

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: P627990 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6E-730-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627990 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA6E-730-U-VWR-VSR-XX  
Description: GALLEON FLOOD, SIX LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (96) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34656 lumens  
Efficiency: N/A  
Efficacy: 92.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 6H x 6V  
Max Intensity: 25968.7 candela  
Max Intensity Angle: -2.5°H x -2.5°V

Beam Angle (50%): 63.9°H x 69.6°V  
Beam Lumens: 20050.8 lumens  
Beam Efficiency: 57.9%

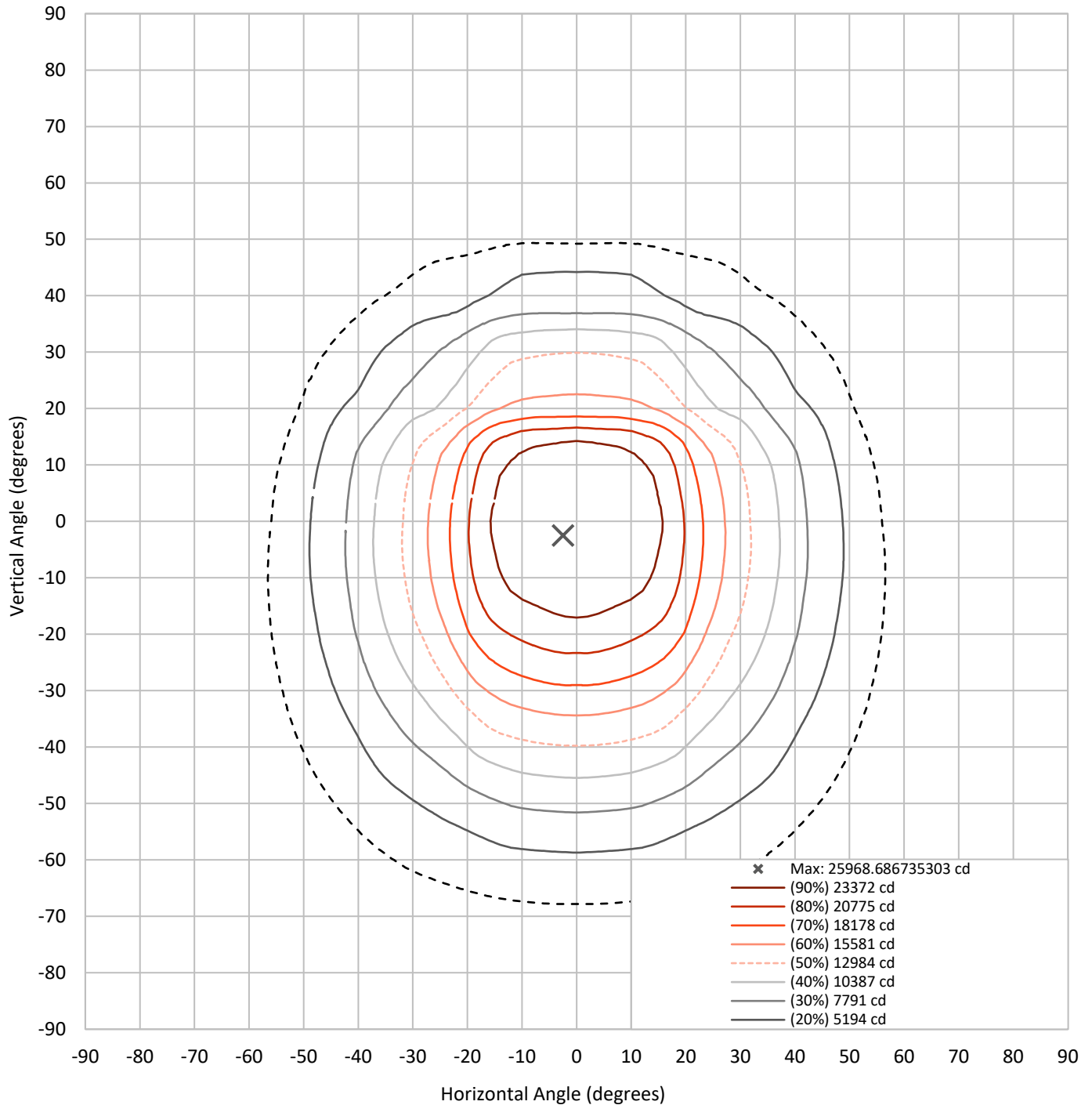
Field Angle (10%): 112.5°H x 117.1°V  
Field Lumens: 32886.3 lumens  
Field Efficiency: 94.9%

Input Watts (W): 376.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Candela Plot





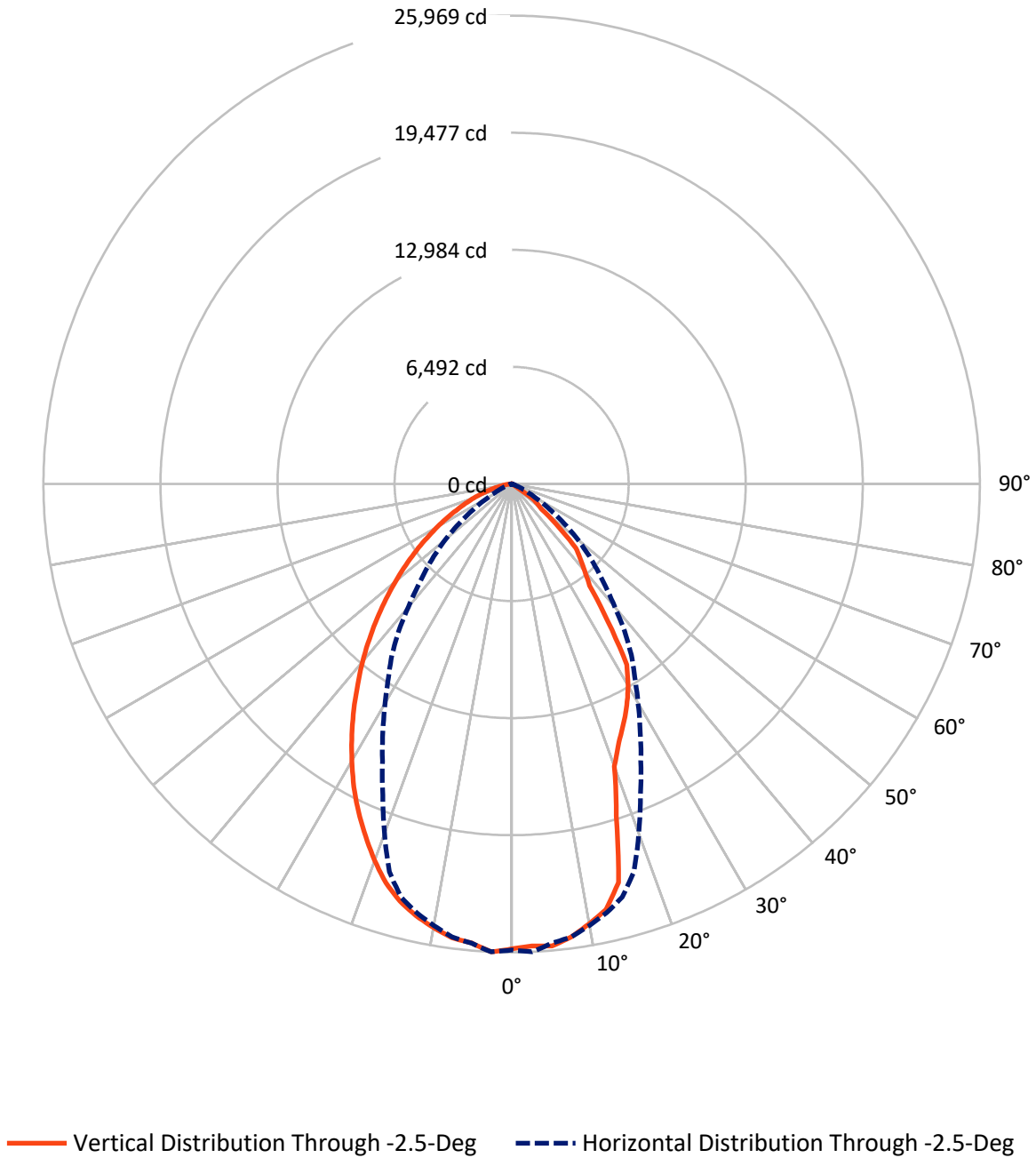
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### Lumen Table

90																			
80	0.1	0.2		0.2		0.4		0.4		0.4		0.2		0.2		0.1			
70																			
60	0.3	0.1	0.2	0.2	0.3	0.3	0.4	0.3	0.3	0.4	0.3	0.3	0.2	0.2	0.1	0.3			
50		0.3	0.7	3.2	9.4	18.2	27.0	33.7	33.7	27.0	18.2	9.4	3.2	0.7	0.3				
40	0.6	0.6	3.9	17.8	43.0	77.4	114.2	139.9	139.9	114.2	77.4	43.0	17.8	3.9	0.6	0.6			
30		1.7	12.9	45.0	100.4	162.9	244.1	285.4	285.4	244.1	162.9	100.4	45.0	12.9	1.7				
20	1.1	3.8	24.9	79.7	161.8	256.6	384.9	442.4	442.4	384.9	256.6	161.8	79.7	24.9	3.8	1.1			
10		6.6	38.3	118.0	233.1	383.7	571.2	655.1	655.1	571.2	383.7	233.1	118.0	38.3	6.6				
0	1.8	9.0	49.6	140.2	278.9	458.5	674.5	765.4	765.4	674.5	458.5	278.9	140.2	49.6	9.0	1.8			
-10		10.6	54.8	145.6	286.3	469.0	679.5	768.3	768.3	679.5	469.0	286.3	145.6	54.8	10.6				
-20	2.2	11.1	53.5	137.8	270.0	439.1	630.6	712.6	712.6	630.6	439.1	270.0	137.8	53.5	11.1	2.2			
-30		10.1	46.9	120.2	233.2	373.3	528.7	598.8	598.8	528.7	373.3	233.2	120.2	46.9	10.1				
-40	2.2	8.5	37.3	94.5	183.5	288.0	403.8	457.1	457.1	403.8	288.0	183.5	94.5	37.3	8.5	2.2			
-50		6.8	27.6	67.4	131.4	202.5	279.5	317.2	317.2	279.5	202.5	131.4	67.4	27.6	6.8				
-60	1.7	5.1	18.1	43.3	81.7	125.7	170.8	194.8	194.8	170.8	125.7	81.7	43.3	18.1	5.1	1.7			
-70		3.6	10.9	25.3	44.9	66.7	88.3	100.0	100.0	88.3	66.7	44.9	25.3	10.9	3.6				
-80	0.6	8.1		37.4		81.5		91.0		81.5		37.4		8.1		0.6			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

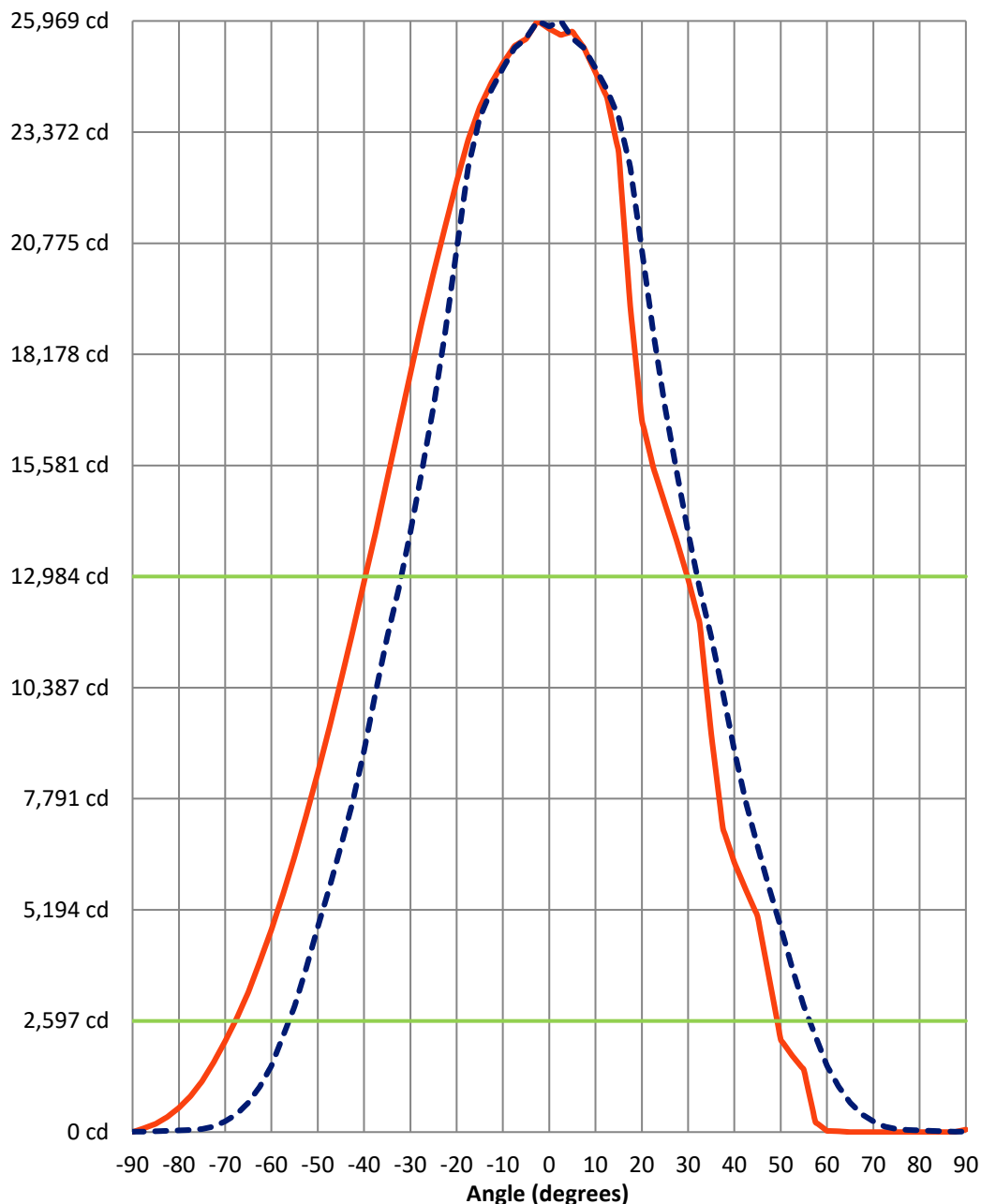
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 20050.8  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 32886.3  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 1769.7  
 Efficiency: 5.1%

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

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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	9.7	9.7	9.7	12.1	14.6	17.0	19.4	21.8	24.3	26.7	29.1
87.5°	9.7	9.7	9.7	9.4	8.9	8.1	7.2	5.1	3.2	1.5	0.0
85°	9.7	9.7	9.7	9.1	8.0	6.6	4.7	2.9	1.6	0.6	0.0
82.5°	9.7	9.7	9.7	8.8	7.2	5.1	2.3	0.7	0.2	1.4	2.6
80°	9.7	9.7	9.7	8.5	6.4	3.6	0.5	1.9	3.5	5.1	6.6
77.5°	9.7	9.7	9.7	8.2	5.7	3.2	3.0	4.8	6.8	8.7	8.8
75°	9.7	9.7	9.7	8.0	5.3	4.8	5.4	7.6	9.6	7.9	5.1
72.5°	9.7	9.7	9.7	7.8	6.2	6.3	7.8	9.6	8.2	5.6	1.7
70°	9.7	9.7	9.7	7.8	7.0	7.7	9.7	9.2	7.1	3.7	4.4
67.5°	9.7	9.7	9.7	8.1	7.7	9.1	10.0	8.9	6.3	7.5	8.7
65°	9.7	9.7	9.7	8.4	8.4	10.1	10.4	8.9	9.7	11.3	12.0
62.5°	9.7	9.7	9.7	8.7	9.1	10.8	10.9	11.0	13.1	14.7	13.4
60°	9.7	9.7	9.7	9.0	9.7	11.6	11.5	13.9	16.4	16.9	15.2
57.5°	9.7	9.7	9.8	9.2	10.6	12.6	13.8	16.8	19.2	19.4	19.0
55°	9.7	9.7	10.0	9.4	11.6	13.6	16.3	19.6	22.1	22.5	23.6
52.5°	9.7	9.7	10.1	9.5	12.6	14.9	18.7	22.5	25.3	26.7	28.2
50°	9.7	9.7	10.3	9.6	13.7	16.8	21.1	25.2	28.8	30.8	32.7
47.5°	9.7	9.7	10.6	9.9	14.8	18.8	23.4	27.9	32.4	34.9	37.3
45°	9.7	9.7	10.9	10.8	16.0	20.7	25.7	30.6	35.8	38.9	41.8
42.5°	9.7	9.7	11.2	11.7	17.2	22.5	27.9	33.5	39.4	43.0	50.7
40°	9.7	9.7	11.5	12.9	18.5	24.3	30.0	36.8	43.2	47.0	60.5
37.5°	9.7	9.7	11.9	14.2	19.9	26.1	32.1	40.3	47.3	53.4	70.5
35°	9.7	9.7	12.3	15.4	21.3	27.7	34.2	43.8	51.5	65.6	89.7
32.5°	9.7	9.7	12.8	16.7	22.6	29.4	36.4	47.4	56.0	80.0	128.0
30°	9.7	9.7	13.2	17.9	23.8	30.9	39.3	51.1	60.6	96.3	165.2
27.5°	9.7	9.7	13.7	19.0	25.3	32.4	42.2	54.9	68.6	114.4	201.2
25°	9.7	9.7	14.2	20.2	26.9	33.9	45.1	58.7	82.7	141.0	236.5
22.5°	9.7	9.7	14.8	21.3	28.3	35.3	47.9	62.5	97.4	170.1	283.2
20°	9.7	9.7	15.3	22.3	29.7	37.1	50.7	66.3	112.8	197.8	329.5
17.5°	9.7	9.7	15.8	23.3	31.1	38.8	53.5	70.1	128.4	223.9	375.1
15°	9.7	9.7	16.4	24.3	32.4	40.5	56.1	74.9	144.1	248.3	419.4
12.5°	9.7	9.7	16.9	25.2	33.6	42.0	58.6	81.7	161.5	270.9	461.8
10°	9.7	9.7	17.5	26.1	34.8	43.5	60.9	88.7	180.0	297.3	504.4
7.5°	9.7	9.7	18.0	26.9	35.9	44.9	63.0	95.9	197.6	322.9	549.1
5°	9.7	9.7	18.5	27.7	36.9	46.2	64.9	103.0	214.0	346.7	590.3
2.5°	9.7	9.7	19.0	28.4	37.9	47.4	66.5	109.9	229.0	368.4	627.2
0°	9.7	9.7	19.4	29.1	38.8	48.5	67.9	116.3	242.3	387.8	659.2
-2.5°	9.7	9.7	19.4	29.1	38.8	48.5	67.9	116.3	242.3	387.8	659.2
-5°	9.7	9.7	19.3	29.0	40.3	50.5	75.1	139.0	259.7	445.2	711.7
-7.5°	9.7	9.7	19.2	28.8	40.9	51.3	78.1	148.5	265.7	467.1	730.2
-10°	9.7	9.7	19.1	28.7	41.4	52.0	80.6	156.3	270.2	483.0	743.8
-12.5°	9.7	9.7	18.9	28.4	41.7	52.7	82.5	162.1	273.3	491.3	754.3
-15°	9.7	9.7	18.7	28.1	41.8	53.2	83.7	165.7	279.0	490.4	758.2
-17.5°	9.7	9.7	18.5	27.7	41.8	53.6	84.1	169.2	287.3	485.4	753.5
-20°	9.7	9.7	18.2	27.3	41.5	53.9	86.2	172.7	292.8	476.5	739.6

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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	9.7	9.7	17.9	26.9	41.0	54.2	91.8	174.2	295.2	463.8	716.1
-25°	9.7	9.7	17.6	26.4	40.3	57.7	96.3	173.7	294.3	447.3	682.6
-27.5°	9.7	9.7	17.2	25.8	39.3	62.2	99.9	171.0	290.2	433.3	658.1
-30°	9.7	9.7	16.8	25.2	38.3	66.1	102.3	166.3	284.8	427.0	630.6
-32.5°	9.7	9.7	16.4	24.5	39.7	69.3	103.6	166.5	277.8	416.4	599.5
-35°	9.7	9.7	15.9	23.8	40.8	71.8	106.4	167.5	268.2	401.4	565.0
-37.5°	9.7	9.7	15.4	23.1	41.4	73.4	109.2	166.8	255.8	381.9	549.5
-40°	9.7	9.7	14.9	22.3	41.7	74.0	110.9	164.6	240.6	363.2	532.3
-42.5°	9.7	9.7	14.3	21.8	42.0	74.0	111.5	160.8	232.0	348.2	505.9
-45°	9.7	9.7	13.7	21.9	42.2	73.5	111.0	157.4	225.8	329.6	472.8
-47.5°	9.7	9.7	13.1	21.8	42.0	72.4	109.3	155.1	217.7	307.3	446.6
-50°	9.7	9.7	12.5	21.5	41.2	70.7	107.0	151.3	211.3	299.4	415.4
-52.5°	9.7	9.7	11.8	21.1	39.9	68.5	104.0	146.0	205.8	288.8	382.0
-55°	9.7	9.7	11.1	20.5	38.2	65.7	100.3	139.3	199.1	275.7	366.1
-57.5°	9.7	9.7	10.4	19.8	36.1	62.1	95.8	133.5	189.7	262.0	347.3
-60°	9.7	9.7	9.7	18.9	33.6	57.9	90.5	126.9	177.8	245.6	325.5
-62.5°	9.7	9.7	9.7	17.9	31.7	53.0	83.3	118.3	163.0	226.2	300.1
-65°	9.7	9.7	9.7	16.7	29.7	47.5	75.1	107.1	145.2	200.8	271.3
-67.5°	9.7	9.7	9.7	15.4	27.4	42.7	66.0	94.1	124.6	170.9	233.1
-70°	9.7	9.7	9.7	14.0	24.9	38.8	56.3	80.2	106.7	137.8	188.4
-72.5°	9.7	9.7	9.7	13.7	22.2	34.6	49.7	65.6	88.1	114.3	144.2
-75°	9.7	9.7	9.7	13.6	19.3	30.1	43.3	55.3	68.6	90.1	114.7
-77.5°	9.7	9.7	9.7	13.4	18.3	25.4	36.5	46.5	56.9	68.2	84.1
-80°	9.7	9.7	9.7	13.2	17.7	22.9	29.5	37.5	45.9	55.0	64.8
-82.5°	9.7	9.7	9.7	13.0	16.9	21.5	26.7	30.4	34.6	41.5	48.8
-85°	9.7	9.7	9.7	12.7	16.2	20.1	24.3	27.6	30.8	34.0	37.2
-87.5°	9.7	9.7	9.7	12.4	15.4	18.5	21.9	24.7	27.5	30.4	33.2
-90°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	7.3	4.8	2.4	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°	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	31.5	34.0	36.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.9	2.5	1.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	6.4	5.2	2.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	5.5	2.8	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2.1	0.1	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.6	2.7	2.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	5.5	5.9	4.0	1.6	0.0	0.5	1.4	1.0	0.0	0.5	1.2
67.5°	9.0	6.7	4.4	2.7	3.6	4.9	4.6	4.9	5.3	5.8	4.9
65°	9.5	7.2	7.3	8.5	9.5	10.5	11.3	12.0	10.1	8.7	8.9
62.5°	10.1	10.9	12.6	14.2	15.6	16.9	17.0	15.1	11.5	14.4	16.5
60°	14.4	15.9	17.9	19.8	21.7	22.8	21.8	22.0	24.5	28.4	54.5
57.5°	19.5	20.7	23.2	26.2	28.9	29.4	30.2	32.8	76.8	125.5	138.6
55°	24.5	25.6	29.7	34.5	37.3	37.0	53.2	112.1	169.2	234.4	258.4
52.5°	29.5	31.6	38.6	44.3	48.0	74.8	134.7	214.6	298.9	373.8	470.5
50°	34.5	41.5	48.8	57.2	91.2	161.0	248.7	357.8	484.8	604.4	726.9
47.5°	43.2	52.0	63.0	90.2	179.8	276.8	398.0	573.6	730.3	875.0	1042.9
45°	53.4	71.7	83.9	178.6	282.7	407.8	613.1	827.8	969.9	1163.6	1460.9
42.5°	63.9	99.2	160.2	269.8	396.7	598.3	852.9	1035.9	1225.0	1539.0	1851.5
40°	91.9	133.0	241.7	372.0	532.8	826.9	1088.2	1295.3	1553.5	1901.7	2228.0
37.5°	125.9	203.0	324.7	481.1	746.4	1068.7	1348.5	1644.4	1941.3	2269.6	2874.7
35°	163.8	268.0	430.0	641.0	960.1	1336.8	1670.5	2001.1	2343.3	2989.6	3590.0
32.5°	213.0	327.8	540.1	826.9	1191.1	1604.6	1992.0	2374.2	2922.9	3654.3	4256.9
30°	266.1	423.9	666.7	998.9	1408.5	1849.9	2315.6	2778.3	3504.6	4109.8	4764.0
27.5°	321.6	525.5	815.3	1178.7	1612.2	2081.4	2606.9	3267.1	3914.8	4512.7	5231.7
25°	378.5	631.2	951.1	1350.6	1812.6	2331.6	2936.0	3740.1	4246.8	4907.6	5657.6
22.5°	451.7	732.4	1085.6	1506.4	1998.2	2588.6	3359.4	4166.9	4763.2	5319.0	6051.6
20°	536.4	846.3	1231.9	1701.6	2180.2	2839.7	3780.5	4629.7	5331.1	5967.6	6640.5
17.5°	615.4	952.8	1388.4	1901.0	2444.8	3161.5	4193.6	5133.5	5905.4	6614.6	7454.7
15°	688.6	1051.3	1541.7	2089.6	2705.1	3530.1	4564.1	5596.3	6477.7	7275.7	8230.4
12.5°	755.5	1141.3	1689.4	2266.1	2950.1	3847.9	4875.2	5882.7	6851.5	7891.3	8974.7
10°	815.7	1222.2	1828.9	2429.2	3177.2	4116.6	5132.2	6121.5	7098.9	8199.4	9403.1
7.5°	880.4	1297.9	1955.5	2577.3	3383.9	4338.7	5337.5	6313.1	7298.9	8445.7	9681.5
5°	940.2	1367.5	2056.1	2683.4	3543.6	4511.9	5492.0	6458.6	7450.7	8629.3	9892.3
2.5°	992.6	1426.0	2138.0	2766.7	3662.0	4639.4	5592.4	6579.9	7563.3	8778.5	10053.3
0°	1037.2	1473.5	2200.5	2830.6	3751.5	4730.6	5651.5	6659.7	7629.1	8879.6	10159.2
-2.5°	1065.7	1551.3	2243.4	2942.1	3829.7	4790.4	5704.4	6682.1	7700.0	8911.7	10278.1
-5°	1085.8	1614.3	2269.3	3028.1	3880.9	4816.7	5721.9	6664.8	7718.9	8903.6	10295.6
-7.5°	1097.5	1658.8	2281.5	3076.9	3898.9	4800.9	5692.4	6632.0	7688.0	8873.1	10218.6
-10°	1104.2	1672.8	2297.9	3062.2	3875.2	4748.9	5626.8	6555.0	7600.0	8774.0	10072.4
-12.5°	1122.4	1663.9	2295.1	3029.6	3824.3	4670.4	5529.6	6433.0	7453.5	8604.9	9870.2
-15°	1127.0	1643.8	2267.5	2981.6	3746.4	4567.8	5402.2	6265.8	7272.8	8440.1	9646.6
-17.5°	1116.8	1613.8	2213.8	2920.4	3642.0	4443.3	5252.3	6115.2	7103.4	8250.1	9411.7
-20°	1090.9	1574.6	2132.7	2848.1	3518.2	4305.0	5102.2	5957.2	6908.5	7986.4	9149.0



REPORT NUMBER: P627990 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-730-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°	1048.4	1527.4	2044.9	2747.2	3411.2	4146.1	4926.3	5742.1	6664.3	7644.4	8795.7
-25°	1004.5	1474.0	1975.8	2608.6	3282.5	3960.6	4724.1	5479.0	6377.5	7340.0	8361.7
-27.5°	962.9	1399.5	1903.9	2456.6	3131.1	3762.6	4495.5	5231.8	6054.9	6998.3	7939.0
-30°	908.4	1319.0	1816.1	2310.6	2950.0	3576.0	4240.5	4965.2	5705.3	6600.6	7526.1
-32.5°	860.4	1235.4	1716.2	2199.3	2755.2	3365.9	3965.6	4656.3	5378.7	6141.9	7056.4
-35°	828.3	1185.9	1610.4	2070.8	2556.6	3137.4	3707.8	4307.9	5007.5	5723.7	6526.7
-37.5°	802.3	1129.0	1498.9	1936.8	2399.3	2897.7	3431.7	3983.8	4594.3	5316.5	6071.4
-40°	761.3	1065.0	1416.3	1809.2	2217.2	2670.4	3166.0	3665.8	4195.1	4900.5	5645.4
-42.5°	708.9	1003.0	1338.5	1670.2	2043.0	2456.7	2897.3	3367.9	3876.6	4489.3	5174.1
-45°	668.5	923.7	1251.9	1549.1	1857.7	2236.0	2649.8	3076.1	3555.8	4081.9	4696.9
-47.5°	617.3	837.5	1138.8	1416.5	1688.3	2011.3	2389.6	2793.2	3218.1	3692.2	4196.2
-50°	562.4	765.6	1000.3	1270.7	1529.9	1798.5	2121.2	2494.4	2879.9	3293.1	3742.8
-52.5°	520.8	681.5	895.7	1120.8	1367.9	1611.5	1886.3	2206.2	2550.6	2895.8	3291.4
-55°	473.7	619.6	796.2	997.9	1208.3	1433.7	1683.9	1964.3	2244.9	2562.1	2877.7
-57.5°	440.6	560.0	713.0	888.4	1077.3	1268.9	1505.1	1742.0	2001.9	2264.3	2526.2
-60°	414.7	508.6	635.5	789.9	958.3	1137.5	1331.2	1550.1	1773.8	1988.1	2214.4
-62.5°	385.1	466.8	566.0	691.9	844.1	999.9	1170.6	1358.1	1560.5	1740.9	1916.4
-65°	346.8	417.8	502.9	605.4	724.9	856.6	1002.0	1160.1	1335.0	1481.5	1624.8
-67.5°	302.8	362.5	434.0	517.7	617.3	720.1	826.8	960.5	1102.5	1222.0	1338.8
-70°	247.4	302.7	361.1	429.4	507.5	594.7	688.6	785.5	882.8	980.3	1087.1
-72.5°	189.4	239.7	289.3	337.9	400.2	471.6	548.2	629.5	714.4	797.8	879.0
-75°	144.4	177.0	220.3	264.2	307.4	353.9	405.7	470.4	549.3	630.2	704.4
-77.5°	109.0	136.4	165.3	195.4	222.8	257.0	294.4	334.6	399.7	474.4	549.8
-80°	78.7	95.1	118.0	142.3	161.5	180.4	200.0	220.4	268.8	329.0	393.2
-82.5°	58.4	69.6	82.3	96.4	106.1	115.5	126.0	139.5	175.4	216.0	258.9
-85°	40.2	43.5	50.4	58.3	63.7	69.1	74.8	80.5	99.9	121.6	144.8
-87.5°	34.7	36.4	38.2	40.2	40.9	41.6	42.2	42.8	49.3	56.2	63.2
-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):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	38.8	41.2	43.7	46.1	48.5	50.9	53.4	55.8	58.2	58.2	58.2
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°	0.8	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	4.4	4.9	5.0	4.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0
65°	10.2	9.8	7.3	4.7	2.3	3.7	5.9	7.0	7.1	6.3	4.9
62.5°	15.4	14.1	12.8	14.7	17.7	20.4	19.6	18.5	17.2	16.4	17.0
60°	57.4	38.3	44.2	55.5	51.8	35.5	58.4	66.1	56.3	38.6	37.2
57.5°	145.3	140.2	160.6	234.7	258.3	235.4	281.2	341.5	339.6	292.5	291.0
55°	309.6	415.3	543.0	563.7	652.6	830.7	969.4	908.6	908.2	953.9	1101.2
52.5°	588.0	687.8	725.0	824.2	1009.9	1144.7	1231.4	1321.0	1419.3	1519.6	1621.2
50°	862.9	959.8	1069.9	1171.5	1428.6	1566.9	1543.9	1729.6	1967.3	2115.7	2192.0
47.5°	1265.8	1418.5	1651.1	2015.5	2207.4	2346.1	2518.6	2729.0	3001.3	3370.7	3655.2
45°	1740.2	1980.3	2340.2	2727.3	3025.0	3160.7	3358.1	3683.9	4118.1	4540.9	4849.6
42.5°	2127.8	2457.3	2863.2	3233.1	3476.0	3698.8	3954.4	4229.2	4726.5	5178.1	5534.9
40°	2633.7	2890.4	3345.8	3694.5	3911.9	4132.8	4537.8	4949.0	5416.7	5837.4	6129.8
37.5°	3274.9	3563.8	4037.5	4431.8	4641.2	4719.3	5408.1	5980.5	6360.6	6897.7	7073.3
35°	3963.8	4439.3	5042.9	5554.2	5759.5	6169.1	6878.7	7677.4	8542.8	8861.0	9132.4
32.5°	4732.4	5319.0	6138.0	6686.7	6979.6	7601.3	8499.4	9351.9	10483.4	11097.5	11281.1
30°	5435.4	6108.6	6812.6	7345.9	7846.6	8595.4	9414.4	10465.6	11511.8	12297.1	12540.9
27.5°	5951.4	6696.3	7373.0	7872.5	8437.5	9244.8	10266.0	11330.5	12357.5	13158.6	13443.3
25°	6443.9	7285.9	7821.7	8402.4	9065.9	9945.7	11077.4	12260.1	13271.7	13948.7	14297.9
22.5°	7004.1	7834.3	8409.5	8901.4	9768.9	10782.8	11833.2	13169.6	14241.4	14781.7	15160.1
20°	7582.3	8521.7	9410.1	9867.7	10618.3	11902.0	13077.9	14339.6	15374.5	15937.6	16336.2
17.5°	8389.1	9586.1	10675.9	11323.8	12127.6	13662.4	15129.7	16406.0	17845.8	18354.3	18841.5
15°	9239.8	10625.2	11901.8	12928.3	13966.5	15487.2	17376.0	18916.3	20559.1	21292.8	22122.2
12.5°	10087.8	11398.8	12555.4	13879.5	15342.9	16688.1	18486.3	20404.3	21895.0	22830.7	23389.1
10°	10721.6	11939.2	13052.2	14379.5	15840.2	17361.9	19148.7	21114.8	22675.4	23473.8	23929.5
7.5°	11063.9	12229.2	13403.2	14748.2	16202.3	17823.0	19664.0	21614.5	23210.2	23983.8	24433.8
5°	11318.0	12437.2	13652.8	15068.6	16538.9	18182.2	20020.7	21948.1	23403.0	24225.1	24794.2
2.5°	11471.8	12569.0	13811.9	15275.8	16749.6	18461.1	20388.5	22386.3	23659.4	24320.7	24844.1
0°	11516.4	12621.5	13901.1	15384.2	16896.5	18622.0	20531.7	22509.3	23798.5	24438.3	24971.5
-2.5°	11566.6	12704.4	14019.0	15454.5	16954.0	18674.6	20623.9	22550.9	23710.7	24356.3	24863.5
-5°	11531.6	12710.8	14021.5	15396.4	16905.7	18612.6	20483.9	22285.7	23498.9	24196.9	24701.2
-7.5°	11427.2	12623.3	13920.4	15241.7	16722.3	18448.6	20312.0	22047.0	23276.0	24012.1	24563.9
-10°	11275.4	12436.5	13742.6	15080.8	16543.6	18186.9	20021.6	21746.3	22922.5	23704.1	24347.2
-12.5°	11107.0	12244.2	13503.1	14786.7	16233.4	17856.4	19634.1	21266.6	22436.0	23288.4	23748.0
-15°	10857.7	11994.1	13197.7	14439.3	15849.4	17423.9	19122.1	20688.3	21836.6	22530.2	23038.1
-17.5°	10540.5	11655.5	12796.5	13974.2	15302.7	16853.3	18561.8	20106.5	21042.5	21662.0	22161.2
-20°	10200.8	11231.9	12312.9	13424.2	14711.8	16247.8	17925.7	19273.1	20155.4	20750.6	21221.9



REPORT NUMBER: P627990 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-730-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°	9812.7	10805.7	11795.2	12857.5	14120.2	15528.4	17010.4	18312.5	19261.0	19803.2	20238.8
-25°	9369.8	10335.7	11275.3	12301.4	13461.8	14727.6	16105.7	17385.2	18234.7	18810.6	19242.5
-27.5°	8892.7	9800.2	10718.1	11639.5	12682.7	13943.9	15220.1	16408.8	17134.0	17714.4	18149.0
-30°	8416.6	9232.8	10082.1	10954.2	11933.4	13070.6	14264.4	15263.9	16028.6	16592.6	16996.0
-32.5°	7900.5	8675.1	9427.5	10242.7	11164.5	12166.7	13214.4	14165.2	14982.5	15499.0	15838.9
-35°	7372.0	8121.8	8810.5	9550.4	10363.5	11228.4	12195.4	13133.2	13940.2	14348.9	14680.3
-37.5°	6821.5	7569.2	8222.0	8840.2	9540.7	10341.6	11283.5	12178.2	12875.4	13226.7	13525.4
-40°	6342.8	7001.0	7588.7	8180.2	8749.7	9460.9	10339.9	11206.2	11765.6	12107.9	12385.4
-42.5°	5878.1	6433.3	6914.6	7444.8	8014.7	8716.0	9425.2	10151.5	10601.2	10981.2	11273.4
-45°	5336.8	5833.2	6284.4	6725.5	7245.2	7885.4	8529.7	9111.5	9532.6	9899.9	10184.5
-47.5°	4738.3	5217.4	5655.6	6049.9	6533.1	7066.9	7609.4	8093.5	8509.4	8872.4	9126.3
-50°	4180.4	4608.5	5036.3	5435.4	5854.0	6286.0	6726.0	7150.9	7545.6	7898.3	8114.4
-52.5°	3680.6	4075.6	4449.5	4798.4	5164.8	5529.7	5894.1	6283.2	6646.5	6980.2	7152.8
-55°	3228.4	3584.6	3922.0	4215.9	4509.8	4799.3	5111.7	5471.0	5805.4	6114.6	6238.4
-57.5°	2822.5	3127.3	3425.9	3674.5	3914.4	4144.6	4418.9	4722.2	5014.9	5279.9	5381.2
-60°	2449.1	2691.0	2940.7	3161.2	3370.4	3567.8	3807.0	4051.2	4288.6	4488.3	4574.6
-62.5°	2105.7	2312.6	2501.8	2681.0	2858.1	3035.9	3228.9	3422.6	3614.4	3768.3	3846.2
-65°	1774.6	1939.3	2091.3	2238.7	2381.7	2531.0	2682.1	2829.4	2971.3	3081.3	3148.8
-67.5°	1463.7	1588.9	1709.6	1824.4	1944.1	2065.1	2183.3	2296.1	2402.7	2487.8	2552.3
-70°	1188.1	1285.1	1379.5	1474.6	1574.5	1668.6	1757.6	1842.0	1921.3	1982.6	2032.3
-72.5°	957.7	1036.3	1117.9	1203.5	1284.3	1354.6	1418.6	1480.3	1539.3	1574.0	1599.8
-75°	772.2	838.3	909.3	978.5	1046.0	1099.4	1146.4	1191.9	1235.7	1238.0	1229.2
-77.5°	623.8	682.9	737.8	792.2	846.1	879.0	907.8	937.5	967.4	950.1	922.7
-80°	457.8	507.1	553.7	600.5	647.4	666.8	680.5	692.3	702.2	679.6	651.6
-82.5°	303.8	334.9	365.2	396.0	427.3	439.8	449.1	456.8	462.9	442.4	418.8
-85°	169.6	184.5	199.1	213.9	228.7	237.4	245.4	252.7	259.4	247.3	233.5
-87.5°	70.5	73.9	77.2	80.4	83.6	86.7	89.7	92.7	95.6	96.0	96.3
-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: P627990 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-730-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°	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	55.8
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	0.0	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°	2.9	0.5	0.0	0.0	0.0	0.5	2.9	4.9	6.3	7.1	7.0
62.5°	17.8	18.5	19.2	19.4	19.2	18.5	17.8	17.0	16.4	17.2	18.5
60°	34.3	30.0	29.0	29.1	29.0	30.0	34.3	37.2	38.6	56.3	66.1
57.5°	268.7	230.1	235.8	261.7	235.8	230.1	268.7	291.0	292.5	339.6	341.5
55°	1255.9	1401.9	1453.5	1425.0	1453.5	1401.9	1255.9	1101.2	953.9	908.2	908.6
52.5°	1701.5	1761.4	1784.5	1783.7	1784.5	1761.4	1701.5	1621.2	1519.6	1419.3	1321.0
50°	2215.1	2194.8	2163.6	2132.7	2163.6	2194.8	2215.1	2192.0	2115.7	1967.3	1729.6
47.5°	3696.8	3632.7	3605.6	3654.6	3605.6	3632.7	3696.8	3655.2	3370.7	3001.3	2729.0
45°	4912.6	4987.6	5043.7	5040.8	5043.7	4987.6	4912.6	4849.6	4540.9	4118.1	3683.9
42.5°	5604.8	5644.8	5656.4	5641.9	5656.4	5644.8	5604.8	5534.9	5178.1	4726.5	4229.2
40°	6221.7	6269.4	6296.2	6320.4	6296.2	6269.4	6221.7	6129.8	5837.4	5416.7	4949.0
37.5°	7131.2	7148.7	7110.6	7086.2	7110.6	7148.7	7131.2	7073.3	6897.7	6360.6	5980.5
35°	9361.1	9406.8	9301.1	9412.8	9301.1	9406.8	9361.1	9132.4	8861.0	8542.8	7677.4
32.5°	11499.7	11713.8	11886.9	12030.1	11886.9	11713.8	11499.7	11281.1	11097.5	10483.4	9351.9
30°	12711.2	12849.3	12923.5	12941.4	12923.5	12849.3	12711.2	12540.9	12297.1	11511.8	10465.6
27.5°	13600.6	13745.4	13835.5	13901.1	13835.5	13745.4	13600.6	13443.3	13158.6	12357.5	11330.5
25°	14457.9	14590.2	14680.3	14715.4	14680.3	14590.2	14457.9	14297.9	13948.7	13271.7	12260.1
22.5°	15347.4	15439.4	15525.9	15568.4	15525.9	15439.4	15347.4	15160.1	14781.7	14241.4	13169.6
20°	16622.6	16572.6	16651.5	16625.1	16651.5	16572.6	16622.6	16336.2	15937.6	15374.5	14339.6
17.5°	19221.4	19248.3	19301.1	19387.8	19301.1	19248.3	19221.4	18841.5	18354.3	17845.8	16406.0
15°	22489.6	22555.4	22889.6	23187.8	22889.6	22555.4	22489.6	22122.2	21292.8	20559.1	18916.3
12.5°	23907.3	24134.8	24170.1	24254.2	24170.1	24134.8	23907.3	23389.1	22830.7	21895.0	20404.3
10°	24380.4	24774.5	24766.0	24864.9	24766.0	24774.5	24380.4	23929.5	23473.8	22675.4	21114.8
7.5°	24739.2	25162.4	25341.4	25417.4	25341.4	25162.4	24739.2	24433.8	23983.8	23210.2	21614.5
5°	25177.6	25410.3	25719.0	25630.7	25719.0	25410.3	25177.6	24794.2	24225.1	23403.0	21948.1
2.5°	25361.3	25725.8	25641.7	25727.6	25641.7	25725.8	25361.3	24844.1	24320.7	23659.4	22386.3
0°	25485.3	25747.0	25785.8	25873.0	25785.8	25747.0	25485.3	24971.5	24438.3	23798.5	22509.3
-2.5°	25334.9	25565.3	25968.7	25844.0	25968.7	25565.3	25334.9	24863.5	24356.3	23710.7	22550.9
-5°	25203.2	25770.1	25549.9	25824.6	25549.9	25770.1	25203.2	24701.2	24196.9	23498.9	22285.7
-7.5°	25135.1	25236.5	25382.6	25591.9	25382.6	25236.5	25135.1	24563.9	24012.1	23276.0	22047.0
-10°	24609.0	24712.6	24981.2	25126.6	24981.2	24712.6	24609.0	24347.2	23704.1	22922.5	21746.3
-12.5°	24038.3	24239.1	24521.1	24612.8	24521.1	24239.1	24038.3	23748.0	23288.4	22436.0	21266.6
-15°	23381.0	23679.2	23954.1	24011.8	23954.1	23679.2	23381.0	23038.1	22530.2	21836.6	20688.3
-17.5°	22545.1	22902.7	23191.6	23255.7	23191.6	22902.7	22545.1	22161.2	21662.0	21042.5	20106.5
-20°	21624.1	21966.6	22212.3	22286.3	22212.3	21966.6	21624.1	21221.9	20750.6	20155.4	19273.1



REPORT NUMBER: P627990 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-730-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°	20638.0	20946.4	21154.1	21123.0	21154.1	20946.4	20638.0	20238.8	19803.2	19261.0	18312.5
-25°	19591.1	19877.3	20075.1	20047.0	20075.1	19877.3	19591.1	19242.5	18810.6	18234.7	17385.2
-27.5°	18484.3	18755.4	18945.6	18951.6	18945.6	18755.4	18484.3	18149.0	17714.4	17134.0	16408.8
-30°	17321.3	17567.5	17721.9	17662.3	17721.9	17567.5	17321.3	16996.0	16592.6	16028.6	15263.9
-32.5°	16121.7	16344.4	16486.0	16528.1	16486.0	16344.4	16121.7	15838.9	15499.0	14982.5	14165.2
-35°	14938.6	15134.9	15257.1	15287.3	15257.1	15134.9	14938.6	14680.3	14348.9	13940.2	13133.2
-37.5°	13763.0	13932.0	14017.3	13978.6	14017.3	13932.0	13763.0	13525.4	13226.7	12875.4	12178.2
-40°	12601.3	12762.1	12859.9	12883.2	12859.9	12762.1	12601.3	12385.4	12107.9	11765.6	11206.2
-42.5°	11459.1	11592.8	11678.6	11719.9	11678.6	11592.8	11459.1	11273.4	10981.2	10601.2	10151.5
-45°	10350.6	10470.2	10550.8	10595.4	10550.8	10470.2	10350.6	10184.5	9899.9	9532.6	9111.5
-47.5°	9272.1	9377.0	9446.5	9480.6	9446.5	9377.0	9272.1	9126.3	8872.4	8509.4	8093.5
-50°	8240.8	8331.6	8396.4	8433.7	8396.4	8331.6	8240.8	8114.4	7898.3	7545.6	7150.9
-52.5°	7262.7	7342.0	7397.3	7425.5	7397.3	7342.0	7262.7	7152.8	6980.2	6646.5	6283.2
-55°	6328.8	6393.1	6444.2	6475.5	6444.2	6393.1	6328.8	6238.4	6114.6	5805.4	5471.0
-57.5°	5458.0	5510.5	5558.9	5593.4	5558.9	5510.5	5458.0	5381.2	5279.9	5014.9	4722.2
-60°	4642.7	4692.3	4733.5	4759.7	4733.5	4692.3	4642.7	4574.6	4488.3	4288.6	4051.2
-62.5°	3907.0	3951.0	3988.7	4013.3	3988.7	3951.0	3907.0	3846.2	3768.3	3614.4	3422.6
-65°	3201.9	3241.2	3269.3	3286.2	3269.3	3241.2	3201.9	3148.8	3081.3	2971.3	2829.4
-67.5°	2607.3	2652.7	2661.7	2656.1	2661.7	2652.7	2607.3	2552.3	2487.8	2402.7	2296.1
-70°	2076.8	2115.2	2124.2	2123.0	2124.2	2115.2	2076.8	2032.3	1982.6	1921.3	1842.0
-72.5°	1623.9	1644.8	1627.0	1599.5	1627.0	1644.8	1623.9	1599.8	1574.0	1539.3	1480.3
-75°	1218.5	1205.1	1186.3	1163.3	1186.3	1205.1	1218.5	1229.2	1238.0	1235.7	1191.9
-77.5°	892.5	859.4	837.8	814.3	837.8	859.4	892.5	922.7	950.1	967.4	937.5
-80°	621.3	589.0	566.7	542.9	566.7	589.0	621.3	651.6	679.6	702.2	692.3
-82.5°	393.6	367.0	353.5	339.3	353.5	367.0	393.6	418.8	442.4	462.9	456.8
-85°	218.6	202.9	193.7	184.2	193.7	202.9	218.6	233.5	247.3	259.4	252.7
-87.5°	96.6	96.8	92.0	87.2	92.0	96.8	96.6	96.3	96.0	95.6	92.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	53.4	50.9	48.5	46.1	43.7	41.2	38.8	36.4	34.0	31.5	29.1
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	0.3	0.2	0.0	0.0	0.8	1.2	0.5	0.0	1.0
67.5°	0.0	0.0	1.7	4.0	5.0	4.9	4.4	4.9	5.8	5.3	4.9
65°	5.9	3.7	2.3	4.7	7.3	9.8	10.2	8.9	8.7	10.1	12.0
62.5°	19.6	20.4	17.7	14.7	12.8	14.1	15.4	16.5	14.4	11.5	15.1
60°	58.4	35.5	51.8	55.5	44.2	38.3	57.4	54.5	28.4	24.5	22.0
57.5°	281.2	235.4	258.3	234.7	160.6	140.2	145.3	138.6	125.5	76.8	32.8
55°	969.4	830.7	652.6	563.7	543.0	415.3	309.6	258.4	234.4	169.2	112.1
52.5°	1231.4	1144.7	1009.9	824.2	725.0	687.8	588.0	470.5	373.8	298.9	214.6
50°	1543.9	1566.9	1428.6	1171.5	1069.9	959.8	862.9	726.9	604.4	484.8	357.8
47.5°	2518.6	2346.1	2207.4	2015.5	1651.1	1418.5	1265.8	1042.9	875.0	730.3	573.6
45°	3358.1	3160.7	3025.0	2727.3	2340.2	1980.3	1740.2	1460.9	1163.6	969.9	827.8
42.5°	3954.4	3698.8	3476.0	3233.1	2863.2	2457.3	2127.8	1851.5	1539.0	1225.0	1035.9
40°	4537.8	4132.8	3911.9	3694.5	3345.8	2890.4	2633.7	2228.0	1901.7	1553.5	1295.3
37.5°	5408.1	4719.3	4641.2	4431.8	4037.5	3563.8	3274.9	2874.7	2269.6	1941.3	1644.4
35°	6878.7	6169.1	5759.5	5554.2	5042.9	4439.3	3963.8	3590.0	2989.6	2343.3	2001.1
32.5°	8499.4	7601.3	6979.6	6686.7	6138.0	5319.0	4732.4	4256.9	3654.3	2922.9	2374.2
30°	9414.4	8595.4	7846.6	7345.9	6812.6	6108.6	5435.4	4764.0	4109.8	3504.6	2778.3
27.5°	10266.0	9244.8	8437.5	7872.5	7373.0	6696.3	5951.4	5231.7	4512.7	3914.8	3267.1
25°	11077.4	9945.7	9065.9	8402.4	7821.7	7285.9	6443.9	5657.6	4907.6	4246.8	3740.1
22.5°	11833.2	10782.8	9768.9	8901.4	8409.5	7834.3	7004.1	6051.6	5319.0	4763.2	4166.9
20°	13077.9	11902.0	10618.3	9867.7	9410.1	8521.7	7582.3	6640.5	5967.6	5331.1	4629.7
17.5°	15129.7	13662.4	12127.6	11323.8	10675.9	9586.1	8389.1	7454.7	6614.6	5905.4	5133.5
15°	17376.0	15487.2	13966.5	12928.3	11901.8	10625.2	9239.8	8230.4	7275.7	6477.7	5596.3
12.5°	18486.3	16688.1	15342.9	13879.5	12555.4	11398.8	10087.8	8974.7	7891.3	6851.5	5882.7
10°	19148.7	17361.9	15840.2	14379.5	13052.2	11939.2	10721.6	9403.1	8199.4	7098.9	6121.5
7.5°	19664.0	17823.0	16202.3	14748.2	13403.2	12229.2	11063.9	9681.5	8445.7	7298.9	6313.1
5°	20020.7	18182.2	16538.9	15068.6	13652.8	12437.2	11318.0	9892.3	8629.3	7450.7	6458.6
2.5°	20388.5	18461.1	16749.6	15275.8	13811.9	12569.0	11471.8	10053.3	8778.5	7563.3	6579.9
0°	20531.7	18622.0	16896.5	15384.2	13901.1	12621.5	11516.4	10159.2	8879.6	7629.1	6659.7
-2.5°	20623.9	18674.6	16954.0	15454.5	14019.0	12704.4	11566.6	10278.1	8911.7	7700.0	6682.1
-5°	20483.9	18612.6	16905.7	15396.4	14021.5	12710.8	11531.6	10295.6	8903.6	7718.9	6664.8
-7.5°	20312.0	18448.6	16722.3	15241.7	13920.4	12623.3	11427.2	10218.6	8873.1	7688.0	6632.0
-10°	20021.6	18186.9	16543.6	15080.8	13742.6	12436.5	11275.4	10072.4	8774.0	7600.0	6555.0
-12.5°	19634.1	17856.4	16233.4	14786.7	13503.1	12244.2	11107.0	9870.2	8604.9	7453.5	6433.0
-15°	19122.1	17423.9	15849.4	14439.3	13197.7	11994.1	10857.7	9646.6	8440.1	7272.8	6265.8
-17.5°	18561.8	16853.3	15302.7	13974.2	12796.5	11655.5	10540.5	9411.7	8250.1	7103.4	6115.2
-20°	17925.7	16247.8	14711.8	13424.2	12312.9	11231.9	10200.8	9149.0	7986.4	6908.5	5957.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627990 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-730-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°	17010.4	15528.4	14120.2	12857.5	11795.2	10805.7	9812.7	8795.7	7644.4	6664.3	5742.1
-25°	16105.7	14727.6	13461.8	12301.4	11275.3	10335.7	9369.8	8361.7	7340.0	6377.5	5479.0
-27.5°	15220.1	13943.9	12682.7	11639.5	10718.1	9800.2	8892.7	7939.0	6998.3	6054.9	5231.8
-30°	14264.4	13070.6	11933.4	10954.2	10082.1	9232.8	8416.6	7526.1	6600.6	5705.3	4965.2
-32.5°	13214.4	12166.7	11164.5	10242.7	9427.5	8675.1	7900.5	7056.4	6141.9	5378.7	4656.3
-35°	12195.4	11228.4	10363.5	9550.4	8810.5	8121.8	7372.0	6526.7	5723.7	5007.5	4307.9
-37.5°	11283.5	10341.6	9540.7	8840.2	8222.0	7569.2	6821.5	6071.4	5316.5	4594.3	3983.8
-40°	10339.9	9460.9	8749.7	8180.2	7588.7	7001.0	6342.8	5645.4	4900.5	4195.1	3665.8
-42.5°	9425.2	8716.0	8014.7	7444.8	6914.6	6433.3	5878.1	5174.1	4489.3	3876.6	3367.9
-45°	8529.7	7885.4	7245.2	6725.5	6284.4	5833.2	5336.8	4696.9	4081.9	3555.8	3076.1
-47.5°	7609.4	7066.9	6533.1	6049.9	5655.6	5217.4	4738.3	4196.2	3692.2	3218.1	2793.2
-50°	6726.0	6286.0	5854.0	5435.4	5036.3	4608.5	4180.4	3742.8	3293.1	2879.9	2494.4
-52.5°	5894.1	5529.7	5164.8	4798.4	4449.5	4075.6	3680.6	3291.4	2895.8	2550.6	2206.2
-55°	5111.7	4799.3	4509.8	4215.9	3922.0	3584.6	3228.4	2877.7	2562.1	2244.9	1964.3
-57.5°	4418.9	4144.6	3914.4	3674.5	3425.9	3127.3	2822.5	2526.2	2264.3	2001.9	1742.0
-60°	3807.0	3567.8	3370.4	3161.2	2940.7	2691.0	2449.1	2214.4	1988.1	1773.8	1550.1
-62.5°	3228.9	3035.9	2858.1	2681.0	2501.8	2312.6	2105.7	1916.4	1740.9	1560.5	1358.1
-65°	2682.1	2531.0	2381.7	2238.7	2091.3	1939.3	1774.6	1624.8	1481.5	1335.0	1160.1
-67.5°	2183.3	2065.1	1944.1	1824.4	1709.6	1588.9	1463.7	1338.8	1222.0	1102.5	960.5
-70°	1757.6	1668.6	1574.5	1474.6	1379.5	1285.1	1188.1	1087.1	980.3	882.8	785.5
-72.5°	1418.6	1354.6	1284.3	1203.5	1117.9	1036.3	957.7	879.0	797.8	714.4	629.5
-75°	1146.4	1099.4	1046.0	978.5	909.3	838.3	772.2	704.4	630.2	549.3	470.4
-77.5°	907.8	879.0	846.1	792.2	737.8	682.9	623.8	549.8	474.4	399.7	334.6
-80°	680.5	666.8	647.4	600.5	553.7	507.1	457.8	393.2	329.0	268.8	220.4
-82.5°	449.1	439.8	427.3	396.0	365.2	334.9	303.8	258.9	216.0	175.4	139.5
-85°	245.4	237.4	228.7	213.9	199.1	184.5	169.6	144.8	121.6	99.9	80.5
-87.5°	89.7	86.7	83.6	80.4	77.2	73.9	70.5	63.2	56.2	49.3	42.8
-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: P627990 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-730-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°	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	26.7	24.3	21.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	3.2	5.1
85°	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.6	1.6	2.9
82.5°	0.0	0.0	0.0	0.2	1.6	2.5	2.9	2.6	1.4	0.2	0.7
80°	0.0	0.0	0.0	0.3	2.4	5.2	6.4	6.6	5.1	3.5	1.9
77.5°	0.0	0.0	0.0	0.1	1.0	2.8	5.5	8.8	8.7	6.8	4.8
75°	0.0	0.0	0.0	0.4	0.6	0.1	2.1	5.1	7.9	9.6	7.6
72.5°	0.0	0.0	0.0	1.2	2.6	2.7	1.6	1.7	5.6	8.2	9.6
70°	1.4	0.5	0.0	1.6	4.0	5.9	5.5	4.4	3.7	7.1	9.2
67.5°	4.6	4.9	3.6	2.7	4.4	6.7	9.0	8.7	7.5	6.3	8.9
65°	11.3	10.5	9.5	8.5	7.3	7.2	9.5	12.0	11.3	9.7	8.9
62.5°	17.0	16.9	15.6	14.2	12.6	10.9	10.1	13.4	14.7	13.1	11.0
60°	21.8	22.8	21.7	19.8	17.9	15.9	14.4	15.2	16.9	16.4	13.9
57.5°	30.2	29.4	28.9	26.2	23.2	20.7	19.5	19.0	19.4	19.2	16.8
55°	53.2	37.0	37.3	34.5	29.7	25.6	24.5	23.6	22.5	22.1	19.6
52.5°	134.7	74.8	48.0	44.3	38.6	31.6	29.5	28.2	26.7	25.3	22.5
50°	248.7	161.0	91.2	57.2	48.8	41.5	34.5	32.7	30.8	28.8	25.2
47.5°	398.0	276.8	179.8	90.2	63.0	52.0	43.2	37.3	34.9	32.4	27.9
45°	613.1	407.8	282.7	178.6	83.9	71.7	53.4	41.8	38.9	35.8	30.6
42.5°	852.9	598.3	396.7	269.8	160.2	99.2	63.9	50.7	43.0	39.4	33.5
40°	1088.2	826.9	532.8	372.0	241.7	133.0	91.9	60.5	47.0	43.2	36.8
37.5°	1348.5	1068.7	746.4	481.1	324.7	203.0	125.9	70.5	53.4	47.3	40.3
35°	1670.5	1336.8	960.1	641.0	430.0	268.0	163.8	89.7	65.6	51.5	43.8
32.5°	1992.0	1604.6	1191.1	826.9	540.1	327.8	213.0	128.0	80.0	56.0	47.4
30°	2315.6	1849.9	1408.5	998.9	666.7	423.9	266.1	165.2	96.3	60.6	51.1
27.5°	2606.9	2081.4	1612.2	1178.7	815.3	525.5	321.6	201.2	114.4	68.6	54.9
25°	2936.0	2331.6	1812.6	1350.6	951.1	631.2	378.5	236.5	141.0	82.7	58.7
22.5°	3359.4	2588.6	1998.2	1506.4	1085.6	732.4	451.7	283.2	170.1	97.4	62.5
20°	3780.5	2839.7	2180.2	1701.6	1231.9	846.3	536.4	329.5	197.8	112.8	66.3
17.5°	4193.6	3161.5	2444.8	1901.0	1388.4	952.8	615.4	375.1	223.9	128.4	70.1
15°	4564.1	3530.1	2705.1	2089.6	1541.7	1051.3	688.6	419.4	248.3	144.1	74.9
12.5°	4875.2	3847.9	2950.1	2266.1	1689.4	1141.3	755.5	461.8	270.9	161.5	81.7
10°	5132.2	4116.6	3177.2	2429.2	1828.9	1222.2	815.7	504.4	297.3	180.0	88.7
7.5°	5337.5	4338.7	3383.9	2577.3	1955.5	1297.9	880.4	549.1	322.9	197.6	95.9
5°	5492.0	4511.9	3543.6	2683.4	2056.1	1367.5	940.2	590.3	346.7	214.0	103.0
2.5°	5592.4	4639.4	3662.0	2766.7	2138.0	1426.0	992.6	627.2	368.4	229.0	109.9
0°	5651.5	4730.6	3751.5	2830.6	2200.5	1473.5	1037.2	659.2	387.8	242.3	116.3
-2.5°	5704.4	4790.4	3829.7	2942.1	2243.4	1551.3	1065.7	688.1	418.4	251.9	128.1
-5°	5721.9	4816.7	3880.9	3028.1	2269.3	1614.3	1085.8	711.7	445.2	259.7	139.0
-7.5°	5692.4	4800.9	3898.9	3076.9	2281.5	1658.8	1097.5	730.2	467.1	265.7	148.5
-10°	5626.8	4748.9	3875.2	3062.2	2297.9	1672.8	1104.2	743.8	483.0	270.2	156.3
-12.5°	5529.6	4670.4	3824.3	3029.6	2295.1	1663.9	1122.4	754.3	491.3	273.3	162.1
-15°	5402.2	4567.8	3746.4	2981.6	2267.5	1643.8	1127.0	758.2	490.4	279.0	165.7
-17.5°	5252.3	4443.3	3642.0	2920.4	2213.8	1613.8	1116.8	753.5	485.4	287.3	169.2
-20°	5102.2	4305.0	3518.2	2848.1	2132.7	1574.6	1090.9	739.6	476.5	292.8	172.7

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Scaled Data Report



REPORT NUMBER: P627990 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-730-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°	4926.3	4146.1	3411.2	2747.2	2044.9	1527.4	1048.4	716.1	463.8	295.2	174.2
-25°	4724.1	3960.6	3282.5	2608.6	1975.8	1474.0	1004.5	682.6	447.3	294.3	173.7
-27.5°	4495.5	3762.6	3131.1	2456.6	1903.9	1399.5	962.9	658.1	433.3	290.2	171.0
-30°	4240.5	3576.0	2950.0	2310.6	1816.1	1319.0	908.4	630.6	427.0	284.8	166.3
-32.5°	3965.6	3365.9	2755.2	2199.3	1716.2	1235.4	860.4	599.5	416.4	277.8	166.5
-35°	3707.8	3137.4	2556.6	2070.8	1610.4	1185.9	828.3	565.0	401.4	268.2	167.5
-37.5°	3431.7	2897.7	2399.3	1936.8	1498.9	1129.0	802.3	549.5	381.9	255.8	166.8
-40°	3166.0	2670.4	2217.2	1809.2	1416.3	1065.0	761.3	532.3	363.2	240.6	164.6
-42.5°	2897.3	2456.7	2043.0	1670.2	1338.5	1003.0	708.9	505.9	348.2	232.0	160.8
-45°	2649.8	2236.0	1857.7	1549.1	1251.9	923.7	668.5	472.8	329.6	225.8	157.4
-47.5°	2389.6	2011.3	1688.3	1416.5	1138.8	837.5	617.3	446.6	307.3	217.7	155.1
-50°	2121.2	1798.5	1529.9	1270.7	1000.3	765.6	562.4	415.4	299.4	211.3	151.3
-52.5°	1886.3	1611.5	1367.9	1120.8	895.7	681.5	520.8	382.0	288.8	205.8	146.0
-55°	1683.9	1433.7	1208.3	997.9	796.2	619.6	473.7	366.1	275.7	199.1	139.3
-57.5°	1505.1	1268.9	1077.3	888.4	713.0	560.0	440.6	347.3	262.0	189.7	133.5
-60°	1331.2	1137.5	958.3	789.9	635.5	508.6	414.7	325.5	245.6	177.8	126.9
-62.5°	1170.6	999.9	844.1	691.9	566.0	466.8	385.1	300.1	226.2	163.0	118.3
-65°	1002.0	856.6	724.9	605.4	502.9	417.8	346.8	271.3	200.8	145.2	107.1
-67.5°	826.8	720.1	617.3	517.7	434.0	362.5	302.8	233.1	170.9	124.6	94.1
-70°	688.6	594.7	507.5	429.4	361.1	302.7	247.4	188.4	137.8	106.7	80.2
-72.5°	548.2	471.6	400.2	337.9	289.3	239.7	189.4	144.2	114.3	88.1	65.6
-75°	405.7	353.9	307.4	264.2	220.3	177.0	144.4	114.7	90.1	68.6	55.3
-77.5°	294.4	257.0	222.8	195.4	165.3	136.4	109.0	84.1	68.2	56.9	46.5
-80°	200.0	180.4	161.5	142.3	118.0	95.1	78.7	64.8	55.0	45.9	37.5
-82.5°	126.0	115.5	106.1	96.4	82.3	69.6	58.4	48.8	41.5	34.6	30.4
-85°	74.8	69.1	63.7	58.3	50.4	43.5	40.2	37.2	34.0	30.8	27.6
-87.5°	42.2	41.6	40.9	40.2	38.2	36.4	34.7	33.2	30.4	27.5	24.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.8	7.3

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CATALOG NUMBER: GFLD-SA6E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	19.4	17.0	14.6	12.1	9.7	9.7	9.7
87.5°	7.2	8.1	8.9	9.4	9.7	9.7	9.7
85°	4.7	6.6	8.0	9.1	9.7	9.7	9.7
82.5°	2.3	5.1	7.2	8.8	9.7	9.7	9.7
80°	0.5	3.6	6.4	8.5	9.7	9.7	9.7
77.5°	3.0	3.2	5.7	8.2	9.7	9.7	9.7
75°	5.4	4.8	5.3	8.0	9.7	9.7	9.7
72.5°	7.8	6.3	6.2	7.8	9.7	9.7	9.7
70°	9.7	7.7	7.0	7.8	9.7	9.7	9.7
67.5°	10.0	9.1	7.7	8.1	9.7	9.7	9.7
65°	10.4	10.1	8.4	8.4	9.7	9.7	9.7
62.5°	10.9	10.8	9.1	8.7	9.7	9.7	9.7
60°	11.5	11.6	9.7	9.0	9.7	9.7	9.7
57.5°	13.8	12.6	10.6	9.2	9.8	9.7	9.7
55°	16.3	13.6	11.6	9.4	10.0	9.7	9.7
52.5°	18.7	14.9	12.6	9.5	10.1	9.7	9.7
50°	21.1	16.8	13.7	9.6	10.3	9.7	9.7
47.5°	23.4	18.8	14.8	9.9	10.6	9.7	9.7
45°	25.7	20.7	16.0	10.8	10.9	9.7	9.7
42.5°	27.9	22.5	17.2	11.7	11.2	9.7	9.7
40°	30.0	24.3	18.5	12.9	11.5	9.7	9.7
37.5°	32.1	26.1	19.9	14.2	11.9	9.7	9.7
35°	34.2	27.7	21.3	15.4	12.3	9.7	9.7
32.5°	36.4	29.4	22.6	16.7	12.8	9.7	9.7
30°	39.3	30.9	23.8	17.9	13.2	9.7	9.7
27.5°	42.2	32.4	25.3	19.0	13.7	9.7	9.7
25°	45.1	33.9	26.9	20.2	14.2	9.7	9.7
22.5°	47.9	35.3	28.3	21.3	14.8	9.7	9.7
20°	50.7	37.1	29.7	22.3	15.3	9.7	9.7
17.5°	53.5	38.8	31.1	23.3	15.8	9.7	9.7
15°	56.1	40.5	32.4	24.3	16.4	9.7	9.7
12.5°	58.6	42.0	33.6	25.2	16.9	9.7	9.7
10°	60.9	43.5	34.8	26.1	17.5	9.7	9.7
7.5°	63.0	44.9	35.9	26.9	18.0	9.7	9.7
5°	64.9	46.2	36.9	27.7	18.5	9.7	9.7
2.5°	66.5	47.4	37.9	28.4	19.0	9.7	9.7
0°	67.9	48.5	38.8	29.1	19.4	9.7	9.7
-2.5°	71.7	49.5	39.6	29.1	19.4	9.7	9.7
-5°	75.1	50.5	40.3	29.0	19.3	9.7	9.7
-7.5°	78.1	51.3	40.9	28.8	19.2	9.7	9.7
-10°	80.6	52.0	41.4	28.7	19.1	9.7	9.7
-12.5°	82.5	52.7	41.7	28.4	18.9	9.7	9.7
-15°	83.7	53.2	41.8	28.1	18.7	9.7	9.7
-17.5°	84.1	53.6	41.8	27.7	18.5	9.7	9.7
-20°	86.2	53.9	41.5	27.3	18.2	9.7	9.7

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CATALOG NUMBER: GFLD-SA6E-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	91.8	54.2	41.0	26.9	17.9	9.7	9.7
-25°	96.3	57.7	40.3	26.4	17.6	9.7	9.7
-27.5°	99.9	62.2	39.3	25.8	17.2	9.7	9.7
-30°	102.3	66.1	38.3	25.2	16.8	9.7	9.7
-32.5°	103.6	69.3	39.7	24.5	16.4	9.7	9.7
-35°	106.4	71.8	40.8	23.8	15.9	9.7	9.7
-37.5°	109.2	73.4	41.4	23.1	15.4	9.7	9.7
-40°	110.9	74.0	41.7	22.3	14.9	9.7	9.7
-42.5°	111.5	74.0	42.0	21.8	14.3	9.7	9.7
-45°	111.0	73.5	42.2	21.9	13.7	9.7	9.7
-47.5°	109.3	72.4	42.0	21.8	13.1	9.7	9.7
-50°	107.0	70.7	41.2	21.5	12.5	9.7	9.7
-52.5°	104.0	68.5	39.9	21.1	11.8	9.7	9.7
-55°	100.3	65.7	38.2	20.5	11.1	9.7	9.7
-57.5°	95.8	62.1	36.1	19.8	10.4	9.7	9.7
-60°	90.5	57.9	33.6	18.9	9.7	9.7	9.7
-62.5°	83.3	53.0	31.7	17.9	9.7	9.7	9.7
-65°	75.1	47.5	29.7	16.7	9.7	9.7	9.7
-67.5°	66.0	42.7	27.4	15.4	9.7	9.7	9.7
-70°	56.3	38.8	24.9	14.0	9.7	9.7	9.7
-72.5°	49.7	34.6	22.2	13.7	9.7	9.7	9.7
-75°	43.3	30.1	19.3	13.6	9.7	9.7	9.7
-77.5°	36.5	25.4	18.3	13.4	9.7	9.7	9.7
-80°	29.5	22.9	17.7	13.2	9.7	9.7	9.7
-82.5°	26.7	21.5	16.9	13.0	9.7	9.7	9.7
-85°	24.3	20.1	16.2	12.7	9.7	9.7	9.7
-87.5°	21.9	18.5	15.4	12.4	9.7	9.7	9.7
-90°	9.7	9.7	9.7	9.7	9.7	9.7	9.7

(END OF REPORT)