

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



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645382 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2D-727-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645382 (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: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA2D-727-U-LAM-XX  
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN  
Light Source: (32) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

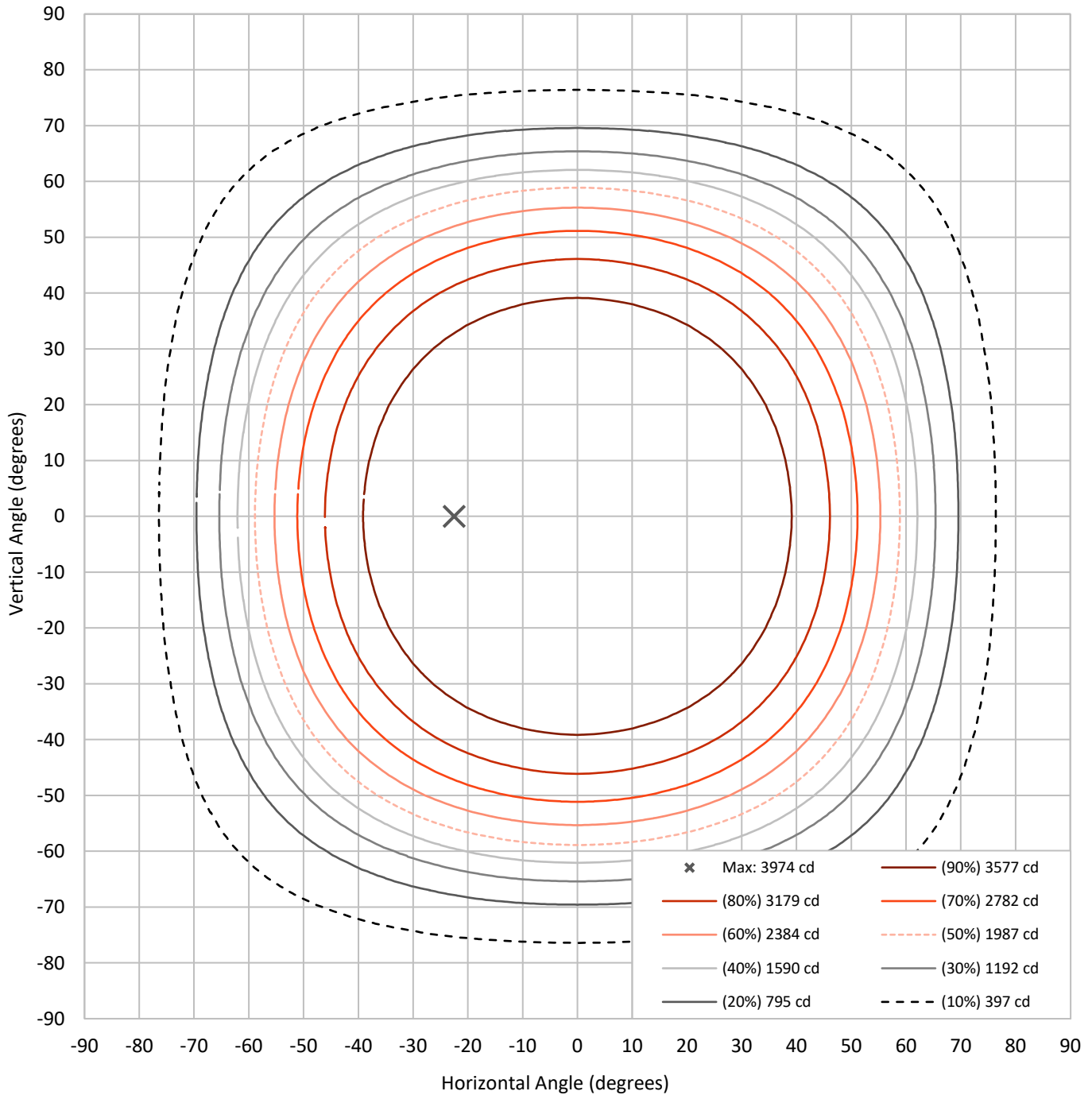
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	12156.7 lumens	Max Intensity:	3974 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	111.8 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:	10117 lumens	Field Lumens:	11917.6 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	108.74		
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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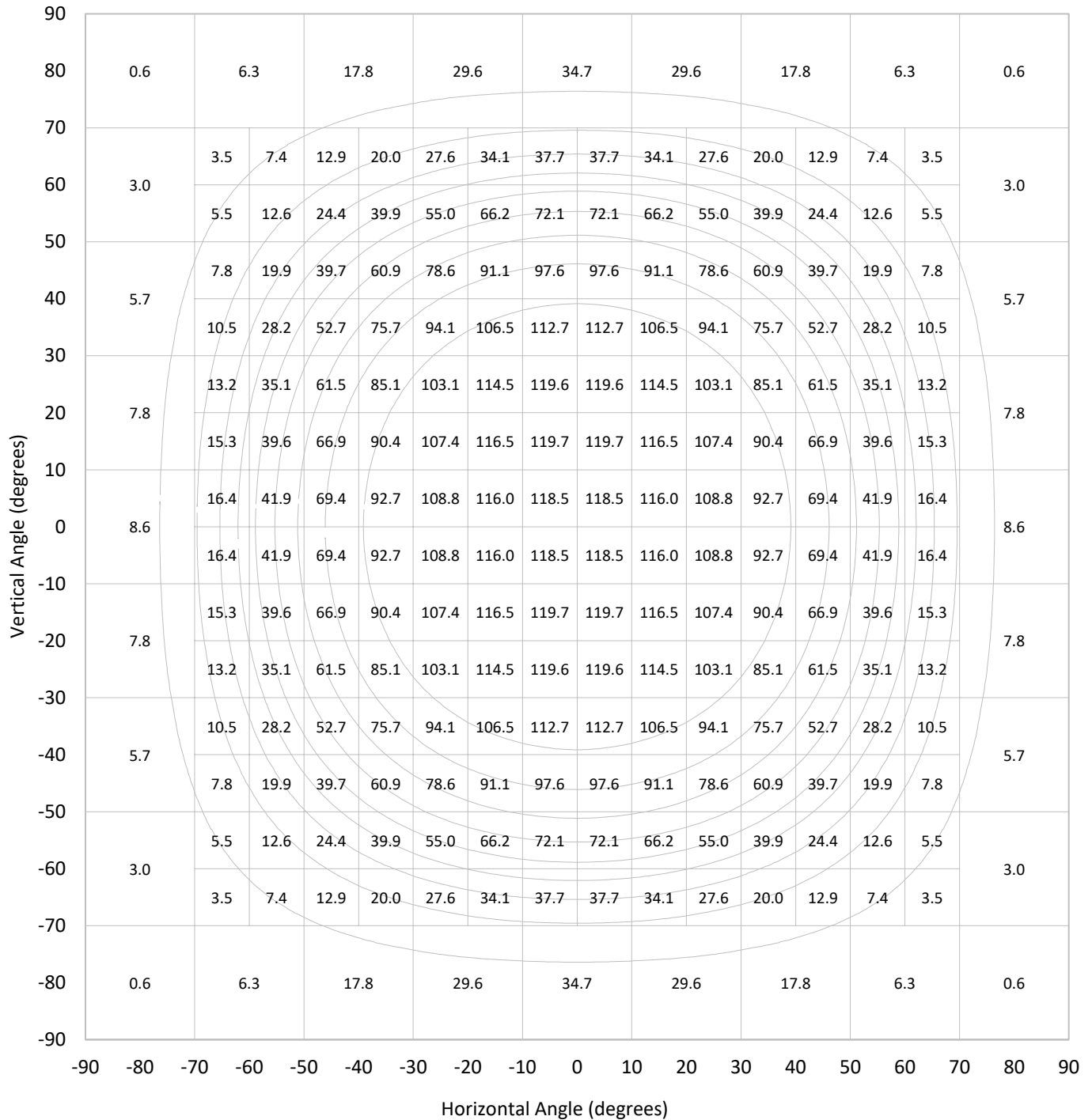
### Iso-Candela Plot





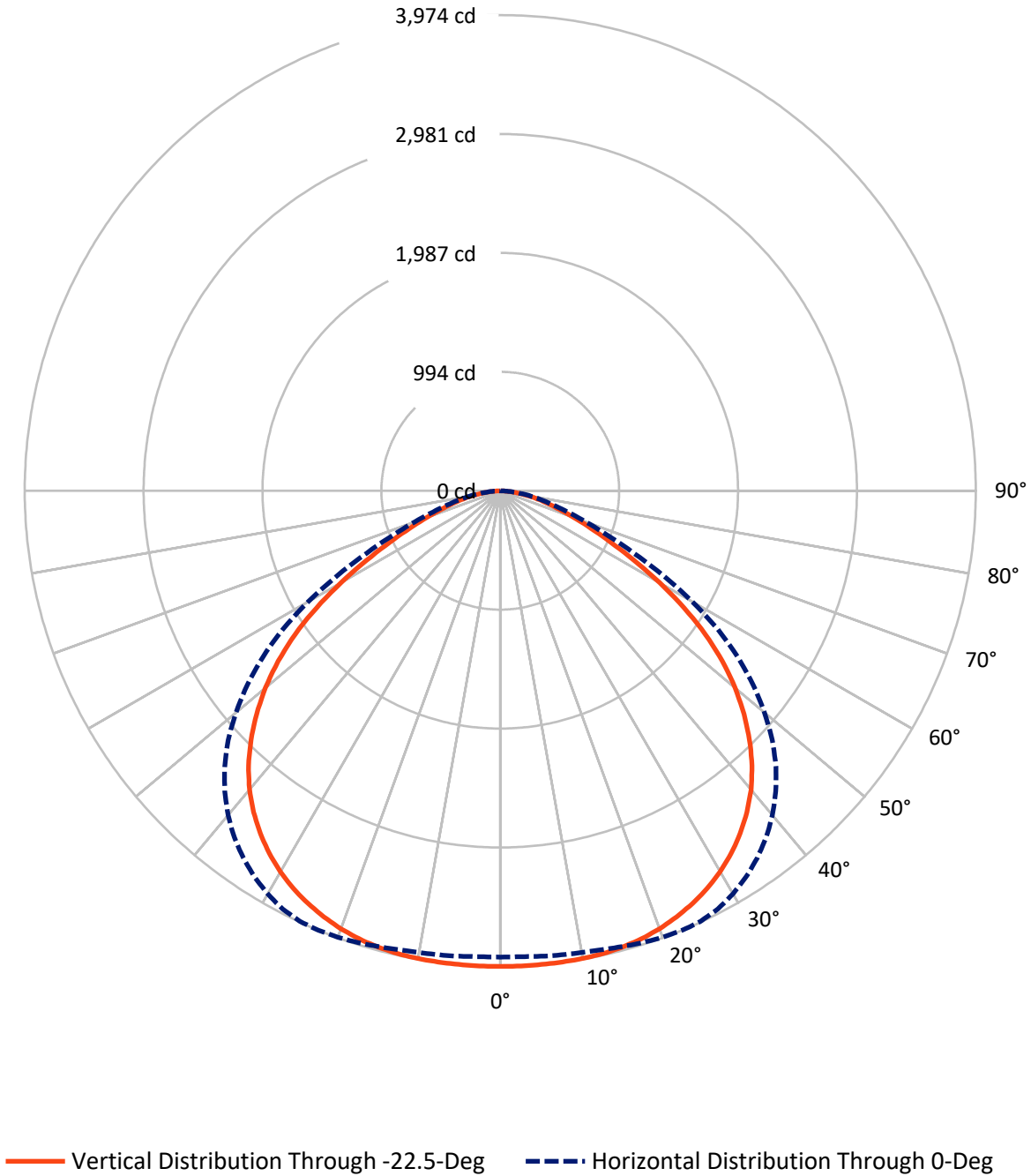
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### Lumen Table



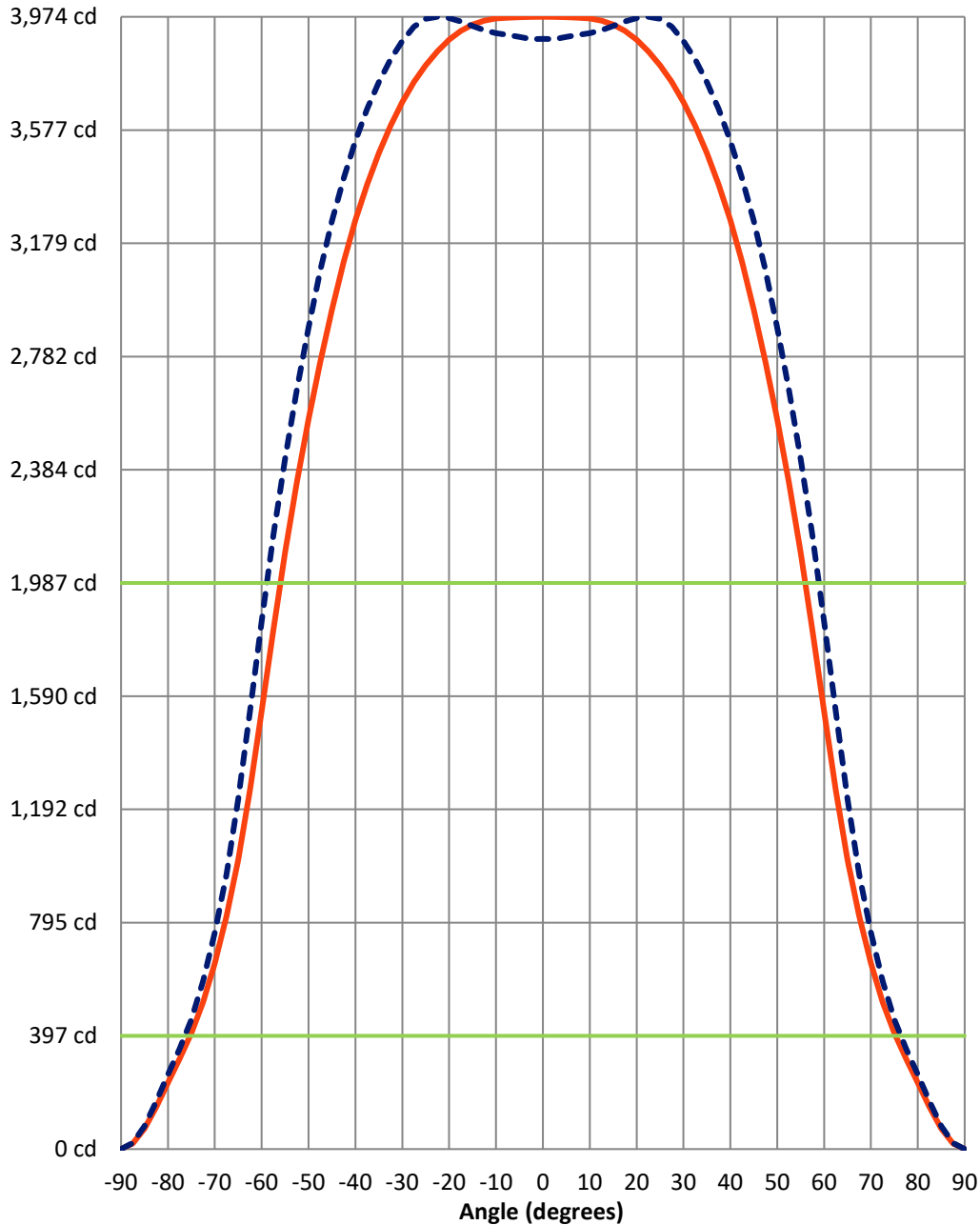
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 10117  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 11917.6  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 239.1  
 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	1.9	2.8	3.8	4.7	5.6	6.5	7.4	8.3	9.2
85°	0.0	1.9	3.8	5.7	7.5	9.4	11.2	13.0	14.8	16.6	18.3
82.5°	0.0	2.8	5.7	8.5	11.3	14.1	16.8	19.5	23.1	30.3	37.4
80°	0.0	3.8	7.5	11.3	15.0	18.7	23.5	33.4	43.1	52.7	62.2
77.5°	0.0	4.7	9.4	14.1	18.7	26.1	38.5	50.9	63.0	75.0	89.4
75°	0.0	5.6	11.2	16.8	23.5	38.5	53.5	68.2	83.6	104.5	125.0
72.5°	0.0	6.5	13.0	19.5	33.4	50.9	68.2	87.4	112.0	136.3	160.2
70°	0.0	7.4	14.8	23.1	43.1	63.0	83.6	112.0	140.1	167.8	197.7
67.5°	0.0	8.3	16.6	30.3	52.7	75.0	104.5	136.3	167.8	201.9	235.5
65°	0.0	9.2	18.3	37.4	62.2	89.4	125.0	160.2	197.7	235.5	272.1
62.5°	0.0	10.0	20.0	44.3	71.4	106.2	145.1	185.2	227.1	268.1	307.1
60°	0.0	10.8	21.7	51.1	80.4	122.7	164.8	210.5	255.9	299.0	341.3
57.5°	0.0	11.7	26.1	57.7	93.1	138.7	185.7	235.1	283.0	329.2	377.8
55°	0.0	12.4	30.4	64.2	105.6	154.3	206.3	259.1	309.2	359.6	414.9
52.5°	0.0	13.2	34.5	70.4	117.7	169.7	226.3	281.5	334.7	392.1	451.0
50°	0.0	13.9	38.5	76.5	129.4	185.8	245.7	303.1	360.4	423.6	495.9
47.5°	0.0	14.7	42.4	82.9	140.7	201.4	264.2	324.0	387.5	454.1	540.5
45°	0.0	15.3	46.2	91.1	151.6	216.4	281.4	344.1	413.6	492.5	583.5
42.5°	0.0	16.0	49.7	98.9	162.0	230.7	297.9	364.9	438.6	529.7	634.2
40°	0.0	16.6	53.2	106.3	172.5	244.4	313.7	385.8	465.0	565.2	684.3
37.5°	0.0	17.2	56.4	113.4	182.9	257.4	328.6	405.6	494.9	601.5	732.0
35°	0.0	17.8	59.4	120.1	192.7	269.4	342.8	424.4	523.3	642.0	780.8
32.5°	0.0	18.3	62.3	126.4	201.9	280.4	356.6	442.1	550.0	680.2	832.1
30°	0.0	18.8	65.0	132.2	210.5	290.8	370.8	459.9	575.0	716.0	880.1
27.5°	0.0	19.2	67.5	137.7	218.5	300.4	383.9	480.1	600.5	749.3	924.8
25°	0.0	19.7	69.8	142.7	225.9	309.2	396.0	498.7	627.6	784.0	966.6
22.5°	0.0	20.0	71.9	147.2	232.6	317.3	407.0	515.7	652.3	817.6	1015.4
20°	0.0	20.4	73.7	151.3	238.6	324.5	416.9	531.0	674.6	848.0	1059.4
17.5°	0.0	20.7	75.4	155.0	244.0	330.9	425.7	544.6	694.4	874.9	1098.6
15°	0.0	21.0	76.9	158.2	248.7	336.5	433.4	556.5	711.7	898.5	1132.8
12.5°	0.0	21.2	78.1	160.8	252.6	341.3	439.9	566.5	726.4	918.5	1161.9
10°	0.0	21.4	79.1	163.1	255.9	345.2	445.2	574.8	738.4	935.0	1185.9
7.5°	0.0	21.5	79.9	164.8	258.4	348.3	449.4	581.3	747.8	947.8	1204.6
5°	0.0	21.6	80.4	166.0	260.2	350.5	452.4	585.9	754.6	957.0	1218.0
2.5°	0.0	21.7	80.8	166.8	261.3	351.8	454.2	588.7	758.6	962.6	1226.0
0°	0.0	21.7	80.9	167.0	261.7	352.2	454.8	589.6	760.0	964.4	1228.7
-2.5°	0.0	21.7	80.8	166.8	261.3	351.8	454.2	588.7	758.6	962.6	1226.0
-5°	0.0	21.6	80.4	166.0	260.2	350.5	452.4	585.9	754.6	957.0	1218.0
-7.5°	0.0	21.5	79.9	164.8	258.4	348.3	449.4	581.3	747.8	947.8	1204.6
-10°	0.0	21.4	79.1	163.1	255.9	345.2	445.2	574.8	738.4	935.0	1185.9
-12.5°	0.0	21.2	78.1	160.8	252.6	341.3	439.9	566.5	726.4	918.5	1161.9
-15°	0.0	21.0	76.9	158.2	248.7	336.5	433.4	556.5	711.7	898.5	1132.8
-17.5°	0.0	20.7	75.4	155.0	244.0	330.9	425.7	544.6	694.4	874.9	1098.6
-20°	0.0	20.4	73.7	151.3	238.6	324.5	416.9	531.0	674.6	848.0	1059.4

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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	20.0	71.9	147.2	232.6	317.3	407.0	515.7	652.3	817.6	1015.4
-25°	0.0	19.7	69.8	142.7	225.9	309.2	396.0	498.7	627.6	784.0	966.6
-27.5°	0.0	19.2	67.5	137.7	218.5	300.4	383.9	480.1	600.5	749.3	924.8
-30°	0.0	18.8	65.0	132.2	210.5	290.8	370.8	459.9	575.0	716.0	880.1
-32.5°	0.0	18.3	62.3	126.4	201.9	280.4	356.6	442.1	550.0	680.2	832.1
-35°	0.0	17.8	59.4	120.1	192.7	269.4	342.8	424.4	523.3	642.0	780.8
-37.5°	0.0	17.2	56.4	113.4	182.9	257.4	328.6	405.6	494.9	601.5	732.0
-40°	0.0	16.6	53.2	106.3	172.5	244.4	313.7	385.8	465.0	565.2	684.3
-42.5°	0.0	16.0	49.7	98.9	162.0	230.7	297.9	364.9	438.6	529.7	634.2
-45°	0.0	15.3	46.2	91.1	151.6	216.4	281.4	344.1	413.6	492.5	583.5
-47.5°	0.0	14.7	42.4	82.9	140.7	201.4	264.2	324.0	387.5	454.1	540.5
-50°	0.0	13.9	38.5	76.5	129.4	185.8	245.7	303.1	360.4	423.6	495.9
-52.5°	0.0	13.2	34.5	70.4	117.7	169.7	226.3	281.5	334.7	392.1	451.0
-55°	0.0	12.4	30.4	64.2	105.6	154.3	206.3	259.1	309.2	359.6	414.9
-57.5°	0.0	11.7	26.1	57.7	93.1	138.7	185.7	235.1	283.0	329.2	377.8
-60°	0.0	10.8	21.7	51.1	80.4	122.7	164.8	210.5	255.9	299.0	341.3
-62.5°	0.0	10.0	20.0	44.3	71.4	106.2	145.1	185.2	227.1	268.1	307.1
-65°	0.0	9.2	18.3	37.4	62.2	89.4	125.0	160.2	197.7	235.5	272.1
-67.5°	0.0	8.3	16.6	30.3	52.7	75.0	104.5	136.3	167.8	201.9	235.5
-70°	0.0	7.4	14.8	23.1	43.1	63.0	83.6	112.0	140.1	167.8	197.7
-72.5°	0.0	6.5	13.0	19.5	33.4	50.9	68.2	87.4	112.0	136.3	160.2
-75°	0.0	5.6	11.2	16.8	23.5	38.5	53.5	68.2	83.6	104.5	125.0
-77.5°	0.0	4.7	9.4	14.1	18.7	26.1	38.5	50.9	63.0	75.0	89.4
-80°	0.0	3.8	7.5	11.3	15.0	18.7	23.5	33.4	43.1	52.7	62.2
-82.5°	0.0	2.8	5.7	8.5	11.3	14.1	16.8	19.5	23.1	30.3	37.4
-85°	0.0	1.9	3.8	5.7	7.5	9.4	11.2	13.0	14.8	16.6	18.3
-87.5°	0.0	0.9	1.9	2.8	3.8	4.7	5.6	6.5	7.4	8.3	9.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P645382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2D-727-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°	10.0	10.8	11.7	12.4	13.2	13.9	14.7	15.3	16.0	16.6	17.2
85°	20.0	21.7	26.1	30.4	34.5	38.5	42.4	46.2	49.7	53.2	56.4
82.5°	44.3	51.1	57.7	64.2	70.4	76.5	82.9	91.1	98.9	106.3	113.4
80°	71.4	80.4	93.1	105.6	117.7	129.4	140.7	151.6	162.0	172.5	182.9
77.5°	106.2	122.7	138.7	154.3	169.7	185.8	201.4	216.4	230.7	244.4	257.4
75°	145.1	164.8	185.7	206.3	226.3	245.7	264.2	281.4	297.9	313.7	328.6
72.5°	185.2	210.5	235.1	259.1	281.5	303.1	324.0	344.1	364.9	385.8	405.6
70°	227.1	255.9	283.0	309.2	334.7	360.4	387.5	413.6	438.6	465.0	494.9
67.5°	268.1	299.0	329.2	359.6	392.1	423.6	454.1	492.5	529.7	565.2	601.5
65°	307.1	341.3	377.8	414.9	451.0	495.9	540.5	583.5	634.2	684.3	732.0
62.5°	345.3	387.0	428.7	474.1	526.3	577.0	635.7	695.7	753.4	818.5	881.8
60°	387.0	433.4	486.3	544.6	604.7	674.6	742.5	817.6	893.4	966.6	1056.4
57.5°	428.7	486.3	550.8	620.3	698.1	776.7	865.0	950.4	1052.9	1155.2	1257.1
55°	474.1	544.6	620.3	706.0	795.7	893.7	996.0	1115.3	1230.8	1359.4	1482.7
52.5°	526.3	604.7	698.1	795.7	903.2	1021.0	1153.1	1289.7	1433.6	1573.3	1710.3
50°	577.0	674.6	776.7	893.7	1021.0	1165.7	1319.4	1478.5	1635.5	1788.7	1932.2
47.5°	635.7	742.5	865.0	996.0	1153.1	1319.4	1493.5	1666.9	1836.3	1993.4	2144.0
45°	695.7	817.6	950.4	1115.3	1289.7	1478.5	1666.9	1852.2	2024.3	2186.7	2328.8
42.5°	753.4	893.4	1052.9	1230.8	1433.6	1635.5	1836.3	2024.3	2200.6	2357.1	2499.8
40°	818.5	966.6	1155.2	1359.4	1573.3	1788.7	1993.4	2186.7	2357.1	2512.8	2657.3
37.5°	881.8	1056.4	1257.1	1482.7	1710.3	1932.2	2144.0	2328.8	2499.8	2657.3	2796.0
35°	941.9	1141.8	1365.3	1602.1	1841.0	2066.7	2272.8	2461.0	2630.8	2783.7	2925.5
32.5°	1008.7	1222.5	1467.7	1716.8	1960.2	2190.0	2394.3	2578.4	2747.2	2902.5	3043.2
30°	1077.6	1309.6	1564.9	1824.9	2072.1	2296.9	2500.9	2687.2	2854.8	3008.1	3146.0
27.5°	1141.8	1391.7	1657.6	1922.6	2174.3	2397.1	2598.3	2781.8	2950.3	3104.6	3238.4
25°	1201.1	1467.7	1743.4	2012.1	2260.4	2483.7	2686.7	2870.1	3037.6	3185.8	3315.7
22.5°	1259.6	1537.3	1822.1	2094.2	2339.5	2561.1	2762.3	2946.1	3113.7	3260.5	3385.2
20°	1316.6	1602.1	1891.5	2167.1	2411.3	2631.4	2831.1	3014.5	3177.7	3319.8	3443.9
17.5°	1367.2	1659.8	1952.2	2225.9	2470.2	2691.4	2891.9	3075.9	3235.3	3373.3	3494.6
15°	1411.5	1710.3	2005.3	2277.4	2521.0	2741.3	2941.8	3123.8	3282.1	3418.9	3539.4
12.5°	1449.2	1753.3	2050.6	2321.4	2564.3	2784.0	2984.5	3164.1	3319.6	3454.7	3572.6
10°	1480.2	1788.7	2087.9	2357.6	2600.1	2819.3	3019.8	3197.4	3350.7	3484.4	3600.2
7.5°	1504.4	1816.4	2117.1	2386.0	2628.1	2846.9	3047.6	3223.5	3375.2	3507.8	3622.0
5°	1521.8	1836.3	2138.0	2406.4	2648.2	2866.7	3067.5	3242.4	3392.8	3524.7	3637.8
2.5°	1532.2	1848.2	2150.6	2418.6	2660.4	2878.7	3079.5	3253.7	3403.4	3534.9	3647.3
0°	1535.7	1852.2	2154.8	2422.7	2664.4	2882.7	3083.5	3257.5	3407.0	3538.3	3650.5
-2.5°	1532.2	1848.2	2150.6	2418.6	2660.4	2878.7	3079.5	3253.7	3403.4	3534.9	3647.3
-5°	1521.8	1836.3	2138.0	2406.4	2648.2	2866.7	3067.5	3242.4	3392.8	3524.7	3637.8
-7.5°	1504.4	1816.4	2117.1	2386.0	2628.1	2846.9	3047.6	3223.5	3375.2	3507.8	3622.0
-10°	1480.2	1788.7	2087.9	2357.6	2600.1	2819.3	3019.8	3197.4	3350.7	3484.4	3600.2
-12.5°	1449.2	1753.3	2050.6	2321.4	2564.3	2784.0	2984.5	3164.1	3319.6	3454.7	3572.6
-15°	1411.5	1710.3	2005.3	2277.4	2521.0	2741.3	2941.8	3123.8	3282.1	3418.9	3539.4
-17.5°	1367.2	1659.8	1952.2	2225.9	2470.2	2691.4	2891.9	3075.9	3235.3	3373.3	3494.6
-20°	1316.6	1602.1	1891.5	2167.1	2411.3	2631.4	2831.1	3014.5	3177.7	3319.8	3443.9



REPORT NUMBER: P645382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2D-727-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°	1259.6	1537.3	1822.1	2094.2	2339.5	2561.1	2762.3	2946.1	3113.7	3260.5	3385.2
-25°	1201.1	1467.7	1743.4	2012.1	2260.4	2483.7	2686.7	2870.1	3037.6	3185.8	3315.7
-27.5°	1141.8	1391.7	1657.6	1922.6	2174.3	2397.1	2598.3	2781.8	2950.3	3104.6	3238.4
-30°	1077.6	1309.6	1564.9	1824.9	2072.1	2296.9	2500.9	2687.2	2854.8	3008.1	3146.0
-32.5°	1008.7	1222.5	1467.7	1716.8	1960.2	2190.0	2394.3	2578.4	2747.2	2902.5	3043.2
-35°	941.9	1141.8	1365.3	1602.1	1841.0	2066.7	2272.8	2461.0	2630.8	2783.7	2925.5
-37.5°	881.8	1056.4	1257.1	1482.7	1710.3	1932.2	2144.0	2328.8	2499.8	2657.3	2796.0
-40°	818.5	966.6	1155.2	1359.4	1573.3	1788.7	1993.4	2186.7	2357.1	2512.8	2657.3
-42.5°	753.4	893.4	1052.9	1230.8	1433.6	1635.5	1836.3	2024.3	2200.6	2357.1	2499.8
-45°	695.7	817.6	950.4	1115.3	1289.7	1478.5	1666.9	1852.2	2024.3	2186.7	2328.8
-47.5°	635.7	742.5	865.0	996.0	1153.1	1319.4	1493.5	1666.9	1836.3	1993.4	2144.0
-50°	577.0	674.6	776.7	893.7	1021.0	1165.7	1319.4	1478.5	1635.5	1788.7	1932.2
-52.5°	526.3	604.7	698.1	795.7	903.2	1021.0	1153.1	1289.7	1433.6	1573.3	1710.3
-55°	474.1	544.6	620.3	706.0	795.7	893.7	996.0	1115.3	1230.8	1359.4	1482.7
-57.5°	428.7	486.3	550.8	620.3	698.1	776.7	865.0	950.4	1052.9	1155.2	1257.1
-60°	387.0	433.4	486.3	544.6	604.7	674.6	742.5	817.6	893.4	966.6	1056.4
-62.5°	345.3	387.0	428.7	474.1	526.3	577.0	635.7	695.7	753.4	818.5	881.8
-65°	307.1	341.3	377.8	414.9	451.0	495.9	540.5	583.5	634.2	684.3	732.0
-67.5°	268.1	299.0	329.2	359.6	392.1	423.6	454.1	492.5	529.7	565.2	601.5
-70°	227.1	255.9	283.0	309.2	334.7	360.4	387.5	413.6	438.6	465.0	494.9
-72.5°	185.2	210.5	235.1	259.1	281.5	303.1	324.0	344.1	364.9	385.8	405.6
-75°	145.1	164.8	185.7	206.3	226.3	245.7	264.2	281.4	297.9	313.7	328.6
-77.5°	106.2	122.7	138.7	154.3	169.7	185.8	201.4	216.4	230.7	244.4	257.4
-80°	71.4	80.4	93.1	105.6	117.7	129.4	140.7	151.6	162.0	172.5	182.9
-82.5°	44.3	51.1	57.7	64.2	70.4	76.5	82.9	91.1	98.9	106.3	113.4
-85°	20.0	21.7	26.1	30.4	34.5	38.5	42.4	46.2	49.7	53.2	56.4
-87.5°	10.0	10.8	11.7	12.4	13.2	13.9	14.7	15.3	16.0	16.6	17.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2D-727-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°	17.8	18.3	18.8	19.2	19.7	20.0	20.4	20.7	21.0	21.2	21.4
85°	59.4	62.3	65.0	67.5	69.8	71.9	73.7	75.4	76.9	78.1	79.1
82.5°	120.1	126.4	132.2	137.7	142.7	147.2	151.3	155.0	158.2	160.8	163.1
80°	192.7	201.9	210.5	218.5	225.9	232.6	238.6	244.0	248.7	252.6	255.9
77.5°	269.4	280.4	290.8	300.4	309.2	317.3	324.5	330.9	336.5	341.3	345.2
75°	342.8	356.6	370.8	383.9	396.0	407.0	416.9	425.7	433.4	439.9	445.2
72.5°	424.4	442.1	459.9	480.1	498.7	515.7	531.0	544.6	556.5	566.5	574.8
70°	523.3	550.0	575.0	600.5	627.6	652.3	674.6	694.4	711.7	726.4	738.4
67.5°	642.0	680.2	716.0	749.3	784.0	817.6	848.0	874.9	898.5	918.5	935.0
65°	780.8	832.1	880.1	924.8	966.6	1015.4	1059.4	1098.6	1132.8	1161.9	1185.9
62.5°	941.9	1008.7	1077.6	1141.8	1201.1	1259.6	1316.6	1367.2	1411.5	1449.2	1480.2
60°	1141.8	1222.5	1309.6	1391.7	1467.7	1537.3	1602.1	1659.8	1710.3	1753.3	1788.7
57.5°	1365.3	1467.7	1564.9	1657.6	1743.4	1822.1	1891.5	1952.2	2005.3	2050.6	2087.9
55°	1602.1	1716.8	1824.9	1922.6	2012.1	2094.2	2167.1	2225.9	2277.4	2321.4	2357.6
52.5°	1841.0	1960.2	2072.1	2174.3	2260.4	2339.5	2411.3	2470.2	2521.0	2564.3	2600.1
50°	2066.7	2190.0	2296.9	2397.1	2483.7	2561.1	2631.4	2691.4	2741.3	2784.0	2819.3
47.5°	2272.8	2394.3	2500.9	2598.3	2686.7	2762.3	2831.1	2891.9	2941.8	2984.5	3019.8
45°	2461.0	2578.4	2687.2	2781.8	2870.1	2946.1	3014.5	3075.9	3123.8	3164.1	3197.4
42.5°	2630.8	2747.2	2854.8	2950.3	3037.6	3113.7	3177.7	3235.3	3282.1	3319.6	3350.7
40°	2783.7	2902.5	3008.1	3104.6	3185.8	3260.5	3319.8	3373.3	3418.9	3454.7	3484.4
37.5°	2925.5	3043.2	3146.0	3238.4	3315.7	3385.2	3443.9	3494.6	3539.4	3572.6	3600.2
35°	3055.0	3166.9	3268.7	3353.3	3429.9	3495.4	3553.2	3600.0	3641.6	3673.2	3698.4
32.5°	3166.9	3277.9	3372.3	3455.6	3530.5	3591.6	3647.0	3689.9	3727.6	3758.1	3781.5
30°	3268.7	3372.3	3464.3	3546.8	3615.0	3674.5	3724.4	3766.3	3801.2	3830.2	3850.8
27.5°	3353.3	3455.6	3546.8	3623.0	3688.2	3745.5	3791.2	3831.5	3861.9	3888.7	3906.4
25°	3429.9	3530.5	3615.0	3688.2	3751.6	3803.9	3847.4	3883.9	3910.9	3933.8	3946.9
22.5°	3495.4	3591.6	3674.5	3745.5	3803.9	3852.7	3893.8	3924.6	3946.7	3960.5	3968.4
20°	3553.2	3647.0	3724.4	3791.2	3847.4	3893.8	3929.3	3952.1	3967.5	3971.3	3973.6
17.5°	3600.0	3689.9	3766.3	3831.5	3883.9	3924.6	3952.1	3968.3	3972.9	3972.0	3969.7
15°	3641.6	3727.6	3801.2	3861.9	3910.9	3946.7	3967.5	3972.9	3971.5	3966.9	3959.7
12.5°	3673.2	3758.1	3830.2	3888.7	3933.8	3960.5	3971.3	3972.0	3966.9	3958.0	3947.8
10°	3698.4	3781.5	3850.8	3906.4	3946.9	3968.4	3973.6	3969.7	3959.7	3947.8	3936.5
7.5°	3718.3	3800.0	3867.2	3920.5	3955.5	3970.8	3971.9	3964.7	3952.7	3939.1	3926.9
5°	3732.7	3813.5	3879.1	3930.8	3961.8	3972.5	3970.6	3960.8	3946.8	3932.6	3921.5
2.5°	3741.5	3821.7	3886.4	3937.1	3965.7	3973.6	3969.9	3958.3	3943.1	3928.4	3917.9
0°	3744.4	3824.4	3888.8	3939.2	3967.0	3974.0	3969.6	3957.5	3941.8	3927.0	3916.6
-2.5°	3741.5	3821.7	3886.4	3937.1	3965.7	3973.6	3969.9	3958.3	3943.1	3928.4	3917.9
-5°	3732.7	3813.5	3879.1	3930.8	3961.8	3972.5	3970.6	3960.8	3946.8	3932.6	3921.5
-7.5°	3718.3	3800.0	3867.2	3920.5	3955.5	3970.8	3971.9	3964.7	3952.7	3939.1	3926.9
-10°	3698.4	3781.5	3850.8	3906.4	3946.9	3968.4	3973.6	3969.7	3959.7	3947.8	3936.5
-12.5°	3673.2	3758.1	3830.2	3888.7	3933.8	3960.5	3971.3	3972.0	3966.9	3958.0	3947.8
-15°	3641.6	3727.6	3801.2	3861.9	3910.9	3946.7	3967.5	3972.9	3971.5	3966.9	3959.7
-17.5°	3600.0	3689.9	3766.3	3831.5	3883.9	3924.6	3952.1	3968.3	3972.9	3972.0	3969.7
-20°	3553.2	3647.0	3724.4	3791.2	3847.4	3893.8	3929.3	3952.1	3967.5	3971.3	3973.6



REPORT NUMBER: P645382 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3495.4	3591.6	3674.5	3745.5	3803.9	3852.7	3893.8	3924.6	3946.7	3960.5	3968.4
-25°	3429.9	3530.5	3615.0	3688.2	3751.6	3803.9	3847.4	3883.9	3910.9	3933.8	3946.9
-27.5°	3353.3	3455.6	3546.8	3623.0	3688.2	3745.5	3791.2	3831.5	3861.9	3888.7	3906.4
-30°	3268.7	3372.3	3464.3	3546.8	3615.0	3674.5	3724.4	3766.3	3801.2	3830.2	3850.8
-32.5°	3166.9	3277.9	3372.3	3455.6	3530.5	3591.6	3647.0	3689.9	3727.6	3758.1	3781.5
-35°	3055.0	3166.9	3268.7	3353.3	3429.9	3495.4	3553.2	3600.0	3641.6	3673.2	3698.4
-37.5°	2925.5	3043.2	3146.0	3238.4	3315.7	3385.2	3443.9	3494.6	3539.4	3572.6	3600.2
-40°	2783.7	2902.5	3008.1	3104.6	3185.8	3260.5	3319.8	3373.3	3418.9	3454.7	3484.4
-42.5°	2630.8	2747.2	2854.8	2950.3	3037.6	3113.7	3177.7	3235.3	3282.1	3319.6	3350.7
-45°	2461.0	2578.4	2687.2	2781.8	2870.1	2946.1	3014.5	3075.9	3123.8	3164.1	3197.4
-47.5°	2272.8	2394.3	2500.9	2598.3	2686.7	2762.3	2831.1	2891.9	2941.8	2984.5	3019.8
-50°	2066.7	2190.0	2296.9	2397.1	2483.7	2561.1	2631.4	2691.4	2741.3	2784.0	2819.3
-52.5°	1841.0	1960.2	2072.1	2174.3	2260.4	2339.5	2411.3	2470.2	2521.0	2564.3	2600.1
-55°	1602.1	1716.8	1824.9	1922.6	2012.1	2094.2	2167.1	2225.9	2277.4	2321.4	2357.6
-57.5°	1365.3	1467.7	1564.9	1657.6	1743.4	1822.1	1891.5	1952.2	2005.3	2050.6	2087.9
-60°	1141.8	1222.5	1309.6	1391.7	1467.7	1537.3	1602.1	1659.8	1710.3	1753.3	1788.7
-62.5°	941.9	1008.7	1077.6	1141.8	1201.1	1259.6	1316.6	1367.2	1411.5	1449.2	1480.2
-65°	780.8	832.1	880.1	924.8	966.6	1015.4	1059.4	1098.6	1132.8	1161.9	1185.9
-67.5°	642.0	680.2	716.0	749.3	784.0	817.6	848.0	874.9	898.5	918.5	935.0
-70°	523.3	550.0	575.0	600.5	627.6	652.3	674.6	694.4	711.7	726.4	738.4
-72.5°	424.4	442.1	459.9	480.1	498.7	515.7	531.0	544.6	556.5	566.5	574.8
-75°	342.8	356.6	370.8	383.9	396.0	407.0	416.9	425.7	433.4	439.9	445.2
-77.5°	269.4	280.4	290.8	300.4	309.2	317.3	324.5	330.9	336.5	341.3	345.2
-80°	192.7	201.9	210.5	218.5	225.9	232.6	238.6	244.0	248.7	252.6	255.9
-82.5°	120.1	126.4	132.2	137.7	142.7	147.2	151.3	155.0	158.2	160.8	163.1
-85°	59.4	62.3	65.0	67.5	69.8	71.9	73.7	75.4	76.9	78.1	79.1
-87.5°	17.8	18.3	18.8	19.2	19.7	20.0	20.4	20.7	21.0	21.2	21.4
-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: P645382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2D-727-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°	21.5	21.6	21.7	21.7	21.7	21.6	21.5	21.4	21.2	21.0	20.7
85°	79.9	80.4	80.8	80.9	80.8	80.4	79.9	79.1	78.1	76.9	75.4
82.5°	164.8	166.0	166.8	167.0	166.8	166.0	164.8	163.1	160.8	158.2	155.0
80°	258.4	260.2	261.3	261.7	261.3	260.2	258.4	255.9	252.6	248.7	244.0
77.5°	348.3	350.5	351.8	352.2	351.8	350.5	348.3	345.2	341.3	336.5	330.9
75°	449.4	452.4	454.2	454.8	454.2	452.4	449.4	445.2	439.9	433.4	425.7
72.5°	581.3	585.9	588.7	589.6	588.7	585.9	581.3	574.8	566.5	556.5	544.6
70°	747.8	754.6	758.6	760.0	758.6	754.6	747.8	738.4	726.4	711.7	694.4
67.5°	947.8	957.0	962.6	964.4	962.6	957.0	947.8	935.0	918.5	898.5	874.9
65°	1204.6	1218.0	1226.0	1228.7	1226.0	1218.0	1204.6	1185.9	1161.9	1132.8	1098.6
62.5°	1504.4	1521.8	1532.2	1535.7	1532.2	1521.8	1504.4	1480.2	1449.2	1411.5	1367.2
60°	1816.4	1836.3	1848.2	1852.2	1848.2	1836.3	1816.4	1788.7	1753.3	1710.3	1659.8
57.5°	2117.1	2138.0	2150.6	2154.8	2150.6	2138.0	2117.1	2087.9	2050.6	2005.3	1952.2
55°	2386.0	2406.4	2418.6	2422.7	2418.6	2406.4	2386.0	2357.6	2321.4	2277.4	2225.9
52.5°	2628.1	2648.2	2660.4	2664.4	2660.4	2648.2	2628.1	2600.1	2564.3	2521.0	2470.2
50°	2846.9	2866.7	2878.7	2882.7	2878.7	2866.7	2846.9	2819.3	2784.0	2741.3	2691.4
47.5°	3047.6	3067.5	3079.5	3083.5	3079.5	3067.5	3047.6	3019.8	2984.5	2941.8	2891.9
45°	3223.5	3242.4	3253.7	3257.5	3253.7	3242.4	3223.5	3197.4	3164.1	3123.8	3075.9
42.5°	3375.2	3392.8	3403.4	3407.0	3403.4	3392.8	3375.2	3350.7	3319.6	3282.1	3235.3
40°	3507.8	3524.7	3534.9	3538.3	3534.9	3524.7	3507.8	3484.4	3454.7	3418.9	3373.3
37.5°	3622.0	3637.8	3647.3	3650.5	3647.3	3637.8	3622.0	3600.2	3572.6	3539.4	3494.6
35°	3718.3	3732.7	3741.5	3744.4	3741.5	3732.7	3718.3	3698.4	3673.2	3641.6	3600.0
32.5°	3800.0	3813.5	3821.7	3824.4	3821.7	3813.5	3800.0	3781.5	3758.1	3727.6	3689.9
30°	3867.2	3879.1	3886.4	3888.8	3886.4	3879.1	3867.2	3850.8	3830.2	3801.2	3766.3
27.5°	3920.5	3930.8	3937.1	3939.2	3937.1	3930.8	3920.5	3906.4	3888.7	3861.9	3831.5
25°	3955.5	3961.8	3965.7	3967.0	3965.7	3961.8	3955.5	3946.9	3933.8	3910.9	3883.9
22.5°	3970.8	3972.5	3973.6	3974.0	3973.6	3972.5	3970.8	3968.4	3960.5	3946.7	3924.6
20°	3971.9	3970.6	3969.9	3969.6	3969.9	3970.6	3971.9	3973.6	3971.3	3967.5	3952.1
17.5°	3964.7	3960.8	3958.3	3957.5	3958.3	3960.8	3964.7	3969.7	3972.0	3972.9	3968.3
15°	3952.7	3946.8	3943.1	3941.8	3943.1	3946.8	3952.7	3959.7	3966.9	3971.5	3972.9
12.5°	3939.1	3932.6	3928.4	3927.0	3928.4	3932.6	3939.1	3947.8	3958.0	3966.9	3972.0
10°	3926.9	3921.5	3917.9	3916.6	3917.9	3921.5	3926.9	3936.5	3947.8	3959.7	3969.7
7.5°	3919.1	3914.2	3911.5	3910.5	3911.5	3914.2	3919.1	3926.9	3939.1	3952.7	3964.7
5°	3914.2	3909.3	3905.1	3903.5	3905.1	3909.3	3914.2	3921.5	3932.6	3946.8	3960.8
2.5°	3911.5	3905.1	3898.9	3895.7	3898.9	3905.1	3911.5	3917.9	3928.4	3943.1	3958.3
0°	<b>3910.5</b>	<b>3903.5</b>	<b>3895.7</b>	<b>3896.6</b>	<b>3895.7</b>	<b>3903.5</b>	<b>3910.5</b>	<b>3916.6</b>	<b>3927.0</b>	<b>3941.8</b>	<b>3957.5</b>
-2.5°	3911.5	3905.1	3898.9	3895.7	3898.9	3905.1	3911.5	3917.9	3928.4	3943.1	3958.3
-5°	3914.2	3909.3	3905.1	3903.5	3905.1	3909.3	3914.2	3921.5	3932.6	3946.8	3960.8
-7.5°	3919.1	3914.2	3911.5	3910.5	3911.5	3914.2	3919.1	3926.9	3939.1	3952.7	3964.7
-10°	3926.9	3921.5	3917.9	3916.6	3917.9	3921.5	3926.9	3936.5	3947.8	3959.7	3969.7
-12.5°	3939.1	3932.6	3928.4	3927.0	3928.4	3932.6	3939.1	3947.8	3958.0	3966.9	3972.0
-15°	3952.7	3946.8	3943.1	3941.8	3943.1	3946.8	3952.7	3959.7	3966.9	3971.5	3972.9
-17.5°	3964.7	3960.8	3958.3	3957.5	3958.3	3960.8	3964.7	3969.7	3972.0	3972.9	3968.3
-20°	3971.9	3970.6	3969.9	3969.6	3969.9	3970.6	3971.9	3973.6	3971.3	3967.5	3952.1



REPORT NUMBER: P645382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2D-727-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°	3970.8	3972.5	3973.6	3974.0	3973.6	3972.5	3970.8	3968.4	3960.5	3946.7	3924.6
-25°	3955.5	3961.8	3965.7	3967.0	3965.7	3961.8	3955.5	3946.9	3933.8	3910.9	3883.9
-27.5°	3920.5	3930.8	3937.1	3939.2	3937.1	3930.8	3920.5	3906.4	3888.7	3861.9	3831.5
-30°	3867.2	3879.1	3886.4	3888.8	3886.4	3879.1	3867.2	3850.8	3830.2	3801.2	3766.3
-32.5°	3800.0	3813.5	3821.7	3824.4	3821.7	3813.5	3800.0	3781.5	3758.1	3727.6	3689.9
-35°	3718.3	3732.7	3741.5	3744.4	3741.5	3732.7	3718.3	3698.4	3673.2	3641.6	3600.0
-37.5°	3622.0	3637.8	3647.3	3650.5	3647.3	3637.8	3622.0	3600.2	3572.6	3539.4	3494.6
-40°	3507.8	3524.7	3534.9	3538.3	3534.9	3524.7	3507.8	3484.4	3454.7	3418.9	3373.3
-42.5°	3375.2	3392.8	3403.4	3407.0	3403.4	3392.8	3375.2	3350.7	3319.6	3282.1	3235.3
-45°	3223.5	3242.4	3253.7	3257.5	3253.7	3242.4	3223.5	3197.4	3164.1	3123.8	3075.9
-47.5°	3047.6	3067.5	3079.5	3083.5	3079.5	3067.5	3047.6	3019.8	2984.5	2941.8	2891.9
-50°	2846.9	2866.7	2878.7	2882.7	2878.7	2866.7	2846.9	2819.3	2784.0	2741.3	2691.4
-52.5°	2628.1	2648.2	2660.4	2664.4	2660.4	2648.2	2628.1	2600.1	2564.3	2521.0	2470.2
-55°	2386.0	2406.4	2418.6	2422.7	2418.6	2406.4	2386.0	2357.6	2321.4	2277.4	2225.9
-57.5°	2117.1	2138.0	2150.6	2154.8	2150.6	2138.0	2117.1	2087.9	2050.6	2005.3	1952.2
-60°	1816.4	1836.3	1848.2	1852.2	1848.2	1836.3	1816.4	1788.7	1753.3	1710.3	1659.8
-62.5°	1504.4	1521.8	1532.2	1535.7	1532.2	1521.8	1504.4	1480.2	1449.2	1411.5	1367.2
-65°	1204.6	1218.0	1226.0	1228.7	1226.0	1218.0	1204.6	1185.9	1161.9	1132.8	1098.6
-67.5°	947.8	957.0	962.6	964.4	962.6	957.0	947.8	935.0	918.5	898.5	874.9
-70°	747.8	754.6	758.6	760.0	758.6	754.6	747.8	738.4	726.4	711.7	694.4
-72.5°	581.3	585.9	588.7	589.6	588.7	585.9	581.3	574.8	566.5	556.5	544.6
-75°	449.4	452.4	454.2	454.8	454.2	452.4	449.4	445.2	439.9	433.4	425.7
-77.5°	348.3	350.5	351.8	352.2	351.8	350.5	348.3	345.2	341.3	336.5	330.9
-80°	258.4	260.2	261.3	261.7	261.3	260.2	258.4	255.9	252.6	248.7	244.0
-82.5°	164.8	166.0	166.8	167.0	166.8	166.0	164.8	163.1	160.8	158.2	155.0
-85°	79.9	80.4	80.8	80.9	80.8	80.4	79.9	79.1	78.1	76.9	75.4
-87.5°	21.5	21.6	21.7	21.7	21.7	21.6	21.5	21.4	21.2	21.0	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: P645382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2D-727-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°	20.4	20.0	19.7	19.2	18.8	18.3	17.8	17.2	16.6	16.0	15.3
85°	73.7	71.9	69.8	67.5	65.0	62.3	59.4	56.4	53.2	49.7	46.2
82.5°	151.3	147.2	142.7	137.7	132.2	126.4	120.1	113.4	106.3	98.9	91.1
80°	238.6	232.6	225.9	218.5	210.5	201.9	192.7	182.9	172.5	162.0	151.6
77.5°	324.5	317.3	309.2	300.4	290.8	280.4	269.4	257.4	244.4	230.7	216.4
75°	416.9	407.0	396.0	383.9	370.8	356.6	342.8	328.6	313.7	297.9	281.4
72.5°	531.0	515.7	498.7	480.1	459.9	442.1	424.4	405.6	385.8	364.9	344.1
70°	674.6	652.3	627.6	600.5	575.0	550.0	523.3	494.9	465.0	438.6	413.6
67.5°	848.0	817.6	784.0	749.3	716.0	680.2	642.0	601.5	565.2	529.7	492.5
65°	1059.4	1015.4	966.6	924.8	880.1	832.1	780.8	732.0	684.3	634.2	583.5
62.5°	1316.6	1259.6	1201.1	1141.8	1077.6	1008.7	941.9	881.8	818.5	753.4	695.7
60°	1602.1	1537.3	1467.7	1391.7	1309.6	1222.5	1141.8	1056.4	966.6	893.4	817.6
57.5°	1891.5	1822.1	1743.4	1657.6	1564.9	1467.7	1365.3	1257.1	1155.2	1052.9	950.4
55°	2167.1	2094.2	2012.1	1922.6	1824.9	1716.8	1602.1	1482.7	1359.4	1230.8	1115.3
52.5°	2411.3	2339.5	2260.4	2174.3	2072.1	1960.2	1841.0	1710.3	1573.3	1433.6	1289.7
50°	2631.4	2561.1	2483.7	2397.1	2296.9	2190.0	2066.7	1932.2	1788.7	1635.5	1478.5
47.5°	2831.1	2762.3	2686.7	2598.3	2500.9	2394.3	2272.8	2144.0	1993.4	1836.3	1666.9
45°	3014.5	2946.1	2870.1	2781.8	2687.2	2578.4	2461.0	2328.8	2186.7	2024.3	1852.2
42.5°	3177.7	3113.7	3037.6	2950.3	2854.8	2747.2	2630.8	2499.8	2357.1	2200.6	2024.3
40°	3319.8	3260.5	3185.8	3104.6	3008.1	2902.5	2783.7	2657.3	2512.8	2357.1	2186.7
37.5°	3443.9	3385.2	3315.7	3238.4	3146.0	3043.2	2925.5	2796.0	2657.3	2499.8	2328.8
35°	3553.2	3495.4	3429.9	3353.3	3268.7	3166.9	3055.0	2925.5	2783.7	2630.8	2461.0
32.5°	3647.0	3591.6	3530.5	3455.6	3372.3	3277.9	3166.9	3043.2	2902.5	2747.2	2578.4
30°	3724.4	3674.5	3615.0	3546.8	3464.3	3372.3	3268.7	3146.0	3008.1	2854.8	2687.2
27.5°	3791.2	3745.5	3688.2	3623.0	3546.8	3455.6	3353.3	3238.4	3104.6	2950.3	2781.8
25°	3847.4	3803.9	3751.6	3688.2	3615.0	3530.5	3429.9	3315.7	3185.8	3037.6	2870.1
22.5°	3893.8	3852.7	3803.9	3745.5	3674.5	3591.6	3495.4	3385.2	3260.5	3113.7	2946.1
20°	3929.3	3893.8	3847.4	3791.2	3724.4	3647.0	3553.2	3443.9	3319.8	3177.7	3014.5
17.5°	3952.1	3924.6	3883.9	3831.5	3766.3	3689.9	3600.0	3494.6	3373.3	3235.3	3075.9
15°	3967.5	3946.7	3910.9	3861.9	3801.2	3727.6	3641.6	3539.4	3418.9	3282.1	3123.8
12.5°	3971.3	3960.5	3933.8	3888.7	3830.2	3758.1	3673.2	3572.6	3454.7	3319.6	3164.1
10°	3973.6	3968.4	3946.9	3906.4	3850.8	3781.5	3698.4	3600.2	3484.4	3350.7	3197.4
7.5°	3971.9	3970.8	3955.5	3920.5	3867.2	3800.0	3718.3	3622.0	3507.8	3375.2	3223.5
5°	3970.6	3972.5	3961.8	3930.8	3879.1	3813.5	3732.7	3637.8	3524.7	3392.8	3242.4
2.5°	3969.9	3973.6	3965.7	3937.1	3886.4	3821.7	3741.5	3647.3	3534.9	3403.4	3253.7
0°	3969.6	3974.0	3967.0	3939.2	3888.8	3824.4	3744.4	3650.5	3538.3	3407.0	3257.5
-2.5°	3969.9	3973.6	3965.7	3937.1	3886.4	3821.7	3741.5	3647.3	3534.9	3403.4	3253.7
-5°	3970.6	3972.5	3961.8	3930.8	3879.1	3813.5	3732.7	3637.8	3524.7	3392.8	3242.4
-7.5°	3971.9	3970.8	3955.5	3920.5	3867.2	3800.0	3718.3	3622.0	3507.8	3375.2	3223.5
-10°	3973.6	3968.4	3946.9	3906.4	3850.8	3781.5	3698.4	3600.2	3484.4	3350.7	3197.4
-12.5°	3971.3	3960.5	3933.8	3888.7	3830.2	3758.1	3673.2	3572.6	3454.7	3319.6	3164.1
-15°	3967.5	3946.7	3910.9	3861.9	3801.2	3727.6	3641.6	3539.4	3418.9	3282.1	3123.8
-17.5°	3952.1	3924.6	3883.9	3831.5	3766.3	3689.9	3600.0	3494.6	3373.3	3235.3	3075.9
-20°	3929.3	3893.8	3847.4	3791.2	3724.4	3647.0	3553.2	3443.9	3319.8	3177.7	3014.5



REPORT NUMBER: P645382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2D-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3893.8	3852.7	3803.9	3745.5	3674.5	3591.6	3495.4	3385.2	3260.5	3113.7	2946.1
-25°	3847.4	3803.9	3751.6	3688.2	3615.0	3530.5	3429.9	3315.7	3185.8	3037.6	2870.1
-27.5°	3791.2	3745.5	3688.2	3623.0	3546.8	3455.6	3353.3	3238.4	3104.6	2950.3	2781.8
-30°	3724.4	3674.5	3615.0	3546.8	3464.3	3372.3	3268.7	3146.0	3008.1	2854.8	2687.2
-32.5°	3647.0	3591.6	3530.5	3455.6	3372.3	3277.9	3166.9	3043.2	2902.5	2747.2	2578.4
-35°	3553.2	3495.4	3429.9	3353.3	3268.7	3166.9	3055.0	2925.5	2783.7	2630.8	2461.0
-37.5°	3443.9	3385.2	3315.7	3238.4	3146.0	3043.2	2925.5	2796.0	2657.3	2499.8	2328.8
-40°	3319.8	3260.5	3185.8	3104.6	3008.1	2902.5	2783.7	2657.3	2512.8	2357.1	2186.7
-42.5°	3177.7	3113.7	3037.6	2950.3	2854.8	2747.2	2630.8	2499.8	2357.1	2200.6	2024.3
-45°	3014.5	2946.1	2870.1	2781.8	2687.2	2578.4	2461.0	2328.8	2186.7	2024.3	1852.2
-47.5°	2831.1	2762.3	2686.7	2598.3	2500.9	2394.3	2272.8	2144.0	1993.4	1836.3	1666.9
-50°	2631.4	2561.1	2483.7	2397.1	2296.9	2190.0	2066.7	1932.2	1788.7	1635.5	1478.5
-52.5°	2411.3	2339.5	2260.4	2174.3	2072.1	1960.2	1841.0	1710.3	1573.3	1433.6	1289.7
-55°	2167.1	2094.2	2012.1	1922.6	1824.9	1716.8	1602.1	1482.7	1359.4	1230.8	1115.3
-57.5°	1891.5	1822.1	1743.4	1657.6	1564.9	1467.7	1365.3	1257.1	1155.2	1052.9	950.4
-60°	1602.1	1537.3	1467.7	1391.7	1309.6	1222.5	1141.8	1056.4	966.6	893.4	817.6
-62.5°	1316.6	1259.6	1201.1	1141.8	1077.6	1008.7	941.9	881.8	818.5	753.4	695.7
-65°	1059.4	1015.4	966.6	924.8	880.1	832.1	780.8	732.0	684.3	634.2	583.5
-67.5°	848.0	817.6	784.0	749.3	716.0	680.2	642.0	601.5	565.2	529.7	492.5
-70°	674.6	652.3	627.6	600.5	575.0	550.0	523.3	494.9	465.0	438.6	413.6
-72.5°	531.0	515.7	498.7	480.1	459.9	442.1	424.4	405.6	385.8	364.9	344.1
-75°	416.9	407.0	396.0	383.9	370.8	356.6	342.8	328.6	313.7	297.9	281.4
-77.5°	324.5	317.3	309.2	300.4	290.8	280.4	269.4	257.4	244.4	230.7	216.4
-80°	238.6	232.6	225.9	218.5	210.5	201.9	192.7	182.9	172.5	162.0	151.6
-82.5°	151.3	147.2	142.7	137.7	132.2	126.4	120.1	113.4	106.3	98.9	91.1
-85°	73.7	71.9	69.8	67.5	65.0	62.3	59.4	56.4	53.2	49.7	46.2
-87.5°	20.4	20.0	19.7	19.2	18.8	18.3	17.8	17.2	16.6	16.0	15.3
-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: P645382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2D-727-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°	14.7	13.9	13.2	12.4	11.7	10.8	10.0	9.2	8.3	7.4	6.5
85°	42.4	38.5	34.5	30.4	26.1	21.7	20.0	18.3	16.6	14.8	13.0
82.5°	82.9	76.5	70.4	64.2	57.7	51.1	44.3	37.4	30.3	23.1	19.5
80°	140.7	129.4	117.7	105.6	93.1	80.4	71.4	62.2	52.7	43.1	33.4
77.5°	201.4	185.8	169.7	154.3	138.7	122.7	106.2	89.4	75.0	63.0	50.9
75°	264.2	245.7	226.3	206.3	185.7	164.8	145.1	125.0	104.5	83.6	68.2
72.5°	324.0	303.1	281.5	259.1	235.1	210.5	185.2	160.2	136.3	112.0	87.4
70°	387.5	360.4	334.7	309.2	283.0	255.9	227.1	197.7	167.8	140.1	112.0
67.5°	454.1	423.6	392.1	359.6	329.2	299.0	268.1	235.5	201.9	167.8	136.3
65°	540.5	495.9	451.0	414.9	377.8	341.3	307.1	272.1	235.5	197.7	160.2
62.5°	635.7	577.0	526.3	474.1	428.7	387.0	345.3	307.1	268.1	227.1	185.2
60°	742.5	674.6	604.7	544.6	486.3	433.4	387.0	341.3	299.0	255.9	210.5
57.5°	865.0	776.7	698.1	620.3	550.8	486.3	428.7	377.8	329.2	283.0	235.1
55°	996.0	893.7	795.7	706.0	620.3	544.6	474.1	414.9	359.6	309.2	259.1
52.5°	1153.1	1021.0	903.2	795.7	698.1	604.7	526.3	451.0	392.1	334.7	281.5
50°	1319.4	1165.7	1021.0	893.7	776.7	674.6	577.0	495.9	423.6	360.4	303.1
47.5°	1493.5	1319.4	1153.1	996.0	865.0	742.5	635.7	540.5	454.1	387.5	324.0
45°	1666.9	1478.5	1289.7	1115.3	950.4	817.6	695.7	583.5	492.5	413.6	344.1
42.5°	1836.3	1635.5	1433.6	1230.8	1052.9	893.4	753.4	634.2	529.7	438.6	364.9
40°	1993.4	1788.7	1573.3	1359.4	1155.2	966.6	818.5	684.3	565.2	465.0	385.8
37.5°	2144.0	1932.2	1710.3	1482.7	1257.1	1056.4	881.8	732.0	601.5	494.9	405.6
35°	2272.8	2066.7	1841.0	1602.1	1365.3	1141.8	941.9	780.8	642.0	523.3	424.4
32.5°	2394.3	2190.0	1960.2	1716.8	1467.7	1222.5	1008.7	832.1	680.2	550.0	442.1
30°	2500.9	2296.9	2072.1	1824.9	1564.9	1309.6	1077.6	880.1	716.0	575.0	459.9
27.5°	2598.3	2397.1	2174.3	1922.6	1657.6	1391.7	1141.8	924.8	749.3	600.5	480.1
25°	2686.7	2483.7	2260.4	2012.1	1743.4	1467.7	1201.1	966.6	784.0	627.6	498.7
22.5°	2762.3	2561.1	2339.5	2094.2	1822.1	1537.3	1259.6	1015.4	817.6	652.3	515.7
20°	2831.1	2631.4	2411.3	2167.1	1891.5	1602.1	1316.6	1059.4	848.0	674.6	531.0
17.5°	2891.9	2691.4	2470.2	2225.9	1952.2	1659.8	1367.2	1098.6	874.9	694.4	544.6
15°	2941.8	2741.3	2521.0	2277.4	2005.3	1710.3	1411.5	1132.8	898.5	711.7	556.5
12.5°	2984.5	2784.0	2564.3	2321.4	2050.6	1753.3	1449.2	1161.9	918.5	726.4	566.5
10°	3019.8	2819.3	2600.1	2357.6	2087.9	1788.7	1480.2	1185.9	935.0	738.4	574.8
7.5°	3047.6	2846.9	2628.1	2386.0	2117.1	1816.4	1504.4	1204.6	947.8	747.8	581.3
5°	3067.5	2866.7	2648.2	2406.4	2138.0	1836.3	1521.8	1218.0	957.0	754.6	585.9
2.5°	3079.5	2878.7	2660.4	2418.6	2150.6	1848.2	1532.2	1226.0	962.6	758.6	588.7
0°	3083.5	2882.7	2664.4	2422.7	2154.8	1852.2	1535.7	1228.7	964.4	760.0	589.6
-2.5°	3079.5	2878.7	2660.4	2418.6	2150.6	1848.2	1532.2	1226.0	962.6	758.6	588.7
-5°	3067.5	2866.7	2648.2	2406.4	2138.0	1836.3	1521.8	1218.0	957.0	754.6	585.9
-7.5°	3047.6	2846.9	2628.1	2386.0	2117.1	1816.4	1504.4	1204.6	947.8	747.8	581.3
-10°	3019.8	2819.3	2600.1	2357.6	2087.9	1788.7	1480.2	1185.9	935.0	738.4	574.8
-12.5°	2984.5	2784.0	2564.3	2321.4	2050.6	1753.3	1449.2	1161.9	918.5	726.4	566.5
-15°	2941.8	2741.3	2521.0	2277.4	2005.3	1710.3	1411.5	1132.8	898.5	711.7	556.5
-17.5°	2891.9	2691.4	2470.2	2225.9	1952.2	1659.8	1367.2	1098.6	874.9	694.4	544.6
-20°	2831.1	2631.4	2411.3	2167.1	1891.5	1602.1	1316.6	1059.4	848.0	674.6	531.0



REPORT NUMBER: P645382 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2762.3	2561.1	2339.5	2094.2	1822.1	1537.3	1259.6	1015.4	817.6	652.3	515.7
-25°	2686.7	2483.7	2260.4	2012.1	1743.4	1467.7	1201.1	966.6	784.0	627.6	498.7
-27.5°	2598.3	2397.1	2174.3	1922.6	1657.6	1391.7	1141.8	924.8	749.3	600.5	480.1
-30°	2500.9	2296.9	2072.1	1824.9	1564.9	1309.6	1077.6	880.1	716.0	575.0	459.9
-32.5°	2394.3	2190.0	1960.2	1716.8	1467.7	1222.5	1008.7	832.1	680.2	550.0	442.1
-35°	2272.8	2066.7	1841.0	1602.1	1365.3	1141.8	941.9	780.8	642.0	523.3	424.4
-37.5°	2144.0	1932.2	1710.3	1482.7	1257.1	1056.4	881.8	732.0	601.5	494.9	405.6
-40°	1993.4	1788.7	1573.3	1359.4	1155.2	966.6	818.5	684.3	565.2	465.0	385.8
-42.5°	1836.3	1635.5	1433.6	1230.8	1052.9	893.4	753.4	634.2	529.7	438.6	364.9
-45°	1666.9	1478.5	1289.7	1115.3	950.4	817.6	695.7	583.5	492.5	413.6	344.1
-47.5°	1493.5	1319.4	1153.1	996.0	865.0	742.5	635.7	540.5	454.1	387.5	324.0
-50°	1319.4	1165.7	1021.0	893.7	776.7	674.6	577.0	495.9	423.6	360.4	303.1
-52.5°	1153.1	1021.0	903.2	795.7	698.1	604.7	526.3	451.0	392.1	334.7	281.5
-55°	996.0	893.7	795.7	706.0	620.3	544.6	474.1	414.9	359.6	309.2	259.1
-57.5°	865.0	776.7	698.1	620.3	550.8	486.3	428.7	377.8	329.2	283.0	235.1
-60°	742.5	674.6	604.7	544.6	486.3	433.4	387.0	341.3	299.0	255.9	210.5
-62.5°	635.7	577.0	526.3	474.1	428.7	387.0	345.3	307.1	268.1	227.1	185.2
-65°	540.5	495.9	451.0	414.9	377.8	341.3	307.1	272.1	235.5	197.7	160.2
-67.5°	454.1	423.6	392.1	359.6	329.2	299.0	268.1	235.5	201.9	167.8	136.3
-70°	387.5	360.4	334.7	309.2	283.0	255.9	227.1	197.7	167.8	140.1	112.0
-72.5°	324.0	303.1	281.5	259.1	235.1	210.5	185.2	160.2	136.3	112.0	87.4
-75°	264.2	245.7	226.3	206.3	185.7	164.8	145.1	125.0	104.5	83.6	68.2
-77.5°	201.4	185.8	169.7	154.3	138.7	122.7	106.2	89.4	75.0	63.0	50.9
-80°	140.7	129.4	117.7	105.6	93.1	80.4	71.4	62.2	52.7	43.1	33.4
-82.5°	82.9	76.5	70.4	64.2	57.7	51.1	44.3	37.4	30.3	23.1	19.5
-85°	42.4	38.5	34.5	30.4	26.1	21.7	20.0	18.3	16.6	14.8	13.0
-87.5°	14.7	13.9	13.2	12.4	11.7	10.8	10.0	9.2	8.3	7.4	6.5
-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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REPORT NUMBER: P645382 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	5.6	4.7	3.8	2.8	1.9	0.9	0.0
85°	11.2	9.4	7.5	5.7	3.8	1.9	0.0
82.5°	16.8	14.1	11.3	8.5	5.7	2.8	0.0
80°	23.5	18.7	15.0	11.3	7.5	3.8	0.0
77.5°	38.5	26.1	18.7	14.1	9.4	4.7	0.0
75°	53.5	38.5	23.5	16.8	11.2	5.6	0.0
72.5°	68.2	50.9	33.4	19.5	13.0	6.5	0.0
70°	83.6	63.0	43.1	23.1	14.8	7.4	0.0
67.5°	104.5	75.0	52.7	30.3	16.6	8.3	0.0
65°	125.0	89.4	62.2	37.4	18.3	9.2	0.0
62.5°	145.1	106.2	71.4	44.3	20.0	10.0	0.0
60°	164.8	122.7	80.4	51.1	21.7	10.8	0.0
57.5°	185.7	138.7	93.1	57.7	26.1	11.7	0.0
55°	206.3	154.3	105.6	64.2	30.4	12.4	0.0
52.5°	226.3	169.7	117.7	70.4	34.5	13.2	0.0
50°	245.7	185.8	129.4	76.5	38.5	13.9	0.0
47.5°	264.2	201.4	140.7	82.9	42.4	14.7	0.0
45°	281.4	216.4	151.6	91.1	46.2	15.3	0.0
42.5°	297.9	230.7	162.0	98.9	49.7	16.0	0.0
40°	313.7	244.4	172.5	106.3	53.2	16.6	0.0
37.5°	328.6	257.4	182.9	113.4	56.4	17.2	0.0
35°	342.8	269.4	192.7	120.1	59.4	17.8	0.0
32.5°	356.6	280.4	201.9	126.4	62.3	18.3	0.0
30°	370.8	290.8	210.5	132.2	65.0	18.8	0.0
27.5°	383.9	300.4	218.5	137.7	67.5	19.2	0.0
25°	396.0	309.2	225.9	142.7	69.8	19.7	0.0
22.5°	407.0	317.3	232.6	147.2	71.9	20.0	0.0
20°	416.9	324.5	238.6	151.3	73.7	20.4	0.0
17.5°	425.7	330.9	244.0	155.0	75.4	20.7	0.0
15°	433.4	336.5	248.7	158.2	76.9	21.0	0.0
12.5°	439.9	341.3	252.6	160.8	78.1	21.2	0.0
10°	445.2	345.2	255.9	163.1	79.1	21.4	0.0
7.5°	449.4	348.3	258.4	164.8	79.9	21.5	0.0
5°	452.4	350.5	260.2	166.0	80.4	21.6	0.0
2.5°	454.2	351.8	261.3	166.8	80.8	21.7	0.0
0°	454.8	352.2	261.7	167.0	80.9	21.7	0.0
-2.5°	454.2	351.8	261.3	166.8	80.8	21.7	0.0
-5°	452.4	350.5	260.2	166.0	80.4	21.6	0.0
-7.5°	449.4	348.3	258.4	164.8	79.9	21.5	0.0
-10°	445.2	345.2	255.9	163.1	79.1	21.4	0.0
-12.5°	439.9	341.3	252.6	160.8	78.1	21.2	0.0
-15°	433.4	336.5	248.7	158.2	76.9	21.0	0.0
-17.5°	425.7	330.9	244.0	155.0	75.4	20.7	0.0
-20°	416.9	324.5	238.6	151.3	73.7	20.4	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	407.0	317.3	232.6	147.2	71.9	20.0	0.0
-25°	396.0	309.2	225.9	142.7	69.8	19.7	0.0
-27.5°	383.9	300.4	218.5	137.7	67.5	19.2	0.0
-30°	370.8	290.8	210.5	132.2	65.0	18.8	0.0
-32.5°	356.6	280.4	201.9	126.4	62.3	18.3	0.0
-35°	342.8	269.4	192.7	120.1	59.4	17.8	0.0
-37.5°	328.6	257.4	182.9	113.4	56.4	17.2	0.0
-40°	313.7	244.4	172.5	106.3	53.2	16.6	0.0
-42.5°	297.9	230.7	162.0	98.9	49.7	16.0	0.0
-45°	281.4	216.4	151.6	91.1	46.2	15.3	0.0
-47.5°	264.2	201.4	140.7	82.9	42.4	14.7	0.0
-50°	245.7	185.8	129.4	76.5	38.5	13.9	0.0
-52.5°	226.3	169.7	117.7	70.4	34.5	13.2	0.0
-55°	206.3	154.3	105.6	64.2	30.4	12.4	0.0
-57.5°	185.7	138.7	93.1	57.7	26.1	11.7	0.0
-60°	164.8	122.7	80.4	51.1	21.7	10.8	0.0
-62.5°	145.1	106.2	71.4	44.3	20.0	10.0	0.0
-65°	125.0	89.4	62.2	37.4	18.3	9.2	0.0
-67.5°	104.5	75.0	52.7	30.3	16.6	8.3	0.0
-70°	83.6	63.0	43.1	23.1	14.8	7.4	0.0
-72.5°	68.2	50.9	33.4	19.5	13.0	6.5	0.0
-75°	53.5	38.5	23.5	16.8	11.2	5.6	0.0
-77.5°	38.5	26.1	18.7	14.1	9.4	4.7	0.0
-80°	23.5	18.7	15.0	11.3	7.5	3.8	0.0
-82.5°	16.8	14.1	11.3	8.5	5.7	2.8	0.0
-85°	11.2	9.4	7.5	5.7	3.8	1.9	0.0
-87.5°	5.6	4.7	3.8	2.8	1.9	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)