

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



Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P645415 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3C-722-U-LAM-VSR-XX**

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P645415 (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: 2/28/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA3C-722-U-LAM-VSR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

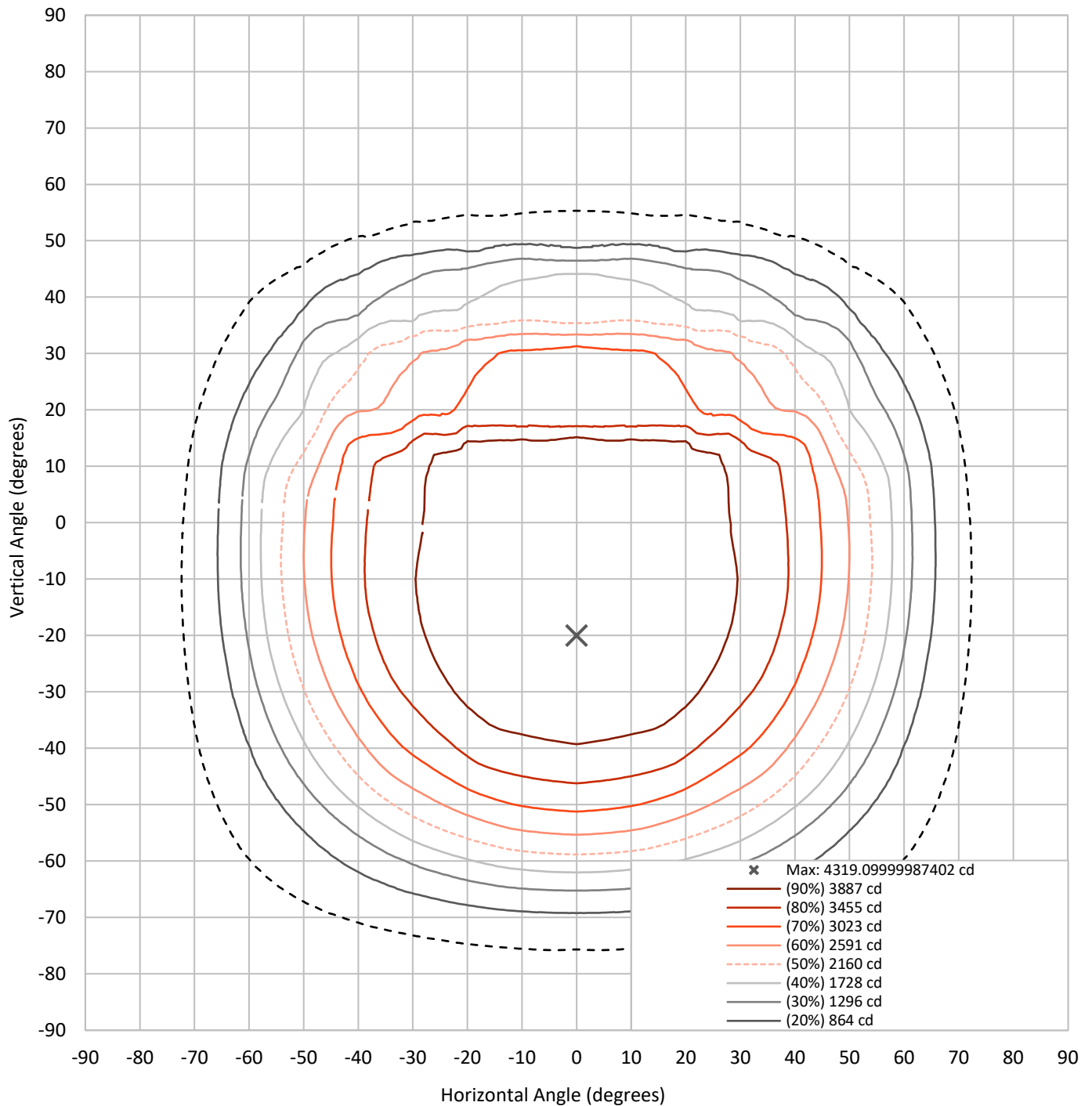
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	10127.3 lumens	Max Intensity:	4319.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	83.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	7916.9 lumens	Field Lumens:	9926.2 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	121.7		
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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CATALOG NUMBER: GFLD-SA3C-722-U-LAM-VSR-XX

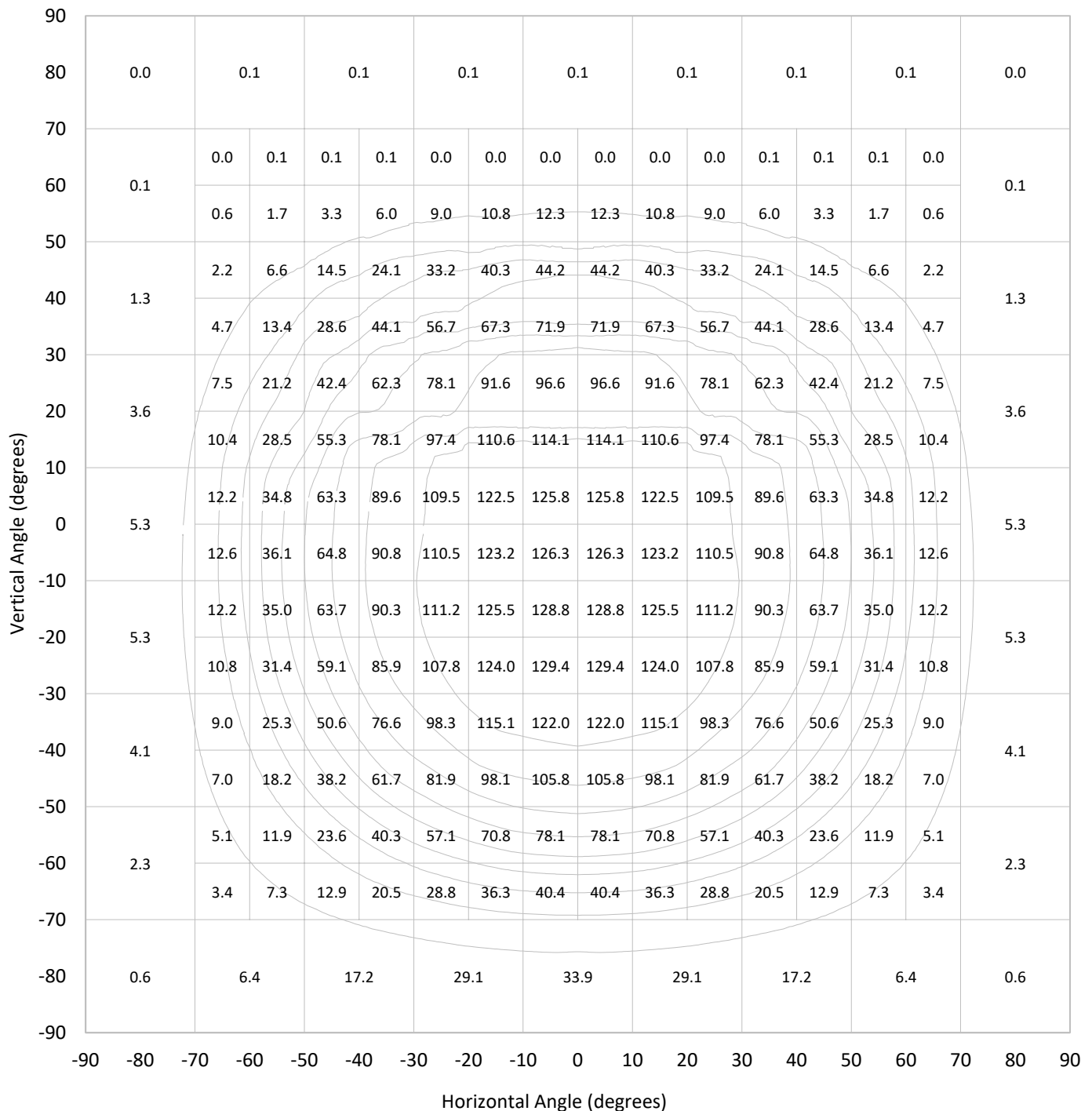
### Iso-Candela Plot





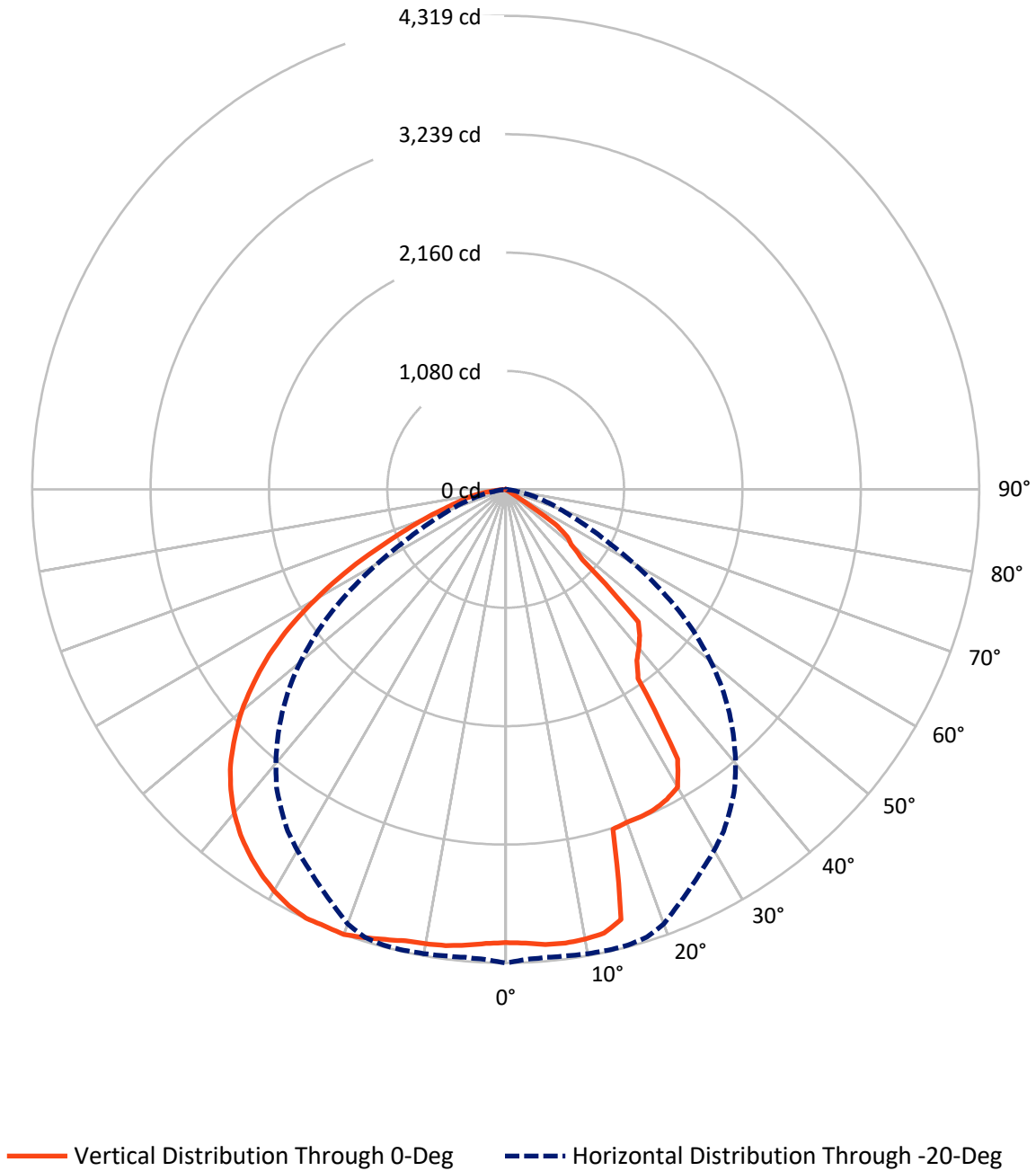
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### Lumen Table



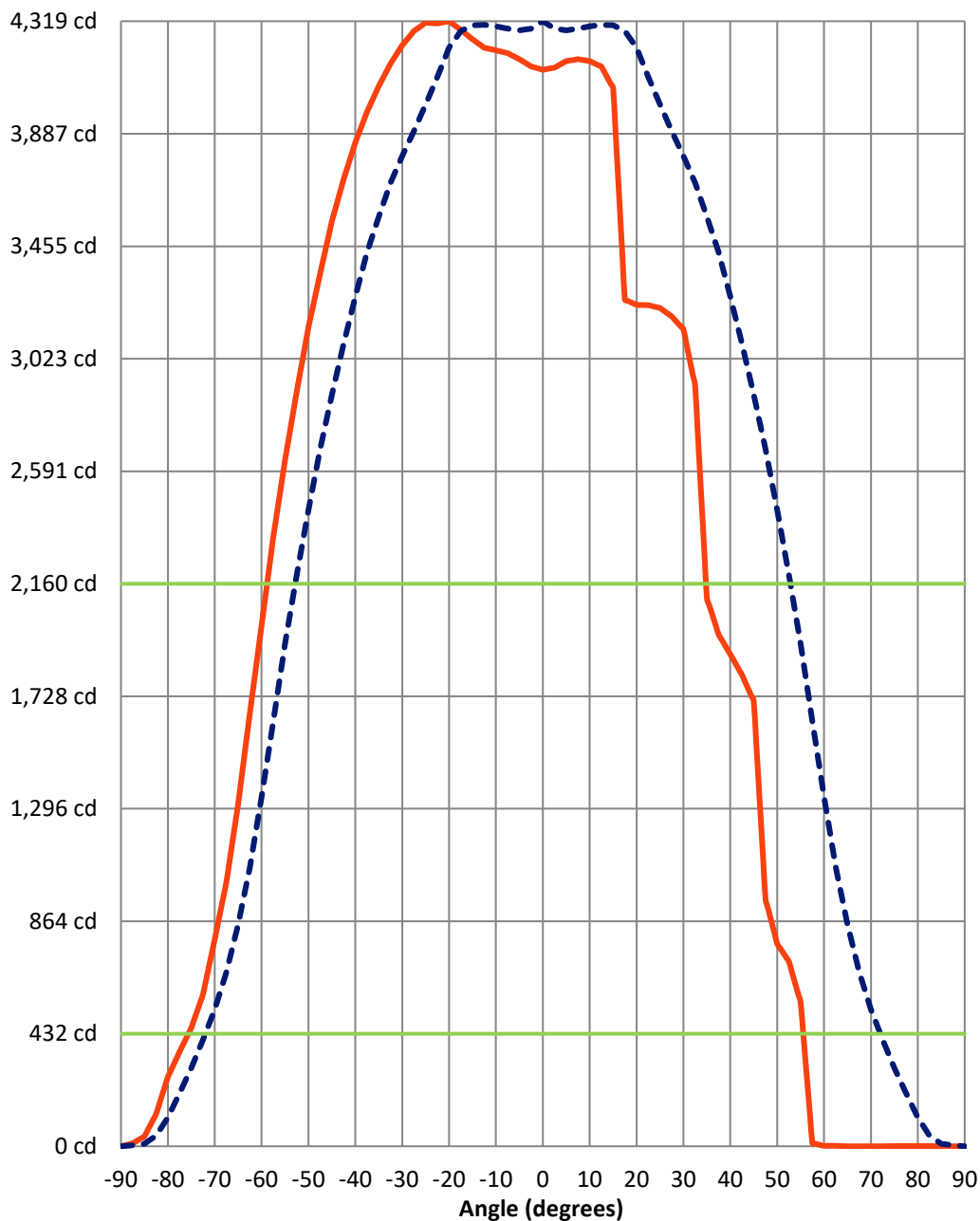
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CATALOG NUMBER: GFLD-SA3C-722-U-LAM-VSR-XX

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 7916.9  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 9926.2  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 201.1  
 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	0.2	0.3	0.4	0.5	0.5	0.5	0.4	0.4
85°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	0.9	0.9	0.9	0.8
82.5°	0.0	0.3	0.5	0.7	0.9	1.2	1.4	1.4	1.4	1.1	0.9
80°	0.0	0.4	0.6	0.9	1.2	1.6	1.8	1.6	1.4	1.2	0.9
77.5°	0.0	0.5	0.8	1.2	1.6	1.8	1.8	1.6	1.4	1.2	0.9
75°	0.0	0.6	0.9	1.4	1.8	1.9	1.8	1.6	1.4	1.2	1.0
72.5°	0.0	0.7	1.1	1.6	1.9	2.0	1.9	1.6	1.4	1.2	1.0
70°	0.0	0.8	1.3	1.8	2.0	2.0	1.9	1.7	1.5	1.3	1.4
67.5°	0.0	0.9	1.4	1.9	2.1	2.1	2.1	1.7	1.5	2.0	2.0
65°	0.0	1.0	1.6	2.0	2.2	2.4	2.4	1.7	2.4	2.8	3.6
62.5°	0.0	1.1	1.8	2.1	2.3	3.0	2.9	2.4	3.4	5.0	8.0
60°	0.0	1.2	1.9	2.2	2.4	3.7	3.4	3.4	4.4	12.8	13.9
57.5°	0.0	1.3	2.0	2.3	3.1	4.4	6.3	4.9	12.5	21.7	25.2
55°	0.0	1.4	2.1	2.4	3.9	5.2	10.0	7.9	23.2	33.5	40.9
52.5°	0.0	1.5	2.3	2.5	4.7	6.7	14.4	20.2	34.9	52.7	59.4
50°	0.0	1.6	2.4	2.7	5.5	11.4	19.4	34.1	49.9	73.9	92.7
47.5°	0.0	1.6	2.5	2.9	6.4	16.5	26.1	48.7	71.9	97.4	126.8
45°	0.0	1.7	2.6	3.6	7.3	22.0	39.4	64.0	96.6	126.9	159.9
42.5°	0.0	1.8	2.7	4.3	8.3	27.8	53.1	83.4	121.7	155.7	198.0
40°	0.0	1.9	2.8	5.2	11.1	33.9	67.0	105.4	147.5	183.9	238.9
37.5°	0.0	2.0	3.0	6.3	15.9	40.4	81.2	127.5	174.6	217.8	281.5
35°	0.0	2.1	3.1	7.5	20.8	50.2	95.6	149.6	202.1	259.4	331.9
32.5°	0.0	2.1	3.2	8.9	25.8	61.5	111.2	171.6	229.9	301.3	393.2
30°	0.0	2.2	3.3	10.3	30.8	72.8	129.1	193.8	258.0	343.2	452.0
27.5°	0.0	2.3	3.4	11.9	36.9	84.0	146.6	217.0	288.9	385.2	508.2
25°	0.0	2.3	3.6	13.5	43.2	94.9	163.8	239.9	323.7	430.9	561.8
22.5°	0.0	2.4	3.7	15.2	49.5	106.1	180.4	262.4	357.8	476.7	616.1
20°	0.0	2.5	3.8	17.0	55.8	118.1	196.4	284.4	391.1	519.9	669.0
17.5°	0.0	2.5	3.9	18.8	61.9	129.7	212.3	305.8	423.3	560.4	720.3
15°	0.0	2.6	4.0	20.6	67.9	140.9	227.6	325.7	454.2	598.1	769.6
12.5°	0.0	2.6	4.1	22.4	73.6	151.6	241.8	343.4	478.9	633.1	816.4
10°	0.0	2.7	4.2	24.1	79.2	161.6	255.1	359.8	497.3	654.1	854.6
7.5°	0.0	2.7	4.3	25.8	84.4	171.0	267.2	374.6	513.0	670.4	876.9
5°	0.0	2.7	4.4	27.5	89.3	179.7	278.3	388.0	526.1	683.5	895.0
2.5°	0.0	2.8	4.5	29.0	93.7	187.6	288.2	399.9	536.7	693.6	908.9
0°	0.0	2.8	4.6	30.4	97.7	194.6	296.9	410.3	545.0	700.8	918.4
-2.5°	0.0	3.0	5.3	32.4	101.4	199.0	301.2	416.4	548.0	709.8	924.6
-5°	0.0	3.1	6.0	34.2	104.6	202.5	304.4	420.8	549.0	715.7	926.6
-7.5°	0.0	3.2	6.7	35.8	107.2	205.1	306.5	423.6	548.2	718.1	924.5
-10°	0.0	3.4	7.4	37.3	109.1	206.6	307.4	424.6	545.9	716.7	918.7
-12.5°	0.0	3.5	8.0	38.5	110.4	207.3	307.2	423.9	542.1	710.9	908.6
-15°	0.0	3.6	8.6	39.4	111.1	207.0	306.0	421.4	537.8	699.6	893.9
-17.5°	0.0	3.7	9.2	40.1	111.0	205.7	303.8	416.3	532.6	685.5	874.9
-20°	0.0	3.8	9.7	40.5	110.2	203.5	300.3	409.1	525.1	668.8	851.4



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CATALOG NUMBER: GFLD-SA3C-722-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.9	10.1	40.6	108.6	200.4	295.3	400.4	515.4	649.4	823.5
-25°	0.0	3.9	10.6	40.4	106.3	195.6	289.1	390.3	503.5	627.6	791.3
-27.5°	0.0	4.0	10.9	40.0	103.2	189.6	281.8	378.8	489.2	606.5	762.7
-30°	0.0	4.0	11.2	39.1	99.4	182.8	273.3	366.0	473.6	588.7	732.1
-32.5°	0.0	4.0	11.4	38.0	94.9	175.1	263.6	354.1	457.0	568.0	699.5
-35°	0.0	4.0	11.5	36.5	89.8	166.7	253.2	341.6	439.1	544.7	664.8
-37.5°	0.0	4.0	11.6	34.7	84.3	158.2	242.0	327.8	419.9	518.5	630.6
-40°	0.0	3.9	11.6	32.5	78.3	150.5	229.9	312.8	399.5	493.9	596.8
-42.5°	0.0	3.9	11.6	30.2	73.7	142.3	217.0	296.4	379.8	467.8	560.4
-45°	0.0	3.8	11.4	27.8	70.6	133.5	203.3	279.5	359.7	440.1	522.7
-47.5°	0.0	3.7	11.2	25.1	66.9	124.3	188.8	262.6	338.1	410.9	490.1
-50°	0.0	3.6	10.9	24.2	62.7	114.5	176.7	244.8	314.2	384.2	455.9
-52.5°	0.0	3.5	10.6	23.7	57.9	104.3	164.5	226.2	291.3	356.6	420.9
-55°	0.0	3.3	10.2	23.0	52.6	96.6	151.9	207.4	268.4	328.3	389.8
-57.5°	0.0	3.2	9.7	22.0	46.8	88.7	138.9	192.5	244.6	301.1	358.0
-60°	0.0	3.0	9.1	20.7	40.7	80.1	125.6	176.0	220.9	273.7	326.2
-62.5°	0.0	2.8	8.6	19.3	37.8	70.9	113.5	158.1	198.9	245.6	295.1
-65°	0.0	2.6	8.0	17.6	34.5	61.0	100.5	139.4	175.7	217.3	263.3
-67.5°	0.0	2.4	7.3	15.7	30.8	52.7	86.7	121.0	151.2	187.8	228.9
-70°	0.0	2.1	6.6	13.6	26.8	46.2	72.1	102.1	129.2	156.9	192.3
-72.5°	0.0	1.9	5.9	12.0	22.5	39.1	61.0	82.8	106.9	131.4	156.2
-75°	0.0	1.6	5.1	10.4	17.9	31.6	49.9	66.7	84.2	105.5	127.1
-77.5°	0.0	1.4	4.3	8.8	14.8	23.7	38.2	51.6	65.5	80.5	97.6
-80°	0.0	1.1	3.5	7.1	11.9	18.0	26.1	36.1	46.9	58.5	71.0
-82.5°	0.0	0.8	2.6	5.4	9.0	13.6	19.1	23.2	28.0	36.2	45.1
-85°	0.0	0.6	1.8	3.6	6.1	9.1	12.8	15.5	18.3	21.1	24.1
-87.5°	0.0	0.3	0.9	1.8	3.0	4.6	6.4	7.8	9.1	10.6	12.1
-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: P645415 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-722-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°	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7
85°	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
72.5°	1.0	1.2	1.1	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
70°	1.4	1.5	1.3	1.0	0.9	0.9	1.0	1.0	0.9	0.9	0.9
67.5°	1.7	1.5	1.3	1.2	1.2	1.4	1.3	1.1	0.9	0.9	0.9
65°	1.8	1.6	2.3	2.6	1.9	1.6	1.4	1.2	1.2	1.3	1.3
62.5°	2.7	3.4	4.4	7.8	5.8	1.7	3.0	3.6	2.6	2.2	2.3
60°	9.0	6.1	18.2	26.0	16.2	5.9	7.2	24.1	20.9	3.9	13.0
57.5°	18.9	26.0	47.9	48.7	33.7	23.3	67.6	78.1	59.1	34.5	52.8
55°	41.7	64.1	79.4	73.5	80.2	121.5	144.4	129.7	109.2	167.9	214.5
52.5°	81.5	104.3	109.5	125.7	179.9	206.7	198.1	211.8	274.7	341.1	355.5
50°	120.2	138.9	153.5	221.9	264.3	267.0	286.7	349.0	432.8	473.5	463.6
47.5°	157.7	177.1	244.9	310.6	329.7	355.8	405.0	525.2	614.0	615.7	605.7
45°	197.4	249.0	335.6	378.4	409.3	459.9	578.8	744.5	753.2	777.3	925.4
42.5°	239.8	330.3	405.8	450.3	500.3	594.5	753.2	862.0	899.5	1004.9	1124.1
40°	308.5	408.8	474.7	531.7	596.0	733.4	907.3	1009.2	1039.6	1130.9	1220.5
37.5°	378.1	474.3	548.2	617.0	706.0	891.5	1092.7	1176.8	1192.1	1208.9	1407.3
35°	445.2	541.6	630.0	720.0	829.1	1096.3	1272.1	1351.1	1348.7	1461.4	1669.2
32.5°	508.0	610.3	714.7	835.1	1015.2	1288.9	1464.7	1512.0	1583.8	1747.8	2031.5
30°	570.6	686.9	806.8	950.2	1178.4	1415.6	1616.4	1692.5	1815.5	2002.6	2209.2
27.5°	635.2	765.5	910.5	1078.5	1307.2	1525.3	1696.7	1878.7	1998.1	2165.9	2312.7
25°	699.4	848.7	1012.9	1190.7	1399.3	1602.5	1779.9	1989.9	2118.2	2253.4	2390.5
22.5°	766.8	933.1	1118.5	1279.6	1476.9	1668.2	1879.3	2107.2	2274.0	2359.9	2452.0
20°	837.3	1024.4	1222.1	1400.6	1553.5	1729.2	1979.2	2256.1	2471.4	2568.1	2580.8
17.5°	906.7	1112.8	1325.4	1518.7	1683.6	1839.9	2084.0	2434.4	2702.2	2792.1	2832.1
15°	974.5	1197.9	1428.2	1633.5	1814.6	2005.8	2266.4	2622.8	2928.9	3028.4	3091.3
12.5°	1039.8	1279.0	1529.2	1744.6	1945.7	2160.2	2432.1	2758.3	3037.7	3230.1	3345.5
10°	1102.1	1355.6	1627.3	1851.2	2075.3	2303.3	2569.2	2859.2	3086.7	3272.3	3436.1
7.5°	1133.5	1405.6	1711.6	1952.7	2201.7	2435.7	2681.4	2930.4	3122.0	3304.0	3462.4
5°	1154.9	1426.2	1737.9	1988.1	2268.8	2523.9	2762.5	2977.1	3145.0	3325.4	3480.1
2.5°	1170.1	1439.5	1755.8	2007.5	2294.0	2551.1	2785.9	2992.7	3164.0	3340.7	3499.2
0°	1179.3	1445.8	1764.9	2019.4	2309.8	2568.9	2799.5	2998.6	3176.6	3348.1	3518.7
-2.5°	1184.5	1465.2	1770.9	2050.0	2325.1	2584.3	2818.5	3012.9	3198.9	3362.0	3533.1
-5°	1183.9	1476.7	1769.3	2070.6	2332.4	2590.3	2828.0	3019.3	3210.9	3372.5	3538.9
-7.5°	1177.5	1479.4	1761.3	2077.0	2332.7	2588.3	2823.8	3022.4	3210.7	3382.0	3539.5
-10°	1166.0	1468.9	1753.9	2060.3	2323.8	2577.8	2811.0	3015.6	3203.2	3380.1	3536.4
-12.5°	1152.5	1447.4	1738.6	2036.3	2305.6	2558.2	2791.7	2998.4	3189.2	3365.6	3529.3
-15°	1132.2	1418.7	1713.3	2005.9	2277.9	2529.7	2766.6	2970.2	3167.6	3340.4	3508.4
-17.5°	1105.0	1383.2	1677.8	1969.7	2240.6	2492.5	2734.3	2933.0	3129.4	3308.0	3470.1
-20°	1070.6	1341.1	1631.6	1928.6	2193.3	2442.5	2676.8	2884.8	3080.0	3261.6	3432.0



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 CATALOG NUMBER: GFLD-SA3C-722-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°	1029.1	1292.7	1576.0	1873.1	2134.2	2380.6	2612.1	2823.5	3025.7	3201.4	3383.0
-25°	987.5	1241.5	1514.6	1796.3	2065.6	2311.0	2543.2	2749.1	2955.8	3138.5	3311.0
-27.5°	947.6	1182.1	1443.2	1711.7	1987.9	2232.1	2462.2	2668.2	2868.9	3068.7	3234.7
-30°	902.9	1113.5	1365.0	1621.5	1890.7	2139.3	2371.2	2585.0	2775.9	2973.2	3151.5
-32.5°	853.6	1040.6	1282.4	1529.2	1783.0	2037.1	2266.8	2479.2	2677.8	2864.4	3051.6
-35°	805.4	981.8	1194.9	1430.0	1668.8	1918.1	2148.0	2358.4	2564.5	2749.4	2928.2
-37.5°	762.0	918.1	1101.8	1326.5	1554.7	1790.5	2024.3	2227.9	2424.1	2627.3	2801.8
-40°	715.0	849.7	1021.3	1219.8	1435.0	1659.1	1883.0	2093.7	2278.1	2478.9	2670.8
-42.5°	665.9	794.0	941.8	1106.9	1310.0	1521.4	1737.4	1943.5	2135.1	2324.5	2514.6
-45°	622.8	735.1	860.9	1011.8	1177.1	1376.0	1580.5	1785.9	1969.7	2150.3	2338.0
-47.5°	577.0	675.8	792.2	912.7	1056.4	1222.7	1415.0	1604.5	1792.6	1964.4	2130.6
-50°	531.4	622.5	718.1	826.6	945.2	1079.9	1239.7	1415.8	1587.7	1764.1	1928.6
-52.5°	492.1	566.3	652.8	743.3	844.8	956.3	1084.3	1229.0	1385.3	1535.0	1699.1
-55°	451.3	518.2	588.0	667.7	752.2	846.2	951.2	1072.8	1192.0	1330.5	1464.5
-57.5°	414.1	470.5	530.0	595.8	669.2	744.5	836.2	930.9	1039.1	1146.6	1252.8
-60°	379.0	425.1	475.6	531.4	590.3	657.3	725.8	807.0	894.2	980.1	1070.1
-62.5°	343.6	382.5	423.6	469.9	521.3	572.0	630.4	693.0	757.1	829.9	900.9
-65°	307.3	338.7	373.6	412.0	453.0	496.1	541.0	587.3	641.9	695.3	746.9
-67.5°	268.7	295.5	323.8	354.0	388.4	422.3	456.1	495.2	535.4	574.9	615.8
-70°	225.9	251.2	274.7	299.3	324.9	351.4	380.3	409.0	437.3	466.8	499.7
-72.5°	182.3	205.6	226.4	244.5	265.5	287.6	308.7	328.8	350.2	372.6	394.9
-75°	145.4	160.8	179.3	196.2	212.9	228.5	242.4	259.5	277.3	293.6	307.1
-77.5°	113.5	127.5	140.1	151.4	164.7	180.3	193.9	205.6	216.9	229.2	242.3
-80°	82.6	94.2	105.7	116.2	123.8	132.6	143.0	154.9	165.2	173.6	181.3
-82.5°	53.3	61.7	70.3	79.0	82.6	85.0	87.2	91.4	97.7	104.0	110.1
-85°	26.6	29.0	34.2	39.6	41.4	42.7	43.6	44.1	46.3	48.3	50.0
-87.5°	13.3	14.5	15.7	16.9	16.3	15.4	14.3	13.0	12.7	12.3	11.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-722-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°	0.7	0.8	0.8	0.8	0.8	0.6	0.4	0.2	0.0	0.0	0.0
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.6	0.4
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
67.5°	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.6
65°	1.3	1.2	1.3	1.3	1.1	1.1	1.1	1.1	1.0	0.8	0.5
62.5°	2.3	2.6	2.0	2.0	2.0	1.9	1.8	1.7	1.6	1.5	1.6
60°	14.5	8.6	5.0	5.8	5.2	3.5	4.4	5.2	5.3	4.8	4.2
57.5°	80.1	59.8	44.3	105.8	106.1	50.7	61.0	95.9	79.0	26.0	24.1
55°	222.9	266.6	350.9	333.3	338.8	389.6	425.5	376.7	369.3	393.5	454.6
52.5°	400.5	442.2	470.6	497.1	529.4	564.1	599.8	622.6	643.9	666.5	680.0
50°	511.5	570.2	610.5	595.7	679.3	713.5	678.8	709.8	747.6	758.0	762.9
47.5°	755.3	841.4	858.5	914.0	963.8	962.8	920.4	922.9	1035.6	1134.9	1183.8
45°	1085.5	1088.4	1142.5	1240.5	1310.6	1288.5	1347.6	1482.0	1526.7	1569.9	1605.4
42.5°	1214.1	1267.4	1353.9	1440.5	1492.7	1538.0	1581.7	1631.1	1689.2	1736.2	1773.9
40°	1338.7	1381.6	1470.1	1539.9	1583.1	1625.4	1676.4	1731.1	1784.2	1825.6	1853.9
37.5°	1530.4	1563.7	1585.2	1650.0	1731.8	1694.0	1790.8	1860.1	1891.8	1933.9	1937.6
35°	1820.5	1798.3	1769.5	2027.4	2042.8	1955.7	2046.2	2153.7	2097.1	2215.1	2278.6
32.5°	2077.5	2074.2	2299.2	2434.8	2356.8	2420.4	2629.0	2619.7	2758.7	2823.3	2804.9
30°	2319.7	2402.4	2532.5	2633.5	2647.0	2747.3	2839.9	2921.1	3005.1	3080.3	3085.5
27.5°	2442.7	2550.6	2638.9	2697.3	2762.5	2847.0	2931.0	3022.4	3093.8	3140.9	3152.5
25°	2517.1	2627.3	2694.2	2757.1	2829.0	2901.9	2996.0	3095.5	3152.8	3181.9	3191.2
22.5°	2582.7	2681.7	2753.6	2804.7	2882.1	2960.5	3048.2	3132.4	3194.7	3207.4	3212.0
20°	2645.8	2741.0	2861.1	2936.1	2932.4	3020.7	3105.3	3172.2	3224.2	3223.9	3225.1
17.5°	2828.5	2862.4	3080.4	3245.8	3163.9	3120.6	3353.2	3357.6	3371.4	3343.9	3284.5
15°	3098.8	3160.7	3428.4	3607.8	3551.3	3548.3	3884.2	3800.9	3872.6	3853.8	3934.4
12.5°	3385.2	3458.4	3658.5	3834.7	3918.6	3939.2	4051.4	4156.5	4178.1	4169.6	4153.7
10°	3580.3	3684.6	3765.0	3871.9	3956.6	4042.9	4107.9	4183.4	4208.1	4193.8	4173.6
7.5°	3605.8	3708.8	3803.2	3897.0	3977.6	4047.2	4114.6	4176.1	4201.2	4192.9	4179.1
5°	3621.9	3715.3	3806.8	3901.9	3979.0	4043.5	4110.7	4172.9	4187.8	4177.8	4164.2
2.5°	3631.9	3718.3	3806.4	3901.2	3971.3	4032.7	4100.7	4167.1	4166.9	4162.6	4154.6
0°	3636.7	3723.4	3825.7	3911.5	3989.9	4048.0	4115.3	4179.8	4175.2	4163.2	4149.4
-2.5°	3647.1	3734.9	3839.3	3910.4	3998.7	4052.0	4121.5	4177.4	4175.3	4169.4	4162.5
-5°	3656.3	3755.1	3852.8	3927.5	4016.1	4085.7	4154.8	4198.6	4200.9	4192.7	4181.1
-7.5°	3661.9	3771.4	3864.7	3939.7	4025.7	4106.5	4176.7	4222.6	4223.6	4212.7	4198.8
-10°	3660.1	3775.7	3871.6	3949.2	4037.2	4117.1	4190.4	4248.5	4246.6	4236.3	4224.5
-12.5°	3653.2	3768.6	3867.2	3945.0	4044.9	4127.1	4209.6	4267.4	4270.5	4262.7	4250.0
-15°	3638.0	3757.1	3853.0	3938.0	4035.9	4132.1	4216.8	4280.6	4292.0	4285.6	4275.6
-17.5°	3607.9	3733.7	3835.4	3927.0	4020.9	4123.4	4219.8	4289.6	4305.1	4302.6	4294.3
-20°	3568.4	3698.3	3801.5	3897.4	3999.7	4105.2	4217.4	4281.2	4303.8	4305.2	4299.5



REPORT NUMBER: P645415 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-722-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°	3524.2	3651.3	3760.8	3855.0	3966.0	4072.8	4174.4	4249.1	4287.0	4294.1	4294.6
-25°	3471.1	3601.7	3710.5	3810.9	3914.0	4024.4	4127.0	4210.4	4248.9	4267.3	4273.0
-27.5°	3396.0	3531.0	3638.1	3744.2	3849.1	3963.2	4071.1	4161.7	4193.0	4218.2	4228.4
-30°	3308.1	3441.6	3550.8	3647.8	3767.8	3884.1	3995.4	4074.5	4121.7	4150.6	4166.4
-32.5°	3207.0	3341.8	3456.4	3557.7	3671.8	3788.0	3892.8	3976.2	4041.3	4074.6	4091.5
-35°	3097.5	3235.0	3354.9	3461.7	3569.1	3679.9	3788.4	3875.7	3949.8	3978.5	3999.6
-37.5°	2965.3	3117.0	3240.0	3350.1	3452.1	3556.3	3669.3	3769.1	3841.1	3868.9	3891.2
-40°	2829.7	2976.4	3100.4	3217.8	3318.7	3432.5	3541.3	3645.9	3708.4	3740.8	3766.1
-42.5°	2686.6	2819.1	2937.0	3051.1	3163.4	3280.5	3389.3	3498.1	3552.1	3591.1	3622.1
-45°	2521.4	2644.7	2759.3	2866.0	2981.8	3096.9	3205.8	3301.9	3366.1	3417.0	3456.6
-47.5°	2301.1	2451.3	2566.4	2667.9	2782.8	2893.8	2999.3	3089.6	3160.1	3219.6	3265.6
-50°	2077.5	2221.6	2351.4	2465.5	2572.0	2674.7	2775.1	2863.5	2938.1	3002.5	3049.1
-52.5°	1857.2	1992.2	2121.0	2238.8	2341.2	2438.1	2530.0	2618.9	2697.6	2766.5	2811.5
-55°	1608.2	1748.2	1875.5	1985.4	2087.7	2183.5	2274.2	2358.5	2436.0	2506.2	2549.3
-57.5°	1374.7	1497.5	1616.0	1717.4	1814.0	1905.2	1991.2	2071.9	2146.4	2212.5	2254.1
-60°	1160.1	1249.5	1351.6	1445.2	1530.8	1608.4	1688.7	1763.9	1832.4	1890.5	1929.3
-62.5°	970.4	1044.5	1118.2	1189.4	1258.8	1328.6	1395.8	1458.2	1515.4	1562.9	1596.9
-65°	801.4	860.9	914.2	964.7	1012.8	1067.8	1118.9	1166.9	1211.4	1247.9	1273.8
-67.5°	659.9	701.7	738.6	773.2	811.1	850.0	886.5	918.2	945.4	967.0	984.1
-70°	532.1	562.9	590.7	618.3	646.0	671.3	695.4	718.8	741.0	759.1	772.6
-72.5°	416.7	437.8	456.7	477.9	497.8	517.0	533.7	547.2	557.7	567.9	576.8
-75°	317.7	333.5	354.8	372.8	387.7	400.9	413.0	423.7	433.2	441.5	448.9
-77.5°	255.5	269.0	282.5	295.7	308.4	317.8	326.6	335.4	344.0	351.5	358.0
-80°	189.4	199.4	209.9	220.4	230.9	236.1	240.3	244.2	247.6	252.0	256.1
-82.5°	115.8	121.5	127.3	133.2	139.1	140.6	141.1	140.9	140.2	138.6	136.1
-85°	51.5	51.8	51.7	51.1	50.1	48.1	45.6	42.7	39.4	38.9	38.3
-87.5°	11.3	11.1	10.8	10.4	10.1	10.0	10.0	9.9	9.8	10.1	10.4
-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: P645415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-722-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	0.4	0.6	0.8	0.8
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.5	0.0	0.5	0.9	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.5	0.0	0.5	0.9	0.9	0.9	0.9	0.9	0.9
67.5°	0.3	0.1	0.0	0.0	0.0	0.1	0.3	0.6	0.8	0.9	0.9
65°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	1.0	1.1
62.5°	1.6	1.7	1.8	1.8	1.8	1.7	1.6	1.6	1.5	1.6	1.7
60°	3.3	2.1	1.8	1.8	1.8	2.1	3.3	4.2	4.8	5.3	5.2
57.5°	20.4	15.2	12.9	12.0	12.9	15.2	20.4	24.1	26.0	79.0	95.9
55°	498.3	523.7	542.6	551.4	542.6	523.7	498.3	454.6	393.5	369.3	376.7
52.5°	691.9	702.9	709.3	709.1	709.3	702.9	691.9	680.0	666.5	643.9	622.6
50°	771.2	776.6	778.5	777.3	778.5	776.6	771.2	762.9	758.0	747.6	709.8
47.5°	1139.2	1040.5	968.1	950.7	968.1	1040.5	1139.2	1183.8	1134.9	1035.6	922.9
45°	1622.4	1659.8	1697.1	1708.6	1697.1	1659.8	1622.4	1605.4	1569.9	1526.7	1482.0
42.5°	1789.8	1802.0	1808.8	1809.1	1808.8	1802.0	1789.8	1773.9	1736.2	1689.2	1631.1
40°	1869.7	1881.2	1887.8	1888.4	1887.8	1881.2	1869.7	1853.9	1825.6	1784.2	1731.1
37.5°	1942.2	1952.0	1958.4	1965.0	1958.4	1952.0	1942.2	1937.6	1933.9	1891.8	1860.1
35°	2270.0	2195.8	2088.9	2105.1	2088.9	2195.8	2270.0	2278.6	2215.1	2097.1	2153.7
32.5°	2833.6	2864.8	2884.3	2917.5	2884.3	2864.8	2833.6	2804.9	2823.3	2758.7	2619.7
30°	3093.7	3104.0	3119.6	3136.0	3119.6	3104.0	3093.7	3085.5	3080.3	3005.1	2921.1
27.5°	3158.5	3169.2	3178.7	3185.8	3178.7	3169.2	3158.5	3152.5	3140.9	3093.8	3022.4
25°	3192.5	3199.2	3209.2	3218.1	3209.2	3199.2	3192.5	3191.2	3181.9	3152.8	3095.5
22.5°	3209.4	3210.1	3217.9	3229.1	3217.9	3210.1	3209.4	3212.0	3207.4	3194.7	3132.4
20°	3220.9	3214.7	3222.8	3230.1	3222.8	3214.7	3220.9	3225.1	3223.9	3224.2	3172.2
17.5°	3368.4	3284.2	3249.7	3250.4	3249.7	3284.2	3368.4	3284.5	3343.9	3371.4	3357.6
15°	3843.9	3875.5	3996.4	4061.8	3996.4	3875.5	3843.9	3934.4	3853.8	3872.6	3800.9
12.5°	4150.8	4139.6	4125.2	4144.8	4125.2	4139.6	4150.8	4153.7	4169.6	4178.1	4156.5
10°	4165.0	4163.7	4138.1	4166.0	4138.1	4163.7	4165.0	4173.6	4193.8	4208.1	4183.4
7.5°	4156.3	4157.1	4146.2	4173.4	4146.2	4157.1	4156.3	4179.1	4192.9	4201.2	4176.1
5°	4162.0	4143.3	4150.4	4166.0	4150.4	4143.3	4162.0	4164.2	4177.8	4187.8	4172.9
2.5°	4145.9	4144.0	4130.2	4141.1	4130.2	4144.0	4145.9	4154.6	4162.6	4166.9	4167.1
0°	4133.7	4123.6	4123.6	4132.8	4123.6	4123.6	4133.7	4149.4	4163.2	4175.2	4179.8
-2.5°	4155.5	4153.4	4152.0	4145.7	4152.0	4153.4	4155.5	4162.5	4169.4	4175.3	4177.4
-5°	4173.5	4168.0	4152.9	4173.4	4152.9	4168.0	4173.5	4181.1	4192.7	4200.9	4198.6
-7.5°	4192.7	4178.7	4164.4	4196.4	4164.4	4178.7	4192.7	4198.8	4212.7	4223.6	4222.6
-10°	4210.4	4190.1	4176.2	4207.5	4176.2	4190.1	4210.4	4224.5	4236.3	4246.6	4248.5
-12.5°	4233.6	4209.9	4200.6	4217.6	4200.6	4209.9	4233.6	4250.0	4262.7	4270.5	4267.4
-15°	4258.4	4242.1	4239.9	4249.9	4239.9	4242.1	4258.4	4275.6	4285.6	4292.0	4280.6
-17.5°	4280.3	4268.8	4274.5	4285.9	4274.5	4268.8	4280.3	4294.3	4302.6	4305.1	4289.6
-20°	4290.7	4284.3	4290.6	4319.1	4290.6	4284.3	4290.7	4299.5	4305.2	4303.8	4281.2



REPORT NUMBER: P645415 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-722-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°	4289.8	4290.2	4301.5	4310.8	4301.5	4290.2	4289.8	4294.6	4294.1	4287.0	4249.1
-25°	4273.4	4282.0	4294.9	4313.5	4294.9	4282.0	4273.4	4273.0	4267.3	4248.9	4210.4
-27.5°	4233.9	4248.2	4261.7	4281.2	4261.7	4248.2	4233.9	4228.4	4218.2	4193.0	4161.7
-30°	4176.9	4193.9	4206.0	4226.8	4206.0	4193.9	4176.9	4166.4	4150.6	4121.7	4074.5
-32.5°	4107.4	4126.7	4140.9	4155.8	4140.9	4126.7	4107.4	4091.5	4074.6	4041.3	3976.2
-35°	4020.5	4041.3	4056.5	4070.1	4056.5	4041.3	4020.5	3999.6	3978.5	3949.8	3875.7
-37.5°	3916.2	3938.6	3955.9	3971.4	3955.9	3938.6	3916.2	3891.2	3868.9	3841.1	3769.1
-40°	3794.7	3817.7	3836.1	3853.4	3836.1	3817.7	3794.7	3766.1	3740.8	3708.4	3645.9
-42.5°	3652.6	3675.8	3694.8	3712.3	3694.8	3675.8	3652.6	3622.1	3591.1	3552.1	3498.1
-45°	3488.5	3512.4	3532.5	3551.0	3532.5	3512.4	3488.5	3456.6	3417.0	3366.1	3301.9
-47.5°	3299.5	3325.0	3342.2	3350.9	3342.2	3325.0	3299.5	3265.6	3219.6	3160.1	3089.6
-50°	3082.8	3108.3	3129.0	3144.3	3129.0	3108.3	3082.8	3049.1	3002.5	2938.1	2863.5
-52.5°	2844.4	2868.7	2886.5	2897.2	2886.5	2868.7	2844.4	2811.5	2766.5	2697.6	2618.9
-55°	2583.2	2608.7	2625.6	2633.5	2625.6	2608.7	2583.2	2549.3	2506.2	2436.0	2358.5
-57.5°	2287.1	2311.3	2329.2	2339.3	2329.2	2311.3	2287.1	2254.1	2212.5	2146.4	2071.9
-60°	1959.5	1981.1	1994.7	2000.0	1994.7	1981.1	1959.5	1929.3	1890.5	1832.4	1763.9
-62.5°	1624.4	1644.8	1657.6	1662.5	1657.6	1644.8	1624.4	1596.9	1562.9	1515.4	1458.2
-65°	1293.1	1305.9	1313.0	1314.0	1313.0	1305.9	1293.1	1273.8	1247.9	1211.4	1166.9
-67.5°	997.5	1007.3	1013.2	1015.2	1013.2	1007.3	997.5	984.1	967.0	945.4	918.2
-70°	782.8	789.5	793.3	793.9	793.3	789.5	782.8	772.6	759.1	741.0	718.8
-72.5°	583.6	588.4	586.7	582.8	586.7	588.4	583.6	576.8	567.9	557.7	547.2
-75°	455.3	460.6	458.4	454.6	458.4	460.6	455.3	448.9	441.5	433.2	423.7
-77.5°	363.7	368.5	366.2	362.4	366.2	368.5	363.7	358.0	351.5	344.0	335.4
-80°	259.7	262.5	264.6	265.6	264.6	262.5	259.7	256.1	252.0	247.6	244.2
-82.5°	132.9	129.0	126.6	123.6	126.6	129.0	132.9	136.1	138.6	140.2	140.9
-85°	37.6	36.7	37.3	37.8	37.3	36.7	37.6	38.3	38.9	39.4	42.7
-87.5°	10.8	11.1	11.1	11.1	11.1	11.1	10.8	10.4	10.1	9.8	9.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-722-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°	0.4	0.6	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6
85°	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9	0.9	0.9	1.1
65°	1.1	1.1	1.1	1.3	1.3	1.2	1.3	1.3	1.3	1.2	1.2
62.5°	1.8	1.9	2.0	2.0	2.0	2.6	2.3	2.3	2.2	2.6	3.6
60°	4.4	3.5	5.2	5.8	5.0	8.6	14.5	13.0	3.9	20.9	24.1
57.5°	61.0	50.7	106.1	105.8	44.3	59.8	80.1	52.8	34.5	59.1	78.1
55°	425.5	389.6	338.8	333.3	350.9	266.6	222.9	214.5	167.9	109.2	129.7
52.5°	599.8	564.1	529.4	497.1	470.6	442.2	400.5	355.5	341.1	274.7	211.8
50°	678.8	713.5	679.3	595.7	610.5	570.2	511.5	463.6	473.5	432.8	349.0
47.5°	920.4	962.8	963.8	914.0	858.5	841.4	755.3	605.7	615.7	614.0	525.2
45°	1347.6	1288.5	1310.6	1240.5	1142.5	1088.4	1085.5	925.4	777.3	753.2	744.5
42.5°	1581.7	1538.0	1492.7	1440.5	1353.9	1267.4	1214.1	1124.1	1004.9	899.5	862.0
40°	1676.4	1625.4	1583.1	1539.9	1470.1	1381.6	1338.7	1220.5	1130.9	1039.6	1009.2
37.5°	1790.8	1694.0	1731.8	1650.0	1585.2	1563.7	1530.4	1407.3	1208.9	1192.1	1176.8
35°	2046.2	1955.7	2042.8	2027.4	1769.5	1798.3	1820.5	1669.2	1461.4	1348.7	1351.1
32.5°	2629.0	2420.4	2356.8	2434.8	2299.2	2074.2	2077.5	2031.5	1747.8	1583.8	1512.0
30°	2839.9	2747.3	2647.0	2633.5	2532.5	2402.4	2319.7	2209.2	2002.6	1815.5	1692.5
27.5°	2931.0	2847.0	2762.5	2697.3	2638.9	2550.6	2442.7	2312.7	2165.9	1998.1	1878.7
25°	2996.0	2901.9	2829.0	2757.1	2694.2	2627.3	2517.1	2390.5	2253.4	2118.2	1989.9
22.5°	3048.2	2960.5	2882.1	2804.7	2753.6	2681.7	2582.7	2452.0	2359.9	2274.0	2107.2
20°	3105.3	3020.7	2932.4	2936.1	2861.1	2741.0	2645.8	2580.8	2568.1	2471.4	2256.1
17.5°	3353.2	3120.6	3163.9	3245.8	3080.4	2862.4	2828.5	2832.1	2792.1	2702.2	2434.4
15°	3884.2	3548.3	3551.3	3607.8	3428.4	3160.7	3098.8	3091.3	3028.4	2928.9	2622.8
12.5°	4051.4	3939.2	3918.6	3834.7	3658.5	3458.4	3385.2	3345.5	3230.1	3037.7	2758.3
10°	4107.9	4042.9	3956.6	3871.9	3765.0	3684.6	3580.3	3436.1	3272.3	3086.7	2859.2
7.5°	4114.6	4047.2	3977.6	3897.0	3803.2	3708.8	3605.8	3462.4	3304.0	3122.0	2930.4
5°	4110.7	4043.5	3979.0	3901.9	3806.8	3715.3	3621.9	3480.1	3325.4	3145.0	2977.1
2.5°	4100.7	4032.7	3971.3	3901.2	3806.4	3718.3	3631.9	3499.2	3340.7	3164.0	2992.7
0°	4115.3	4048.0	3989.9	3911.5	3825.7	3723.4	3636.7	3518.7	3348.1	3176.6	2998.6
-2.5°	4121.5	4052.0	3998.7	3910.4	3839.3	3734.9	3647.1	3533.1	3362.0	3198.9	3012.9
-5°	4154.8	4085.7	4016.1	3927.5	3852.8	3755.1	3656.3	3538.9	3372.5	3210.9	3019.3
-7.5°	4176.7	4106.5	4025.7	3939.7	3864.7	3771.4	3661.9	3539.5	3382.0	3210.7	3022.4
-10°	4190.4	4117.1	4037.2	3949.2	3871.6	3775.7	3660.1	3536.4	3380.1	3203.2	3015.6
-12.5°	4209.6	4127.1	4044.9	3945.0	3867.2	3768.6	3653.2	3529.3	3365.6	3189.2	2998.4
-15°	4216.8	4132.1	4035.9	3938.0	3853.0	3757.1	3638.0	3508.4	3340.4	3167.6	2970.2
-17.5°	4219.8	4123.4	4020.9	3927.0	3835.4	3733.7	3607.9	3470.1	3308.0	3129.4	2933.0
-20°	4217.4	4105.2	3999.7	3897.4	3801.5	3698.3	3568.4	3432.0	3261.6	3080.0	2884.8

Classified

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

Scaled Data Report



REPORT NUMBER: P645415 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-722-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°	4174.4	4072.8	3966.0	3855.0	3760.8	3651.3	3524.2	3383.0	3201.4	3025.7	2823.5
-25°	4127.0	4024.4	3914.0	3810.9	3710.5	3601.7	3471.1	3311.0	3138.5	2955.8	2749.1
-27.5°	4071.1	3963.2	3849.1	3744.2	3638.1	3531.0	3396.0	3234.7	3068.7	2868.9	2668.2
-30°	3995.4	3884.1	3767.8	3647.8	3550.8	3441.6	3308.1	3151.5	2973.2	2775.9	2585.0
-32.5°	3892.8	3788.0	3671.8	3557.7	3456.4	3341.8	3207.0	3051.6	2864.4	2677.8	2479.2
-35°	3788.4	3679.9	3569.1	3461.7	3354.9	3235.0	3097.5	2928.2	2749.4	2564.5	2358.4
-37.5°	3669.3	3556.3	3452.1	3350.1	3240.0	3117.0	2965.3	2801.8	2627.3	2424.1	2227.9
-40°	3541.3	3432.5	3318.7	3217.8	3100.4	2976.4	2829.7	2670.8	2478.9	2278.1	2093.7
-42.5°	3389.3	3280.5	3163.4	3051.1	2937.0	2819.1	2686.6	2514.6	2324.5	2135.1	1943.5
-45°	3205.8	3096.9	2981.8	2866.0	2759.3	2644.7	2521.4	2338.0	2150.3	1969.7	1785.9
-47.5°	2999.3	2893.8	2782.8	2667.9	2566.4	2451.3	2301.1	2130.6	1964.4	1792.6	1604.5
-50°	2775.1	2674.7	2572.0	2465.5	2351.4	2221.6	2077.5	1928.6	1764.1	1587.7	1415.8
-52.5°	2530.0	2438.1	2341.2	2238.8	2121.0	1992.2	1857.2	1699.1	1535.0	1385.3	1229.0
-55°	2274.2	2183.5	2087.7	1985.4	1875.5	1748.2	1608.2	1464.5	1330.5	1192.0	1072.8
-57.5°	1991.2	1905.2	1814.0	1717.4	1616.0	1497.5	1374.7	1252.8	1146.6	1039.1	930.9
-60°	1688.7	1608.4	1530.8	1445.2	1351.6	1249.5	1160.1	1070.1	980.1	894.2	807.0
-62.5°	1395.8	1328.6	1258.8	1189.4	1118.2	1044.5	970.4	900.9	829.9	757.1	693.0
-65°	1118.9	1067.8	1012.8	964.7	914.2	860.9	801.4	746.9	695.3	641.9	587.3
-67.5°	886.5	850.0	811.1	773.2	738.6	701.7	659.9	615.8	574.9	535.4	495.2
-70°	695.4	671.3	646.0	618.3	590.7	562.9	532.1	499.7	466.8	437.3	409.0
-72.5°	533.7	517.0	497.8	477.9	456.7	437.8	416.7	394.9	372.6	350.2	328.8
-75°	413.0	400.9	387.7	372.8	354.8	333.5	317.7	307.1	293.6	277.3	259.5
-77.5°	326.6	317.8	308.4	295.7	282.5	269.0	255.5	242.3	229.2	216.9	205.6
-80°	240.3	236.1	230.9	220.4	209.9	199.4	189.4	181.3	173.6	165.2	154.9
-82.5°	141.1	140.6	139.1	133.2	127.3	121.5	115.8	110.1	104.0	97.7	91.4
-85°	45.6	48.1	50.1	51.1	51.7	51.8	51.5	50.0	48.3	46.3	44.1
-87.5°	10.0	10.0	10.1	10.4	10.8	11.1	11.3	11.9	12.3	12.7	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





REPORT NUMBER: P645415 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-722-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°	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.4	1.4
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.2	1.4	1.6
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.2	1.4	1.6
75°	0.9	0.9	0.9	0.9	1.0	0.9	0.9	1.0	1.2	1.4	1.6
72.5°	0.9	0.9	0.9	1.0	1.1	1.2	1.0	1.0	1.2	1.4	1.6
70°	1.0	0.9	0.9	1.0	1.3	1.5	1.4	1.4	1.3	1.5	1.7
67.5°	1.3	1.4	1.2	1.2	1.3	1.5	1.7	2.0	2.0	1.5	1.7
65°	1.4	1.6	1.9	2.6	2.3	1.6	1.8	3.6	2.8	2.4	1.7
62.5°	3.0	1.7	5.8	7.8	4.4	3.4	2.7	8.0	5.0	3.4	2.4
60°	7.2	5.9	16.2	26.0	18.2	6.1	9.0	13.9	12.8	4.4	3.4
57.5°	67.6	23.3	33.7	48.7	47.9	26.0	18.9	25.2	21.7	12.5	4.9
55°	144.4	121.5	80.2	73.5	79.4	64.1	41.7	40.9	33.5	23.2	7.9
52.5°	198.1	206.7	179.9	125.7	109.5	104.3	81.5	59.4	52.7	34.9	20.2
50°	286.7	267.0	264.3	221.9	153.5	138.9	120.2	92.7	73.9	49.9	34.1
47.5°	405.0	355.8	329.7	310.6	244.9	177.1	157.7	126.8	97.4	71.9	48.7
45°	578.8	459.9	409.3	378.4	335.6	249.0	197.4	159.9	126.9	96.6	64.0
42.5°	753.2	594.5	500.3	450.3	405.8	330.3	239.8	198.0	155.7	121.7	83.4
40°	907.3	733.4	596.0	531.7	474.7	408.8	308.5	238.9	183.9	147.5	105.4
37.5°	1092.7	891.5	706.0	617.0	548.2	474.3	378.1	281.5	217.8	174.6	127.5
35°	1272.1	1096.3	829.1	720.0	630.0	541.6	445.2	331.9	259.4	202.1	149.6
32.5°	1464.7	1288.9	1015.2	835.1	714.7	610.3	508.0	393.2	301.3	229.9	171.6
30°	1616.4	1415.6	1178.4	950.2	806.8	686.9	570.6	452.0	343.2	258.0	193.8
27.5°	1696.7	1525.3	1307.2	1078.5	910.5	765.5	635.2	508.2	385.2	288.9	217.0
25°	1779.9	1602.5	1399.3	1190.7	1012.9	848.7	699.4	561.8	430.9	323.7	239.9
22.5°	1879.3	1668.2	1476.9	1279.6	1118.5	933.1	766.8	616.1	476.7	357.8	262.4
20°	1979.2	1729.2	1553.5	1400.6	1222.1	1024.4	837.3	669.0	519.9	391.1	284.4
17.5°	2084.0	1839.9	1683.6	1518.7	1325.4	1112.8	906.7	720.3	560.4	423.3	305.8
15°	2266.4	2005.8	1814.6	1633.5	1428.2	1197.9	974.5	769.6	598.1	454.2	325.7
12.5°	2432.1	2160.2	1945.7	1744.6	1529.2	1279.0	1039.8	816.4	633.1	478.9	343.4
10°	2569.2	2303.3	2075.3	1851.2	1627.3	1355.6	1102.1	854.6	654.1	497.3	359.8
7.5°	2681.4	2435.7	2201.7	1952.7	1711.6	1405.6	1133.5	876.9	670.4	513.0	374.6
5°	2762.5	2523.9	2268.8	1988.1	1737.9	1426.2	1154.9	895.0	683.5	526.1	388.0
2.5°	2785.9	2551.1	2294.0	2007.5	1755.8	1439.5	1170.1	908.9	693.6	536.7	399.9
0°	2799.5	2568.9	2309.8	2019.4	1764.9	1445.8	1179.3	918.4	700.8	545.0	410.3
-2.5°	2818.5	2584.3	2325.1	2050.0	1770.9	1465.2	1184.5	924.6	709.8	548.0	416.4
-5°	2828.0	2590.3	2332.4	2070.6	1769.3	1476.7	1183.9	926.6	715.7	549.0	420.8
-7.5°	2823.8	2588.3	2332.7	2077.0	1761.3	1479.4	1177.5	924.5	718.1	548.2	423.6
-10°	2811.0	2577.8	2323.8	2060.3	1753.9	1468.9	1166.0	918.7	716.7	545.9	424.6
-12.5°	2791.7	2558.2	2305.6	2036.3	1738.6	1447.4	1152.5	908.6	710.9	542.1	423.9
-15°	2766.6	2529.7	2277.9	2005.9	1713.3	1418.7	1132.2	893.9	699.6	537.8	421.4
-17.5°	2734.3	2492.5	2240.6	1969.7	1677.8	1383.2	1105.0	874.9	685.5	532.6	416.3
-20°	2676.8	2442.5	2193.3	1928.6	1631.6	1341.1	1070.6	851.4	668.8	525.1	409.1



REPORT NUMBER: P645415 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-722-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°	2612.1	2380.6	2134.2	1873.1	1576.0	1292.7	1029.1	823.5	649.4	515.4	400.4
-25°	2543.2	2311.0	2065.6	1796.3	1514.6	1241.5	987.5	791.3	627.6	503.5	390.3
-27.5°	2462.2	2232.1	1987.9	1711.7	1443.2	1182.1	947.6	762.7	606.5	489.2	378.8
-30°	2371.2	2139.3	1890.7	1621.5	1365.0	1113.5	902.9	732.1	588.7	473.6	366.0
-32.5°	2266.8	2037.1	1783.0	1529.2	1282.4	1040.6	853.6	699.5	568.0	457.0	354.1
-35°	2148.0	1918.1	1668.8	1430.0	1194.9	981.8	805.4	664.8	544.7	439.1	341.6
-37.5°	2024.3	1790.5	1554.7	1326.5	1101.8	918.1	762.0	630.6	518.5	419.9	327.8
-40°	1883.0	1659.1	1435.0	1219.8	1021.3	849.7	715.0	596.8	493.9	399.5	312.8
-42.5°	1737.4	1521.4	1310.0	1106.9	941.8	794.0	665.9	560.4	467.8	379.8	296.4
-45°	1580.5	1376.0	1177.1	1011.8	860.9	735.1	622.8	522.7	440.1	359.7	279.5
-47.5°	1415.0	1222.7	1056.4	912.7	792.2	675.8	577.0	490.1	410.9	338.1	262.6
-50°	1239.7	1079.9	945.2	826.6	718.1	622.5	531.4	455.9	384.2	314.2	244.8
-52.5°	1084.3	956.3	844.8	743.3	652.8	566.3	492.1	420.9	356.6	291.3	226.2
-55°	951.2	846.2	752.2	667.7	588.0	518.2	451.3	389.8	328.3	268.4	207.4
-57.5°	836.2	744.5	669.2	595.8	530.0	470.5	414.1	358.0	301.1	244.6	192.5
-60°	725.8	657.3	590.3	531.4	475.6	425.1	379.0	326.2	273.7	220.9	176.0
-62.5°	630.4	572.0	521.3	469.9	423.6	382.5	343.6	295.1	245.6	198.9	158.1
-65°	541.0	496.1	453.0	412.0	373.6	338.7	307.3	263.3	217.3	175.7	139.4
-67.5°	456.1	422.3	388.4	354.0	323.8	295.5	268.7	228.9	187.8	151.2	121.0
-70°	380.3	351.4	324.9	299.3	274.7	251.2	225.9	192.3	156.9	129.2	102.1
-72.5°	308.7	287.6	265.5	244.5	226.4	205.6	182.3	156.2	131.4	106.9	82.8
-75°	242.4	228.5	212.9	196.2	179.3	160.8	145.4	127.1	105.5	84.2	66.7
-77.5°	193.9	180.3	164.7	151.4	140.1	127.5	113.5	97.6	80.5	65.5	51.6
-80°	143.0	132.6	123.8	116.2	105.7	94.2	82.6	71.0	58.5	46.9	36.1
-82.5°	87.2	85.0	82.6	79.0	70.3	61.7	53.3	45.1	36.2	28.0	23.2
-85°	43.6	42.7	41.4	39.6	34.2	29.0	26.6	24.1	21.1	18.3	15.5
-87.5°	14.3	15.4	16.3	16.9	15.7	14.5	13.3	12.1	10.6	9.1	7.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645415 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-722-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	0.2	0.2	0.1	0.0
85°	0.9	0.8	0.6	0.5	0.3	0.2	0.0
82.5°	1.4	1.2	0.9	0.7	0.5	0.3	0.0
80°	1.8	1.6	1.2	0.9	0.6	0.4	0.0
77.5°	1.8	1.8	1.6	1.2	0.8	0.5	0.0
75°	1.8	1.9	1.8	1.4	0.9	0.6	0.0
72.5°	1.9	2.0	1.9	1.6	1.1	0.7	0.0
70°	1.9	2.0	2.0	1.8	1.3	0.8	0.0
67.5°	2.1	2.1	2.1	1.9	1.4	0.9	0.0
65°	2.4	2.4	2.2	2.0	1.6	1.0	0.0
62.5°	2.9	3.0	2.3	2.1	1.8	1.1	0.0
60°	3.4	3.7	2.4	2.2	1.9	1.2	0.0
57.5°	6.3	4.4	3.1	2.3	2.0	1.3	0.0
55°	10.0	5.2	3.9	2.4	2.1	1.4	0.0
52.5°	14.4	6.7	4.7	2.5	2.3	1.5	0.0
50°	19.4	11.4	5.5	2.7	2.4	1.6	0.0
47.5°	26.1	16.5	6.4	2.9	2.5	1.6	0.0
45°	39.4	22.0	7.3	3.6	2.6	1.7	0.0
42.5°	53.1	27.8	8.3	4.3	2.7	1.8	0.0
40°	67.0	33.9	11.1	5.2	2.8	1.9	0.0
37.5°	81.2	40.4	15.9	6.3	3.0	2.0	0.0
35°	95.6	50.2	20.8	7.5	3.1	2.1	0.0
32.5°	111.2	61.5	25.8	8.9	3.2	2.1	0.0
30°	129.1	72.8	30.8	10.3	3.3	2.2	0.0
27.5°	146.6	84.0	36.9	11.9	3.4	2.3	0.0
25°	163.8	94.9	43.2	13.5	3.6	2.3	0.0
22.5°	180.4	106.1	49.5	15.2	3.7	2.4	0.0
20°	196.4	118.1	55.8	17.0	3.8	2.5	0.0
17.5°	212.3	129.7	61.9	18.8	3.9	2.5	0.0
15°	227.6	140.9	67.9	20.6	4.0	2.6	0.0
12.5°	241.8	151.6	73.6	22.4	4.1	2.6	0.0
10°	255.1	161.6	79.2	24.1	4.2	2.7	0.0
7.5°	267.2	171.0	84.4	25.8	4.3	2.7	0.0
5°	278.3	179.7	89.3	27.5	4.4	2.7	0.0
2.5°	288.2	187.6	93.7	29.0	4.5	2.8	0.0
0°	296.9	194.6	97.7	30.4	4.6	2.8	0.0
-2.5°	301.2	199.0	101.4	32.4	5.3	3.0	0.0
-5°	304.4	202.5	104.6	34.2	6.0	3.1	0.0
-7.5°	306.5	205.1	107.2	35.8	6.7	3.2	0.0
-10°	307.4	206.6	109.1	37.3	7.4	3.4	0.0
-12.5°	307.2	207.3	110.4	38.5	8.0	3.5	0.0
-15°	306.0	207.0	111.1	39.4	8.6	3.6	0.0
-17.5°	303.8	205.7	111.0	40.1	9.2	3.7	0.0
-20°	300.3	203.5	110.2	40.5	9.7	3.8	0.0

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Scaled Data Report



REPORT NUMBER: P645415 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-722-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	295.3	200.4	108.6	40.6	10.1	3.9	0.0
-25°	289.1	195.6	106.3	40.4	10.6	3.9	0.0
-27.5°	281.8	189.6	103.2	40.0	10.9	4.0	0.0
-30°	273.3	182.8	99.4	39.1	11.2	4.0	0.0
-32.5°	263.6	175.1	94.9	38.0	11.4	4.0	0.0
-35°	253.2	166.7	89.8	36.5	11.5	4.0	0.0
-37.5°	242.0	158.2	84.3	34.7	11.6	4.0	0.0
-40°	229.9	150.5	78.3	32.5	11.6	3.9	0.0
-42.5°	217.0	142.3	73.7	30.2	11.6	3.9	0.0
-45°	203.3	133.5	70.6	27.8	11.4	3.8	0.0
-47.5°	188.8	124.3	66.9	25.1	11.2	3.7	0.0
-50°	176.7	114.5	62.7	24.2	10.9	3.6	0.0
-52.5°	164.5	104.3	57.9	23.7	10.6	3.5	0.0
-55°	151.9	96.6	52.6	23.0	10.2	3.3	0.0
-57.5°	138.9	88.7	46.8	22.0	9.7	3.2	0.0
-60°	125.6	80.1	40.7	20.7	9.1	3.0	0.0
-62.5°	113.5	70.9	37.8	19.3	8.6	2.8	0.0
-65°	100.5	61.0	34.5	17.6	8.0	2.6	0.0
-67.5°	86.7	52.7	30.8	15.7	7.3	2.4	0.0
-70°	72.1	46.2	26.8	13.6	6.6	2.1	0.0
-72.5°	61.0	39.1	22.5	12.0	5.9	1.9	0.0
-75°	49.9	31.6	17.9	10.4	5.1	1.6	0.0
-77.5°	38.2	23.7	14.8	8.8	4.3	1.4	0.0
-80°	26.1	18.0	11.9	7.1	3.5	1.1	0.0
-82.5°	19.1	13.6	9.0	5.4	2.6	0.8	0.0
-85°	12.8	9.1	6.1	3.6	1.8	0.6	0.0
-87.5°	6.4	4.6	3.0	1.8	0.9	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)