2	2.9	1.8	0.0
25°	124.1	70.5	31.4	10.4	3.0	1.8	0.0
22.5°	135.5	78.1	35.4	11.6	3.1	1.8	0.0
20°	146.4	85.4	39.3	12.9	3.2	1.9	0.0
17.5°	156.6	92.3	43.0	14.2	3.3	1.9	0.0
15°	165.8	98.8	46.6	15.5	3.4	1.9	0.0
12.5°	174.3	104.8	50.0	16.8	3.6	2.0	0.0
10°	182.0	110.3	53.2	18.1	3.7	2.0	0.0
7.5°	188.9	115.2	56.1	19.3	3.8	2.0	0.0
5°	194.9	119.6	58.8	20.4	3.9	2.0	0.0
2.5°	200.1	123.5	61.3	21.5	4.0	2.0	0.0
0°	204.4	126.7	63.4	22.5	4.1	2.0	0.0
-2.5°	210.0	130.7	66.3	23.9	4.7	2.1	0.0
-5°	214.6	134.1	68.8	25.2	5.3	2.3	0.0
-7.5°	218.2	136.8	71.0	26.4	5.9	2.4	0.0
-10°	220.8	138.8	72.8	27.5	6.5	2.5	0.0
-12.5°	222.4	140.2	74.1	28.3	7.0	2.6	0.0
-15°	222.9	140.8	75.0	29.1	7.5	2.7	0.0
-17.5°	222.2	140.8	75.4	29.6	8.0	2.8	0.0
-20°	221.6	140.0	75.3	30.0	8.4	2.9	0.0

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CATALOG NUMBER: GFLD-SA5E-722-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	221.7	138.4	74.7	30.2	8.8	2.9	0.0
-25°	220.7	137.9	73.6	30.2	9.1	3.0	0.0
-27.5°	218.6	137.3	71.9	29.9	9.4	3.0	0.0
-30°	215.4	135.8	69.8	29.5	9.6	3.1	0.0
-32.5°	211.0	133.5	68.9	28.9	9.8	3.1	0.0
-35°	206.9	130.3	67.5	28.0	9.9	3.1	0.0
-37.5°	202.2	126.8	65.5	27.0	9.9	3.1	0.0
-40°	196.4	123.7	62.9	25.7	9.9	3.1	0.0
-42.5°	189.4	119.8	61.0	24.5	9.8	3.0	0.0
-45°	181.3	115.2	59.8	23.6	9.6	3.0	0.0
-47.5°	172.2	109.7	58.0	22.3	9.4	2.9	0.0
-50°	164.2	103.5	55.5	21.9	9.1	2.8	0.0
-52.5°	155.5	96.6	52.5	21.6	8.8	2.7	0.0
-55°	145.9	90.9	48.9	21.0	8.4	2.6	0.0
-57.5°	135.4	84.7	44.7	20.2	7.9	2.5	0.0
-60°	124.2	77.7	40.0	19.1	7.4	2.3	0.0
-62.5°	113.3	69.9	37.3	17.7	6.9	2.2	0.0
-65°	101.4	61.3	34.1	16.2	6.4	2.0	0.0
-67.5°	88.4	53.7	30.5	14.4	5.9	1.9	0.0
-70°	74.6	47.1	26.5	12.4	5.3	1.7	0.0
-72.5°	63.4	40.0	22.2	10.9	4.8	1.5	0.0
-75°	52.0	32.4	17.7	9.6	4.1	1.3	0.0
-77.5°	40.1	24.4	14.6	8.1	3.5	1.1	0.0
-80°	27.7	18.7	11.8	6.5	2.8	0.9	0.0
-82.5°	20.4	14.1	9.0	5.0	2.1	0.7	0.0
-85°	13.7	9.5	6.0	3.3	1.4	0.4	0.0
-87.5°	6.9	4.8	3.0	1.7	0.7	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)