

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: P645525 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5D-727-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645525 (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: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA5D-727-U-LAM-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (80) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

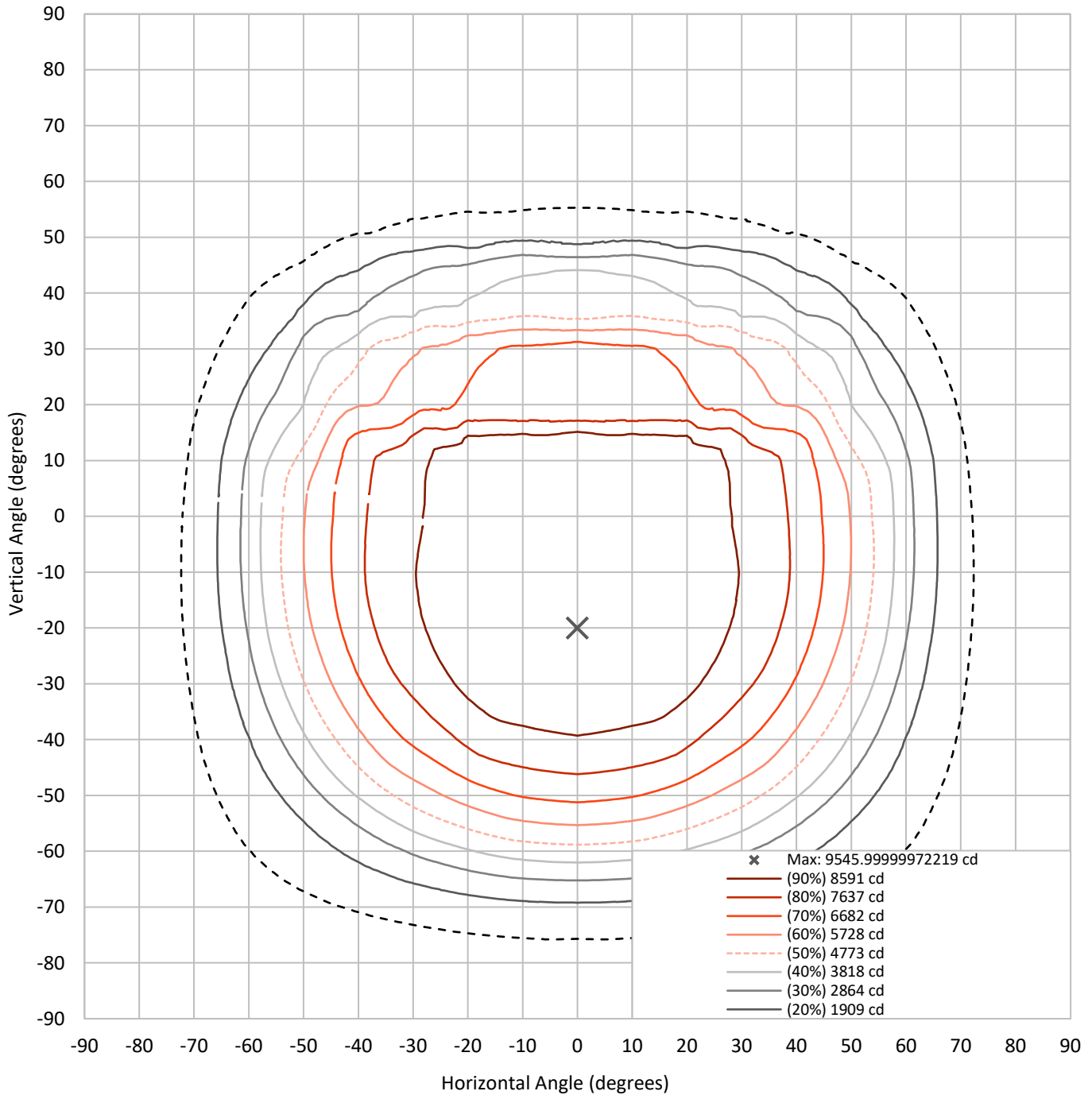
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	22383.4 lumens	Max Intensity:	9546 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	82.5 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:	17498.1 lumens	Field Lumens:	21938.9 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	271.3		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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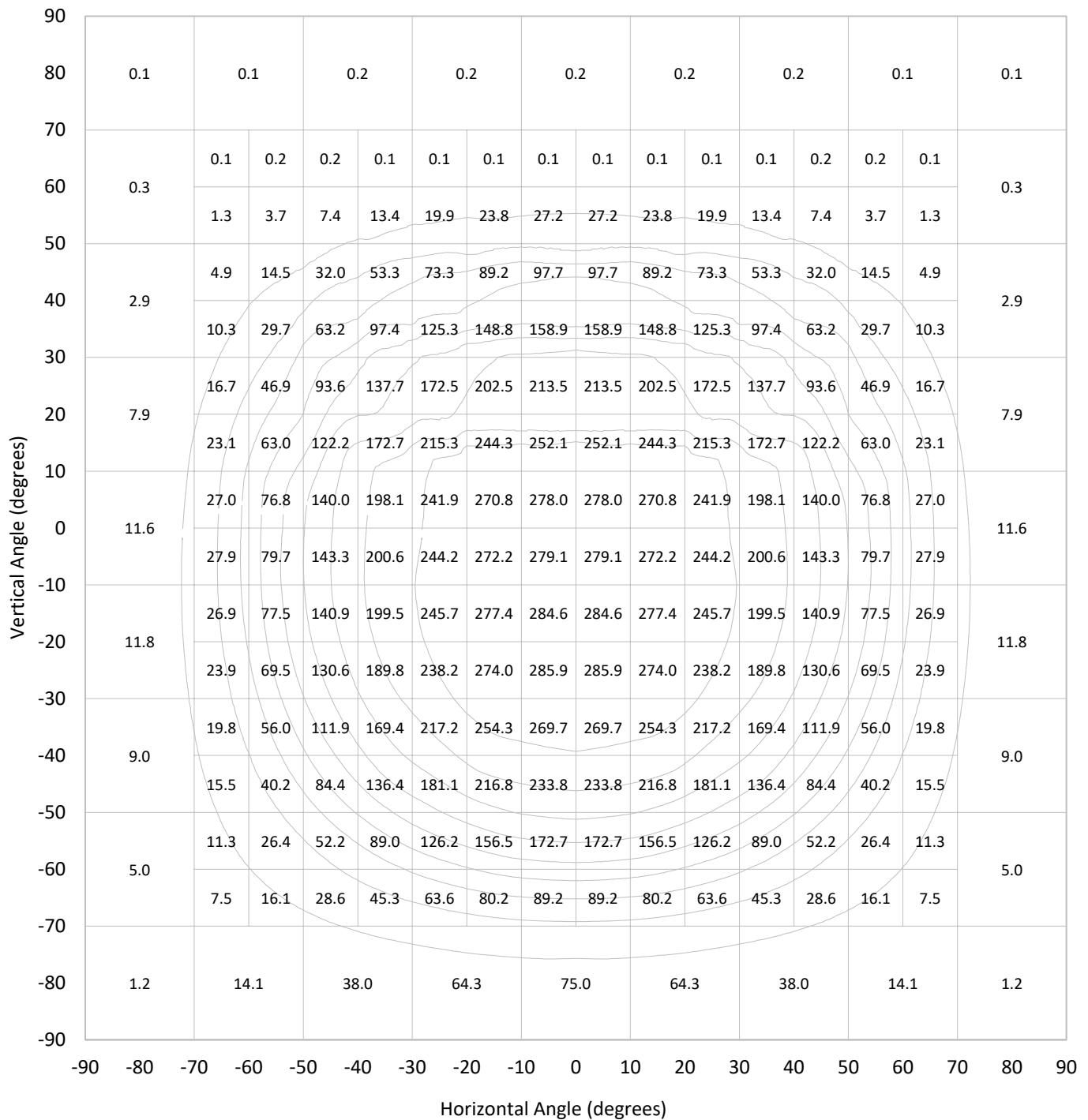
### Iso-Candela Plot





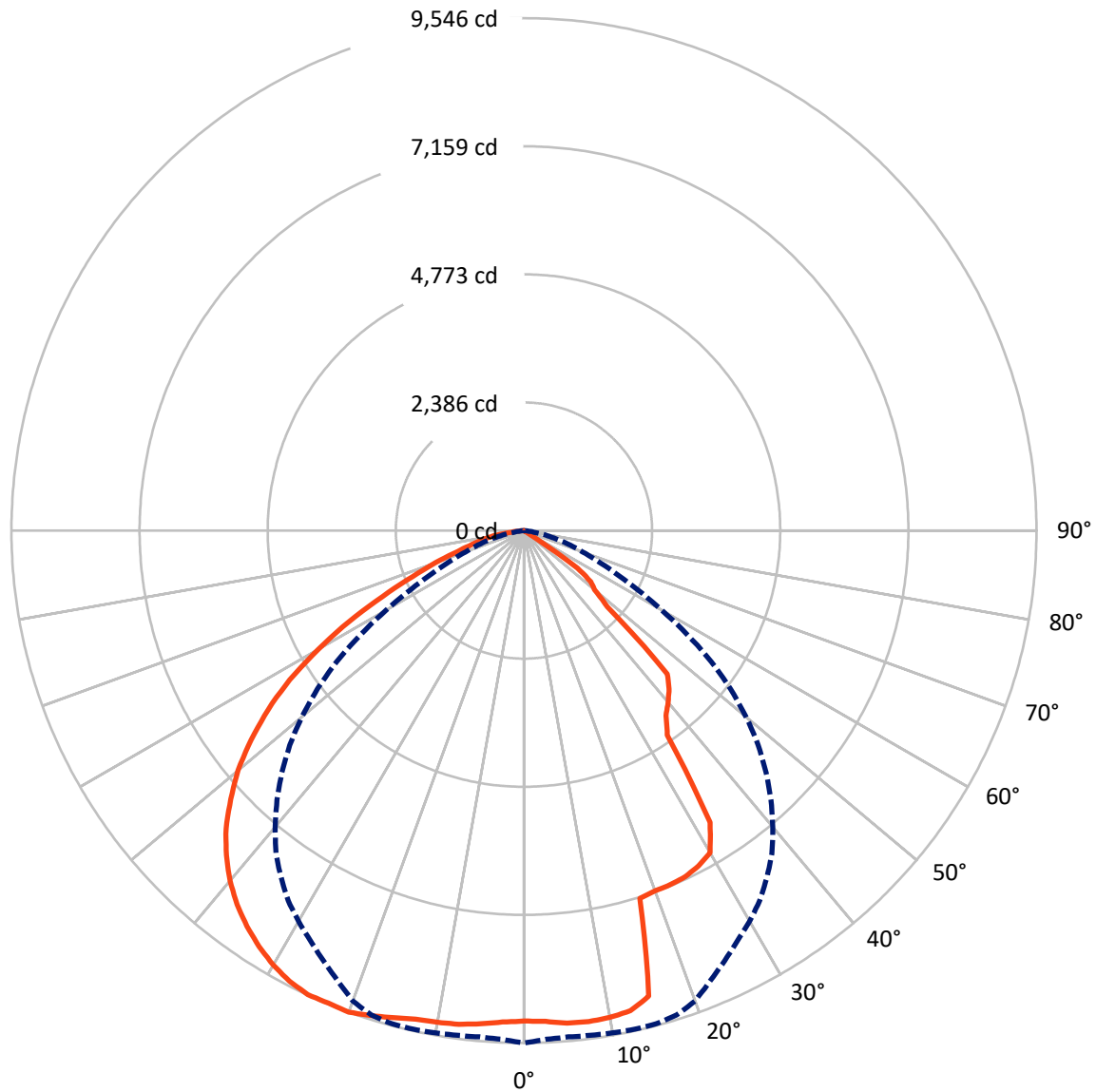
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### Lumen Table



REPORT NUMBER: P645525 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Luminous Intensity Polar Plot

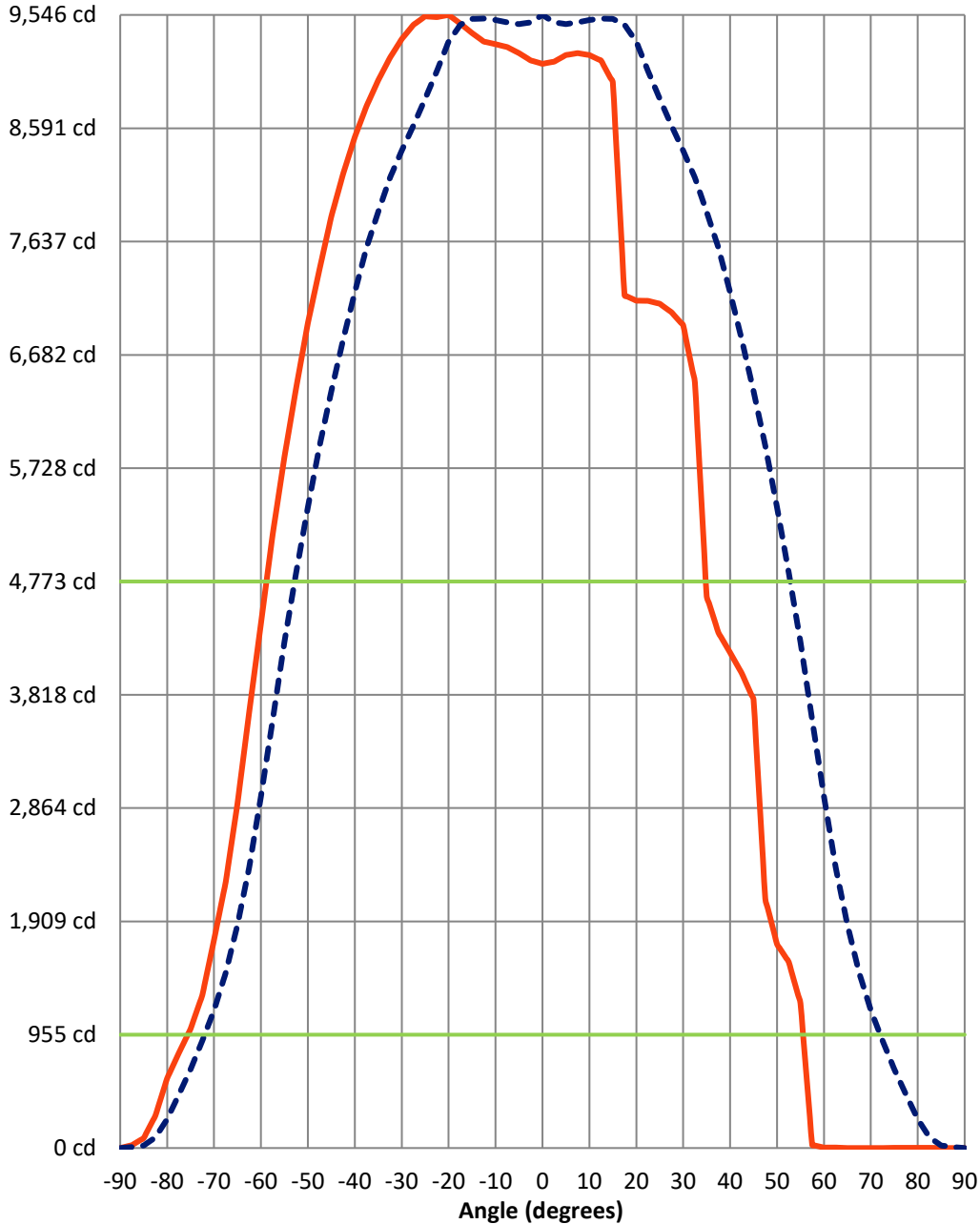


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through -20-Deg



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 17498.1  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 21938.9  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 444.5  
 Efficiency: 2.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-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	0.2	0.4	0.5	0.7	0.9	1.1	1.1	1.0	1.0	0.8
85°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.2	2.1	1.9	1.7
82.5°	0.0	0.7	1.1	1.6	2.1	2.7	3.2	3.2	3.1	2.6	2.0
80°	0.0	0.9	1.4	2.1	2.8	3.5	4.1	3.6	3.1	2.6	2.1
77.5°	0.0	1.1	1.8	2.7	3.5	4.1	4.1	3.7	3.1	2.6	2.1
75°	0.0	1.3	2.2	3.2	4.1	4.3	4.2	3.7	3.2	2.7	2.2
72.5°	0.0	1.5	2.5	3.7	4.3	4.4	4.2	3.7	3.2	2.7	2.2
70°	0.0	1.8	2.9	4.1	4.5	4.6	4.3	3.8	3.3	2.8	3.2
67.5°	0.0	2.0	3.3	4.3	4.7	4.7	4.8	3.8	3.4	4.5	4.6
65°	0.0	2.2	3.6	4.5	4.9	5.4	5.5	3.9	5.4	6.4	8.0
62.5°	0.0	2.4	4.0	4.7	5.1	6.7	6.4	5.5	7.5	11.2	17.8
60°	0.0	2.6	4.4	4.9	5.4	8.2	7.6	7.7	9.8	28.3	30.8
57.5°	0.0	2.8	4.6	5.2	6.9	9.8	14.0	10.8	27.7	48.1	55.8
55°	0.0	3.0	4.8	5.4	8.6	11.6	22.2	17.6	51.4	74.2	90.4
52.5°	0.0	3.2	5.0	5.6	10.4	14.8	31.9	44.6	77.1	116.4	131.1
50°	0.0	3.4	5.3	5.8	12.3	25.3	43.0	75.4	110.3	163.4	204.9
47.5°	0.0	3.6	5.5	6.4	14.2	36.6	57.8	107.7	159.0	215.1	280.2
45°	0.0	3.8	5.8	7.9	16.2	48.6	87.2	141.4	213.4	280.4	353.3
42.5°	0.0	4.0	6.0	9.5	18.3	61.5	117.3	184.3	268.8	344.0	437.7
40°	0.0	4.2	6.3	11.4	24.7	75.0	148.1	233.0	325.9	406.4	527.9
37.5°	0.0	4.4	6.5	13.9	35.3	89.3	179.5	281.8	385.7	481.3	622.2
35°	0.0	4.5	6.8	16.6	46.1	111.0	211.4	330.6	446.5	573.3	733.6
32.5°	0.0	4.7	7.1	19.6	57.1	136.1	245.9	379.2	508.1	665.9	869.1
30°	0.0	4.8	7.3	22.8	68.1	161.1	285.4	428.3	570.2	758.6	999.1
27.5°	0.0	5.0	7.6	26.3	81.7	185.7	324.1	479.5	638.4	851.3	1123.4
25°	0.0	5.1	7.9	29.9	95.6	209.9	361.9	530.0	715.4	952.5	1241.8
22.5°	0.0	5.3	8.1	33.7	109.5	234.7	398.6	579.8	790.8	1053.6	1361.8
20°	0.0	5.4	8.4	37.6	123.3	261.2	434.1	628.5	864.4	1149.0	1478.8
17.5°	0.0	5.5	8.6	41.6	136.9	286.8	469.2	675.8	935.5	1238.5	1592.1
15°	0.0	5.6	8.9	45.5	150.1	311.5	502.9	719.8	1003.9	1322.0	1701.0
12.5°	0.0	5.7	9.1	49.5	162.8	335.0	534.4	759.0	1058.4	1399.4	1804.6
10°	0.0	5.8	9.4	53.4	175.1	357.2	563.7	795.1	1099.1	1445.8	1889.0
7.5°	0.0	5.9	9.6	57.2	186.6	378.0	590.5	828.0	1133.8	1481.7	1938.2
5°	0.0	6.0	9.8	60.8	197.3	397.2	615.0	857.7	1162.6	1510.8	1978.2
2.5°	0.0	6.1	10.0	64.2	207.2	414.5	636.9	884.0	1186.1	1533.1	2008.8
0°	0.0	6.1	10.2	67.3	216.0	430.0	656.2	906.9	1204.5	1548.9	2029.8
-2.5°	0.0	6.4	11.8	71.7	224.2	439.8	665.8	920.3	1211.1	1568.9	2043.5
-5°	0.0	6.8	13.4	75.7	231.2	447.5	672.8	930.0	1213.4	1581.9	2047.9
-7.5°	0.0	7.1	14.9	79.3	236.9	453.2	677.4	936.1	1211.7	1587.2	2043.3
-10°	0.0	7.4	16.4	82.4	241.3	456.7	679.4	938.5	1206.5	1584.0	2030.3
-12.5°	0.0	7.7	17.8	85.0	244.1	458.1	679.0	936.9	1198.1	1571.3	2008.1
-15°	0.0	7.9	19.1	87.1	245.5	457.5	676.4	931.4	1188.7	1546.4	1975.8
-17.5°	0.0	8.2	20.3	88.6	245.4	454.7	671.4	920.2	1177.1	1515.2	1933.7
-20°	0.0	8.4	21.4	89.5	243.6	449.9	663.7	904.1	1160.6	1478.1	1881.8

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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	8.5	22.5	89.8	240.2	443.0	652.6	884.9	1139.2	1435.3	1820.2
-25°	0.0	8.7	23.4	89.4	235.0	432.4	639.0	862.5	1112.7	1387.2	1748.8
-27.5°	0.0	8.7	24.1	88.3	228.2	419.1	622.7	837.1	1081.2	1340.5	1685.6
-30°	0.0	8.8	24.7	86.5	219.6	404.0	603.9	808.8	1046.7	1301.1	1618.1
-32.5°	0.0	8.8	25.2	83.9	209.6	387.1	582.6	782.6	1010.1	1255.5	1546.0
-35°	0.0	8.8	25.6	80.7	198.5	368.5	559.6	755.1	970.5	1203.8	1469.4
-37.5°	0.0	8.8	25.7	76.6	186.3	349.7	534.8	724.6	928.1	1146.1	1393.7
-40°	0.0	8.7	25.7	71.9	173.0	332.7	508.2	691.2	883.0	1091.6	1319.0
-42.5°	0.0	8.6	25.6	66.7	162.9	314.5	479.6	655.1	839.4	1034.0	1238.6
-45°	0.0	8.4	25.3	61.5	156.0	295.2	449.3	617.7	794.9	972.6	1155.3
-47.5°	0.0	8.2	24.8	55.5	147.8	274.7	417.3	580.3	747.1	908.1	1083.2
-50°	0.0	7.9	24.2	53.5	138.5	253.1	390.5	541.0	694.3	849.0	1007.7
-52.5°	0.0	7.6	23.4	52.5	128.0	230.5	363.7	500.0	643.8	788.1	930.2
-55°	0.0	7.3	22.5	50.8	116.3	213.5	335.8	458.5	593.2	725.6	861.5
-57.5°	0.0	7.0	21.4	48.6	103.4	196.1	306.9	425.5	540.7	665.6	791.3
-60°	0.0	6.6	20.2	45.9	90.0	177.1	277.6	389.1	488.3	605.0	721.1
-62.5°	0.0	6.2	19.0	42.6	83.6	156.7	250.8	349.4	439.7	542.8	652.4
-65°	0.0	5.7	17.6	38.9	76.3	134.8	222.1	308.3	388.3	480.3	582.0
-67.5°	0.0	5.2	16.2	34.7	68.2	116.6	191.6	267.5	334.2	415.1	506.0
-70°	0.0	4.7	14.6	30.1	59.3	102.0	159.4	225.7	285.7	346.9	425.1
-72.5°	0.0	4.2	13.0	26.5	49.7	86.4	134.8	182.9	236.3	290.5	345.3
-75°	0.0	3.6	11.3	23.0	39.6	69.7	110.2	147.4	186.0	233.3	281.1
-77.5°	0.0	3.0	9.5	19.4	32.7	52.3	84.4	113.9	144.7	177.9	215.8
-80°	0.0	2.5	7.7	15.7	26.4	39.8	57.6	79.8	103.6	129.3	157.0
-82.5°	0.0	1.9	5.8	11.8	20.0	30.1	42.3	51.2	61.9	80.0	99.6
-85°	0.0	1.2	3.9	7.9	13.4	20.2	28.3	34.2	40.3	46.7	53.3
-87.5°	0.0	0.6	2.0	4.0	6.7	10.1	14.2	17.1	20.2	23.4	26.7
-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):**

	-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	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.3	2.6	2.6	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	3.2	3.3	2.9	2.3	2.0	2.1	2.3	2.2	2.0	2.0	2.0
67.5°	4.0	3.5	2.9	2.8	2.8	3.1	3.0	2.5	2.0	2.0	2.1
65°	4.0	3.5	5.1	5.8	4.3	3.6	3.1	2.6	2.8	2.9	2.9
62.5°	6.1	7.6	9.7	17.2	12.9	3.8	6.7	7.9	5.9	4.8	5.2
60°	19.9	13.5	40.1	57.5	35.9	13.1	16.0	53.3	46.2	8.6	28.8
57.5°	41.8	57.4	105.8	107.7	74.5	51.4	149.5	172.7	130.7	76.3	116.6
55°	92.1	141.5	175.4	162.4	177.3	268.5	319.1	286.6	241.3	371.1	474.2
52.5°	180.0	230.4	241.9	277.8	397.6	456.8	437.7	468.1	607.1	753.9	785.8
50°	265.7	307.0	339.2	490.4	584.2	590.1	633.6	771.2	956.6	1046.5	1024.8
47.5°	348.6	391.3	541.2	686.5	728.6	786.3	895.1	1160.8	1357.1	1361.0	1338.8
45°	436.2	550.4	741.6	836.4	904.7	1016.3	1279.2	1645.7	1664.7	1717.9	2045.5
42.5°	529.9	730.0	896.9	995.4	1105.8	1314.0	1664.8	1905.3	1988.0	2221.1	2484.5
40°	681.7	903.5	1049.3	1175.2	1317.2	1621.0	2005.3	2230.6	2297.8	2499.5	2697.6
37.5°	835.7	1048.4	1211.7	1363.7	1560.4	1970.5	2415.1	2600.9	2634.9	2671.8	3110.6
35°	984.1	1197.0	1392.5	1591.4	1832.6	2423.0	2811.6	2986.3	2980.9	3230.0	3689.4
32.5°	1122.8	1348.8	1579.7	1845.7	2243.7	2848.6	3237.3	3341.9	3500.5	3863.0	4490.1
30°	1261.2	1518.3	1783.3	2100.2	2604.5	3128.7	3572.5	3740.8	4012.6	4426.3	4882.7
27.5°	1403.9	1692.0	2012.5	2383.8	2889.2	3371.1	3750.2	4152.2	4416.3	4787.0	5111.7
25°	1545.9	1875.9	2238.7	2631.8	3092.7	3541.9	3933.9	4398.2	4681.8	4980.7	5283.6
22.5°	1694.9	2062.3	2472.1	2828.3	3264.3	3687.1	4153.7	4657.4	5026.1	5216.0	5419.3
20°	1850.6	2264.1	2701.2	3095.7	3433.7	3821.9	4374.4	4986.3	5462.3	5676.1	5703.9
17.5°	2004.1	2459.5	2929.4	3356.6	3721.2	4066.7	4606.1	5380.5	5972.4	6171.1	6259.4
15°	2153.8	2647.5	3156.6	3610.5	4010.7	4433.2	5009.3	5796.8	6473.5	6693.3	6832.4
12.5°	2298.2	2826.8	3379.9	3856.0	4300.5	4774.4	5375.4	6096.3	6713.9	7139.2	7394.3
10°	2435.9	2996.1	3596.7	4091.7	4586.9	5090.9	5678.4	6319.4	6822.2	7232.4	7594.5
7.5°	2505.3	3106.7	3783.0	4316.0	4866.2	5383.3	5926.4	6476.7	6900.2	7302.5	7652.6
5°	2552.5	3152.2	3841.2	4394.1	5014.6	5578.4	6105.7	6580.0	6951.1	7349.8	7691.8
2.5°	2586.2	3181.6	3880.6	4436.9	5070.3	5638.4	6157.4	6614.6	6993.1	7383.7	7733.9
0°	2606.6	3195.6	3900.7	4463.2	5105.2	5677.9	6187.4	6627.6	7020.9	7400.0	7777.0
-2.5°	2618.1	3238.4	3914.1	4530.8	5138.9	5711.9	6229.4	6659.1	7070.1	7430.8	7808.8
-5°	2616.7	3263.9	3910.6	4576.3	5155.0	5725.1	6250.4	6673.3	7096.7	7453.9	7821.7
-7.5°	2602.5	3269.8	3893.0	4590.6	5155.7	5720.6	6241.1	6680.1	7096.3	7475.0	7822.9
-10°	2577.1	3246.7	3876.7	4553.7	5135.9	5697.4	6213.0	6665.2	7079.8	7470.8	7816.1
-12.5°	2547.3	3199.0	3842.7	4500.7	5095.7	5654.1	6170.2	6627.0	7048.8	7438.8	7800.5
-15°	2502.4	3135.6	3786.9	4433.3	5034.6	5591.1	6114.7	6564.7	7001.0	7382.9	7754.3
-17.5°	2442.2	3057.1	3708.3	4353.4	4952.2	5508.8	6043.4	6482.5	6916.6	7311.3	7669.7
-20°	2366.3	2964.0	3606.2	4262.5	4847.6	5398.3	5916.3	6376.0	6807.4	7208.8	7585.5



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 CATALOG NUMBER: GFLD-SA5D-727-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°	2274.5	2857.0	3483.3	4139.9	4717.1	5261.6	5773.3	6240.5	6687.4	7075.7	7477.0
-25°	2182.6	2743.9	3347.5	3970.2	4565.4	5107.7	5620.9	6076.0	6532.8	6936.7	7317.9
-27.5°	2094.5	2612.8	3189.8	3783.3	4393.6	4933.3	5441.9	5897.4	6340.8	6782.4	7149.4
-30°	1995.7	2461.0	3017.0	3583.9	4178.8	4728.2	5240.7	5713.3	6135.3	6571.3	6965.4
-32.5°	1886.7	2300.1	2834.4	3379.8	3940.7	4502.3	5010.0	5479.4	5918.5	6330.9	6744.6
-35°	1780.1	2170.0	2641.0	3160.7	3688.6	4239.5	4747.5	5212.4	5668.1	6076.6	6471.9
-37.5°	1684.1	2029.3	2435.4	2931.8	3436.3	3957.4	4474.1	4924.1	5357.7	5806.9	6192.3
-40°	1580.4	1878.1	2257.3	2696.1	3171.5	3667.1	4161.8	4627.5	5035.0	5478.9	5902.9
-42.5°	1471.7	1755.0	2081.6	2446.6	2895.4	3362.6	3840.2	4295.6	4719.0	5137.7	5557.8
-45°	1376.5	1624.7	1902.9	2236.4	2601.8	3041.2	3493.4	3947.3	4353.6	4752.7	5167.6
-47.5°	1275.3	1493.7	1751.0	2017.3	2334.9	2702.4	3127.5	3546.2	3962.0	4341.8	4709.0
-50°	1174.5	1375.8	1587.2	1826.9	2089.0	2386.9	2740.1	3129.3	3509.1	3898.9	4262.6
-52.5°	1087.6	1251.8	1442.8	1642.9	1867.2	2113.6	2396.6	2716.3	3061.8	3392.6	3755.4
-55°	997.4	1145.4	1299.6	1475.8	1662.5	1870.4	2102.4	2371.1	2634.7	2940.7	3236.9
-57.5°	915.2	1040.0	1171.5	1316.9	1479.1	1645.6	1848.3	2057.3	2296.5	2534.3	2768.9
-60°	837.7	939.6	1051.2	1174.4	1304.7	1452.8	1604.2	1783.7	1976.4	2166.2	2365.1
-62.5°	759.5	845.3	936.2	1038.5	1152.1	1264.1	1393.3	1531.6	1673.4	1834.3	1991.2
-65°	679.2	748.5	825.6	910.5	1001.1	1096.5	1195.7	1298.2	1418.8	1536.7	1650.7
-67.5°	593.9	653.2	715.6	782.4	858.4	933.3	1008.0	1094.5	1183.4	1270.6	1361.0
-70°	499.3	555.2	607.2	661.4	717.9	776.6	840.4	903.9	966.5	1031.8	1104.4
-72.5°	403.1	454.6	500.3	540.3	586.8	635.5	682.2	726.7	773.9	823.6	872.7
-75°	321.5	355.5	396.3	433.7	470.6	504.9	535.7	573.5	612.9	649.0	678.6
-77.5°	250.9	281.8	309.8	334.8	364.2	398.6	428.6	454.3	479.3	506.7	535.6
-80°	182.6	208.2	233.7	256.8	273.7	293.2	316.2	342.5	365.3	383.8	400.7
-82.5°	117.9	136.4	155.3	174.6	182.5	187.8	192.8	202.0	216.1	230.0	243.3
-85°	58.8	64.1	75.7	87.5	91.6	94.5	96.5	97.6	102.3	106.7	110.6
-87.5°	29.4	32.1	34.8	37.4	36.0	34.1	31.7	28.9	28.2	27.4	26.3
-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: P645525 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-727-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°	1.6	1.7	1.7	1.8	1.8	1.4	0.9	0.5	0.0	0.0	0.0
85°	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.4	1.0
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	2.0
67.5°	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.3
65°	2.8	2.8	2.9	2.8	2.5	2.4	2.5	2.4	2.2	1.7	1.2
62.5°	5.1	5.8	4.6	4.5	4.4	4.3	4.1	3.9	3.6	3.5	3.6
60°	32.0	18.9	11.0	12.9	11.6	7.7	9.8	11.5	11.6	10.7	9.4
57.5°	177.1	132.3	97.9	233.8	234.5	112.0	134.8	212.0	174.6	57.3	53.3
55°	492.8	589.4	775.7	736.8	748.8	861.3	940.4	832.6	816.2	869.7	1004.7
52.5°	885.3	977.4	1040.1	1098.7	1170.1	1246.8	1325.8	1376.1	1423.1	1473.2	1503.0
50°	1130.6	1260.4	1349.5	1316.7	1501.4	1576.9	1500.2	1568.8	1652.4	1675.3	1686.1
47.5°	1669.4	1859.7	1897.5	2020.2	2130.3	2128.0	2034.4	2039.8	2288.8	2508.5	2616.4
45°	2399.2	2405.6	2525.3	2741.8	2896.6	2847.9	2978.5	3275.5	3374.3	3469.9	3548.3
42.5°	2683.5	2801.3	2992.2	3183.7	3299.1	3399.2	3495.9	3605.0	3733.4	3837.5	3920.7
40°	2958.7	3053.6	3249.2	3403.5	3499.0	3592.4	3705.1	3826.1	3943.5	4035.0	4097.4
37.5°	3382.4	3456.1	3503.7	3646.8	3827.5	3744.1	3957.9	4111.3	4181.3	4274.2	4282.5
35°	4023.5	3974.5	3911.1	4480.9	4515.0	4322.5	4522.5	4760.2	4635.0	4895.8	5036.1
32.5°	4591.8	4584.5	5081.8	5381.3	5209.0	5349.6	5810.6	5790.2	6097.4	6240.0	6199.3
30°	5127.2	5309.8	5597.4	5820.5	5850.4	6072.2	6276.9	6456.2	6641.7	6808.0	6819.4
27.5°	5399.0	5637.3	5832.6	5961.7	6105.7	6292.4	6478.1	6680.0	6837.8	6942.1	6967.6
25°	5563.3	5806.8	5954.7	6093.7	6252.7	6413.7	6621.7	6841.6	6968.3	7032.7	7053.2
22.5°	5708.3	5927.1	6086.1	6198.8	6369.9	6543.2	6737.1	6923.3	7060.9	7089.0	7099.3
20°	5847.8	6058.1	6323.5	6489.5	6481.2	6676.4	6863.3	7011.4	7126.1	7125.5	7128.2
17.5°	6251.4	6326.5	6808.2	7173.9	6992.8	6897.3	7411.2	7421.0	7451.4	7390.8	7259.3
15°	6849.0	6985.7	7577.5	7973.9	7849.1	7842.5	8584.8	8400.7	8559.1	8517.7	8696.0
12.5°	7482.1	7643.9	8086.1	8475.4	8660.9	8706.5	8954.4	9186.7	9234.4	9215.6	9180.6
10°	7913.3	8143.8	8321.4	8557.7	8744.8	8935.7	9079.3	9246.1	9300.7	9269.2	9224.5
7.5°	7969.5	8197.3	8405.8	8613.2	8791.3	8945.1	9094.1	9230.0	9285.5	9267.2	9236.5
5°	8005.2	8211.5	8413.7	8624.1	8794.4	8936.9	9085.4	9223.0	9255.8	9233.8	9203.9
2.5°	8027.2	8218.2	8413.0	8622.5	8777.2	8913.0	9063.3	9210.0	9209.8	9200.1	9182.6
0°	8037.9	8229.4	8455.7	8645.2	8818.4	8946.8	9095.6	9238.3	9228.1	9201.6	9171.0
-2.5°	8060.8	8254.9	8485.7	8642.8	8838.1	8955.7	9109.5	9233.0	9228.3	9215.3	9200.1
-5°	8081.2	8299.5	8515.5	8680.7	8876.4	9030.2	9183.0	9279.6	9284.8	9266.7	9241.2
-7.5°	8093.7	8335.6	8541.7	8707.6	8897.5	9076.3	9231.3	9332.7	9334.9	9310.8	9280.4
-10°	8089.5	8345.0	8557.0	8728.5	8923.0	9099.5	9261.6	9390.2	9386.0	9363.0	9337.0
-12.5°	8074.3	8329.4	8547.2	8719.2	8940.0	9121.7	9304.1	9432.0	9438.8	9421.6	9393.4
-15°	8040.7	8304.1	8515.9	8703.7	8920.2	9132.7	9320.0	9461.1	9486.3	9472.2	9449.9
-17.5°	7974.3	8252.3	8476.9	8679.3	8887.0	9113.5	9326.6	9480.9	9515.3	9509.7	9491.2
-20°	7887.1	8174.0	8402.0	8614.1	8840.1	9073.5	9321.4	9462.4	9512.3	9515.5	9502.9



REPORT NUMBER: P645525 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-727-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°	7789.2	8070.1	8312.0	8520.4	8765.6	9001.8	9226.3	9391.4	9475.3	9490.9	9491.9
-25°	7671.8	7960.5	8200.9	8422.8	8650.8	8894.8	9121.6	9305.9	9390.9	9431.6	9444.2
-27.5°	7506.0	7804.3	8040.9	8275.5	8507.4	8759.4	8997.9	9198.3	9267.4	9323.2	9345.6
-30°	7311.7	7606.7	7847.9	8062.4	8327.7	8584.6	8830.8	9005.6	9109.8	9173.7	9208.6
-32.5°	7088.3	7386.1	7639.3	7863.3	8115.4	8372.3	8603.9	8788.3	8932.0	9005.7	9043.1
-35°	6846.0	7150.1	7415.1	7651.1	7888.5	8133.4	8373.2	8566.2	8730.0	8793.3	8840.1
-37.5°	6553.8	6889.2	7161.0	7404.4	7630.0	7860.2	8110.0	8330.5	8489.5	8551.0	8600.3
-40°	6254.2	6578.3	6852.5	7112.0	7335.1	7586.4	7827.1	8058.3	8196.3	8267.9	8323.7
-42.5°	5937.9	6230.7	6491.4	6743.6	6991.9	7250.6	7491.1	7731.4	7850.8	7937.1	8005.6
-45°	5572.8	5845.3	6098.5	6334.5	6590.6	6844.9	7085.5	7297.8	7439.9	7552.3	7639.8
-47.5°	5086.0	5418.0	5672.2	5896.7	6150.5	6395.9	6629.1	6828.7	6984.5	7116.0	7217.6
-50°	4591.6	4910.2	5197.0	5449.1	5684.6	5911.5	6133.5	6328.8	6493.7	6636.2	6739.1
-52.5°	4104.7	4403.2	4687.8	4948.1	5174.5	5388.7	5591.8	5788.2	5962.1	6114.5	6214.0
-55°	3554.5	3863.8	4145.3	4388.1	4614.2	4826.0	5026.5	5212.8	5384.0	5539.1	5634.5
-57.5°	3038.5	3309.7	3571.6	3795.7	4009.2	4210.9	4401.0	4579.4	4744.1	4890.1	4982.0
-60°	2564.0	2761.8	2987.2	3194.1	3383.4	3555.1	3732.4	3898.7	4050.1	4178.4	4264.1
-62.5°	2144.7	2308.6	2471.4	2628.7	2782.2	2936.5	3084.9	3222.9	3349.3	3454.5	3529.6
-65°	1771.1	1902.8	2020.5	2132.1	2238.3	2360.0	2472.9	2579.1	2677.4	2758.0	2815.2
-67.5°	1458.4	1550.9	1632.3	1708.8	1792.7	1878.6	1959.2	2029.4	2089.4	2137.2	2175.0
-70°	1176.1	1244.2	1305.6	1366.6	1427.8	1483.7	1537.0	1588.6	1637.7	1677.7	1707.6
-72.5°	921.0	967.5	1009.3	1056.3	1100.4	1142.8	1179.7	1209.5	1232.6	1255.1	1274.8
-75°	702.2	737.2	784.3	824.1	857.0	886.1	912.8	936.5	957.4	975.9	992.2
-77.5°	564.8	594.5	624.5	653.6	681.6	702.5	721.9	741.3	760.3	776.7	791.2
-80°	418.6	440.7	463.9	487.2	510.4	522.0	531.2	539.7	547.2	557.0	566.1
-82.5°	255.9	268.5	281.3	294.4	307.4	310.7	311.8	311.5	309.8	306.3	300.9
-85°	113.9	114.6	114.2	112.9	110.7	106.2	100.7	94.3	87.2	86.0	84.7
-87.5°	25.1	24.5	23.9	23.1	22.2	22.2	22.0	21.9	21.6	22.4	23.1
-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: P645525 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-727-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	0.5
85°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.4	1.9	1.9
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	1.1	0.0	1.1	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	1.1	0.0	1.1	2.0	2.0	2.0	2.0	2.0	2.0
67.5°	0.7	0.2	0.0	0.0	0.0	0.2	0.7	1.3	1.8	2.0	2.0
65°	0.7	0.1	0.0	0.0	0.0	0.1	0.7	1.2	1.7	2.2	2.4
62.5°	3.8	3.9	4.1	4.1	4.1	3.9	3.8	3.6	3.5	3.6	3.9
60°	7.4	4.8	4.1	4.1	4.1	4.8	7.4	9.4	10.7	11.6	11.5
57.5°	45.0	33.6	28.6	26.5	28.6	33.6	45.0	53.3	57.3	174.6	212.0
55°	1101.4	1157.5	1199.3	1218.7	1199.3	1157.5	1101.4	1004.7	869.7	816.2	832.6
52.5°	1529.2	1553.6	1567.7	1567.2	1567.7	1553.6	1529.2	1503.0	1473.2	1423.1	1376.1
50°	1704.5	1716.4	1720.6	1718.0	1720.6	1716.4	1704.5	1686.1	1675.3	1652.4	1568.8
47.5°	2517.8	2299.9	2139.7	2101.2	2139.7	2299.9	2517.8	2616.4	2508.5	2288.8	2039.8
45°	3585.9	3668.5	3750.8	3776.4	3750.8	3668.5	3585.9	3548.3	3469.9	3374.3	3275.5
42.5°	3955.8	3982.7	3998.0	3998.6	3998.0	3982.7	3955.8	3920.7	3837.5	3733.4	3605.0
40°	4132.3	4157.7	4172.5	4173.8	4172.5	4157.7	4132.3	4097.4	4035.0	3943.5	3826.1
37.5°	4292.6	4314.2	4328.5	4343.0	4328.5	4314.2	4292.6	4282.5	4274.2	4181.3	4111.3
35°	5017.1	4853.0	4617.0	4652.8	4617.0	4853.0	5017.1	5036.1	4895.8	4635.0	4760.2
32.5°	6262.8	6331.8	6374.9	6448.2	6374.9	6331.8	6262.8	6199.3	6240.0	6097.4	5790.2
30°	6837.6	6860.4	6894.9	6931.2	6894.9	6860.4	6837.6	6819.4	6808.0	6641.7	6456.2
27.5°	6981.0	7004.6	7025.6	7041.3	7025.6	7004.6	6981.0	6967.6	6942.1	6837.8	6680.0
25°	7056.1	7070.8	7093.1	7112.6	7093.1	7070.8	7056.1	7053.2	7032.7	6968.3	6841.6
22.5°	7093.4	7094.9	7112.3	7137.1	7112.3	7094.9	7093.4	7099.3	7089.0	7060.9	6923.3
20°	7119.0	7105.1	7123.1	7139.1	7123.1	7105.1	7119.0	7128.2	7125.5	7126.1	7011.4
17.5°	7444.8	7258.9	7182.5	7183.9	7182.5	7258.9	7444.8	7259.3	7390.8	7451.4	7421.0
15°	8495.9	8565.6	8832.9	8977.4	8832.9	8565.6	8495.9	8696.0	8517.7	8559.1	8400.7
12.5°	9174.1	9149.3	9117.5	9160.8	9117.5	9149.3	9174.1	9180.6	9215.6	9234.4	9186.7
10°	9205.5	9202.7	9146.1	9207.7	9146.1	9202.7	9205.5	9224.5	9269.2	9300.7	9246.1
7.5°	9186.2	9188.0	9163.9	9224.0	9163.9	9188.0	9186.2	9236.5	9267.2	9285.5	9230.0
5°	9199.0	9157.6	9173.3	9207.7	9173.3	9157.6	9199.0	9203.9	9233.8	9255.8	9223.0
2.5°	9163.4	9159.1	9128.5	9152.7	9128.5	9159.1	9163.4	9182.6	9200.1	9209.8	9210.0
0°	9136.4	9113.9	9113.9	9134.3	9113.9	9113.9	9136.4	9171.0	9201.6	9228.1	9238.3
-2.5°	9184.6	9179.9	9176.9	9162.8	9176.9	9179.9	9184.6	9200.1	9215.3	9228.3	9233.0
-5°	9224.2	9212.1	9178.7	9224.0	9178.7	9212.1	9224.2	9241.2	9266.7	9284.8	9279.6
-7.5°	9266.8	9235.8	9204.1	9274.9	9204.1	9235.8	9266.8	9280.4	9310.8	9334.9	9332.7
-10°	9305.7	9261.0	9230.2	9299.4	9230.2	9261.0	9305.7	9337.0	9363.0	9386.0	9390.2
-12.5°	9357.1	9304.8	9284.2	9321.8	9284.2	9304.8	9357.1	9393.4	9421.6	9438.8	9432.0
-15°	9412.0	9375.8	9371.0	9393.1	9371.0	9375.8	9412.0	9449.9	9472.2	9486.3	9461.1
-17.5°	9460.3	9434.8	9447.4	9472.6	9447.4	9434.8	9460.3	9491.2	9509.7	9515.3	9480.9
-20°	9483.2	9469.1	9483.2	9546.0	9483.2	9469.1	9483.2	9502.9	9515.5	9512.3	9462.4



REPORT NUMBER: P645525 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-727-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9481.3	9482.2	9507.1	9527.6	9507.1	9482.2	9481.3	9491.9	9490.9	9475.3	9391.4
-25°	9445.1	9464.2	9492.8	9533.8	9492.8	9464.2	9445.1	9444.2	9431.6	9390.9	9305.9
-27.5°	9357.8	9389.5	9419.4	9462.4	9419.4	9389.5	9357.8	9345.6	9323.2	9267.4	9198.3
-30°	9231.7	9269.3	9296.0	9342.2	9296.0	9269.3	9231.7	9208.6	9173.7	9109.8	9005.6
-32.5°	9078.2	9120.8	9152.3	9185.3	9152.3	9120.8	9078.2	9043.1	9005.7	8932.0	8788.3
-35°	8886.3	8932.2	8965.7	8995.7	8965.7	8932.2	8886.3	8840.1	8793.3	8730.0	8566.2
-37.5°	8655.7	8705.2	8743.4	8777.7	8743.4	8705.2	8655.7	8600.3	8551.0	8489.5	8330.5
-40°	8387.0	8437.8	8478.6	8516.8	8478.6	8437.8	8387.0	8323.7	8267.9	8196.3	8058.3
-42.5°	8073.0	8124.2	8166.3	8205.0	8166.3	8124.2	8073.0	8005.6	7937.1	7850.8	7731.4
-45°	7710.3	7763.0	7807.5	7848.3	7807.5	7763.0	7710.3	7639.8	7552.3	7439.9	7297.8
-47.5°	7292.5	7348.9	7387.0	7406.1	7387.0	7348.9	7292.5	7217.6	7116.0	6984.5	6828.7
-50°	6813.7	6870.1	6915.8	6949.6	6915.8	6870.1	6813.7	6739.1	6636.2	6493.7	6328.8
-52.5°	6286.7	6340.3	6379.6	6403.4	6379.6	6340.3	6286.7	6214.0	6114.5	5962.1	5788.2
-55°	5709.5	5765.8	5803.1	5820.5	5803.1	5765.8	5709.5	5634.5	5539.1	5384.0	5212.8
-57.5°	5055.0	5108.4	5148.0	5170.4	5148.0	5108.4	5055.0	4982.0	4890.1	4744.1	4579.4
-60°	4330.8	4378.6	4408.6	4420.4	4408.6	4378.6	4330.8	4264.1	4178.4	4050.1	3898.7
-62.5°	3590.1	3635.3	3663.5	3674.5	3663.5	3635.3	3590.1	3529.6	3454.5	3349.3	3222.9
-65°	2857.9	2886.2	2901.9	2904.1	2901.9	2886.2	2857.9	2815.2	2758.0	2677.4	2579.1
-67.5°	2204.7	2226.3	2239.4	2243.8	2239.4	2226.3	2204.7	2175.0	2137.2	2089.4	2029.4
-70°	1730.0	1744.9	1753.2	1754.7	1753.2	1744.9	1730.0	1707.6	1677.7	1637.7	1588.6
-72.5°	1289.8	1300.5	1296.7	1288.0	1296.7	1300.5	1289.8	1274.8	1255.1	1232.6	1209.5
-75°	1006.2	1017.9	1013.0	1004.7	1013.0	1017.9	1006.2	992.2	975.9	957.4	936.5
-77.5°	803.8	814.5	809.2	800.9	809.2	814.5	803.8	791.2	776.7	760.3	741.3
-80°	574.0	580.3	584.7	586.9	584.7	580.3	574.0	566.1	557.0	547.2	539.7
-82.5°	293.8	285.2	279.7	273.1	279.7	285.2	293.8	300.9	306.3	309.8	311.5
-85°	83.0	81.1	82.4	83.6	82.4	81.1	83.0	84.7	86.0	87.2	94.3
-87.5°	23.8	24.4	24.5	24.5	24.5	24.4	23.8	23.1	22.4	21.6	21.9
-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: P645525 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-727-U-LAM-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°	0.9	1.4	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
85°	1.9	1.9	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	2.2
67.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.5
65°	2.5	2.4	2.5	2.8	2.9	2.8	2.8	2.9	2.9	2.8	2.6
62.5°	4.1	4.3	4.4	4.5	4.6	5.8	5.1	5.2	4.8	5.9	7.9
60°	9.8	7.7	11.6	12.9	11.0	18.9	32.0	28.8	8.6	46.2	53.3
57.5°	134.8	112.0	234.5	233.8	97.9	132.3	177.1	116.6	76.3	130.7	172.7
55°	940.4	861.3	748.8	736.8	775.7	589.4	492.8	474.2	371.1	241.3	286.6
52.5°	1325.8	1246.8	1170.1	1098.7	1040.1	977.4	885.3	785.8	753.9	607.1	468.1
50°	1500.2	1576.9	1501.4	1316.7	1349.5	1260.4	1130.6	1024.8	1046.5	956.6	771.2
47.5°	2034.4	2128.0	2130.3	2020.2	1897.5	1859.7	1669.4	1338.8	1361.0	1357.1	1160.8
45°	2978.5	2847.9	2896.6	2741.8	2525.3	2405.6	2399.2	2045.5	1717.9	1664.7	1645.7
42.5°	3495.9	3399.2	3299.1	3183.7	2992.2	2801.3	2683.5	2484.5	2221.1	1988.0	1905.3
40°	3705.1	3592.4	3499.0	3403.5	3249.2	3053.6	2958.7	2697.6	2499.5	2297.8	2230.6
37.5°	3957.9	3744.1	3827.5	3646.8	3503.7	3456.1	3382.4	3110.6	2671.8	2634.9	2600.9
35°	4522.5	4322.5	4515.0	4480.9	3911.1	3974.5	4023.5	3689.4	3230.0	2980.9	2986.3
32.5°	5810.6	5349.6	5209.0	5381.3	5081.8	4584.5	4591.8	4490.1	3863.0	3500.5	3341.9
30°	6276.9	6072.2	5850.4	5820.5	5597.4	5309.8	5127.2	4882.7	4426.3	4012.6	3740.8
27.5°	6478.1	6292.4	6105.7	5961.7	5832.6	5637.3	5399.0	5111.7	4787.0	4416.3	4152.2
25°	6621.7	6413.7	6252.7	6093.7	5954.7	5806.8	5563.3	5283.6	4980.7	4681.8	4398.2
22.5°	6737.1	6543.2	6369.9	6198.8	6086.1	5927.1	5708.3	5419.3	5216.0	5026.1	4657.4
20°	6863.3	6676.4	6481.2	6489.5	6323.5	6058.1	5847.8	5703.9	5676.1	5462.3	4986.3
17.5°	7411.2	6897.3	6992.8	7173.9	6808.2	6326.5	6251.4	6259.4	6171.1	5972.4	5380.5
15°	8584.8	7842.5	7849.1	7973.9	7577.5	6985.7	6849.0	6832.4	6693.3	6473.5	5796.8
12.5°	8954.4	8706.5	8660.9	8475.4	8086.1	7643.9	7482.1	7394.3	7139.2	6713.9	6096.3
10°	9079.3	8935.7	8744.8	8557.7	8321.4	8143.8	7913.3	7594.5	7232.4	6822.2	6319.4
7.5°	9094.1	8945.1	8791.3	8613.2	8405.8	8197.3	7969.5	7652.6	7302.5	6900.2	6476.7
5°	9085.4	8936.9	8794.4	8624.1	8413.7	8211.5	8005.2	7691.8	7349.8	6951.1	6580.0
2.5°	9063.3	8913.0	8777.2	8622.5	8413.0	8218.2	8027.2	7733.9	7383.7	6993.1	6614.6
0°	9095.6	8946.8	8818.4	8645.2	8455.7	8229.4	8037.9	7777.0	7400.0	7020.9	6627.6
-2.5°	9109.5	8955.7	8838.1	8642.8	8485.7	8254.9	8060.8	7808.8	7430.8	7070.1	6659.1
-5°	9183.0	9030.2	8876.4	8680.7	8515.5	8299.5	8081.2	7821.7	7453.9	7096.7	6673.3
-7.5°	9231.3	9076.3	8897.5	8707.6	8541.7	8335.6	8093.7	7822.9	7475.0	7096.3	6680.1
-10°	9261.6	9099.5	8923.0	8728.5	8557.0	8345.0	8089.5	7816.1	7470.8	7079.8	6665.2
-12.5°	9304.1	9121.7	8940.0	8719.2	8547.2	8329.4	8074.3	7800.5	7438.8	7048.8	6627.0
-15°	9320.0	9132.7	8920.2	8703.7	8515.9	8304.1	8040.7	7754.3	7382.9	7001.0	6564.7
-17.5°	9326.6	9113.5	8887.0	8679.3	8476.9	8252.3	7974.3	7669.7	7311.3	6916.6	6482.5
-20°	9321.4	9073.5	8840.1	8614.1	8402.0	8174.0	7887.1	7585.5	7208.8	6807.4	6376.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645525 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5D-727-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9226.3	9001.8	8765.6	8520.4	8312.0	8070.1	7789.2	7477.0	7075.7	6687.4	6240.5
-25°	9121.6	8894.8	8650.8	8422.8	8200.9	7960.5	7671.8	7317.9	6936.7	6532.8	6076.0
-27.5°	8997.9	8759.4	8507.4	8275.5	8040.9	7804.3	7506.0	7149.4	6782.4	6340.8	5897.4
-30°	8830.8	8584.6	8327.7	8062.4	7847.9	7606.7	7311.7	6965.4	6571.3	6135.3	5713.3
-32.5°	8603.9	8372.3	8115.4	7863.3	7639.3	7386.1	7088.3	6744.6	6330.9	5918.5	5479.4
-35°	8373.2	8133.4	7888.5	7651.1	7415.1	7150.1	6846.0	6471.9	6076.6	5668.1	5212.4
-37.5°	8110.0	7860.2	7630.0	7404.4	7161.0	6889.2	6553.8	6192.3	5806.9	5357.7	4924.1
-40°	7827.1	7586.4	7335.1	7112.0	6852.5	6578.3	6254.2	5902.9	5478.9	5035.0	4627.5
-42.5°	7491.1	7250.6	6991.9	6743.6	6491.4	6230.7	5937.9	5557.8	5137.7	4719.0	4295.6
-45°	7085.5	6844.9	6590.6	6334.5	6098.5	5845.3	5572.8	5167.6	4752.7	4353.6	3947.3
-47.5°	6629.1	6395.9	6150.5	5896.7	5672.2	5418.0	5086.0	4709.0	4341.8	3962.0	3546.2
-50°	6133.5	5911.5	5684.6	5449.1	5197.0	4910.2	4591.6	4262.6	3898.9	3509.1	3129.3
-52.5°	5591.8	5388.7	5174.5	4948.1	4687.8	4403.2	4104.7	3755.4	3392.6	3061.8	2716.3
-55°	5026.5	4826.0	4614.2	4388.1	4145.3	3863.8	3554.5	3236.9	2940.7	2634.7	2371.1
-57.5°	4401.0	4210.9	4009.2	3795.7	3571.6	3309.7	3038.5	2768.9	2534.3	2296.5	2057.3
-60°	3732.4	3555.1	3383.4	3194.1	2987.2	2761.8	2564.0	2365.1	2166.2	1976.4	1783.7
-62.5°	3084.9	2936.5	2782.2	2628.7	2471.4	2308.6	2144.7	1991.2	1834.3	1673.4	1531.6
-65°	2472.9	2360.0	2238.3	2132.1	2020.5	1902.8	1771.1	1650.7	1536.7	1418.8	1298.2
-67.5°	1959.2	1878.6	1792.7	1708.8	1632.3	1550.9	1458.4	1361.0	1270.6	1183.4	1094.5
-70°	1537.0	1483.7	1427.8	1366.6	1305.6	1244.2	1176.1	1104.4	1031.8	966.5	903.9
-72.5°	1179.7	1142.8	1100.4	1056.3	1009.3	967.5	921.0	872.7	823.6	773.9	726.7
-75°	912.8	886.1	857.0	824.1	784.3	737.2	702.2	678.6	649.0	612.9	573.5
-77.5°	721.9	702.5	681.6	653.6	624.5	594.5	564.8	535.6	506.7	479.3	454.3
-80°	531.2	522.0	510.4	487.2	463.9	440.7	418.6	400.7	383.8	365.3	342.5
-82.5°	311.8	310.7	307.4	294.4	281.3	268.5	255.9	243.3	230.0	216.1	202.0
-85°	100.7	106.2	110.7	112.9	114.2	114.6	113.9	110.6	106.7	102.3	97.6
-87.5°	22.0	22.2	22.2	23.1	23.9	24.5	25.1	26.3	27.4	28.2	28.9
-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: P645525 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-727-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°	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	1.0	1.0	1.1
85°	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.7	1.9	2.1	2.2
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.6	3.1	3.2
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.6	3.1	3.6
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.6	3.1	3.7
75°	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.2	2.7	3.2	3.7
72.5°	2.0	2.0	2.0	2.3	2.6	2.6	2.3	2.2	2.7	3.2	3.7
70°	2.3	2.1	2.0	2.3	2.9	3.3	3.2	3.2	2.8	3.3	3.8
67.5°	3.0	3.1	2.8	2.8	2.9	3.5	4.0	4.6	4.5	3.4	3.8
65°	3.1	3.6	4.3	5.8	5.1	3.5	4.0	8.0	6.4	5.4	3.9
62.5°	6.7	3.8	12.9	17.2	9.7	7.6	6.1	17.8	11.2	7.5	5.5
60°	16.0	13.1	35.9	57.5	40.1	13.5	19.9	30.8	28.3	9.8	7.7
57.5°	149.5	51.4	74.5	107.7	105.8	57.4	41.8	55.8	48.1	27.7	10.8
55°	319.1	268.5	177.3	162.4	175.4	141.5	92.1	90.4	74.2	51.4	17.6
52.5°	437.7	456.8	397.6	277.8	241.9	230.4	180.0	131.1	116.4	77.1	44.6
50°	633.6	590.1	584.2	490.4	339.2	307.0	265.7	204.9	163.4	110.3	75.4
47.5°	895.1	786.3	728.6	686.5	541.2	391.3	348.6	280.2	215.1	159.0	107.7
45°	1279.2	1016.3	904.7	836.4	741.6	550.4	436.2	353.3	280.4	213.4	141.4
42.5°	1664.8	1314.0	1105.8	995.4	896.9	730.0	529.9	437.7	344.0	268.8	184.3
40°	2005.3	1621.0	1317.2	1175.2	1049.3	903.5	681.7	527.9	406.4	325.9	233.0
37.5°	2415.1	1970.5	1560.4	1363.7	1211.7	1048.4	835.7	622.2	481.3	385.7	281.8
35°	2811.6	2423.0	1832.6	1591.4	1392.5	1197.0	984.1	733.6	573.3	446.5	330.6
32.5°	3237.3	2848.6	2243.7	1845.7	1579.7	1348.8	1122.8	869.1	665.9	508.1	379.2
30°	3572.5	3128.7	2604.5	2100.2	1783.3	1518.3	1261.2	999.1	758.6	570.2	428.3
27.5°	3750.2	3371.1	2889.2	2383.8	2012.5	1692.0	1403.9	1123.4	851.3	638.4	479.5
25°	3933.9	3541.9	3092.7	2631.8	2238.7	1875.9	1545.9	1241.8	952.5	715.4	530.0
22.5°	4153.7	3687.1	3264.3	2828.3	2472.1	2062.3	1694.9	1361.8	1053.6	790.8	579.8
20°	4374.4	3821.9	3433.7	3095.7	2701.2	2264.1	1850.6	1478.8	1149.0	864.4	628.5
17.5°	4606.1	4066.7	3721.2	3356.6	2929.4	2459.5	2004.1	1592.1	1238.5	935.5	675.8
15°	5009.3	4433.2	4010.7	3610.5	3156.6	2647.5	2153.8	1701.0	1322.0	1003.9	719.8
12.5°	5375.4	4774.4	4300.5	3856.0	3379.9	2826.8	2298.2	1804.6	1399.4	1058.4	759.0
10°	5678.4	5090.9	4586.9	4091.7	3596.7	2996.1	2435.9	1889.0	1445.8	1099.1	795.1
7.5°	5926.4	5383.3	4866.2	4316.0	3783.0	3106.7	2505.3	1938.2	1481.7	1133.8	828.0
5°	6105.7	5578.4	5014.6	4394.1	3841.2	3152.2	2552.5	1978.2	1510.8	1162.6	857.7
2.5°	6157.4	5638.4	5070.3	4436.9	3880.6	3181.6	2586.2	2008.8	1533.1	1186.1	884.0
0°	6187.4	5677.9	5105.2	4463.2	3900.7	3195.6	2606.6	2029.8	1548.9	1204.5	906.9
-2.5°	6229.4	5711.9	5138.9	4530.8	3914.1	3238.4	2618.1	2043.5	1568.9	1211.1	920.3
-5°	6250.4	5725.1	5155.0	4576.3	3910.6	3263.9	2616.7	2047.9	1581.9	1213.4	930.0
-7.5°	6241.1	5720.6	5155.7	4590.6	3893.0	3269.8	2602.5	2043.3	1587.2	1211.7	936.1
-10°	6213.0	5697.4	5135.9	4553.7	3876.7	3246.7	2577.1	2030.3	1584.0	1206.5	938.5
-12.5°	6170.2	5654.1	5095.7	4500.7	3842.7	3199.0	2547.3	2008.1	1571.3	1198.1	936.9
-15°	6114.7	5591.1	5034.6	4433.3	3786.9	3135.6	2502.4	1975.8	1546.4	1188.7	931.4
-17.5°	6043.4	5508.8	4952.2	4353.4	3708.3	3057.1	2442.2	1933.7	1515.2	1177.1	920.2
-20°	5916.3	5398.3	4847.6	4262.5	3606.2	2964.0	2366.3	1881.8	1478.1	1160.6	904.1



REPORT NUMBER: P645525 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-727-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5773.3	5261.6	4717.1	4139.9	3483.3	2857.0	2274.5	1820.2	1435.3	1139.2	884.9
-25°	5620.9	5107.7	4565.4	3970.2	3347.5	2743.9	2182.6	1748.8	1387.2	1112.7	862.5
-27.5°	5441.9	4933.3	4393.6	3783.3	3189.8	2612.8	2094.5	1685.6	1340.5	1081.2	837.1
-30°	5240.7	4728.2	4178.8	3583.9	3017.0	2461.0	1995.7	1618.1	1301.1	1046.7	808.8
-32.5°	5010.0	4502.3	3940.7	3379.8	2834.4	2300.1	1886.7	1546.0	1255.5	1010.1	782.6
-35°	4747.5	4239.5	3688.6	3160.7	2641.0	2170.0	1780.1	1469.4	1203.8	970.5	755.1
-37.5°	4474.1	3957.4	3436.3	2931.8	2435.4	2029.3	1684.1	1393.7	1146.1	928.1	724.6
-40°	4161.8	3667.1	3171.5	2696.1	2257.3	1878.1	1580.4	1319.0	1091.6	883.0	691.2
-42.5°	3840.2	3362.6	2895.4	2446.6	2081.6	1755.0	1471.7	1238.6	1034.0	839.4	655.1
-45°	3493.4	3041.2	2601.8	2236.4	1902.9	1624.7	1376.5	1155.3	972.6	794.9	617.7
-47.5°	3127.5	2702.4	2334.9	2017.3	1751.0	1493.7	1275.3	1083.2	908.1	747.1	580.3
-50°	2740.1	2386.9	2089.0	1826.9	1587.2	1375.8	1174.5	1007.7	849.0	694.3	541.0
-52.5°	2396.6	2113.6	1867.2	1642.9	1442.8	1251.8	1087.6	930.2	788.1	643.8	500.0
-55°	2102.4	1870.4	1662.5	1475.8	1299.6	1145.4	997.4	861.5	725.6	593.2	458.5
-57.5°	1848.3	1645.6	1479.1	1316.9	1171.5	1040.0	915.2	791.3	665.6	540.7	425.5
-60°	1604.2	1452.8	1304.7	1174.4	1051.2	939.6	837.7	721.1	605.0	488.3	389.1
-62.5°	1393.3	1264.1	1152.1	1038.5	936.2	845.3	759.5	652.4	542.8	439.7	349.4
-65°	1195.7	1096.5	1001.1	910.5	825.6	748.5	679.2	582.0	480.3	388.3	308.3
-67.5°	1008.0	933.3	858.4	782.4	715.6	653.2	593.9	506.0	415.1	334.2	267.5
-70°	840.4	776.6	717.9	661.4	607.2	555.2	499.3	425.1	346.9	285.7	225.7
-72.5°	682.2	635.5	586.8	540.3	500.3	454.6	403.1	345.3	290.5	236.3	182.9
-75°	535.7	504.9	470.6	433.7	396.3	355.5	321.5	281.1	233.3	186.0	147.4
-77.5°	428.6	398.6	364.2	334.8	309.8	281.8	250.9	215.8	177.9	144.7	113.9
-80°	316.2	293.2	273.7	256.8	233.7	208.2	182.6	157.0	129.3	103.6	79.8
-82.5°	192.8	187.8	182.5	174.6	155.3	136.4	117.9	99.6	80.0	61.9	51.2
-85°	96.5	94.5	91.6	87.5	75.7	64.1	58.8	53.3	46.7	40.3	34.2
-87.5°	31.7	34.1	36.0	37.4	34.8	32.1	29.4	26.7	23.4	20.2	17.1
-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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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645525 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5D-727-U-LAM-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°	1.1	0.9	0.7	0.5	0.4	0.2	0.0
85°	2.1	1.8	1.4	1.1	0.7	0.4	0.0
82.5°	3.2	2.7	2.1	1.6	1.1	0.7	0.0
80°	4.1	3.5	2.8	2.1	1.4	0.9	0.0
77.5°	4.1	4.1	3.5	2.7	1.8	1.1	0.0
75°	4.2	4.3	4.1	3.2	2.2	1.3	0.0
72.5°	4.2	4.4	4.3	3.7	2.5	1.5	0.0
70°	4.3	4.6	4.5	4.1	2.9	1.8	0.0
67.5°	4.8	4.7	4.7	4.3	3.3	2.0	0.0
65°	5.5	5.4	4.9	4.5	3.6	2.2	0.0
62.5°	6.4	6.7	5.1	4.7	4.0	2.4	0.0
60°	7.6	8.2	5.4	4.9	4.4	2.6	0.0
57.5°	14.0	9.8	6.9	5.2	4.6	2.8	0.0
55°	22.2	11.6	8.6	5.4	4.8	3.0	0.0
52.5°	31.9	14.8	10.4	5.6	5.0	3.2	0.0
50°	43.0	25.3	12.3	5.8	5.3	3.4	0.0
47.5°	57.8	36.6	14.2	6.4	5.5	3.6	0.0
45°	87.2	48.6	16.2	7.9	5.8	3.8	0.0
42.5°	117.3	61.5	18.3	9.5	6.0	4.0	0.0
40°	148.1	75.0	24.7	11.4	6.3	4.2	0.0
37.5°	179.5	89.3	35.3	13.9	6.5	4.4	0.0
35°	211.4	111.0	46.1	16.6	6.8	4.5	0.0
32.5°	245.9	136.1	57.1	19.6	7.1	4.7	0.0
30°	285.4	161.1	68.1	22.8	7.3	4.8	0.0
27.5°	324.1	185.7	81.7	26.3	7.6	5.0	0.0
25°	361.9	209.9	95.6	29.9	7.9	5.1	0.0
22.5°	398.6	234.7	109.5	33.7	8.1	5.3	0.0
20°	434.1	261.2	123.3	37.6	8.4	5.4	0.0
17.5°	469.2	286.8	136.9	41.6	8.6	5.5	0.0
15°	502.9	311.5	150.1	45.5	8.9	5.6	0.0
12.5°	534.4	335.0	162.8	49.5	9.1	5.7	0.0
10°	563.7	357.2	175.1	53.4	9.4	5.8	0.0
7.5°	590.5	378.0	186.6	57.2	9.6	5.9	0.0
5°	615.0	397.2	197.3	60.8	9.8	6.0	0.0
2.5°	636.9	414.5	207.2	64.2	10.0	6.1	0.0
0°	656.2	430.0	216.0	67.3	10.2	6.1	0.0
-2.5°	665.8	439.8	224.2	71.7	11.8	6.4	0.0
-5°	672.8	447.5	231.2	75.7	13.4	6.8	0.0
-7.5°	677.4	453.2	236.9	79.3	14.9	7.1	0.0
-10°	679.4	456.7	241.3	82.4	16.4	7.4	0.0
-12.5°	679.0	458.1	244.1	85.0	17.8	7.7	0.0
-15°	676.4	457.5	245.5	87.1	19.1	7.9	0.0
-17.5°	671.4	454.7	245.4	88.6	20.3	8.2	0.0
-20°	663.7	449.9	243.6	89.5	21.4	8.4	0.0

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Scaled Data Report



REPORT NUMBER: P645525 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5D-727-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	652.6	443.0	240.2	89.8	22.5	8.5	0.0
-25°	639.0	432.4	235.0	89.4	23.4	8.7	0.0
-27.5°	622.7	419.1	228.2	88.3	24.1	8.7	0.0
-30°	603.9	404.0	219.6	86.5	24.7	8.8	0.0
-32.5°	582.6	387.1	209.6	83.9	25.2	8.8	0.0
-35°	559.6	368.5	198.5	80.7	25.6	8.8	0.0
-37.5°	534.8	349.7	186.3	76.6	25.7	8.8	0.0
-40°	508.2	332.7	173.0	71.9	25.7	8.7	0.0
-42.5°	479.6	314.5	162.9	66.7	25.6	8.6	0.0
-45°	449.3	295.2	156.0	61.5	25.3	8.4	0.0
-47.5°	417.3	274.7	147.8	55.5	24.8	8.2	0.0
-50°	390.5	253.1	138.5	53.5	24.2	7.9	0.0
-52.5°	363.7	230.5	128.0	52.5	23.4	7.6	0.0
-55°	335.8	213.5	116.3	50.8	22.5	7.3	0.0
-57.5°	306.9	196.1	103.4	48.6	21.4	7.0	0.0
-60°	277.6	177.1	90.0	45.9	20.2	6.6	0.0
-62.5°	250.8	156.7	83.6	42.6	19.0	6.2	0.0
-65°	222.1	134.8	76.3	38.9	17.6	5.7	0.0
-67.5°	191.6	116.6	68.2	34.7	16.2	5.2	0.0
-70°	159.4	102.0	59.3	30.1	14.6	4.7	0.0
-72.5°	134.8	86.4	49.7	26.5	13.0	4.2	0.0
-75°	110.2	69.7	39.6	23.0	11.3	3.6	0.0
-77.5°	84.4	52.3	32.7	19.4	9.5	3.0	0.0
-80°	57.6	39.8	26.4	15.7	7.7	2.5	0.0
-82.5°	42.3	30.1	20.0	11.8	5.8	1.9	0.0
-85°	28.3	20.2	13.4	7.9	3.9	1.2	0.0
-87.5°	14.2	10.1	6.7	4.0	2.0	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)