

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: P645416 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P645416 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)  
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-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

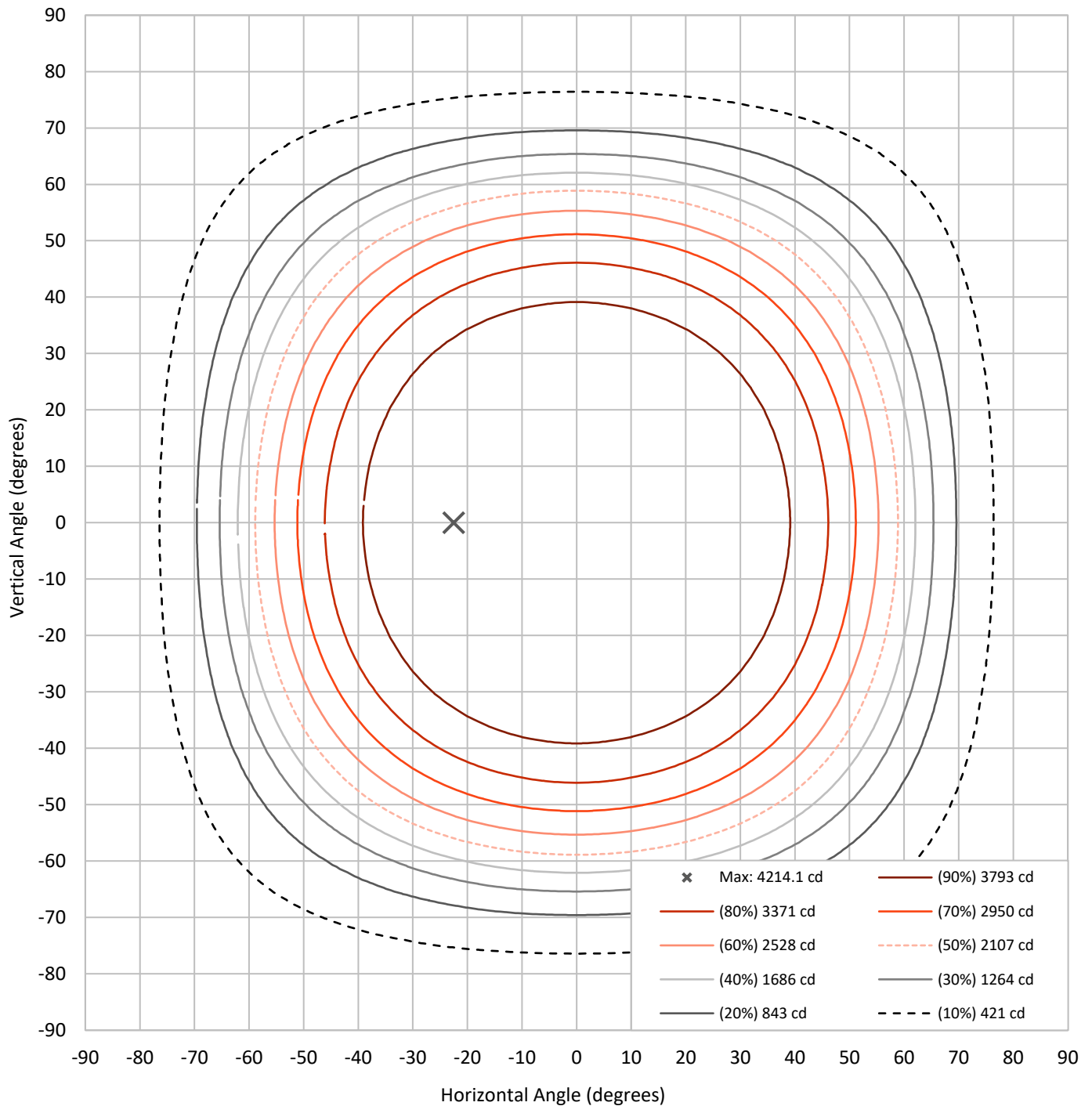
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	12891.3 lumens	Max Intensity:	4214.1 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	105.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	10728.4 lumens	Field Lumens:	12637.7 lumens
Beam Efficiency:	83.2%	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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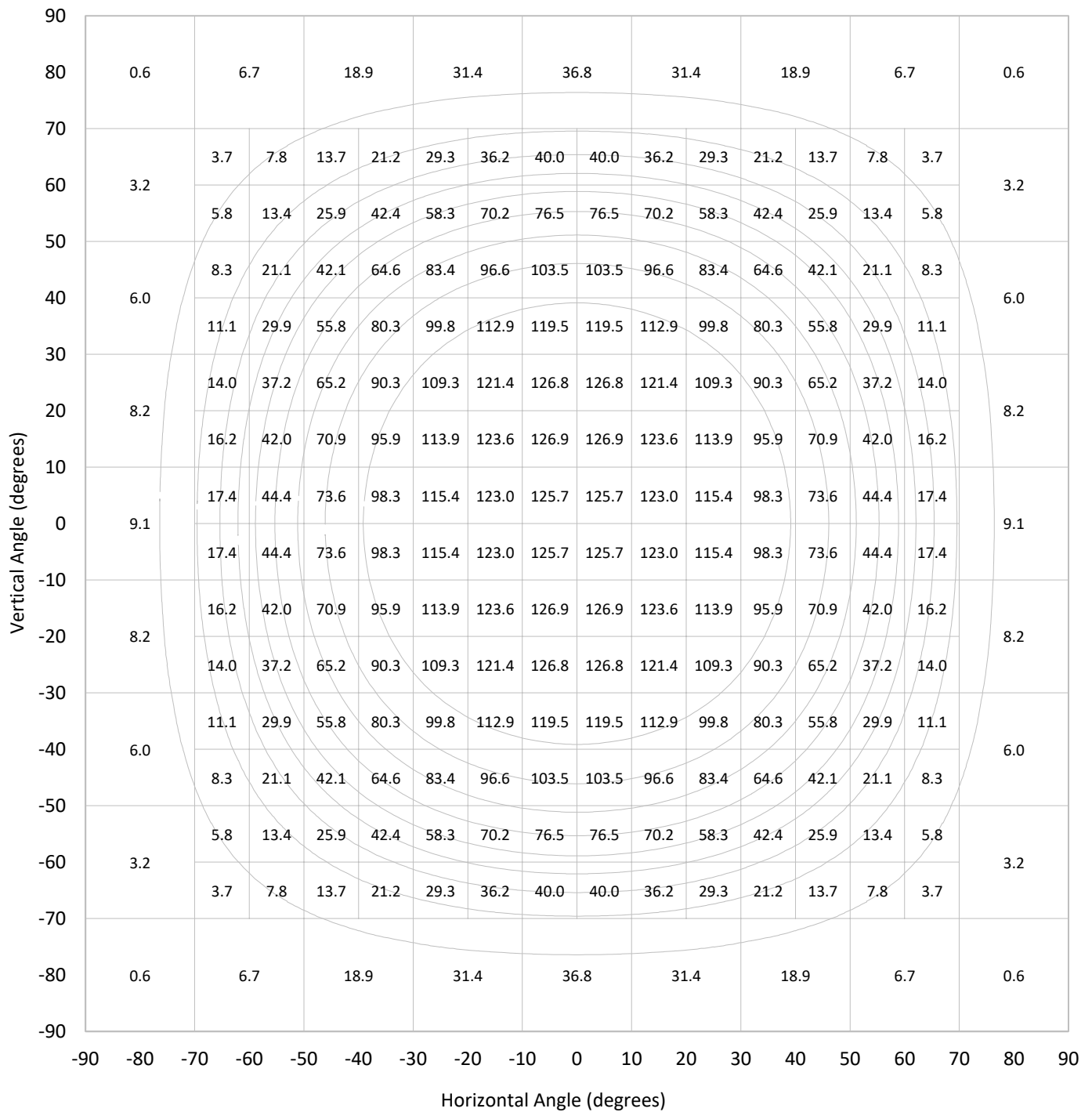
### Iso-Candela Plot





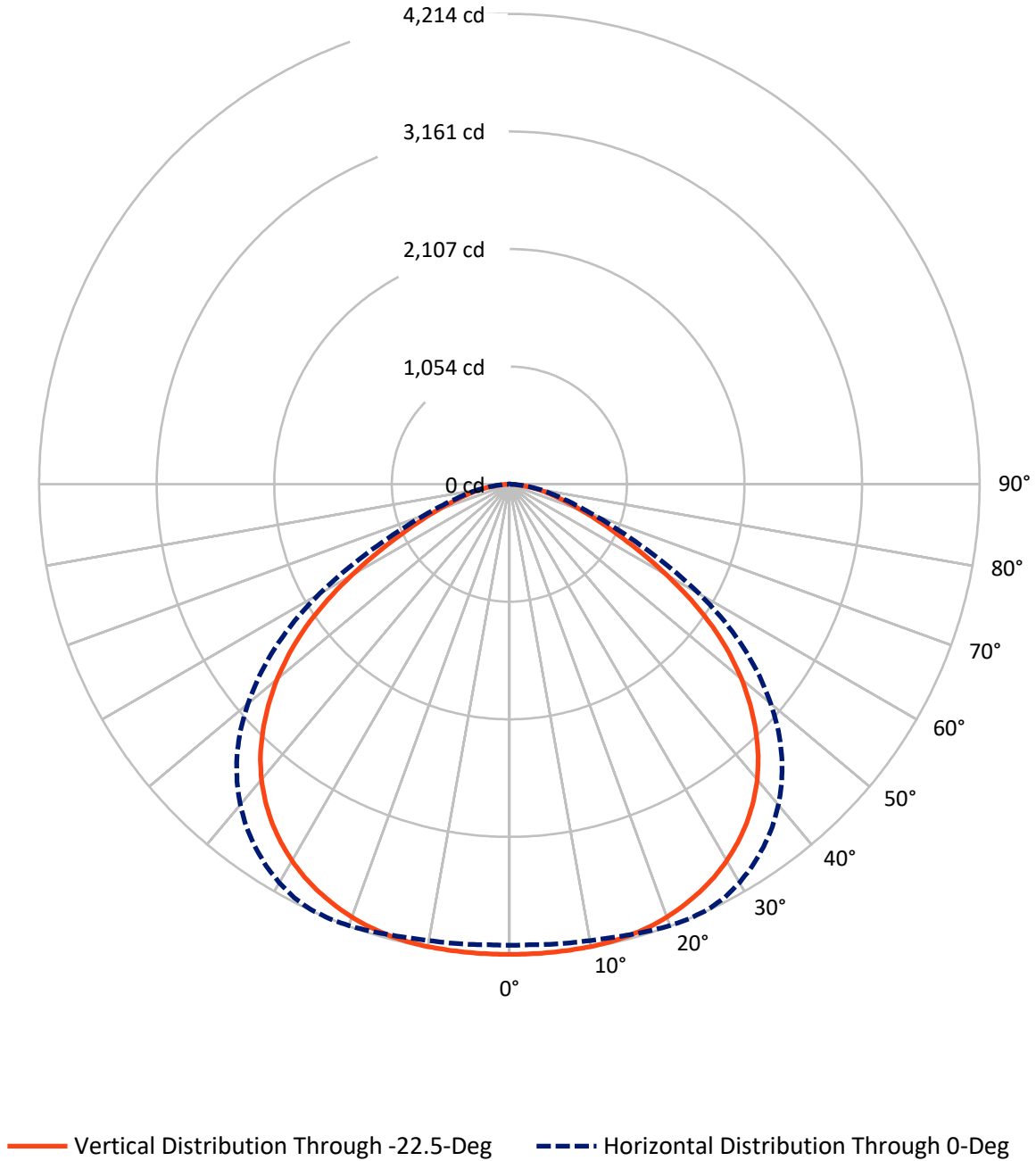
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### Lumen Table



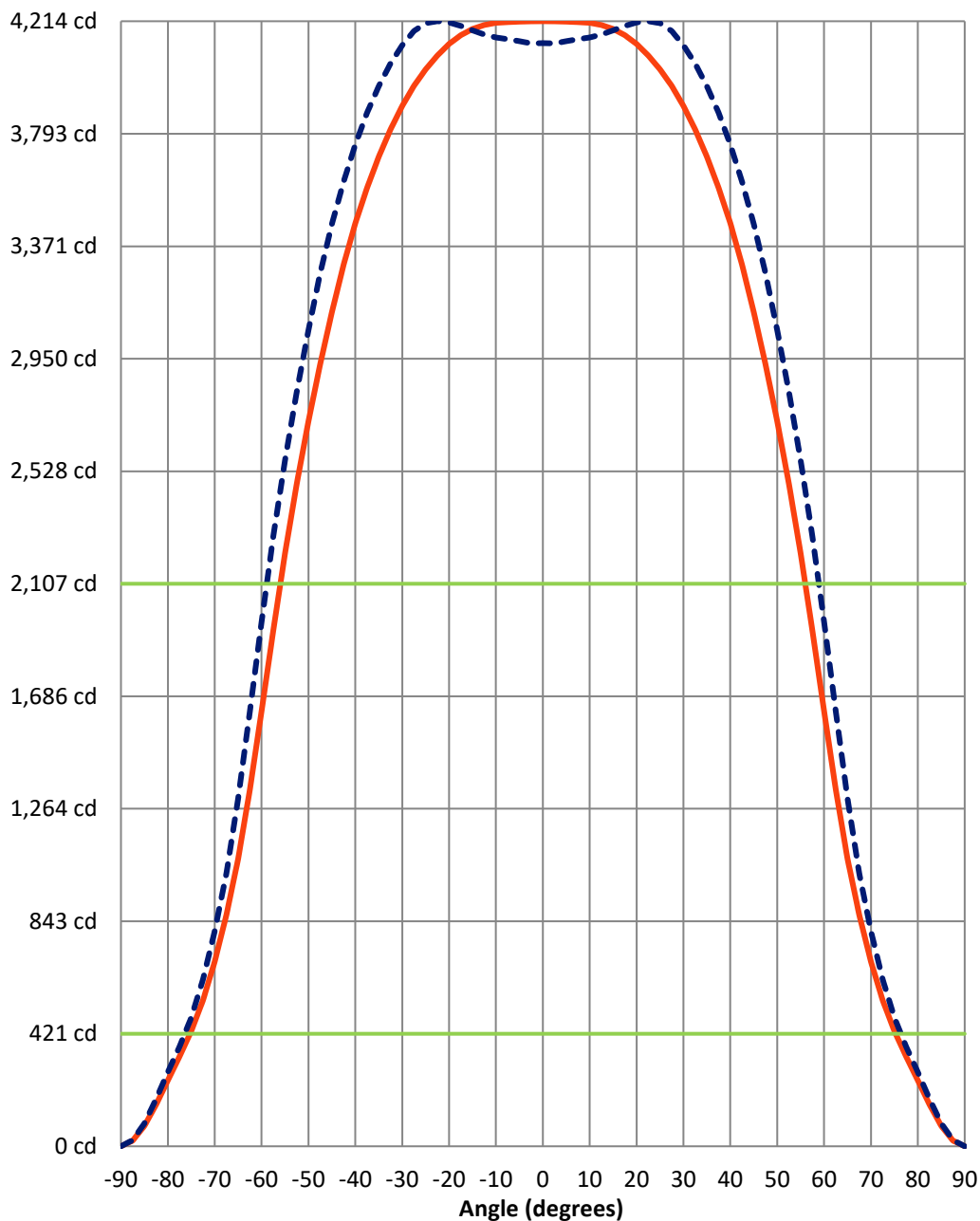
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 10728.4  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 12637.7  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 253.6  
 Efficiency: 2.0%

— Vertical Distribution through -22.5-Deg  
 - - Horizontal Distribution through 0-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	1.0	2.0	3.0	4.0	5.0	6.0	6.9	7.9	8.8	9.8
85°	0.0	2.0	4.0	6.0	8.0	10.0	11.9	13.9	15.8	17.7	19.5
82.5°	0.0	3.0	6.0	9.0	12.0	15.0	17.9	20.8	24.6	32.2	39.7
80°	0.0	4.0	8.0	12.0	16.0	19.9	25.0	35.5	45.8	56.0	66.0
77.5°	0.0	5.0	10.0	15.0	19.9	27.7	40.9	54.0	66.9	79.6	94.9
75°	0.0	6.0	11.9	17.9	25.0	40.9	56.7	72.4	88.7	110.8	132.5
72.5°	0.0	6.9	13.9	20.8	35.5	54.0	72.4	92.7	118.7	144.5	169.7
70°	0.0	7.9	15.8	24.6	45.8	66.9	88.7	118.7	148.5	177.8	209.6
67.5°	0.0	8.8	17.7	32.2	56.0	79.6	110.8	144.5	177.8	214.1	249.7
65°	0.0	9.8	19.5	39.7	66.0	94.9	132.5	169.7	209.6	249.7	288.7
62.5°	0.0	10.7	21.3	47.1	75.7	112.6	153.8	196.4	240.8	284.4	325.7
60°	0.0	11.5	23.1	54.2	85.3	130.0	174.6	223.2	271.4	317.2	362.0
57.5°	0.0	12.4	27.7	61.3	98.7	147.0	196.9	249.4	300.2	349.2	400.7
55°	0.0	13.2	32.3	68.1	111.9	163.6	218.7	274.9	328.0	381.3	440.0
52.5°	0.0	14.1	36.7	74.7	124.8	179.9	240.0	298.6	355.0	415.8	478.3
50°	0.0	14.8	40.9	81.1	137.2	197.0	260.6	321.5	382.2	449.2	525.9
47.5°	0.0	15.6	45.1	88.0	149.2	213.5	280.3	343.6	410.9	481.6	573.2
45°	0.0	16.3	49.0	96.6	160.7	229.5	298.5	364.9	438.6	522.3	618.8
42.5°	0.0	17.0	52.8	104.9	171.7	244.7	316.0	387.0	465.1	561.6	672.5
40°	0.0	17.7	56.4	112.7	182.8	259.2	332.7	409.1	493.1	599.3	725.6
37.5°	0.0	18.3	59.8	120.2	193.8	273.1	348.5	430.2	524.8	637.8	776.3
35°	0.0	18.9	63.1	127.3	204.3	285.7	363.5	450.1	554.9	680.8	827.9
32.5°	0.0	19.5	66.1	134.0	214.1	297.5	378.2	468.9	583.2	721.3	882.3
30°	0.0	20.0	69.0	140.2	223.2	308.4	393.2	487.7	609.7	759.3	933.2
27.5°	0.0	20.5	71.6	145.9	231.7	318.6	407.1	509.1	636.8	794.6	980.7
25°	0.0	20.9	74.0	151.2	239.6	327.9	419.9	528.9	665.5	831.3	1025.0
22.5°	0.0	21.3	76.2	156.1	246.7	336.5	431.6	546.9	691.7	867.0	1076.7
20°	0.0	21.7	78.2	160.4	253.1	344.2	442.1	563.1	715.4	899.2	1123.4
17.5°	0.0	22.0	80.0	164.3	258.8	351.0	451.4	577.5	736.3	927.8	1165.0
15°	0.0	22.3	81.5	167.6	263.8	356.9	459.6	590.1	754.7	952.7	1201.3
12.5°	0.0	22.6	82.8	170.5	268.0	362.0	466.5	600.8	770.2	973.9	1232.1
10°	0.0	22.7	83.9	172.8	271.4	366.1	472.2	609.5	783.0	991.4	1257.5
7.5°	0.0	22.9	84.7	174.6	274.1	369.3	476.6	616.4	793.0	1005.0	1277.4
5°	0.0	23.0	85.3	176.0	276.1	371.6	479.8	621.3	800.2	1014.8	1291.6
2.5°	0.0	23.1	85.7	176.7	277.2	373.0	481.7	624.2	804.5	1020.6	1300.1
0°	0.0	23.1	85.8	177.0	277.6	373.5	482.3	625.2	805.9	1022.6	1303.0
-2.5°	0.0	23.1	85.7	176.7	277.2	373.0	481.7	624.2	804.5	1020.6	1300.1
-5°	0.0	23.0	85.3	176.0	276.1	371.6	479.8	621.3	800.2	1014.8	1291.6
-7.5°	0.0	22.9	84.7	174.6	274.1	369.3	476.6	616.4	793.0	1005.0	1277.4
-10°	0.0	22.7	83.9	172.8	271.4	366.1	472.2	609.5	783.0	991.4	1257.5
-12.5°	0.0	22.6	82.8	170.5	268.0	362.0	466.5	600.8	770.2	973.9	1232.1
-15°	0.0	22.3	81.5	167.6	263.8	356.9	459.6	590.1	754.7	952.7	1201.3
-17.5°	0.0	22.0	80.0	164.3	258.8	351.0	451.4	577.5	736.3	927.8	1165.0
-20°	0.0	21.7	78.2	160.4	253.1	344.2	442.1	563.1	715.4	899.2	1123.4

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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	21.3	76.2	156.1	246.7	336.5	431.6	546.9	691.7	867.0	1076.7
-25°	0.0	20.9	74.0	151.2	239.6	327.9	419.9	528.9	665.5	831.3	1025.0
-27.5°	0.0	20.5	71.6	145.9	231.7	318.6	407.1	509.1	636.8	794.6	980.7
-30°	0.0	20.0	69.0	140.2	223.2	308.4	393.2	487.7	609.7	759.3	933.2
-32.5°	0.0	19.5	66.1	134.0	214.1	297.5	378.2	468.9	583.2	721.3	882.3
-35°	0.0	18.9	63.1	127.3	204.3	285.7	363.5	450.1	554.9	680.8	827.9
-37.5°	0.0	18.3	59.8	120.2	193.8	273.1	348.5	430.2	524.8	637.8	776.3
-40°	0.0	17.7	56.4	112.7	182.8	259.2	332.7	409.1	493.1	599.3	725.6
-42.5°	0.0	17.0	52.8	104.9	171.7	244.7	316.0	387.0	465.1	561.6	672.5
-45°	0.0	16.3	49.0	96.6	160.7	229.5	298.5	364.9	438.6	522.3	618.8
-47.5°	0.0	15.6	45.1	88.0	149.2	213.5	280.3	343.6	410.9	481.6	573.2
-50°	0.0	14.8	40.9	81.1	137.2	197.0	260.6	321.5	382.2	449.2	525.9
-52.5°	0.0	14.1	36.7	74.7	124.8	179.9	240.0	298.6	355.0	415.8	478.3
-55°	0.0	13.2	32.3	68.1	111.9	163.6	218.7	274.9	328.0	381.3	440.0
-57.5°	0.0	12.4	27.7	61.3	98.7	147.0	196.9	249.4	300.2	349.2	400.7
-60°	0.0	11.5	23.1	54.2	85.3	130.0	174.6	223.2	271.4	317.2	362.0
-62.5°	0.0	10.7	21.3	47.1	75.7	112.6	153.8	196.4	240.8	284.4	325.7
-65°	0.0	9.8	19.5	39.7	66.0	94.9	132.5	169.7	209.6	249.7	288.7
-67.5°	0.0	8.8	17.7	32.2	56.0	79.6	110.8	144.5	177.8	214.1	249.7
-70°	0.0	7.9	15.8	24.6	45.8	66.9	88.7	118.7	148.5	177.8	209.6
-72.5°	0.0	6.9	13.9	20.8	35.5	54.0	72.4	92.7	118.7	144.5	169.7
-75°	0.0	6.0	11.9	17.9	25.0	40.9	56.7	72.4	88.7	110.8	132.5
-77.5°	0.0	5.0	10.0	15.0	19.9	27.7	40.9	54.0	66.9	79.6	94.9
-80°	0.0	4.0	8.0	12.0	16.0	19.9	25.0	35.5	45.8	56.0	66.0
-82.5°	0.0	3.0	6.0	9.0	12.0	15.0	17.9	20.8	24.6	32.2	39.7
-85°	0.0	2.0	4.0	6.0	8.0	10.0	11.9	13.9	15.8	17.7	19.5
-87.5°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	6.9	7.9	8.8	9.8
-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: P645416 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-722-U-LAM-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°	10.7	11.5	12.4	13.2	14.1	14.8	15.6	16.3	17.0	17.7	18.3
85°	21.3	23.1	27.7	32.3	36.7	40.9	45.1	49.0	52.8	56.4	59.8
82.5°	47.1	54.2	61.3	68.1	74.7	81.1	88.0	96.6	104.9	112.7	120.2
80°	75.7	85.3	98.7	111.9	124.8	137.2	149.2	160.7	171.7	182.8	193.8
77.5°	112.6	130.0	147.0	163.6	179.9	197.0	213.5	229.5	244.7	259.2	273.1
75°	153.8	174.6	196.9	218.7	240.0	260.6	280.3	298.5	316.0	332.7	348.5
72.5°	196.4	223.2	249.4	274.9	298.6	321.5	343.6	364.9	387.0	409.1	430.2
70°	240.8	271.4	300.2	328.0	355.0	382.2	410.9	438.6	465.1	493.1	524.8
67.5°	284.4	317.2	349.2	381.3	415.8	449.2	481.6	522.3	561.6	599.3	637.8
65°	325.7	362.0	400.7	440.0	478.3	525.9	573.2	618.8	672.5	725.6	776.3
62.5°	366.2	410.4	454.7	502.8	558.1	611.8	674.1	737.7	798.9	867.9	935.0
60°	410.4	459.6	515.7	577.5	641.2	715.4	787.3	867.0	947.3	1025.0	1120.2
57.5°	454.7	515.7	584.0	657.7	740.3	823.6	917.2	1007.8	1116.5	1225.1	1333.1
55°	502.8	577.5	657.7	748.6	843.7	947.6	1056.2	1182.7	1305.2	1441.6	1572.3
52.5°	558.1	641.2	740.3	843.7	957.8	1082.7	1222.8	1367.7	1520.2	1668.4	1813.6
50°	611.8	715.4	823.6	947.6	1082.7	1236.2	1399.1	1567.8	1734.4	1896.8	2048.9
47.5°	674.1	787.3	917.2	1056.2	1222.8	1399.1	1583.8	1767.6	1947.2	2113.9	2273.5
45°	737.7	867.0	1007.8	1182.7	1367.7	1567.8	1767.6	1964.1	2146.6	2318.8	2469.5
42.5°	798.9	947.3	1116.5	1305.2	1520.2	1734.4	1947.2	2146.6	2333.6	2499.5	2650.9
40°	867.9	1025.0	1225.1	1441.6	1668.4	1896.8	2113.9	2318.8	2499.5	2664.6	2817.9
37.5°	935.0	1120.2	1333.1	1572.3	1813.6	2048.9	2273.5	2469.5	2650.9	2817.9	2964.9
35°	998.8	1210.8	1447.8	1698.9	1952.3	2191.6	2410.2	2609.7	2789.8	2951.9	3102.3
32.5°	1069.6	1296.5	1556.4	1820.5	2078.6	2322.3	2539.0	2734.2	2913.2	3077.9	3227.1
30°	1142.7	1388.8	1659.5	1935.1	2197.3	2435.7	2652.0	2849.6	3027.3	3189.9	3336.1
27.5°	1210.8	1475.9	1757.8	2038.8	2305.7	2542.0	2755.3	2949.9	3128.6	3292.3	3434.1
25°	1273.7	1556.4	1848.8	2133.7	2397.0	2633.8	2849.1	3043.5	3221.2	3378.3	3516.1
22.5°	1335.8	1630.2	1932.2	2220.8	2480.9	2715.8	2929.2	3124.2	3301.9	3457.5	3589.8
20°	1396.1	1698.9	2005.8	2298.0	2557.0	2790.4	3002.1	3196.7	3369.7	3520.4	3652.0
17.5°	1449.9	1760.1	2070.1	2360.4	2619.5	2854.1	3066.7	3261.9	3430.7	3577.1	3705.8
15°	1496.8	1813.6	2126.4	2415.0	2673.3	2907.0	3119.6	3312.6	3480.3	3625.5	3753.3
12.5°	1536.7	1859.2	2174.5	2461.6	2719.3	2952.2	3164.9	3355.3	3520.2	3663.4	3788.5
10°	1569.6	1896.8	2214.0	2500.1	2757.2	2989.6	3202.4	3390.6	3553.2	3694.9	3817.8
7.5°	1595.3	1926.2	2245.0	2530.2	2786.9	3018.9	3231.8	3418.3	3579.1	3719.8	3840.9
5°	1613.7	1947.2	2267.2	2551.8	2808.3	3040.0	3252.9	3438.2	3597.8	3737.7	3857.6
2.5°	1624.8	1959.9	2280.5	2564.8	2821.1	3052.7	3265.6	3450.3	3609.1	3748.5	3867.7
0°	1628.5	1964.1	2285.0	2569.1	2825.4	3056.9	3269.9	3454.3	3612.9	3752.1	3871.1
-2.5°	1624.8	1959.9	2280.5	2564.8	2821.1	3052.7	3265.6	3450.3	3609.1	3748.5	3867.7
-5°	1613.7	1947.2	2267.2	2551.8	2808.3	3040.0	3252.9	3438.2	3597.8	3737.7	3857.6
-7.5°	1595.3	1926.2	2245.0	2530.2	2786.9	3018.9	3231.8	3418.3	3579.1	3719.8	3840.9
-10°	1569.6	1896.8	2214.0	2500.1	2757.2	2989.6	3202.4	3390.6	3553.2	3694.9	3817.8
-12.5°	1536.7	1859.2	2174.5	2461.6	2719.3	2952.2	3164.9	3355.3	3520.2	3663.4	3788.5
-15°	1496.8	1813.6	2126.4	2415.0	2673.3	2907.0	3119.6	3312.6	3480.3	3625.5	3753.3
-17.5°	1449.9	1760.1	2070.1	2360.4	2619.5	2854.1	3066.7	3261.9	3430.7	3577.1	3705.8
-20°	1396.1	1698.9	2005.8	2298.0	2557.0	2790.4	3002.1	3196.7	3369.7	3520.4	3652.0

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Scaled Data Report



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

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1335.8	1630.2	1932.2	2220.8	2480.9	2715.8	2929.2	3124.2	3301.9	3457.5	3589.8
-25°	1273.7	1556.4	1848.8	2133.7	2397.0	2633.8	2849.1	3043.5	3221.2	3378.3	3516.1
-27.5°	1210.8	1475.9	1757.8	2038.8	2305.7	2542.0	2755.3	2949.9	3128.6	3292.3	3434.1
-30°	1142.7	1388.8	1659.5	1935.1	2197.3	2435.7	2652.0	2849.6	3027.3	3189.9	3336.1
-32.5°	1069.6	1296.5	1556.4	1820.5	2078.6	2322.3	2539.0	2734.2	2913.2	3077.9	3227.1
-35°	998.8	1210.8	1447.8	1698.9	1952.3	2191.6	2410.2	2609.7	2789.8	2951.9	3102.3
-37.5°	935.0	1120.2	1333.1	1572.3	1813.6	2048.9	2273.5	2469.5	2650.9	2817.9	2964.9
-40°	867.9	1025.0	1225.1	1441.6	1668.4	1896.8	2113.9	2318.8	2499.5	2664.6	2817.9
-42.5°	798.9	947.3	1116.5	1305.2	1520.2	1734.4	1947.2	2146.6	2333.6	2499.5	2650.9
-45°	737.7	867.0	1007.8	1182.7	1367.7	1567.8	1767.6	1964.1	2146.6	2318.8	2469.5
-47.5°	674.1	787.3	917.2	1056.2	1222.8	1399.1	1583.8	1767.6	1947.2	2113.9	2273.5
-50°	611.8	715.4	823.6	947.6	1082.7	1236.2	1399.1	1567.8	1734.4	1896.8	2048.9
-52.5°	558.1	641.2	740.3	843.7	957.8	1082.7	1222.8	1367.7	1520.2	1668.4	1813.6
-55°	502.8	577.5	657.7	748.6	843.7	947.6	1056.2	1182.7	1305.2	1441.6	1572.3
-57.5°	454.7	515.7	584.0	657.7	740.3	823.6	917.2	1007.8	1116.5	1225.1	1333.1
-60°	410.4	459.6	515.7	577.5	641.2	715.4	787.3	867.0	947.3	1025.0	1120.2
-62.5°	366.2	410.4	454.7	502.8	558.1	611.8	674.1	737.7	798.9	867.9	935.0
-65°	325.7	362.0	400.7	440.0	478.3	525.9	573.2	618.8	672.5	725.6	776.3
-67.5°	284.4	317.2	349.2	381.3	415.8	449.2	481.6	522.3	561.6	599.3	637.8
-70°	240.8	271.4	300.2	328.0	355.0	382.2	410.9	438.6	465.1	493.1	524.8
-72.5°	196.4	223.2	249.4	274.9	298.6	321.5	343.6	364.9	387.0	409.1	430.2
-75°	153.8	174.6	196.9	218.7	240.0	260.6	280.3	298.5	316.0	332.7	348.5
-77.5°	112.6	130.0	147.0	163.6	179.9	197.0	213.5	229.5	244.7	259.2	273.1
-80°	75.7	85.3	98.7	111.9	124.8	137.2	149.2	160.7	171.7	182.8	193.8
-82.5°	47.1	54.2	61.3	68.1	74.7	81.1	88.0	96.6	104.9	112.7	120.2
-85°	21.3	23.1	27.7	32.3	36.7	40.9	45.1	49.0	52.8	56.4	59.8
-87.5°	10.7	11.5	12.4	13.2	14.1	14.8	15.6	16.3	17.0	17.7	18.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645416 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-722-U-LAM-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°	18.9	19.5	20.0	20.5	20.9	21.3	21.7	22.0	22.3	22.6	22.7
85°	63.1	66.1	69.0	71.6	74.0	76.2	78.2	80.0	81.5	82.8	83.9
82.5°	127.3	134.0	140.2	145.9	151.2	156.1	160.4	164.3	167.6	170.5	172.8
80°	204.3	214.1	223.2	231.7	239.6	246.7	253.1	258.8	263.8	268.0	271.4
77.5°	285.7	297.5	308.4	318.6	327.9	336.5	344.2	351.0	356.9	362.0	366.1
75°	363.5	378.2	393.2	407.1	419.9	431.6	442.1	451.4	459.6	466.5	472.2
72.5°	450.1	468.9	487.7	509.1	528.9	546.9	563.1	577.5	590.1	600.8	609.5
70°	554.9	583.2	609.7	636.8	665.5	691.7	715.4	736.3	754.7	770.2	783.0
67.5°	680.8	721.3	759.3	794.6	831.3	867.0	899.2	927.8	952.7	973.9	991.4
65°	827.9	882.3	933.2	980.7	1025.0	1076.7	1123.4	1165.0	1201.3	1232.1	1257.5
62.5°	998.8	1069.6	1142.7	1210.8	1273.7	1335.8	1396.1	1449.9	1496.8	1536.7	1569.6
60°	1210.8	1296.5	1388.8	1475.9	1556.4	1630.2	1698.9	1760.1	1813.6	1859.2	1896.8
57.5°	1447.8	1556.4	1659.5	1757.8	1848.8	1932.2	2005.8	2070.1	2126.4	2174.5	2214.0
55°	1698.9	1820.5	1935.1	2038.8	2133.7	2220.8	2298.0	2360.4	2415.0	2461.6	2500.1
52.5°	1952.3	2078.6	2197.3	2305.7	2397.0	2480.9	2557.0	2619.5	2673.3	2719.3	2757.2
50°	2191.6	2322.3	2435.7	2542.0	2633.8	2715.8	2790.4	2854.1	2907.0	2952.2	2989.6
47.5°	2410.2	2539.0	2652.0	2755.3	2849.1	2929.2	3002.1	3066.7	3119.6	3164.9	3202.4
45°	2609.7	2734.2	2849.6	2949.9	3043.5	3124.2	3196.7	3261.9	3312.6	3355.3	3390.6
42.5°	2789.8	2913.2	3027.3	3128.6	3221.2	3301.9	3369.7	3430.7	3480.3	3520.2	3553.2
40°	2951.9	3077.9	3189.9	3292.3	3378.3	3457.5	3520.4	3577.1	3625.5	3663.4	3694.9
37.5°	3102.3	3227.1	3336.1	3434.1	3516.1	3589.8	3652.0	3705.8	3753.3	3788.5	3817.8
35°	3239.7	3358.3	3466.1	3555.9	3637.2	3706.6	3767.9	3817.5	3861.7	3895.2	3921.9
32.5°	3358.3	3476.0	3576.1	3664.5	3743.8	3808.6	3867.4	3912.9	3952.9	3985.2	4010.0
30°	3466.1	3576.1	3673.6	3761.2	3833.5	3896.6	3949.5	3993.9	4030.9	4061.7	4083.5
27.5°	3555.9	3664.5	3761.2	3841.9	3911.1	3971.8	4020.3	4063.0	4095.3	4123.7	4142.4
25°	3637.2	3743.8	3833.5	3911.1	3978.3	4033.7	4079.9	4118.6	4147.2	4171.4	4185.4
22.5°	3706.6	3808.6	3896.6	3971.8	4033.7	4085.6	4129.1	4161.8	4185.2	4199.9	4208.2
20°	3767.9	3867.4	3949.5	4020.3	4079.9	4129.1	4166.7	4191.0	4207.3	4211.3	4213.7
17.5°	3817.5	3912.9	3993.9	4063.0	4118.6	4161.8	4191.0	4208.1	4212.9	4212.1	4209.6
15°	3861.7	3952.9	4030.9	4095.3	4147.2	4185.2	4207.3	4212.9	4211.5	4206.6	4199.0
12.5°	3895.2	3985.2	4061.7	4123.7	4171.4	4199.9	4211.3	4212.1	4206.6	4197.2	4186.4
10°	3921.9	4010.0	4083.5	4142.4	4185.4	4208.2	4213.7	4209.6	4199.0	4186.4	4174.4
7.5°	3943.0	4029.7	4100.9	4157.4	4194.6	4210.7	4211.9	4204.3	4191.5	4177.2	4164.2
5°	3958.3	4043.9	4113.5	4168.3	4201.3	4212.6	4210.6	4200.1	4185.3	4170.3	4158.4
2.5°	3967.6	4052.6	4121.2	4175.0	4205.4	4213.7	4209.8	4197.5	4181.3	4165.8	4154.6
0°	3970.7	4055.5	4123.8	4177.2	4206.8	4214.1	4209.5	4196.6	4180.0	4164.3	4153.3
-2.5°	3967.6	4052.6	4121.2	4175.0	4205.4	4213.7	4209.8	4197.5	4181.3	4165.8	4154.6
-5°	3958.3	4043.9	4113.5	4168.3	4201.3	4212.6	4210.6	4200.1	4185.3	4170.3	4158.4
-7.5°	3943.0	4029.7	4100.9	4157.4	4194.6	4210.7	4211.9	4204.3	4191.5	4177.2	4164.2
-10°	3921.9	4010.0	4083.5	4142.4	4185.4	4208.2	4213.7	4209.6	4199.0	4186.4	4174.4
-12.5°	3895.2	3985.2	4061.7	4123.7	4171.4	4199.9	4211.3	4212.1	4206.6	4197.2	4186.4
-15°	3861.7	3952.9	4030.9	4095.3	4147.2	4185.2	4207.3	4212.9	4211.5	4206.6	4199.0
-17.5°	3817.5	3912.9	3993.9	4063.0	4118.6	4161.8	4191.0	4208.1	4212.9	4212.1	4209.6
-20°	3767.9	3867.4	3949.5	4020.3	4079.9	4129.1	4166.7	4191.0	4207.3	4211.3	4213.7



REPORT NUMBER: P645416 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-722-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3706.6	3808.6	3896.6	3971.8	4033.7	4085.6	4129.1	4161.8	4185.2	4199.9	4208.2
-25°	3637.2	3743.8	3833.5	3911.1	3978.3	4033.7	4079.9	4118.6	4147.2	4171.4	4185.4
-27.5°	3555.9	3664.5	3761.2	3841.9	3911.1	3971.8	4020.3	4063.0	4095.3	4123.7	4142.4
-30°	3466.1	3576.1	3673.6	3761.2	3833.5	3896.6	3949.5	3993.9	4030.9	4061.7	4083.5
-32.5°	3358.3	3476.0	3576.1	3664.5	3743.8	3808.6	3867.4	3912.9	3952.9	3985.2	4010.0
-35°	3239.7	3358.3	3466.1	3555.9	3637.2	3706.6	3767.9	3817.5	3861.7	3895.2	3921.9
-37.5°	3102.3	3227.1	3336.1	3434.1	3516.1	3589.8	3652.0	3705.8	3753.3	3788.5	3817.8
-40°	2951.9	3077.9	3189.9	3292.3	3378.3	3457.5	3520.4	3577.1	3625.5	3663.4	3694.9
-42.5°	2789.8	2913.2	3027.3	3128.6	3221.2	3301.9	3369.7	3430.7	3480.3	3520.2	3553.2
-45°	2609.7	2734.2	2849.6	2949.9	3043.5	3124.2	3196.7	3261.9	3312.6	3355.3	3390.6
-47.5°	2410.2	2539.0	2652.0	2755.3	2849.1	2929.2	3002.1	3066.7	3119.6	3164.9	3202.4
-50°	2191.6	2322.3	2435.7	2542.0	2633.8	2715.8	2790.4	2854.1	2907.0	2952.2	2989.6
-52.5°	1952.3	2078.6	2197.3	2305.7	2397.0	2480.9	2557.0	2619.5	2673.3	2719.3	2757.2
-55°	1698.9	1820.5	1935.1	2038.8	2133.7	2220.8	2298.0	2360.4	2415.0	2461.6	2500.1
-57.5°	1447.8	1556.4	1659.5	1757.8	1848.8	1932.2	2005.8	2070.1	2126.4	2174.5	2214.0
-60°	1210.8	1296.5	1388.8	1475.9	1556.4	1630.2	1698.9	1760.1	1813.6	1859.2	1896.8
-62.5°	998.8	1069.6	1142.7	1210.8	1273.7	1335.8	1396.1	1449.9	1496.8	1536.7	1569.6
-65°	827.9	882.3	933.2	980.7	1025.0	1076.7	1123.4	1165.0	1201.3	1232.1	1257.5
-67.5°	680.8	721.3	759.3	794.6	831.3	867.0	899.2	927.8	952.7	973.9	991.4
-70°	554.9	583.2	609.7	636.8	665.5	691.7	715.4	736.3	754.7	770.2	783.0
-72.5°	450.1	468.9	487.7	509.1	528.9	546.9	563.1	577.5	590.1	600.8	609.5
-75°	363.5	378.2	393.2	407.1	419.9	431.6	442.1	451.4	459.6	466.5	472.2
-77.5°	285.7	297.5	308.4	318.6	327.9	336.5	344.2	351.0	356.9	362.0	366.1
-80°	204.3	214.1	223.2	231.7	239.6	246.7	253.1	258.8	263.8	268.0	271.4
-82.5°	127.3	134.0	140.2	145.9	151.2	156.1	160.4	164.3	167.6	170.5	172.8
-85°	63.1	66.1	69.0	71.6	74.0	76.2	78.2	80.0	81.5	82.8	83.9
-87.5°	18.9	19.5	20.0	20.5	20.9	21.3	21.7	22.0	22.3	22.6	22.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645416 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-722-U-LAM-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°	22.9	23.0	23.1	23.1	23.1	23.0	22.9	22.7	22.6	22.3	22.0
85°	84.7	85.3	85.7	85.8	85.7	85.3	84.7	83.9	82.8	81.5	80.0
82.5°	174.6	176.0	176.7	177.0	176.7	176.0	174.6	172.8	170.5	167.6	164.3
80°	274.1	276.1	277.2	277.6	277.2	276.1	274.1	271.4	268.0	263.8	258.8
77.5°	369.3	371.6	373.0	373.5	373.0	371.6	369.3	366.1	362.0	356.9	351.0
75°	476.6	479.8	481.7	482.3	481.7	479.8	476.6	472.2	466.5	459.6	451.4
72.5°	616.4	621.3	624.2	625.2	624.2	621.3	616.4	609.5	600.8	590.1	577.5
70°	793.0	800.2	804.5	805.9	804.5	800.2	793.0	783.0	770.2	754.7	736.3
67.5°	1005.0	1014.8	1020.6	1022.6	1020.6	1014.8	1005.0	991.4	973.9	952.7	927.8
65°	1277.4	1291.6	1300.1	1303.0	1300.1	1291.6	1277.4	1257.5	1232.1	1201.3	1165.0
62.5°	1595.3	1613.7	1624.8	1628.5	1624.8	1613.7	1595.3	1569.6	1536.7	1496.8	1449.9
60°	1926.2	1947.2	1959.9	1964.1	1959.9	1947.2	1926.2	1896.8	1859.2	1813.6	1760.1
57.5°	2245.0	2267.2	2280.5	2285.0	2280.5	2267.2	2245.0	2214.0	2174.5	2126.4	2070.1
55°	2530.2	2551.8	2564.8	2569.1	2564.8	2551.8	2530.2	2500.1	2461.6	2415.0	2360.4
52.5°	2786.9	2808.3	2821.1	2825.4	2821.1	2808.3	2786.9	2757.2	2719.3	2673.3	2619.5
50°	3018.9	3040.0	3052.7	3056.9	3052.7	3040.0	3018.9	2989.6	2952.2	2907.0	2854.1
47.5°	3231.8	3252.9	3265.6	3269.9	3265.6	3252.9	3231.8	3202.4	3164.9	3119.6	3066.7
45°	3418.3	3438.2	3450.3	3454.3	3450.3	3438.2	3418.3	3390.6	3355.3	3312.6	3261.9
42.5°	3579.1	3597.8	3609.1	3612.9	3609.1	3597.8	3579.1	3553.2	3520.2	3480.3	3430.7
40°	3719.8	3737.7	3748.5	3752.1	3748.5	3737.7	3719.8	3694.9	3663.4	3625.5	3577.1
37.5°	3840.9	3857.6	3867.7	3871.1	3867.7	3857.6	3840.9	3817.8	3788.5	3753.3	3705.8
35°	3943.0	3958.3	3967.6	3970.7	3967.6	3958.3	3943.0	3921.9	3895.2	3861.7	3817.5
32.5°	4029.7	4043.9	4052.6	4055.5	4052.6	4043.9	4029.7	4010.0	3985.2	3952.9	3912.9
30°	4100.9	4113.5	4121.2	4123.8	4121.2	4113.5	4100.9	4083.5	4061.7	4030.9	3993.9
27.5°	4157.4	4168.3	4175.0	4177.2	4175.0	4168.3	4157.4	4142.4	4123.7	4095.3	4063.0
25°	4194.6	4201.3	4205.4	4206.8	4205.4	4201.3	4194.6	4185.4	4171.4	4147.2	4118.6
22.5°	4210.7	4212.6	4213.7	4214.1	4213.7	4212.6	4210.7	4208.2	4199.9	4185.2	4161.8
20°	4211.9	4210.6	4209.8	4209.5	4209.8	4210.6	4211.9	4213.7	4211.3	4207.3	4191.0
17.5°	4204.3	4200.1	4197.5	4196.6	4197.5	4200.1	4204.3	4209.6	4212.1	4212.9	4208.1
15°	4191.5	4185.3	4181.3	4180.0	4181.3	4185.3	4191.5	4199.0	4206.6	4211.5	4212.9
12.5°	4177.2	4170.3	4165.8	4164.3	4165.8	4170.3	4177.2	4186.4	4197.2	4206.6	4212.1
10°	4164.2	4158.4	4154.6	4153.3	4154.6	4158.4	4164.2	4174.4	4186.4	4199.0	4209.6
7.5°	4155.9	4150.7	4147.8	4146.8	4147.8	4150.7	4155.9	4164.2	4177.2	4191.5	4204.3
5°	4150.7	4145.5	4141.1	4139.4	4141.1	4145.5	4150.7	4158.4	4170.3	4185.3	4200.1
2.5°	4147.8	4141.1	4134.5	4131.1	4134.5	4141.1	4147.8	4154.6	4165.8	4181.3	4197.5
0°	4146.8	4139.4	4131.1	4132.1	4131.1	4139.4	4146.8	4153.3	4164.3	4180.0	4196.6
-2.5°	4147.8	4141.1	4134.5	4131.1	4134.5	4141.1	4147.8	4154.6	4165.8	4181.3	4197.5
-5°	4150.7	4145.5	4141.1	4139.4	4141.1	4145.5	4150.7	4158.4	4170.3	4185.3	4200.1
-7.5°	4155.9	4150.7	4147.8	4146.8	4147.8	4150.7	4155.9	4164.2	4177.2	4191.5	4204.3
-10°	4164.2	4158.4	4154.6	4153.3	4154.6	4158.4	4164.2	4174.4	4186.4	4199.0	4209.6
-12.5°	4177.2	4170.3	4165.8	4164.3	4165.8	4170.3	4177.2	4186.4	4197.2	4206.6	4212.1
-15°	4191.5	4185.3	4181.3	4180.0	4181.3	4185.3	4191.5	4199.0	4206.6	4211.5	4212.9
-17.5°	4204.3	4200.1	4197.5	4196.6	4197.5	4200.1	4204.3	4209.6	4212.1	4212.9	4208.1
-20°	4211.9	4210.6	4209.8	4209.5	4209.8	4210.6	4211.9	4213.7	4211.3	4207.3	4191.0



REPORT NUMBER: P645416 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-722-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4210.7	4212.6	4213.7	4214.1	4213.7	4212.6	4210.7	4208.2	4199.9	4185.2	4161.8
-25°	4194.6	4201.3	4205.4	4206.8	4205.4	4201.3	4194.6	4185.4	4171.4	4147.2	4118.6
-27.5°	4157.4	4168.3	4175.0	4177.2	4175.0	4168.3	4157.4	4142.4	4123.7	4095.3	4063.0
-30°	4100.9	4113.5	4121.2	4123.8	4121.2	4113.5	4100.9	4083.5	4061.7	4030.9	3993.9
-32.5°	4029.7	4043.9	4052.6	4055.5	4052.6	4043.9	4029.7	4010.0	3985.2	3952.9	3912.9
-35°	3943.0	3958.3	3967.6	3970.7	3967.6	3958.3	3943.0	3921.9	3895.2	3861.7	3817.5
-37.5°	3840.9	3857.6	3867.7	3871.1	3867.7	3857.6	3840.9	3817.8	3788.5	3753.3	3705.8
-40°	3719.8	3737.7	3748.5	3752.1	3748.5	3737.7	3719.8	3694.9	3663.4	3625.5	3577.1
-42.5°	3579.1	3597.8	3609.1	3612.9	3609.1	3597.8	3579.1	3553.2	3520.2	3480.3	3430.7
-45°	3418.3	3438.2	3450.3	3454.3	3450.3	3438.2	3418.3	3390.6	3355.3	3312.6	3261.9
-47.5°	3231.8	3252.9	3265.6	3269.9	3265.6	3252.9	3231.8	3202.4	3164.9	3119.6	3066.7
-50°	3018.9	3040.0	3052.7	3056.9	3052.7	3040.0	3018.9	2989.6	2952.2	2907.0	2854.1
-52.5°	2786.9	2808.3	2821.1	2825.4	2821.1	2808.3	2786.9	2757.2	2719.3	2673.3	2619.5
-55°	2530.2	2551.8	2564.8	2569.1	2564.8	2551.8	2530.2	2500.1	2461.6	2415.0	2360.4
-57.5°	2245.0	2267.2	2280.5	2285.0	2280.5	2267.2	2245.0	2214.0	2174.5	2126.4	2070.1
-60°	1926.2	1947.2	1959.9	1964.1	1959.9	1947.2	1926.2	1896.8	1859.2	1813.6	1760.1
-62.5°	1595.3	1613.7	1624.8	1628.5	1624.8	1613.7	1595.3	1569.6	1536.7	1496.8	1449.9
-65°	1277.4	1291.6	1300.1	1303.0	1300.1	1291.6	1277.4	1257.5	1232.1	1201.3	1165.0
-67.5°	1005.0	1014.8	1020.6	1022.6	1020.6	1014.8	1005.0	991.4	973.9	952.7	927.8
-70°	793.0	800.2	804.5	805.9	804.5	800.2	793.0	783.0	770.2	754.7	736.3
-72.5°	616.4	621.3	624.2	625.2	624.2	621.3	616.4	609.5	600.8	590.1	577.5
-75°	476.6	479.8	481.7	482.3	481.7	479.8	476.6	472.2	466.5	459.6	451.4
-77.5°	369.3	371.6	373.0	373.5	373.0	371.6	369.3	366.1	362.0	356.9	351.0
-80°	274.1	276.1	277.2	277.6	277.2	276.1	274.1	271.4	268.0	263.8	258.8
-82.5°	174.6	176.0	176.7	177.0	176.7	176.0	174.6	172.8	170.5	167.6	164.3
-85°	84.7	85.3	85.7	85.8	85.7	85.3	84.7	83.9	82.8	81.5	80.0
-87.5°	22.9	23.0	23.1	23.1	23.1	23.0	22.9	22.7	22.6	22.3	22.0
-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: P645416 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-722-U-LAM-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°	21.7	21.3	20.9	20.5	20.0	19.5	18.9	18.3	17.7	17.0	16.3
85°	78.2	76.2	74.0	71.6	69.0	66.1	63.1	59.8	56.4	52.8	49.0
82.5°	160.4	156.1	151.2	145.9	140.2	134.0	127.3	120.2	112.7	104.9	96.6
80°	253.1	246.7	239.6	231.7	223.2	214.1	204.3	193.8	182.8	171.7	160.7
77.5°	344.2	336.5	327.9	318.6	308.4	297.5	285.7	273.1	259.2	244.7	229.5
75°	442.1	431.6	419.9	407.1	393.2	378.2	363.5	348.5	332.7	316.0	298.5
72.5°	563.1	546.9	528.9	509.1	487.7	468.9	450.1	430.2	409.1	387.0	364.9
70°	715.4	691.7	665.5	636.8	609.7	583.2	554.9	524.8	493.1	465.1	438.6
67.5°	899.2	867.0	831.3	794.6	759.3	721.3	680.8	637.8	599.3	561.6	522.3
65°	1123.4	1076.7	1025.0	980.7	933.2	882.3	827.9	776.3	725.6	672.5	618.8
62.5°	1396.1	1335.8	1273.7	1210.8	1142.7	1069.6	998.8	935.0	867.9	798.9	737.7
60°	1698.9	1630.2	1556.4	1475.9	1388.8	1296.5	1210.8	1120.2	1025.0	947.3	867.0
57.5°	2005.8	1932.2	1848.8	1757.8	1659.5	1556.4	1447.8	1333.1	1225.1	1116.5	1007.8
55°	2298.0	2220.8	2133.7	2038.8	1935.1	1820.5	1698.9	1572.3	1441.6	1305.2	1182.7
52.5°	2557.0	2480.9	2397.0	2305.7	2197.3	2078.6	1952.3	1813.6	1668.4	1520.2	1367.7
50°	2790.4	2715.8	2633.8	2542.0	2435.7	2322.3	2191.6	2048.9	1896.8	1734.4	1567.8
47.5°	3002.1	2929.2	2849.1	2755.3	2652.0	2539.0	2410.2	2273.5	2113.9	1947.2	1767.6
45°	3196.7	3124.2	3043.5	2949.9	2849.6	2734.2	2609.7	2469.5	2318.8	2146.6	1964.1
42.5°	3369.7	3301.9	3221.2	3128.6	3027.3	2913.2	2789.8	2650.9	2499.5	2333.6	2146.6
40°	3520.4	3457.5	3378.3	3292.3	3189.9	3077.9	2951.9	2817.9	2664.6	2499.5	2318.8
37.5°	3652.0	3589.8	3516.1	3434.1	3336.1	3227.1	3102.3	2964.9	2817.9	2650.9	2469.5
35°	3767.9	3706.6	3637.2	3555.9	3466.1	3358.3	3239.7	3102.3	2951.9	2789.8	2609.7
32.5°	3867.4	3808.6	3743.8	3664.5	3576.1	3476.0	3358.3	3227.1	3077.9	2913.2	2734.2
30°	3949.5	3896.6	3833.5	3761.2	3673.6	3576.1	3466.1	3336.1	3189.9	3027.3	2849.6
27.5°	4020.3	3971.8	3911.1	3841.9	3761.2	3664.5	3555.9	3434.1	3292.3	3128.6	2949.9
25°	4079.9	4033.7	3978.3	3911.1	3833.5	3743.8	3637.2	3516.1	3378.3	3221.2	3043.5
22.5°	4129.1	4085.6	4033.7	3971.8	3896.6	3808.6	3706.6	3589.8	3457.5	3301.9	3124.2
20°	4166.7	4129.1	4079.9	4020.3	3949.5	3867.4	3767.9	3652.0	3520.4	3369.7	3196.7
17.5°	4191.0	4161.8	4118.6	4063.0	3993.9	3912.9	3817.5	3705.8	3577.1	3430.7	3261.9
15°	4207.3	4185.2	4147.2	4095.3	4030.9	3952.9	3861.7	3753.3	3625.5	3480.3	3312.6
12.5°	4211.3	4199.9	4171.4	4123.7	4061.7	3985.2	3895.2	3788.5	3663.4	3520.2	3355.3
10°	4213.7	4208.2	4185.4	4142.4	4083.5	4010.0	3921.9	3817.8	3694.9	3553.2	3390.6
7.5°	4211.9	4210.7	4194.6	4157.4	4100.9	4029.7	3943.0	3840.9	3719.8	3579.1	3418.3
5°	4210.6	4212.6	4201.3	4168.3	4113.5	4043.9	3958.3	3857.6	3737.7	3597.8	3438.2
2.5°	4209.8	4213.7	4205.4	4175.0	4121.2	4052.6	3967.6	3867.7	3748.5	3609.1	3450.3
0°	4209.5	4214.1	4206.8	4177.2	4123.8	4055.5	3970.7	3871.1	3752.1	3612.9	3454.3
-2.5°	4209.8	4213.7	4205.4	4175.0	4121.2	4052.6	3967.6	3867.7	3748.5	3609.1	3450.3
-5°	4210.6	4212.6	4201.3	4168.3	4113.5	4043.9	3958.3	3857.6	3737.7	3597.8	3438.2
-7.5°	4211.9	4210.7	4194.6	4157.4	4100.9	4029.7	3943.0	3840.9	3719.8	3579.1	3418.3
-10°	4213.7	4208.2	4185.4	4142.4	4083.5	4010.0	3921.9	3817.8	3694.9	3553.2	3390.6
-12.5°	4211.3	4199.9	4171.4	4123.7	4061.7	3985.2	3895.2	3788.5	3663.4	3520.2	3355.3
-15°	4207.3	4185.2	4147.2	4095.3	4030.9	3952.9	3861.7	3753.3	3625.5	3480.3	3312.6
-17.5°	4191.0	4161.8	4118.6	4063.0	3993.9	3912.9	3817.5	3705.8	3577.1	3430.7	3261.9
-20°	4166.7	4129.1	4079.9	4020.3	3949.5	3867.4	3767.9	3652.0	3520.4	3369.7	3196.7

Classified

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

Scaled Data Report



REPORT NUMBER: P645416 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4129.1	4085.6	4033.7	3971.8	3896.6	3808.6	3706.6	3589.8	3457.5	3301.9	3124.2
-25°	4079.9	4033.7	3978.3	3911.1	3833.5	3743.8	3637.2	3516.1	3378.3	3221.2	3043.5
-27.5°	4020.3	3971.8	3911.1	3841.9	3761.2	3664.5	3555.9	3434.1	3292.3	3128.6	2949.9
-30°	3949.5	3896.6	3833.5	3761.2	3673.6	3576.1	3466.1	3336.1	3189.9	3027.3	2849.6
-32.5°	3867.4	3808.6	3743.8	3664.5	3576.1	3476.0	3358.3	3227.1	3077.9	2913.2	2734.2
-35°	3767.9	3706.6	3637.2	3555.9	3466.1	3358.3	3239.7	3102.3	2951.9	2789.8	2609.7
-37.5°	3652.0	3589.8	3516.1	3434.1	3336.1	3227.1	3102.3	2964.9	2817.9	2650.9	2469.5
-40°	3520.4	3457.5	3378.3	3292.3	3189.9	3077.9	2951.9	2817.9	2664.6	2499.5	2318.8
-42.5°	3369.7	3301.9	3221.2	3128.6	3027.3	2913.2	2789.8	2650.9	2499.5	2333.6	2146.6
-45°	3196.7	3124.2	3043.5	2949.9	2849.6	2734.2	2609.7	2469.5	2318.8	2146.6	1964.1
-47.5°	3002.1	2929.2	2849.1	2755.3	2652.0	2539.0	2410.2	2273.5	2113.9	1947.2	1767.6
-50°	2790.4	2715.8	2633.8	2542.0	2435.7	2322.3	2191.6	2048.9	1896.8	1734.4	1567.8
-52.5°	2557.0	2480.9	2397.0	2305.7	2197.3	2078.6	1952.3	1813.6	1668.4	1520.2	1367.7
-55°	2298.0	2220.8	2133.7	2038.8	1935.1	1820.5	1698.9	1572.3	1441.6	1305.2	1182.7
-57.5°	2005.8	1932.2	1848.8	1757.8	1659.5	1556.4	1447.8	1333.1	1225.1	1116.5	1007.8
-60°	1698.9	1630.2	1556.4	1475.9	1388.8	1296.5	1210.8	1120.2	1025.0	947.3	867.0
-62.5°	1396.1	1335.8	1273.7	1210.8	1142.7	1069.6	998.8	935.0	867.9	798.9	737.7
-65°	1123.4	1076.7	1025.0	980.7	933.2	882.3	827.9	776.3	725.6	672.5	618.8
-67.5°	899.2	867.0	831.3	794.6	759.3	721.3	680.8	637.8	599.3	561.6	522.3
-70°	715.4	691.7	665.5	636.8	609.7	583.2	554.9	524.8	493.1	465.1	438.6
-72.5°	563.1	546.9	528.9	509.1	487.7	468.9	450.1	430.2	409.1	387.0	364.9
-75°	442.1	431.6	419.9	407.1	393.2	378.2	363.5	348.5	332.7	316.0	298.5
-77.5°	344.2	336.5	327.9	318.6	308.4	297.5	285.7	273.1	259.2	244.7	229.5
-80°	253.1	246.7	239.6	231.7	223.2	214.1	204.3	193.8	182.8	171.7	160.7
-82.5°	160.4	156.1	151.2	145.9	140.2	134.0	127.3	120.2	112.7	104.9	96.6
-85°	78.2	76.2	74.0	71.6	69.0	66.1	63.1	59.8	56.4	52.8	49.0
-87.5°	21.7	21.3	20.9	20.5	20.0	19.5	18.9	18.3	17.7	17.0	16.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P645416 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-722-U-LAM-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°	15.6	14.8	14.1	13.2	12.4	11.5	10.7	9.8	8.8	7.9	6.9
85°	45.1	40.9	36.7	32.3	27.7	23.1	21.3	19.5	17.7	15.8	13.9
82.5°	88.0	81.1	74.7	68.1	61.3	54.2	47.1	39.7	32.2	24.6	20.8
80°	149.2	137.2	124.8	111.9	98.7	85.3	75.7	66.0	56.0	45.8	35.5
77.5°	213.5	197.0	179.9	163.6	147.0	130.0	112.6	94.9	79.6	66.9	54.0
75°	280.3	260.6	240.0	218.7	196.9	174.6	153.8	132.5	110.8	88.7	72.4
72.5°	343.6	321.5	298.6	274.9	249.4	223.2	196.4	169.7	144.5	118.7	92.7
70°	410.9	382.2	355.0	328.0	300.2	271.4	240.8	209.6	177.8	148.5	118.7
67.5°	481.6	449.2	415.8	381.3	349.2	317.2	284.4	249.7	214.1	177.8	144.5
65°	573.2	525.9	478.3	440.0	400.7	362.0	325.7	288.7	249.7	209.6	169.7
62.5°	674.1	611.8	558.1	502.8	454.7	410.4	366.2	325.7	284.4	240.8	196.4
60°	787.3	715.4	641.2	577.5	515.7	459.6	410.4	362.0	317.2	271.4	223.2
57.5°	917.2	823.6	740.3	657.7	584.0	515.7	454.7	400.7	349.2	300.2	249.4
55°	1056.2	947.6	843.7	748.6	657.7	577.5	502.8	440.0	381.3	328.0	274.9
52.5°	1222.8	1082.7	957.8	843.7	740.3	641.2	558.1	478.3	415.8	355.0	298.6
50°	1399.1	1236.2	1082.7	947.6	823.6	715.4	611.8	525.9	449.2	382.2	321.5
47.5°	1583.8	1399.1	1222.8	1056.2	917.2	787.3	674.1	573.2	481.6	410.9	343.6
45°	1767.6	1567.8	1367.7	1182.7	1007.8	867.0	737.7	618.8	522.3	438.6	364.9
42.5°	1947.2	1734.4	1520.2	1305.2	1116.5	947.3	798.9	672.5	561.6	465.1	387.0
40°	2113.9	1896.8	1668.4	1441.6	1225.1	1025.0	867.9	725.6	599.3	493.1	409.1
37.5°	2273.5	2048.9	1813.6	1572.3	1333.1	1120.2	935.0	776.3	637.8	524.8	430.2
35°	2410.2	2191.6	1952.3	1698.9	1447.8	1210.8	998.8	827.9	680.8	554.9	450.1
32.5°	2539.0	2322.3	2078.6	1820.5	1556.4	1296.5	1069.6	882.3	721.3	583.2	468.9
30°	2652.0	2435.7	2197.3	1935.1	1659.5	1388.8	1142.7	933.2	759.3	609.7	487.7
27.5°	2755.3	2542.0	2305.7	2038.8	1757.8	1475.9	1210.8	980.7	794.6	636.8	509.1
25°	2849.1	2633.8	2397.0	2133.7	1848.8	1556.4	1273.7	1025.0	831.3	665.5	528.9
22.5°	2929.2	2715.8	2480.9	2220.8	1932.2	1630.2	1335.8	1076.7	867.0	691.7	546.9
20°	3002.1	2790.4	2557.0	2298.0	2005.8	1698.9	1396.1	1123.4	899.2	715.4	563.1
17.5°	3066.7	2854.1	2619.5	2360.4	2070.1	1760.1	1449.9	1165.0	927.8	736.3	577.5
15°	3119.6	2907.0	2673.3	2415.0	2126.4	1813.6	1496.8	1201.3	952.7	754.7	590.1
12.5°	3164.9	2952.2	2719.3	2461.6	2174.5	1859.2	1536.7	1232.1	973.9	770.2	600.8
10°	3202.4	2989.6	2757.2	2500.1	2214.0	1896.8	1569.6	1257.5	991.4	783.0	609.5
7.5°	3231.8	3018.9	2786.9	2530.2	2245.0	1926.2	1595.3	1277.4	1005.0	793.0	616.4
5°	3252.9	3040.0	2808.3	2551.8	2267.2	1947.2	1613.7	1291.6	1014.8	800.2	621.3
2.5°	3265.6	3052.7	2821.1	2564.8	2280.5	1959.9	1624.8	1300.1	1020.6	804.5	624.2
0°	3269.9	3056.9	2825.4	2569.1	2285.0	1964.1	1628.5	1303.0	1022.6	805.9	625.2
-2.5°	3265.6	3052.7	2821.1	2564.8	2280.5	1959.9	1624.8	1300.1	1020.6	804.5	624.2
-5°	3252.9	3040.0	2808.3	2551.8	2267.2	1947.2	1613.7	1291.6	1014.8	800.2	621.3
-7.5°	3231.8	3018.9	2786.9	2530.2	2245.0	1926.2	1595.3	1277.4	1005.0	793.0	616.4
-10°	3202.4	2989.6	2757.2	2500.1	2214.0	1896.8	1569.6	1257.5	991.4	783.0	609.5
-12.5°	3164.9	2952.2	2719.3	2461.6	2174.5	1859.2	1536.7	1232.1	973.9	770.2	600.8
-15°	3119.6	2907.0	2673.3	2415.0	2126.4	1813.6	1496.8	1201.3	952.7	754.7	590.1
-17.5°	3066.7	2854.1	2619.5	2360.4	2070.1	1760.1	1449.9	1165.0	927.8	736.3	577.5
-20°	3002.1	2790.4	2557.0	2298.0	2005.8	1698.9	1396.1	1123.4	899.2	715.4	563.1

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

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2929.2	2715.8	2480.9	2220.8	1932.2	1630.2	1335.8	1076.7	867.0	691.7	546.9
-25°	2849.1	2633.8	2397.0	2133.7	1848.8	1556.4	1273.7	1025.0	831.3	665.5	528.9
-27.5°	2755.3	2542.0	2305.7	2038.8	1757.8	1475.9	1210.8	980.7	794.6	636.8	509.1
-30°	2652.0	2435.7	2197.3	1935.1	1659.5	1388.8	1142.7	933.2	759.3	609.7	487.7
-32.5°	2539.0	2322.3	2078.6	1820.5	1556.4	1296.5	1069.6	882.3	721.3	583.2	468.9
-35°	2410.2	2191.6	1952.3	1698.9	1447.8	1210.8	998.8	827.9	680.8	554.9	450.1
-37.5°	2273.5	2048.9	1813.6	1572.3	1333.1	1120.2	935.0	776.3	637.8	524.8	430.2
-40°	2113.9	1896.8	1668.4	1441.6	1225.1	1025.0	867.9	725.6	599.3	493.1	409.1
-42.5°	1947.2	1734.4	1520.2	1305.2	1116.5	947.3	798.9	672.5	561.6	465.1	387.0
-45°	1767.6	1567.8	1367.7	1182.7	1007.8	867.0	737.7	618.8	522.3	438.6	364.9
-47.5°	1583.8	1399.1	1222.8	1056.2	917.2	787.3	674.1	573.2	481.6	410.9	343.6
-50°	1399.1	1236.2	1082.7	947.6	823.6	715.4	611.8	525.9	449.2	382.2	321.5
-52.5°	1222.8	1082.7	957.8	843.7	740.3	641.2	558.1	478.3	415.8	355.0	298.6
-55°	1056.2	947.6	843.7	748.6	657.7	577.5	502.8	440.0	381.3	328.0	274.9
-57.5°	917.2	823.6	740.3	657.7	584.0	515.7	454.7	400.7	349.2	300.2	249.4
-60°	787.3	715.4	641.2	577.5	515.7	459.6	410.4	362.0	317.2	271.4	223.2
-62.5°	674.1	611.8	558.1	502.8	454.7	410.4	366.2	325.7	284.4	240.8	196.4
-65°	573.2	525.9	478.3	440.0	400.7	362.0	325.7	288.7	249.7	209.6	169.7
-67.5°	481.6	449.2	415.8	381.3	349.2	317.2	284.4	249.7	214.1	177.8	144.5
-70°	410.9	382.2	355.0	328.0	300.2	271.4	240.8	209.6	177.8	148.5	118.7
-72.5°	343.6	321.5	298.6	274.9	249.4	223.2	196.4	169.7	144.5	118.7	92.7
-75°	280.3	260.6	240.0	218.7	196.9	174.6	153.8	132.5	110.8	88.7	72.4
-77.5°	213.5	197.0	179.9	163.6	147.0	130.0	112.6	94.9	79.6	66.9	54.0
-80°	149.2	137.2	124.8	111.9	98.7	85.3	75.7	66.0	56.0	45.8	35.5
-82.5°	88.0	81.1	74.7	68.1	61.3	54.2	47.1	39.7	32.2	24.6	20.8
-85°	45.1	40.9	36.7	32.3	27.7	23.1	21.3	19.5	17.7	15.8	13.9
-87.5°	15.6	14.8	14.1	13.2	12.4	11.5	10.7	9.8	8.8	7.9	6.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: GFLD-SA3C-722-U-LAM-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°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
85°	11.9	10.0	8.0	6.0	4.0	2.0	0.0
82.5°	17.9	15.0	12.0	9.0	6.0	3.0	0.0
80°	25.0	19.9	16.0	12.0	8.0	4.0	0.0
77.5°	40.9	27.7	19.9	15.0	10.0	5.0	0.0
75°	56.7	40.9	25.0	17.9	11.9	6.0	0.0
72.5°	72.4	54.0	35.5	20.8	13.9	6.9	0.0
70°	88.7	66.9	45.8	24.6	15.8	7.9	0.0
67.5°	110.8	79.6	56.0	32.2	17.7	8.8	0.0
65°	132.5	94.9	66.0	39.7	19.5	9.8	0.0
62.5°	153.8	112.6	75.7	47.1	21.3	10.7	0.0
60°	174.6	130.0	85.3	54.2	23.1	11.5	0.0
57.5°	196.9	147.0	98.7	61.3	27.7	12.4	0.0
55°	218.7	163.6	111.9	68.1	32.3	13.2	0.0
52.5°	240.0	179.9	124.8	74.7	36.7	14.1	0.0
50°	260.6	197.0	137.2	81.1	40.9	14.8	0.0
47.5°	280.3	213.5	149.2	88.0	45.1	15.6	0.0
45°	298.5	229.5	160.7	96.6	49.0	16.3	0.0
42.5°	316.0	244.7	171.7	104.9	52.8	17.0	0.0
40°	332.7	259.2	182.8	112.7	56.4	17.7	0.0
37.5°	348.5	273.1	193.8	120.2	59.8	18.3	0.0
35°	363.5	285.7	204.3	127.3	63.1	18.9	0.0
32.5°	378.2	297.5	214.1	134.0	66.1	19.5	0.0
30°	393.2	308.4	223.2	140.2	69.0	20.0	0.0
27.5°	407.1	318.6	231.7	145.9	71.6	20.5	0.0
25°	419.9	327.9	239.6	151.2	74.0	20.9	0.0
22.5°	431.6	336.5	246.7	156.1	76.2	21.3	0.0
20°	442.1	344.2	253.1	160.4	78.2	21.7	0.0
17.5°	451.4	351.0	258.8	164.3	80.0	22.0	0.0
15°	459.6	356.9	263.8	167.6	81.5	22.3	0.0
12.5°	466.5	362.0	268.0	170.5	82.8	22.6	0.0
10°	472.2	366.1	271.4	172.8	83.9	22.7	0.0
7.5°	476.6	369.3	274.1	174.6	84.7	22.9	0.0
5°	479.8	371.6	276.1	176.0	85.3	23.0	0.0
2.5°	481.7	373.0	277.2	176.7	85.7	23.1	0.0
0°	482.3	373.5	277.6	177.0	85.8	23.1	0.0
-2.5°	481.7	373.0	277.2	176.7	85.7	23.1	0.0
-5°	479.8	371.6	276.1	176.0	85.3	23.0	0.0
-7.5°	476.6	369.3	274.1	174.6	84.7	22.9	0.0
-10°	472.2	366.1	271.4	172.8	83.9	22.7	0.0
-12.5°	466.5	362.0	268.0	170.5	82.8	22.6	0.0
-15°	459.6	356.9	263.8	167.6	81.5	22.3	0.0
-17.5°	451.4	351.0	258.8	164.3	80.0	22.0	0.0
-20°	442.1	344.2	253.1	160.4	78.2	21.7	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	431.6	336.5	246.7	156.1	76.2	21.3	0.0
-25°	419.9	327.9	239.6	151.2	74.0	20.9	0.0
-27.5°	407.1	318.6	231.7	145.9	71.6	20.5	0.0
-30°	393.2	308.4	223.2	140.2	69.0	20.0	0.0
-32.5°	378.2	297.5	214.1	134.0	66.1	19.5	0.0
-35°	363.5	285.7	204.3	127.3	63.1	18.9	0.0
-37.5°	348.5	273.1	193.8	120.2	59.8	18.3	0.0
-40°	332.7	259.2	182.8	112.7	56.4	17.7	0.0
-42.5°	316.0	244.7	171.7	104.9	52.8	17.0	0.0
-45°	298.5	229.5	160.7	96.6	49.0	16.3	0.0
-47.5°	280.3	213.5	149.2	88.0	45.1	15.6	0.0
-50°	260.6	197.0	137.2	81.1	40.9	14.8	0.0
-52.5°	240.0	179.9	124.8	74.7	36.7	14.1	0.0
-55°	218.7	163.6	111.9	68.1	32.3	13.2	0.0
-57.5°	196.9	147.0	98.7	61.3	27.7	12.4	0.0
-60°	174.6	130.0	85.3	54.2	23.1	11.5	0.0
-62.5°	153.8	112.6	75.7	47.1	21.3	10.7	0.0
-65°	132.5	94.9	66.0	39.7	19.5	9.8	0.0
-67.5°	110.8	79.6	56.0	32.2	17.7	8.8	0.0
-70°	88.7	66.9	45.8	24.6	15.8	7.9	0.0
-72.5°	72.4	54.0	35.5	20.8	13.9	6.9	0.0
-75°	56.7	40.9	25.0	17.9	11.9	6.0	0.0
-77.5°	40.9	27.7	19.9	15.0	10.0	5.0	0.0
-80°	25.0	19.9	16.0	12.0	8.0	4.0	0.0
-82.5°	17.9	15.0	12.0	9.0	6.0	3.0	0.0
-85°	11.9	10.0	8.0	6.0	4.0	2.0	0.0
-87.5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)