

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: P645541 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5E-735-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645541 (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-SA5E-735-U-LAM-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (80) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

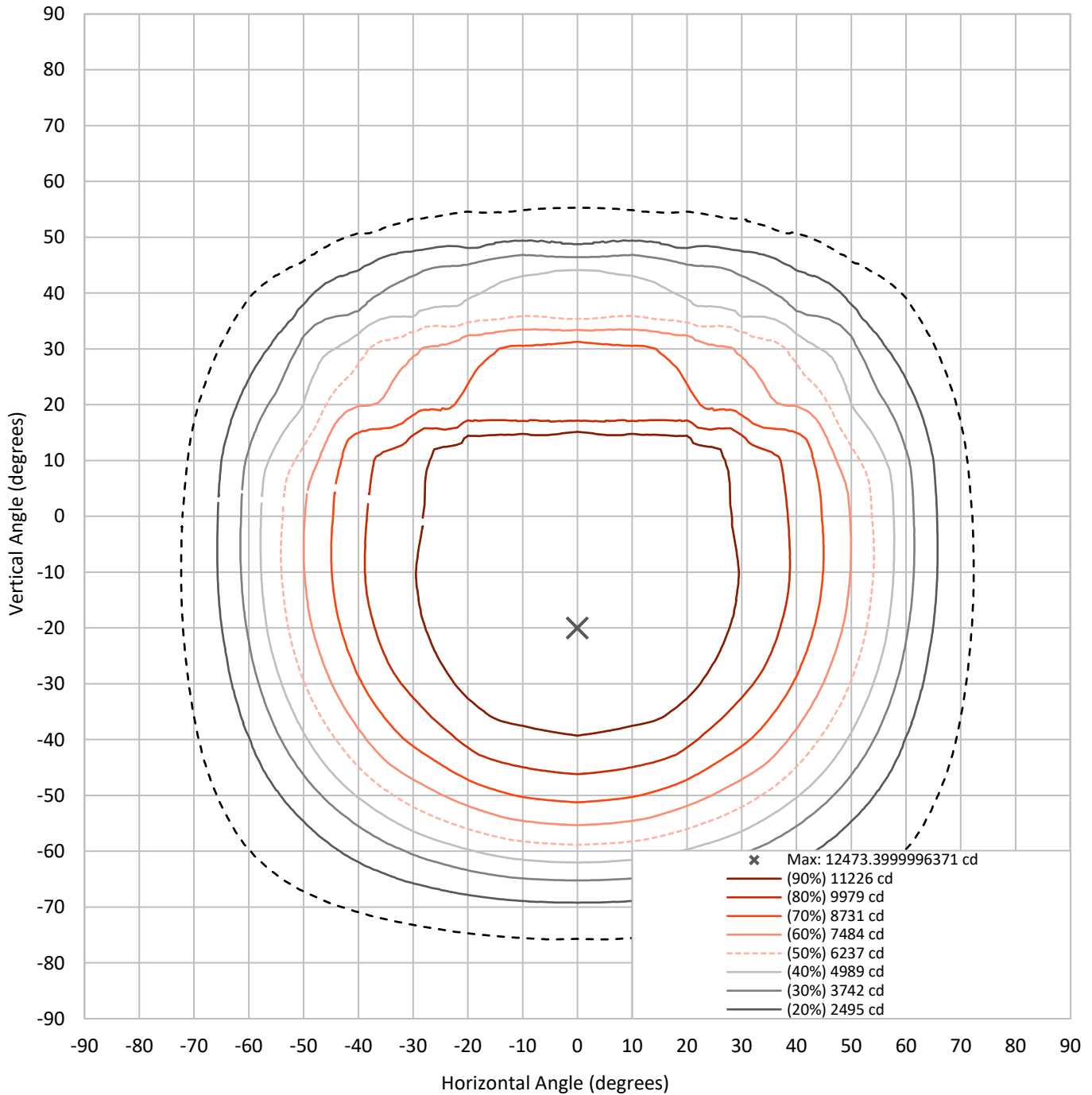
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	29247.6 lumens	Max Intensity:	12473.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	93.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	22864 lumens	Field Lumens:	28666.8 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	313.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		





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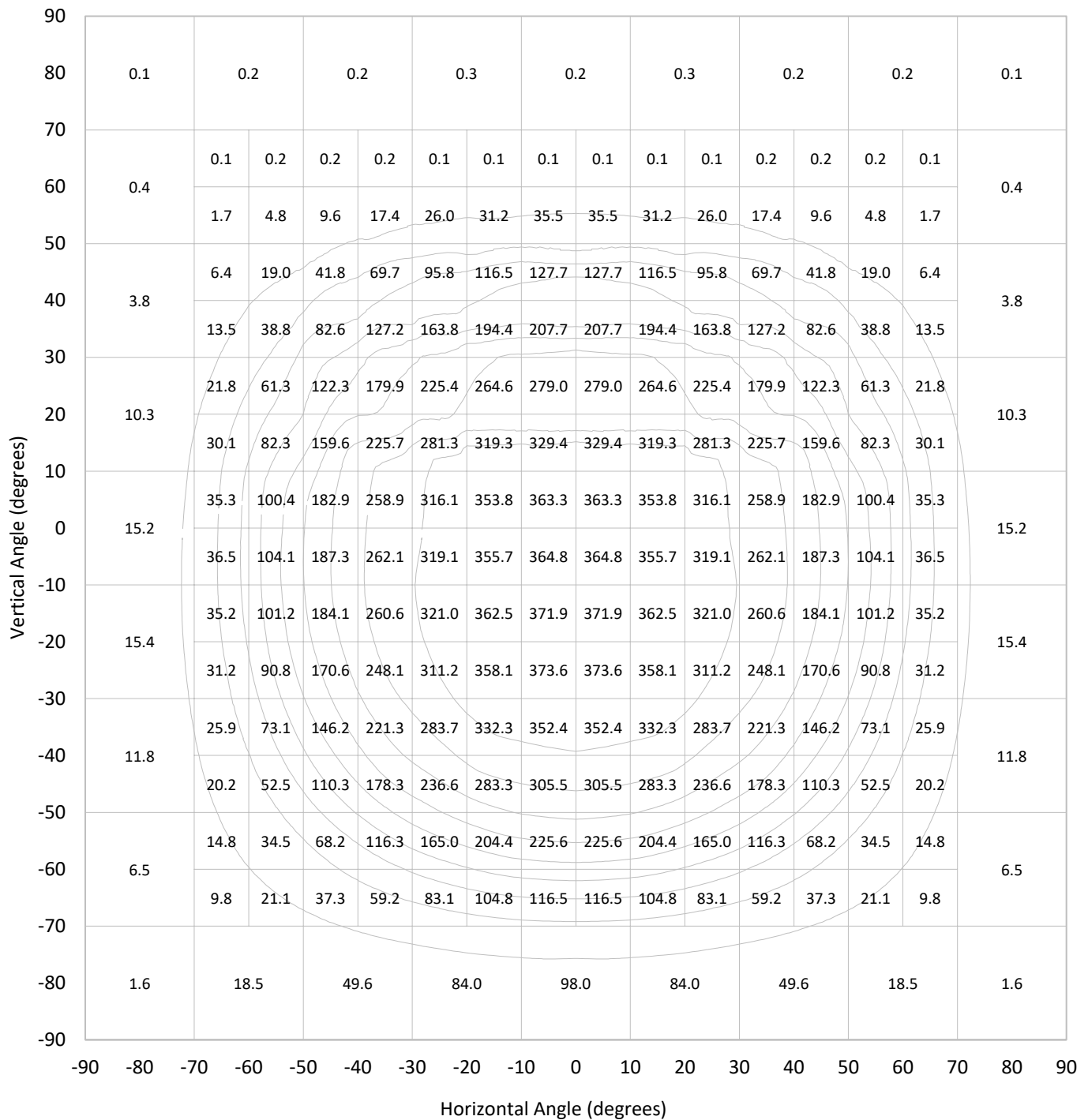
### Iso-Candela Plot





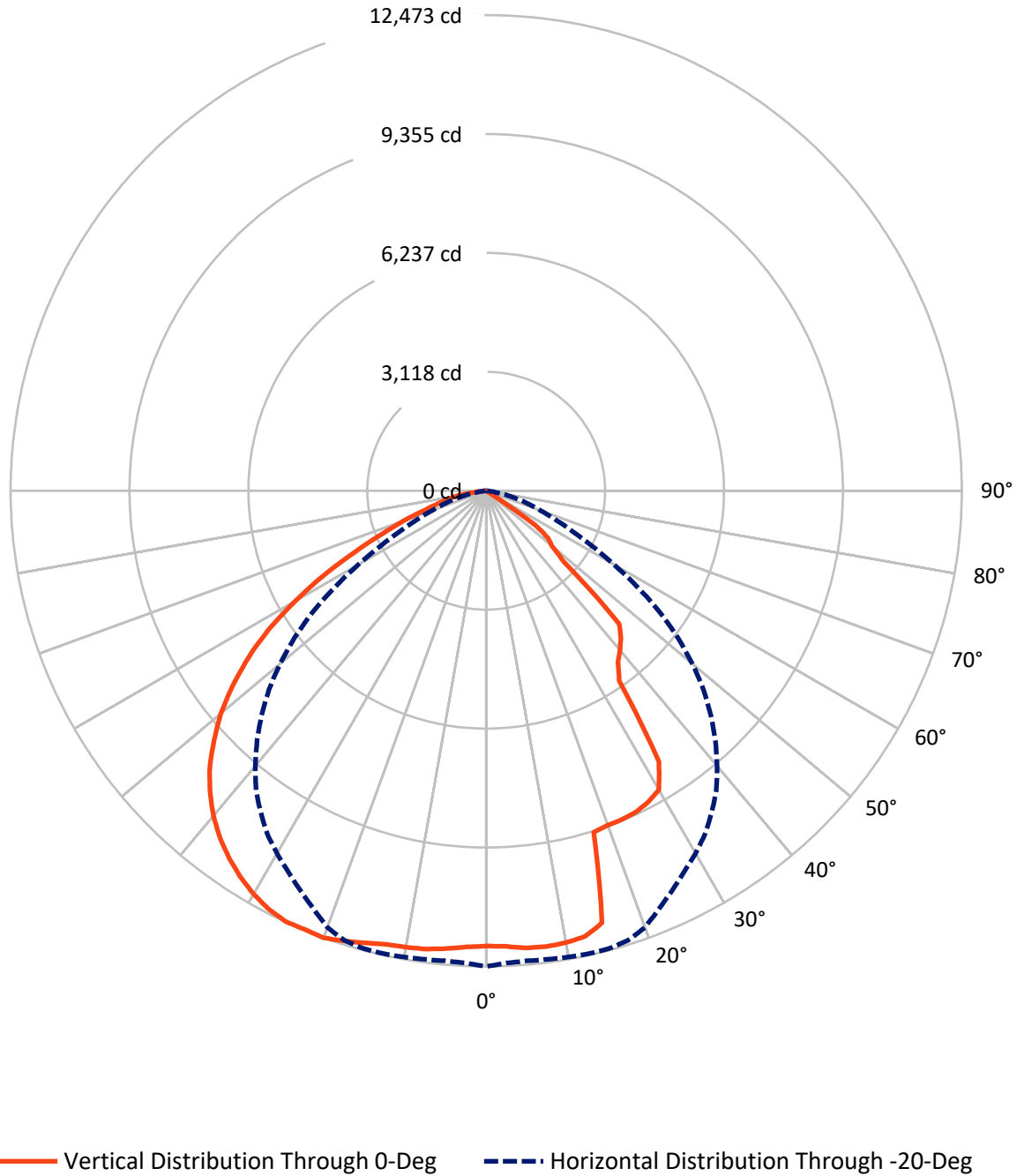
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### Lumen Table



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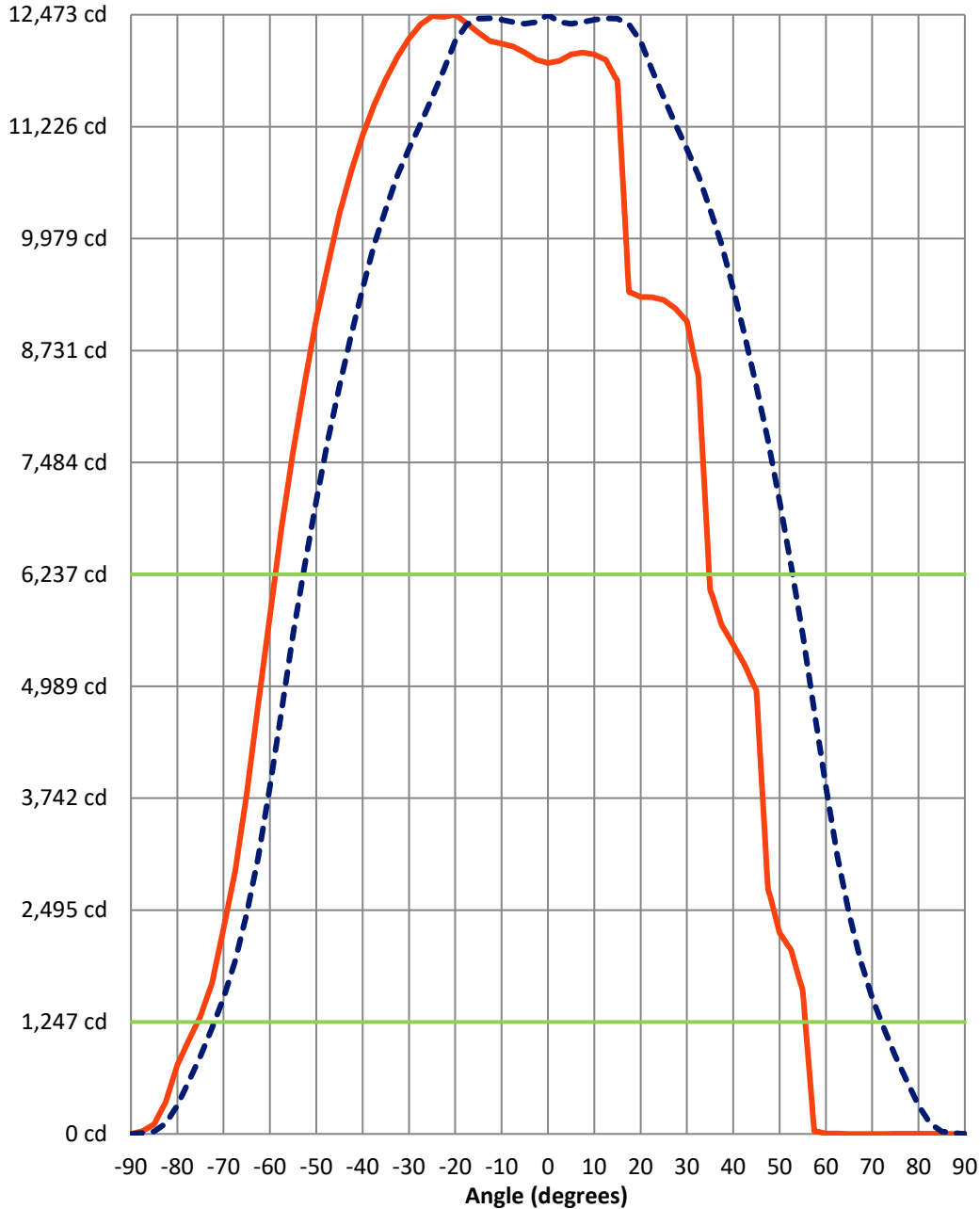
### Luminous Intensity Polar Plot





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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 22864  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 28666.8  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 580.9  
 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	0.3	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	2.6	2.3
82.5°	0.0	0.9	1.4	2.1	2.8	3.4	4.1	4.2	4.0	3.4	2.7
80°	0.0	1.2	1.9	2.8	3.7	4.6	5.3	4.7	4.1	3.4	2.8
77.5°	0.0	1.4	2.3	3.4	4.6	5.4	5.3	4.8	4.1	3.5	2.8
75°	0.0	1.7	2.8	4.1	5.3	5.5	5.4	4.8	4.2	3.5	2.9
72.5°	0.0	2.0	3.3	4.8	5.6	5.7	5.4	4.8	4.2	3.6	3.0
70°	0.0	2.3	3.7	5.4	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	2.9	4.7	5.9	6.4	7.1	7.1	5.1	7.1	8.3	10.4
62.5°	0.0	3.1	5.2	6.2	6.7	8.8	8.3	7.1	9.9	14.6	23.2
60°	0.0	3.4	5.7	6.4	7.0	10.7	9.8	10.0	12.8	37.0	40.2
57.5°	0.0	3.7	5.9	6.7	9.0	12.8	18.2	14.2	36.2	62.8	73.0
55°	0.0	4.0	6.2	7.0	11.3	15.1	29.1	23.0	67.1	96.9	118.1
52.5°	0.0	4.2	6.6	7.3	13.6	19.4	41.7	58.3	100.8	152.1	171.4
50°	0.0	4.5	6.9	7.6	16.0	33.1	56.2	98.6	144.2	213.5	267.7
47.5°	0.0	4.7	7.2	8.3	18.6	47.8	75.6	140.7	207.7	281.2	366.1
45°	0.0	5.0	7.5	10.4	21.2	63.5	114.0	184.8	278.9	366.5	461.7
42.5°	0.0	5.2	7.9	12.4	24.0	80.3	153.3	240.8	351.3	449.5	571.9
40°	0.0	5.5	8.2	15.0	32.3	98.1	193.6	304.5	425.8	531.0	689.8
37.5°	0.0	5.7	8.5	18.2	46.2	116.7	234.6	368.3	504.0	628.9	813.0
35°	0.0	5.9	8.9	21.7	60.3	145.0	276.2	432.0	583.5	749.1	958.6
32.5°	0.0	6.1	9.2	25.6	74.6	177.9	321.3	495.6	663.9	870.1	1135.6
30°	0.0	6.3	9.6	29.8	89.0	210.4	373.0	559.7	745.0	991.3	1305.5
27.5°	0.0	6.5	9.9	34.4	106.8	242.6	423.6	626.5	834.2	1112.3	1467.9
25°	0.0	6.7	10.3	39.1	125.0	274.3	473.0	692.6	934.8	1244.6	1622.7
22.5°	0.0	6.9	10.6	44.0	143.1	306.6	520.9	757.6	1033.4	1376.7	1779.3
20°	0.0	7.1	11.0	49.1	161.2	341.3	567.2	821.2	1129.4	1501.4	1932.2
17.5°	0.0	7.2	11.3	54.3	178.9	374.8	613.1	883.1	1222.4	1618.4	2080.3
15°	0.0	7.4	11.6	59.5	196.1	407.1	657.1	940.5	1311.8	1727.5	2222.6
12.5°	0.0	7.5	11.9	64.7	212.8	437.8	698.3	991.8	1383.0	1828.6	2358.0
10°	0.0	7.6	12.2	69.8	228.8	466.8	736.5	1038.9	1436.2	1889.2	2468.2
7.5°	0.0	7.8	12.5	74.7	243.9	494.0	771.7	1081.9	1481.4	1936.2	2532.5
5°	0.0	7.9	12.8	79.4	257.9	519.0	803.6	1120.7	1519.1	1974.1	2584.8
2.5°	0.0	7.9	13.1	83.8	270.8	541.7	832.2	1155.1	1549.8	2003.2	2624.8
0°	0.0	8.0	13.3	87.9	282.3	561.9	857.5	1185.0	1573.8	2023.9	2652.3
-2.5°	0.0	8.5	15.4	93.6	293.0	574.7	870.1	1202.5	1582.4	2050.0	2670.2
-5°	0.0	8.9	17.4	98.9	302.2	584.8	879.2	1215.2	1585.4	2067.0	2675.9
-7.5°	0.0	9.3	19.4	103.6	309.6	592.2	885.1	1223.2	1583.2	2073.8	2670.0
-10°	0.0	9.7	21.3	107.7	315.3	596.8	887.7	1226.3	1576.4	2069.8	2653.0
-12.5°	0.0	10.1	23.2	111.1	319.1	598.6	887.3	1224.2	1565.5	2053.0	2623.9
-15°	0.0	10.4	24.9	113.8	320.9	597.8	883.8	1217.0	1553.1	2020.5	2581.7
-17.5°	0.0	10.7	26.5	115.8	320.6	594.2	877.3	1202.4	1538.0	1979.8	2526.7
-20°	0.0	10.9	28.0	117.0	318.3	587.9	867.3	1181.4	1516.6	1931.3	2458.9

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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	11.2	29.3	117.3	313.8	578.9	852.8	1156.3	1488.6	1875.5	2378.3
-25°	0.0	11.3	30.5	116.8	307.1	565.0	834.9	1127.0	1454.0	1812.5	2285.1
-27.5°	0.0	11.5	31.5	115.4	298.2	547.7	813.7	1093.9	1412.7	1751.6	2202.5
-30°	0.0	11.5	32.3	113.0	287.0	527.9	789.2	1056.9	1367.6	1700.1	2114.4
-32.5°	0.0	11.6	32.9	109.7	274.0	505.8	761.3	1022.6	1319.8	1640.5	2020.1
-35°	0.0	11.6	33.4	105.4	259.4	481.5	731.2	986.6	1268.1	1573.0	1920.0
-37.5°	0.0	11.5	33.6	100.1	243.4	457.0	698.9	946.8	1212.8	1497.6	1821.1
-40°	0.0	11.4	33.6	93.9	226.0	434.8	664.0	903.2	1153.8	1426.3	1723.5
-42.5°	0.0	11.2	33.4	87.1	212.8	411.0	626.7	856.0	1096.9	1351.1	1618.5
-45°	0.0	11.0	33.1	80.3	203.8	385.7	587.1	807.1	1038.6	1270.9	1509.5
-47.5°	0.0	10.7	32.5	72.5	193.2	358.9	545.2	758.2	976.2	1186.7	1415.3
-50°	0.0	10.4	31.6	69.9	181.0	330.8	510.2	706.9	907.2	1109.4	1316.7
-52.5°	0.0	10.0	30.6	68.5	167.2	301.3	475.2	653.3	841.2	1029.8	1215.6
-55°	0.0	9.6	29.4	66.4	151.9	278.9	438.8	599.1	775.0	948.1	1125.7
-57.5°	0.0	9.1	28.0	63.5	135.1	256.2	401.1	556.0	706.5	869.7	1033.9
-60°	0.0	8.6	26.4	59.9	117.5	231.5	362.7	508.4	637.9	790.5	942.2
-62.5°	0.0	8.1	24.8	55.7	109.2	204.7	327.7	456.6	574.5	709.2	852.4
-65°	0.0	7.5	23.1	50.8	99.7	176.2	290.2	402.8	507.4	627.6	760.4
-67.5°	0.0	6.8	21.2	45.3	89.1	152.3	250.3	349.5	436.7	542.4	661.1
-70°	0.0	6.2	19.1	39.3	77.5	133.3	208.3	294.8	373.3	453.3	555.4
-72.5°	0.0	5.5	17.0	34.6	65.0	112.8	176.2	239.0	308.7	379.5	451.1
-75°	0.0	4.7	14.8	30.1	51.7	91.1	144.0	192.6	243.0	304.7	367.2
-77.5°	0.0	4.0	12.5	25.4	42.7	68.4	110.3	148.9	189.0	232.4	281.9
-80°	0.0	3.2	10.1	20.5	34.5	52.1	75.3	104.3	135.4	169.0	205.1
-82.5°	0.0	2.4	7.6	15.5	26.1	39.4	55.3	67.0	80.9	104.6	130.2
-85°	0.0	1.6	5.1	10.4	17.5	26.4	37.1	44.8	52.7	61.0	69.7
-87.5°	0.0	0.8	2.6	5.2	8.8	13.2	18.6	22.4	26.4	30.6	34.9
-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	1.5	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.1
85°	2.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
75°	2.7	2.7	2.9	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7
72.5°	3.1	3.4	3.4	3.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
70°	4.2	4.3	3.8	3.1	2.7	2.8	3.1	3.0	2.7	2.7	2.7
67.5°	5.1	4.5	3.9	3.7	3.7	4.0	3.9	3.3	2.7	2.7	2.8
65°	5.2	4.6	6.7	7.5	5.5	4.7	4.1	3.4	3.7	3.8	3.8
62.5°	7.9	9.9	12.7	22.5	16.8	4.9	8.8	10.4	7.6	6.3	6.8
60°	26.0	17.7	52.5	75.2	46.9	17.2	20.9	69.6	60.3	11.2	37.7
57.5°	54.7	75.0	138.2	140.7	97.3	67.2	195.4	225.7	170.8	99.7	152.4
55°	120.4	185.0	229.2	212.2	231.7	350.9	416.9	374.5	315.3	485.0	619.6
52.5°	235.2	301.1	316.1	363.0	519.6	596.9	572.0	611.7	793.2	985.1	1026.7
50°	347.2	401.1	443.2	640.8	763.3	771.0	828.0	1007.8	1250.0	1367.4	1339.0
47.5°	455.5	511.4	707.1	897.0	952.0	1027.4	1169.6	1516.8	1773.3	1778.3	1749.3
45°	570.0	719.2	969.0	1092.9	1182.2	1328.0	1671.5	2150.4	2175.2	2244.8	2672.7
42.5°	692.5	953.9	1171.9	1300.7	1444.9	1717.0	2175.4	2489.6	2597.6	2902.2	3246.4
40°	890.8	1180.5	1371.0	1535.6	1721.1	2118.1	2620.2	2914.6	3002.4	3266.0	3524.8
37.5°	1092.0	1369.8	1583.3	1781.9	2039.0	2574.9	3155.8	3398.5	3442.9	3491.1	4064.4
35°	1285.8	1564.0	1819.5	2079.4	2394.6	3166.1	3673.8	3902.1	3895.0	4220.5	4820.8
32.5°	1467.0	1762.4	2064.0	2411.6	2931.8	3722.2	4230.1	4366.7	4574.0	5047.6	5867.0
30°	1647.9	1983.8	2330.1	2744.2	3403.2	4088.2	4668.1	4887.9	5243.1	5783.7	6380.0
27.5°	1834.3	2210.8	2629.5	3114.9	3775.2	4405.0	4900.2	5425.6	5770.7	6255.1	6679.3
25°	2019.9	2451.1	2925.2	3438.8	4041.2	4628.1	5140.3	5747.0	6117.6	6508.1	6903.9
22.5°	2214.6	2694.7	3230.2	3695.6	4265.4	4817.7	5427.5	6085.6	6567.4	6815.6	7081.3
20°	2418.1	2958.3	3529.5	4045.0	4486.7	4993.9	5715.9	6515.5	7137.5	7416.7	7453.2
17.5°	2618.6	3213.7	3827.8	4385.9	4862.3	5313.8	6018.7	7030.5	7804.0	8063.6	8179.0
15°	2814.2	3459.4	4124.5	4717.7	5240.6	5792.7	6545.5	7574.4	8458.6	8745.9	8927.6
12.5°	3003.0	3693.7	4416.4	5038.5	5619.2	6238.5	7023.8	7965.8	8772.8	9328.5	9661.9
10°	3182.9	3914.9	4699.7	5346.4	5993.5	6652.0	7419.7	8257.3	8914.3	9450.3	9923.4
7.5°	3273.6	4059.4	4943.1	5639.5	6358.5	7034.1	7743.8	8462.8	9016.2	9541.9	9999.4
5°	3335.2	4118.8	5019.1	5741.6	6552.3	7289.1	7978.1	8597.8	9082.7	9603.8	10050.6
2.5°	3379.3	4157.2	5070.6	5797.5	6625.2	7367.5	8045.6	8642.9	9137.6	9648.0	10105.6
0°	3405.9	4175.5	5096.9	5831.9	6670.8	7419.1	8084.8	8660.0	9174.0	9669.3	10161.9
-2.5°	3421.0	4231.4	5114.4	5920.3	6714.8	7463.5	8139.7	8701.1	9238.2	9709.5	10203.4
-5°	3419.1	4264.8	5109.8	5979.6	6735.9	7480.8	8167.1	8719.7	9273.1	9739.7	10220.3
-7.5°	3400.6	4272.5	5086.7	5998.3	6736.8	7475.0	8155.0	8728.7	9272.5	9767.3	10221.9
-10°	3367.5	4242.3	5065.4	5950.2	6710.9	7444.7	8118.2	8709.1	9250.8	9761.8	10213.1
-12.5°	3328.5	4180.0	5021.1	5880.9	6658.4	7388.0	8062.3	8659.2	9210.3	9720.0	10192.7
-15°	3269.8	4097.2	4948.1	5792.9	6578.5	7305.6	7989.8	8577.8	9147.9	9647.0	10132.2
-17.5°	3191.1	3994.6	4845.4	5688.4	6470.9	7198.2	7896.7	8470.3	9037.7	9553.4	10021.7
-20°	3091.9	3873.0	4712.1	5569.7	6334.1	7053.8	7730.6	8331.3	8894.9	9419.5	9911.7



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 CATALOG NUMBER: GFLD-SA5E-735-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°	2972.0	3733.2	4551.5	5409.5	6163.6	6875.1	7543.8	8154.2	8738.2	9245.6	9770.0
-25°	2851.9	3585.5	4374.1	5187.8	5965.4	6674.0	7344.6	7939.3	8536.2	9063.9	9562.1
-27.5°	2736.8	3414.1	4168.1	4943.6	5740.9	6446.1	7110.6	7705.8	8285.3	8862.3	9341.9
-30°	2607.7	3215.8	3942.2	4683.0	5460.2	6178.2	6847.7	7465.3	8016.8	8586.5	9101.5
-32.5°	2465.2	3005.4	3703.7	4416.3	5149.2	5883.0	6546.3	7159.7	7733.4	8272.4	8812.9
-35°	2325.9	2835.5	3450.9	4129.9	4819.7	5539.6	6203.4	6810.9	7406.2	7940.1	8456.7
-37.5°	2200.6	2651.6	3182.2	3830.9	4490.0	5170.9	5846.0	6434.2	7000.7	7587.7	8091.4
-40°	2065.0	2454.0	2949.6	3522.9	4144.1	4791.7	5438.1	6046.4	6579.1	7159.1	7713.1
-42.5°	1923.0	2293.2	2720.0	3196.9	3783.3	4393.8	5017.8	5612.9	6166.0	6713.2	7262.2
-45°	1798.7	2122.9	2486.5	2922.2	3399.6	3973.8	4564.7	5157.9	5688.6	6210.1	6752.3
-47.5°	1666.4	1951.8	2287.9	2635.9	3050.9	3531.1	4086.6	4633.8	5177.1	5673.2	6153.0
-50°	1534.6	1797.7	2073.9	2387.2	2729.7	3118.9	3580.3	4088.9	4585.2	5094.6	5569.8
-52.5°	1421.1	1635.6	1885.2	2146.7	2439.9	2761.8	3131.6	3549.3	4000.7	4433.0	4907.1
-55°	1303.3	1496.7	1698.1	1928.3	2172.3	2444.0	2747.1	3098.3	3442.7	3842.5	4229.5
-57.5°	1195.9	1358.9	1530.7	1720.8	1932.8	2150.3	2415.1	2688.3	3000.8	3311.6	3618.1
-60°	1094.6	1227.8	1373.5	1534.5	1704.9	1898.4	2096.2	2330.7	2582.4	2830.4	3090.5
-62.5°	992.4	1104.5	1223.3	1357.0	1505.5	1651.8	1820.6	2001.4	2186.6	2396.8	2601.8
-65°	887.5	978.1	1078.8	1189.7	1308.2	1432.8	1562.5	1696.3	1853.9	2007.9	2157.0
-67.5°	775.9	853.5	935.0	1022.3	1121.7	1219.5	1317.2	1430.2	1546.2	1660.3	1778.4
-70°	652.3	725.5	793.4	864.2	938.1	1014.7	1098.2	1181.1	1262.9	1348.3	1443.1
-72.5°	526.7	593.9	653.7	706.0	766.7	830.4	891.3	949.5	1011.3	1076.1	1140.3
-75°	420.0	464.5	517.9	566.7	614.9	659.7	699.9	749.3	800.8	848.0	886.7
-77.5°	327.8	368.2	404.8	437.5	475.9	520.8	560.0	593.6	626.3	662.0	699.8
-80°	238.5	272.0	305.3	335.5	357.7	383.1	413.1	447.4	477.2	501.5	523.5
-82.5°	154.0	178.2	202.9	228.1	238.4	245.4	252.0	263.9	282.4	300.6	317.9
-85°	76.8	83.8	98.9	114.3	119.7	123.5	126.1	127.5	133.7	139.5	144.5
-87.5°	38.4	41.9	45.4	48.9	47.1	44.6	41.4	37.7	36.8	35.7	34.3
-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: P645541 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-735-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°	2.2	2.3	2.3	2.4	2.4	1.9	1.3	0.6	0.0	0.0	0.0
85°	2.7	2.7	2.7	2.7	2.7	2.6	2.5	2.5	2.5	1.9	1.3
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
75°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
72.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
70°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
67.5°	2.9	2.7	2.7	2.7	2.8	2.7	2.7	2.7	2.7	2.4	1.7
65°	3.7	3.7	3.8	3.7	3.3	3.2	3.3	3.3	2.9	2.4	1.6
62.5°	6.7	7.5	5.9	5.9	5.8	5.6	5.4	5.1	4.7	4.5	4.6
60°	41.8	24.7	14.5	16.8	15.1	10.1	12.8	15.0	15.2	13.9	12.2
57.5°	231.5	172.9	128.0	305.6	306.5	146.3	176.2	277.0	228.2	74.9	69.6
55°	643.9	770.2	1013.7	962.8	978.5	1125.4	1228.9	1087.9	1066.5	1136.4	1312.8
52.5°	1156.8	1277.2	1359.1	1435.7	1529.0	1629.2	1732.4	1798.1	1859.5	1925.0	1963.9
50°	1477.3	1646.9	1763.4	1720.5	1961.8	2060.5	1960.3	2049.9	2159.2	2189.1	2203.2
47.5°	2181.3	2430.0	2479.4	2639.6	2783.6	2780.5	2658.3	2665.4	2990.7	3277.7	3418.7
45°	3134.9	3143.3	3299.7	3582.7	3784.9	3721.2	3891.9	4279.9	4409.1	4534.0	4636.4
42.5°	3506.4	3660.3	3909.9	4160.0	4310.8	4441.6	4567.9	4710.6	4878.3	5014.3	5123.0
40°	3866.1	3990.1	4245.6	4447.1	4572.0	4694.1	4841.3	4999.4	5152.8	5272.3	5353.9
37.5°	4419.7	4515.9	4578.1	4765.1	5001.3	4892.3	5171.7	5372.0	5463.6	5584.9	5595.8
35°	5257.3	5193.3	5110.4	5855.0	5899.6	5648.1	5909.4	6219.9	6056.3	6397.2	6580.4
32.5°	5999.9	5990.3	6640.1	7031.6	6806.3	6990.2	7592.5	7565.8	7967.2	8153.5	8100.4
30°	6699.4	6938.2	7314.0	7605.5	7644.5	7934.3	8201.8	8436.1	8678.5	8895.7	8910.7
27.5°	7054.6	7366.1	7621.2	7789.9	7978.1	8222.0	8464.7	8728.6	8934.7	9070.9	9104.2
25°	7269.4	7587.6	7780.7	7962.4	8170.1	8380.6	8652.4	8939.7	9105.2	9189.3	9216.1
22.5°	7458.8	7744.7	7952.4	8099.8	8323.3	8549.8	8803.1	9046.4	9226.3	9263.0	9276.4
20°	7641.1	7915.9	8262.7	8479.6	8468.8	8723.8	8968.0	9161.5	9311.4	9310.6	9314.1
17.5°	8168.5	8266.6	8896.0	9373.9	9137.3	9012.5	9683.9	9696.7	9736.6	9657.3	9485.5
15°	8949.4	9127.9	9901.2	10419.2	10256.1	10247.6	11217.4	10976.9	11183.9	11129.7	11362.7
12.5°	9776.6	9988.0	10565.8	11074.4	11316.8	11376.4	11700.4	12003.9	12066.3	12041.7	11995.9
10°	10340.0	10641.2	10873.3	11182.0	11426.5	11676.0	11863.6	12081.5	12152.9	12111.7	12053.3
7.5°	10413.4	10711.1	10983.5	11254.5	11487.3	11688.3	11882.9	12060.4	12133.0	12109.1	12069.0
5°	10460.1	10729.7	10993.8	11268.7	11491.4	11677.5	11871.6	12051.4	12094.2	12065.3	12026.3
2.5°	10488.8	10738.4	10993.0	11266.7	11469.0	11646.2	11842.6	12034.5	12034.1	12021.4	11998.6
0°	10502.8	10753.1	11048.7	11296.3	11522.7	11690.5	11884.9	12071.3	12058.0	12023.3	11983.4
-2.5°	10532.7	10786.4	11088.0	11293.2	11548.5	11702.1	11903.0	12064.5	12058.2	12041.2	12021.4
-5°	10559.4	10844.6	11126.9	11342.7	11598.5	11799.4	11999.1	12125.3	12132.1	12108.4	12075.1
-7.5°	10575.7	10891.9	11161.1	11377.9	11626.0	11859.6	12062.2	12194.6	12197.6	12166.1	12126.3
-10°	10570.3	10904.1	11181.2	11405.2	11659.3	11890.0	12101.8	12269.8	12264.3	12234.3	12200.3
-12.5°	10550.3	10883.7	11168.3	11393.1	11681.5	11919.0	12157.3	12324.3	12333.3	12310.7	12274.0
-15°	10506.4	10850.7	11127.5	11372.9	11655.6	11933.3	12178.1	12362.4	12395.4	12376.9	12347.9
-17.5°	10419.7	10782.9	11076.5	11341.0	11612.3	11908.2	12186.7	12388.3	12433.2	12425.9	12401.8
-20°	10305.7	10680.6	10978.7	11255.7	11551.0	11856.0	12180.0	12364.2	12429.4	12433.5	12417.1

Classified

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

Scaled Data Report



REPORT NUMBER: P645541 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5E-735-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°	10177.8	10544.8	10861.0	11133.4	11453.7	11762.3	12055.7	12271.4	12380.9	12401.3	12402.7
-25°	10024.5	10401.6	10715.7	11005.8	11303.7	11622.4	11918.9	12159.7	12270.8	12323.8	12340.3
-27.5°	9807.7	10197.5	10506.7	10813.3	11116.3	11445.6	11757.2	12019.0	12109.3	12182.4	12211.6
-30°	9553.9	9939.4	10254.6	10534.8	10881.5	11217.2	11538.8	11767.3	11903.5	11986.9	12032.6
-32.5°	9262.0	9651.1	9981.9	10274.6	10604.1	10939.7	11242.4	11483.3	11671.2	11767.5	11816.2
-35°	8945.5	9342.7	9689.1	9997.4	10307.6	10627.5	10941.0	11193.1	11407.1	11489.9	11551.0
-37.5°	8563.7	9001.9	9357.0	9675.0	9969.8	10270.5	10597.0	10885.1	11093.0	11173.3	11237.7
-40°	8172.2	8595.8	8953.9	9293.0	9584.5	9912.9	10227.3	10529.4	10709.7	10803.4	10876.3
-42.5°	7758.9	8141.5	8482.1	8811.6	9136.1	9474.2	9788.4	10102.3	10258.3	10371.1	10460.5
-45°	7281.8	7637.8	7968.8	8277.1	8611.7	8944.0	9258.5	9535.9	9721.5	9868.3	9982.6
-47.5°	6645.7	7079.4	7411.7	7705.0	8036.6	8357.3	8662.0	8922.8	9126.4	9298.2	9431.0
-50°	5999.6	6415.9	6790.7	7120.2	7427.9	7724.4	8014.5	8269.6	8485.1	8671.3	8805.7
-52.5°	5363.5	5753.5	6125.4	6465.5	6761.3	7041.2	7306.6	7563.3	7790.5	7989.6	8119.6
-55°	4644.6	5048.6	5416.5	5733.7	6029.2	6305.9	6567.9	6811.3	7035.0	7237.8	7362.4
-57.5°	3970.3	4324.7	4666.9	4959.7	5238.7	5502.2	5750.6	5983.7	6198.9	6389.7	6509.9
-60°	3350.3	3608.7	3903.3	4173.7	4420.9	4645.2	4877.0	5094.3	5292.0	5459.8	5571.8
-62.5°	2802.4	3016.6	3229.2	3434.8	3635.4	3836.9	4030.9	4211.2	4376.4	4513.8	4611.9
-65°	2314.2	2486.3	2640.1	2785.9	2924.8	3083.7	3231.3	3370.0	3498.5	3603.8	3678.6
-67.5°	1905.6	2026.5	2132.9	2232.9	2342.4	2454.7	2560.0	2651.7	2730.2	2792.6	2841.9
-70°	1536.7	1625.7	1705.9	1785.7	1865.6	1938.6	2008.3	2075.8	2139.9	2192.1	2231.3
-72.5°	1203.5	1264.2	1318.9	1380.3	1437.9	1493.3	1541.5	1580.4	1610.6	1640.0	1665.7
-75°	917.5	963.2	1024.8	1076.8	1119.8	1157.8	1192.7	1223.7	1251.0	1275.2	1296.4
-77.5°	738.0	776.8	816.0	854.0	890.6	917.9	943.3	968.6	993.5	1014.9	1033.8
-80°	547.0	575.9	606.1	636.6	666.9	682.0	694.0	705.1	715.0	727.8	739.8
-82.5°	334.4	350.8	367.7	384.7	401.7	406.0	407.4	407.1	404.8	400.2	393.2
-85°	148.8	149.7	149.2	147.5	144.7	138.8	131.6	123.2	113.9	112.4	110.7
-87.5°	32.7	32.0	31.1	30.1	29.0	28.9	28.8	28.6	28.3	29.3	30.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645541 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-735-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°	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.9	2.5	2.5
82.5°	2.6	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.7	2.7	2.7
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
75°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
72.5°	2.7	2.7	1.4	0.0	1.4	2.7	2.7	2.7	2.7	2.7	2.7
70°	2.7	2.7	1.4	0.0	1.4	2.7	2.7	2.7	2.7	2.7	2.7
67.5°	1.0	0.2	0.0	0.0	0.0	0.2	1.0	1.7	2.4	2.7	2.7
65°	0.9	0.1	0.0	0.0	0.0	0.1	0.9	1.6	2.4	2.9	3.3
62.5°	4.9	5.1	5.2	5.3	5.2	5.1	4.9	4.6	4.5	4.7	5.1
60°	9.6	6.3	5.3	5.3	5.3	6.3	9.6	12.2	13.9	15.2	15.0
57.5°	58.8	43.8	37.3	34.6	37.3	43.8	58.8	69.6	74.9	228.2	277.0
55°	1439.1	1512.4	1567.1	1592.5	1567.1	1512.4	1439.1	1312.8	1136.4	1066.5	1087.9
52.5°	1998.2	2030.0	2048.4	2047.8	2048.4	2030.0	1998.2	1963.9	1925.0	1859.5	1798.1
50°	2227.2	2242.7	2248.2	2244.9	2248.2	2242.7	2227.2	2203.2	2189.1	2159.2	2049.9
47.5°	3289.9	3005.2	2795.8	2745.5	2795.8	3005.2	3289.9	3418.7	3277.7	2990.7	2665.4
45°	4685.5	4793.5	4901.0	4934.5	4901.0	4793.5	4685.5	4636.4	4534.0	4409.1	4279.9
42.5°	5168.8	5204.0	5223.9	5224.8	5223.9	5204.0	5168.8	5123.0	5014.3	4878.3	4710.6
40°	5399.5	5432.7	5452.0	5453.8	5452.0	5432.7	5399.5	5353.9	5272.3	5152.8	4999.4
37.5°	5609.0	5637.3	5655.9	5674.8	5655.9	5637.3	5609.0	5595.8	5584.9	5463.6	5372.0
35°	6555.7	6341.3	6032.8	6079.6	6032.8	6341.3	6555.7	6580.4	6397.2	6056.3	6219.9
32.5°	8183.4	8273.6	8329.8	8425.7	8329.8	8273.6	8183.4	8100.4	8153.5	7967.2	7565.8
30°	8934.4	8964.2	9009.3	9056.8	9009.3	8964.2	8934.4	8910.7	8895.7	8678.5	8436.1
27.5°	9121.8	9152.7	9180.1	9200.6	9180.1	9152.7	9121.8	9104.2	9070.9	8934.7	8728.6
25°	9219.9	9239.1	9268.2	9293.8	9268.2	9239.1	9219.9	9216.1	9189.3	9105.2	8939.7
22.5°	9268.6	9270.6	9293.4	9325.7	9293.4	9270.6	9268.6	9276.4	9263.0	9226.3	9046.4
20°	9302.0	9283.9	9307.5	9328.4	9307.5	9283.9	9302.0	9314.1	9310.6	9311.4	9161.5
17.5°	9727.8	9484.9	9385.1	9387.0	9385.1	9484.9	9727.8	9485.5	9657.3	9736.6	9696.7
15°	11101.2	11192.4	11541.7	11730.4	11541.7	11192.4	11101.2	11362.7	11129.7	11183.9	10976.9
12.5°	11987.5	11955.1	11913.6	11970.1	11913.6	11955.1	11987.5	11995.9	12041.7	12066.3	12003.9
10°	12028.5	12024.8	11950.9	12031.3	11950.9	12024.8	12028.5	12053.3	12111.7	12152.9	12081.5
7.5°	12003.3	12005.5	11974.1	12052.6	11974.1	12005.5	12003.3	12069.0	12109.1	12133.0	12060.4
5°	12020.0	11965.9	11986.4	12031.3	11986.4	11965.9	12020.0	12026.3	12065.3	12094.2	12051.4
2.5°	11973.5	11967.9	11927.9	11959.4	11927.9	11967.9	11973.5	11998.6	12021.4	12034.1	12034.5
0°	11938.1	11908.8	11908.8	11935.5	11908.8	11908.8	11938.1	11983.4	12023.3	12058.0	12071.3
-2.5°	12001.1	11994.9	11991.1	11972.7	11991.1	11994.9	12001.1	12021.4	12041.2	12058.2	12064.5
-5°	12052.8	12037.0	11993.4	12052.6	11993.4	12037.0	12052.8	12075.1	12108.4	12132.1	12125.3
-7.5°	12108.5	12068.1	12026.7	12119.2	12026.7	12068.1	12108.5	12126.3	12166.1	12197.6	12194.6
-10°	12159.4	12101.0	12060.7	12151.2	12060.7	12101.0	12159.4	12200.3	12234.3	12264.3	12269.8
-12.5°	12226.7	12158.3	12131.4	12180.5	12131.4	12158.3	12226.7	12274.0	12310.7	12333.3	12324.3
-15°	12298.4	12251.1	12244.7	12273.7	12244.7	12251.1	12298.4	12347.9	12376.9	12395.4	12362.4
-17.5°	12361.3	12328.1	12344.5	12377.5	12344.5	12328.1	12361.3	12401.8	12425.9	12433.2	12388.3
-20°	12391.4	12372.9	12391.3	12473.4	12391.3	12372.9	12391.4	12417.1	12433.5	12429.4	12364.2



REPORT NUMBER: P645541 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-735-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°	12388.8	12390.0	12422.6	12449.4	12422.6	12390.0	12388.8	12402.7	12401.3	12380.9	12271.4
-25°	12341.5	12366.5	12403.8	12457.4	12403.8	12366.5	12341.5	12340.3	12323.8	12270.8	12159.7
-27.5°	12227.6	12268.9	12308.0	12364.2	12308.0	12268.9	12227.6	12211.6	12182.4	12109.3	12019.0
-30°	12062.7	12111.9	12146.8	12207.1	12146.8	12111.9	12062.7	12032.6	11986.9	11903.5	11767.3
-32.5°	11862.1	11917.8	11959.1	12002.0	11959.1	11917.8	11862.1	11816.2	11767.5	11671.2	11483.3
-35°	11611.4	11671.3	11715.2	11754.4	11715.2	11671.3	11611.4	11551.0	11489.9	11407.1	11193.1
-37.5°	11310.0	11374.7	11424.6	11469.4	11424.6	11374.7	11310.0	11237.7	11173.3	11093.0	10885.1
-40°	10959.0	11025.4	11078.6	11128.6	11078.6	11025.4	10959.0	10876.3	10803.4	10709.7	10529.4
-42.5°	10548.6	10615.6	10670.6	10721.1	10670.6	10615.6	10548.6	10460.5	10371.1	10258.3	10102.3
-45°	10074.7	10143.6	10201.7	10255.1	10201.7	10143.6	10074.7	9982.6	9868.3	9721.5	9535.9
-47.5°	9528.8	9602.6	9652.3	9677.3	9652.3	9602.6	9528.8	9431.0	9298.2	9126.4	8922.8
-50°	8903.2	8976.9	9036.6	9080.7	9036.6	8976.9	8903.2	8805.7	8671.3	8485.1	8269.6
-52.5°	8214.5	8284.6	8336.0	8367.1	8336.0	8284.6	8214.5	8119.6	7989.6	7790.5	7563.3
-55°	7460.5	7533.9	7582.7	7605.5	7582.7	7533.9	7460.5	7362.4	7237.8	7035.0	6811.3
-57.5°	6605.1	6674.9	6726.7	6756.0	6726.7	6674.9	6605.1	6509.9	6389.7	6198.9	5983.7
-60°	5659.0	5721.4	5760.7	5776.0	5760.7	5721.4	5659.0	5571.8	5459.8	5292.0	5094.3
-62.5°	4691.1	4750.2	4787.0	4801.3	4787.0	4750.2	4691.1	4611.9	4513.8	4376.4	4211.2
-65°	3734.3	3771.3	3791.8	3794.7	3791.8	3771.3	3734.3	3678.6	3603.8	3498.5	3370.0
-67.5°	2880.9	2909.0	2926.2	2931.9	2926.2	2909.0	2880.9	2841.9	2792.6	2730.2	2651.7
-70°	2260.5	2279.9	2290.9	2292.8	2290.9	2279.9	2260.5	2231.3	2192.1	2139.9	2075.8
-72.5°	1685.3	1699.3	1694.4	1683.0	1694.4	1699.3	1685.3	1665.7	1640.0	1610.6	1580.4
-75°	1314.8	1330.1	1323.7	1312.8	1323.7	1330.1	1314.8	1296.4	1275.2	1251.0	1223.7
-77.5°	1050.3	1064.3	1057.4	1046.5	1057.4	1064.3	1050.3	1033.8	1014.9	993.5	968.6
-80°	750.1	758.3	764.0	766.9	764.0	758.3	750.1	739.8	727.8	715.0	705.1
-82.5°	383.9	372.7	365.5	356.8	365.5	372.7	383.9	393.2	400.2	404.8	407.1
-85°	108.5	106.0	107.7	109.2	107.7	106.0	108.5	110.7	112.4	113.9	123.2
-87.5°	31.1	31.9	32.0	32.0	32.0	31.9	31.1	30.2	29.3	28.3	28.6
-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: P645541 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-735-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°	1.3	1.9	2.4	2.4	2.3	2.3	2.2	2.1	2.1	2.0	1.9
85°	2.5	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
75°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
72.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
70°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.0
67.5°	2.7	2.7	2.8	2.7	2.7	2.7	2.9	2.8	2.7	2.7	3.3
65°	3.3	3.2	3.3	3.7	3.8	3.7	3.7	3.8	3.8	3.7	3.4
62.5°	5.4	5.6	5.8	5.9	5.9	7.5	6.7	6.8	6.3	7.6	10.4
60°	12.8	10.1	15.1	16.8	14.5	24.7	41.8	37.7	11.2	60.3	69.6
57.5°	176.2	146.3	306.5	305.6	128.0	172.9	231.5	152.4	99.7	170.8	225.7
55°	1228.9	1125.4	978.5	962.8	1013.7	770.2	643.9	619.6	485.0	315.3	374.5
52.5°	1732.4	1629.2	1529.0	1435.7	1359.1	1277.2	1156.8	1026.7	985.1	793.2	611.7
50°	1960.3	2060.5	1961.8	1720.5	1763.4	1646.9	1477.3	1339.0	1367.4	1250.0	1007.8
47.5°	2658.3	2780.5	2783.6	2639.6	2479.4	2430.0	2181.3	1749.3	1778.3	1773.3	1516.8
45°	3891.9	3721.2	3784.9	3582.7	3299.7	3143.3	3134.9	2672.7	2244.8	2175.2	2150.4
42.5°	4567.9	4441.6	4310.8	4160.0	3909.9	3660.3	3506.4	3246.4	2902.2	2597.6	2489.6
40°	4841.3	4694.1	4572.0	4447.1	4245.6	3990.1	3866.1	3524.8	3266.0	3002.4	2914.6
37.5°	5171.7	4892.3	5001.3	4765.1	4578.1	4515.9	4419.7	4064.4	3491.1	3442.9	3398.5
35°	5909.4	5648.1	5899.6	5855.0	5110.4	5193.3	5257.3	4820.8	4220.5	3895.0	3902.1
32.5°	7592.5	6990.2	6806.3	7031.6	6640.1	5990.3	5999.9	5867.0	5047.6	4574.0	4366.7
30°	8201.8	7934.3	7644.5	7605.5	7314.0	6938.2	6699.4	6380.0	5783.7	5243.1	4887.9
27.5°	8464.7	8222.0	7978.1	7789.9	7621.2	7366.1	7054.6	6679.3	6255.1	5770.7	5425.6
25°	8652.4	8380.6	8170.1	7962.4	7780.7	7587.6	7269.4	6903.9	6508.1	6117.6	5747.0
22.5°	8803.1	8549.8	8323.3	8099.8	7952.4	7744.7	7458.8	7081.3	6815.6	6567.4	6085.6
20°	8968.0	8723.8	8468.8	8479.6	8262.7	7915.9	7641.1	7453.2	7416.7	7137.5	6515.5
17.5°	9683.9	9012.5	9137.3	9373.9	8896.0	8266.6	8168.5	8179.0	8063.6	7804.0	7030.5
15°	11217.4	10247.6	10256.1	10419.2	9901.2	9127.9	8949.4	8927.6	8745.9	8458.6	7574.4
12.5°	11700.4	11376.4	11316.8	11074.4	10565.8	9988.0	9776.6	9661.9	9328.5	8772.8	7965.8
10°	11863.6	11676.0	11426.5	11182.0	10873.3	10641.2	10340.0	9923.4	9450.3	8914.3	8257.3
7.5°	11882.9	11688.3	11487.3	11254.5	10983.5	10711.1	10413.4	9999.4	9541.9	9016.2	8462.8
5°	11871.6	11677.5	11491.4	11268.7	10993.8	10729.7	10460.1	10050.6	9603.8	9082.7	8597.8
2.5°	11842.6	11646.2	11469.0	11266.7	10993.0	10738.4	10488.8	10105.6	9648.0	9137.6	8642.9
0°	11884.9	11690.5	11522.7	11296.3	11048.7	10753.1	10502.8	10161.9	9669.3	9174.0	8660.0
-2.5°	11903.0	11702.1	11548.5	11293.2	11088.0	10786.4	10532.7	10203.4	9709.5	9238.2	8701.1
-5°	11999.1	11799.4	11598.5	11342.7	11126.9	10844.6	10559.4	10220.3	9739.7	9273.1	8719.7
-7.5°	12062.2	11859.6	11626.0	11377.9	11161.1	10891.9	10575.7	10221.9	9767.3	9272.5	8728.7
-10°	12101.8	11890.0	11659.3	11405.2	11181.2	10904.1	10570.3	10213.1	9761.8	9250.8	8709.1
-12.5°	12157.3	11919.0	11681.5	11393.1	11168.3	10883.7	10550.3	10192.7	9720.0	9210.3	8659.2
-15°	12178.1	11933.3	11655.6	11372.9	11127.5	10850.7	10506.4	10132.2	9647.0	9147.9	8577.8
-17.5°	12186.7	11908.2	11612.3	11341.0	11076.5	10782.9	10419.7	10021.7	9553.4	9037.7	8470.3
-20°	12180.0	11856.0	11551.0	11255.7	10978.7	10680.6	10305.7	9911.7	9419.5	8894.9	8331.3

Classified

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

Scaled Data Report



REPORT NUMBER: P645541 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5E-735-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°	12055.7	11762.3	11453.7	11133.4	10861.0	10544.8	10177.8	9770.0	9245.6	8738.2	8154.2
-25°	11918.9	11622.4	11303.7	11005.8	10715.7	10401.6	10024.5	9562.1	9063.9	8536.2	7939.3
-27.5°	11757.2	11445.6	11116.3	10813.3	10506.7	10197.5	9807.7	9341.9	8862.3	8285.3	7705.8
-30°	11538.8	11217.2	10881.5	10534.8	10254.6	9939.4	9553.9	9101.5	8586.5	8016.8	7465.3
-32.5°	11242.4	10939.7	10604.1	10274.6	9981.9	9651.1	9262.0	8812.9	8272.4	7733.4	7159.7
-35°	10941.0	10627.5	10307.6	9997.4	9689.1	9342.7	8945.5	8456.7	7940.1	7406.2	6810.9
-37.5°	10597.0	10270.5	9969.8	9675.0	9357.0	9001.9	8563.7	8091.4	7587.7	7000.7	6434.2
-40°	10227.3	9912.9	9584.5	9293.0	8953.9	8595.8	8172.2	7713.1	7159.1	6579.1	6046.4
-42.5°	9788.4	9474.2	9136.1	8811.6	8482.1	8141.5	7758.9	7262.2	6713.2	6166.0	5612.9
-45°	9258.5	8944.0	8611.7	8277.1	7968.8	7637.8	7281.8	6752.3	6210.1	5688.6	5157.9
-47.5°	8662.0	8357.3	8036.6	7705.0	7411.7	7079.4	6645.7	6153.0	5673.2	5177.1	4633.8
-50°	8014.5	7724.4	7427.9	7120.2	6790.7	6415.9	5999.6	5569.8	5094.6	4585.2	4088.9
-52.5°	7306.6	7041.2	6761.3	6465.5	6125.4	5753.5	5363.5	4907.1	4433.0	4000.7	3549.3
-55°	6567.9	6305.9	6029.2	5733.7	5416.5	5048.6	4644.6	4229.5	3842.5	3442.7	3098.3
-57.5°	5750.6	5502.2	5238.7	4959.7	4666.9	4324.7	3970.3	3618.1	3311.6	3000.8	2688.3
-60°	4877.0	4645.2	4420.9	4173.7	3903.3	3608.7	3350.3	3090.5	2830.4	2582.4	2330.7
-62.5°	4030.9	3836.9	3635.4	3434.8	3229.2	3016.6	2802.4	2601.8	2396.8	2186.6	2001.4
-65°	3231.3	3083.7	2924.8	2785.9	2640.1	2486.3	2314.2	2157.0	2007.9	1853.9	1696.3
-67.5°	2560.0	2454.7	2342.4	2232.9	2132.9	2026.5	1905.6	1778.4	1660.3	1546.2	1430.2
-70°	2008.3	1938.6	1865.6	1785.7	1705.9	1625.7	1536.7	1443.1	1348.3	1262.9	1181.1
-72.5°	1541.5	1493.3	1437.9	1380.3	1318.9	1264.2	1203.5	1140.3	1076.1	1011.3	949.5
-75°	1192.7	1157.8	1119.8	1076.8	1024.8	963.2	917.5	866.7	848.0	800.8	749.3
-77.5°	943.3	917.9	890.6	854.0	816.0	776.8	738.0	699.8	662.0	626.3	593.6
-80°	694.0	682.0	666.9	636.6	606.1	575.9	547.0	523.5	501.5	477.2	447.4
-82.5°	407.4	406.0	401.7	384.7	367.7	350.8	334.4	317.9	300.6	282.4	263.9
-85°	131.6	138.8	144.7	147.5	149.2	149.7	148.8	144.5	139.5	133.7	127.5
-87.5°	28.8	28.9	29.0	30.1	31.1	32.0	32.7	34.3	35.7	36.8	37.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P645541 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-735-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	1.5	1.3	1.2	1.1	1.3	1.4	1.4
85°	2.7	2.7	2.7	2.7	2.7	2.7	2.5	2.3	2.6	2.7	2.8
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.4	4.0	4.2
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	3.4	4.1	4.7
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	3.5	4.1	4.8
75°	2.7	2.7	2.7	2.8	2.9	2.7	2.7	2.9	3.5	4.2	4.8
72.5°	2.7	2.7	2.7	3.0	3.4	3.4	3.1	3.0	3.6	4.2	4.8
70°	3.1	2.8	2.7	3.1	3.8	4.3	4.2	4.2	3.7	4.3	4.9
67.5°	3.9	4.0	3.7	3.7	3.9	4.5	5.1	6.0	5.9	4.4	5.0
65°	4.1	4.7	5.5	7.5	6.7	4.6	5.2	10.4	8.3	7.1	5.1
62.5°	8.8	4.9	16.8	22.5	12.7	9.9	7.9	23.2	14.6	9.9	7.1
60°	20.9	17.2	46.9	75.2	52.5	17.7	26.0	40.2	37.0	12.8	10.0
57.5°	195.4	67.2	97.3	140.7	138.2	75.0	54.7	73.0	62.8	36.2	14.2
55°	416.9	350.9	231.7	212.2	229.2	185.0	120.4	118.1	96.9	67.1	23.0
52.5°	572.0	596.9	519.6	363.0	316.1	301.1	235.2	171.4	152.1	100.8	58.3
50°	828.0	771.0	763.3	640.8	443.2	401.1	347.2	267.7	213.5	144.2	98.6
47.5°	1169.6	1027.4	952.0	897.0	707.1	511.4	455.5	366.1	281.2	207.7	140.7
45°	1671.5	1328.0	1182.2	1092.9	969.0	719.2	570.0	461.7	366.5	278.9	184.8
42.5°	2175.4	1717.0	1444.9	1300.7	1171.9	953.9	692.5	571.9	449.5	351.3	240.8
40°	2620.2	2118.1	1721.1	1535.6	1371.0	1180.5	890.8	689.8	531.0	425.8	304.5
37.5°	3155.8	2574.9	2039.0	1781.9	1583.3	1369.8	1092.0	813.0	628.9	504.0	368.3
35°	3673.8	3166.1	2394.6	2079.4	1819.5	1564.0	1285.8	958.6	749.1	583.5	432.0
32.5°	4230.1	3722.2	2931.8	2411.6	2064.0	1762.4	1467.0	1135.6	870.1	663.9	495.6
30°	4668.1	4088.2	3403.2	2744.2	2330.1	1983.8	1647.9	1305.5	991.3	745.0	559.7
27.5°	4900.2	4405.0	3775.2	3114.9	2629.5	2210.8	1834.3	1467.9	1112.3	834.2	626.5
25°	5140.3	4628.1	4041.2	3438.8	2925.2	2451.1	2019.9	1622.7	1244.6	934.8	692.6
22.5°	5427.5	4817.7	4265.4	3695.6	3230.2	2694.7	2214.6	1779.3	1376.7	1033.4	757.6
20°	5715.9	4993.9	4486.7	4045.0	3529.5	2958.3	2418.1	1932.2	1501.4	1129.4	821.2
17.5°	6018.7	5313.8	4862.3	4385.9	3827.8	3213.7	2618.6	2080.3	1618.4	1222.4	883.1
15°	6545.5	5792.7	5240.6	4717.7	4124.5	3459.4	2814.2	2222.6	1727.5	1311.8	940.5
12.5°	7023.8	6238.5	5619.2	5038.5	4416.4	3693.7	3003.0	2358.0	1828.6	1383.0	991.8
10°	7419.7	6652.0	5993.5	5346.4	4699.7	3914.9	3182.9	2468.2	1889.2	1436.2	1038.9
7.5°	7743.8	7034.1	6358.5	5639.5	4943.1	4059.4	3273.6	2532.5	1936.2	1481.4	1081.9
5°	7978.1	7289.1	6552.3	5741.6	5019.1	4118.8	3335.2	2584.8	1974.1	1519.1	1120.7
2.5°	8045.6	7367.5	6625.2	5797.5	5070.6	4157.2	3379.3	2624.8	2003.2	1549.8	1155.1
0°	8084.8	7419.1	6670.8	5831.9	5096.9	4175.5	3405.9	2652.3	2023.9	1573.8	1185.0
-2.5°	8139.7	7463.5	6714.8	5920.3	5114.4	4231.4	3421.0	2670.2	2050.0	1582.4	1202.5
-5°	8167.1	7480.8	6735.9	5979.6	5109.8	4264.8	3419.1	2675.9	2067.0	1585.4	1215.2
-7.5°	8155.0	7475.0	6736.8	5998.3	5086.7	4272.5	3400.6	2670.0	2073.8	1583.2	1223.2
-10°	8118.2	7444.7	6710.9	5950.2	5065.4	4242.3	3367.5	2653.0	2069.8	1576.4	1226.3
-12.5°	8062.3	7388.0	6658.4	5880.9	5021.1	4180.0	3328.5	2623.9	2053.0	1565.5	1224.2
-15°	7989.8	7305.6	6578.5	5792.9	4948.1	4097.2	3269.8	2581.7	2020.5	1553.1	1217.0
-17.5°	7896.7	7198.2	6470.9	5688.4	4845.4	3994.6	3191.1	2526.7	1979.8	1538.0	1202.4
-20°	7730.6	7053.8	6334.1	5569.7	4712.1	3873.0	3091.9	2458.9	1931.3	1516.6	1181.4



REPORT NUMBER: P645541 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-735-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°	7543.8	6875.1	6163.6	5409.5	4551.5	3733.2	2972.0	2378.3	1875.5	1488.6	1156.3
-25°	7344.6	6674.0	5965.4	5187.8	4374.1	3585.5	2851.9	2285.1	1812.5	1454.0	1127.0
-27.5°	7110.6	6446.1	5740.9	4943.6	4168.1	3414.1	2736.8	2202.5	1751.6	1412.7	1093.9
-30°	6847.7	6178.2	5460.2	4683.0	3942.2	3215.8	2607.7	2114.4	1700.1	1367.6	1056.9
-32.5°	6546.3	5883.0	5149.2	4416.3	3703.7	3005.4	2465.2	2020.1	1640.5	1319.8	1022.6
-35°	6203.4	5539.6	4819.7	4129.9	3450.9	2835.5	2325.9	1920.0	1573.0	1268.1	986.6
-37.5°	5846.0	5170.9	4490.0	3830.9	3182.2	2651.6	2200.6	1821.1	1497.6	1212.8	946.8
-40°	5438.1	4791.7	4144.1	3522.9	2949.6	2454.0	2065.0	1723.5	1426.3	1153.8	903.2
-42.5°	5017.8	4393.8	3783.3	3196.9	2720.0	2293.2	1923.0	1618.5	1351.1	1096.9	856.0
-45°	4564.7	3973.8	3399.6	2922.2	2486.5	2122.9	1798.7	1509.5	1270.9	1038.6	807.1
-47.5°	4086.6	3531.1	3050.9	2635.9	2287.9	1951.8	1666.4	1415.3	1186.7	976.2	758.2
-50°	3580.3	3118.9	2729.7	2387.2	2073.9	1797.7	1534.6	1316.7	1109.4	907.2	706.9
-52.5°	3131.6	2761.8	2439.9	2146.7	1885.2	1635.6	1421.1	1215.6	1029.8	841.2	653.3
-55°	2747.1	2444.0	2172.3	1928.3	1698.1	1496.7	1303.3	1125.7	948.1	775.0	599.1
-57.5°	2415.1	2150.3	1932.8	1720.8	1530.7	1358.9	1195.9	1033.9	869.7	706.5	556.0
-60°	2096.2	1898.4	1704.9	1534.5	1373.5	1227.8	1094.6	942.2	790.5	637.9	508.4
-62.5°	1820.6	1651.8	1505.5	1357.0	1223.3	1104.5	992.4	852.4	709.2	574.5	456.6
-65°	1562.5	1432.8	1308.2	1189.7	1078.8	978.1	887.5	760.4	627.6	507.4	402.8
-67.5°	1317.2	1219.5	1121.7	1022.3	935.0	853.5	775.9	661.1	542.4	436.7	349.5
-70°	1098.2	1014.7	938.1	864.2	793.4	725.5	652.3	555.4	453.3	373.3	294.8
-72.5°	891.3	830.4	766.7	706.0	653.7	593.9	526.7	451.1	379.5	308.7	239.0
-75°	699.9	659.7	614.9	566.7	517.9	464.5	420.0	367.2	304.7	243.0	192.6
-77.5°	560.0	520.8	475.9	437.5	404.8	368.2	327.8	281.9	232.4	189.0	148.9
-80°	413.1	383.1	357.7	335.5	305.3	272.0	238.5	205.1	169.0	135.4	104.3
-82.5°	252.0	245.4	238.4	228.1	202.9	178.2	154.0	130.2	104.6	80.9	67.0
-85°	126.1	123.5	119.7	114.3	98.9	83.8	76.8	69.7	61.0	52.7	44.8
-87.5°	41.4	44.6	47.1	48.9	45.4	41.9	38.4	34.9	30.6	26.4	22.4
-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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1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645541 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5E-735-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°	1.4	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	1.2	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	5.4	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	7.1	6.4	5.9	4.7	2.9	0.0
62.5°	8.3	8.8	6.7	6.2	5.2	3.1	0.0
60°	9.8	10.7	7.0	6.4	5.7	3.4	0.0
57.5°	18.2	12.8	9.0	6.7	5.9	3.7	0.0
55°	29.1	15.1	11.3	7.0	6.2	4.0	0.0
52.5°	41.7	19.4	13.6	7.3	6.6	4.2	0.0
50°	56.2	33.1	16.0	7.6	6.9	4.5	0.0
47.5°	75.6	47.8	18.6	8.3	7.2	4.7	0.0
45°	114.0	63.5	21.2	10.4	7.5	5.0	0.0
42.5°	153.3	80.3	24.0	12.4	7.9	5.2	0.0
40°	193.6	98.1	32.3	15.0	8.2	5.5	0.0
37.5°	234.6	116.7	46.2	18.2	8.5	5.7	0.0
35°	276.2	145.0	60.3	21.7	8.9	5.9	0.0
32.5°	321.3	177.9	74.6	25.6	9.2	6.1	0.0
30°	373.0	210.4	89.0	29.8	9.6	6.3	0.0
27.5°	423.6	242.6	106.8	34.4	9.9	6.5	0.0
25°	473.0	274.3	125.0	39.1	10.3	6.7	0.0
22.5°	520.9	306.6	143.1	44.0	10.6	6.9	0.0
20°	567.2	341.3	161.2	49.1	11.0	7.1	0.0
17.5°	613.1	374.8	178.9	54.3	11.3	7.2	0.0
15°	657.1	407.1	196.1	59.5	11.6	7.4	0.0
12.5°	698.3	437.8	212.8	64.7	11.9	7.5	0.0
10°	736.5	466.8	228.8	69.8	12.2	7.6	0.0
7.5°	771.7	494.0	243.9	74.7	12.5	7.8	0.0
5°	803.6	519.0	257.9	79.4	12.8	7.9	0.0
2.5°	832.2	541.7	270.8	83.8	13.1	7.9	0.0
0°	857.5	561.9	282.3	87.9	13.3	8.0	0.0
-2.5°	870.1	574.7	293.0	93.6	15.4	8.5	0.0
-5°	879.2	584.8	302.2	98.9	17.4	8.9	0.0
-7.5°	885.1	592.2	309.6	103.6	19.4	9.3	0.0
-10°	887.7	596.8	315.3	107.7	21.3	9.7	0.0
-12.5°	887.3	598.6	319.1	111.1	23.2	10.1	0.0
-15°	883.8	597.8	320.9	113.8	24.9	10.4	0.0
-17.5°	877.3	594.2	320.6	115.8	26.5	10.7	0.0
-20°	867.3	587.9	318.3	117.0	28.0	10.9	0.0

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Scaled Data Report



REPORT NUMBER: P645541 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5E-735-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	852.8	578.9	313.8	117.3	29.3	11.2	0.0
-25°	834.9	565.0	307.1	116.8	30.5	11.3	0.0
-27.5°	813.7	547.7	298.2	115.4	31.5	11.5	0.0
-30°	789.2	527.9	287.0	113.0	32.3	11.5	0.0
-32.5°	761.3	505.8	274.0	109.7	32.9	11.6	0.0
-35°	731.2	481.5	259.4	105.4	33.4	11.6	0.0
-37.5°	698.9	457.0	243.4	100.1	33.6	11.5	0.0
-40°	664.0	434.8	226.0	93.9	33.6	11.4	0.0
-42.5°	626.7	411.0	212.8	87.1	33.4	11.2	0.0
-45°	587.1	385.7	203.8	80.3	33.1	11.0	0.0
-47.5°	545.2	358.9	193.2	72.5	32.5	10.7	0.0
-50°	510.2	330.8	181.0	69.9	31.6	10.4	0.0
-52.5°	475.2	301.3	167.2	68.5	30.6	10.0	0.0
-55°	438.8	278.9	151.9	66.4	29.4	9.6	0.0
-57.5°	401.1	256.2	135.1	63.5	28.0	9.1	0.0
-60°	362.7	231.5	117.5	59.9	26.4	8.6	0.0
-62.5°	327.7	204.7	109.2	55.7	24.8	8.1	0.0
-65°	290.2	176.2	99.7	50.8	23.1	7.5	0.0
-67.5°	250.3	152.3	89.1	45.3	21.2	6.8	0.0
-70°	208.3	133.3	77.5	39.3	19.1	6.2	0.0
-72.5°	176.2	112.8	65.0	34.6	17.0	5.5	0.0
-75°	144.0	91.1	51.7	30.1	14.8	4.7	0.0
-77.5°	110.3	68.4	42.7	25.4	12.5	4.0	0.0
-80°	75.3	52.1	34.5	20.5	10.1	3.2	0.0
-82.5°	55.3	39.4	26.1	15.5	7.6	2.4	0.0
-85°	37.1	26.4	17.5	10.4	5.1	1.6	0.0
-87.5°	18.6	13.2	8.8	5.2	2.6	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)