

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: P645397 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2E-735-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645397 (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-SA2E-735-U-LAM-VSR-XX  
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

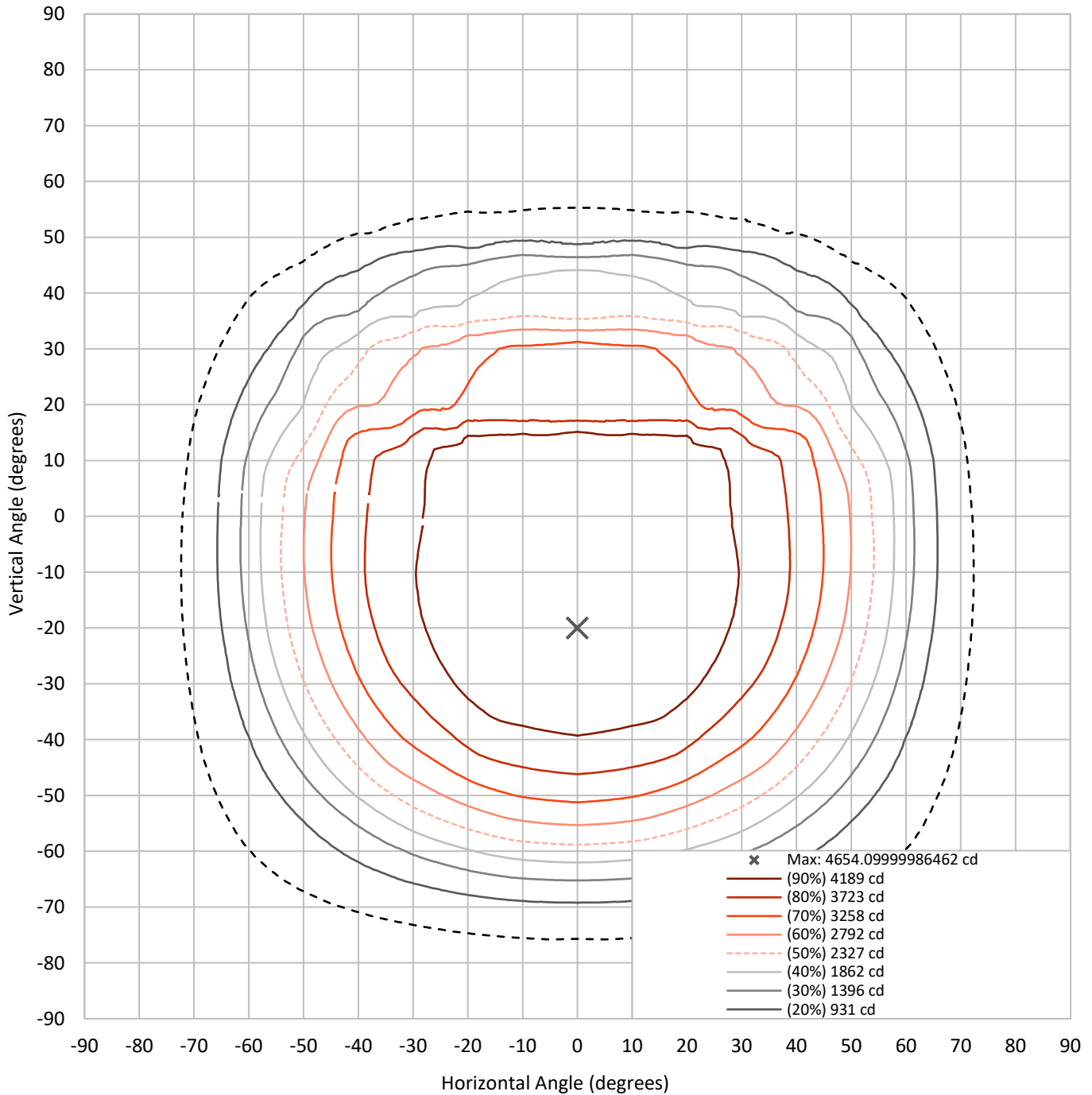
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	10912.9 lumens	Max Intensity:	4654.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	86.8 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	8531 lumens	Field Lumens:	10696.2 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	125.7		
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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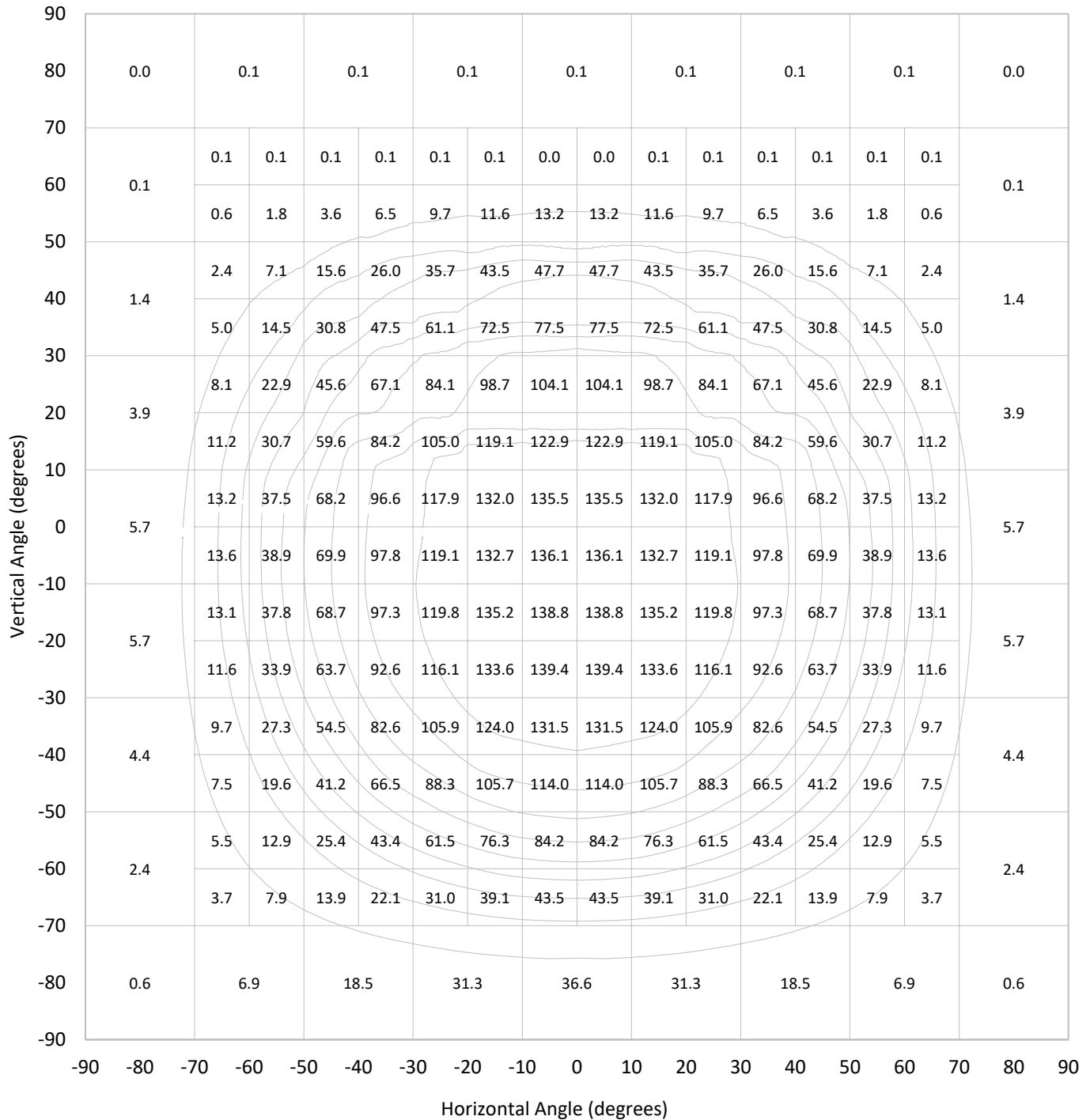
### Iso-Candela Plot





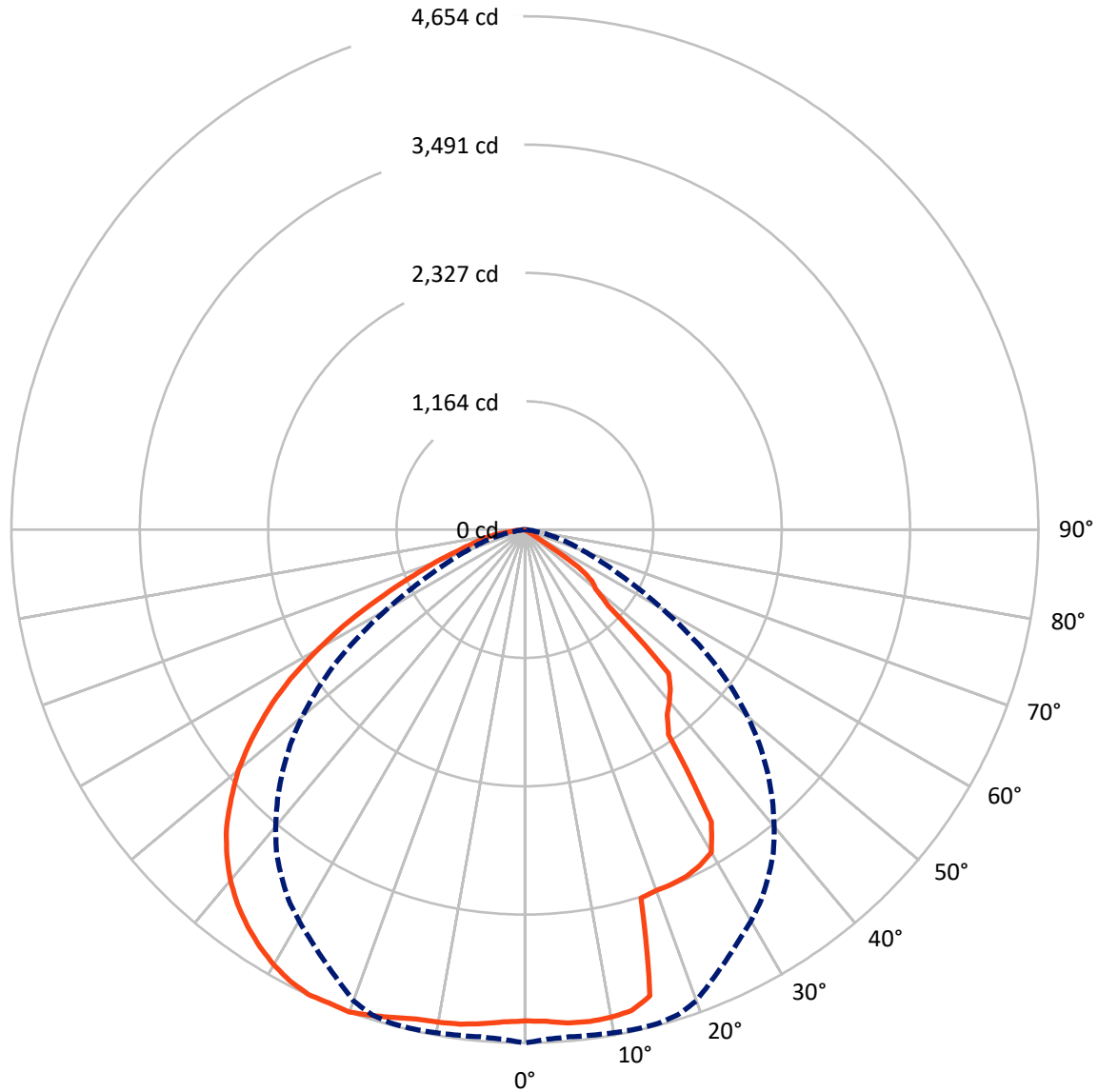
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### Lumen Table



REPORT NUMBER: P645397 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA2E-735-U-LAM-VSR-XX

### Luminous Intensity Polar Plot

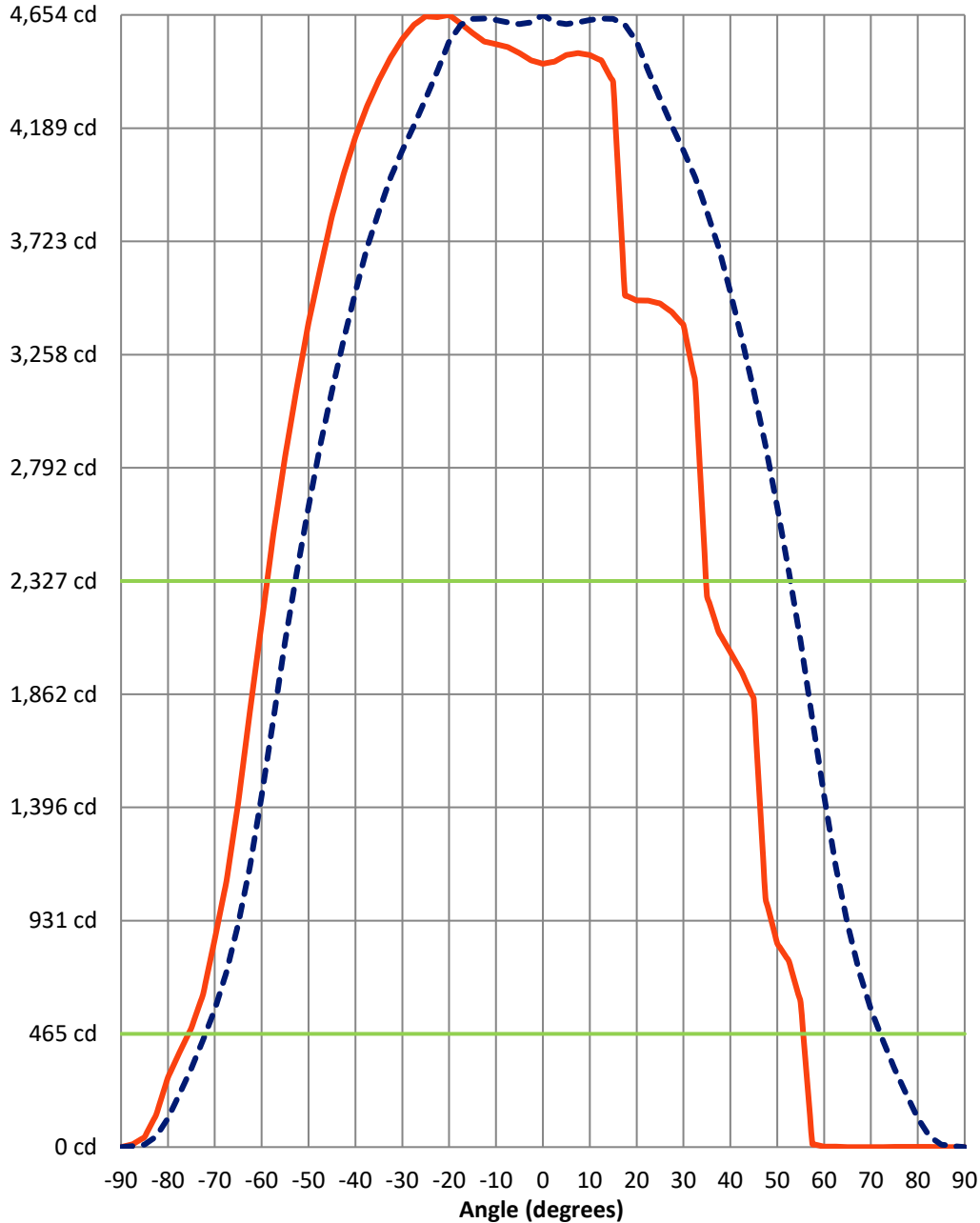


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through -20-Deg



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 8531  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 10696.2  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 216.7  
 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	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.4
85°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.1	1.0	1.0	0.9
82.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.6	1.5	1.3	1.0
80°	0.0	0.4	0.7	1.0	1.4	1.7	2.0	1.8	1.5	1.3	1.0
77.5°	0.0	0.5	0.9	1.3	1.7	2.0	2.0	1.8	1.5	1.3	1.1
75°	0.0	0.7	1.1	1.5	2.0	2.1	2.0	1.8	1.6	1.3	1.1
72.5°	0.0	0.8	1.2	1.8	2.1	2.2	2.1	1.8	1.6	1.3	1.1
70°	0.0	0.9	1.4	2.0	2.2	2.2	2.1	1.8	1.6	1.4	1.6
67.5°	0.0	1.0	1.6	2.1	2.3	2.3	2.3	1.9	1.7	2.2	2.3
65°	0.0	1.1	1.8	2.2	2.4	2.6	2.7	1.9	2.7	3.1	3.9
62.5°	0.0	1.2	1.9	2.3	2.5	3.3	3.1	2.7	3.7	5.5	8.7
60°	0.0	1.3	2.1	2.4	2.6	4.0	3.7	3.8	4.8	13.8	15.0
57.5°	0.0	1.4	2.2	2.5	3.4	4.8	6.8	5.3	13.5	23.5	27.2
55°	0.0	1.5	2.4	2.6	4.2	5.6	10.9	8.6	25.1	36.2	44.1
52.5°	0.0	1.6	2.5	2.7	5.1	7.2	15.6	21.8	37.6	56.8	63.9
50°	0.0	1.7	2.6	2.9	6.0	12.3	21.0	36.8	53.8	79.7	99.9
47.5°	0.0	1.8	2.7	3.1	6.9	17.8	28.2	52.5	77.5	104.9	136.6
45°	0.0	1.9	2.8	3.9	7.9	23.7	42.5	69.0	104.1	136.7	172.2
42.5°	0.0	2.0	3.0	4.6	8.9	30.0	57.2	89.9	131.1	167.7	213.3
40°	0.0	2.1	3.1	5.6	12.0	36.6	72.2	113.6	158.9	198.1	257.4
37.5°	0.0	2.1	3.2	6.8	17.2	43.6	87.5	137.4	188.1	234.6	303.3
35°	0.0	2.2	3.3	8.1	22.5	54.1	103.1	161.2	217.7	279.5	357.6
32.5°	0.0	2.3	3.5	9.6	27.8	66.4	119.9	184.9	247.7	324.6	423.7
30°	0.0	2.4	3.6	11.1	33.2	78.5	139.2	208.9	278.0	369.9	487.1
27.5°	0.0	2.5	3.7	12.8	39.8	90.5	158.1	233.8	311.2	415.0	547.7
25°	0.0	2.5	3.9	14.6	46.6	102.4	176.5	258.4	348.8	464.4	605.4
22.5°	0.0	2.6	4.0	16.4	53.4	114.4	194.4	282.7	385.6	513.7	663.9
20°	0.0	2.7	4.1	18.3	60.1	127.4	211.7	306.4	421.4	560.2	720.9
17.5°	0.0	2.7	4.2	20.2	66.7	139.9	228.8	329.5	456.1	603.8	776.2
15°	0.0	2.8	4.4	22.2	73.2	151.9	245.2	351.0	489.4	644.5	829.3
12.5°	0.0	2.8	4.5	24.1	79.4	163.4	260.6	370.1	516.0	682.2	879.8
10°	0.0	2.9	4.6	26.0	85.3	174.2	274.8	387.7	535.9	704.9	921.0
7.5°	0.0	2.9	4.7	27.9	91.0	184.3	287.9	403.7	552.7	722.4	945.0
5°	0.0	2.9	4.8	29.6	96.2	193.7	299.8	418.2	566.8	736.5	964.5
2.5°	0.0	3.0	4.9	31.3	101.0	202.2	310.5	431.0	578.2	747.4	979.4
0°	0.0	3.0	5.0	32.8	105.3	209.7	319.9	442.2	587.2	755.1	989.6
-2.5°	0.0	3.2	5.8	34.9	109.3	214.5	324.6	448.7	590.4	764.8	996.3
-5°	0.0	3.3	6.5	36.9	112.7	218.2	328.0	453.5	591.5	771.2	998.4
-7.5°	0.0	3.5	7.3	38.7	115.5	221.0	330.2	456.5	590.7	773.8	996.2
-10°	0.0	3.6	8.0	40.2	117.6	222.7	331.2	457.6	588.2	772.3	989.9
-12.5°	0.0	3.8	8.7	41.5	119.0	223.4	331.0	456.8	584.2	766.1	979.0
-15°	0.0	3.9	9.3	42.5	119.7	223.0	329.7	454.1	579.5	753.9	963.3
-17.5°	0.0	4.0	9.9	43.2	119.6	221.7	327.3	448.7	573.9	738.7	942.8
-20°	0.0	4.1	10.5	43.7	118.8	219.3	323.6	440.8	565.9	720.6	917.5

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Scaled Data Report



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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	4.2	11.0	43.8	117.1	216.0	318.2	431.4	555.4	699.8	887.4
-25°	0.0	4.2	11.4	43.6	114.6	210.8	311.5	420.5	542.5	676.3	852.7
-27.5°	0.0	4.3	11.8	43.1	111.3	204.3	303.6	408.1	527.1	653.6	821.8
-30°	0.0	4.3	12.1	42.2	107.1	197.0	294.4	394.3	510.3	634.3	788.9
-32.5°	0.0	4.3	12.3	41.0	102.2	188.7	284.0	381.6	492.5	612.1	753.7
-35°	0.0	4.3	12.5	39.4	96.8	179.6	272.8	368.1	473.2	586.9	716.4
-37.5°	0.0	4.3	12.6	37.4	90.9	170.5	260.7	353.3	452.5	558.8	679.5
-40°	0.0	4.2	12.6	35.1	84.4	162.2	247.7	337.0	430.5	532.2	643.1
-42.5°	0.0	4.2	12.5	32.6	79.4	153.3	233.8	319.4	409.3	504.1	603.9
-45°	0.0	4.1	12.3	30.0	76.1	143.9	219.0	301.1	387.5	474.2	563.2
-47.5°	0.0	4.0	12.1	27.1	72.1	133.9	203.4	282.9	364.2	442.8	528.1
-50°	0.0	3.9	11.8	26.1	67.6	123.4	190.4	263.8	338.5	413.9	491.3
-52.5°	0.0	3.7	11.4	25.6	62.4	112.4	177.3	243.8	313.9	384.2	453.5
-55°	0.0	3.6	11.0	24.8	56.7	104.1	163.7	223.5	289.2	353.8	420.0
-57.5°	0.0	3.4	10.4	23.7	50.5	95.6	149.6	207.4	263.6	324.5	385.8
-60°	0.0	3.2	9.8	22.4	43.9	86.4	135.3	189.7	238.0	295.0	351.6
-62.5°	0.0	3.0	9.2	20.8	40.8	76.4	122.3	170.3	214.4	264.6	318.1
-65°	0.0	2.8	8.6	18.9	37.2	65.8	108.3	150.3	189.3	234.2	283.7
-67.5°	0.0	2.5	7.9	16.9	33.2	56.8	93.4	130.4	162.9	202.4	246.7
-70°	0.0	2.3	7.1	14.6	28.9	49.7	77.7	110.0	139.3	169.1	207.3
-72.5°	0.0	2.0	6.3	12.9	24.2	42.1	65.7	89.2	115.2	141.6	168.4
-75°	0.0	1.8	5.5	11.2	19.3	34.0	53.7	71.9	90.7	113.7	137.0
-77.5°	0.0	1.5	4.6	9.5	15.9	25.5	41.1	55.5	70.5	86.7	105.2
-80°	0.0	1.2	3.7	7.6	12.9	19.4	28.1	38.9	50.5	63.1	76.5
-82.5°	0.0	0.9	2.8	5.8	9.7	14.7	20.6	25.0	30.2	39.0	48.6
-85°	0.0	0.6	1.9	3.9	6.5	9.8	13.8	16.7	19.7	22.8	26.0
-87.5°	0.0	0.3	0.9	1.9	3.3	4.9	6.9	8.4	9.8	11.4	13.0
-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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 CATALOG NUMBER: GFLD-SA2E-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°
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°	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8
85°	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	1.2	1.3	1.3	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
70°	1.6	1.6	1.4	1.2	1.0	1.1	1.1	1.1	1.0	1.0	1.0
67.5°	1.9	1.7	1.5	1.4	1.4	1.5	1.5	1.2	1.0	1.0	1.0
65°	2.0	1.7	2.5	2.8	2.1	1.8	1.5	1.3	1.4	1.4	1.4
62.5°	3.0	3.7	4.7	8.4	6.3	1.8	3.3	3.9	2.9	2.4	2.5
60°	9.7	6.6	19.6	28.0	17.5	6.4	7.8	26.0	22.5	4.2	14.1
57.5°	20.4	28.0	51.5	52.5	36.3	25.0	72.9	84.2	63.7	37.2	56.9
55°	44.9	69.0	85.5	79.1	86.4	130.9	155.5	139.8	117.7	181.0	231.2
52.5°	87.7	112.3	117.9	135.4	193.8	222.7	213.4	228.3	296.0	367.6	383.1
50°	129.5	149.6	165.3	239.1	284.8	287.7	309.0	376.1	466.4	510.2	499.6
47.5°	169.9	190.8	263.8	334.7	355.2	383.4	436.5	566.0	661.7	663.5	652.7
45°	212.6	268.3	361.6	407.8	441.1	495.5	623.7	802.4	811.6	837.6	997.3
42.5°	258.3	355.9	437.3	485.3	539.1	640.7	811.7	928.9	969.2	1082.9	1211.3
40°	332.4	440.5	511.5	573.0	642.2	790.3	977.7	1087.5	1120.3	1218.6	1315.2
37.5°	407.4	511.1	590.7	664.9	760.8	960.8	1177.5	1268.0	1284.6	1302.6	1516.5
35°	479.8	583.5	678.9	775.9	893.5	1181.4	1370.8	1455.9	1453.3	1574.7	1798.7
32.5°	547.4	657.6	770.1	899.9	1093.9	1388.8	1578.3	1629.3	1706.6	1883.4	2189.1
30°	614.9	740.2	869.4	1024.0	1269.8	1525.4	1741.7	1823.8	1956.3	2158.0	2380.5
27.5°	684.4	824.9	981.2	1162.2	1408.6	1643.6	1828.4	2024.4	2153.1	2333.9	2492.2
25°	753.7	914.6	1091.5	1283.1	1507.8	1726.8	1917.9	2144.3	2282.6	2428.3	2576.0
22.5°	826.3	1005.5	1205.3	1378.9	1591.5	1797.6	2025.1	2270.7	2450.4	2543.1	2642.2
20°	902.3	1103.8	1316.9	1509.3	1674.1	1863.3	2132.7	2431.1	2663.1	2767.3	2780.9
17.5°	977.1	1199.1	1428.2	1636.5	1814.2	1982.7	2245.7	2623.2	2911.8	3008.7	3051.8
15°	1050.1	1290.8	1539.0	1760.3	1955.4	2161.4	2442.3	2826.2	3156.1	3263.3	3331.1
12.5°	1120.5	1378.2	1647.9	1880.0	2096.7	2327.7	2620.7	2972.2	3273.3	3480.7	3605.1
10°	1187.6	1460.7	1753.6	1994.9	2236.3	2482.0	2768.4	3080.9	3326.1	3526.1	3702.7
7.5°	1221.4	1514.7	1844.4	2104.2	2372.5	2624.6	2889.3	3157.6	3364.1	3560.3	3731.0
5°	1244.4	1536.8	1872.8	2142.3	2444.8	2719.7	2976.8	3208.0	3388.9	3583.3	3750.1
2.5°	1260.9	1551.2	1892.0	2163.2	2472.0	2748.9	3002.0	3224.8	3409.4	3599.8	3770.6
0°	1270.8	1558.0	1901.8	2176.0	2489.0	2768.2	3016.6	3231.2	3423.0	3607.8	3791.6
-2.5°	1276.4	1578.8	1908.3	2209.0	2505.4	2784.8	3037.1	3246.6	3447.0	3622.8	3807.1
-5°	1275.7	1591.3	1906.6	2231.1	2513.3	2791.3	3047.3	3253.5	3460.0	3634.1	3813.4
-7.5°	1268.8	1594.1	1897.9	2238.1	2513.6	2789.1	3042.8	3256.9	3459.8	3644.4	3814.0
-10°	1256.5	1582.9	1890.0	2220.1	2504.0	2777.8	3029.1	3249.5	3451.7	3642.3	3810.7
-12.5°	1241.9	1559.6	1873.4	2194.3	2484.4	2756.6	3008.2	3230.9	3436.6	3626.7	3803.1
-15°	1220.0	1528.7	1846.2	2161.4	2454.6	2725.9	2981.1	3200.5	3413.3	3599.5	3780.5
-17.5°	1190.7	1490.5	1807.9	2122.5	2414.4	2685.8	2946.4	3160.4	3372.1	3564.5	3739.3
-20°	1153.7	1445.1	1758.2	2078.2	2363.4	2631.9	2884.4	3108.6	3318.9	3514.6	3698.2



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 CATALOG NUMBER: GFLD-SA2E-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°	1108.9	1393.0	1698.3	2018.4	2299.8	2565.2	2814.7	3042.5	3260.4	3449.7	3645.3
-25°	1064.1	1337.8	1632.1	1935.7	2225.8	2490.2	2740.4	2962.3	3185.0	3381.9	3567.8
-27.5°	1021.2	1273.9	1555.2	1844.5	2142.1	2405.2	2653.1	2875.2	3091.4	3306.7	3485.6
-30°	973.0	1199.9	1470.9	1747.3	2037.3	2305.2	2555.0	2785.4	2991.2	3203.8	3395.9
-32.5°	919.9	1121.4	1381.9	1647.8	1921.3	2195.1	2442.6	2671.4	2885.5	3086.6	3288.3
-35°	867.9	1058.0	1287.6	1541.0	1798.3	2066.9	2314.6	2541.3	2763.4	2962.6	3155.4
-37.5°	821.1	989.4	1187.4	1429.4	1675.3	1929.4	2181.3	2400.7	2612.1	2831.1	3019.1
-40°	770.5	915.7	1100.6	1314.5	1546.3	1787.9	2029.1	2256.1	2454.8	2671.2	2877.9
-42.5°	717.5	855.6	1014.9	1192.9	1411.6	1639.4	1872.2	2094.3	2300.7	2504.8	2709.7
-45°	671.1	792.1	927.7	1090.3	1268.5	1482.7	1703.1	1924.5	2122.5	2317.1	2519.4
-47.5°	621.8	728.2	853.6	983.5	1138.4	1317.5	1524.8	1728.9	1931.7	2116.8	2295.8
-50°	572.6	670.7	773.8	890.7	1018.5	1163.7	1335.9	1525.6	1710.8	1900.9	2078.2
-52.5°	530.3	610.3	703.4	801.0	910.4	1030.5	1168.5	1324.3	1492.7	1654.0	1830.9
-55°	486.3	558.5	633.6	719.5	810.5	911.9	1025.0	1156.0	1284.5	1433.7	1578.1
-57.5°	446.2	507.0	571.2	642.1	721.2	802.3	901.1	1003.0	1119.6	1235.6	1350.0
-60°	408.4	458.1	512.5	572.6	636.1	708.4	782.1	869.6	963.6	1056.1	1153.1
-62.5°	370.3	412.1	456.4	506.3	561.7	616.4	679.3	746.8	815.9	894.3	970.8
-65°	331.2	365.0	402.5	443.9	488.1	534.6	583.0	633.0	691.7	749.2	804.8
-67.5°	289.6	318.5	348.9	381.4	418.5	455.0	491.4	533.6	576.9	619.5	663.6
-70°	243.4	270.7	296.0	322.4	350.0	378.6	409.7	440.7	471.2	503.1	538.5
-72.5°	196.5	221.6	243.9	263.4	286.1	309.8	332.6	354.3	377.3	401.5	425.5
-75°	156.8	173.3	193.2	211.4	229.4	246.2	261.2	279.6	298.8	316.4	330.9
-77.5°	122.4	137.4	151.0	163.2	177.6	194.3	208.9	221.5	233.7	247.0	261.1
-80°	89.0	101.5	113.9	125.2	133.4	142.9	154.1	166.9	178.0	187.1	195.3
-82.5°	57.5	66.5	75.7	85.1	88.9	91.5	94.0	98.4	105.3	112.1	118.6
-85°	28.6	31.3	36.9	42.7	44.7	46.1	47.0	47.6	49.9	52.0	53.9
-87.5°	14.3	15.6	16.9	18.2	17.6	16.6	15.5	14.1	13.8	13.3	12.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-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°	0.8	0.8	0.9	0.9	0.9	0.7	0.5	0.2	0.0	0.0	0.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.7	0.5
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
67.5°	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.6
65°	1.4	1.4	1.4	1.4	1.2	1.2	1.2	1.2	1.1	0.9	0.6
62.5°	2.5	2.8	2.2	2.2	2.2	2.1	2.0	1.9	1.8	1.7	1.8
60°	15.6	9.2	5.4	6.3	5.7	3.8	4.8	5.6	5.7	5.2	4.6
57.5°	86.4	64.5	47.7	114.0	114.4	54.6	65.8	103.4	85.1	27.9	26.0
55°	240.3	287.4	378.2	359.3	365.1	419.9	458.5	405.9	397.9	424.0	489.8
52.5°	431.7	476.6	507.1	535.7	570.5	607.9	646.4	670.9	693.8	718.3	732.8
50°	551.2	614.5	658.0	642.0	732.0	768.8	731.4	764.8	805.6	816.8	822.1
47.5°	813.9	906.7	925.1	984.9	1038.6	1037.4	991.8	994.5	1115.9	1223.0	1275.6
45°	1169.7	1172.8	1231.2	1336.7	1412.2	1388.4	1452.1	1596.9	1645.1	1691.7	1729.9
42.5°	1308.3	1365.7	1458.8	1552.2	1608.4	1657.2	1704.4	1757.6	1820.2	1870.9	1911.5
40°	1442.5	1488.8	1584.1	1659.3	1705.9	1751.5	1806.4	1865.4	1922.6	1967.2	1997.6
37.5°	1649.1	1684.9	1708.2	1778.0	1866.1	1825.4	1929.7	2004.4	2038.6	2083.9	2087.9
35°	1961.6	1937.7	1906.8	2184.6	2201.2	2107.4	2204.9	2320.8	2259.8	2386.9	2455.3
32.5°	2238.7	2235.1	2477.6	2623.6	2539.6	2608.2	2832.9	2822.9	2972.7	3042.2	3022.4
30°	2499.7	2588.8	2729.0	2837.7	2852.3	2960.5	3060.2	3147.7	3238.1	3319.2	3324.8
27.5°	2632.2	2748.4	2843.6	2906.6	2976.8	3067.8	3158.4	3256.8	3333.7	3384.5	3397.0
25°	2712.3	2831.1	2903.1	2970.9	3048.5	3127.0	3228.4	3335.6	3397.4	3428.7	3438.7
22.5°	2783.0	2889.7	2967.2	3022.2	3105.6	3190.1	3284.6	3375.4	3442.5	3456.2	3461.2
20°	2851.1	2953.6	3083.0	3163.9	3159.9	3255.0	3346.1	3418.3	3474.3	3474.0	3475.3
17.5°	3047.9	3084.4	3319.3	3497.5	3409.3	3362.8	3613.3	3618.0	3632.9	3603.3	3539.2
15°	3339.2	3405.8	3694.3	3887.6	3826.8	3823.6	4185.4	4095.7	4173.0	4152.7	4239.6
12.5°	3647.8	3726.7	3942.3	4132.1	4222.6	4244.8	4365.7	4478.9	4502.2	4493.0	4475.9
10°	3858.1	3970.5	4057.1	4172.3	4263.5	4356.5	4426.6	4507.9	4534.5	4519.1	4497.3
7.5°	3885.5	3996.5	4098.2	4199.3	4286.2	4361.1	4433.8	4500.0	4527.1	4518.1	4503.2
5°	3902.9	4003.5	4102.0	4204.6	4287.7	4357.1	4429.5	4496.6	4512.6	4501.8	4487.3
2.5°	3913.6	4006.7	4101.7	4203.8	4279.3	4345.5	4418.7	4490.3	4490.1	4485.4	4476.9
0°	3918.8	4012.2	4122.5	4214.9	4299.4	4362.0	4434.5	4504.0	4499.1	4486.2	4471.2
-2.5°	3930.0	4024.6	4137.2	4213.7	4309.0	4366.3	4441.3	4501.5	4499.2	4492.8	4485.5
-5°	3939.9	4046.4	4151.7	4232.2	4327.7	4402.6	4477.1	4524.2	4526.8	4517.9	4505.4
-7.5°	3946.0	4064.0	4164.5	4245.3	4337.9	4425.1	4500.6	4550.1	4551.2	4539.4	4524.5
-10°	3944.0	4068.5	4171.9	4255.6	4350.3	4436.4	4515.4	4578.1	4576.1	4564.9	4552.2
-12.5°	3936.5	4060.9	4167.1	4251.0	4358.6	4447.3	4536.1	4598.5	4601.8	4593.4	4579.7
-15°	3920.2	4048.6	4151.9	4243.5	4349.0	4452.6	4543.9	4612.7	4625.0	4618.1	4607.2
-17.5°	3887.8	4023.4	4132.9	4231.6	4332.8	4443.2	4547.1	4622.3	4639.1	4636.3	4627.3
-20°	3845.3	3985.2	4096.4	4199.8	4309.9	4423.7	4544.6	4613.3	4637.7	4639.2	4633.1

Classified

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

Scaled Data Report



REPORT NUMBER: P645397 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA2E-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°	3797.6	3934.5	4052.5	4154.1	4273.6	4388.7	4498.2	4578.7	4619.6	4627.2	4627.7
-25°	3740.3	3881.0	3998.3	4106.5	4217.6	4336.5	4447.2	4537.0	4578.5	4598.3	4604.4
-27.5°	3659.4	3804.9	3920.3	4034.7	4147.7	4270.6	4386.8	4484.5	4518.2	4545.5	4556.4
-30°	3564.8	3708.6	3826.2	3930.8	4060.1	4185.4	4305.3	4390.6	4441.4	4472.6	4489.6
-32.5°	3455.8	3601.0	3724.5	3833.7	3956.6	4081.9	4194.7	4284.6	4354.7	4390.7	4408.9
-35°	3337.7	3485.9	3615.2	3730.3	3846.0	3965.4	4082.3	4176.4	4256.3	4287.1	4309.9
-37.5°	3195.3	3358.8	3491.3	3609.9	3719.9	3832.2	3954.0	4061.5	4139.0	4169.0	4193.0
-40°	3049.2	3207.2	3340.8	3467.4	3576.1	3698.7	3816.0	3928.8	3996.0	4031.0	4058.2
-42.5°	2895.0	3037.8	3164.8	3287.7	3408.8	3535.0	3652.3	3769.4	3827.6	3869.7	3903.1
-45°	2717.0	2849.8	2973.3	3088.3	3213.1	3337.2	3454.5	3558.0	3627.3	3682.1	3724.7
-47.5°	2479.6	2641.5	2765.5	2874.9	2998.6	3118.3	3232.0	3329.3	3405.2	3469.4	3518.9
-50°	2238.6	2393.9	2533.8	2656.7	2771.5	2882.1	2990.4	3085.6	3166.0	3235.4	3285.6
-52.5°	2001.2	2146.8	2285.5	2412.4	2522.8	2627.2	2726.2	2822.0	2906.8	2981.1	3029.6
-55°	1733.0	1883.7	2021.0	2139.4	2249.6	2352.9	2450.6	2541.5	2624.9	2700.6	2747.1
-57.5°	1481.4	1613.6	1741.3	1850.6	1954.7	2053.0	2145.7	2232.7	2313.0	2384.2	2429.0
-60°	1250.1	1346.5	1456.4	1557.3	1649.6	1733.3	1819.7	1900.8	1974.6	2037.2	2079.0
-62.5°	1045.6	1125.5	1204.9	1281.6	1356.4	1431.6	1504.0	1571.3	1632.9	1684.2	1720.8
-65°	863.5	927.7	985.1	1039.5	1091.3	1150.6	1205.7	1257.4	1305.4	1344.7	1372.6
-67.5°	711.0	756.2	795.8	833.2	874.0	915.9	955.2	989.4	1018.7	1042.0	1060.4
-70°	573.4	606.6	636.5	666.3	696.1	723.4	749.3	774.5	798.4	817.9	832.5
-72.5°	449.1	471.8	492.1	515.0	536.5	557.2	575.1	589.7	601.0	611.9	621.5
-75°	342.4	359.4	382.4	401.8	417.8	432.0	445.0	456.6	466.8	475.8	483.8
-77.5°	275.4	289.8	304.5	318.6	332.3	342.5	351.9	361.4	370.7	378.7	385.7
-80°	204.1	214.9	226.1	237.5	248.8	254.5	259.0	263.1	266.8	271.6	276.1
-82.5°	124.8	130.9	137.2	143.5	149.9	151.5	152.0	151.9	151.1	149.4	146.7
-85°	55.5	55.9	55.7	55.1	54.0	51.8	49.1	46.0	42.5	41.9	41.3
-87.5°	12.2	11.9	11.6	11.2	10.8	10.8	10.7	10.6	10.5	10.9	11.2
-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: P645397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-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	0.2
85°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.9	0.9
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	0.5	0.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	0.5	0.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0
67.5°	0.4	0.1	0.0	0.0	0.0	0.1	0.4	0.6	0.9	1.0	1.0
65°	0.3	0.1	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.1	1.2
62.5°	1.8	1.9	2.0	2.0	2.0	1.9	1.8	1.8	1.7	1.8	1.9
60°	3.6	2.4	2.0	2.0	2.0	2.4	3.6	4.6	5.2	5.7	5.6
57.5°	21.9	16.4	13.9	12.9	13.9	16.4	21.9	26.0	27.9	85.1	103.4
55°	537.0	564.3	584.7	594.2	584.7	564.3	537.0	489.8	424.0	397.9	405.9
52.5°	745.6	757.5	764.3	764.1	764.3	757.5	745.6	732.8	718.3	693.8	670.9
50°	831.1	836.8	838.9	837.6	838.9	836.8	831.1	822.1	816.8	805.6	764.8
47.5°	1227.5	1121.3	1043.2	1024.4	1043.2	1121.3	1227.5	1275.6	1223.0	1115.9	994.5
45°	1748.2	1788.5	1828.7	1841.2	1828.7	1788.5	1748.2	1729.9	1691.7	1645.1	1596.9
42.5°	1928.6	1941.7	1949.1	1949.5	1949.1	1941.7	1928.6	1911.5	1870.9	1820.2	1757.6
40°	2014.7	2027.0	2034.3	2034.9	2034.3	2027.0	2014.7	1997.6	1967.2	1922.6	1865.4
37.5°	2092.8	2103.4	2110.3	2117.4	2110.3	2103.4	2092.8	2087.9	2083.9	2038.6	2004.4
35°	2446.1	2366.1	2251.0	2268.4	2251.0	2366.1	2446.1	2455.3	2386.9	2259.8	2320.8
32.5°	3053.4	3087.0	3108.0	3143.8	3108.0	3087.0	3053.4	3022.4	3042.2	2972.7	2822.9
30°	3333.6	3344.7	3361.5	3379.3	3361.5	3344.7	3333.6	3324.8	3319.2	3238.1	3147.7
27.5°	3403.5	3415.1	3425.3	3432.9	3425.3	3415.1	3403.5	3397.0	3384.5	3333.7	3256.8
25°	3440.1	3447.3	3458.1	3467.7	3458.1	3447.3	3440.1	3438.7	3428.7	3397.4	3335.6
22.5°	3458.3	3459.1	3467.6	3479.6	3467.6	3459.1	3458.3	3461.2	3456.2	3442.5	3375.4
20°	3470.8	3464.0	3472.8	3480.6	3472.8	3464.0	3470.8	3475.3	3474.0	3474.3	3418.3
17.5°	3629.6	3539.0	3501.8	3502.5	3501.8	3539.0	3629.6	3539.2	3603.3	3632.9	3618.0
15°	4142.1	4176.1	4306.4	4376.9	4306.4	4176.1	4142.1	4239.6	4152.7	4173.0	4095.7
12.5°	4472.8	4460.7	4445.2	4466.3	4445.2	4460.7	4472.8	4475.9	4493.0	4502.2	4478.9
10°	4488.0	4486.7	4459.1	4489.1	4459.1	4486.7	4488.0	4497.3	4519.1	4534.5	4507.9
7.5°	4478.7	4479.5	4467.8	4497.1	4467.8	4479.5	4478.7	4503.2	4518.1	4527.1	4500.0
5°	4484.9	4464.7	4472.3	4489.1	4472.3	4464.7	4484.9	4487.3	4501.8	4512.6	4496.6
2.5°	4467.6	4465.5	4450.5	4462.3	4450.5	4465.5	4467.6	4476.9	4485.4	4490.1	4490.3
0°	4454.4	4443.4	4443.4	4453.4	4443.4	4443.4	4454.4	4471.2	4486.2	4499.1	4504.0
-2.5°	4477.9	4475.6	4474.1	4467.3	4474.1	4475.6	4477.9	4485.5	4492.8	4499.2	4501.5
-5°	4497.2	4491.3	4475.0	4497.1	4475.0	4491.3	4497.2	4505.4	4517.9	4526.8	4524.2
-7.5°	4518.0	4502.9	4487.4	4521.9	4487.4	4502.9	4518.0	4524.5	4539.4	4551.2	4550.1
-10°	4536.9	4515.1	4500.1	4533.8	4500.1	4515.1	4536.9	4552.2	4564.9	4576.1	4578.1
-12.5°	4562.0	4536.5	4526.4	4544.8	4526.4	4536.5	4562.0	4579.7	4593.4	4601.8	4598.5
-15°	4588.8	4571.1	4568.8	4579.6	4568.8	4571.1	4588.8	4607.2	4618.1	4625.0	4612.7
-17.5°	4612.3	4599.9	4606.0	4618.3	4606.0	4599.9	4612.3	4627.3	4636.3	4639.1	4622.3
-20°	4623.5	4616.5	4623.5	4654.1	4623.5	4616.5	4623.5	4633.1	4639.2	4637.7	4613.3



REPORT NUMBER: P645397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-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°	4622.5	4623.0	4635.1	4645.1	4635.1	4623.0	4622.5	4627.7	4627.2	4619.6	4578.7
-25°	4604.9	4614.2	4628.1	4648.1	4628.1	4614.2	4604.9	4604.4	4598.3	4578.5	4537.0
-27.5°	4562.3	4577.8	4592.4	4613.3	4592.4	4577.8	4562.3	4556.4	4545.5	4518.2	4484.5
-30°	4500.8	4519.2	4532.2	4554.7	4532.2	4519.2	4500.8	4489.6	4472.6	4441.4	4390.6
-32.5°	4426.0	4446.8	4462.2	4478.2	4462.2	4446.8	4426.0	4408.9	4390.7	4354.7	4284.6
-35°	4332.5	4354.8	4371.2	4385.8	4371.2	4354.8	4332.5	4309.9	4287.1	4256.3	4176.4
-37.5°	4220.0	4244.1	4262.8	4279.5	4262.8	4244.1	4220.0	4193.0	4169.0	4139.0	4061.5
-40°	4089.0	4113.8	4133.6	4152.3	4133.6	4113.8	4089.0	4058.2	4031.0	3996.0	3928.8
-42.5°	3935.9	3960.9	3981.4	4000.3	3981.4	3960.9	3935.9	3903.1	3869.7	3827.6	3769.4
-45°	3759.1	3784.8	3806.5	3826.4	3806.5	3784.8	3759.1	3724.7	3682.1	3627.3	3558.0
-47.5°	3555.4	3582.9	3601.5	3610.8	3601.5	3582.9	3555.4	3518.9	3469.4	3405.2	3329.3
-50°	3321.9	3349.4	3371.7	3388.2	3371.7	3349.4	3321.9	3285.6	3235.4	3166.0	3085.6
-52.5°	3065.0	3091.2	3110.3	3121.9	3110.3	3091.2	3065.0	3029.6	2981.1	2906.8	2822.0
-55°	2783.7	2811.1	2829.3	2837.8	2829.3	2811.1	2783.7	2747.1	2700.6	2624.9	2541.5
-57.5°	2464.6	2490.6	2509.9	2520.8	2509.9	2490.6	2464.6	2429.0	2384.2	2313.0	2232.7
-60°	2111.5	2134.8	2149.4	2155.1	2149.4	2134.8	2111.5	2079.0	2037.2	1974.6	1900.8
-62.5°	1750.3	1772.4	1786.1	1791.5	1786.1	1772.4	1750.3	1720.8	1684.2	1632.9	1571.3
-65°	1393.4	1407.2	1414.8	1415.9	1414.8	1407.2	1393.4	1372.6	1344.7	1305.4	1257.4
-67.5°	1075.0	1085.5	1091.9	1094.0	1091.9	1085.5	1075.0	1060.4	1042.0	1018.7	989.4
-70°	843.4	850.7	854.8	855.5	854.8	850.7	843.4	832.5	817.9	798.4	774.5
-72.5°	628.8	634.0	632.2	628.0	632.2	634.0	628.8	621.5	611.9	601.0	589.7
-75°	490.6	496.3	493.9	489.9	493.9	496.3	490.6	483.8	475.8	466.8	456.6
-77.5°	391.9	397.1	394.5	390.5	394.5	397.1	391.9	385.7	378.7	370.7	361.4
-80°	279.9	283.0	285.1	286.2	285.1	283.0	279.9	276.1	271.6	266.8	263.1
-82.5°	143.3	139.0	136.4	133.1	136.4	139.0	143.3	146.7	149.4	151.1	151.9
-85°	40.5	39.5	40.1	40.7	40.1	39.5	40.5	41.3	41.9	42.5	46.0
-87.5°	11.5	11.9	11.9	11.9	11.9	11.9	11.5	11.2	10.9	10.5	10.6
-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: P645397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-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°	0.5	0.7	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7
85°	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1
67.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.2
65°	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3
62.5°	2.0	2.1	2.2	2.2	2.2	2.8	2.5	2.5	2.4	2.9	3.9
60°	4.8	3.8	5.7	6.3	5.4	9.2	15.6	14.1	4.2	22.5	26.0
57.5°	65.8	54.6	114.4	114.0	47.7	64.5	86.4	56.9	37.2	63.7	84.2
55°	458.5	419.9	365.1	359.3	378.2	287.4	240.3	231.2	181.0	117.7	139.8
52.5°	646.4	607.9	570.5	535.7	507.1	476.6	431.7	383.1	367.6	296.0	228.3
50°	731.4	768.8	732.0	642.0	658.0	614.5	551.2	499.6	510.2	466.4	376.1
47.5°	991.8	1037.4	1038.6	984.9	925.1	906.7	813.9	652.7	663.5	661.7	566.0
45°	1452.1	1388.4	1412.2	1336.7	1231.2	1172.8	1169.7	997.3	837.6	811.6	802.4
42.5°	1704.4	1657.2	1608.4	1552.2	1458.8	1365.7	1308.3	1211.3	1082.9	969.2	928.9
40°	1806.4	1751.5	1705.9	1659.3	1584.1	1488.8	1442.5	1315.2	1218.6	1120.3	1087.5
37.5°	1929.7	1825.4	1866.1	1778.0	1708.2	1684.9	1649.1	1516.5	1302.6	1284.6	1268.0
35°	2204.9	2107.4	2201.2	2184.6	1906.8	1937.7	1961.6	1798.7	1574.7	1453.3	1455.9
32.5°	2832.9	2608.2	2539.6	2623.6	2477.6	2235.1	2238.7	2189.1	1883.4	1706.6	1629.3
30°	3060.2	2960.5	2852.3	2837.7	2729.0	2588.8	2499.7	2380.5	2158.0	1956.3	1823.8
27.5°	3158.4	3067.8	2976.8	2906.6	2843.6	2748.4	2632.2	2492.2	2333.9	2153.1	2024.4
25°	3228.4	3127.0	3048.5	2970.9	2903.1	2831.1	2712.3	2576.0	2428.3	2282.6	2144.3
22.5°	3284.6	3190.1	3105.6	3022.2	2967.2	2889.7	2783.0	2642.2	2543.1	2450.4	2270.7
20°	3346.1	3255.0	3159.9	3163.9	3083.0	2953.6	2851.1	2780.9	2767.3	2663.1	2431.1
17.5°	3613.3	3362.8	3409.3	3497.5	3319.3	3084.4	3047.9	3051.8	3008.7	2911.8	2623.2
15°	4185.4	3823.6	3826.8	3887.6	3694.3	3405.8	3339.2	3331.1	3263.3	3156.1	2826.2
12.5°	4365.7	4244.8	4222.6	4132.1	3942.3	3726.7	3647.8	3605.1	3480.7	3273.3	2972.2
10°	4426.6	4356.5	4263.5	4172.3	4057.1	3970.5	3858.1	3702.7	3526.1	3326.1	3080.9
7.5°	4433.8	4361.1	4286.2	4199.3	4098.2	3996.5	3885.5	3731.0	3560.3	3364.1	3157.6
5°	4429.5	4357.1	4287.7	4204.6	4102.0	4003.5	3902.9	3750.1	3583.3	3388.9	3208.0
2.5°	4418.7	4345.5	4279.3	4203.8	4101.7	4006.7	3913.6	3770.6	3599.8	3409.4	3224.8
0°	4434.5	4362.0	4299.4	4214.9	4122.5	4012.2	3918.8	3791.6	3607.8	3423.0	3231.2
-2.5°	4441.3	4366.3	4309.0	4213.7	4137.2	4024.6	3930.0	3807.1	3622.8	3447.0	3246.6
-5°	4477.1	4402.6	4327.7	4232.2	4151.7	4046.4	3939.9	3813.4	3634.1	3460.0	3253.5
-7.5°	4500.6	4425.1	4337.9	4245.3	4164.5	4064.0	3946.0	3814.0	3644.4	3459.8	3256.9
-10°	4515.4	4436.4	4350.3	4255.6	4171.9	4068.5	3944.0	3810.7	3642.3	3451.7	3249.5
-12.5°	4536.1	4447.3	4358.6	4251.0	4167.1	4060.9	3936.5	3803.1	3626.7	3436.6	3230.9
-15°	4543.9	4452.6	4349.0	4243.5	4151.9	4048.6	3920.2	3780.5	3599.5	3413.3	3200.5
-17.5°	4547.1	4443.2	4332.8	4231.6	4132.9	4023.4	3887.8	3739.3	3564.5	3372.1	3160.4
-20°	4544.6	4423.7	4309.9	4199.8	4096.4	3985.2	3845.3	3698.2	3514.6	3318.9	3108.6



REPORT NUMBER: P645397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-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°	4498.2	4388.7	4273.6	4154.1	4052.5	3934.5	3797.6	3645.3	3449.7	3260.4	3042.5
-25°	4447.2	4336.5	4217.6	4106.5	3998.3	3881.0	3740.3	3567.8	3381.9	3185.0	2962.3
-27.5°	4386.8	4270.6	4147.7	4034.7	3920.3	3804.9	3659.4	3485.6	3306.7	3091.4	2875.2
-30°	4305.3	4185.4	4060.1	3930.8	3826.2	3708.6	3564.8	3395.9	3203.8	2991.2	2785.4
-32.5°	4194.7	4081.9	3956.6	3833.7	3724.5	3601.0	3455.8	3288.3	3086.6	2885.5	2671.4
-35°	4082.3	3965.4	3846.0	3730.3	3615.2	3485.9	3337.7	3155.4	2962.6	2763.4	2541.3
-37.5°	3954.0	3832.2	3719.9	3609.9	3491.3	3358.8	3195.3	3019.1	2831.1	2612.1	2400.7
-40°	3816.0	3698.7	3576.1	3467.4	3340.8	3207.2	3049.2	2877.9	2671.2	2454.8	2256.1
-42.5°	3652.3	3535.0	3408.8	3287.7	3164.8	3037.8	2895.0	2709.7	2504.8	2300.7	2094.3
-45°	3454.5	3337.2	3213.1	3088.3	2973.3	2849.8	2717.0	2519.4	2317.1	2122.5	1924.5
-47.5°	3232.0	3118.3	2998.6	2874.9	2765.5	2641.5	2479.6	2295.8	2116.8	1931.7	1728.9
-50°	2990.4	2882.1	2771.5	2656.7	2533.8	2393.9	2238.6	2078.2	1900.9	1710.8	1525.6
-52.5°	2726.2	2627.2	2522.8	2412.4	2285.5	2146.8	2001.2	1830.9	1654.0	1492.7	1324.3
-55°	2450.6	2352.9	2249.6	2139.4	2021.0	1883.7	1733.0	1578.1	1433.7	1284.5	1156.0
-57.5°	2145.7	2053.0	1954.7	1850.6	1741.3	1613.6	1481.4	1350.0	1235.6	1119.6	1003.0
-60°	1819.7	1733.3	1649.6	1557.3	1456.4	1346.5	1250.1	1153.1	1056.1	963.6	869.6
-62.5°	1504.0	1431.6	1356.4	1281.6	1204.9	1125.5	1045.6	970.8	894.3	815.9	746.8
-65°	1205.7	1150.6	1091.3	1039.5	985.1	927.7	863.5	804.8	749.2	691.7	633.0
-67.5°	955.2	915.9	874.0	833.2	795.8	756.2	711.0	663.6	619.5	576.9	533.6
-70°	749.3	723.4	696.1	666.3	636.5	606.6	573.4	538.5	503.1	471.2	440.7
-72.5°	575.1	557.2	536.5	515.0	492.1	471.8	449.1	425.5	401.5	377.3	354.3
-75°	445.0	432.0	417.8	401.8	382.4	359.4	342.4	330.9	316.4	298.8	279.6
-77.5°	351.9	342.5	332.3	318.6	304.5	289.8	275.4	261.1	247.0	233.7	221.5
-80°	259.0	254.5	248.8	237.5	226.1	214.9	204.1	195.3	187.1	178.0	166.9
-82.5°	152.0	151.5	149.9	143.5	137.2	130.9	124.8	118.6	112.1	105.3	98.4
-85°	49.1	51.8	54.0	55.1	55.7	55.9	55.5	53.9	52.0	49.9	47.6
-87.5°	10.7	10.8	10.8	11.2	11.6	11.9	12.2	12.8	13.3	13.8	14.1
-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: P645397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-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°	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.5	0.5	0.5
85°	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	1.0	1.0	1.1
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.5	1.6
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.5	1.8
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.3	1.5	1.8
75°	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.1	1.3	1.6	1.8
72.5°	1.0	1.0	1.0	1.1	1.3	1.3	1.2	1.1	1.3	1.6	1.8
70°	1.1	1.1	1.0	1.2	1.4	1.6	1.6	1.6	1.4	1.6	1.8
67.5°	1.5	1.5	1.4	1.4	1.5	1.7	1.9	2.3	2.2	1.7	1.9
65°	1.5	1.8	2.1	2.8	2.5	1.7	2.0	3.9	3.1	2.7	1.9
62.5°	3.3	1.8	6.3	8.4	4.7	3.7	3.0	8.7	5.5	3.7	2.7
60°	7.8	6.4	17.5	28.0	19.6	6.6	9.7	15.0	13.8	4.8	3.8
57.5°	72.9	25.0	36.3	52.5	51.5	28.0	20.4	27.2	23.5	13.5	5.3
55°	155.5	130.9	86.4	79.1	85.5	69.0	44.9	44.1	36.2	25.1	8.6
52.5°	213.4	222.7	193.8	135.4	117.9	112.3	87.7	63.9	56.8	37.6	21.8
50°	309.0	287.7	284.8	239.1	165.3	149.6	129.5	99.9	79.7	53.8	36.8
47.5°	436.5	383.4	355.2	334.7	263.8	190.8	169.9	136.6	104.9	77.5	52.5
45°	623.7	495.5	441.1	407.8	361.6	268.3	212.6	172.2	136.7	104.1	69.0
42.5°	811.7	640.7	539.1	485.3	437.3	355.9	258.3	213.3	167.7	131.1	89.9
40°	977.7	790.3	642.2	573.0	511.5	440.5	332.4	257.4	198.1	158.9	113.6
37.5°	1177.5	960.8	760.8	664.9	590.7	511.1	407.4	303.3	234.6	188.1	137.4
35°	1370.8	1181.4	893.5	775.9	678.9	583.5	479.8	357.6	279.5	217.7	161.2
32.5°	1578.3	1388.8	1093.9	899.9	770.1	657.6	547.4	423.7	324.6	247.7	184.9
30°	1741.7	1525.4	1269.8	1024.0	869.4	740.2	614.9	487.1	369.9	278.0	208.9
27.5°	1828.4	1643.6	1408.6	1162.2	981.2	824.9	684.4	547.7	415.0	311.2	233.8
25°	1917.9	1726.8	1507.8	1283.1	1091.5	914.6	753.7	605.4	464.4	348.8	258.4
22.5°	2025.1	1797.6	1591.5	1378.9	1205.3	1005.5	826.3	663.9	513.7	385.6	282.7
20°	2132.7	1863.3	1674.1	1509.3	1316.9	1103.8	902.3	720.9	560.2	421.4	306.4
17.5°	2245.7	1982.7	1814.2	1636.5	1428.2	1199.1	977.1	776.2	603.8	456.1	329.5
15°	2442.3	2161.4	1955.4	1760.3	1539.0	1290.8	1050.1	829.3	644.5	489.4	351.0
12.5°	2620.7	2327.7	2096.7	1880.0	1647.9	1378.2	1120.5	879.8	682.2	516.0	370.1
10°	2768.4	2482.0	2236.3	1994.9	1753.6	1460.7	1187.6	921.0	704.9	535.9	387.7
7.5°	2889.3	2624.6	2372.5	2104.2	1844.4	1514.7	1221.4	945.0	722.4	552.7	403.7
5°	2976.8	2719.7	2444.8	2142.3	1872.8	1536.8	1244.4	964.5	736.5	566.8	418.2
2.5°	3002.0	2748.9	2472.0	2163.2	1892.0	1551.2	1260.9	979.4	747.4	578.2	431.0
0°	3016.6	2768.2	2489.0	2176.0	1901.8	1558.0	1270.8	989.6	755.1	587.2	442.2
-2.5°	3037.1	2784.8	2505.4	2209.0	1908.3	1578.8	1276.4	996.3	764.8	590.4	448.7
-5°	3047.3	2791.3	2513.3	2231.1	1906.6	1591.3	1275.7	998.4	771.2	591.5	453.5
-7.5°	3042.8	2789.1	2513.6	2238.1	1897.9	1594.1	1268.8	996.2	773.8	590.7	456.5
-10°	3029.1	2777.8	2504.0	2220.1	1890.0	1582.9	1256.5	989.9	772.3	588.2	457.6
-12.5°	3008.2	2756.6	2484.4	2194.3	1873.4	1559.6	1241.9	979.0	766.1	584.2	456.8
-15°	2981.1	2725.9	2454.6	2161.4	1846.2	1528.7	1220.0	963.3	753.9	579.5	454.1
-17.5°	2946.4	2685.8	2414.4	2122.5	1807.9	1490.5	1190.7	942.8	738.7	573.9	448.7
-20°	2884.4	2631.9	2363.4	2078.2	1758.2	1445.1	1153.7	917.5	720.6	565.9	440.8



REPORT NUMBER: P645397 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-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°	2814.7	2565.2	2299.8	2018.4	1698.3	1393.0	1108.9	887.4	699.8	555.4	431.4
-25°	2740.4	2490.2	2225.8	1935.7	1632.1	1337.8	1064.1	852.7	676.3	542.5	420.5
-27.5°	2653.1	2405.2	2142.1	1844.5	1555.2	1273.9	1021.2	821.8	653.6	527.1	408.1
-30°	2555.0	2305.2	2037.3	1747.3	1470.9	1199.9	973.0	788.9	634.3	510.3	394.3
-32.5°	2442.6	2195.1	1921.3	1647.8	1381.9	1121.4	919.9	753.7	612.1	492.5	381.6
-35°	2314.6	2066.9	1798.3	1541.0	1287.6	1058.0	867.9	716.4	586.9	473.2	368.1
-37.5°	2181.3	1929.4	1675.3	1429.4	1187.4	989.4	821.1	679.5	558.8	452.5	353.3
-40°	2029.1	1787.9	1546.3	1314.5	1100.6	915.7	770.5	643.1	532.2	430.5	337.0
-42.5°	1872.2	1639.4	1411.6	1192.9	1014.9	855.6	717.5	603.9	504.1	409.3	319.4
-45°	1703.1	1482.7	1268.5	1090.3	927.7	792.1	671.1	563.2	474.2	387.5	301.1
-47.5°	1524.8	1317.5	1138.4	983.5	853.6	728.2	621.8	528.1	442.8	364.2	282.9
-50°	1335.9	1163.7	1018.5	890.7	773.8	670.7	572.6	491.3	413.9	338.5	263.8
-52.5°	1168.5	1030.5	910.4	801.0	703.4	610.3	530.3	453.5	384.2	313.9	243.8
-55°	1025.0	911.9	810.5	719.5	633.6	558.5	486.3	420.0	353.8	289.2	223.5
-57.5°	901.1	802.3	721.2	642.1	571.2	507.0	446.2	385.8	324.5	263.6	207.4
-60°	782.1	708.4	636.1	572.6	512.5	458.1	408.4	351.6	295.0	238.0	189.7
-62.5°	679.3	616.4	561.7	506.3	456.4	412.1	370.3	318.1	264.6	214.4	170.3
-65°	583.0	534.6	488.1	443.9	402.5	365.0	331.2	283.7	234.2	189.3	150.3
-67.5°	491.4	455.0	418.5	381.4	348.9	318.5	289.6	246.7	202.4	162.9	130.4
-70°	409.7	378.6	350.0	322.4	296.0	270.7	243.4	207.3	169.1	139.3	110.0
-72.5°	332.6	309.8	286.1	263.4	243.9	221.6	196.5	168.4	141.6	115.2	89.2
-75°	261.2	246.2	229.4	211.4	193.2	173.3	156.8	137.0	113.7	90.7	71.9
-77.5°	208.9	194.3	177.6	163.2	151.0	137.4	122.4	105.2	86.7	70.5	55.5
-80°	154.1	142.9	133.4	125.2	113.9	101.5	89.0	76.5	63.1	50.5	38.9
-82.5°	94.0	91.5	88.9	85.1	75.7	66.5	57.5	48.6	39.0	30.2	25.0
-85°	47.0	46.1	44.7	42.7	36.9	31.3	28.6	26.0	22.8	19.7	16.7
-87.5°	15.5	16.6	17.6	18.2	16.9	15.6	14.3	13.0	11.4	9.8	8.4
-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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Scaled Data Report



REPORT NUMBER: P645397 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA2E-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°	0.5	0.4	0.3	0.3	0.2	0.1	0.0
85°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
82.5°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
80°	2.0	1.7	1.4	1.0	0.7	0.4	0.0
77.5°	2.0	2.0	1.7	1.3	0.9	0.5	0.0
75°	2.0	2.1	2.0	1.5	1.1	0.7	0.0
72.5°	2.1	2.2	2.1	1.8	1.2	0.8	0.0
70°	2.1	2.2	2.2	2.0	1.4	0.9	0.0
67.5°	2.3	2.3	2.3	2.1	1.6	1.0	0.0
65°	2.7	2.6	2.4	2.2	1.8	1.1	0.0
62.5°	3.1	3.3	2.5	2.3	1.9	1.2	0.0
60°	3.7	4.0	2.6	2.4	2.1	1.3	0.0
57.5°	6.8	4.8	3.4	2.5	2.2	1.4	0.0
55°	10.9	5.6	4.2	2.6	2.4	1.5	0.0
52.5°	15.6	7.2	5.1	2.7	2.5	1.6	0.0
50°	21.0	12.3	6.0	2.9	2.6	1.7	0.0
47.5°	28.2	17.8	6.9	3.1	2.7	1.8	0.0
45°	42.5	23.7	7.9	3.9	2.8	1.9	0.0
42.5°	57.2	30.0	8.9	4.6	3.0	2.0	0.0
40°	72.2	36.6	12.0	5.6	3.1	2.1	0.0
37.5°	87.5	43.6	17.2	6.8	3.2	2.1	0.0
35°	103.1	54.1	22.5	8.1	3.3	2.2	0.0
32.5°	119.9	66.4	27.8	9.6	3.5	2.3	0.0
30°	139.2	78.5	33.2	11.1	3.6	2.4	0.0
27.5°	158.1	90.5	39.8	12.8	3.7	2.5	0.0
25°	176.5	102.4	46.6	14.6	3.9	2.5	0.0
22.5°	194.4	114.4	53.4	16.4	4.0	2.6	0.0
20°	211.7	127.4	60.1	18.3	4.1	2.7	0.0
17.5°	228.8	139.9	66.7	20.2	4.2	2.7	0.0
15°	245.2	151.9	73.2	22.2	4.4	2.8	0.0
12.5°	260.6	163.4	79.4	24.1	4.5	2.8	0.0
10°	274.8	174.2	85.3	26.0	4.6	2.9	0.0
7.5°	287.9	184.3	91.0	27.9	4.7	2.9	0.0
5°	299.8	193.7	96.2	29.6	4.8	2.9	0.0
2.5°	310.5	202.2	101.0	31.3	4.9	3.0	0.0
0°	319.9	209.7	105.3	32.8	5.0	3.0	0.0
-2.5°	324.6	214.5	109.3	34.9	5.8	3.2	0.0
-5°	328.0	218.2	112.7	36.9	6.5	3.3	0.0
-7.5°	330.2	221.0	115.5	38.7	7.3	3.5	0.0
-10°	331.2	222.7	117.6	40.2	8.0	3.6	0.0
-12.5°	331.0	223.4	119.0	41.5	8.7	3.8	0.0
-15°	329.7	223.0	119.7	42.5	9.3	3.9	0.0
-17.5°	327.3	221.7	119.6	43.2	9.9	4.0	0.0
-20°	323.6	219.3	118.8	43.7	10.5	4.1	0.0

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CATALOG NUMBER: GFLD-SA2E-735-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	318.2	216.0	117.1	43.8	11.0	4.2	0.0
-25°	311.5	210.8	114.6	43.6	11.4	4.2	0.0
-27.5°	303.6	204.3	111.3	43.1	11.8	4.3	0.0
-30°	294.4	197.0	107.1	42.2	12.1	4.3	0.0
-32.5°	284.0	188.7	102.2	41.0	12.3	4.3	0.0
-35°	272.8	179.6	96.8	39.4	12.5	4.3	0.0
-37.5°	260.7	170.5	90.9	37.4	12.6	4.3	0.0
-40°	247.7	162.2	84.4	35.1	12.6	4.2	0.0
-42.5°	233.8	153.3	79.4	32.6	12.5	4.2	0.0
-45°	219.0	143.9	76.1	30.0	12.3	4.1	0.0
-47.5°	203.4	133.9	72.1	27.1	12.1	4.0	0.0
-50°	190.4	123.4	67.6	26.1	11.8	3.9	0.0
-52.5°	177.3	112.4	62.4	25.6	11.4	3.7	0.0
-55°	163.7	104.1	56.7	24.8	11.0	3.6	0.0
-57.5°	149.6	95.6	50.5	23.7	10.4	3.4	0.0
-60°	135.3	86.4	43.9	22.4	9.8	3.2	0.0
-62.5°	122.3	76.4	40.8	20.8	9.2	3.0	0.0
-65°	108.3	65.8	37.2	18.9	8.6	2.8	0.0
-67.5°	93.4	56.8	33.2	16.9	7.9	2.5	0.0
-70°	77.7	49.7	28.9	14.6	7.1	2.3	0.0
-72.5°	65.7	42.1	24.2	12.9	6.3	2.0	0.0
-75°	53.7	34.0	19.3	11.2	5.5	1.8	0.0
-77.5°	41.1	25.5	15.9	9.5	4.6	1.5	0.0
-80°	28.1	19.4	12.9	7.6	3.7	1.2	0.0
-82.5°	20.6	14.7	9.7	5.8	2.8	0.9	0.0
-85°	13.8	9.8	6.5	3.9	1.9	0.6	0.0
-87.5°	6.9	4.9	3.3	1.9	0.9	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)