

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



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645575 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA6D-730-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645575 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/4/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA6D-730-U-LAM-VSR-XX  
Description: GALLEON FLOOD, SIX LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (96) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

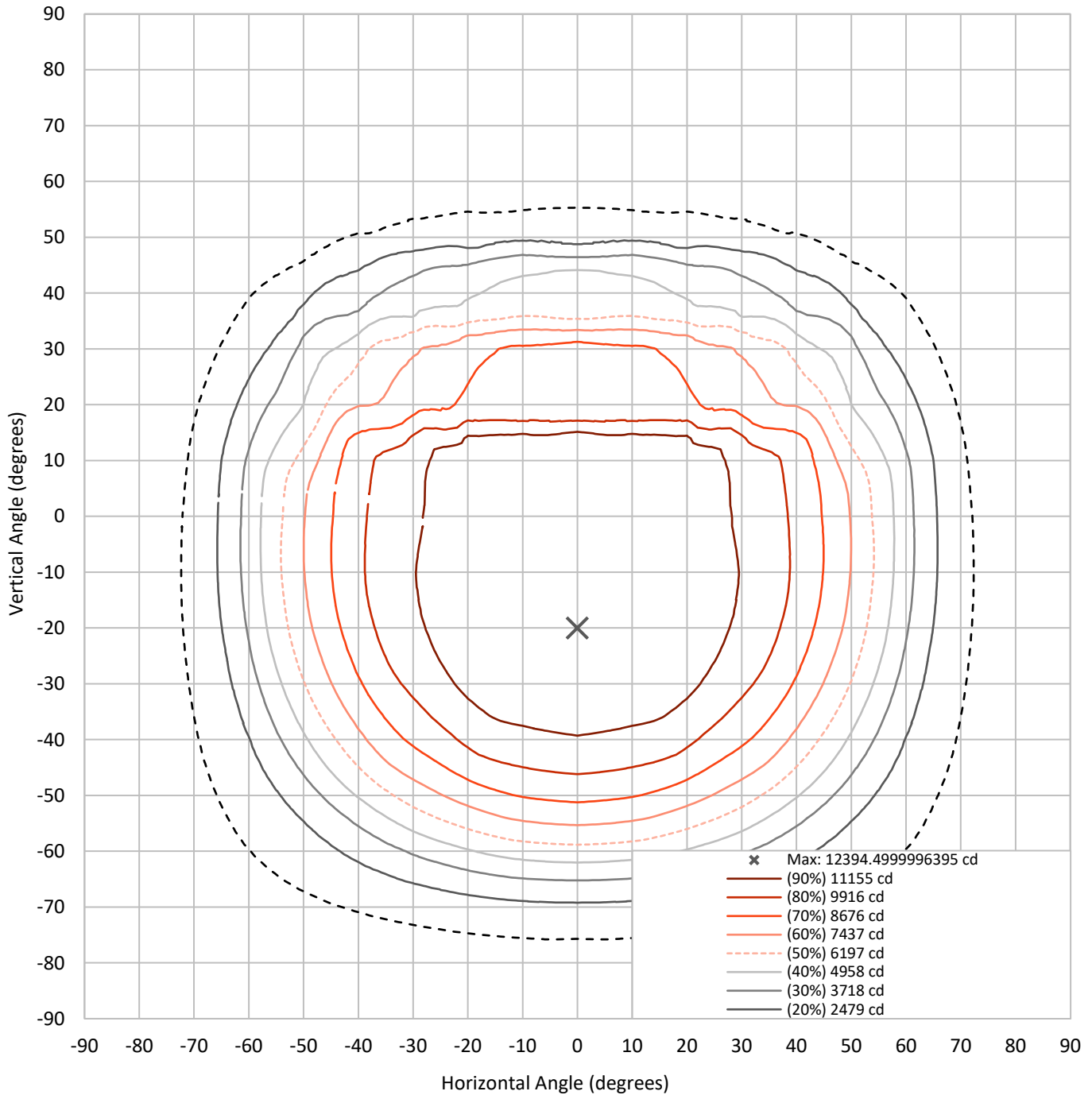
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	29062.7 lumens	Max Intensity:	12394.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	89.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	22719.5 lumens	Field Lumens:	28485.6 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
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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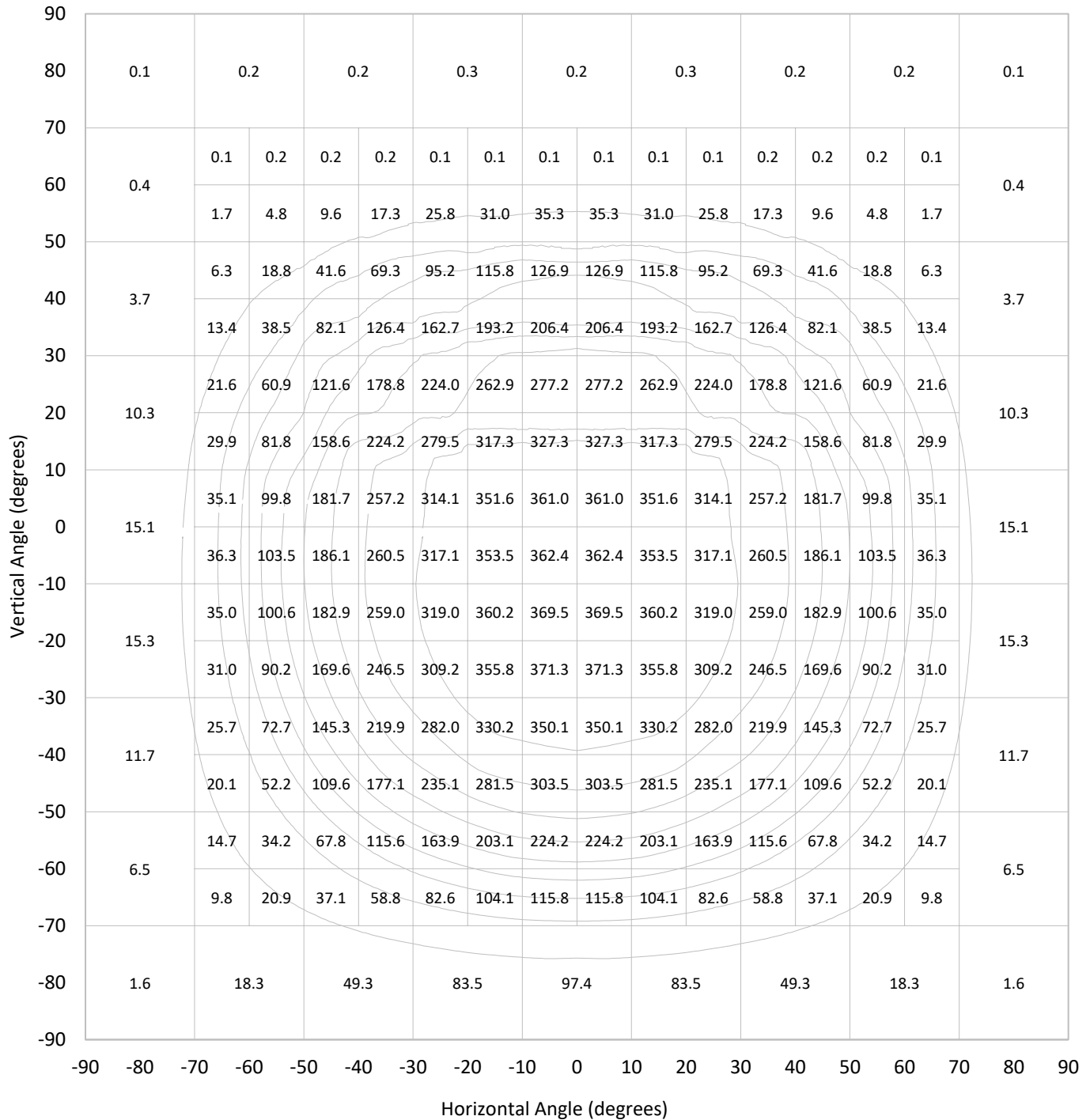
### Iso-Candela Plot





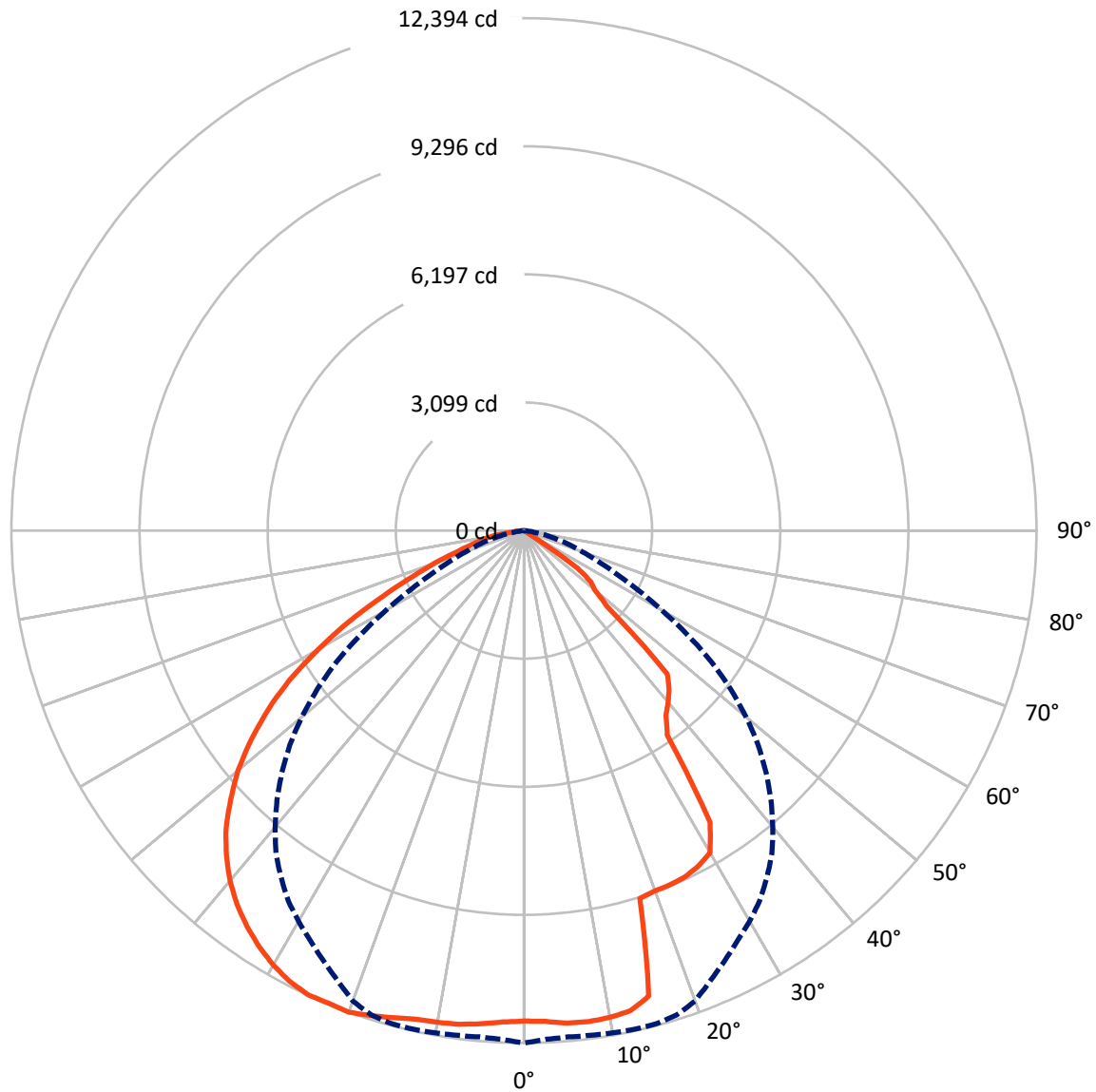
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### Lumen Table



REPORT NUMBER: P645575 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA6D-730-U-LAM-VSR-XX

### Luminous Intensity Polar Plot

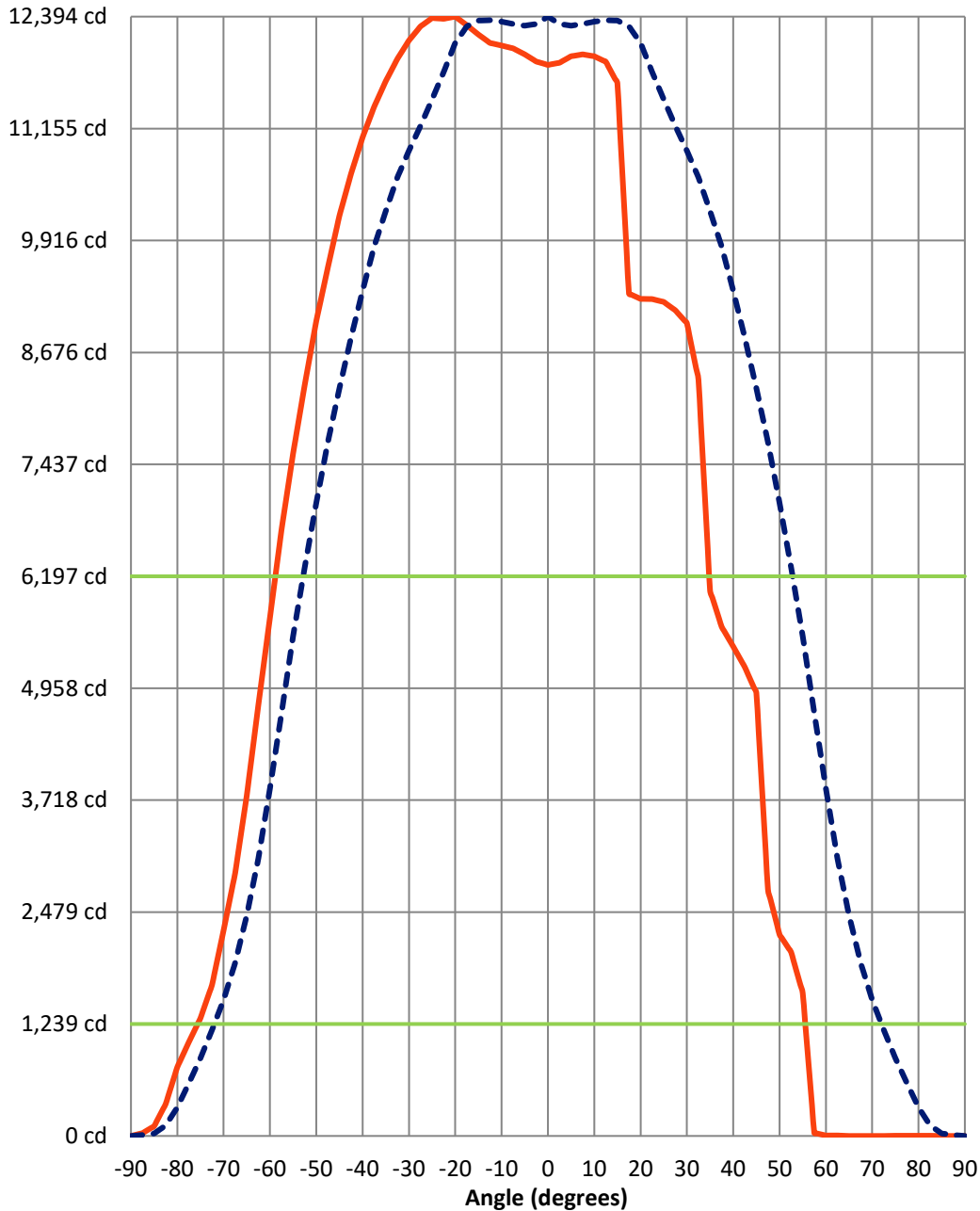


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through -20-Deg



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 22719.5  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 28485.6  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 577.1  
 Efficiency: 2.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-Deg

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Scaled Data Report



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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	0.3	0.5	0.7	0.9	1.1	1.4	1.4	1.4	1.3	1.1
85°	0.0	0.6	0.9	1.4	1.8	2.3	2.7	2.8	2.7	2.5	2.2
82.5°	0.0	0.9	1.4	2.1	2.8	3.4	4.1	4.2	4.0	3.3	2.7
80°	0.0	1.1	1.9	2.8	3.7	4.6	5.3	4.7	4.0	3.4	2.7
77.5°	0.0	1.4	2.3	3.4	4.6	5.4	5.3	4.7	4.1	3.4	2.7
75°	0.0	1.7	2.8	4.1	5.3	5.5	5.4	4.8	4.1	3.5	2.8
72.5°	0.0	2.0	3.3	4.8	5.6	5.7	5.4	4.8	4.2	3.5	2.9
70°	0.0	2.3	3.7	5.3	5.8	5.9	5.6	4.9	4.3	3.7	4.2
67.5°	0.0	2.6	4.2	5.6	6.1	6.1	6.2	5.0	4.4	5.9	6.0
65°	0.0	2.8	4.7	5.9	6.4	7.0	7.1	5.0	7.0	8.3	10.4
62.5°	0.0	3.1	5.2	6.1	6.6	8.7	8.3	7.1	9.8	14.5	23.1
60°	0.0	3.4	5.6	6.4	6.9	10.6	9.8	10.0	12.7	36.7	40.0
57.5°	0.0	3.7	5.9	6.7	9.0	12.7	18.1	14.1	36.0	62.4	72.5
55°	0.0	3.9	6.2	6.9	11.2	15.0	28.9	22.8	66.7	96.4	117.4
52.5°	0.0	4.2	6.5	7.2	13.5	19.3	41.4	58.0	100.2	151.2	170.3
50°	0.0	4.4	6.8	7.5	15.9	32.9	55.8	98.0	143.3	212.2	266.0
47.5°	0.0	4.7	7.1	8.2	18.5	47.5	75.1	139.9	206.5	279.4	363.8
45°	0.0	4.9	7.5	10.2	21.1	63.1	113.3	183.7	277.1	364.1	458.8
42.5°	0.0	5.2	7.8	12.3	23.8	79.8	152.4	239.3	349.1	446.7	568.3
40°	0.0	5.4	8.1	14.8	32.1	97.4	192.3	302.6	423.1	527.6	685.5
37.5°	0.0	5.6	8.5	18.0	45.9	116.0	233.1	366.0	500.8	624.9	807.9
35°	0.0	5.9	8.8	21.6	59.9	144.1	274.5	429.3	579.8	744.4	952.5
32.5°	0.0	6.1	9.1	25.4	74.1	176.7	319.3	492.5	659.7	864.6	1128.5
30°	0.0	6.3	9.5	29.6	88.4	209.1	370.6	556.2	740.3	985.1	1297.3
27.5°	0.0	6.5	9.8	34.1	106.1	241.1	420.9	622.6	828.9	1105.3	1458.6
25°	0.0	6.7	10.2	38.8	124.2	272.6	470.0	688.2	928.9	1236.7	1612.4
22.5°	0.0	6.8	10.5	43.7	142.2	304.7	517.6	752.8	1026.9	1368.0	1768.1
20°	0.0	7.0	10.9	48.8	160.1	339.1	563.6	816.0	1122.3	1491.9	1920.0
17.5°	0.0	7.2	11.2	53.9	177.7	372.4	609.2	877.5	1214.7	1608.1	2067.2
15°	0.0	7.3	11.5	59.1	194.9	404.5	653.0	934.6	1303.5	1716.6	2208.5
12.5°	0.0	7.4	11.8	64.2	211.5	435.0	693.9	985.5	1374.3	1817.0	2343.0
10°	0.0	7.6	12.1	69.3	227.3	463.8	731.9	1032.4	1427.1	1877.3	2452.6
7.5°	0.0	7.7	12.4	74.2	242.3	490.8	766.8	1075.1	1472.1	1923.9	2516.5
5°	0.0	7.8	12.7	78.9	256.3	515.7	798.5	1113.6	1509.6	1961.6	2568.5
2.5°	0.0	7.8	13.0	83.3	269.1	538.2	827.0	1147.7	1540.0	1990.6	2608.3
0°	0.0	7.9	13.2	87.3	280.5	558.3	852.1	1177.5	1563.9	2011.1	2635.6
-2.5°	0.0	8.4	15.3	93.0	291.2	571.0	864.6	1194.8	1572.5	2037.0	2653.4
-5°	0.0	8.8	17.3	98.2	300.3	581.1	873.7	1207.6	1575.4	2053.9	2659.0
-7.5°	0.0	9.2	19.3	102.9	307.7	588.4	879.5	1215.5	1573.2	2060.7	2653.1
-10°	0.0	9.6	21.2	107.0	313.3	593.0	882.1	1218.5	1566.5	2056.7	2636.3
-12.5°	0.0	10.0	23.0	110.4	317.0	594.9	881.7	1216.5	1555.7	2040.1	2607.3
-15°	0.0	10.3	24.7	113.1	318.8	594.0	878.2	1209.3	1543.3	2007.8	2565.4
-17.5°	0.0	10.6	26.3	115.1	318.6	590.5	871.8	1194.7	1528.3	1967.3	2510.7
-20°	0.0	10.8	27.8	116.3	316.3	584.2	861.8	1173.9	1507.0	1919.2	2443.4



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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°	0.0	11.0	29.1	116.6	311.9	575.3	847.4	1148.9	1479.1	1863.6	2363.3
-25°	0.0	11.2	30.3	116.1	305.2	561.5	829.7	1119.9	1444.8	1801.1	2270.7
-27.5°	0.0	11.4	31.3	114.7	296.3	544.2	808.6	1086.9	1403.8	1740.5	2188.6
-30°	0.0	11.4	32.1	112.3	285.2	524.6	784.2	1050.2	1359.0	1689.3	2101.0
-32.5°	0.0	11.5	32.7	109.0	272.3	502.7	756.6	1016.2	1311.5	1630.1	2007.3
-35°	0.0	11.5	33.2	104.8	257.8	478.5	726.6	980.4	1260.1	1563.0	1907.8
-37.5°	0.0	11.4	33.4	99.5	241.9	454.1	694.5	940.8	1205.1	1488.1	1809.6
-40°	0.0	11.3	33.4	93.3	224.6	432.1	659.9	897.5	1146.5	1417.3	1712.6
-42.5°	0.0	11.1	33.2	86.6	211.5	408.4	622.8	850.6	1090.0	1342.5	1608.2
-45°	0.0	10.9	32.9	79.9	202.6	383.3	583.4	802.1	1032.1	1262.8	1500.0
-47.5°	0.0	10.6	32.3	72.1	192.0	356.7	541.8	753.5	970.1	1179.1	1406.4
-50°	0.0	10.3	31.4	69.5	179.9	328.7	507.0	702.5	901.5	1102.4	1308.4
-52.5°	0.0	9.9	30.4	68.1	166.2	299.4	472.2	649.2	835.9	1023.3	1207.8
-55°	0.0	9.5	29.2	66.0	151.0	277.2	436.1	595.4	770.2	942.1	1118.6
-57.5°	0.0	9.0	27.8	63.1	134.3	254.6	398.6	552.6	702.1	864.2	1027.4
-60°	0.0	8.5	26.2	59.6	116.8	230.0	360.5	505.2	634.0	785.6	936.2
-62.5°	0.0	8.0	24.6	55.3	108.5	203.4	325.7	453.7	571.0	704.7	847.0
-65°	0.0	7.4	22.9	50.5	99.1	175.1	288.4	400.3	504.2	623.6	755.6
-67.5°	0.0	6.8	21.0	45.0	88.5	151.3	248.7	347.3	433.9	539.0	656.9
-70°	0.0	6.1	19.0	39.1	77.0	132.4	206.9	293.0	370.9	450.4	551.9
-72.5°	0.0	5.4	16.9	34.4	64.6	112.1	175.0	237.5	306.8	377.1	448.3
-75°	0.0	4.7	14.7	29.9	51.4	90.5	143.1	191.4	241.5	302.8	364.9
-77.5°	0.0	3.9	12.4	25.2	42.4	67.9	109.5	147.9	187.8	231.0	280.2
-80°	0.0	3.2	10.0	20.4	34.3	51.7	74.7	103.6	134.5	167.9	203.8
-82.5°	0.0	2.4	7.5	15.4	25.9	39.1	54.9	66.5	80.3	103.9	129.3
-85°	0.0	1.6	5.1	10.3	17.4	26.2	36.8	44.4	52.4	60.6	69.2
-87.5°	0.0	0.8	2.5	5.2	8.7	13.2	18.5	22.3	26.2	30.3	34.6
-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°	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.8	1.9	2.0	2.1
85°	2.4	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
75°	2.6	2.6	2.8	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6
72.5°	3.0	3.4	3.3	2.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6
70°	4.1	4.3	3.7	3.0	2.6	2.7	3.0	2.9	2.6	2.6	2.6
67.5°	5.1	4.5	3.8	3.6	3.6	4.0	3.9	3.2	2.6	2.6	2.7
65°	5.2	4.6	6.6	7.5	5.5	4.7	4.0	3.4	3.6	3.8	3.8
62.5°	7.9	9.9	12.6	22.4	16.7	4.9	8.7	10.3	7.6	6.3	6.7
60°	25.8	17.6	52.1	74.7	46.7	17.1	20.8	69.1	59.9	11.1	37.4
57.5°	54.3	74.5	137.4	139.8	96.7	66.8	194.1	224.2	169.7	99.1	151.5
55°	119.6	183.8	227.8	210.8	230.2	348.7	414.3	372.2	313.3	481.9	615.7
52.5°	233.7	299.3	314.1	360.7	516.2	593.1	568.3	607.8	788.2	978.9	1020.2
50°	345.0	398.6	440.4	636.7	758.5	766.2	822.7	1001.4	1242.1	1358.7	1330.5
47.5°	452.6	508.2	702.6	891.3	946.0	1020.9	1162.3	1507.2	1762.1	1767.1	1738.3
45°	566.4	714.6	962.9	1085.9	1174.7	1319.6	1660.9	2136.8	2161.5	2230.6	2655.9
42.5°	688.1	947.8	1164.4	1292.4	1435.7	1706.2	2161.7	2473.8	2581.2	2883.9	3225.9
40°	885.2	1173.1	1362.3	1525.9	1710.2	2104.7	2603.7	2896.1	2983.4	3245.4	3502.5
37.5°	1085.1	1361.2	1573.3	1770.6	2026.1	2558.6	3135.8	3377.0	3421.1	3469.0	4038.7
35°	1277.7	1554.1	1808.0	2066.3	2379.5	3146.1	3650.6	3877.4	3870.4	4193.7	4790.3
32.5°	1457.8	1751.3	2051.0	2396.4	2913.3	3698.6	4203.3	4339.1	4545.0	5015.7	5829.9
30°	1637.6	1971.3	2315.4	2726.9	3381.7	4062.4	4638.5	4857.0	5210.0	5747.1	6339.7
27.5°	1822.8	2196.9	2612.9	3095.2	3751.3	4377.1	4869.2	5391.3	5734.2	6215.5	6637.0
25°	2007.2	2435.6	2906.8	3417.1	4015.6	4598.8	5107.8	5710.7	6078.9	6466.9	6860.2
22.5°	2200.6	2677.7	3209.8	3672.2	4238.4	4787.3	5393.2	6047.2	6525.9	6772.5	7036.5
20°	2402.8	2939.6	3507.2	4019.4	4458.3	4962.3	5679.7	6474.3	7092.4	7369.8	7406.0
17.5°	2602.0	3193.4	3803.6	4358.2	4831.5	5280.2	5980.6	6986.1	7754.6	8012.6	8127.3
15°	2796.4	3437.5	4098.5	4687.9	5207.5	5756.1	6504.1	7526.5	8405.2	8690.6	8871.1
12.5°	2984.0	3670.3	4388.5	5006.7	5583.7	6199.1	6979.4	7915.4	8717.4	9269.6	9600.8
10°	3162.7	3890.1	4670.0	5312.6	5955.7	6610.0	7372.8	8205.1	8857.9	9390.5	9860.7
7.5°	3252.9	4033.7	4911.9	5603.9	6318.3	6989.7	7694.8	8409.3	8959.2	9481.6	9936.1
5°	3314.2	4092.7	4987.4	5705.3	6510.9	7243.0	7927.6	8543.4	9025.3	9543.0	9987.0
2.5°	3357.9	4130.9	5038.6	5760.8	6583.3	7320.9	7994.7	8588.3	9079.8	9587.0	10041.7
0°	3384.4	4149.1	5064.7	5795.0	6628.6	7372.1	8033.7	8605.3	9116.0	9608.1	10097.7
-2.5°	3399.4	4204.6	5082.1	5882.8	6672.4	7416.3	8088.2	8646.1	9179.8	9648.1	10139.0
-5°	3397.5	4237.8	5077.5	5941.8	6693.3	7433.5	8115.5	8664.6	9214.4	9678.2	10155.7
-7.5°	3379.1	4245.4	5054.6	5960.4	6694.2	7427.7	8103.5	8673.5	9213.9	9705.6	10157.3
-10°	3346.2	4215.5	5033.4	5912.5	6668.5	7397.6	8066.9	8654.0	9192.3	9700.1	10148.5
-12.5°	3307.4	4153.6	4989.3	5843.7	6616.3	7341.3	8011.4	8604.5	9152.1	9658.5	10128.2
-15°	3249.2	4071.3	4916.8	5756.2	6536.9	7259.5	7939.3	8523.6	9090.0	9586.0	10068.2
-17.5°	3171.0	3969.3	4814.8	5652.4	6429.9	7152.7	7846.8	8416.8	8980.5	9493.0	9958.4
-20°	3072.4	3848.5	4682.3	5534.5	6294.1	7009.2	7681.7	8278.6	8838.7	9360.0	9849.0



REPORT NUMBER: P645575 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-730-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2953.3	3709.6	4522.8	5375.3	6124.6	6831.7	7496.1	8102.6	8682.9	9187.1	9708.2
-25°	2833.9	3562.8	4346.4	5155.0	5927.7	6631.8	7298.2	7889.1	8482.2	9006.6	9501.6
-27.5°	2719.6	3392.5	4141.7	4912.3	5704.6	6405.4	7065.7	7657.1	8232.9	8806.2	9282.8
-30°	2591.2	3195.4	3917.3	4653.4	5425.7	6139.1	6804.5	7418.1	7966.0	8532.2	9043.9
-32.5°	2449.7	2986.4	3680.2	4388.4	5116.7	5845.8	6505.0	7114.5	7684.6	8220.0	8757.2
-35°	2311.2	2817.6	3429.1	4103.8	4789.2	5504.6	6164.2	6767.8	7359.5	7889.9	8403.2
-37.5°	2186.7	2634.8	3162.1	3806.6	4461.6	5138.3	5809.1	6393.5	6956.5	7539.7	8040.2
-40°	2051.9	2438.5	2930.9	3500.6	4117.9	4761.4	5403.7	6008.2	6537.5	7113.9	7664.4
-42.5°	1910.8	2278.7	2702.8	3176.6	3759.4	4366.0	4986.1	5577.5	6127.1	6670.8	7216.3
-45°	1787.3	2109.5	2470.7	2903.7	3378.1	3948.7	4535.8	5125.3	5652.7	6170.8	6709.6
-47.5°	1655.8	1939.4	2273.4	2619.2	3031.6	3508.8	4060.8	4604.5	5144.4	5637.4	6114.2
-50°	1525.0	1786.3	2060.8	2372.1	2712.4	3099.2	3557.7	4063.1	4556.3	5062.4	5534.7
-52.5°	1412.1	1625.3	1873.3	2133.1	2424.4	2744.4	3111.8	3526.9	3975.4	4405.0	4876.1
-55°	1295.0	1487.2	1687.4	1916.2	2158.6	2428.6	2729.8	3078.7	3420.9	3818.2	4202.8
-57.5°	1188.3	1350.3	1521.1	1710.0	1920.5	2136.7	2399.9	2671.3	2981.8	3290.6	3595.2
-60°	1087.7	1220.0	1364.9	1524.8	1694.1	1886.4	2082.9	2316.0	2566.1	2812.5	3070.9
-62.5°	986.2	1097.6	1215.6	1348.5	1496.0	1641.4	1809.1	1988.7	2172.8	2381.6	2585.4
-65°	881.9	971.9	1072.0	1182.2	1299.9	1423.7	1552.6	1685.5	1842.1	1995.2	2143.3
-67.5°	771.1	848.1	929.1	1015.9	1114.6	1211.8	1308.8	1421.1	1536.4	1649.7	1767.2
-70°	648.2	720.9	788.4	858.7	932.2	1008.3	1091.2	1173.6	1254.8	1339.7	1434.0
-72.5°	523.3	590.2	649.6	701.5	761.8	825.1	885.7	943.5	1004.8	1069.2	1133.0
-75°	417.4	461.5	514.6	563.0	611.0	655.5	695.5	744.6	795.7	842.6	881.1
-77.5°	325.8	365.9	402.2	434.6	472.8	517.5	556.5	589.9	622.4	657.8	695.4
-80°	237.0	270.3	303.4	333.4	355.4	380.6	410.5	444.6	474.2	498.3	520.3
-82.5°	153.0	177.1	201.7	226.7	236.9	243.8	250.4	262.2	280.5	298.6	315.9
-85°	76.3	83.2	98.3	113.6	119.0	122.7	125.2	126.6	132.8	138.6	143.6
-87.5°	38.2	41.7	45.1	48.6	46.8	44.3	41.2	37.5	36.6	35.5	34.1
-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: P645575 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-730-U-LAM-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°	2.1	2.2	2.3	2.3	2.4	1.8	1.2	0.6	0.0	0.0	0.0
85°	2.6	2.6	2.6	2.6	2.6	2.5	2.4	2.4	2.4	1.9	1.3
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
75°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
72.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
70°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
67.5°	2.8	2.6	2.6	2.6	2.7	2.6	2.6	2.6	2.6	2.3	1.7
65°	3.7	3.6	3.8	3.7	3.2	3.1	3.3	3.2	2.9	2.3	1.6
62.5°	6.7	7.5	5.9	5.8	5.7	5.6	5.3	5.0	4.7	4.5	4.6
60°	41.5	24.5	14.3	16.7	15.0	10.0	12.7	14.9	15.1	13.8	12.2
57.5°	230.0	171.7	127.1	303.6	304.5	145.4	175.1	275.3	226.7	74.4	69.1
55°	639.8	765.3	1007.2	956.7	972.2	1118.3	1221.1	1081.0	1059.8	1129.3	1304.5
52.5°	1149.5	1269.1	1350.5	1426.6	1519.3	1618.9	1721.5	1786.8	1847.8	1912.8	1951.5
50°	1468.0	1636.5	1752.2	1709.6	1949.4	2047.5	1947.9	2036.9	2145.5	2175.3	2189.3
47.5°	2167.6	2414.7	2463.8	2623.0	2766.0	2762.9	2641.4	2648.5	2971.8	3257.0	3397.1
45°	3115.1	3123.5	3278.9	3560.0	3760.9	3697.7	3867.3	4252.8	4381.2	4505.3	4607.1
42.5°	3484.2	3637.2	3885.1	4133.7	4283.5	4413.5	4539.1	4680.8	4847.4	4982.6	5090.6
40°	3841.6	3964.9	4218.8	4419.0	4543.1	4664.5	4810.7	4967.7	5120.2	5239.0	5320.1
37.5°	4391.8	4487.4	4549.2	4735.0	4969.7	4861.4	5139.0	5338.1	5429.0	5549.6	5560.5
35°	5224.1	5160.5	5078.2	5818.0	5862.3	5612.4	5872.0	6180.6	6018.0	6356.7	6538.8
32.5°	5962.0	5952.4	6598.2	6987.1	6763.3	6946.0	7544.5	7517.9	7916.8	8102.0	8049.2
30°	6657.1	6894.3	7267.8	7557.4	7596.2	7884.2	8149.9	8382.8	8623.6	8839.5	8854.3
27.5°	7010.0	7319.5	7573.0	7740.6	7927.6	8170.0	8411.2	8673.4	8878.2	9013.5	9046.7
25°	7223.5	7539.6	7731.6	7912.0	8118.5	8327.6	8597.7	8883.2	9047.7	9131.2	9157.9
22.5°	7411.6	7695.8	7902.2	8048.6	8270.7	8495.7	8747.4	8989.2	9168.0	9204.4	9217.8
20°	7592.8	7865.8	8210.5	8425.9	8415.2	8668.6	8911.3	9103.6	9252.5	9251.7	9255.3
17.5°	8116.9	8214.3	8839.8	9314.6	9079.5	8955.5	9622.7	9635.4	9675.0	9596.2	9425.5
15°	8892.8	9070.2	9838.6	10353.4	10191.3	10182.8	11146.5	10907.5	11113.2	11059.4	11290.9
12.5°	9714.7	9924.8	10499.0	11004.5	11245.3	11304.5	11626.4	11928.1	11990.0	11965.5	11920.1
10°	10274.7	10573.9	10804.6	11111.4	11354.3	11602.1	11788.6	12005.2	12076.1	12035.1	11977.1
7.5°	10347.6	10643.3	10914.1	11183.3	11414.7	11614.4	11807.8	11984.2	12056.3	12032.5	11992.7
5°	10393.9	10661.9	10924.4	11197.5	11418.7	11603.7	11796.5	11975.2	12017.8	11989.1	11950.3
2.5°	10422.5	10670.5	10923.5	11195.5	11396.4	11572.6	11767.8	11958.3	11958.0	11945.4	11922.7
0°	10436.4	10685.1	10978.8	11224.9	11449.9	11616.6	11809.7	11995.0	11981.7	11947.3	11907.6
-2.5°	10466.1	10718.1	11017.9	11221.8	11475.4	11628.1	11827.7	11988.2	11982.0	11965.1	11945.4
-5°	10492.6	10776.0	11056.5	11271.0	11525.2	11724.8	11923.2	12048.7	12055.4	12031.9	11998.7
-7.5°	10508.8	10823.0	11090.5	11305.9	11552.5	11784.7	11986.0	12117.6	12120.5	12089.2	12049.6
-10°	10503.4	10835.1	11110.5	11333.1	11585.6	11814.9	12025.3	12192.3	12186.8	12157.0	12123.2
-12.5°	10483.6	10814.9	11097.7	11321.0	11607.7	11843.7	12080.5	12246.5	12255.3	12232.9	12196.4
-15°	10440.0	10782.0	11057.1	11301.0	11582.0	11857.9	12101.1	12284.3	12317.0	12298.6	12269.8
-17.5°	10353.8	10714.8	11006.5	11269.3	11538.9	11833.0	12109.7	12310.0	12354.6	12347.3	12323.3
-20°	10240.5	10613.1	10909.3	11184.6	11478.1	11781.0	12102.9	12286.0	12350.8	12354.9	12338.7

Classified

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

Scaled Data Report



REPORT NUMBER: P645575 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA6D-730-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10113.5	10478.1	10792.3	11063.0	11381.3	11688.0	11979.5	12193.8	12302.7	12322.9	12324.3
-25°	9961.1	10335.8	10647.9	10936.2	11232.2	11549.0	11843.6	12082.8	12193.2	12246.0	12262.3
-27.5°	9745.7	10133.1	10440.2	10744.9	11046.0	11373.2	11682.9	11943.0	12032.8	12105.2	12134.4
-30°	9493.5	9876.6	10189.8	10468.2	10812.7	11146.3	11465.9	11692.9	11828.3	11911.2	11956.5
-32.5°	9203.5	9590.1	9918.9	10209.7	10537.1	10870.6	11171.2	11410.7	11597.3	11693.0	11741.5
-35°	8888.9	9283.7	9627.9	9934.2	10242.4	10560.4	10871.9	11122.3	11335.0	11417.2	11478.0
-37.5°	8509.5	8945.0	9297.9	9613.9	9906.8	10205.6	10530.0	10816.3	11022.9	11102.7	11166.7
-40°	8120.5	8541.4	8897.3	9234.3	9523.9	9850.2	10162.7	10462.8	10642.0	10735.1	10807.5
-42.5°	7709.8	8090.1	8428.4	8755.9	9078.3	9414.3	9726.5	10038.4	10193.4	10305.6	10394.5
-45°	7235.8	7589.6	7918.4	8224.8	8557.2	8887.5	9199.9	9475.6	9660.0	9806.0	9919.5
-47.5°	6603.7	7034.7	7364.9	7656.3	7985.8	8304.5	8607.3	8866.5	9068.8	9239.5	9371.4
-50°	5961.8	6375.4	6747.8	7075.2	7381.0	7675.6	7963.8	8217.4	8431.5	8616.5	8750.1
-52.5°	5329.6	5717.1	6086.7	6424.6	6718.6	6996.7	7260.4	7515.5	7741.2	7939.1	8068.3
-55°	4615.2	5016.7	5382.3	5697.4	5991.1	6266.1	6526.4	6768.3	6990.6	7192.0	7315.9
-57.5°	3945.1	4297.3	4637.4	4928.4	5205.5	5467.4	5714.3	5945.8	6159.7	6349.3	6468.7
-60°	3329.2	3586.0	3878.7	4147.3	4393.0	4615.9	4846.2	5062.1	5258.6	5425.2	5536.5
-62.5°	2784.7	2997.5	3208.9	3413.1	3612.4	3812.7	4005.5	4184.6	4348.7	4485.3	4582.8
-65°	2299.6	2470.6	2623.5	2768.3	2906.3	3064.3	3210.9	3348.7	3476.3	3581.0	3655.3
-67.5°	1893.6	2013.7	2119.4	2218.8	2327.6	2439.3	2543.9	2635.0	2713.0	2775.0	2824.0
-70°	1527.0	1615.4	1695.1	1774.4	1853.8	1926.4	1995.6	2062.7	2126.4	2178.3	2217.2
-72.5°	1195.9	1256.2	1310.5	1371.5	1428.7	1483.8	1531.7	1570.4	1600.4	1629.7	1655.2
-75°	911.7	957.1	1018.3	1069.9	1112.7	1150.4	1185.1	1216.0	1243.1	1267.1	1288.3
-77.5°	733.3	771.8	810.8	848.5	885.0	912.1	937.3	962.5	987.2	1008.5	1027.2
-80°	543.5	572.2	602.3	632.5	662.7	677.7	689.7	700.7	710.6	723.3	735.1
-82.5°	332.3	348.6	365.3	382.2	399.2	403.4	404.9	404.5	402.3	397.7	390.7
-85°	147.8	148.7	148.3	146.6	143.8	138.0	130.8	122.5	113.2	111.7	110.0
-87.5°	32.5	31.8	31.0	30.0	28.8	28.8	28.6	28.4	28.1	29.1	30.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645575 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-730-U-LAM-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	0.6
85°	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.3	1.9	2.4	2.4
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.6	2.6
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
75°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
72.5°	2.6	2.6	1.4	0.0	1.4	2.6	2.6	2.6	2.6	2.6	2.6
70°	2.6	2.6	1.4	0.0	1.4	2.6	2.6	2.6	2.6	2.6	2.6
67.5°	1.0	0.2	0.0	0.0	0.0	0.2	1.0	1.7	2.3	2.6	2.6
65°	0.8	0.1	0.0	0.0	0.0	0.1	0.8	1.6	2.3	2.9	3.2
62.5°	4.9	5.1	5.2	5.3	5.2	5.1	4.9	4.6	4.5	4.7	5.0
60°	9.6	6.3	5.3	5.3	5.3	6.3	9.6	12.2	13.8	15.1	14.9
57.5°	58.5	43.6	37.1	34.4	37.1	43.6	58.5	69.1	74.4	226.7	275.3
55°	1430.0	1502.8	1557.2	1582.4	1557.2	1502.8	1430.0	1304.5	1129.3	1059.8	1081.0
52.5°	1985.6	2017.2	2035.5	2034.9	2035.5	2017.2	1985.6	1951.5	1912.8	1847.8	1786.8
50°	2213.2	2228.6	2234.1	2230.7	2234.1	2228.6	2213.2	2189.3	2175.3	2145.5	2036.9
47.5°	3269.1	2986.1	2778.1	2728.2	2778.1	2986.1	3269.1	3397.1	3257.0	2971.8	2648.5
45°	4655.9	4763.2	4870.1	4903.3	4870.1	4763.2	4655.9	4607.1	4505.3	4381.2	4252.8
42.5°	5136.2	5171.1	5190.9	5191.7	5190.9	5171.1	5136.2	5090.6	4982.6	4847.4	4680.8
40°	5365.4	5398.4	5417.6	5419.3	5417.6	5398.4	5365.4	5320.1	5239.0	5120.2	4967.7
37.5°	5573.6	5601.7	5620.2	5638.9	5620.2	5601.7	5573.6	5560.5	5549.6	5429.0	5338.1
35°	6514.3	6301.2	5994.7	6041.1	5994.7	6301.2	6514.3	6538.8	6356.7	6018.0	6180.6
32.5°	8131.7	8221.3	8277.1	8372.4	8277.1	8221.3	8131.7	8049.2	8102.0	7916.8	7517.9
30°	8878.0	8907.6	8952.4	8999.5	8952.4	8907.6	8878.0	8854.3	8839.5	8623.6	8382.8
27.5°	9064.2	9094.8	9122.1	9142.4	9122.1	9094.8	9064.2	9046.7	9013.5	8878.2	8673.4
25°	9161.7	9180.7	9209.6	9235.0	9209.6	9180.7	9161.7	9157.9	9131.2	9047.7	8883.2
22.5°	9210.0	9212.0	9234.6	9266.8	9234.6	9212.0	9210.0	9217.8	9204.4	9168.0	8989.2
20°	9243.2	9225.2	9248.6	9269.4	9248.6	9225.2	9243.2	9255.3	9251.7	9252.5	9103.6
17.5°	9666.4	9424.9	9325.8	9327.6	9325.8	9424.9	9666.4	9425.5	9596.2	9675.0	9635.4
15°	11031.1	11121.6	11468.7	11656.3	11468.7	11121.6	11031.1	11290.9	11059.4	11113.2	10907.5
12.5°	11911.7	11879.5	11838.2	11894.4	11838.2	11879.5	11911.7	11920.1	11965.5	11990.0	11928.1
10°	11952.4	11948.8	11875.3	11955.3	11875.3	11948.8	11952.4	11977.1	12035.1	12076.1	12005.2
7.5°	11927.4	11929.7	11898.4	11976.4	11898.4	11929.7	11927.4	11992.7	12032.5	12056.3	11984.2
5°	11944.0	11890.2	11910.6	11955.3	11910.6	11890.2	11944.0	11950.3	11989.1	12017.8	11975.2
2.5°	11897.8	11892.2	11852.5	11883.8	11852.5	11892.2	11897.8	11922.7	11945.4	11958.0	11958.3
0°	11862.7	11833.5	11833.5	11860.0	11833.5	11833.5	11862.7	11907.6	11947.3	11981.7	11995.0
-2.5°	11925.2	11919.1	11915.3	11897.1	11915.3	11919.1	11925.2	11945.4	11965.1	11982.0	11988.2
-5°	11976.7	11961.0	11917.6	11976.4	11917.6	11961.0	11976.7	11998.7	12031.9	12055.4	12048.7
-7.5°	12032.0	11991.8	11950.7	12042.6	11950.7	11991.8	12032.0	12049.6	12089.2	12120.5	12117.6
-10°	12082.5	12024.5	11984.4	12074.3	11984.4	12024.5	12082.5	12123.2	12157.0	12186.8	12192.3
-12.5°	12149.3	12081.5	12054.7	12103.4	12054.7	12081.5	12149.3	12196.4	12232.9	12255.3	12246.5
-15°	12220.6	12173.6	12167.3	12196.1	12167.3	12173.6	12220.6	12269.8	12298.6	12317.0	12284.3
-17.5°	12283.2	12250.2	12266.5	12299.3	12266.5	12250.2	12283.2	12323.3	12347.3	12354.6	12310.0
-20°	12313.1	12294.6	12313.0	12394.5	12313.0	12294.6	12313.1	12338.7	12354.9	12350.8	12286.0



REPORT NUMBER: P645575 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	12310.5	12311.7	12344.1	12370.7	12344.1	12311.7	12310.5	12324.3	12322.9	12302.7	12193.8
-25°	12263.5	12288.3	12325.5	12378.6	12325.5	12288.3	12263.5	12262.3	12246.0	12193.2	12082.8
-27.5°	12150.3	12191.4	12230.2	12286.0	12230.2	12191.4	12150.3	12134.4	12105.2	12032.8	11943.0
-30°	11986.4	12035.3	12070.0	12129.9	12070.0	12035.3	11986.4	11956.5	11911.2	11828.3	11692.9
-32.5°	11787.1	11842.5	11883.4	11926.2	11883.4	11842.5	11787.1	11741.5	11693.0	11597.3	11410.7
-35°	11537.9	11597.5	11641.1	11680.1	11641.1	11597.5	11537.9	11478.0	11417.2	11335.0	11122.3
-37.5°	11238.5	11302.8	11352.4	11396.9	11352.4	11302.8	11238.5	11166.7	11102.7	11022.9	10816.3
-40°	10889.7	10955.6	11008.5	11058.2	11008.5	10955.6	10889.7	10807.5	10735.1	10642.0	10462.8
-42.5°	10481.9	10548.4	10603.1	10653.4	10603.1	10548.4	10481.9	10394.5	10305.6	10193.4	10038.4
-45°	10011.0	10079.5	10137.3	10190.3	10137.3	10079.5	10011.0	9919.5	9806.0	9660.0	9475.6
-47.5°	9468.6	9541.9	9591.3	9616.1	9591.3	9541.9	9468.6	9371.4	9239.5	9068.8	8866.5
-50°	8846.9	8920.1	8979.5	9023.3	8979.5	8920.1	8846.9	8750.1	8616.5	8431.5	8217.4
-52.5°	8162.6	8232.3	8283.3	8314.2	8283.3	8232.3	8162.6	8068.3	7939.1	7741.2	7515.5
-55°	7413.3	7486.3	7534.7	7557.4	7534.7	7486.3	7413.3	7315.9	7192.0	6990.6	6768.3
-57.5°	6563.4	6632.8	6684.2	6713.3	6684.2	6632.8	6563.4	6468.7	6349.3	6159.7	5945.8
-60°	5623.2	5685.2	5724.2	5739.5	5724.2	5685.2	5623.2	5536.5	5425.2	5258.6	5062.1
-62.5°	4661.4	4720.2	4756.8	4771.0	4756.8	4720.2	4661.4	4582.8	4485.3	4348.7	4184.6
-65°	3710.7	3747.5	3767.8	3770.8	3767.8	3747.5	3710.7	3655.3	3581.0	3476.3	3348.7
-67.5°	2862.7	2890.7	2907.7	2913.4	2907.7	2890.7	2862.7	2824.0	2775.0	2713.0	2635.0
-70°	2246.2	2265.5	2276.4	2278.3	2276.4	2265.5	2246.2	2217.2	2178.3	2126.4	2062.7
-72.5°	1674.7	1688.5	1683.7	1672.4	1683.7	1688.5	1674.7	1655.2	1629.7	1600.4	1570.4
-75°	1306.5	1321.7	1315.3	1304.5	1315.3	1321.7	1306.5	1288.3	1267.1	1243.1	1216.0
-77.5°	1043.6	1057.5	1050.7	1039.9	1050.7	1057.5	1043.6	1027.2	1008.5	987.2	962.5
-80°	745.3	753.4	759.2	762.1	759.2	753.4	745.3	735.1	723.3	710.6	700.7
-82.5°	381.5	370.3	363.2	354.6	363.2	370.3	381.5	390.7	397.7	402.3	404.5
-85°	107.8	105.3	107.0	108.5	107.0	105.3	107.8	110.0	111.7	113.2	122.5
-87.5°	30.9	31.7	31.8	31.8	31.8	31.7	30.9	30.0	29.1	28.1	28.4
-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	1.8	2.4	2.3	2.3	2.2	2.1	2.1	2.0	1.9	1.8
85°	2.4	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
75°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
72.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
70°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.9
67.5°	2.6	2.6	2.7	2.6	2.6	2.6	2.8	2.7	2.6	2.6	3.2
65°	3.3	3.1	3.2	3.7	3.8	3.6	3.7	3.8	3.8	3.6	3.4
62.5°	5.3	5.6	5.7	5.8	5.9	7.5	6.7	6.7	6.3	7.6	10.3
60°	12.7	10.0	15.0	16.7	14.3	24.5	41.5	37.4	11.1	59.9	69.1
57.5°	175.1	145.4	304.5	303.6	127.1	171.7	230.0	151.5	99.1	169.7	224.2
55°	1221.1	1118.3	972.2	956.7	1007.2	765.3	639.8	615.7	481.9	313.3	372.2
52.5°	1721.5	1618.9	1519.3	1426.6	1350.5	1269.1	1149.5	1020.2	978.9	788.2	607.8
50°	1947.9	2047.5	1949.4	1709.6	1752.2	1636.5	1468.0	1330.5	1358.7	1242.1	1001.4
47.5°	2641.4	2762.9	2766.0	2623.0	2463.8	2414.7	2167.6	1738.3	1767.1	1762.1	1507.2
45°	3867.3	3697.7	3760.9	3560.0	3278.9	3123.5	3115.1	2655.9	2230.6	2161.5	2136.8
42.5°	4539.1	4413.5	4283.5	4133.7	3885.1	3637.2	3484.2	3225.9	2883.9	2581.2	2473.8
40°	4810.7	4664.5	4543.1	4419.0	4218.8	3964.9	3841.6	3502.5	3245.4	2983.4	2896.1
37.5°	5139.0	4861.4	4969.7	4735.0	4549.2	4487.4	4391.8	4038.7	3469.0	3421.1	3377.0
35°	5872.0	5612.4	5862.3	5818.0	5078.2	5160.5	5224.1	4790.3	4193.7	3870.4	3877.4
32.5°	7544.5	6946.0	6763.3	6987.1	6598.2	5952.4	5962.0	5829.9	5015.7	4545.0	4339.1
30°	8149.9	7884.2	7596.2	7557.4	7267.8	6894.3	6657.1	6339.7	5747.1	5210.0	4857.0
27.5°	8411.2	8170.0	7927.6	7740.6	7573.0	7319.5	7010.0	6637.0	6215.5	5734.2	5391.3
25°	8597.7	8327.6	8118.5	7912.0	7731.6	7539.6	7223.5	6860.2	6466.9	6078.9	5710.7
22.5°	8747.4	8495.7	8270.7	8048.6	7902.2	7695.8	7411.6	7036.5	6772.5	6525.9	6047.2
20°	8911.3	8668.6	8415.2	8425.9	8210.5	7865.8	7592.8	7406.0	7369.8	7092.4	6474.3
17.5°	9622.7	8955.5	9079.5	9314.6	8839.8	8214.3	8116.9	8127.3	8012.6	7754.6	6986.1
15°	11146.5	10182.8	10191.3	10353.4	9838.6	9070.2	8892.8	8871.1	8690.6	8405.2	7526.5
12.5°	11626.4	11304.5	11245.3	11004.5	10499.0	9924.8	9714.7	9600.8	9269.6	8717.4	7915.4
10°	11788.6	11602.1	11354.3	11111.4	10804.6	10573.9	10274.7	9860.7	9390.5	8857.9	8205.1
7.5°	11807.8	11614.4	11414.7	11183.3	10914.1	10643.3	10347.6	9936.1	9481.6	8959.2	8409.3
5°	11796.5	11603.7	11418.7	11197.5	10924.4	10661.9	10393.9	9987.0	9543.0	9025.3	8543.4
2.5°	11767.8	11572.6	11396.4	11195.5	10923.5	10670.5	10422.5	10041.7	9587.0	9079.8	8588.3
0°	11809.7	11616.6	11449.9	11224.9	10978.8	10685.1	10436.4	10097.7	9608.1	9116.0	8605.3
-2.5°	11827.7	11628.1	11475.4	11221.8	11017.9	10718.1	10466.1	10139.0	9648.1	9179.8	8646.1
-5°	11923.2	11724.8	11525.2	11271.0	11056.5	10776.0	10492.6	10155.7	9678.2	9214.4	8664.6
-7.5°	11986.0	11784.7	11552.5	11305.9	11090.5	10823.0	10508.8	10157.3	9705.6	9213.9	8673.5
-10°	12025.3	11814.9	11585.6	11333.1	11110.5	10835.1	10503.4	10148.5	9700.1	9192.3	8654.0
-12.5°	12080.5	11843.7	11607.7	11321.0	11097.7	10814.9	10483.6	10128.2	9658.5	9152.1	8604.5
-15°	12101.1	11857.9	11582.0	11301.0	11057.1	10782.0	10440.0	10068.2	9586.0	9090.0	8523.6
-17.5°	12109.7	11833.0	11538.9	11269.3	11006.5	10714.8	10353.8	9958.4	9493.0	8980.5	8416.8
-20°	12102.9	11781.0	11478.1	11184.6	10909.3	10613.1	10240.5	9849.0	9360.0	8838.7	8278.6



REPORT NUMBER: P645575 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	11979.5	11688.0	11381.3	11063.0	10792.3	10478.1	10113.5	9708.2	9187.1	8682.9	8102.6
-25°	11843.6	11549.0	11232.2	10936.2	10647.9	10335.8	9961.1	9501.6	9006.6	8482.2	7889.1
-27.5°	11682.9	11373.2	11046.0	10744.9	10440.2	10133.1	9745.7	9282.8	8806.2	8232.9	7657.1
-30°	11465.9	11146.3	10812.7	10468.2	10189.8	9876.6	9493.5	9043.9	8532.2	7966.0	7418.1
-32.5°	11171.2	10870.6	10537.1	10209.7	9918.9	9590.1	9203.5	8757.2	8220.0	7684.6	7114.5
-35°	10871.9	10560.4	10242.4	9934.2	9627.9	9283.7	8888.9	8403.2	7889.9	7359.5	6767.8
-37.5°	10530.0	10205.6	9906.8	9613.9	9297.9	8945.0	8509.5	8040.2	7539.7	6956.5	6393.5
-40°	10162.7	9850.2	9523.9	9234.3	8897.3	8541.4	8120.5	7664.4	7113.9	6537.5	6008.2
-42.5°	9726.5	9414.3	9078.3	8755.9	8428.4	8090.1	7709.8	7216.3	6670.8	6127.1	5577.5
-45°	9199.9	8887.5	8557.2	8224.8	7918.4	7589.6	7235.8	6709.6	6170.8	5652.7	5125.3
-47.5°	8607.3	8304.5	7985.8	7656.3	7364.9	7034.7	6603.7	6114.2	5637.4	5144.4	4604.5
-50°	7963.8	7675.6	7381.0	7075.2	6747.8	6375.4	5961.8	5534.7	5062.4	4556.3	4063.1
-52.5°	7260.4	6996.7	6718.6	6424.6	6086.7	5717.1	5329.6	4876.1	4405.0	3975.4	3526.9
-55°	6526.4	6266.1	5991.1	5697.4	5382.3	5016.7	4615.2	4202.8	3818.2	3420.9	3078.7
-57.5°	5714.3	5467.4	5205.5	4928.4	4637.4	4297.3	3945.1	3595.2	3290.6	2981.8	2671.3
-60°	4846.2	4615.9	4393.0	4147.3	3878.7	3586.0	3329.2	3070.9	2812.5	2566.1	2316.0
-62.5°	4005.5	3812.7	3612.4	3413.1	3208.9	2997.5	2784.7	2585.4	2381.6	2172.8	1988.7
-65°	3210.9	3064.3	2906.3	2768.3	2623.5	2470.6	2299.6	2143.3	1995.2	1842.1	1685.5
-67.5°	2543.9	2439.3	2327.6	2218.8	2119.4	2013.7	1893.6	1767.2	1649.7	1536.4	1421.1
-70°	1995.6	1926.4	1853.8	1774.4	1695.1	1615.4	1527.0	1434.0	1339.7	1254.8	1173.6
-72.5°	1531.7	1483.8	1428.7	1371.5	1310.5	1256.2	1195.9	1133.0	1069.2	1004.8	943.5
-75°	1185.1	1150.4	1112.7	1069.9	1018.3	957.1	911.7	881.1	842.6	795.7	744.6
-77.5°	937.3	912.1	885.0	848.5	810.8	771.8	733.3	695.4	657.8	622.4	589.9
-80°	689.7	677.7	662.7	632.5	602.3	572.2	543.5	520.3	498.3	474.2	444.6
-82.5°	404.9	403.4	399.2	382.2	365.3	348.6	332.3	315.9	298.6	280.5	262.2
-85°	130.8	138.0	143.8	146.6	148.3	148.7	147.8	143.6	138.6	132.8	126.6
-87.5°	28.6	28.8	28.8	30.0	31.0	31.8	32.5	34.1	35.5	36.6	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





REPORT NUMBER: P645575 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-730-U-LAM-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°	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.3	1.4	1.4
85°	2.6	2.6	2.6	2.6	2.6	2.6	2.4	2.2	2.5	2.7	2.8
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	3.3	4.0	4.2
80°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	3.4	4.0	4.7
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	3.4	4.1	4.7
75°	2.6	2.6	2.6	2.7	2.8	2.6	2.6	2.8	3.5	4.1	4.8
72.5°	2.6	2.6	2.6	2.9	3.3	3.4	3.0	2.9	3.5	4.2	4.8
70°	3.0	2.7	2.6	3.0	3.7	4.3	4.1	4.2	3.7	4.3	4.9
67.5°	3.9	4.0	3.6	3.6	3.8	4.5	5.1	6.0	5.9	4.4	5.0
65°	4.0	4.7	5.5	7.5	6.6	4.6	5.2	10.4	8.3	7.0	5.0
62.5°	8.7	4.9	16.7	22.4	12.6	9.9	7.9	23.1	14.5	9.8	7.1
60°	20.8	17.1	46.7	74.7	52.1	17.6	25.8	40.0	36.7	12.7	10.0
57.5°	194.1	66.8	96.7	139.8	137.4	74.5	54.3	72.5	62.4	36.0	14.1
55°	414.3	348.7	230.2	210.8	227.8	183.8	119.6	117.4	96.4	66.7	22.8
52.5°	568.3	593.1	516.2	360.7	314.1	299.3	233.7	170.3	151.2	100.2	58.0
50°	822.7	766.2	758.5	636.7	440.4	398.6	345.0	266.0	212.2	143.3	98.0
47.5°	1162.3	1020.9	946.0	891.3	702.6	508.2	452.6	363.8	279.4	206.5	139.9
45°	1660.9	1319.6	1174.7	1085.9	962.9	714.6	566.4	458.8	364.1	277.1	183.7
42.5°	2161.7	1706.2	1435.7	1292.4	1164.4	947.8	688.1	568.3	446.7	349.1	239.3
40°	2603.7	2104.7	1710.2	1525.9	1362.3	1173.1	885.2	685.5	527.6	423.1	302.6
37.5°	3135.8	2558.6	2026.1	1770.6	1573.3	1361.2	1085.1	807.9	624.9	500.8	366.0
35°	3650.6	3146.1	2379.5	2066.3	1808.0	1554.1	1277.7	952.5	744.4	579.8	429.3
32.5°	4203.3	3698.6	2913.3	2396.4	2051.0	1751.3	1457.8	1128.5	864.6	659.7	492.5
30°	4638.5	4062.4	3381.7	2726.9	2315.4	1971.3	1637.6	1297.3	985.1	740.3	556.2
27.5°	4869.2	4377.1	3751.3	3095.2	2612.9	2196.9	1822.8	1458.6	1105.3	828.9	622.6
25°	5107.8	4598.8	4015.6	3417.1	2906.8	2435.6	2007.2	1612.4	1236.7	928.9	688.2
22.5°	5393.2	4787.3	4238.4	3672.2	3209.8	2677.7	2200.6	1768.1	1368.0	1026.9	752.8
20°	5679.7	4962.3	4458.3	4019.4	3507.2	2939.6	2402.8	1920.0	1491.9	1122.3	816.0
17.5°	5980.6	5280.2	4831.5	4358.2	3803.6	3193.4	2602.0	2067.2	1608.1	1214.7	877.5
15°	6504.1	5756.1	5207.5	4687.9	4098.5	3437.5	2796.4	2208.5	1716.6	1303.5	934.6
12.5°	6979.4	6199.1	5583.7	5006.7	4388.5	3670.3	2984.0	2343.0	1817.0	1374.3	985.5
10°	7372.8	6610.0	5955.7	5312.6	4670.0	3890.1	3162.7	2452.6	1877.3	1427.1	1032.4
7.5°	7694.8	6989.7	6318.3	5603.9	4911.9	4033.7	3252.9	2516.5	1923.9	1472.1	1075.1
5°	7927.6	7243.0	6510.9	5705.3	4987.4	4092.7	3314.2	2568.5	1961.6	1509.6	1113.6
2.5°	7994.7	7320.9	6583.3	5760.8	5038.6	4130.9	3357.9	2608.3	1990.6	1540.0	1147.7
0°	8033.7	7372.1	6628.6	5795.0	5064.7	4149.1	3384.4	2635.6	2011.1	1563.9	1177.5
-2.5°	8088.2	7416.3	6672.4	5882.8	5082.1	4204.6	3399.4	2653.4	2037.0	1572.5	1194.8
-5°	8115.5	7433.5	6693.3	5941.8	5077.5	4237.8	3397.5	2659.0	2053.9	1575.4	1207.6
-7.5°	8103.5	7427.7	6694.2	5960.4	5054.6	4245.4	3379.1	2653.1	2060.7	1573.2	1215.5
-10°	8066.9	7397.6	6668.5	5912.5	5033.4	4215.5	3346.2	2636.3	2056.7	1566.5	1218.5
-12.5°	8011.4	7341.3	6616.3	5843.7	4989.3	4153.6	3307.4	2607.3	2040.1	1555.7	1216.5
-15°	7939.3	7259.5	6536.9	5756.2	4916.8	4071.3	3249.2	2565.4	2007.8	1543.3	1209.3
-17.5°	7846.8	7152.7	6429.9	5652.4	4814.8	3969.3	3171.0	2510.7	1967.3	1528.3	1194.7
-20°	7681.7	7009.2	6294.1	5534.5	4682.3	3848.5	3072.4	2443.4	1919.2	1507.0	1173.9



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	7496.1	6831.7	6124.6	5375.3	4522.8	3709.6	2953.3	2363.3	1863.6	1479.1	1148.9
-25°	7298.2	6631.8	5927.7	5155.0	4346.4	3562.8	2833.9	2270.7	1801.1	1444.8	1119.9
-27.5°	7065.7	6405.4	5704.6	4912.3	4141.7	3392.5	2719.6	2188.6	1740.5	1403.8	1086.9
-30°	6804.5	6139.1	5425.7	4653.4	3917.3	3195.4	2591.2	2101.0	1689.3	1359.0	1050.2
-32.5°	6505.0	5845.8	5116.7	4388.4	3680.2	2986.4	2449.7	2007.3	1630.1	1311.5	1016.2
-35°	6164.2	5504.6	4789.2	4103.8	3429.1	2817.6	2311.2	1907.8	1563.0	1260.1	980.4
-37.5°	5809.1	5138.3	4461.6	3806.6	3162.1	2634.8	2186.7	1809.6	1488.1	1205.1	940.8
-40°	5403.7	4761.4	4117.9	3500.6	2930.9	2438.5	2051.9	1712.6	1417.3	1146.5	897.5
-42.5°	4986.1	4366.0	3759.4	3176.6	2702.8	2278.7	1910.8	1608.2	1342.5	1090.0	850.6
-45°	4535.8	3948.7	3378.1	2903.7	2470.7	2109.5	1787.3	1500.0	1262.8	1032.1	802.1
-47.5°	4060.8	3508.8	3031.6	2619.2	2273.4	1939.4	1655.8	1406.4	1179.1	970.1	753.5
-50°	3557.7	3099.2	2712.4	2372.1	2060.8	1786.3	1525.0	1308.4	1102.4	901.5	702.5
-52.5°	3111.8	2744.4	2424.4	2133.1	1873.3	1625.3	1412.1	1207.8	1023.3	835.9	649.2
-55°	2729.8	2428.6	2158.6	1916.2	1687.4	1487.2	1295.0	1118.6	942.1	770.2	595.4
-57.5°	2399.9	2136.7	1920.5	1710.0	1521.1	1350.3	1188.3	1027.4	864.2	702.1	552.6
-60°	2082.9	1886.4	1694.1	1524.8	1364.9	1220.0	1087.7	936.2	785.6	634.0	505.2
-62.5°	1809.1	1641.4	1496.0	1348.5	1215.6	1097.6	986.2	847.0	704.7	571.0	453.7
-65°	1552.6	1423.7	1299.9	1182.2	1072.0	971.9	881.9	755.6	623.6	504.2	400.3
-67.5°	1308.8	1211.8	1114.6	1015.9	929.1	848.1	771.1	656.9	539.0	433.9	347.3
-70°	1091.2	1008.3	932.2	858.7	788.4	720.9	648.2	551.9	450.4	370.9	293.0
-72.5°	885.7	825.1	761.8	701.5	649.6	590.2	523.3	448.3	377.1	306.8	237.5
-75°	695.5	655.5	611.0	563.0	514.6	461.5	417.4	364.9	302.8	241.5	191.4
-77.5°	556.5	517.5	472.8	434.6	402.2	365.9	325.8	280.2	231.0	187.8	147.9
-80°	410.5	380.6	355.4	333.4	303.4	270.3	237.0	203.8	167.9	134.5	103.6
-82.5°	250.4	243.8	236.9	226.7	201.7	177.1	153.0	129.3	103.9	80.3	66.5
-85°	125.2	122.7	119.0	113.6	98.3	83.2	76.3	69.2	60.6	52.4	44.4
-87.5°	41.2	44.3	46.8	48.6	45.1	41.7	38.2	34.6	30.3	26.2	22.3
-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):**

	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°	1.4	1.1	0.9	0.7	0.5	0.3	0.0
85°	2.7	2.3	1.8	1.4	0.9	0.6	0.0
82.5°	4.1	3.4	2.8	2.1	1.4	0.9	0.0
80°	5.3	4.6	3.7	2.8	1.9	1.1	0.0
77.5°	5.3	5.4	4.6	3.4	2.3	1.4	0.0
75°	5.4	5.5	5.3	4.1	2.8	1.7	0.0
72.5°	5.4	5.7	5.6	4.8	3.3	2.0	0.0
70°	5.6	5.9	5.8	5.3	3.7	2.3	0.0
67.5°	6.2	6.1	6.1	5.6	4.2	2.6	0.0
65°	7.1	7.0	6.4	5.9	4.7	2.8	0.0
62.5°	8.3	8.7	6.6	6.1	5.2	3.1	0.0
60°	9.8	10.6	6.9	6.4	5.6	3.4	0.0
57.5°	18.1	12.7	9.0	6.7	5.9	3.7	0.0
55°	28.9	15.0	11.2	6.9	6.2	3.9	0.0
52.5°	41.4	19.3	13.5	7.2	6.5	4.2	0.0
50°	55.8	32.9	15.9	7.5	6.8	4.4	0.0
47.5°	75.1	47.5	18.5	8.2	7.1	4.7	0.0
45°	113.3	63.1	21.1	10.2	7.5	4.9	0.0
42.5°	152.4	79.8	23.8	12.3	7.8	5.2	0.0
40°	192.3	97.4	32.1	14.8	8.1	5.4	0.0
37.5°	233.1	116.0	45.9	18.0	8.5	5.6	0.0
35°	274.5	144.1	59.9	21.6	8.8	5.9	0.0
32.5°	319.3	176.7	74.1	25.4	9.1	6.1	0.0
30°	370.6	209.1	88.4	29.6	9.5	6.3	0.0
27.5°	420.9	241.1	106.1	34.1	9.8	6.5	0.0
25°	470.0	272.6	124.2	38.8	10.2	6.7	0.0
22.5°	517.6	304.7	142.2	43.7	10.5	6.8	0.0
20°	563.6	339.1	160.1	48.8	10.9	7.0	0.0
17.5°	609.2	372.4	177.7	53.9	11.2	7.2	0.0
15°	653.0	404.5	194.9	59.1	11.5	7.3	0.0
12.5°	693.9	435.0	211.5	64.2	11.8	7.4	0.0
10°	731.9	463.8	227.3	69.3	12.1	7.6	0.0
7.5°	766.8	490.8	242.3	74.2	12.4	7.7	0.0
5°	798.5	515.7	256.3	78.9	12.7	7.8	0.0
2.5°	827.0	538.2	269.1	83.3	13.0	7.8	0.0
0°	852.1	558.3	280.5	87.3	13.2	7.9	0.0
-2.5°	864.6	571.0	291.2	93.0	15.3	8.4	0.0
-5°	873.7	581.1	300.3	98.2	17.3	8.8	0.0
-7.5°	879.5	588.4	307.7	102.9	19.3	9.2	0.0
-10°	882.1	593.0	313.3	107.0	21.2	9.6	0.0
-12.5°	881.7	594.9	317.0	110.4	23.0	10.0	0.0
-15°	878.2	594.0	318.8	113.1	24.7	10.3	0.0
-17.5°	871.8	590.5	318.6	115.1	26.3	10.6	0.0
-20°	861.8	584.2	316.3	116.3	27.8	10.8	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	847.4	575.3	311.9	116.6	29.1	11.0	0.0
-25°	829.7	561.5	305.2	116.1	30.3	11.2	0.0
-27.5°	808.6	544.2	296.3	114.7	31.3	11.4	0.0
-30°	784.2	524.6	285.2	112.3	32.1	11.4	0.0
-32.5°	756.6	502.7	272.3	109.0	32.7	11.5	0.0
-35°	726.6	478.5	257.8	104.8	33.2	11.5	0.0
-37.5°	694.5	454.1	241.9	99.5	33.4	11.4	0.0
-40°	659.9	432.1	224.6	93.3	33.4	11.3	0.0
-42.5°	622.8	408.4	211.5	86.6	33.2	11.1	0.0
-45°	583.4	383.3	202.6	79.9	32.9	10.9	0.0
-47.5°	541.8	356.7	192.0	72.1	32.3	10.6	0.0
-50°	507.0	328.7	179.9	69.5	31.4	10.3	0.0
-52.5°	472.2	299.4	166.2	68.1	30.4	9.9	0.0
-55°	436.1	277.2	151.0	66.0	29.2	9.5	0.0
-57.5°	398.6	254.6	134.3	63.1	27.8	9.0	0.0
-60°	360.5	230.0	116.8	59.6	26.2	8.5	0.0
-62.5°	325.7	203.4	108.5	55.3	24.6	8.0	0.0
-65°	288.4	175.1	99.1	50.5	22.9	7.4	0.0
-67.5°	248.7	151.3	88.5	45.0	21.0	6.8	0.0
-70°	206.9	132.4	77.0	39.1	19.0	6.1	0.0
-72.5°	175.0	112.1	64.6	34.4	16.9	5.4	0.0
-75°	143.1	90.5	51.4	29.9	14.7	4.7	0.0
-77.5°	109.5	67.9	42.4	25.2	12.4	3.9	0.0
-80°	74.7	51.7	34.3	20.4	10.0	3.2	0.0
-82.5°	54.9	39.1	25.9	15.4	7.5	2.4	0.0
-85°	36.8	26.2	17.4	10.3	5.1	1.6	0.0
-87.5°	18.5	13.2	8.7	5.2	2.5	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)