

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: P645392 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA2E-722-U-LAM-XX**

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P645392 (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-SA2E-722-U-LAM-XX  
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

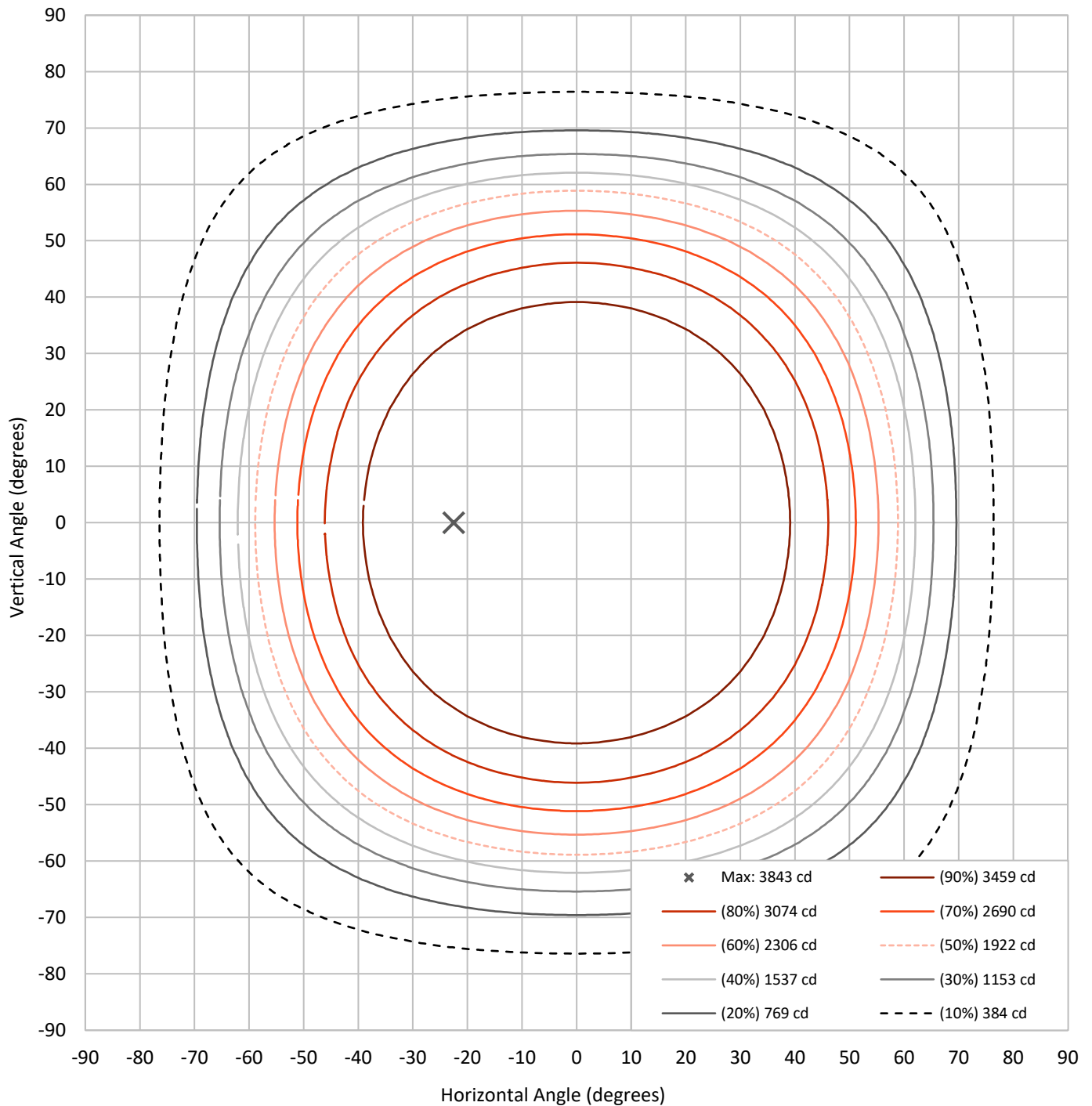
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	11755.9 lumens	Max Intensity:	3843 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	93.5 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	9783.5 lumens	Field Lumens:	11524.7 lumens
Beam Efficiency:	83.2%	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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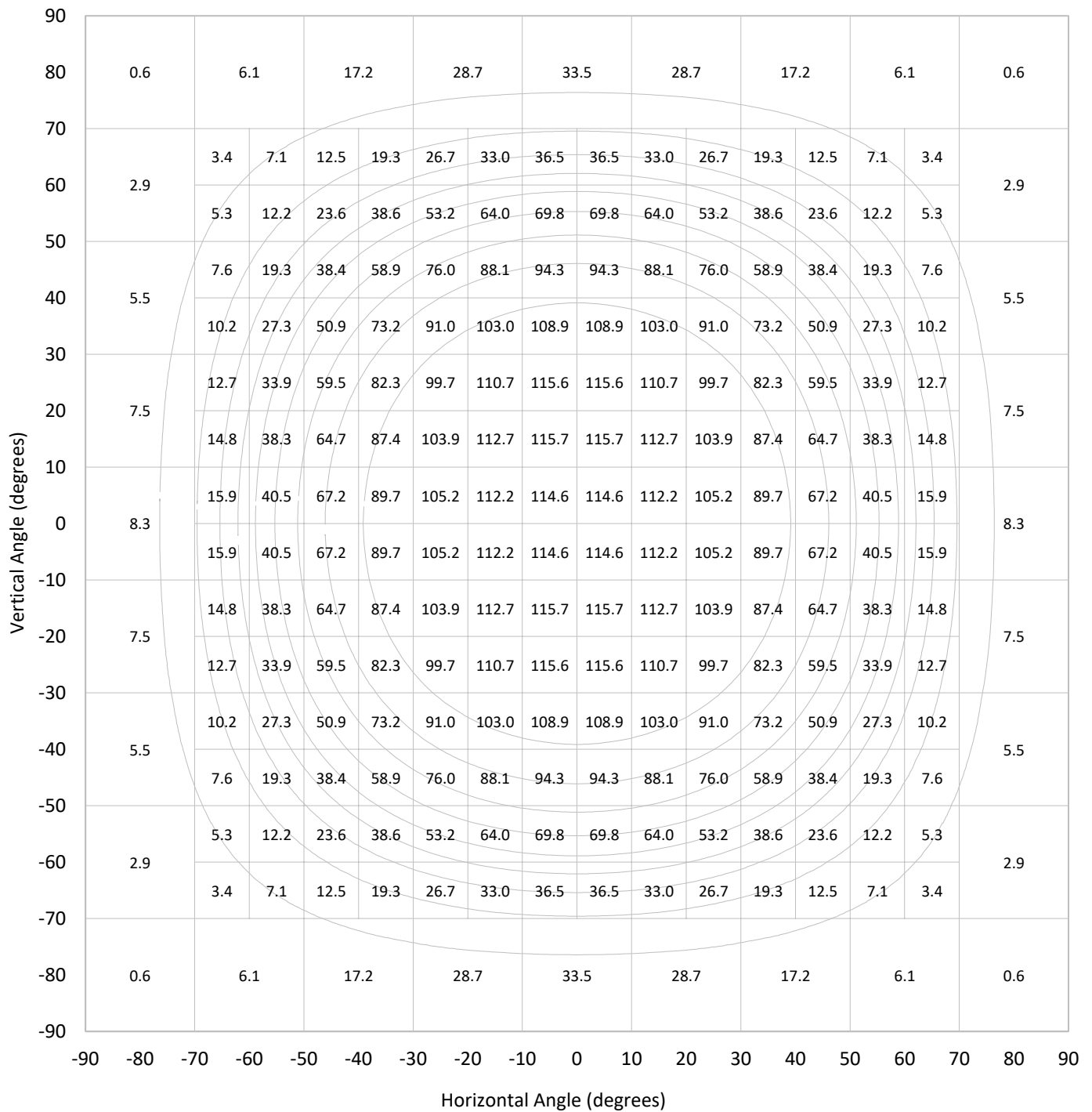
### Iso-Candela Plot





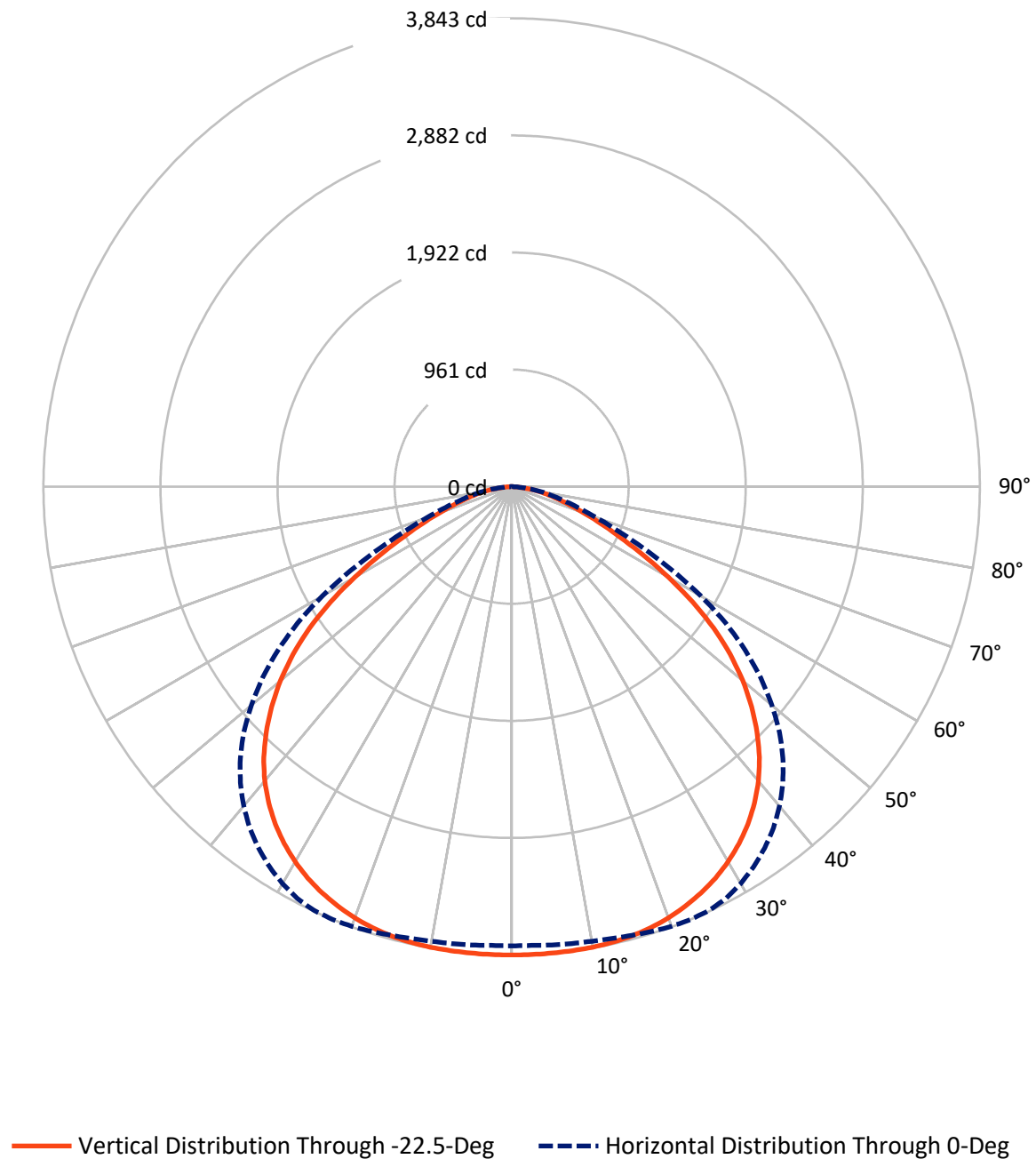
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### Lumen Table



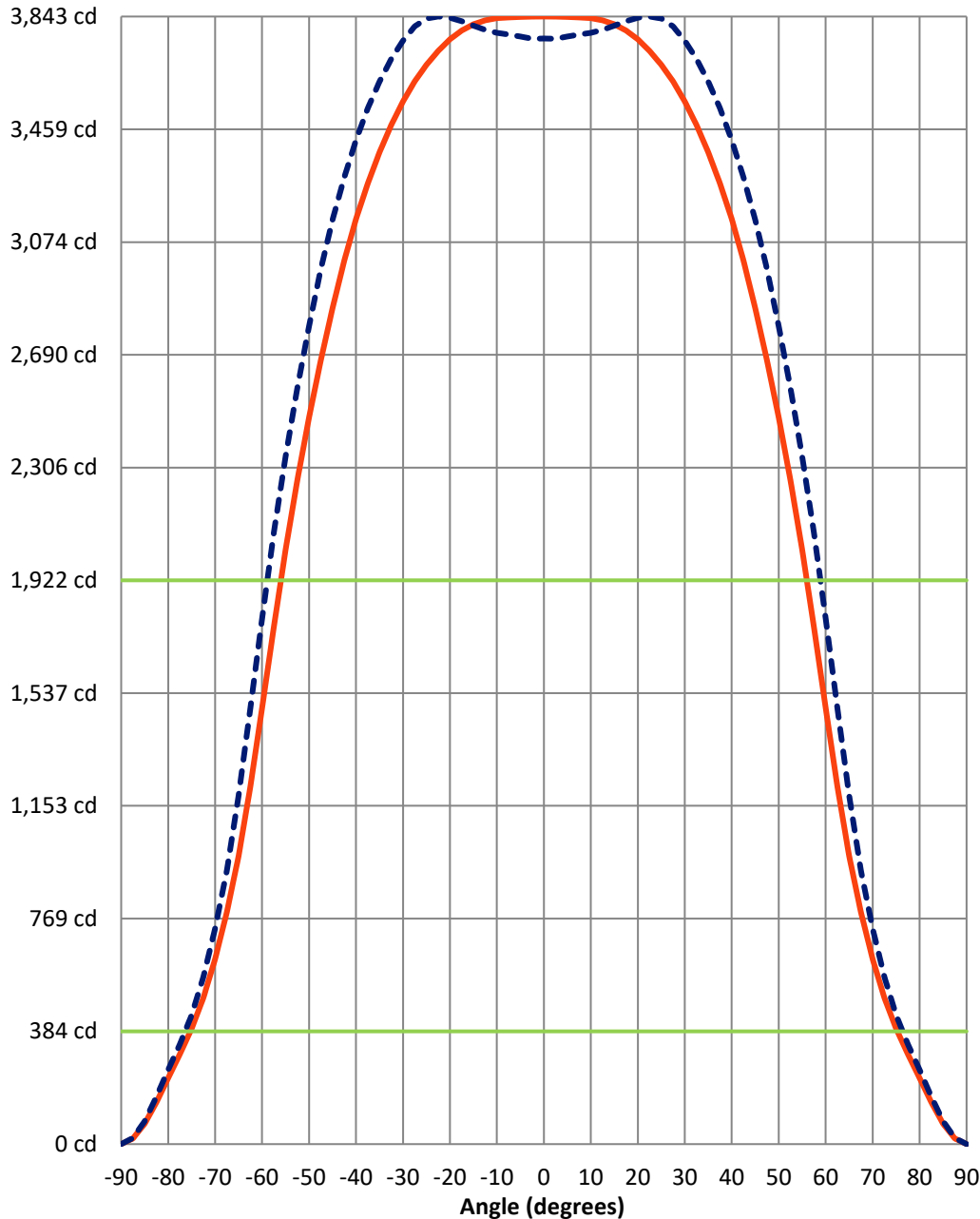
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 9783.5  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 11524.7  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 231.2  
 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	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.0	8.9
85°	0.0	1.8	3.7	5.5	7.3	9.1	10.9	12.6	14.3	16.1	17.7
82.5°	0.0	2.7	5.5	8.2	10.9	13.6	16.3	18.9	22.3	29.3	36.2
80°	0.0	3.6	7.3	10.9	14.5	18.1	22.7	32.3	41.7	51.0	60.1
77.5°	0.0	4.5	9.1	13.6	18.1	25.2	37.3	49.2	60.9	72.5	86.5
75°	0.0	5.4	10.9	16.3	22.7	37.3	51.7	65.9	80.8	101.0	120.8
72.5°	0.0	6.3	12.6	18.9	32.3	49.2	65.9	84.5	108.3	131.8	154.9
70°	0.0	7.2	14.3	22.3	41.7	60.9	80.8	108.3	135.4	162.3	191.2
67.5°	0.0	8.0	16.1	29.3	51.0	72.5	101.0	131.8	162.3	195.2	227.7
65°	0.0	8.9	17.7	36.2	60.1	86.5	120.8	154.9	191.2	227.7	263.2
62.5°	0.0	9.7	19.4	42.9	69.0	102.7	140.3	179.1	219.6	259.3	297.0
60°	0.0	10.5	21.0	49.4	77.8	118.6	159.3	203.5	247.5	289.2	330.1
57.5°	0.0	11.3	25.2	55.8	90.0	134.1	179.6	227.4	273.7	318.4	365.4
55°	0.0	12.0	29.4	62.0	102.1	149.2	199.5	250.6	299.1	347.7	401.2
52.5°	0.0	12.8	33.4	68.1	113.8	164.1	218.9	272.3	323.7	379.2	436.2
50°	0.0	13.5	37.3	73.9	125.1	179.7	237.6	293.2	348.5	409.6	479.6
47.5°	0.0	14.2	41.0	80.2	136.1	194.8	255.6	313.4	374.7	439.1	522.7
45°	0.0	14.8	44.6	88.1	146.6	209.3	272.2	332.8	399.9	476.3	564.2
42.5°	0.0	15.5	48.1	95.6	156.7	223.1	288.1	352.9	424.1	512.2	613.3
40°	0.0	16.1	51.4	102.8	166.8	236.4	303.3	373.1	449.6	546.5	661.8
37.5°	0.0	16.7	54.5	109.6	176.8	249.0	317.8	392.3	478.6	581.6	708.0
35°	0.0	17.2	57.5	116.1	186.3	260.5	331.5	410.4	506.0	620.8	755.1
32.5°	0.0	17.7	60.2	122.2	195.3	271.2	344.9	427.6	531.8	657.8	804.7
30°	0.0	18.2	62.8	127.9	203.6	281.2	358.6	444.7	556.0	692.4	851.1
27.5°	0.0	18.6	65.2	133.1	211.3	290.5	371.2	464.3	580.7	724.6	894.4
25°	0.0	19.0	67.5	138.0	218.5	299.0	382.9	482.3	606.9	758.2	934.7
22.5°	0.0	19.4	69.5	142.4	225.0	306.8	393.6	498.7	630.8	790.7	981.9
20°	0.0	19.7	71.3	146.4	230.8	313.8	403.1	513.5	652.4	820.0	1024.5
17.5°	0.0	20.0	72.9	149.9	236.0	320.0	411.7	526.6	671.5	846.1	1062.4
15°	0.0	20.3	74.3	152.9	240.5	325.5	419.1	538.1	688.2	868.9	1095.5
12.5°	0.0	20.5	75.5	155.5	244.3	330.1	425.4	547.8	702.4	888.2	1123.6
10°	0.0	20.7	76.5	157.7	247.5	333.8	430.6	555.8	714.1	904.1	1146.8
7.5°	0.0	20.8	77.2	159.3	249.9	336.8	434.6	562.0	723.2	916.6	1164.9
5°	0.0	20.9	77.8	160.5	251.7	338.9	437.5	566.5	729.8	925.5	1177.8
2.5°	0.0	21.0	78.1	161.3	252.7	340.2	439.2	569.2	733.7	930.8	1185.6
0°	0.0	21.0	78.2	161.5	253.1	340.6	439.8	570.1	735.0	932.6	1188.2
-2.5°	0.0	21.0	78.1	161.3	252.7	340.2	439.2	569.2	733.7	930.8	1185.6
-5°	0.0	20.9	77.8	160.5	251.7	338.9	437.5	566.5	729.8	925.5	1177.8
-7.5°	0.0	20.8	77.2	159.3	249.9	336.8	434.6	562.0	723.2	916.6	1164.9
-10°	0.0	20.7	76.5	157.7	247.5	333.8	430.6	555.8	714.1	904.1	1146.8
-12.5°	0.0	20.5	75.5	155.5	244.3	330.1	425.4	547.8	702.4	888.2	1123.6
-15°	0.0	20.3	74.3	152.9	240.5	325.5	419.1	538.1	688.2	868.9	1095.5
-17.5°	0.0	20.0	72.9	149.9	236.0	320.0	411.7	526.6	671.5	846.1	1062.4
-20°	0.0	19.7	71.3	146.4	230.8	313.8	403.1	513.5	652.4	820.0	1024.5

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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	19.4	69.5	142.4	225.0	306.8	393.6	498.7	630.8	790.7	981.9
-25°	0.0	19.0	67.5	138.0	218.5	299.0	382.9	482.3	606.9	758.2	934.7
-27.5°	0.0	18.6	65.2	133.1	211.3	290.5	371.2	464.3	580.7	724.6	894.4
-30°	0.0	18.2	62.8	127.9	203.6	281.2	358.6	444.7	556.0	692.4	851.1
-32.5°	0.0	17.7	60.2	122.2	195.3	271.2	344.9	427.6	531.8	657.8	804.7
-35°	0.0	17.2	57.5	116.1	186.3	260.5	331.5	410.4	506.0	620.8	755.1
-37.5°	0.0	16.7	54.5	109.6	176.8	249.0	317.8	392.3	478.6	581.6	708.0
-40°	0.0	16.1	51.4	102.8	166.8	236.4	303.3	373.1	449.6	546.5	661.8
-42.5°	0.0	15.5	48.1	95.6	156.7	223.1	288.1	352.9	424.1	512.2	613.3
-45°	0.0	14.8	44.6	88.1	146.6	209.3	272.2	332.8	399.9	476.3	564.2
-47.5°	0.0	14.2	41.0	80.2	136.1	194.8	255.6	313.4	374.7	439.1	522.7
-50°	0.0	13.5	37.3	73.9	125.1	179.7	237.6	293.2	348.5	409.6	479.6
-52.5°	0.0	12.8	33.4	68.1	113.8	164.1	218.9	272.3	323.7	379.2	436.2
-55°	0.0	12.0	29.4	62.0	102.1	149.2	199.5	250.6	299.1	347.7	401.2
-57.5°	0.0	11.3	25.2	55.8	90.0	134.1	179.6	227.4	273.7	318.4	365.4
-60°	0.0	10.5	21.0	49.4	77.8	118.6	159.3	203.5	247.5	289.2	330.1
-62.5°	0.0	9.7	19.4	42.9	69.0	102.7	140.3	179.1	219.6	259.3	297.0
-65°	0.0	8.9	17.7	36.2	60.1	86.5	120.8	154.9	191.2	227.7	263.2
-67.5°	0.0	8.0	16.1	29.3	51.0	72.5	101.0	131.8	162.3	195.2	227.7
-70°	0.0	7.2	14.3	22.3	41.7	60.9	80.8	108.3	135.4	162.3	191.2
-72.5°	0.0	6.3	12.6	18.9	32.3	49.2	65.9	84.5	108.3	131.8	154.9
-75°	0.0	5.4	10.9	16.3	22.7	37.3	51.7	65.9	80.8	101.0	120.8
-77.5°	0.0	4.5	9.1	13.6	18.1	25.2	37.3	49.2	60.9	72.5	86.5
-80°	0.0	3.6	7.3	10.9	14.5	18.1	22.7	32.3	41.7	51.0	60.1
-82.5°	0.0	2.7	5.5	8.2	10.9	13.6	16.3	18.9	22.3	29.3	36.2
-85°	0.0	1.8	3.7	5.5	7.3	9.1	10.9	12.6	14.3	16.1	17.7
-87.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.0	8.9
-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: P645392 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-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°	9.7	10.5	11.3	12.0	12.8	13.5	14.2	14.8	15.5	16.1	16.7
85°	19.4	21.0	25.2	29.4	33.4	37.3	41.0	44.6	48.1	51.4	54.5
82.5°	42.9	49.4	55.8	62.0	68.1	73.9	80.2	88.1	95.6	102.8	109.6
80°	69.0	77.8	90.0	102.1	113.8	125.1	136.1	146.6	156.7	166.8	176.8
77.5°	102.7	118.6	134.1	149.2	164.1	179.7	194.8	209.3	223.1	236.4	249.0
75°	140.3	159.3	179.6	199.5	218.9	237.6	255.6	272.2	288.1	303.3	317.8
72.5°	179.1	203.5	227.4	250.6	272.3	293.2	313.4	332.8	352.9	373.1	392.3
70°	219.6	247.5	273.7	299.1	323.7	348.5	374.7	399.9	424.1	449.6	478.6
67.5°	259.3	289.2	318.4	347.7	379.2	409.6	439.1	476.3	512.2	546.5	581.6
65°	297.0	330.1	365.4	401.2	436.2	479.6	522.7	564.2	613.3	661.8	708.0
62.5°	334.0	374.3	414.6	458.5	508.9	557.9	614.8	672.8	728.6	791.5	852.7
60°	374.3	419.1	470.2	526.6	584.7	652.4	718.0	790.7	864.0	934.7	1021.6
57.5°	414.6	470.2	532.6	599.8	675.1	751.2	836.5	919.1	1018.2	1117.2	1215.6
55°	458.5	526.6	599.8	682.7	769.5	864.2	963.2	1078.5	1190.2	1314.6	1433.8
52.5°	508.9	584.7	675.1	769.5	873.5	987.4	1115.1	1247.2	1386.3	1521.4	1653.9
50°	557.9	652.4	751.2	864.2	987.4	1127.3	1275.9	1429.8	1581.6	1729.7	1868.5
47.5°	614.8	718.0	836.5	963.2	1115.1	1275.9	1444.3	1611.9	1775.7	1927.7	2073.3
45°	672.8	790.7	919.1	1078.5	1247.2	1429.8	1611.9	1791.1	1957.6	2114.6	2252.0
42.5°	728.6	864.0	1018.2	1190.2	1386.3	1581.6	1775.7	1957.6	2128.1	2279.3	2417.4
40°	791.5	934.7	1117.2	1314.6	1521.4	1729.7	1927.7	2114.6	2279.3	2430.0	2569.7
37.5°	852.7	1021.6	1215.6	1433.8	1653.9	1868.5	2073.3	2252.0	2417.4	2569.7	2703.8
35°	910.9	1104.2	1320.3	1549.3	1780.3	1998.6	2197.9	2379.9	2544.1	2691.9	2829.0
32.5°	975.5	1182.2	1419.3	1660.2	1895.6	2117.8	2315.4	2493.4	2656.7	2806.7	2942.9
30°	1042.1	1266.5	1513.3	1764.7	2003.8	2221.2	2418.4	2598.6	2760.6	2908.9	3042.3
27.5°	1104.2	1345.9	1603.0	1859.2	2102.7	2318.1	2512.7	2690.1	2853.0	3002.3	3131.6
25°	1161.5	1419.3	1685.9	1945.8	2185.9	2401.8	2598.2	2775.4	2937.5	3080.8	3206.4
22.5°	1218.1	1486.6	1762.0	2025.2	2262.4	2476.7	2671.2	2849.0	3011.1	3153.0	3273.6
20°	1273.2	1549.3	1829.1	2095.7	2331.7	2544.7	2737.7	2915.1	3072.9	3210.4	3330.4
17.5°	1322.2	1605.1	1887.8	2152.5	2388.8	2602.7	2796.5	2974.6	3128.6	3262.1	3379.5
15°	1364.9	1653.9	1939.2	2202.3	2437.9	2650.9	2844.8	3020.9	3173.8	3306.2	3422.8
12.5°	1401.4	1695.5	1983.0	2244.8	2479.8	2692.2	2886.1	3059.8	3210.1	3340.8	3454.8
10°	1431.4	1729.7	2019.1	2279.9	2514.4	2726.3	2920.3	3092.0	3240.2	3369.6	3481.5
7.5°	1454.8	1756.5	2047.3	2307.3	2541.5	2753.0	2947.1	3117.3	3263.9	3392.2	3502.6
5°	1471.6	1775.7	2067.6	2327.0	2561.0	2772.2	2966.4	3135.5	3281.0	3408.5	3517.8
2.5°	1481.7	1787.2	2079.7	2338.8	2572.7	2783.7	2978.0	3146.4	3291.3	3418.4	3527.0
0°	1485.1	1791.1	2083.8	2342.8	2576.6	2787.6	2981.9	3150.1	3294.7	3421.7	3530.1
-2.5°	1481.7	1787.2	2079.7	2338.8	2572.7	2783.7	2978.0	3146.4	3291.3	3418.4	3527.0
-5°	1471.6	1775.7	2067.6	2327.0	2561.0	2772.2	2966.4	3135.5	3281.0	3408.5	3517.8
-7.5°	1454.8	1756.5	2047.3	2307.3	2541.5	2753.0	2947.1	3117.3	3263.9	3392.2	3502.6
-10°	1431.4	1729.7	2019.1	2279.9	2514.4	2726.3	2920.3	3092.0	3240.2	3369.6	3481.5
-12.5°	1401.4	1695.5	1983.0	2244.8	2479.8	2692.2	2886.1	3059.8	3210.1	3340.8	3454.8
-15°	1364.9	1653.9	1939.2	2202.3	2437.9	2650.9	2844.8	3020.9	3173.8	3306.2	3422.8
-17.5°	1322.2	1605.1	1887.8	2152.5	2388.8	2602.7	2796.5	2974.6	3128.6	3262.1	3379.5
-20°	1273.2	1549.3	1829.1	2095.7	2331.7	2544.7	2737.7	2915.1	3072.9	3210.4	3330.4



REPORT NUMBER: P645392 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-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°	1218.1	1486.6	1762.0	2025.2	2262.4	2476.7	2671.2	2849.0	3011.1	3153.0	3273.6
-25°	1161.5	1419.3	1685.9	1945.8	2185.9	2401.8	2598.2	2775.4	2937.5	3080.8	3206.4
-27.5°	1104.2	1345.9	1603.0	1859.2	2102.7	2318.1	2512.7	2690.1	2853.0	3002.3	3131.6
-30°	1042.1	1266.5	1513.3	1764.7	2003.8	2221.2	2418.4	2598.6	2760.6	2908.9	3042.3
-32.5°	975.5	1182.2	1419.3	1660.2	1895.6	2117.8	2315.4	2493.4	2656.7	2806.7	2942.9
-35°	910.9	1104.2	1320.3	1549.3	1780.3	1998.6	2197.9	2379.9	2544.1	2691.9	2829.0
-37.5°	852.7	1021.6	1215.6	1433.8	1653.9	1868.5	2073.3	2252.0	2417.4	2569.7	2703.8
-40°	791.5	934.7	1117.2	1314.6	1521.4	1729.7	1927.7	2114.6	2279.3	2430.0	2569.7
-42.5°	728.6	864.0	1018.2	1190.2	1386.3	1581.6	1775.7	1957.6	2128.1	2279.3	2417.4
-45°	672.8	790.7	919.1	1078.5	1247.2	1429.8	1611.9	1791.1	1957.6	2114.6	2252.0
-47.5°	614.8	718.0	836.5	963.2	1115.1	1275.9	1444.3	1611.9	1775.7	1927.7	2073.3
-50°	557.9	652.4	751.2	864.2	987.4	1127.3	1275.9	1429.8	1581.6	1729.7	1868.5
-52.5°	508.9	584.7	675.1	769.5	873.5	987.4	1115.1	1247.2	1386.3	1521.4	1653.9
-55°	458.5	526.6	599.8	682.7	769.5	864.2	963.2	1078.5	1190.2	1314.6	1433.8
-57.5°	414.6	470.2	532.6	599.8	675.1	751.2	836.5	919.1	1018.2	1117.2	1215.6
-60°	374.3	419.1	470.2	526.6	584.7	652.4	718.0	790.7	864.0	934.7	1021.6
-62.5°	334.0	374.3	414.6	458.5	508.9	557.9	614.8	672.8	728.6	791.5	852.7
-65°	297.0	330.1	365.4	401.2	436.2	479.6	522.7	564.2	613.3	661.8	708.0
-67.5°	259.3	289.2	318.4	347.7	379.2	409.6	439.1	476.3	512.2	546.5	581.6
-70°	219.6	247.5	273.7	299.1	323.7	348.5	374.7	399.9	424.1	449.6	478.6
-72.5°	179.1	203.5	227.4	250.6	272.3	293.2	313.4	332.8	352.9	373.1	392.3
-75°	140.3	159.3	179.6	199.5	218.9	237.6	255.6	272.2	288.1	303.3	317.8
-77.5°	102.7	118.6	134.1	149.2	164.1	179.7	194.8	209.3	223.1	236.4	249.0
-80°	69.0	77.8	90.0	102.1	113.8	125.1	136.1	146.6	156.7	166.8	176.8
-82.5°	42.9	49.4	55.8	62.0	68.1	73.9	80.2	88.1	95.6	102.8	109.6
-85°	19.4	21.0	25.2	29.4	33.4	37.3	41.0	44.6	48.1	51.4	54.5
-87.5°	9.7	10.5	11.3	12.0	12.8	13.5	14.2	14.8	15.5	16.1	16.7
-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: P645392 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-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°	17.2	17.7	18.2	18.6	19.0	19.4	19.7	20.0	20.3	20.5	20.7
85°	57.5	60.2	62.8	65.2	67.5	69.5	71.3	72.9	74.3	75.5	76.5
82.5°	116.1	122.2	127.9	133.1	138.0	142.4	146.4	149.9	152.9	155.5	157.7
80°	186.3	195.3	203.6	211.3	218.5	225.0	230.8	236.0	240.5	244.3	247.5
77.5°	260.5	271.2	281.2	290.5	299.0	306.8	313.8	320.0	325.5	330.1	333.8
75°	331.5	344.9	358.6	371.2	382.9	393.6	403.1	411.7	419.1	425.4	430.6
72.5°	410.4	427.6	444.7	464.3	482.3	498.7	513.5	526.6	538.1	547.8	555.8
70°	506.0	531.8	556.0	580.7	606.9	630.8	652.4	671.5	688.2	702.4	714.1
67.5°	620.8	657.8	692.4	724.6	758.2	790.7	820.0	846.1	868.9	888.2	904.1
65°	755.1	804.7	851.1	894.4	934.7	981.9	1024.5	1062.4	1095.5	1123.6	1146.8
62.5°	910.9	975.5	1042.1	1104.2	1161.5	1218.1	1273.2	1322.2	1364.9	1401.4	1431.4
60°	1104.2	1182.2	1266.5	1345.9	1419.3	1486.6	1549.3	1605.1	1653.9	1695.5	1729.7
57.5°	1320.3	1419.3	1513.3	1603.0	1685.9	1762.0	1829.1	1887.8	1939.2	1983.0	2019.1
55°	1549.3	1660.2	1764.7	1859.2	1945.8	2025.2	2095.7	2152.5	2202.3	2244.8	2279.9
52.5°	1780.3	1895.6	2003.8	2102.7	2185.9	2262.4	2331.7	2388.8	2437.9	2479.8	2514.4
50°	1998.6	2117.8	2221.2	2318.1	2401.8	2476.7	2544.7	2602.7	2650.9	2692.2	2726.3
47.5°	2197.9	2315.4	2418.4	2512.7	2598.2	2671.2	2737.7	2796.5	2844.8	2886.1	2920.3
45°	2379.9	2493.4	2598.6	2690.1	2775.4	2849.0	2915.1	2974.6	3020.9	3059.8	3092.0
42.5°	2544.1	2656.7	2760.6	2853.0	2937.5	3011.1	3072.9	3128.6	3173.8	3210.1	3240.2
40°	2691.9	2806.7	2908.9	3002.3	3080.8	3153.0	3210.4	3262.1	3306.2	3340.8	3369.6
37.5°	2829.0	2942.9	3042.3	3131.6	3206.4	3273.6	3330.4	3379.5	3422.8	3454.8	3481.5
35°	2954.3	3062.5	3160.9	3242.8	3316.9	3380.2	3436.1	3481.3	3521.5	3552.1	3576.5
32.5°	3062.5	3169.9	3261.1	3341.7	3414.1	3473.2	3526.7	3568.2	3604.8	3634.2	3656.8
30°	3160.9	3261.1	3350.1	3429.9	3495.8	3553.4	3601.7	3642.2	3675.9	3703.9	3723.8
27.5°	3242.8	3341.7	3429.9	3503.5	3566.6	3622.0	3666.2	3705.1	3734.6	3760.5	3777.6
25°	3316.9	3414.1	3495.8	3566.6	3627.9	3678.5	3720.5	3755.9	3781.9	3804.0	3816.8
22.5°	3380.2	3473.2	3553.4	3622.0	3678.5	3725.7	3765.4	3795.2	3816.6	3830.0	3837.5
20°	3436.1	3526.7	3601.7	3666.2	3720.5	3765.4	3799.7	3821.8	3836.7	3840.4	3842.6
17.5°	3481.3	3568.2	3642.2	3705.1	3755.9	3795.2	3821.8	3837.4	3841.9	3841.1	3838.9
15°	3521.5	3604.8	3675.9	3734.6	3781.9	3816.6	3836.7	3841.9	3840.6	3836.1	3829.2
12.5°	3552.1	3634.2	3703.9	3760.5	3804.0	3830.0	3840.4	3841.1	3836.1	3827.5	3817.7
10°	3576.5	3656.8	3723.8	3777.6	3816.8	3837.5	3842.6	3838.9	3829.2	3817.7	3806.8
7.5°	3595.8	3674.8	3739.7	3791.2	3825.1	3839.9	3841.0	3834.0	3822.4	3809.3	3797.5
5°	3609.7	3687.8	3751.2	3801.2	3831.2	3841.6	3839.8	3830.2	3816.7	3803.0	3792.2
2.5°	3618.2	3695.7	3758.2	3807.3	3834.9	3842.6	3839.1	3827.8	3813.1	3799.0	3788.7
0°	3621.0	3698.3	3760.6	3809.3	3836.2	3843.0	3838.8	3827.0	3811.9	3797.6	3787.5
-2.5°	3618.2	3695.7	3758.2	3807.3	3834.9	3842.6	3839.1	3827.8	3813.1	3799.0	3788.7
-5°	3609.7	3687.8	3751.2	3801.2	3831.2	3841.6	3839.8	3830.2	3816.7	3803.0	3792.2
-7.5°	3595.8	3674.8	3739.7	3791.2	3825.1	3839.9	3841.0	3834.0	3822.4	3809.3	3797.5
-10°	3576.5	3656.8	3723.8	3777.6	3816.8	3837.5	3842.6	3838.9	3829.2	3817.7	3806.8
-12.5°	3552.1	3634.2	3703.9	3760.5	3804.0	3830.0	3840.4	3841.1	3836.1	3827.5	3817.7
-15°	3521.5	3604.8	3675.9	3734.6	3781.9	3816.6	3836.7	3841.9	3840.6	3836.1	3829.2
-17.5°	3481.3	3568.2	3642.2	3705.1	3755.9	3795.2	3821.8	3837.4	3841.9	3841.1	3838.9
-20°	3436.1	3526.7	3601.7	3666.2	3720.5	3765.4	3799.7	3821.8	3836.7	3840.4	3842.6



REPORT NUMBER: P645392 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-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°	3380.2	3473.2	3553.4	3622.0	3678.5	3725.7	3765.4	3795.2	3816.6	3830.0	3837.5
-25°	3316.9	3414.1	3495.8	3566.6	3627.9	3678.5	3720.5	3755.9	3781.9	3804.0	3816.8
-27.5°	3242.8	3341.7	3429.9	3503.5	3566.6	3622.0	3666.2	3705.1	3734.6	3760.5	3777.6
-30°	3160.9	3261.1	3350.1	3429.9	3495.8	3553.4	3601.7	3642.2	3675.9	3703.9	3723.8
-32.5°	3062.5	3169.9	3261.1	3341.7	3414.1	3473.2	3526.7	3568.2	3604.8	3634.2	3656.8
-35°	2954.3	3062.5	3160.9	3242.8	3316.9	3380.2	3436.1	3481.3	3521.5	3552.1	3576.5
-37.5°	2829.0	2942.9	3042.3	3131.6	3206.4	3273.6	3330.4	3379.5	3422.8	3454.8	3481.5
-40°	2691.9	2806.7	2908.9	3002.3	3080.8	3153.0	3210.4	3262.1	3306.2	3340.8	3369.6
-42.5°	2544.1	2656.7	2760.6	2853.0	2937.5	3011.1	3072.9	3128.6	3173.8	3210.1	3240.2
-45°	2379.9	2493.4	2598.6	2690.1	2775.4	2849.0	2915.1	2974.6	3020.9	3059.8	3092.0
-47.5°	2197.9	2315.4	2418.4	2512.7	2598.2	2671.2	2737.7	2796.5	2844.8	2886.1	2920.3
-50°	1998.6	2117.8	2221.2	2318.1	2401.8	2476.7	2544.7	2602.7	2650.9	2692.2	2726.3
-52.5°	1780.3	1895.6	2003.8	2102.7	2185.9	2262.4	2331.7	2388.8	2437.9	2479.8	2514.4
-55°	1549.3	1660.2	1764.7	1859.2	1945.8	2025.2	2095.7	2152.5	2202.3	2244.8	2279.9
-57.5°	1320.3	1419.3	1513.3	1603.0	1685.9	1762.0	1829.1	1887.8	1939.2	1983.0	2019.1
-60°	1104.2	1182.2	1266.5	1345.9	1419.3	1486.6	1549.3	1605.1	1653.9	1695.5	1729.7
-62.5°	910.9	975.5	1042.1	1104.2	1161.5	1218.1	1273.2	1322.2	1364.9	1401.4	1431.4
-65°	755.1	804.7	851.1	894.4	934.7	981.9	1024.5	1062.4	1095.5	1123.6	1146.8
-67.5°	620.8	657.8	692.4	724.6	758.2	790.7	820.0	846.1	868.9	888.2	904.1
-70°	506.0	531.8	556.0	580.7	606.9	630.8	652.4	671.5	688.2	702.4	714.1
-72.5°	410.4	427.6	444.7	464.3	482.3	498.7	513.5	526.6	538.1	547.8	555.8
-75°	331.5	344.9	358.6	371.2	382.9	393.6	403.1	411.7	419.1	425.4	430.6
-77.5°	260.5	271.2	281.2	290.5	299.0	306.8	313.8	320.0	325.5	330.1	333.8
-80°	186.3	195.3	203.6	211.3	218.5	225.0	230.8	236.0	240.5	244.3	247.5
-82.5°	116.1	122.2	127.9	133.1	138.0	142.4	146.4	149.9	152.9	155.5	157.7
-85°	57.5	60.2	62.8	65.2	67.5	69.5	71.3	72.9	74.3	75.5	76.5
-87.5°	17.2	17.7	18.2	18.6	19.0	19.4	19.7	20.0	20.3	20.5	20.7
-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: P645392 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-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°	20.8	20.9	21.0	21.0	21.0	20.9	20.8	20.7	20.5	20.3	20.0
85°	77.2	77.8	78.1	78.2	78.1	77.8	77.2	76.5	75.5	74.3	72.9
82.5°	159.3	160.5	161.3	161.5	161.3	160.5	159.3	157.7	155.5	152.9	149.9
80°	249.9	251.7	252.7	253.1	252.7	251.7	249.9	247.5	244.3	240.5	236.0
77.5°	336.8	338.9	340.2	340.6	340.2	338.9	336.8	333.8	330.1	325.5	320.0
75°	434.6	437.5	439.2	439.8	439.2	437.5	434.6	430.6	425.4	419.1	411.7
72.5°	562.0	566.5	569.2	570.1	569.2	566.5	562.0	555.8	547.8	538.1	526.6
70°	723.2	729.8	733.7	735.0	733.7	729.8	723.2	714.1	702.4	688.2	671.5
67.5°	916.6	925.5	930.8	932.6	930.8	925.5	916.6	904.1	888.2	868.9	846.1
65°	1164.9	1177.8	1185.6	1188.2	1185.6	1177.8	1164.9	1146.8	1123.6	1095.5	1062.4
62.5°	1454.8	1471.6	1481.7	1485.1	1481.7	1471.6	1454.8	1431.4	1401.4	1364.9	1322.2
60°	1756.5	1775.7	1787.2	1791.1	1787.2	1775.7	1756.5	1729.7	1695.5	1653.9	1605.1
57.5°	2047.3	2067.6	2079.7	2083.8	2079.7	2067.6	2047.3	2019.1	1983.0	1939.2	1887.8
55°	2307.3	2327.0	2338.8	2342.8	2338.8	2327.0	2307.3	2279.9	2244.8	2202.3	2152.5
52.5°	2541.5	2561.0	2572.7	2576.6	2572.7	2561.0	2541.5	2514.4	2479.8	2437.9	2388.8
50°	2753.0	2772.2	2783.7	2787.6	2783.7	2772.2	2753.0	2726.3	2692.2	2650.9	2602.7
47.5°	2947.1	2966.4	2978.0	2981.9	2978.0	2966.4	2947.1	2920.3	2886.1	2844.8	2796.5
45°	3117.3	3135.5	3146.4	3150.1	3146.4	3135.5	3117.3	3092.0	3059.8	3020.9	2974.6
42.5°	3263.9	3281.0	3291.3	3294.7	3291.3	3281.0	3263.9	3240.2	3210.1	3173.8	3128.6
40°	3392.2	3408.5	3418.4	3421.7	3418.4	3408.5	3392.2	3369.6	3340.8	3306.2	3262.1
37.5°	3502.6	3517.8	3527.0	3530.1	3527.0	3517.8	3502.6	3481.5	3454.8	3422.8	3379.5
35°	3595.8	3609.7	3618.2	3621.0	3618.2	3609.7	3595.8	3576.5	3552.1	3521.5	3481.3
32.5°	3674.8	3687.8	3695.7	3698.3	3695.7	3687.8	3674.8	3656.8	3634.2	3604.8	3568.2
30°	3739.7	3751.2	3758.2	3760.6	3758.2	3751.2	3739.7	3723.8	3703.9	3675.9	3642.2
27.5°	3791.2	3801.2	3807.3	3809.3	3807.3	3801.2	3791.2	3777.6	3760.5	3734.6	3705.1
25°	3825.1	3831.2	3834.9	3836.2	3834.9	3831.2	3825.1	3816.8	3804.0	3781.9	3755.9
22.5°	3839.9	3841.6	3842.6	3843.0	3842.6	3841.6	3839.9	3837.5	3830.0	3816.6	3795.2
20°	3841.0	3839.8	3839.1	3838.8	3839.1	3839.8	3841.0	3842.6	3840.4	3836.7	3821.8
17.5°	3834.0	3830.2	3827.8	3827.0	3827.8	3830.2	3834.0	3838.9	3841.1	3841.9	3837.4
15°	3822.4	3816.7	3813.1	3811.9	3813.1	3816.7	3822.4	3829.2	3836.1	3840.6	3841.9
12.5°	3809.3	3803.0	3799.0	3797.6	3799.0	3803.0	3809.3	3817.7	3827.5	3836.1	3841.1
10°	3797.5	3792.2	3788.7	3787.5	3788.7	3792.2	3797.5	3806.8	3817.7	3829.2	3838.9
7.5°	3789.9	3785.2	3782.6	3781.6	3782.6	3785.2	3789.9	3797.5	3809.3	3822.4	3834.0
5°	3785.2	3780.4	3776.5	3774.9	3776.5	3780.4	3785.2	3792.2	3803.0	3816.7	3830.2
2.5°	3782.6	3776.5	3770.4	3767.3	3770.4	3776.5	3782.6	3788.7	3799.0	3813.1	3827.8
0°	<b>3781.6</b>	<b>3774.9</b>	<b>3767.3</b>	<b>3768.1</b>	<b>3767.3</b>	<b>3774.9</b>	<b>3781.6</b>	<b>3787.5</b>	<b>3797.6</b>	<b>3811.9</b>	<b>3827.0</b>
-2.5°	3782.6	3776.5	3770.4	3767.3	3770.4	3776.5	3782.6	3788.7	3799.0	3813.1	3827.8
-5°	3785.2	3780.4	3776.5	3774.9	3776.5	3780.4	3785.2	3792.2	3803.0	3816.7	3830.2
-7.5°	3789.9	3785.2	3782.6	3781.6	3782.6	3785.2	3789.9	3797.5	3809.3	3822.4	3834.0
-10°	3797.5	3792.2	3788.7	3787.5	3788.7	3792.2	3797.5	3806.8	3817.7	3829.2	3838.9
-12.5°	3809.3	3803.0	3799.0	3797.6	3799.0	3803.0	3809.3	3817.7	3827.5	3836.1	3841.1
-15°	3822.4	3816.7	3813.1	3811.9	3813.1	3816.7	3822.4	3829.2	3836.1	3840.6	3841.9
-17.5°	3834.0	3830.2	3827.8	3827.0	3827.8	3830.2	3834.0	3838.9	3841.1	3841.9	3837.4
-20°	3841.0	3839.8	3839.1	3838.8	3839.1	3839.8	3841.0	3842.6	3840.4	3836.7	3821.8



REPORT NUMBER: P645392 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-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°	3839.9	3841.6	3842.6	3843.0	3842.6	3841.6	3839.9	3837.5	3830.0	3816.6	3795.2
-25°	3825.1	3831.2	3834.9	3836.2	3834.9	3831.2	3825.1	3816.8	3804.0	3781.9	3755.9
-27.5°	3791.2	3801.2	3807.3	3809.3	3807.3	3801.2	3791.2	3777.6	3760.5	3734.6	3705.1
-30°	3739.7	3751.2	3758.2	3760.6	3758.2	3751.2	3739.7	3723.8	3703.9	3675.9	3642.2
-32.5°	3674.8	3687.8	3695.7	3698.3	3695.7	3687.8	3674.8	3656.8	3634.2	3604.8	3568.2
-35°	3595.8	3609.7	3618.2	3621.0	3618.2	3609.7	3595.8	3576.5	3552.1	3521.5	3481.3
-37.5°	3502.6	3517.8	3527.0	3530.1	3527.0	3517.8	3502.6	3481.5	3454.8	3422.8	3379.5
-40°	3392.2	3408.5	3418.4	3421.7	3418.4	3408.5	3392.2	3369.6	3340.8	3306.2	3262.1
-42.5°	3263.9	3281.0	3291.3	3294.7	3291.3	3281.0	3263.9	3240.2	3210.1	3173.8	3128.6
-45°	3117.3	3135.5	3146.4	3150.1	3146.4	3135.5	3117.3	3092.0	3059.8	3020.9	2974.6
-47.5°	2947.1	2966.4	2978.0	2981.9	2978.0	2966.4	2947.1	2920.3	2886.1	2844.8	2796.5
-50°	2753.0	2772.2	2783.7	2787.6	2783.7	2772.2	2753.0	2726.3	2692.2	2650.9	2602.7
-52.5°	2541.5	2561.0	2572.7	2576.6	2572.7	2561.0	2541.5	2514.4	2479.8	2437.9	2388.8
-55°	2307.3	2327.0	2338.8	2342.8	2338.8	2327.0	2307.3	2279.9	2244.8	2202.3	2152.5
-57.5°	2047.3	2067.6	2079.7	2083.8	2079.7	2067.6	2047.3	2019.1	1983.0	1939.2	1887.8
-60°	1756.5	1775.7	1787.2	1791.1	1787.2	1775.7	1756.5	1729.7	1695.5	1653.9	1605.1
-62.5°	1454.8	1471.6	1481.7	1485.1	1481.7	1471.6	1454.8	1431.4	1401.4	1364.9	1322.2
-65°	1164.9	1177.8	1185.6	1188.2	1185.6	1177.8	1164.9	1146.8	1123.6	1095.5	1062.4
-67.5°	916.6	925.5	930.8	932.6	930.8	925.5	916.6	904.1	888.2	868.9	846.1
-70°	723.2	729.8	733.7	735.0	733.7	729.8	723.2	714.1	702.4	688.2	671.5
-72.5°	562.0	566.5	569.2	570.1	569.2	566.5	562.0	555.8	547.8	538.1	526.6
-75°	434.6	437.5	439.2	439.8	439.2	437.5	434.6	430.6	425.4	419.1	411.7
-77.5°	336.8	338.9	340.2	340.6	340.2	338.9	336.8	333.8	330.1	325.5	320.0
-80°	249.9	251.7	252.7	253.1	252.7	251.7	249.9	247.5	244.3	240.5	236.0
-82.5°	159.3	160.5	161.3	161.5	161.3	160.5	159.3	157.7	155.5	152.9	149.9
-85°	77.2	77.8	78.1	78.2	78.1	77.8	77.2	76.5	75.5	74.3	72.9
-87.5°	20.8	20.9	21.0	21.0	21.0	20.9	20.8	20.7	20.5	20.3	20.0
-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: P645392 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-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°	19.7	19.4	19.0	18.6	18.2	17.7	17.2	16.7	16.1	15.5	14.8
85°	71.3	69.5	67.5	65.2	62.8	60.2	57.5	54.5	51.4	48.1	44.6
82.5°	146.4	142.4	138.0	133.1	127.9	122.2	116.1	109.6	102.8	95.6	88.1
80°	230.8	225.0	218.5	211.3	203.6	195.3	186.3	176.8	166.8	156.7	146.6
77.5°	313.8	306.8	299.0	290.5	281.2	271.2	260.5	249.0	236.4	223.1	209.3
75°	403.1	393.6	382.9	371.2	358.6	344.9	331.5	317.8	303.3	288.1	272.2
72.5°	513.5	498.7	482.3	464.3	444.7	427.6	410.4	392.3	373.1	352.9	332.8
70°	652.4	630.8	606.9	580.7	556.0	531.8	506.0	478.6	449.6	424.1	399.9
67.5°	820.0	790.7	758.2	724.6	692.4	657.8	620.8	581.6	546.5	512.2	476.3
65°	1024.5	981.9	934.7	894.4	851.1	804.7	755.1	708.0	661.8	613.3	564.2
62.5°	1273.2	1218.1	1161.5	1104.2	1042.1	975.5	910.9	852.7	791.5	728.6	672.8
60°	1549.3	1486.6	1419.3	1345.9	1266.5	1182.2	1104.2	1021.6	934.7	864.0	790.7
57.5°	1829.1	1762.0	1685.9	1603.0	1513.3	1419.3	1320.3	1215.6	1117.2	1018.2	919.1
55°	2095.7	2025.2	1945.8	1859.2	1764.7	1660.2	1549.3	1433.8	1314.6	1190.2	1078.5
52.5°	2331.7	2262.4	2185.9	2102.7	2003.8	1895.6	1780.3	1653.9	1521.4	1386.3	1247.2
50°	2544.7	2476.7	2401.8	2318.1	2221.2	2117.8	1998.6	1868.5	1729.7	1581.6	1429.8
47.5°	2737.7	2671.2	2598.2	2512.7	2418.4	2315.4	2197.9	2073.3	1927.7	1775.7	1611.9
45°	2915.1	2849.0	2775.4	2690.1	2598.6	2493.4	2379.9	2252.0	2114.6	1957.6	1791.1
42.5°	3072.9	3011.1	2937.5	2853.0	2760.6	2656.7	2544.1	2417.4	2279.3	2128.1	1957.6
40°	3210.4	3153.0	3080.8	3002.3	2908.9	2806.7	2691.9	2569.7	2430.0	2279.3	2114.6
37.5°	3330.4	3273.6	3206.4	3131.6	3042.3	2942.9	2829.0	2703.8	2569.7	2417.4	2252.0
35°	3436.1	3380.2	3316.9	3242.8	3160.9	3062.5	2954.3	2829.0	2691.9	2544.1	2379.9
32.5°	3526.7	3473.2	3414.1	3341.7	3261.1	3169.9	3062.5	2942.9	2806.7	2656.7	2493.4
30°	3601.7	3553.4	3495.8	3429.9	3350.1	3261.1	3160.9	3042.3	2908.9	2760.6	2598.6
27.5°	3666.2	3622.0	3566.6	3503.5	3429.9	3341.7	3242.8	3131.6	3002.3	2853.0	2690.1
25°	3720.5	3678.5	3627.9	3566.6	3495.8	3414.1	3316.9	3206.4	3080.8	2937.5	2775.4
22.5°	3765.4	3725.7	3678.5	3622.0	3553.4	3473.2	3380.2	3273.6	3153.0	3011.1	2849.0
20°	3799.7	3765.4	3720.5	3666.2	3601.7	3526.7	3436.1	3330.4	3210.4	3072.9	2915.1
17.5°	3821.8	3795.2	3755.9	3705.1	3642.2	3568.2	3481.3	3379.5	3262.1	3128.6	2974.6
15°	3836.7	3816.6	3781.9	3734.6	3675.9	3604.8	3521.5	3422.8	3306.2	3173.8	3020.9
12.5°	3840.4	3830.0	3804.0	3760.5	3703.9	3634.2	3552.1	3454.8	3340.8	3210.1	3059.8
10°	3842.6	3837.5	3816.8	3777.6	3723.8	3656.8	3576.5	3481.5	3369.6	3240.2	3092.0
7.5°	3841.0	3839.9	3825.1	3791.2	3739.7	3674.8	3595.8	3502.6	3392.2	3263.9	3117.3
5°	3839.8	3841.6	3831.2	3801.2	3751.2	3687.8	3609.7	3517.8	3408.5	3281.0	3135.5
2.5°	3839.1	3842.6	3834.9	3807.3	3758.2	3695.7	3618.2	3527.0	3418.4	3291.3	3146.4
0°	3838.8	3843.0	3836.2	3809.3	3760.6	3698.3	3621.0	3530.1	3421.7	3294.7	3150.1
-2.5°	3839.1	3842.6	3834.9	3807.3	3758.2	3695.7	3618.2	3527.0	3418.4	3291.3	3146.4
-5°	3839.8	3841.6	3831.2	3801.2	3751.2	3687.8	3609.7	3517.8	3408.5	3281.0	3135.5
-7.5°	3841.0	3839.9	3825.1	3791.2	3739.7	3674.8	3595.8	3502.6	3392.2	3263.9	3117.3
-10°	3842.6	3837.5	3816.8	3777.6	3723.8	3656.8	3576.5	3481.5	3369.6	3240.2	3092.0
-12.5°	3840.4	3830.0	3804.0	3760.5	3703.9	3634.2	3552.1	3454.8	3340.8	3210.1	3059.8
-15°	3836.7	3816.6	3781.9	3734.6	3675.9	3604.8	3521.5	3422.8	3306.2	3173.8	3020.9
-17.5°	3821.8	3795.2	3755.9	3705.1	3642.2	3568.2	3481.3	3379.5	3262.1	3128.6	2974.6
-20°	3799.7	3765.4	3720.5	3666.2	3601.7	3526.7	3436.1	3330.4	3210.4	3072.9	2915.1



REPORT NUMBER: P645392 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-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°	3765.4	3725.7	3678.5	3622.0	3553.4	3473.2	3380.2	3273.6	3153.0	3011.1	2849.0
-25°	3720.5	3678.5	3627.9	3566.6	3495.8	3414.1	3316.9	3206.4	3080.8	2937.5	2775.4
-27.5°	3666.2	3622.0	3566.6	3503.5	3429.9	3341.7	3242.8	3131.6	3002.3	2853.0	2690.1
-30°	3601.7	3553.4	3495.8	3429.9	3350.1	3261.1	3160.9	3042.3	2908.9	2760.6	2598.6
-32.5°	3526.7	3473.2	3414.1	3341.7	3261.1	3169.9	3062.5	2942.9	2806.7	2656.7	2493.4
-35°	3436.1	3380.2	3316.9	3242.8	3160.9	3062.5	2954.3	2829.0	2691.9	2544.1	2379.9
-37.5°	3330.4	3273.6	3206.4	3131.6	3042.3	2942.9	2829.0	2703.8	2569.7	2417.4	2252.0
-40°	3210.4	3153.0	3080.8	3002.3	2908.9	2806.7	2691.9	2569.7	2430.0	2279.3	2114.6
-42.5°	3072.9	3011.1	2937.5	2853.0	2760.6	2656.7	2544.1	2417.4	2279.3	2128.1	1957.6
-45°	2915.1	2849.0	2775.4	2690.1	2598.6	2493.4	2379.9	2252.0	2114.6	1957.6	1791.1
-47.5°	2737.7	2671.2	2598.2	2512.7	2418.4	2315.4	2197.9	2073.3	1927.7	1775.7	1611.9
-50°	2544.7	2476.7	2401.8	2318.1	2221.2	2117.8	1998.6	1868.5	1729.7	1581.6	1429.8
-52.5°	2331.7	2262.4	2185.9	2102.7	2003.8	1895.6	1780.3	1653.9	1521.4	1386.3	1247.2
-55°	2095.7	2025.2	1945.8	1859.2	1764.7	1660.2	1549.3	1433.8	1314.6	1190.2	1078.5
-57.5°	1829.1	1762.0	1685.9	1603.0	1513.3	1419.3	1320.3	1215.6	1117.2	1018.2	919.1
-60°	1549.3	1486.6	1419.3	1345.9	1266.5	1182.2	1104.2	1021.6	934.7	864.0	790.7
-62.5°	1273.2	1218.1	1161.5	1104.2	1042.1	975.5	910.9	852.7	791.5	728.6	672.8
-65°	1024.5	981.9	934.7	894.4	851.1	804.7	755.1	708.0	661.8	613.3	564.2
-67.5°	820.0	790.7	758.2	724.6	692.4	657.8	620.8	581.6	546.5	512.2	476.3
-70°	652.4	630.8	606.9	580.7	556.0	531.8	506.0	478.6	449.6	424.1	399.9
-72.5°	513.5	498.7	482.3	464.3	444.7	427.6	410.4	392.3	373.1	352.9	332.8
-75°	403.1	393.6	382.9	371.2	358.6	344.9	331.5	317.8	303.3	288.1	272.2
-77.5°	313.8	306.8	299.0	290.5	281.2	271.2	260.5	249.0	236.4	223.1	209.3
-80°	230.8	225.0	218.5	211.3	203.6	195.3	186.3	176.8	166.8	156.7	146.6
-82.5°	146.4	142.4	138.0	133.1	127.9	122.2	116.1	109.6	102.8	95.6	88.1
-85°	71.3	69.5	67.5	65.2	62.8	60.2	57.5	54.5	51.4	48.1	44.6
-87.5°	19.7	19.4	19.0	18.6	18.2	17.7	17.2	16.7	16.1	15.5	14.8
-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: P645392 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-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°	14.2	13.5	12.8	12.0	11.3	10.5	9.7	8.9	8.0	7.2	6.3
85°	41.0	37.3	33.4	29.4	25.2	21.0	19.4	17.7	16.1	14.3	12.6
82.5°	80.2	73.9	68.1	62.0	55.8	49.4	42.9	36.2	29.3	22.3	18.9
80°	136.1	125.1	113.8	102.1	90.0	77.8	69.0	60.1	51.0	41.7	32.3
77.5°	194.8	179.7	164.1	149.2	134.1	118.6	102.7	86.5	72.5	60.9	49.2
75°	255.6	237.6	218.9	199.5	179.6	159.3	140.3	120.8	101.0	80.8	65.9
72.5°	313.4	293.2	272.3	250.6	227.4	203.5	179.1	154.9	131.8	108.3	84.5
70°	374.7	348.5	323.7	299.1	273.7	247.5	219.6	191.2	162.3	135.4	108.3
67.5°	439.1	409.6	379.2	347.7	318.4	289.2	259.3	227.7	195.2	162.3	131.8
65°	522.7	479.6	436.2	401.2	365.4	330.1	297.0	263.2	227.7	191.2	154.9
62.5°	614.8	557.9	508.9	458.5	414.6	374.3	334.0	297.0	259.3	219.6	179.1
60°	718.0	652.4	584.7	526.6	470.2	419.1	374.3	330.1	289.2	247.5	203.5
57.5°	836.5	751.2	675.1	599.8	532.6	470.2	414.6	365.4	318.4	273.7	227.4
55°	963.2	864.2	769.5	682.7	599.8	526.6	458.5	401.2	347.7	299.1	250.6
52.5°	1115.1	987.4	873.5	769.5	675.1	584.7	508.9	436.2	379.2	323.7	272.3
50°	1275.9	1127.3	987.4	864.2	751.2	652.4	557.9	479.6	409.6	348.5	293.2
47.5°	1444.3	1275.9	1115.1	963.2	836.5	718.0	614.8	522.7	439.1	374.7	313.4
45°	1611.9	1429.8	1247.2	1078.5	919.1	790.7	672.8	564.2	476.3	399.9	332.8
42.5°	1775.7	1581.6	1386.3	1190.2	1018.2	864.0	728.6	613.3	512.2	424.1	352.9
40°	1927.7	1729.7	1521.4	1314.6	1117.2	934.7	791.5	661.8	546.5	449.6	373.1
37.5°	2073.3	1868.5	1653.9	1433.8	1215.6	1021.6	852.7	708.0	581.6	478.6	392.3
35°	2197.9	1998.6	1780.3	1549.3	1320.3	1104.2	910.9	755.1	620.8	506.0	410.4
32.5°	2315.4	2117.8	1895.6	1660.2	1419.3	1182.2	975.5	804.7	657.8	531.8	427.6
30°	2418.4	2221.2	2003.8	1764.7	1513.3	1266.5	1042.1	851.1	692.4	556.0	444.7
27.5°	2512.7	2318.1	2102.7	1859.2	1603.0	1345.9	1104.2	894.4	724.6	580.7	464.3
25°	2598.2	2401.8	2185.9	1945.8	1685.9	1419.3	1161.5	934.7	758.2	606.9	482.3
22.5°	2671.2	2476.7	2262.4	2025.2	1762.0	1486.6	1218.1	981.9	790.7	630.8	498.7
20°	2737.7	2544.7	2331.7	2095.7	1829.1	1549.3	1273.2	1024.5	820.0	652.4	513.5
17.5°	2796.5	2602.7	2388.8	2152.5	1887.8	1605.1	1322.2	1062.4	846.1	671.5	526.6
15°	2844.8	2650.9	2437.9	2202.3	1939.2	1653.9	1364.9	1095.5	868.9	688.2	538.1
12.5°	2886.1	2692.2	2479.8	2244.8	1983.0	1695.5	1401.4	1123.6	888.2	702.4	547.8
10°	2920.3	2726.3	2514.4	2279.9	2019.1	1729.7	1431.4	1146.8	904.1	714.1	555.8
7.5°	2947.1	2753.0	2541.5	2307.3	2047.3	1756.5	1454.8	1164.9	916.6	723.2	562.0
5°	2966.4	2772.2	2561.0	2327.0	2067.6	1775.7	1471.6	1177.8	925.5	729.8	566.5
2.5°	2978.0	2783.7	2572.7	2338.8	2079.7	1787.2	1481.7	1185.6	930.8	733.7	569.2
0°	2981.9	2787.6	2576.6	2342.8	2083.8	1791.1	1485.1	1188.2	932.6	735.0	570.1
-2.5°	2978.0	2783.7	2572.7	2338.8	2079.7	1787.2	1481.7	1185.6	930.8	733.7	569.2
-5°	2966.4	2772.2	2561.0	2327.0	2067.6	1775.7	1471.6	1177.8	925.5	729.8	566.5
-7.5°	2947.1	2753.0	2541.5	2307.3	2047.3	1756.5	1454.8	1164.9	916.6	723.2	562.0
-10°	2920.3	2726.3	2514.4	2279.9	2019.1	1729.7	1431.4	1146.8	904.1	714.1	555.8
-12.5°	2886.1	2692.2	2479.8	2244.8	1983.0	1695.5	1401.4	1123.6	888.2	702.4	547.8
-15°	2844.8	2650.9	2437.9	2202.3	1939.2	1653.9	1364.9	1095.5	868.9	688.2	538.1
-17.5°	2796.5	2602.7	2388.8	2152.5	1887.8	1605.1	1322.2	1062.4	846.1	671.5	526.6
-20°	2737.7	2544.7	2331.7	2095.7	1829.1	1549.3	1273.2	1024.5	820.0	652.4	513.5



REPORT NUMBER: P645392 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-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°	2671.2	2476.7	2262.4	2025.2	1762.0	1486.6	1218.1	981.9	790.7	630.8	498.7
-25°	2598.2	2401.8	2185.9	1945.8	1685.9	1419.3	1161.5	934.7	758.2	606.9	482.3
-27.5°	2512.7	2318.1	2102.7	1859.2	1603.0	1345.9	1104.2	894.4	724.6	580.7	464.3
-30°	2418.4	2221.2	2003.8	1764.7	1513.3	1266.5	1042.1	851.1	692.4	556.0	444.7
-32.5°	2315.4	2117.8	1895.6	1660.2	1419.3	1182.2	975.5	804.7	657.8	531.8	427.6
-35°	2197.9	1998.6	1780.3	1549.3	1320.3	1104.2	910.9	755.1	620.8	506.0	410.4
-37.5°	2073.3	1868.5	1653.9	1433.8	1215.6	1021.6	852.7	708.0	581.6	478.6	392.3
-40°	1927.7	1729.7	1521.4	1314.6	1117.2	934.7	791.5	661.8	546.5	449.6	373.1
-42.5°	1775.7	1581.6	1386.3	1190.2	1018.2	864.0	728.6	613.3	512.2	424.1	352.9
-45°	1611.9	1429.8	1247.2	1078.5	919.1	790.7	672.8	564.2	476.3	399.9	332.8
-47.5°	1444.3	1275.9	1115.1	963.2	836.5	718.0	614.8	522.7	439.1	374.7	313.4
-50°	1275.9	1127.3	987.4	864.2	751.2	652.4	557.9	479.6	409.6	348.5	293.2
-52.5°	1115.1	987.4	873.5	769.5	675.1	584.7	508.9	436.2	379.2	323.7	272.3
-55°	963.2	864.2	769.5	682.7	599.8	526.6	458.5	401.2	347.7	299.1	250.6
-57.5°	836.5	751.2	675.1	599.8	532.6	470.2	414.6	365.4	318.4	273.7	227.4
-60°	718.0	652.4	584.7	526.6	470.2	419.1	374.3	330.1	289.2	247.5	203.5
-62.5°	614.8	557.9	508.9	458.5	414.6	374.3	334.0	297.0	259.3	219.6	179.1
-65°	522.7	479.6	436.2	401.2	365.4	330.1	297.0	263.2	227.7	191.2	154.9
-67.5°	439.1	409.6	379.2	347.7	318.4	289.2	259.3	227.7	195.2	162.3	131.8
-70°	374.7	348.5	323.7	299.1	273.7	247.5	219.6	191.2	162.3	135.4	108.3
-72.5°	313.4	293.2	272.3	250.6	227.4	203.5	179.1	154.9	131.8	108.3	84.5
-75°	255.6	237.6	218.9	199.5	179.6	159.3	140.3	120.8	101.0	80.8	65.9
-77.5°	194.8	179.7	164.1	149.2	134.1	118.6	102.7	86.5	72.5	60.9	49.2
-80°	136.1	125.1	113.8	102.1	90.0	77.8	69.0	60.1	51.0	41.7	32.3
-82.5°	80.2	73.9	68.1	62.0	55.8	49.4	42.9	36.2	29.3	22.3	18.9
-85°	41.0	37.3	33.4	29.4	25.2	21.0	19.4	17.7	16.1	14.3	12.6
-87.5°	14.2	13.5	12.8	12.0	11.3	10.5	9.7	8.9	8.0	7.2	6.3
-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: P645392 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-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°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
85°	10.9	9.1	7.3	5.5	3.7	1.8	0.0
82.5°	16.3	13.6	10.9	8.2	5.5	2.7	0.0
80°	22.7	18.1	14.5	10.9	7.3	3.6	0.0
77.5°	37.3	25.2	18.1	13.6	9.1	4.5	0.0
75°	51.7	37.3	22.7	16.3	10.9	5.4	0.0
72.5°	65.9	49.2	32.3	18.9	12.6	6.3	0.0
70°	80.8	60.9	41.7	22.3	14.3	7.2	0.0
67.5°	101.0	72.5	51.0	29.3	16.1	8.0	0.0
65°	120.8	86.5	60.1	36.2	17.7	8.9	0.0
62.5°	140.3	102.7	69.0	42.9	19.4	9.7	0.0
60°	159.3	118.6	77.8	49.4	21.0	10.5	0.0
57.5°	179.6	134.1	90.0	55.8	25.2	11.3	0.0
55°	199.5	149.2	102.1	62.0	29.4	12.0	0.0
52.5°	218.9	164.1	113.8	68.1	33.4	12.8	0.0
50°	237.6	179.7	125.1	73.9	37.3	13.5	0.0
47.5°	255.6	194.8	136.1	80.2	41.0	14.2	0.0
45°	272.2	209.3	146.6	88.1	44.6	14.8	0.0
42.5°	288.1	223.1	156.7	95.6	48.1	15.5	0.0
40°	303.3	236.4	166.8	102.8	51.4	16.1	0.0
37.5°	317.8	249.0	176.8	109.6	54.5	16.7	0.0
35°	331.5	260.5	186.3	116.1	57.5	17.2	0.0
32.5°	344.9	271.2	195.3	122.2	60.2	17.7	0.0
30°	358.6	281.2	203.6	127.9	62.8	18.2	0.0
27.5°	371.2	290.5	211.3	133.1	65.2	18.6	0.0
25°	382.9	299.0	218.5	138.0	67.5	19.0	0.0
22.5°	393.6	306.8	225.0	142.4	69.5	19.4	0.0
20°	403.1	313.8	230.8	146.4	71.3	19.7	0.0
17.5°	411.7	320.0	236.0	149.9	72.9	20.0	0.0
15°	419.1	325.5	240.5	152.9	74.3	20.3	0.0
12.5°	425.4	330.1	244.3	155.5	75.5	20.5	0.0
10°	430.6	333.8	247.5	157.7	76.5	20.7	0.0
7.5°	434.6	336.8	249.9	159.3	77.2	20.8	0.0
5°	437.5	338.9	251.7	160.5	77.8	20.9	0.0
2.5°	439.2	340.2	252.7	161.3	78.1	21.0	0.0
0°	439.8	340.6	253.1	161.5	78.2	21.0	0.0
-2.5°	439.2	340.2	252.7	161.3	78.1	21.0	0.0
-5°	437.5	338.9	251.7	160.5	77.8	20.9	0.0
-7.5°	434.6	336.8	249.9	159.3	77.2	20.8	0.0
-10°	430.6	333.8	247.5	157.7	76.5	20.7	0.0
-12.5°	425.4	330.1	244.3	155.5	75.5	20.5	0.0
-15°	419.1	325.5	240.5	152.9	74.3	20.3	0.0
-17.5°	411.7	320.0	236.0	149.9	72.9	20.0	0.0
-20°	403.1	313.8	230.8	146.4	71.3	19.7	0.0

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CATALOG NUMBER: GFLD-SA2E-722-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	393.6	306.8	225.0	142.4	69.5	19.4	0.0
-25°	382.9	299.0	218.5	138.0	67.5	19.0	0.0
-27.5°	371.2	290.5	211.3	133.1	65.2	18.6	0.0
-30°	358.6	281.2	203.6	127.9	62.8	18.2	0.0
-32.5°	344.9	271.2	195.3	122.2	60.2	17.7	0.0
-35°	331.5	260.5	186.3	116.1	57.5	17.2	0.0
-37.5°	317.8	249.0	176.8	109.6	54.5	16.7	0.0
-40°	303.3	236.4	166.8	102.8	51.4	16.1	0.0
-42.5°	288.1	223.1	156.7	95.6	48.1	15.5	0.0
-45°	272.2	209.3	146.6	88.1	44.6	14.8	0.0
-47.5°	255.6	194.8	136.1	80.2	41.0	14.2	0.0
-50°	237.6	179.7	125.1	73.9	37.3	13.5	0.0
-52.5°	218.9	164.1	113.8	68.1	33.4	12.8	0.0
-55°	199.5	149.2	102.1	62.0	29.4	12.0	0.0
-57.5°	179.6	134.1	90.0	55.8	25.2	11.3	0.0
-60°	159.3	118.6	77.8	49.4	21.0	10.5	0.0
-62.5°	140.3	102.7	69.0	42.9	19.4	9.7	0.0
-65°	120.8	86.5	60.1	36.2	17.7	8.9	0.0
-67.5°	101.0	72.5	51.0	29.3	16.1	8.0	0.0
-70°	80.8	60.9	41.7	22.3	14.3	7.2	0.0
-72.5°	65.9	49.2	32.3	18.9	12.6	6.3	0.0
-75°	51.7	37.3	22.7	16.3	10.9	5.4	0.0
-77.5°	37.3	25.2	18.1	13.6	9.1	4.5	0.0
-80°	22.7	18.1	14.5	10.9	7.3	3.6	0.0
-82.5°	16.3	13.6	10.9	8.2	5.5	2.7	0.0
-85°	10.9	9.1	7.3	5.5	3.7	1.8	0.0
-87.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)