

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: P645591 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA6E-740-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645591 (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-SA6E-740-U-LAM-VSR-XX  
Description: GALLEON FLOOD, SIX LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

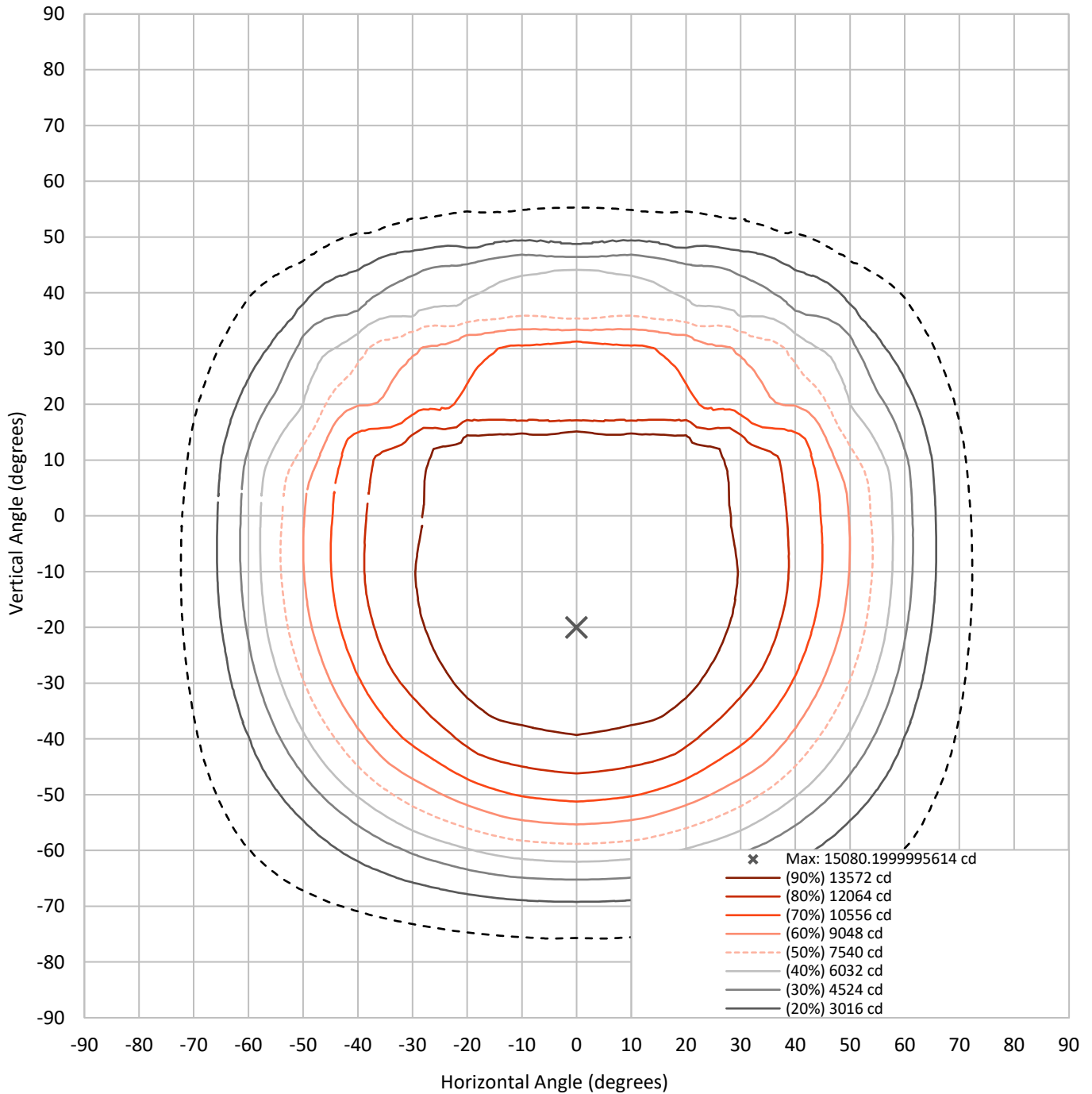
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	35360.2 lumens	Max Intensity:	15080.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	93.9 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:	27642.5 lumens	Field Lumens:	34658 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	376.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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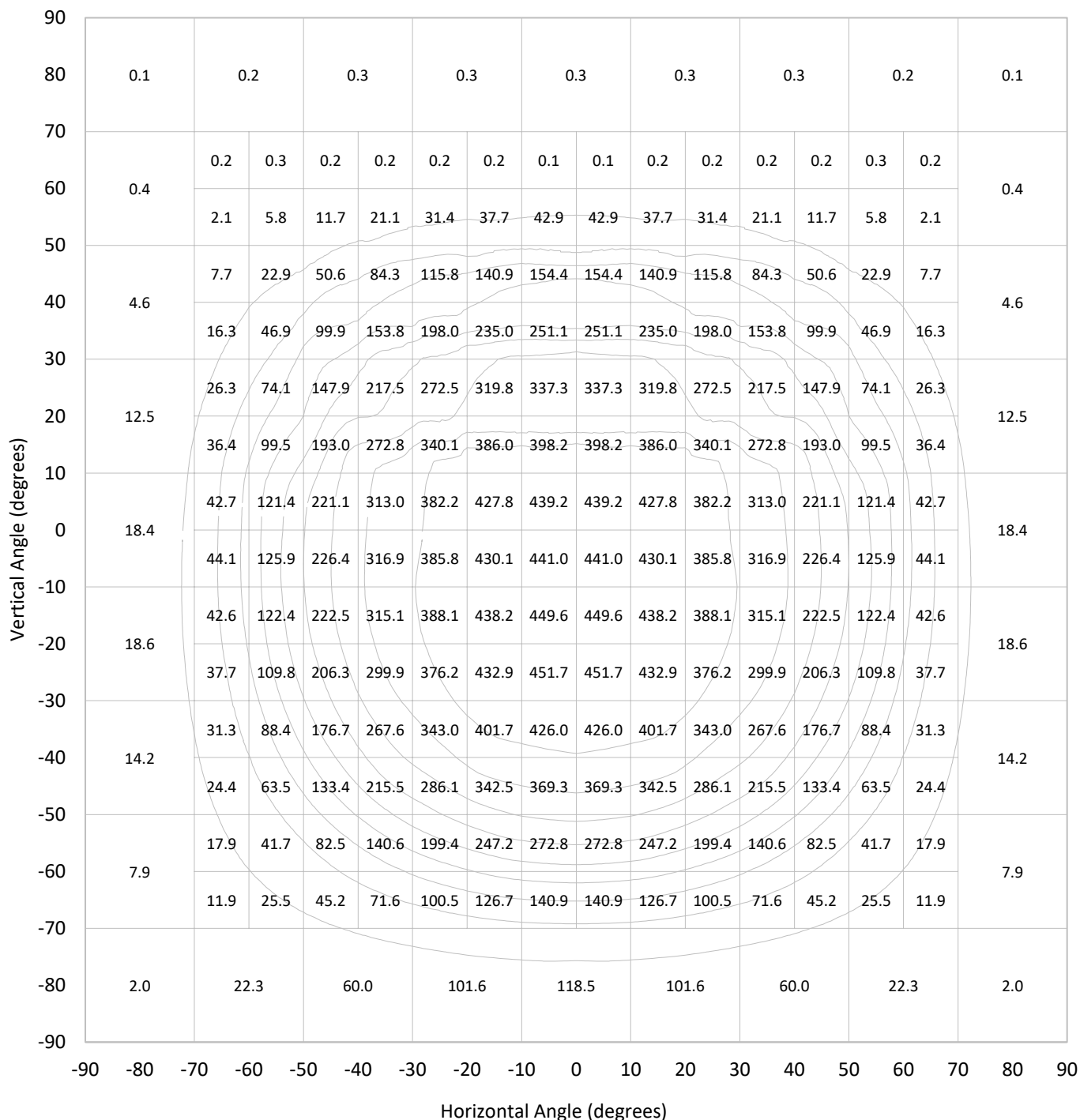
### Iso-Candela Plot





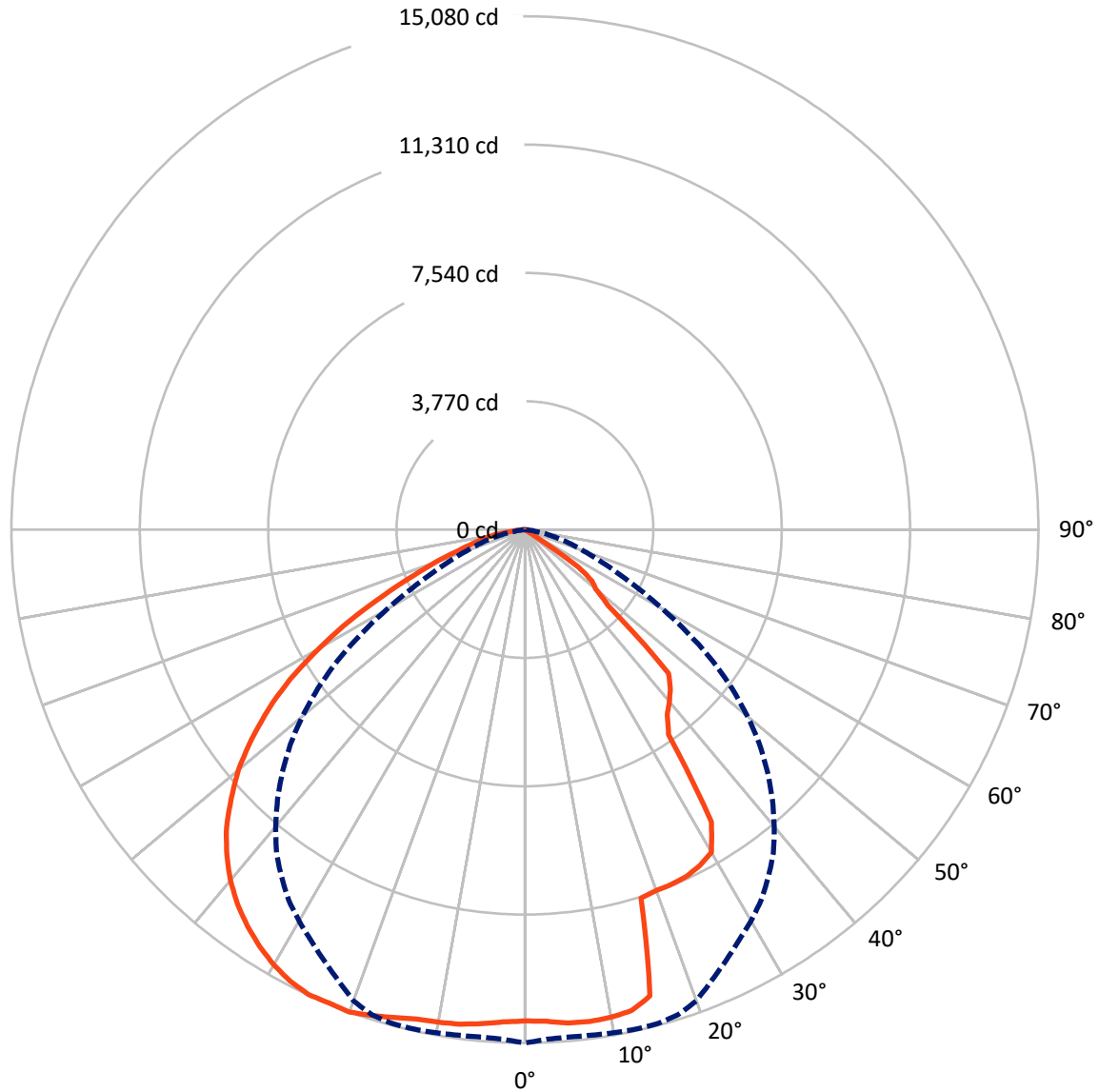
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### Lumen Table



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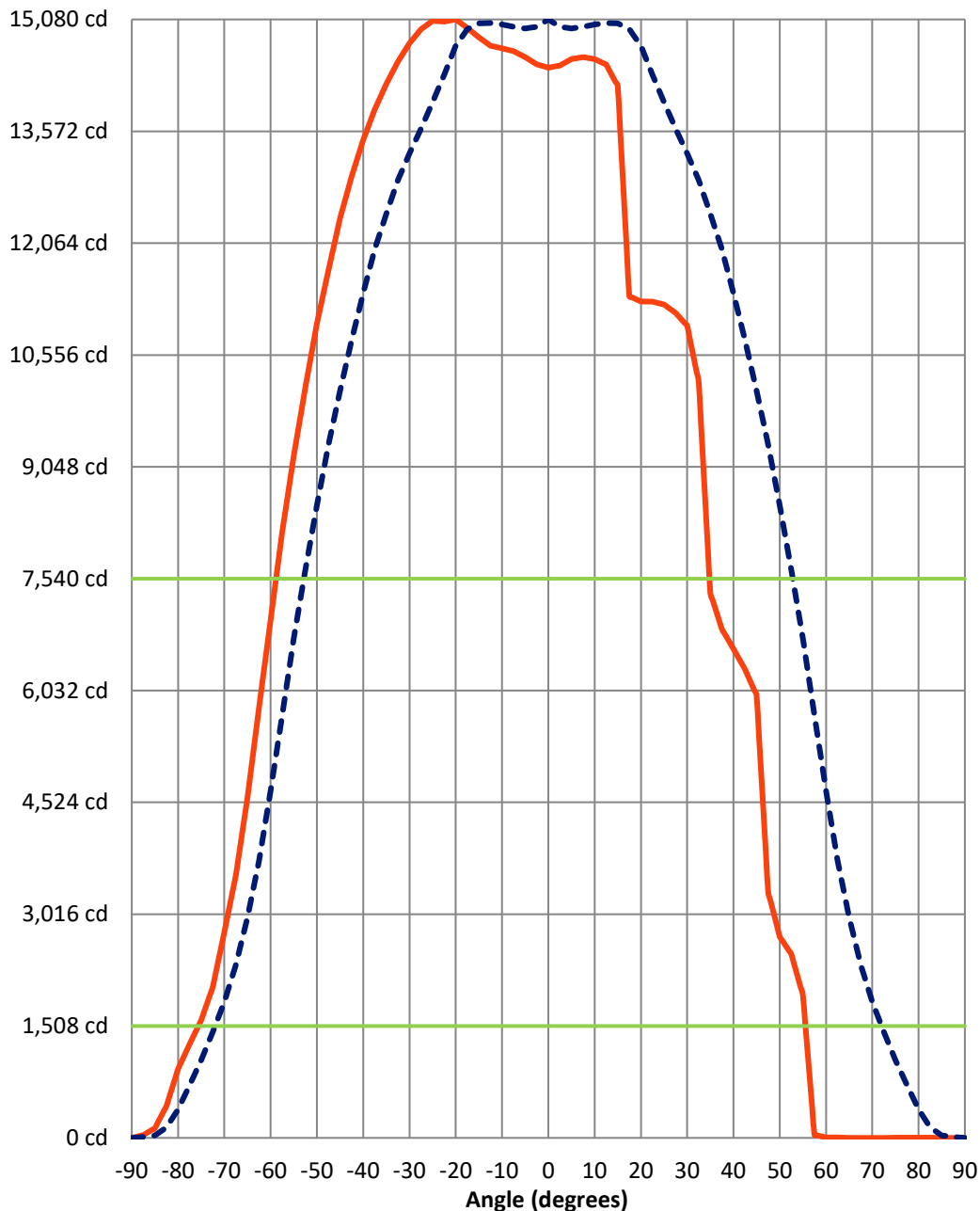
### Luminous Intensity Polar Plot



— 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: 27642.5  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 34658  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 702.2  
 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	0.4	0.6	0.8	1.1	1.4	1.7	1.7	1.6	1.5	1.4
85°	0.0	0.7	1.1	1.7	2.2	2.8	3.3	3.4	3.3	3.1	2.7
82.5°	0.0	1.1	1.7	2.5	3.3	4.1	5.0	5.1	4.9	4.1	3.3
80°	0.0	1.4	2.2	3.3	4.4	5.5	6.4	5.7	4.9	4.1	3.3
77.5°	0.0	1.8	2.8	4.1	5.5	6.5	6.4	5.7	4.9	4.2	3.4
75°	0.0	2.1	3.4	5.0	6.5	6.7	6.5	5.8	5.0	4.2	3.4
72.5°	0.0	2.4	3.9	5.8	6.8	6.9	6.6	5.8	5.1	4.3	3.5
70°	0.0	2.8	4.5	6.5	7.1	7.1	6.8	5.9	5.2	4.5	5.1
67.5°	0.0	3.1	5.1	6.8	7.4	7.4	7.5	6.0	5.3	7.1	7.2
65°	0.0	3.5	5.7	7.1	7.7	8.5	8.6	6.1	8.5	10.0	12.6
62.5°	0.0	3.8	6.2	7.5	8.1	10.6	10.1	8.6	11.9	17.6	28.0
60°	0.0	4.1	6.8	7.8	8.5	12.9	11.9	12.1	15.4	44.7	48.6
57.5°	0.0	4.5	7.2	8.1	10.9	15.5	22.0	17.1	43.7	75.9	88.2
55°	0.0	4.8	7.6	8.5	13.6	18.3	35.1	27.8	81.2	117.2	142.8
52.5°	0.0	5.1	7.9	8.9	16.4	23.4	50.4	70.5	121.9	183.9	207.2
50°	0.0	5.4	8.3	9.2	19.4	40.0	67.9	119.2	174.3	258.1	323.7
47.5°	0.0	5.7	8.7	10.1	22.5	57.8	91.3	170.2	251.2	339.9	442.6
45°	0.0	6.0	9.1	12.5	25.7	76.8	137.8	223.5	337.1	443.0	558.2
42.5°	0.0	6.3	9.5	15.0	29.0	97.1	185.4	291.2	424.7	543.5	691.4
40°	0.0	6.6	9.9	18.1	39.0	118.5	234.0	368.1	514.8	642.0	834.0
37.5°	0.0	6.9	10.3	22.0	55.8	141.1	283.6	445.2	609.4	760.4	982.9
35°	0.0	7.2	10.7	26.3	72.9	175.3	333.9	522.3	705.4	905.7	1158.9
32.5°	0.0	7.4	11.2	31.0	90.2	215.0	388.5	599.1	802.7	1051.9	1373.0
30°	0.0	7.7	11.6	36.1	107.6	254.4	450.9	676.7	900.8	1198.5	1578.4
27.5°	0.0	7.9	12.0	41.5	129.1	293.4	512.1	757.5	1008.6	1344.8	1774.7
25°	0.0	8.2	12.4	47.2	151.1	331.6	571.8	837.4	1130.2	1504.7	1961.8
22.5°	0.0	8.4	12.9	53.2	173.1	370.7	629.8	916.0	1249.4	1664.4	2151.3
20°	0.0	8.6	13.3	59.3	194.8	412.6	685.8	992.9	1365.5	1815.2	2336.1
17.5°	0.0	8.8	13.7	65.6	216.2	453.1	741.2	1067.6	1477.9	1956.6	2515.1
15°	0.0	9.0	14.1	71.9	237.1	492.1	794.5	1137.1	1585.9	2088.5	2687.1
12.5°	0.0	9.1	14.4	78.1	257.3	529.3	844.3	1199.0	1672.1	2210.7	2850.8
10°	0.0	9.3	14.8	84.3	276.6	564.4	890.5	1256.1	1736.3	2284.1	2984.1
7.5°	0.0	9.4	15.2	90.3	294.8	597.2	932.9	1308.1	1791.0	2340.8	3061.8
5°	0.0	9.5	15.5	96.0	311.8	627.4	971.5	1354.9	1836.6	2386.6	3125.0
2.5°	0.0	9.6	15.8	101.3	327.4	654.9	1006.2	1396.5	1873.7	2421.8	3173.4
0°	0.0	9.7	16.1	106.2	341.3	679.3	1036.7	1432.7	1902.7	2446.8	3206.6
-2.5°	0.0	10.3	18.6	113.1	354.3	694.8	1051.9	1453.8	1913.1	2478.4	3228.3
-5°	0.0	10.8	21.1	119.5	365.3	707.0	1063.0	1469.3	1916.7	2498.9	3235.2
-7.5°	0.0	11.3	23.5	125.2	374.3	715.9	1070.1	1478.9	1914.1	2507.2	3228.0
-10°	0.0	11.8	25.8	130.1	381.1	721.5	1073.3	1482.5	1905.9	2502.3	3207.5
-12.5°	0.0	12.2	28.0	134.3	385.7	723.8	1072.7	1480.1	1892.7	2482.1	3172.3
-15°	0.0	12.6	30.1	137.6	387.9	722.7	1068.5	1471.4	1877.7	2442.8	3121.2
-17.5°	0.0	12.9	32.1	140.0	387.6	718.4	1060.7	1453.6	1859.5	2393.6	3054.7
-20°	0.0	13.2	33.8	141.4	384.8	710.8	1048.6	1428.3	1833.5	2335.0	2972.8

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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	13.5	35.4	141.9	379.4	699.9	1031.0	1397.9	1799.7	2267.4	2875.4
-25°	0.0	13.7	36.9	141.2	371.3	683.1	1009.4	1362.6	1757.8	2191.3	2762.7
-27.5°	0.0	13.9	38.1	139.5	360.5	662.1	983.8	1322.5	1708.0	2117.6	2662.9
-30°	0.0	14.0	39.1	136.6	346.9	638.2	954.1	1277.8	1653.5	2055.4	2556.3
-32.5°	0.0	14.0	39.8	132.6	331.2	611.5	920.5	1236.4	1595.7	1983.4	2442.2
-35°	0.0	14.0	40.3	127.4	313.6	582.1	884.1	1192.8	1533.2	1901.7	2321.2
-37.5°	0.0	13.9	40.6	121.0	294.3	552.4	844.9	1144.7	1466.3	1810.6	2201.7
-40°	0.0	13.8	40.7	113.5	273.3	525.6	802.8	1092.0	1395.0	1724.5	2083.7
-42.5°	0.0	13.6	40.4	105.3	257.3	496.9	757.7	1034.9	1326.2	1633.5	1956.7
-45°	0.0	13.3	40.0	97.1	246.4	466.3	709.8	975.8	1255.7	1536.5	1825.1
-47.5°	0.0	13.0	39.2	87.6	233.6	433.9	659.2	916.7	1180.2	1434.7	1711.2
-50°	0.0	12.6	38.3	84.5	218.8	399.9	616.8	854.7	1096.8	1341.3	1591.9
-52.5°	0.0	12.1	37.0	82.8	202.1	364.2	574.5	789.9	1017.0	1245.0	1469.6
-55°	0.0	11.6	35.6	80.3	183.6	337.2	530.5	724.3	937.0	1146.2	1361.0
-57.5°	0.0	11.0	33.9	76.8	163.4	309.8	484.9	672.2	854.2	1051.4	1250.0
-60°	0.0	10.4	31.9	72.4	142.1	279.8	438.5	614.6	771.3	955.8	1139.1
-62.5°	0.0	9.7	30.0	67.3	132.0	247.5	396.2	552.0	694.6	857.4	1030.5
-65°	0.0	9.0	27.9	61.4	120.5	213.0	350.8	486.9	613.4	758.7	919.3
-67.5°	0.0	8.3	25.6	54.8	107.7	184.1	302.6	422.5	527.9	655.7	799.3
-70°	0.0	7.4	23.1	47.5	93.7	161.1	251.8	356.4	451.3	548.0	671.5
-72.5°	0.0	6.6	20.6	41.8	78.6	136.4	213.0	289.0	373.3	458.8	545.4
-75°	0.0	5.7	17.9	36.4	62.5	110.2	174.1	232.9	293.8	368.4	443.9
-77.5°	0.0	4.8	15.0	30.7	51.7	82.6	133.3	180.0	228.5	281.0	340.9
-80°	0.0	3.9	12.1	24.8	41.7	63.0	91.0	126.1	163.6	204.3	247.9
-82.5°	0.0	2.9	9.2	18.7	31.5	47.6	66.8	80.9	97.7	126.4	157.3
-85°	0.0	2.0	6.1	12.5	21.1	31.9	44.8	54.1	63.7	73.8	84.2
-87.5°	0.0	1.0	3.1	6.3	10.6	16.0	22.5	27.1	31.9	36.9	42.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	-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°	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.5	2.5
85°	3.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
82.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
75°	3.2	3.2	3.4	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2
72.5°	3.7	4.1	4.1	3.6	3.2	3.2	3.2	3.2	3.2	3.2	3.2
70°	5.0	5.2	4.5	3.7	3.2	3.4	3.7	3.5	3.2	3.2	3.2
67.5°	6.2	5.4	4.6	4.4	4.4	4.8	4.7	3.9	3.2	3.2	3.3
65°	6.3	5.6	8.0	9.1	6.7	5.7	4.9	4.1	4.4	4.6	4.6
62.5°	9.6	12.0	15.4	27.2	20.3	5.9	10.6	12.5	9.2	7.6	8.1
60°	31.4	21.4	63.4	90.9	56.7	20.7	25.3	84.1	72.9	13.5	45.5
57.5°	66.1	90.7	167.1	170.1	117.6	81.2	236.1	272.8	206.5	120.5	184.3
55°	145.6	223.6	277.0	256.4	280.1	424.2	504.1	452.8	381.2	586.4	749.1
52.5°	284.4	364.1	382.1	438.8	628.1	721.7	691.5	739.5	959.0	1191.0	1241.3
50°	419.8	484.9	535.8	774.7	922.8	932.2	1001.0	1218.4	1511.2	1653.1	1618.8
47.5°	550.6	618.2	854.9	1084.4	1151.0	1242.1	1414.1	1833.8	2143.8	2149.9	2114.9
45°	689.1	869.4	1171.5	1321.3	1429.3	1605.5	2020.8	2599.7	2629.8	2713.9	3231.3
42.5°	837.1	1153.2	1416.8	1572.6	1746.8	2075.8	2630.0	3009.8	3140.5	3508.8	3924.9
40°	1076.9	1427.3	1657.6	1856.6	2080.8	2560.8	3167.8	3523.6	3629.8	3948.6	4261.4
37.5°	1320.2	1656.2	1914.2	2154.3	2465.1	3112.9	3815.3	4108.7	4162.4	4220.7	4913.9
35°	1554.6	1890.9	2199.8	2514.0	2895.1	3827.8	4441.6	4717.5	4709.0	5102.5	5828.3
32.5°	1773.7	2130.8	2495.4	2915.7	3544.6	4500.0	5114.1	5279.3	5529.9	6102.5	7093.1
30°	1992.4	2398.5	2817.1	3317.8	4114.5	4942.6	5643.6	5909.4	6338.9	6992.4	7713.3
27.5°	2217.8	2672.9	3179.1	3765.9	4564.2	5325.5	5924.2	6559.5	6976.7	7562.3	8075.2
25°	2442.1	2963.4	3536.6	4157.6	4885.7	5595.3	6214.5	6948.1	7396.1	7868.2	8346.7
22.5°	2677.5	3257.9	3905.3	4468.0	5156.8	5824.6	6561.8	7357.5	7940.0	8240.0	8561.2
20°	2923.5	3576.6	4267.1	4890.4	5424.3	6037.5	6910.5	7877.2	8629.2	8966.8	9010.8
17.5°	3165.9	3885.4	4627.8	5302.6	5878.4	6424.3	7276.6	8499.9	9434.9	9748.8	9888.4
15°	3402.4	4182.4	4986.6	5703.7	6335.8	7003.3	7913.5	9157.5	10226.5	10573.8	10793.4
12.5°	3630.6	4465.6	5339.4	6091.6	6793.6	7542.4	8491.8	9630.6	10606.3	11278.2	11681.2
10°	3848.1	4733.0	5682.0	6463.8	7246.2	8042.2	8970.4	9983.1	10777.3	11425.3	11997.4
7.5°	3957.8	4907.8	5976.2	6818.2	7687.4	8504.2	9362.2	10231.5	10900.5	11536.1	12089.2
5°	4032.4	4979.6	6068.2	6941.6	7921.7	8812.5	9645.5	10394.7	10980.9	11610.8	12151.1
2.5°	4085.6	5026.1	6130.4	7009.2	8009.8	8907.2	9727.1	10449.3	11047.2	11664.4	12217.6
0°	4117.8	5048.2	6162.2	7050.8	8064.9	8969.6	9774.5	10469.9	11091.3	11690.1	12285.7
-2.5°	4136.0	5115.8	6183.3	7157.6	8118.1	9023.3	9840.8	10519.6	11169.0	11738.7	12335.9
-5°	4133.7	5156.1	6177.7	7229.4	8143.6	9044.3	9874.0	10542.1	11211.1	11775.2	12356.3
-7.5°	4111.2	5165.4	6149.8	7252.0	8144.7	9037.2	9859.4	10552.9	11210.4	11808.6	12358.2
-10°	4071.2	5128.9	6124.1	7193.7	8113.5	9000.6	9814.9	10529.2	11184.2	11801.9	12347.5
-12.5°	4024.0	5053.6	6070.4	7110.0	8049.9	8932.1	9747.3	10468.9	11135.3	11751.4	12322.8
-15°	3953.2	4953.4	5982.2	7003.5	7953.3	8832.5	9659.6	10370.5	11059.7	11663.1	12249.8
-17.5°	3858.0	4829.4	5858.1	6877.2	7823.2	8702.5	9547.0	10240.6	10926.5	11550.0	12116.2
-20°	3738.1	4682.4	5696.9	6733.7	7657.9	8528.0	9346.2	10072.5	10753.9	11388.1	11983.1



REPORT NUMBER: P645591 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-740-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°	3593.2	4513.4	5502.7	6540.0	7451.7	8312.0	9120.3	9858.4	10564.5	11177.9	11811.9
-25°	3448.0	4334.8	5288.2	6272.0	7212.2	8068.8	8879.6	9598.5	10320.2	10958.3	11560.5
-27.5°	3308.8	4127.5	5039.1	5976.7	6940.7	7793.3	8596.8	9316.3	10016.9	10714.5	11294.3
-30°	3152.7	3887.8	4766.1	5661.7	6601.4	7469.4	8278.9	9025.5	9692.2	10381.0	11003.6
-32.5°	2980.5	3633.5	4477.7	5339.2	6225.3	7112.5	7914.5	8656.1	9349.7	10001.2	10654.7
-35°	2812.0	3428.1	4172.1	4993.1	5826.9	6697.3	7499.8	8234.3	8954.1	9599.5	10224.0
-37.5°	2660.5	3205.7	3847.3	4631.5	5428.4	6251.6	7067.8	7778.9	8463.9	9173.5	9782.4
-40°	2496.6	2966.9	3566.0	4259.2	5010.2	5793.1	6574.6	7310.1	7954.1	8655.3	9325.1
-42.5°	2324.9	2772.4	3288.5	3865.0	4574.0	5312.1	6066.5	6786.0	7454.7	8116.2	8779.9
-45°	2174.6	2566.5	3006.1	3532.9	4110.1	4804.3	5518.6	6235.8	6877.5	7507.9	8163.4
-47.5°	2014.7	2359.6	2766.1	3186.8	3688.5	4269.0	4940.7	5602.2	6259.1	6858.9	7439.0
-50°	1855.4	2173.4	2507.3	2886.1	3300.2	3770.7	4328.6	4943.5	5543.5	6159.4	6733.9
-52.5°	1718.2	1977.5	2279.2	2595.3	2949.8	3339.1	3786.0	4291.1	4836.8	5359.4	5932.7
-55°	1575.7	1809.5	2053.0	2331.3	2626.3	2954.8	3321.3	3745.8	4162.2	4645.5	5113.4
-57.5°	1445.8	1643.0	1850.7	2080.5	2336.6	2599.6	2919.8	3250.1	3628.0	4003.7	4374.2
-60°	1323.3	1484.4	1660.7	1855.3	2061.2	2295.1	2534.2	2817.8	3122.2	3422.0	3736.4
-62.5°	1199.8	1335.4	1479.0	1640.7	1820.2	1997.1	2201.1	2419.6	2643.5	2897.7	3145.6
-65°	1072.9	1182.5	1304.3	1438.3	1581.6	1732.2	1889.0	2050.8	2241.3	2427.5	2607.7
-67.5°	938.1	1031.9	1130.4	1235.9	1356.1	1474.4	1592.5	1729.1	1869.4	2007.3	2150.1
-70°	788.7	877.1	959.2	1044.8	1134.1	1226.8	1327.7	1427.9	1526.8	1630.1	1744.7
-72.5°	636.8	718.1	790.3	853.6	926.9	1003.9	1077.6	1147.9	1222.6	1301.0	1378.6
-75°	507.8	561.6	626.1	685.1	743.4	797.6	846.2	905.9	968.1	1025.1	1072.0
-77.5°	396.4	445.2	489.4	528.9	575.3	629.6	677.0	717.6	757.2	800.4	846.0
-80°	288.3	328.9	369.1	405.7	432.4	463.1	499.4	540.9	577.0	606.3	632.9
-82.5°	186.2	215.5	245.4	275.8	288.2	296.7	304.6	319.1	341.3	363.3	384.3
-85°	92.8	101.3	119.5	138.2	144.7	149.3	152.4	154.1	161.6	168.6	174.7
-87.5°	46.4	50.7	54.9	59.1	56.9	53.9	50.1	45.6	44.5	43.2	41.5
-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: P645591 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-740-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°	2.6	2.7	2.8	2.8	2.9	2.2	1.5	0.8	0.0	0.0	0.0
85°	3.2	3.2	3.2	3.2	3.2	3.1	3.0	3.0	3.0	2.3	1.6
82.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1
80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
75°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
72.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
70°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
67.5°	3.4	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.2	2.8	2.1
65°	4.5	4.4	4.6	4.5	3.9	3.8	4.0	3.9	3.5	2.8	1.9
62.5°	8.1	9.1	7.2	7.1	7.0	6.8	6.5	6.1	5.7	5.4	5.6
60°	50.5	29.9	17.5	20.4	18.3	12.2	15.5	18.2	18.3	16.8	14.8
57.5°	279.8	209.0	154.7	369.4	370.6	176.9	213.1	335.0	275.9	90.6	84.1
55°	778.5	931.1	1225.5	1164.0	1183.0	1360.6	1485.7	1315.3	1289.4	1373.9	1587.2
52.5°	1398.6	1544.1	1643.1	1735.7	1848.5	1969.7	2094.4	2173.9	2248.1	2327.2	2374.4
50°	1786.0	1991.0	2131.9	2080.0	2371.7	2491.1	2369.9	2478.3	2610.5	2646.6	2663.7
47.5°	2637.2	2937.9	2997.6	3191.3	3365.3	3361.6	3213.9	3222.5	3615.8	3962.7	4133.1
45°	3790.1	3800.3	3989.4	4331.4	4575.9	4499.0	4705.3	5174.4	5330.6	5481.6	5605.3
42.5°	4239.2	4425.4	4727.0	5029.5	5211.8	5369.9	5522.6	5695.0	5897.8	6062.2	6193.6
40°	4674.1	4824.0	5133.0	5376.6	5527.6	5675.1	5853.1	6044.2	6229.7	6374.2	6472.8
37.5°	5343.4	5459.7	5534.9	5761.0	6046.5	5914.7	6252.5	6494.7	6605.4	6752.1	6765.3
35°	6356.1	6278.7	6178.5	7078.7	7132.5	6828.5	7144.4	7519.8	7322.0	7734.1	7955.7
32.5°	7253.8	7242.3	8027.9	8501.1	8228.8	8451.1	9179.3	9147.0	9632.3	9857.5	9793.3
30°	8099.6	8388.2	8842.5	9195.0	9242.2	9592.6	9915.9	10199.2	10492.3	10754.9	10772.9
27.5°	8528.9	8905.5	9214.0	9417.9	9645.5	9940.3	10233.8	10552.8	10802.0	10966.7	11006.9
25°	8788.6	9173.4	9406.9	9626.4	9877.7	10132.0	10460.7	10808.1	11008.2	11109.9	11142.3
22.5°	9017.7	9363.3	9614.4	9792.6	10062.9	10336.6	10642.9	10937.0	11154.6	11198.9	11215.1
20°	9238.1	9570.2	9989.6	10251.8	10238.7	10547.0	10842.2	11076.2	11257.5	11256.4	11260.8
17.5°	9875.7	9994.2	10755.2	11332.9	11046.9	10896.0	11707.8	11723.2	11771.4	11675.6	11467.9
15°	10819.8	11035.6	11970.5	12596.8	12399.6	12389.3	13561.8	13271.0	13521.2	13455.8	13737.4
12.5°	11819.8	12075.4	12774.0	13389.0	13682.0	13754.1	14145.7	14512.6	14588.0	14558.4	14503.0
10°	12501.0	12865.1	13145.8	13519.1	13814.6	14116.1	14343.0	14606.5	14692.9	14643.0	14572.4
7.5°	12589.7	12949.6	13279.1	13606.6	13888.1	14131.0	14366.4	14581.0	14668.8	14639.8	14591.3
5°	12646.2	12972.2	13291.5	13623.8	13892.9	14118.0	14352.7	14570.0	14621.8	14587.0	14539.7
2.5°	12681.0	12982.7	13290.5	13621.4	13865.8	14080.2	14317.7	14549.5	14549.1	14533.9	14506.3
0°	12697.8	13000.4	13357.8	13657.2	13930.9	14133.7	14368.7	14594.1	14578.0	14536.1	14487.8
-2.5°	12734.0	13040.6	13405.3	13653.5	13962.0	14147.8	14390.7	14585.8	14578.3	14557.7	14533.8
-5°	12766.2	13111.1	13452.3	13713.3	14022.5	14265.4	14506.9	14659.5	14667.6	14639.0	14598.7
-7.5°	12785.9	13168.2	13493.7	13755.8	14055.8	14338.2	14583.1	14743.3	14746.8	14708.7	14660.6
-10°	12779.3	13183.0	13518.0	13788.8	14096.0	14375.0	14631.0	14834.1	14827.5	14791.2	14750.1
-12.5°	12755.2	13158.4	13502.4	13774.1	14122.9	14410.1	14698.1	14900.1	14910.8	14883.6	14839.2
-15°	12702.2	13118.4	13453.0	13749.8	14091.6	14427.3	14723.3	14946.1	14985.9	14963.6	14928.5
-17.5°	12597.3	13036.5	13391.5	13711.2	14039.2	14397.0	14733.6	14977.3	15031.6	15022.8	14993.6
-20°	12459.5	12912.8	13273.1	13608.1	13965.2	14333.8	14725.5	14948.2	15027.0	15032.0	15012.3

Classified

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

Scaled Data Report



REPORT NUMBER: P645591 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA6E-740-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°	12304.9	12748.7	13130.9	13460.2	13847.4	14220.5	14575.2	14836.0	14968.5	14993.1	14994.8
-25°	12119.5	12575.5	12955.3	13306.0	13666.0	14051.4	14409.8	14701.0	14835.3	14899.5	14919.4
-27.5°	11857.5	12328.8	12702.5	13073.2	13439.5	13837.6	14214.3	14530.9	14640.1	14728.3	14763.7
-30°	11550.6	12016.7	12397.7	12736.5	13155.7	13561.5	13950.3	14226.5	14391.3	14492.2	14547.4
-32.5°	11197.7	11668.2	12068.1	12422.0	12820.3	13226.1	13591.9	13883.2	14110.4	14226.8	14285.8
-35°	10815.0	11295.3	11714.0	12086.8	12461.8	12848.7	13227.6	13532.4	13791.2	13891.2	13965.1
-37.5°	10353.4	10883.3	11312.6	11697.0	12053.4	12417.0	12811.6	13160.0	13411.3	13508.4	13586.3
-40°	9880.1	10392.1	10825.2	11235.2	11587.6	11984.6	12364.8	12729.9	12948.0	13061.2	13149.4
-42.5°	9380.4	9843.0	10254.8	10653.1	11045.4	11454.2	11834.1	12213.6	12402.2	12538.6	12646.8
-45°	8803.6	9234.1	9634.2	10007.0	10411.4	10813.2	11193.4	11528.8	11753.2	11930.8	12068.9
-47.5°	8034.6	8559.0	8960.7	9315.3	9716.2	10103.9	10472.3	10787.7	11033.8	11241.5	11402.0
-50°	7253.6	7756.8	8209.9	8608.3	8980.3	9338.8	9689.5	9997.9	10258.4	10483.5	10646.1
-52.5°	6484.4	6955.9	7405.6	7816.8	8174.4	8512.8	8833.7	9144.0	9418.6	9659.3	9816.5
-55°	5615.3	6103.8	6548.5	6932.0	7289.3	7623.8	7940.6	8234.9	8505.3	8750.4	8901.1
-57.5°	4800.0	5228.5	5642.3	5996.3	6333.5	6652.1	6952.5	7234.2	7494.4	7725.1	7870.4
-60°	4050.5	4362.9	4719.1	5045.9	5344.9	5616.0	5896.2	6158.9	6398.0	6600.8	6736.2
-62.5°	3388.1	3647.0	3904.1	4152.7	4395.2	4638.9	4873.4	5091.3	5291.0	5457.2	5575.8
-65°	2797.9	3005.9	3191.9	3368.1	3536.0	3728.2	3906.6	4074.4	4229.6	4357.0	4447.4
-67.5°	2303.9	2450.1	2578.6	2699.5	2832.0	2967.8	3095.0	3206.0	3300.8	3376.3	3435.9
-70°	1857.9	1965.5	2062.4	2158.8	2255.5	2343.8	2428.0	2509.6	2587.1	2650.3	2697.6
-72.5°	1455.0	1528.5	1594.5	1668.7	1738.3	1805.3	1863.6	1910.7	1947.2	1982.7	2013.8
-75°	1109.3	1164.5	1238.9	1301.8	1353.8	1399.8	1441.9	1479.5	1512.5	1541.7	1567.4
-77.5°	892.2	939.1	986.5	1032.4	1076.8	1109.7	1140.4	1171.1	1201.1	1227.0	1249.9
-80°	661.2	696.2	732.8	769.6	806.3	824.6	839.1	852.6	864.6	880.0	894.4
-82.5°	404.3	424.1	444.4	465.1	485.6	490.8	492.6	492.1	489.5	483.9	475.4
-85°	179.9	181.0	180.4	178.3	174.9	167.8	159.1	149.0	137.7	136.0	133.9
-87.5°	39.6	38.7	37.6	36.4	35.0	34.9	34.8	34.5	34.2	35.3	36.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645591 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-740-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	0.8
85°	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.3	3.0	3.0
82.5°	3.1	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.2	3.2
80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
75°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
72.5°	3.2	3.2	1.7	0.0	1.7	3.2	3.2	3.2	3.2	3.2	3.2
70°	3.2	3.2	1.7	0.0	1.7	3.2	3.2	3.2	3.2	3.2	3.2
67.5°	1.2	0.2	0.0	0.0	0.0	0.2	1.2	2.1	2.8	3.2	3.2
65°	1.0	0.2	0.0	0.0	0.0	0.2	1.0	1.9	2.8	3.5	3.9
62.5°	5.9	6.1	6.3	6.4	6.3	6.1	5.9	5.6	5.4	5.7	6.1
60°	11.6	7.6	6.4	6.4	6.4	7.6	11.6	14.8	16.8	18.3	18.2
57.5°	71.1	53.1	45.1	41.9	45.1	53.1	71.1	84.1	90.6	275.9	335.0
55°	1739.9	1828.5	1894.7	1925.3	1894.7	1828.5	1739.9	1587.2	1373.9	1289.4	1315.3
52.5°	2415.8	2454.4	2476.5	2475.8	2476.5	2454.4	2415.8	2374.4	2327.2	2248.1	2173.9
50°	2692.7	2711.4	2718.1	2714.1	2718.1	2711.4	2692.7	2663.7	2646.6	2610.5	2478.3
47.5°	3977.5	3633.2	3380.1	3319.3	3380.1	3633.2	3977.5	4133.1	3962.7	3615.8	3222.5
45°	5664.7	5795.3	5925.3	5965.8	5925.3	5795.3	5664.7	5605.3	5481.6	5330.6	5174.4
42.5°	6249.1	6291.7	6315.8	6316.7	6315.8	6291.7	6249.1	6193.6	6062.2	5897.8	5695.0
40°	6528.0	6568.1	6591.4	6593.6	6591.4	6568.1	6528.0	6472.8	6374.2	6229.7	6044.2
37.5°	6781.3	6815.5	6838.0	6860.8	6838.0	6815.5	6781.3	6765.3	6752.1	6605.4	6494.7
35°	7925.8	7666.6	7293.7	7350.2	7293.7	7666.6	7925.8	7955.7	7734.1	7322.0	7519.8
32.5°	9893.7	10002.7	10070.7	10186.6	10070.7	10002.7	9893.7	9793.3	9857.5	9632.3	9147.0
30°	10801.7	10837.7	10892.2	10949.6	10892.2	10837.7	10801.7	10772.9	10754.9	10492.3	10199.2
27.5°	11028.2	11065.5	11098.7	11123.4	11098.7	11065.5	11028.2	11006.9	10966.7	10802.0	10552.8
25°	11146.9	11170.0	11205.2	11236.1	11205.2	11170.0	11146.9	11142.3	11109.9	11008.2	10808.1
22.5°	11205.7	11208.1	11235.7	11274.8	11235.7	11208.1	11205.7	11215.1	11198.9	11154.6	10937.0
20°	11246.1	11224.2	11252.7	11278.0	11252.7	11224.2	11246.1	11260.8	11256.4	11257.5	11076.2
17.5°	11760.9	11467.2	11346.5	11348.8	11346.5	11467.2	11760.9	11467.9	11675.6	11771.4	11723.2
15°	13421.3	13531.5	13953.8	14182.0	13953.8	13531.5	13421.3	13737.4	13455.8	13521.2	13271.0
12.5°	14492.7	14453.5	14403.4	14471.8	14403.4	14453.5	14492.7	14503.0	14558.4	14588.0	14512.6
10°	14542.4	14537.9	14448.5	14545.8	14448.5	14537.9	14542.4	14572.4	14643.0	14692.9	14606.5
7.5°	14511.9	14514.7	14476.6	14571.6	14476.6	14514.7	14511.9	14591.3	14639.8	14668.8	14581.0
5°	14532.1	14466.7	14491.5	14545.8	14491.5	14466.7	14532.1	14539.7	14587.0	14621.8	14570.0
2.5°	14475.8	14469.1	14420.9	14458.9	14420.9	14469.1	14475.8	14506.3	14533.9	14549.1	14549.5
0°	14433.1	14397.7	14397.7	14429.9	14397.7	14397.7	14433.1	14487.8	14536.1	14578.0	14594.1
-2.5°	14509.3	14501.8	14497.1	14475.0	14497.1	14501.8	14509.3	14533.8	14557.7	14578.3	14585.8
-5°	14571.8	14552.7	14500.0	14571.6	14500.0	14552.7	14571.8	14598.7	14639.0	14667.6	14659.5
-7.5°	14639.2	14590.3	14540.3	14652.0	14540.3	14590.3	14639.2	14660.6	14708.7	14746.8	14743.3
-10°	14700.7	14630.0	14581.3	14690.7	14581.3	14630.0	14700.7	14750.1	14791.2	14827.5	14834.1
-12.5°	14781.9	14699.3	14666.8	14726.1	14666.8	14699.3	14781.9	14839.2	14883.6	14910.8	14900.1
-15°	14868.6	14811.4	14803.8	14838.8	14803.8	14811.4	14868.6	14928.5	14963.6	14985.9	14946.1
-17.5°	14944.8	14904.6	14924.5	14964.3	14924.5	14904.6	14944.8	14993.6	15022.8	15031.6	14977.3
-20°	14981.1	14958.7	14981.0	15080.2	14981.0	14958.7	14981.1	15012.3	15032.0	15027.0	14948.2



REPORT NUMBER: P645591 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-740-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°	14978.1	14979.5	15018.8	15051.3	15018.8	14979.5	14978.1	14994.8	14993.1	14968.5	14836.0
-25°	14920.9	14951.0	14996.2	15060.9	14996.2	14951.0	14920.9	14919.4	14899.5	14835.3	14701.0
-27.5°	14783.0	14833.0	14880.3	14948.2	14880.3	14833.0	14783.0	14763.7	14728.3	14640.1	14530.9
-30°	14583.7	14643.2	14685.4	14758.3	14685.4	14643.2	14583.7	14547.4	14492.2	14391.3	14226.5
-32.5°	14341.2	14408.5	14458.4	14510.4	14458.4	14408.5	14341.2	14285.8	14226.8	14110.4	13883.2
-35°	14038.1	14110.5	14163.5	14211.0	14163.5	14110.5	14038.1	13965.1	13891.2	13791.2	13532.4
-37.5°	13673.8	13752.0	13812.3	13866.5	13812.3	13752.0	13673.8	13586.3	13508.4	13411.3	13160.0
-40°	13249.4	13329.6	13394.0	13454.4	13394.0	13329.6	13249.4	13149.4	13061.2	12948.0	12729.9
-42.5°	12753.2	12834.2	12900.7	12961.8	12900.7	12834.2	12753.2	12646.8	12538.6	12402.2	12213.6
-45°	12180.2	12263.5	12333.8	12398.4	12333.8	12263.5	12180.2	12068.9	11930.8	11753.2	11528.8
-47.5°	11520.3	11609.4	11669.6	11699.7	11669.6	11609.4	11520.3	11402.0	11241.5	11033.8	10787.7
-50°	10763.9	10853.0	10925.2	10978.6	10925.2	10853.0	10763.9	10646.1	10483.5	10258.4	9997.9
-52.5°	9931.3	10016.0	10078.2	10115.7	10078.2	10016.0	9931.3	9816.5	9659.3	9418.6	9144.0
-55°	9019.6	9108.4	9167.4	9195.0	9167.4	9108.4	9019.6	8901.1	8750.4	8505.3	8234.9
-57.5°	7985.6	8069.9	8132.6	8167.9	8132.6	8069.9	7985.6	7870.4	7725.1	7494.4	7234.2
-60°	6841.7	6917.1	6964.6	6983.1	6964.6	6917.1	6841.7	6736.2	6600.8	6398.0	6158.9
-62.5°	5671.5	5743.0	5787.5	5804.8	5787.5	5743.0	5671.5	5575.8	5457.2	5291.0	5091.3
-65°	4514.7	4559.5	4584.2	4587.8	4584.2	4559.5	4514.7	4447.4	4357.0	4229.6	4074.4
-67.5°	3483.0	3517.1	3537.8	3544.7	3537.8	3517.1	3483.0	3435.9	3376.3	3300.8	3206.0
-70°	2732.9	2756.4	2769.7	2772.0	2769.7	2756.4	2732.9	2697.6	2650.3	2587.1	2509.6
-72.5°	2037.6	2054.4	2048.5	2034.7	2048.5	2054.4	2037.6	2013.8	1982.7	1947.2	1910.7
-75°	1589.6	1608.1	1600.3	1587.2	1600.3	1608.1	1589.6	1567.4	1541.7	1512.5	1479.5
-77.5°	1269.8	1286.7	1278.4	1265.3	1278.4	1286.7	1269.8	1249.9	1227.0	1201.1	1171.1
-80°	906.8	916.7	923.7	927.2	923.7	916.7	906.8	894.4	880.0	864.6	852.6
-82.5°	464.2	450.6	441.9	431.4	441.9	450.6	464.2	475.4	483.9	489.5	492.1
-85°	131.2	128.1	130.2	132.0	130.2	128.1	131.2	133.9	136.0	137.7	149.0
-87.5°	37.5	38.5	38.6	38.6	38.6	38.5	37.5	36.4	35.3	34.2	34.5
-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: P645591 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-740-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°	1.5	2.2	2.9	2.8	2.8	2.7	2.6	2.5	2.5	2.4	2.3
85°	3.0	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
82.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
75°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
72.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
70°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.5
67.5°	3.2	3.2	3.3	3.2	3.2	3.2	3.4	3.3	3.2	3.2	3.9
65°	4.0	3.8	3.9	4.5	4.6	4.4	4.5	4.6	4.6	4.4	4.1
62.5°	6.5	6.8	7.0	7.1	7.2	9.1	8.1	8.1	7.6	9.2	12.5
60°	15.5	12.2	18.3	20.4	17.5	29.9	50.5	45.5	13.5	72.9	84.1
57.5°	213.1	176.9	370.6	369.4	154.7	209.0	279.8	184.3	120.5	206.5	272.8
55°	1485.7	1360.6	1183.0	1164.0	1225.5	931.1	778.5	749.1	586.4	381.2	452.8
52.5°	2094.4	1969.7	1848.5	1735.7	1643.1	1544.1	1398.6	1241.3	1191.0	959.0	739.5
50°	2369.9	2491.1	2371.7	2080.0	2131.9	1991.0	1786.0	1618.8	1653.1	1511.2	1218.4
47.5°	3213.9	3361.6	3365.3	3191.3	2997.6	2937.9	2637.2	2114.9	2149.9	2143.8	1833.8
45°	4705.3	4499.0	4575.9	4331.4	3989.4	3800.3	3790.1	3231.3	2713.9	2629.8	2599.7
42.5°	5522.6	5369.9	5211.8	5029.5	4727.0	4425.4	4239.2	3924.9	3508.8	3140.5	3009.8
40°	5853.1	5675.1	5527.6	5376.6	5133.0	4824.0	4674.1	4261.4	3948.6	3629.8	3523.6
37.5°	6252.5	5914.7	6046.5	5761.0	5534.9	5459.7	5343.4	4913.9	4220.7	4162.4	4108.7
35°	7144.4	6828.5	7132.5	7078.7	6178.5	6278.7	6356.1	5828.3	5102.5	4709.0	4717.5
32.5°	9179.3	8451.1	8228.8	8501.1	8027.9	7242.3	7253.8	7093.1	6102.5	5529.9	5279.3
30°	9915.9	9592.6	9242.2	9195.0	8842.5	8388.2	8099.6	7713.3	6992.4	6338.9	5909.4
27.5°	10233.8	9940.3	9645.5	9417.9	9214.0	8905.5	8528.9	8075.2	7562.3	6976.7	6559.5
25°	10460.7	10132.0	9877.7	9626.4	9406.9	9173.4	8788.6	8346.7	7868.2	7396.1	6948.1
22.5°	10642.9	10336.6	10062.9	9792.6	9614.4	9363.3	9017.7	8561.2	8240.0	7940.0	7357.5
20°	10842.2	10547.0	10238.7	10251.8	9989.6	9570.2	9238.1	9010.8	8966.8	8629.2	7877.2
17.5°	11707.8	10896.0	11046.9	11332.9	10755.2	9994.2	9875.7	9888.4	9748.8	9434.9	8499.9
15°	13561.8	12389.3	12399.6	12596.8	11970.5	11035.6	10819.8	10793.4	10573.8	10226.5	9157.5
12.5°	14145.7	13754.1	13682.0	13389.0	12774.0	12075.4	11819.8	11681.2	11278.2	10606.3	9630.6
10°	14343.0	14116.1	13814.6	13519.1	13145.8	12865.1	12501.0	11997.4	11425.3	10777.3	9983.1
7.5°	14366.4	14131.0	13888.1	13606.6	13279.1	12949.6	12589.7	12089.2	11536.1	10900.5	10231.5
5°	14352.7	14118.0	13892.9	13623.8	13291.5	12972.2	12646.2	12151.1	11610.8	10980.9	10394.7
2.5°	14317.7	14080.2	13865.8	13621.4	13290.5	12982.7	12681.0	12217.6	11664.4	11047.2	10449.3
0°	14368.7	14133.7	13930.9	13657.2	13357.8	13000.4	12697.8	12285.7	11690.1	11091.3	10469.9
-2.5°	14390.7	14147.8	13962.0	13653.5	13405.3	13040.6	12734.0	12335.9	11738.7	11169.0	10519.6
-5°	14506.9	14265.4	14022.5	13713.3	13452.3	13111.1	12766.2	12356.3	11775.2	11211.1	10542.1
-7.5°	14583.1	14338.2	14055.8	13755.8	13493.7	13168.2	12785.9	12358.2	11808.6	11210.4	10552.9
-10°	14631.0	14375.0	14096.0	13788.8	13518.0	13183.0	12779.3	12347.5	11801.9	11184.2	10529.2
-12.5°	14698.1	14410.1	14122.9	13774.1	13502.4	13158.4	12755.2	12322.8	11751.4	11135.3	10468.9
-15°	14723.3	14427.3	14091.6	13749.8	13453.0	13118.4	12702.2	12249.8	11663.1	11059.7	10370.5
-17.5°	14733.6	14397.0	14039.2	13711.2	13391.5	13036.5	12597.3	12116.2	11550.0	10926.5	10240.6
-20°	14725.5	14333.8	13965.2	13608.1	13273.1	12912.8	12459.5	11983.1	11388.1	10753.9	10072.5



REPORT NUMBER: P645591 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-740-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°	14575.2	14220.5	13847.4	13460.2	13130.9	12748.7	12304.9	11811.9	11177.9	10564.5	9858.4
-25°	14409.8	14051.4	13666.0	13306.0	12955.3	12575.5	12119.5	11560.5	10958.3	10320.2	9598.5
-27.5°	14214.3	13837.6	13439.5	13073.2	12702.5	12328.8	11857.5	11294.3	10714.5	10016.9	9316.3
-30°	13950.3	13561.5	13155.7	12736.5	12397.7	12016.7	11550.6	11003.6	10381.0	9692.2	9025.5
-32.5°	13591.9	13226.1	12820.3	12422.0	12068.1	11668.2	11197.7	10654.7	10001.2	9349.7	8656.1
-35°	13227.6	12848.7	12461.8	12086.8	11714.0	11295.3	10815.0	10224.0	9599.5	8954.1	8234.3
-37.5°	12811.6	12417.0	12053.4	11697.0	11312.6	10883.3	10353.4	9782.4	9173.5	8463.9	7778.9
-40°	12364.8	11984.6	11587.6	11235.2	10825.2	10392.1	9880.1	9325.1	8655.3	7954.1	7310.1
-42.5°	11834.1	11454.2	11045.4	10653.1	10254.8	9843.0	9380.4	8779.9	8116.2	7454.7	6786.0
-45°	11193.4	10813.2	10411.4	10007.0	9634.2	9234.1	8803.6	8163.4	7507.9	6877.5	6235.8
-47.5°	10472.3	10103.9	9716.2	9315.3	8960.7	8559.0	8034.6	7439.0	6858.9	6259.1	5602.2
-50°	9689.5	9338.8	8980.3	8608.3	8209.9	7756.8	7253.6	6733.9	6159.4	5543.5	4943.5
-52.5°	8833.7	8512.8	8174.4	7816.8	7405.6	6955.9	6484.4	5932.7	5359.4	4836.8	4291.1
-55°	7940.6	7623.8	7289.3	6932.0	6548.5	6103.8	5615.3	5113.4	4645.5	4162.2	3745.8
-57.5°	6952.5	6652.1	6333.5	5996.3	5642.3	5228.5	4800.0	4374.2	4003.7	3628.0	3250.1
-60°	5896.2	5616.0	5344.9	5045.9	4719.1	4362.9	4050.5	3736.4	3422.0	3122.2	2817.8
-62.5°	4873.4	4638.9	4395.2	4152.7	3904.1	3647.0	3388.1	3145.6	2897.7	2643.5	2419.6
-65°	3906.6	3728.2	3536.0	3368.1	3191.9	3005.9	2797.9	2607.7	2427.5	2241.3	2050.8
-67.5°	3095.0	2967.8	2832.0	2699.5	2578.6	2450.1	2303.9	2150.1	2007.3	1869.4	1729.1
-70°	2428.0	2343.8	2255.5	2158.8	2062.4	1965.5	1857.9	1744.7	1630.1	1526.8	1427.9
-72.5°	1863.6	1805.3	1738.3	1668.7	1594.5	1528.5	1455.0	1378.6	1301.0	1222.6	1147.9
-75°	1441.9	1399.8	1353.8	1301.8	1238.9	1164.5	1109.3	1072.0	1025.1	968.1	905.9
-77.5°	1140.4	1109.7	1076.8	1032.4	986.5	939.1	892.2	846.0	800.4	757.2	717.6
-80°	839.1	824.6	806.3	769.6	732.8	696.2	661.2	632.9	606.3	577.0	540.9
-82.5°	492.6	490.8	485.6	465.1	444.4	424.1	404.3	384.3	363.3	341.3	319.1
-85°	159.1	167.8	174.9	178.3	180.4	181.0	179.9	174.7	168.6	161.6	154.1
-87.5°	34.8	34.9	35.0	36.4	37.6	38.7	39.6	41.5	43.2	44.5	45.6
-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: P645591 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-740-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°	2.2	2.1	1.9	1.8	1.7	1.6	1.5	1.4	1.5	1.6	1.7
85°	3.2	3.2	3.2	3.2	3.2	3.2	3.0	2.7	3.1	3.3	3.4
82.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	4.1	4.9	5.1
80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	4.1	4.9	5.7
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.4	4.2	4.9	5.7
75°	3.2	3.2	3.2	3.3	3.4	3.2	3.2	3.4	4.2	5.0	5.8
72.5°	3.2	3.2	3.2	3.6	4.1	4.1	3.7	3.5	4.3	5.1	5.8
70°	3.7	3.4	3.2	3.7	4.5	5.2	5.0	5.1	4.5	5.2	5.9
67.5°	4.7	4.8	4.4	4.4	4.6	5.4	6.2	7.2	7.1	5.3	6.0
65°	4.9	5.7	6.7	9.1	8.0	5.6	6.3	12.6	10.0	8.5	6.1
62.5°	10.6	5.9	20.3	27.2	15.4	12.0	9.6	28.0	17.6	11.9	8.6
60°	25.3	20.7	56.7	90.9	63.4	21.4	31.4	48.6	44.7	15.4	12.1
57.5°	236.1	81.2	117.6	170.1	167.1	90.7	66.1	88.2	75.9	43.7	17.1
55°	504.1	424.2	280.1	256.4	277.0	223.6	145.6	142.8	117.2	81.2	27.8
52.5°	691.5	721.7	628.1	438.8	382.1	364.1	284.4	207.2	183.9	121.9	70.5
50°	1001.0	932.2	922.8	774.7	535.8	484.9	419.8	323.7	258.1	174.3	119.2
47.5°	1414.1	1242.1	1151.0	1084.4	854.9	618.2	550.6	442.6	339.9	251.2	170.2
45°	2020.8	1605.5	1429.3	1321.3	1171.5	869.4	689.1	558.2	443.0	337.1	223.5
42.5°	2630.0	2075.8	1746.8	1572.6	1416.8	1153.2	837.1	691.4	543.5	424.7	291.2
40°	3167.8	2560.8	2080.8	1856.6	1657.6	1427.3	1076.9	834.0	642.0	514.8	368.1
37.5°	3815.3	3112.9	2465.1	2154.3	1914.2	1656.2	1320.2	982.9	760.4	609.4	445.2
35°	4441.6	3827.8	2895.1	2514.0	2199.8	1890.9	1554.6	1158.9	905.7	705.4	522.3
32.5°	5114.1	4500.0	3544.6	2915.7	2495.4	2130.8	1773.7	1373.0	1051.9	802.7	599.1
30°	5643.6	4942.6	4114.5	3317.8	2817.1	2398.5	1992.4	1578.4	1198.5	900.8	676.7
27.5°	5924.2	5325.5	4564.2	3765.9	3179.1	2672.9	2217.8	1774.7	1344.8	1008.6	757.5
25°	6214.5	5595.3	4885.7	4157.6	3536.6	2963.4	2442.1	1961.8	1504.7	1130.2	837.4
22.5°	6561.8	5824.6	5156.8	4468.0	3905.3	3257.9	2677.5	2151.3	1664.4	1249.4	916.0
20°	6910.5	6037.5	5424.3	4890.4	4267.1	3576.6	2923.5	2336.1	1815.2	1365.5	992.9
17.5°	7276.6	6424.3	5878.4	5302.6	4627.8	3885.4	3165.9	2515.1	1956.6	1477.9	1067.6
15°	7913.5	7003.3	6335.8	5703.7	4986.6	4182.4	3402.4	2687.1	2088.5	1585.9	1137.1
12.5°	8491.8	7542.4	6793.6	6091.6	5339.4	4465.6	3630.6	2850.8	2210.7	1672.1	1199.0
10°	8970.4	8042.2	7246.2	6463.8	5682.0	4733.0	3848.1	2984.1	2284.1	1736.3	1256.1
7.5°	9362.2	8504.2	7687.4	6818.2	5976.2	4907.8	3957.8	3061.8	2340.8	1791.0	1308.1
5°	9645.5	8812.5	7921.7	6941.6	6068.2	4979.6	4032.4	3125.0	2386.6	1836.6	1354.9
2.5°	9727.1	8907.2	8009.8	7009.2	6130.4	5026.1	4085.6	3173.4	2421.8	1873.7	1396.5
0°	9774.5	8969.6	8064.9	7050.8	6162.2	5048.2	4117.8	3206.6	2446.8	1902.7	1432.7
-2.5°	9840.8	9023.3	8118.1	7157.6	6183.3	5115.8	4136.0	3228.3	2478.4	1913.1	1453.8
-5°	9874.0	9044.3	8143.6	7229.4	6177.7	5156.1	4133.7	3235.2	2498.9	1916.7	1469.3
-7.5°	9859.4	9037.2	8144.7	7252.0	6149.8	5165.4	4111.2	3228.0	2507.2	1914.1	1478.9
-10°	9814.9	9000.6	8113.5	7193.7	6124.1	5128.9	4071.2	3207.5	2502.3	1905.9	1482.5
-12.5°	9747.3	8932.1	8049.9	7110.0	6070.4	5053.6	4024.0	3172.3	2482.1	1892.7	1480.1
-15°	9659.6	8832.5	7953.3	7003.5	5982.2	4953.4	3953.2	3121.2	2442.8	1877.7	1471.4
-17.5°	9547.0	8702.5	7823.2	6877.2	5858.1	4829.4	3858.0	3054.7	2393.6	1859.5	1453.6
-20°	9346.2	8528.0	7657.9	6733.7	5696.9	4682.4	3738.1	2972.8	2335.0	1833.5	1428.3



REPORT NUMBER: P645591 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6E-740-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°	9120.3	8312.0	7451.7	6540.0	5502.7	4513.4	3593.2	2875.4	2267.4	1799.7	1397.9
-25°	8879.6	8068.8	7212.2	6272.0	5288.2	4334.8	3448.0	2762.7	2191.3	1757.8	1362.6
-27.5°	8596.8	7793.3	6940.7	5976.7	5039.1	4127.5	3308.8	2662.9	2117.6	1708.0	1322.5
-30°	8278.9	7469.4	6601.4	5661.7	4766.1	3887.8	3152.7	2556.3	2055.4	1653.5	1277.8
-32.5°	7914.5	7112.5	6225.3	5339.2	4477.7	3633.5	2980.5	2442.2	1983.4	1595.7	1236.4
-35°	7499.8	6697.3	5826.9	4993.1	4172.1	3428.1	2812.0	2321.2	1901.7	1533.2	1192.8
-37.5°	7067.8	6251.6	5428.4	4631.5	3847.3	3205.7	2660.5	2201.7	1810.6	1466.3	1144.7
-40°	6574.6	5793.1	5010.2	4259.2	3566.0	2966.9	2496.6	2083.7	1724.5	1395.0	1092.0
-42.5°	6066.5	5312.1	4574.0	3865.0	3288.5	2772.4	2324.9	1956.7	1633.5	1326.2	1034.9
-45°	5518.6	4804.3	4110.1	3532.9	3006.1	2566.5	2174.6	1825.1	1536.5	1255.7	975.8
-47.5°	4940.7	4269.0	3688.5	3186.8	2766.1	2359.6	2014.7	1711.2	1434.7	1180.2	916.7
-50°	4328.6	3770.7	3300.2	2886.1	2507.3	2173.4	1855.4	1591.9	1341.3	1096.8	854.7
-52.5°	3786.0	3339.1	2949.8	2595.3	2279.2	1977.5	1718.2	1469.6	1245.0	1017.0	789.9
-55°	3321.3	2954.8	2626.3	2331.3	2053.0	1809.5	1575.7	1361.0	1146.2	937.0	724.3
-57.5°	2919.8	2599.6	2336.6	2080.5	1850.7	1643.0	1445.8	1250.0	1051.4	854.2	672.2
-60°	2534.2	2295.1	2061.2	1855.3	1660.7	1484.4	1323.3	1139.1	955.8	771.3	614.6
-62.5°	2201.1	1997.1	1820.2	1640.7	1479.0	1335.4	1199.8	1030.5	857.4	694.6	552.0
-65°	1889.0	1732.2	1581.6	1438.3	1304.3	1182.5	1072.9	919.3	758.7	613.4	486.9
-67.5°	1592.5	1474.4	1356.1	1235.9	1130.4	1031.9	938.1	799.3	655.7	527.9	422.5
-70°	1327.7	1226.8	1134.1	1044.8	959.2	877.1	788.7	671.5	548.0	451.3	356.4
-72.5°	1077.6	1003.9	926.9	853.6	790.3	718.1	636.8	545.4	458.8	373.3	289.0
-75°	846.2	797.6	743.4	685.1	626.1	561.6	507.8	443.9	368.4	293.8	232.9
-77.5°	677.0	629.6	575.3	528.9	489.4	445.2	396.4	340.9	281.0	228.5	180.0
-80°	499.4	463.1	432.4	405.7	369.1	328.9	288.3	247.9	204.3	163.6	126.1
-82.5°	304.6	296.7	288.2	275.8	245.4	215.5	186.2	157.3	126.4	97.7	80.9
-85°	152.4	149.3	144.7	138.2	119.5	101.3	92.8	84.2	73.8	63.7	54.1
-87.5°	50.1	53.9	56.9	59.1	54.9	50.7	46.4	42.2	36.9	31.9	27.1
-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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1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645591 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA6E-740-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°	1.7	1.4	1.1	0.8	0.6	0.4	0.0
85°	3.3	2.8	2.2	1.7	1.1	0.7	0.0
82.5°	5.0	4.1	3.3	2.5	1.7	1.1	0.0
80°	6.4	5.5	4.4	3.3	2.2	1.4	0.0
77.5°	6.4	6.5	5.5	4.1	2.8	1.8	0.0
75°	6.5	6.7	6.5	5.0	3.4	2.1	0.0
72.5°	6.6	6.9	6.8	5.8	3.9	2.4	0.0
70°	6.8	7.1	7.1	6.5	4.5	2.8	0.0
67.5°	7.5	7.4	7.4	6.8	5.1	3.1	0.0
65°	8.6	8.5	7.7	7.1	5.7	3.5	0.0
62.5°	10.1	10.6	8.1	7.5	6.2	3.8	0.0
60°	11.9	12.9	8.5	7.8	6.8	4.1	0.0
57.5°	22.0	15.5	10.9	8.1	7.2	4.5	0.0
55°	35.1	18.3	13.6	8.5	7.6	4.8	0.0
52.5°	50.4	23.4	16.4	8.9	7.9	5.1	0.0
50°	67.9	40.0	19.4	9.2	8.3	5.4	0.0
47.5°	91.3	57.8	22.5	10.1	8.7	5.7	0.0
45°	137.8	76.8	25.7	12.5	9.1	6.0	0.0
42.5°	185.4	97.1	29.0	15.0	9.5	6.3	0.0
40°	234.0	118.5	39.0	18.1	9.9	6.6	0.0
37.5°	283.6	141.1	55.8	22.0	10.3	6.9	0.0
35°	333.9	175.3	72.9	26.3	10.7	7.2	0.0
32.5°	388.5	215.0	90.2	31.0	11.2	7.4	0.0
30°	450.9	254.4	107.6	36.1	11.6	7.7	0.0
27.5°	512.1	293.4	129.1	41.5	12.0	7.9	0.0
25°	571.8	331.6	151.1	47.2	12.4	8.2	0.0
22.5°	629.8	370.7	173.1	53.2	12.9	8.4	0.0
20°	685.8	412.6	194.8	59.3	13.3	8.6	0.0
17.5°	741.2	453.1	216.2	65.6	13.7	8.8	0.0
15°	794.5	492.1	237.1	71.9	14.1	9.0	0.0
12.5°	844.3	529.3	257.3	78.1	14.4	9.1	0.0
10°	890.5	564.4	276.6	84.3	14.8	9.3	0.0
7.5°	932.9	597.2	294.8	90.3	15.2	9.4	0.0
5°	971.5	627.4	311.8	96.0	15.5	9.5	0.0
2.5°	1006.2	654.9	327.4	101.3	15.8	9.6	0.0
0°	1036.7	679.3	341.3	106.2	16.1	9.7	0.0
-2.5°	1051.9	694.8	354.3	113.1	18.6	10.3	0.0
-5°	1063.0	707.0	365.3	119.5	21.1	10.8	0.0
-7.5°	1070.1	715.9	374.3	125.2	23.5	11.3	0.0
-10°	1073.3	721.5	381.1	130.1	25.8	11.8	0.0
-12.5°	1072.7	723.8	385.7	134.3	28.0	12.2	0.0
-15°	1068.5	722.7	387.9	137.6	30.1	12.6	0.0
-17.5°	1060.7	718.4	387.6	140.0	32.1	12.9	0.0
-20°	1048.6	710.8	384.8	141.4	33.8	13.2	0.0

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Scaled Data Report



REPORT NUMBER: P645591 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA6E-740-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1031.0	699.9	379.4	141.9	35.4	13.5	0.0
-25°	1009.4	683.1	371.3	141.2	36.9	13.7	0.0
-27.5°	983.8	662.1	360.5	139.5	38.1	13.9	0.0
-30°	954.1	638.2	346.9	136.6	39.1	14.0	0.0
-32.5°	920.5	611.5	331.2	132.6	39.8	14.0	0.0
-35°	884.1	582.1	313.6	127.4	40.3	14.0	0.0
-37.5°	844.9	552.4	294.3	121.0	40.6	13.9	0.0
-40°	802.8	525.6	273.3	113.5	40.7	13.8	0.0
-42.5°	757.7	496.9	257.3	105.3	40.4	13.6	0.0
-45°	709.8	466.3	246.4	97.1	40.0	13.3	0.0
-47.5°	659.2	433.9	233.6	87.6	39.2	13.0	0.0
-50°	616.8	399.9	218.8	84.5	38.3	12.6	0.0
-52.5°	574.5	364.2	202.1	82.8	37.0	12.1	0.0
-55°	530.5	337.2	183.6	80.3	35.6	11.6	0.0
-57.5°	484.9	309.8	163.4	76.8	33.9	11.0	0.0
-60°	438.5	279.8	142.1	72.4	31.9	10.4	0.0
-62.5°	396.2	247.5	132.0	67.3	30.0	9.7	0.0
-65°	350.8	213.0	120.5	61.4	27.9	9.0	0.0
-67.5°	302.6	184.1	107.7	54.8	25.6	8.3	0.0
-70°	251.8	161.1	93.7	47.5	23.1	7.4	0.0
-72.5°	213.0	136.4	78.6	41.8	20.6	6.6	0.0
-75°	174.1	110.2	62.5	36.4	17.9	5.7	0.0
-77.5°	133.3	82.6	51.7	30.7	15.0	4.8	0.0
-80°	91.0	63.0	41.7	24.8	12.1	3.9	0.0
-82.5°	66.8	47.6	31.5	18.7	9.2	2.9	0.0
-85°	44.8	31.9	21.1	12.5	6.1	2.0	0.0
-87.5°	22.5	16.0	10.6	6.3	3.1	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)