

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: P645404 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3B-722-U-LAM-XX**

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P645404 (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-SA3B-722-U-LAM-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

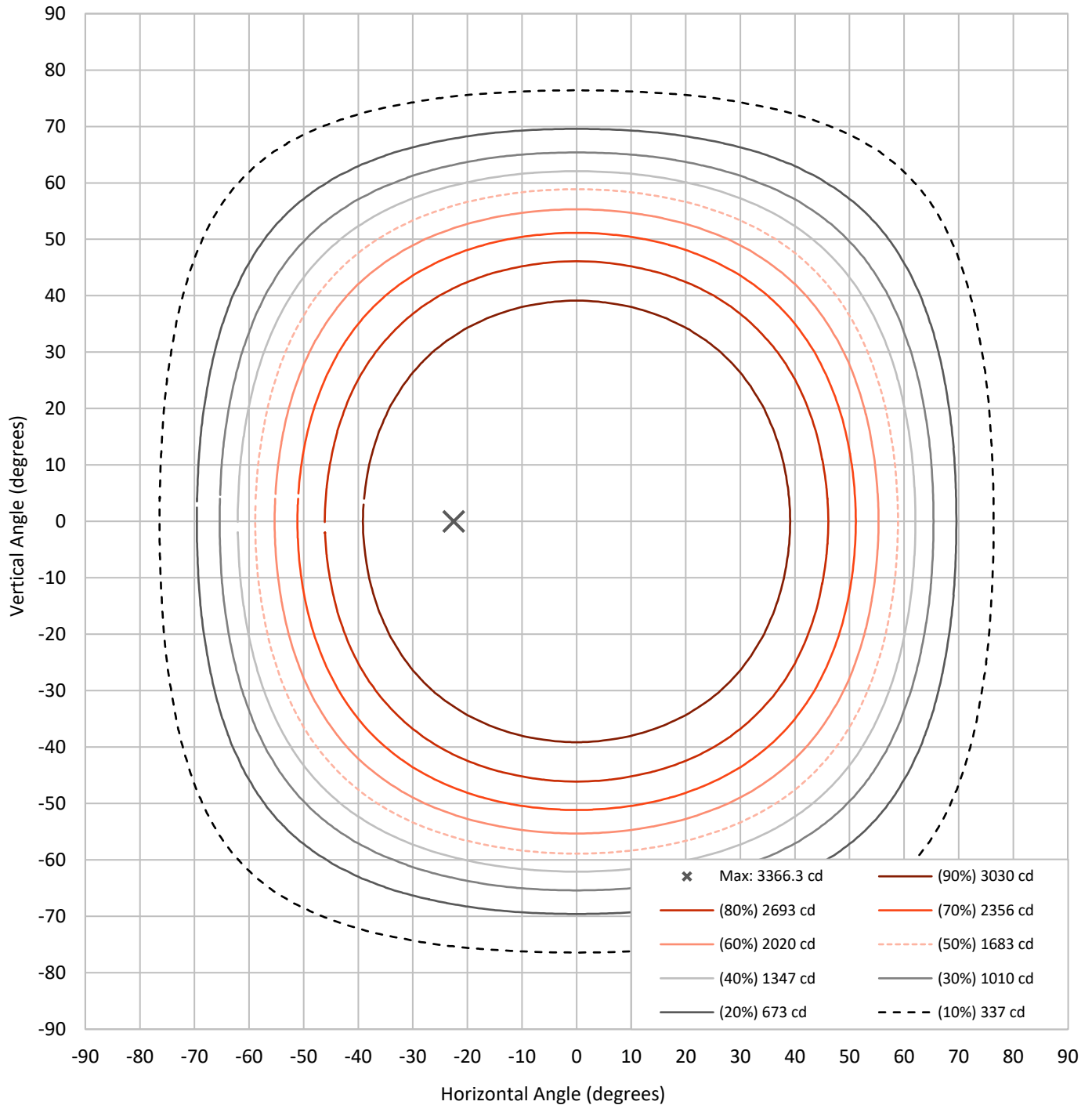
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	10297.6 lumens	Max Intensity:	3366.3 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	109.9 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:	8569.9 lumens	Field Lumens:	10095.1 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	93.7		
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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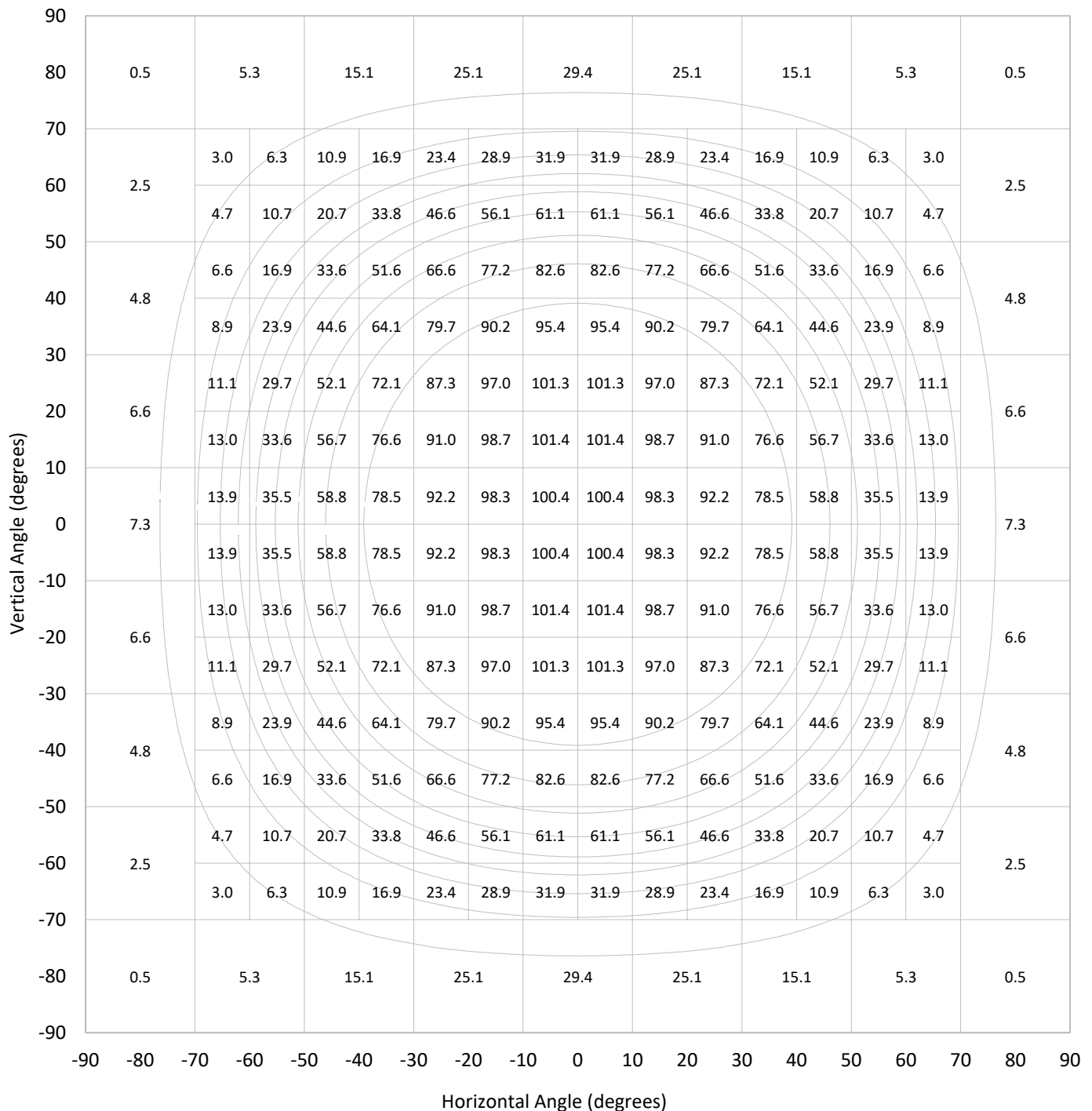
### Iso-Candela Plot





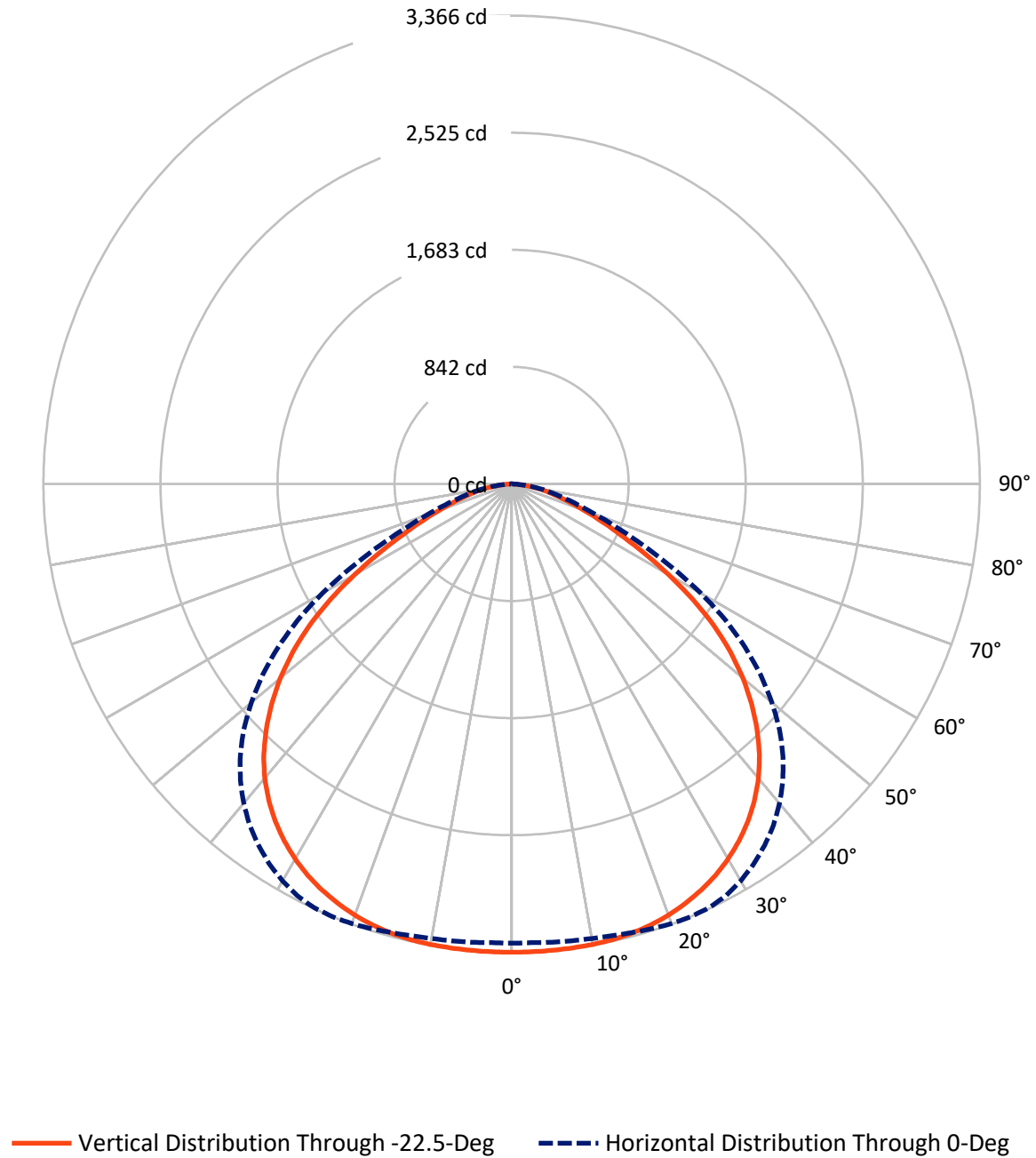
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### Lumen Table



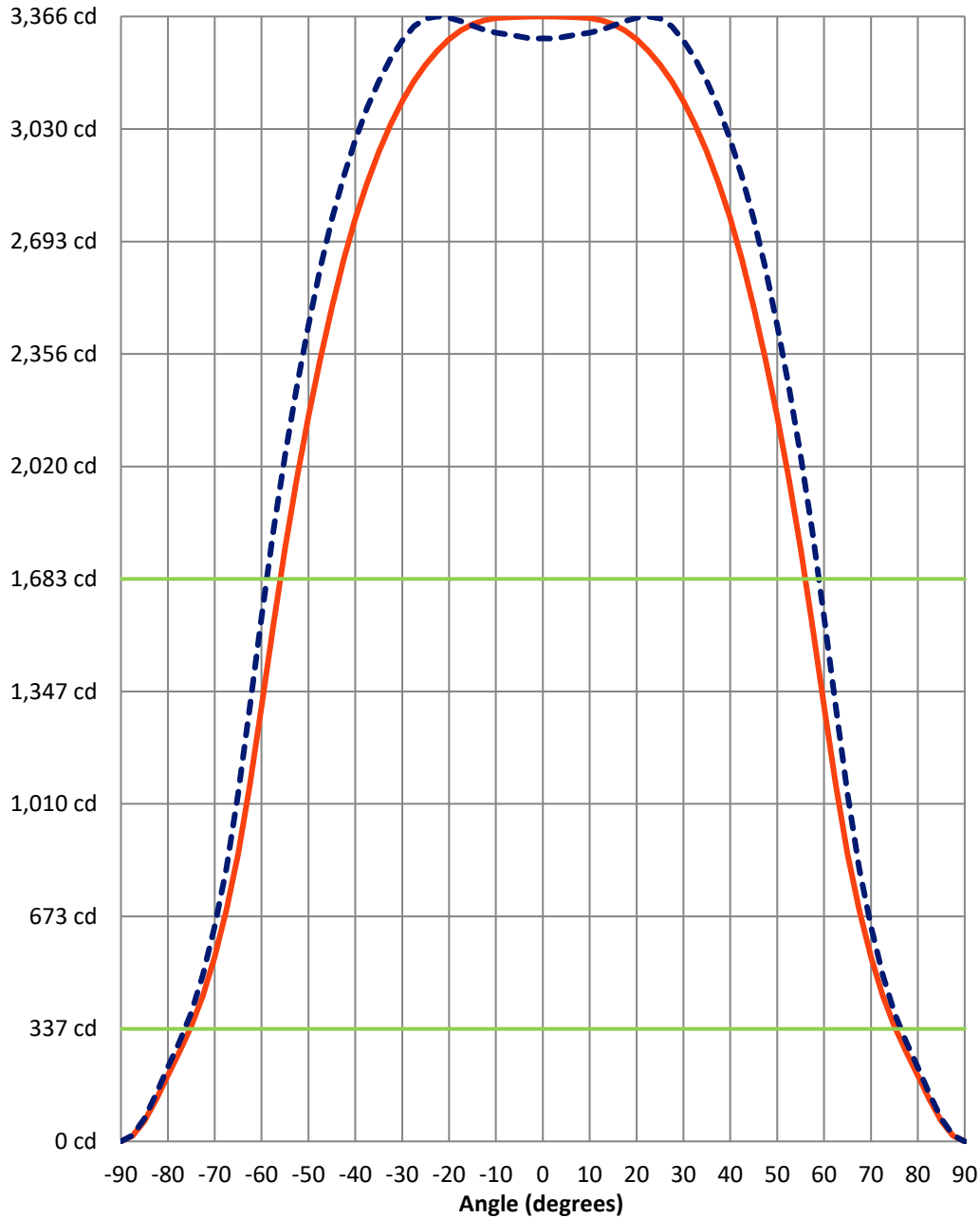
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 8569.9  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 10095.1  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 202.5  
 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	0.8	1.6	2.4	3.2	4.0	4.8	5.5	6.3	7.0	7.8
85°	0.0	1.6	3.2	4.8	6.4	8.0	9.5	11.1	12.6	14.1	15.5
82.5°	0.0	2.4	4.8	7.2	9.6	11.9	14.2	16.6	19.6	25.7	31.7
80°	0.0	3.2	6.4	9.6	12.7	15.9	19.9	28.3	36.5	44.7	52.6
77.5°	0.0	4.0	8.0	11.9	15.9	22.1	32.7	43.1	53.4	63.5	75.7
75°	0.0	4.8	9.5	14.2	19.9	32.7	45.3	57.8	70.8	88.5	105.8
72.5°	0.0	5.5	11.1	16.6	28.3	43.1	57.8	74.0	94.8	115.4	135.6
70°	0.0	6.3	12.6	19.6	36.5	53.4	70.8	94.8	118.6	142.1	167.4
67.5°	0.0	7.0	14.1	25.7	44.7	63.5	88.5	115.4	142.1	171.0	199.4
65°	0.0	7.8	15.5	31.7	52.6	75.7	105.8	135.6	167.4	199.4	230.5
62.5°	0.0	8.5	17.0	37.5	60.5	90.0	122.8	156.9	192.4	227.1	260.1
60°	0.0	9.2	18.4	43.3	68.1	103.9	139.5	178.3	216.8	253.3	289.1
57.5°	0.0	9.9	22.1	48.9	78.8	117.4	157.3	199.2	239.8	278.9	320.0
55°	0.0	10.6	25.7	54.3	89.4	130.7	174.7	219.5	261.9	304.5	351.4
52.5°	0.0	11.2	29.2	59.6	99.6	143.7	191.7	238.5	283.5	332.1	382.0
50°	0.0	11.8	32.7	64.7	109.6	157.4	208.1	256.8	305.3	358.8	420.0
47.5°	0.0	12.4	35.9	70.2	119.2	170.6	223.9	274.4	328.2	384.6	457.8
45°	0.0	13.0	39.1	77.1	128.4	183.3	238.4	291.5	350.3	417.2	494.3
42.5°	0.0	13.6	42.1	83.7	137.2	195.4	252.4	309.0	371.5	448.6	537.2
40°	0.0	14.1	45.0	90.0	146.0	207.0	265.7	326.7	393.8	478.7	579.7
37.5°	0.0	14.6	47.8	96.0	154.8	218.1	278.4	343.6	419.2	509.5	620.1
35°	0.0	15.1	50.3	101.7	163.2	228.2	290.3	359.5	443.2	543.8	661.4
32.5°	0.0	15.5	52.8	107.0	171.0	237.6	302.1	374.5	465.9	576.2	704.8
30°	0.0	15.9	55.0	112.0	178.3	246.3	314.0	389.5	487.0	606.5	745.5
27.5°	0.0	16.3	57.2	116.6	185.1	254.4	325.1	406.7	508.7	634.7	783.4
25°	0.0	16.7	59.1	120.8	191.3	261.9	335.4	422.4	531.6	664.1	818.8
22.5°	0.0	17.0	60.9	124.7	197.0	268.7	344.7	436.8	552.6	692.6	860.1
20°	0.0	17.3	62.4	128.1	202.1	274.9	353.1	449.8	571.4	718.3	897.4
17.5°	0.0	17.5	63.9	131.2	206.7	280.3	360.5	461.3	588.2	741.1	930.6
15°	0.0	17.8	65.1	133.9	210.6	285.0	367.0	471.3	602.8	761.1	959.6
12.5°	0.0	18.0	66.1	136.2	214.0	289.1	372.6	479.9	615.3	778.0	984.2
10°	0.0	18.1	67.0	138.1	216.8	292.4	377.1	486.9	625.5	792.0	1004.5
7.5°	0.0	18.2	67.6	139.5	218.9	295.0	380.6	492.3	633.5	802.9	1020.3
5°	0.0	18.3	68.1	140.6	220.5	296.8	383.2	496.3	639.2	810.6	1031.7
2.5°	0.0	18.4	68.4	141.2	221.4	297.9	384.7	498.6	642.7	815.3	1038.5
0°	0.0	18.4	68.5	141.4	221.7	298.3	385.2	499.4	643.8	816.9	1040.8
-2.5°	0.0	18.4	68.4	141.2	221.4	297.9	384.7	498.6	642.7	815.3	1038.5
-5°	0.0	18.3	68.1	140.6	220.5	296.8	383.2	496.3	639.2	810.6	1031.7
-7.5°	0.0	18.2	67.6	139.5	218.9	295.0	380.6	492.3	633.5	802.9	1020.3
-10°	0.0	18.1	67.0	138.1	216.8	292.4	377.1	486.9	625.5	792.0	1004.5
-12.5°	0.0	18.0	66.1	136.2	214.0	289.1	372.6	479.9	615.3	778.0	984.2
-15°	0.0	17.8	65.1	133.9	210.6	285.0	367.0	471.3	602.8	761.1	959.6
-17.5°	0.0	17.5	63.9	131.2	206.7	280.3	360.5	461.3	588.2	741.1	930.6
-20°	0.0	17.3	62.4	128.1	202.1	274.9	353.1	449.8	571.4	718.3	897.4

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CATALOG NUMBER: GFLD-SA3B-722-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	17.0	60.9	124.7	197.0	268.7	344.7	436.8	552.6	692.6	860.1
-25°	0.0	16.7	59.1	120.8	191.3	261.9	335.4	422.4	531.6	664.1	818.8
-27.5°	0.0	16.3	57.2	116.6	185.1	254.4	325.1	406.7	508.7	634.7	783.4
-30°	0.0	15.9	55.0	112.0	178.3	246.3	314.0	389.5	487.0	606.5	745.5
-32.5°	0.0	15.5	52.8	107.0	171.0	237.6	302.1	374.5	465.9	576.2	704.8
-35°	0.0	15.1	50.3	101.7	163.2	228.2	290.3	359.5	443.2	543.8	661.4
-37.5°	0.0	14.6	47.8	96.0	154.8	218.1	278.4	343.6	419.2	509.5	620.1
-40°	0.0	14.1	45.0	90.0	146.0	207.0	265.7	326.7	393.8	478.7	579.7
-42.5°	0.0	13.6	42.1	83.7	137.2	195.4	252.4	309.0	371.5	448.6	537.2
-45°	0.0	13.0	39.1	77.1	128.4	183.3	238.4	291.5	350.3	417.2	494.3
-47.5°	0.0	12.4	35.9	70.2	119.2	170.6	223.9	274.4	328.2	384.6	457.8
-50°	0.0	11.8	32.7	64.7	109.6	157.4	208.1	256.8	305.3	358.8	420.0
-52.5°	0.0	11.2	29.2	59.6	99.6	143.7	191.7	238.5	283.5	332.1	382.0
-55°	0.0	10.6	25.7	54.3	89.4	130.7	174.7	219.5	261.9	304.5	351.4
-57.5°	0.0	9.9	22.1	48.9	78.8	117.4	157.3	199.2	239.8	278.9	320.0
-60°	0.0	9.2	18.4	43.3	68.1	103.9	139.5	178.3	216.8	253.3	289.1
-62.5°	0.0	8.5	17.0	37.5	60.5	90.0	122.8	156.9	192.4	227.1	260.1
-65°	0.0	7.8	15.5	31.7	52.6	75.7	105.8	135.6	167.4	199.4	230.5
-67.5°	0.0	7.0	14.1	25.7	44.7	63.5	88.5	115.4	142.1	171.0	199.4
-70°	0.0	6.3	12.6	19.6	36.5	53.4	70.8	94.8	118.6	142.1	167.4
-72.5°	0.0	5.5	11.1	16.6	28.3	43.1	57.8	74.0	94.8	115.4	135.6
-75°	0.0	4.8	9.5	14.2	19.9	32.7	45.3	57.8	70.8	88.5	105.8
-77.5°	0.0	4.0	8.0	11.9	15.9	22.1	32.7	43.1	53.4	63.5	75.7
-80°	0.0	3.2	6.4	9.6	12.7	15.9	19.9	28.3	36.5	44.7	52.6
-82.5°	0.0	2.4	4.8	7.2	9.6	11.9	14.2	16.6	19.6	25.7	31.7
-85°	0.0	1.6	3.2	4.8	6.4	8.0	9.5	11.1	12.6	14.1	15.5
-87.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.5	6.3	7.0	7.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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CATALOG NUMBER: GFLD-SA3B-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°	8.5	9.2	9.9	10.6	11.2	11.8	12.4	13.0	13.6	14.1	14.6
85°	17.0	18.4	22.1	25.7	29.2	32.7	35.9	39.1	42.1	45.0	47.8
82.5°	37.5	43.3	48.9	54.3	59.6	64.7	70.2	77.1	83.7	90.0	96.0
80°	60.5	68.1	78.8	89.4	99.6	109.6	119.2	128.4	137.2	146.0	154.8
77.5°	90.0	103.9	117.4	130.7	143.7	157.4	170.6	183.3	195.4	207.0	218.1
75°	122.8	139.5	157.3	174.7	191.7	208.1	223.9	238.4	252.4	265.7	278.4
72.5°	156.9	178.3	199.2	219.5	238.5	256.8	274.4	291.5	309.0	326.7	343.6
70°	192.4	216.8	239.8	261.9	283.5	305.3	328.2	350.3	371.5	393.8	419.2
67.5°	227.1	253.3	278.9	304.5	332.1	358.8	384.6	417.2	448.6	478.7	509.5
65°	260.1	289.1	320.0	351.4	382.0	420.0	457.8	494.3	537.2	579.7	620.1
62.5°	292.5	327.8	363.1	401.6	445.8	488.7	538.5	589.3	638.2	693.3	746.9
60°	327.8	367.0	411.9	461.3	512.2	571.4	628.9	692.6	756.8	818.8	894.9
57.5°	363.1	411.9	466.5	525.4	591.4	657.9	732.7	805.1	891.9	978.6	1064.8
55°	401.6	461.3	525.4	598.0	674.0	757.0	843.7	944.7	1042.6	1151.5	1255.9
52.5°	445.8	512.2	591.4	674.0	765.1	864.9	976.8	1092.5	1214.3	1332.6	1448.7
50°	488.7	571.4	657.9	757.0	864.9	987.5	1117.6	1252.3	1385.4	1515.2	1636.8
47.5°	538.5	628.9	732.7	843.7	976.8	1117.6	1265.1	1412.0	1555.5	1688.6	1816.1
45°	589.3	692.6	805.1	944.7	1092.5	1252.3	1412.0	1569.0	1714.8	1852.3	1972.7
42.5°	638.2	756.8	891.9	1042.6	1214.3	1385.4	1555.5	1714.8	1864.1	1996.6	2117.5
40°	693.3	818.8	978.6	1151.5	1332.6	1515.2	1688.6	1852.3	1996.6	2128.5	2250.9
37.5°	746.9	894.9	1064.8	1255.9	1448.7	1636.8	1816.1	1972.7	2117.5	2250.9	2368.3
35°	797.8	967.2	1156.5	1357.0	1559.6	1750.7	1925.3	2084.6	2228.5	2358.0	2478.0
32.5°	854.5	1035.6	1243.2	1454.3	1660.5	1855.1	2028.2	2184.0	2327.1	2458.6	2577.8
30°	912.8	1109.3	1325.5	1545.8	1755.2	1945.6	2118.4	2276.2	2418.1	2548.1	2664.9
27.5°	967.2	1178.9	1404.1	1628.6	1841.8	2030.5	2200.9	2356.4	2499.1	2629.9	2743.1
25°	1017.4	1243.2	1476.8	1704.5	1914.7	2103.9	2275.8	2431.1	2573.1	2698.6	2808.7
22.5°	1067.0	1302.1	1543.5	1774.0	1981.7	2169.4	2339.8	2495.5	2637.6	2761.9	2867.5
20°	1115.2	1357.0	1602.3	1835.7	2042.5	2228.9	2398.1	2553.5	2691.7	2812.1	2917.3
17.5°	1158.1	1406.0	1653.7	1885.5	2092.5	2279.8	2449.6	2605.6	2740.5	2857.4	2960.2
15°	1195.6	1448.7	1698.7	1929.1	2135.4	2322.0	2491.9	2646.1	2780.1	2896.1	2998.1
12.5°	1227.5	1485.2	1737.0	1966.4	2172.2	2358.2	2528.1	2680.2	2811.9	2926.4	3026.3
10°	1253.8	1515.2	1768.6	1997.1	2202.5	2388.1	2558.0	2708.4	2838.3	2951.5	3049.7
7.5°	1274.3	1538.7	1793.3	2021.1	2226.2	2411.5	2581.5	2730.5	2859.0	2971.4	3068.2
5°	1289.0	1555.5	1811.1	2038.4	2243.2	2428.3	2598.4	2746.5	2874.0	2985.7	3081.5
2.5°	1297.8	1565.6	1821.7	2048.7	2253.5	2438.4	2608.6	2756.1	2883.0	2994.3	3089.6
0°	1300.8	1569.0	1825.3	2052.2	2256.9	2441.8	2612.0	2759.3	2886.0	2997.2	3092.3
-2.5°	1297.8	1565.6	1821.7	2048.7	2253.5	2438.4	2608.6	2756.1	2883.0	2994.3	3089.6
-5°	1289.0	1555.5	1811.1	2038.4	2243.2	2428.3	2598.4	2746.5	2874.0	2985.7	3081.5
-7.5°	1274.3	1538.7	1793.3	2021.1	2226.2	2411.5	2581.5	2730.5	2859.0	2971.4	3068.2
-10°	1253.8	1515.2	1768.6	1997.1	2202.5	2388.1	2558.0	2708.4	2838.3	2951.5	3049.7
-12.5°	1227.5	1485.2	1737.0	1966.4	2172.2	2358.2	2528.1	2680.2	2811.9	2926.4	3026.3
-15°	1195.6	1448.7	1698.7	1929.1	2135.4	2322.0	2491.9	2646.1	2780.1	2896.1	2998.1
-17.5°	1158.1	1406.0	1653.7	1885.5	2092.5	2279.8	2449.6	2605.6	2740.5	2857.4	2960.2
-20°	1115.2	1357.0	1602.3	1835.7	2042.5	2228.9	2398.1	2553.5	2691.7	2812.1	2917.3

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA3B-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°	1067.0	1302.1	1543.5	1774.0	1981.7	2169.4	2339.8	2495.5	2637.6	2761.9	2867.5
-25°	1017.4	1243.2	1476.8	1704.5	1914.7	2103.9	2275.8	2431.1	2573.1	2698.6	2808.7
-27.5°	967.2	1178.9	1404.1	1628.6	1841.8	2030.5	2200.9	2356.4	2499.1	2629.9	2743.1
-30°	912.8	1109.3	1325.5	1545.8	1755.2	1945.6	2118.4	2276.2	2418.1	2548.1	2664.9
-32.5°	854.5	1035.6	1243.2	1454.3	1660.5	1855.1	2028.2	2184.0	2327.1	2458.6	2577.8
-35°	797.8	967.2	1156.5	1357.0	1559.6	1750.7	1925.3	2084.6	2228.5	2358.0	2478.0
-37.5°	746.9	894.9	1064.8	1255.9	1448.7	1636.8	1816.1	1972.7	2117.5	2250.9	2368.3
-40°	693.3	818.8	978.6	1151.5	1332.6	1515.2	1688.6	1852.3	1996.6	2128.5	2250.9
-42.5°	638.2	756.8	891.9	1042.6	1214.3	1385.4	1555.5	1714.8	1864.1	1996.6	2117.5
-45°	589.3	692.6	805.1	944.7	1092.5	1252.3	1412.0	1569.0	1714.8	1852.3	1972.7
-47.5°	538.5	628.9	732.7	843.7	976.8	1117.6	1265.1	1412.0	1555.5	1688.6	1816.1
-50°	488.7	571.4	657.9	757.0	864.9	987.5	1117.6	1252.3	1385.4	1515.2	1636.8
-52.5°	445.8	512.2	591.4	674.0	765.1	864.9	976.8	1092.5	1214.3	1332.6	1448.7
-55°	401.6	461.3	525.4	598.0	674.0	757.0	843.7	944.7	1042.6	1151.5	1255.9
-57.5°	363.1	411.9	466.5	525.4	591.4	657.9	732.7	805.1	891.9	978.6	1064.8
-60°	327.8	367.0	411.9	461.3	512.2	571.4	628.9	692.6	756.8	818.8	894.9
-62.5°	292.5	327.8	363.1	401.6	445.8	488.7	538.5	589.3	638.2	693.3	746.9
-65°	260.1	289.1	320.0	351.4	382.0	420.0	457.8	494.3	537.2	579.7	620.1
-67.5°	227.1	253.3	278.9	304.5	332.1	358.8	384.6	417.2	448.6	478.7	509.5
-70°	192.4	216.8	239.8	261.9	283.5	305.3	328.2	350.3	371.5	393.8	419.2
-72.5°	156.9	178.3	199.2	219.5	238.5	256.8	274.4	291.5	309.0	326.7	343.6
-75°	122.8	139.5	157.3	174.7	191.7	208.1	223.9	238.4	252.4	265.7	278.4
-77.5°	90.0	103.9	117.4	130.7	143.7	157.4	170.6	183.3	195.4	207.0	218.1
-80°	60.5	68.1	78.8	89.4	99.6	109.6	119.2	128.4	137.2	146.0	154.8
-82.5°	37.5	43.3	48.9	54.3	59.6	64.7	70.2	77.1	83.7	90.0	96.0
-85°	17.0	18.4	22.1	25.7	29.2	32.7	35.9	39.1	42.1	45.0	47.8
-87.5°	8.5	9.2	9.9	10.6	11.2	11.8	12.4	13.0	13.6	14.1	14.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645404 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3B-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°	15.1	15.5	15.9	16.3	16.7	17.0	17.3	17.5	17.8	18.0	18.1
85°	50.3	52.8	55.0	57.2	59.1	60.9	62.4	63.9	65.1	66.1	67.0
82.5°	101.7	107.0	112.0	116.6	120.8	124.7	128.1	131.2	133.9	136.2	138.1
80°	163.2	171.0	178.3	185.1	191.3	197.0	202.1	206.7	210.6	214.0	216.8
77.5°	228.2	237.6	246.3	254.4	261.9	268.7	274.9	280.3	285.0	289.1	292.4
75°	290.3	302.1	314.0	325.1	335.4	344.7	353.1	360.5	367.0	372.6	377.1
72.5°	359.5	374.5	389.5	406.7	422.4	436.8	449.8	461.3	471.3	479.9	486.9
70°	443.2	465.9	487.0	508.7	531.6	552.6	571.4	588.2	602.8	615.3	625.5
67.5°	543.8	576.2	606.5	634.7	664.1	692.6	718.3	741.1	761.1	778.0	792.0
65°	661.4	704.8	745.5	783.4	818.8	860.1	897.4	930.6	959.6	984.2	1004.5
62.5°	797.8	854.5	912.8	967.2	1017.4	1067.0	1115.2	1158.1	1195.6	1227.5	1253.8
60°	967.2	1035.6	1109.3	1178.9	1243.2	1302.1	1357.0	1406.0	1448.7	1485.2	1515.2
57.5°	1156.5	1243.2	1325.5	1404.1	1476.8	1543.5	1602.3	1653.7	1698.7	1737.0	1768.6
55°	1357.0	1454.3	1545.8	1628.6	1704.5	1774.0	1835.7	1885.5	1929.1	1966.4	1997.1
52.5°	1559.6	1660.5	1755.2	1841.8	1914.7	1981.7	2042.5	2092.5	2135.4	2172.2	2202.5
50°	1750.7	1855.1	1945.6	2030.5	2103.9	2169.4	2228.9	2279.8	2322.0	2358.2	2388.1
47.5°	1925.3	2028.2	2118.4	2200.9	2275.8	2339.8	2398.1	2449.6	2491.9	2528.1	2558.0
45°	2084.6	2184.0	2276.2	2356.4	2431.1	2495.5	2553.5	2605.6	2646.1	2680.2	2708.4
42.5°	2228.5	2327.1	2418.1	2499.1	2573.1	2637.6	2691.7	2740.5	2780.1	2811.9	2838.3
40°	2358.0	2458.6	2548.1	2629.9	2698.6	2761.9	2812.1	2857.4	2896.1	2926.4	2951.5
37.5°	2478.0	2577.8	2664.9	2743.1	2808.7	2867.5	2917.3	2960.2	2998.1	3026.3	3049.7
35°	2587.8	2682.6	2768.8	2840.5	2905.4	2960.8	3009.8	3049.5	3084.8	3111.5	3132.9
32.5°	2682.6	2776.6	2856.6	2927.2	2990.6	3042.3	3089.4	3125.6	3157.6	3183.4	3203.2
30°	2768.8	2856.6	2934.5	3004.4	3062.3	3112.7	3154.9	3190.4	3219.9	3244.5	3261.9
27.5°	2840.5	2927.2	3004.4	3069.0	3124.2	3172.7	3211.4	3245.6	3271.4	3294.0	3309.0
25°	2905.4	2990.6	3062.3	3124.2	3177.9	3222.2	3259.0	3290.0	3312.8	3332.2	3343.4
22.5°	2960.8	3042.3	3112.7	3172.7	3222.2	3263.6	3298.3	3324.5	3343.2	3354.9	3361.5
20°	3009.8	3089.4	3154.9	3211.4	3259.0	3298.3	3328.4	3347.8	3360.8	3364.1	3366.0
17.5°	3049.5	3125.6	3190.4	3245.6	3290.0	3324.5	3347.8	3361.5	3365.4	3364.7	3362.7
15°	3084.8	3157.6	3219.9	3271.4	3312.8	3343.2	3360.8	3365.4	3364.2	3360.3	3354.2
12.5°	3111.5	3183.4	3244.5	3294.0	3332.2	3354.9	3364.1	3364.7	3360.3	3352.7	3344.1
10°	3132.9	3203.2	3261.9	3309.0	3343.4	3361.5	3366.0	3362.7	3354.2	3344.1	3334.5
7.5°	3149.7	3218.9	3275.8	3321.0	3350.7	3363.6	3364.5	3358.5	3348.2	3336.7	3326.4
5°	3161.9	3230.4	3285.9	3329.7	3356.0	3365.1	3363.5	3355.1	3343.2	3331.2	3321.8
2.5°	3169.3	3237.3	3292.0	3335.0	3359.3	3366.0	3362.8	3353.0	3340.1	3327.7	3318.8
0°	3171.8	3239.6	3294.1	3336.8	3360.4	3366.3	3362.6	3352.3	3339.0	3326.5	3317.7
-2.5°	3169.3	3237.3	3292.0	3335.0	3359.3	3366.0	3362.8	3353.0	3340.1	3327.7	3318.8
-5°	3161.9	3230.4	3285.9	3329.7	3356.0	3365.1	3363.5	3355.1	3343.2	3331.2	3321.8
-7.5°	3149.7	3218.9	3275.8	3321.0	3350.7	3363.6	3364.5	3358.5	3348.2	3336.7	3326.4
-10°	3132.9	3203.2	3261.9	3309.0	3343.4	3361.5	3366.0	3362.7	3354.2	3344.1	3334.5
-12.5°	3111.5	3183.4	3244.5	3294.0	3332.2	3354.9	3364.1	3364.7	3360.3	3352.7	3344.1
-15°	3084.8	3157.6	3219.9	3271.4	3312.8	3343.2	3360.8	3365.4	3364.2	3360.3	3354.2
-17.5°	3049.5	3125.6	3190.4	3245.6	3290.0	3324.5	3347.8	3361.5	3365.4	3364.7	3362.7
-20°	3009.8	3089.4	3154.9	3211.4	3259.0	3298.3	3328.4	3347.8	3360.8	3364.1	3366.0



REPORT NUMBER: P645404 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3B-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°	2960.8	3042.3	3112.7	3172.7	3222.2	3263.6	3298.3	3324.5	3343.2	3354.9	3361.5
-25°	2905.4	2990.6	3062.3	3124.2	3177.9	3222.2	3259.0	3290.0	3312.8	3332.2	3343.4
-27.5°	2840.5	2927.2	3004.4	3069.0	3124.2	3172.7	3211.4	3245.6	3271.4	3294.0	3309.0
-30°	2768.8	2856.6	2934.5	3004.4	3062.3	3112.7	3154.9	3190.4	3219.9	3244.5	3261.9
-32.5°	2682.6	2776.6	2856.6	2927.2	2990.6	3042.3	3089.4	3125.6	3157.6	3183.4	3203.2
-35°	2587.8	2682.6	2768.8	2840.5	2905.4	2960.8	3009.8	3049.5	3084.8	3111.5	3132.9
-37.5°	2478.0	2577.8	2664.9	2743.1	2808.7	2867.5	2917.3	2960.2	2998.1	3026.3	3049.7
-40°	2358.0	2458.6	2548.1	2629.9	2698.6	2761.9	2812.1	2857.4	2896.1	2926.4	2951.5
-42.5°	2228.5	2327.1	2418.1	2499.1	2573.1	2637.6	2691.7	2740.5	2780.1	2811.9	2838.3
-45°	2084.6	2184.0	2276.2	2356.4	2431.1	2495.5	2553.5	2605.6	2646.1	2680.2	2708.4
-47.5°	1925.3	2028.2	2118.4	2200.9	2275.8	2339.8	2398.1	2449.6	2491.9	2528.1	2558.0
-50°	1750.7	1855.1	1945.6	2030.5	2103.9	2169.4	2228.9	2279.8	2322.0	2358.2	2388.1
-52.5°	1559.6	1660.5	1755.2	1841.8	1914.7	1981.7	2042.5	2092.5	2135.4	2172.2	2202.5
-55°	1357.0	1454.3	1545.8	1628.6	1704.5	1774.0	1835.7	1885.5	1929.1	1966.4	1997.1
-57.5°	1156.5	1243.2	1325.5	1404.1	1476.8	1543.5	1602.3	1653.7	1698.7	1737.0	1768.6
-60°	967.2	1035.6	1109.3	1178.9	1243.2	1302.1	1357.0	1406.0	1448.7	1485.2	1515.2
-62.5°	797.8	854.5	912.8	967.2	1017.4	1067.0	1115.2	1158.1	1195.6	1227.5	1253.8
-65°	661.4	704.8	745.5	783.4	818.8	860.1	897.4	930.6	959.6	984.2	1004.5
-67.5°	543.8	576.2	606.5	634.7	664.1	692.6	718.3	741.1	761.1	778.0	792.0
-70°	443.2	465.9	487.0	508.7	531.6	552.6	571.4	588.2	602.8	615.3	625.5
-72.5°	359.5	374.5	389.5	406.7	422.4	436.8	449.8	461.3	471.3	479.9	486.9
-75°	290.3	302.1	314.0	325.1	335.4	344.7	353.1	360.5	367.0	372.6	377.1
-77.5°	228.2	237.6	246.3	254.4	261.9	268.7	274.9	280.3	285.0	289.1	292.4
-80°	163.2	171.0	178.3	185.1	191.3	197.0	202.1	206.7	210.6	214.0	216.8
-82.5°	101.7	107.0	112.0	116.6	120.8	124.7	128.1	131.2	133.9	136.2	138.1
-85°	50.3	52.8	55.0	57.2	59.1	60.9	62.4	63.9	65.1	66.1	67.0
-87.5°	15.1	15.5	15.9	16.3	16.7	17.0	17.3	17.5	17.8	18.0	18.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645404 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3B-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°	18.2	18.3	18.4	18.4	18.4	18.3	18.2	18.1	18.0	17.8	17.5
85°	67.6	68.1	68.4	68.5	68.4	68.1	67.6	67.0	66.1	65.1	63.9
82.5°	139.5	140.6	141.2	141.4	141.2	140.6	139.5	138.1	136.2	133.9	131.2
80°	218.9	220.5	221.4	221.7	221.4	220.5	218.9	216.8	214.0	210.6	206.7
77.5°	295.0	296.8	297.9	298.3	297.9	296.8	295.0	292.4	289.1	285.0	280.3
75°	380.6	383.2	384.7	385.2	384.7	383.2	380.6	377.1	372.6	367.0	360.5
72.5°	492.3	496.3	498.6	499.4	498.6	496.3	492.3	486.9	479.9	471.3	461.3
70°	633.5	639.2	642.7	643.8	642.7	639.2	633.5	625.5	615.3	602.8	588.2
67.5°	802.9	810.6	815.3	816.9	815.3	810.6	802.9	792.0	778.0	761.1	741.1
65°	1020.3	1031.7	1038.5	1040.8	1038.5	1031.7	1020.3	1004.5	984.2	959.6	930.6
62.5°	1274.3	1289.0	1297.8	1300.8	1297.8	1289.0	1274.3	1253.8	1227.5	1195.6	1158.1
60°	1538.7	1555.5	1565.6	1569.0	1565.6	1555.5	1538.7	1515.2	1485.2	1448.7	1406.0
57.5°	1793.3	1811.1	1821.7	1825.3	1821.7	1811.1	1793.3	1768.6	1737.0	1698.7	1653.7
55°	2021.1	2038.4	2048.7	2052.2	2048.7	2038.4	2021.1	1997.1	1966.4	1929.1	1885.5
52.5°	2226.2	2243.2	2253.5	2256.9	2253.5	2243.2	2226.2	2202.5	2172.2	2135.4	2092.5
50°	2411.5	2428.3	2438.4	2441.8	2438.4	2428.3	2411.5	2388.1	2358.2	2322.0	2279.8
47.5°	2581.5	2598.4	2608.6	2612.0	2608.6	2598.4	2581.5	2558.0	2528.1	2491.9	2449.6
45°	2730.5	2746.5	2756.1	2759.3	2756.1	2746.5	2730.5	2708.4	2680.2	2646.1	2605.6
42.5°	2859.0	2874.0	2883.0	2886.0	2883.0	2874.0	2859.0	2838.3	2811.9	2780.1	2740.5
40°	2971.4	2985.7	2994.3	2997.2	2994.3	2985.7	2971.4	2951.5	2926.4	2896.1	2857.4
37.5°	3068.2	3081.5	3089.6	3092.3	3089.6	3081.5	3068.2	3049.7	3026.3	2998.1	2960.2
35°	3149.7	3161.9	3169.3	3171.8	3169.3	3161.9	3149.7	3132.9	3111.5	3084.8	3049.5
32.5°	3218.9	3230.4	3237.3	3239.6	3237.3	3230.4	3218.9	3203.2	3183.4	3157.6	3125.6
30°	3275.8	3285.9	3292.0	3294.1	3292.0	3285.9	3275.8	3261.9	3244.5	3219.9	3190.4
27.5°	3321.0	3329.7	3335.0	3336.8	3335.0	3329.7	3321.0	3309.0	3294.0	3271.4	3245.6
25°	3350.7	3356.0	3359.3	3360.4	3359.3	3356.0	3350.7	3343.4	3332.2	3312.8	3290.0
22.5°	3363.6	3365.1	3366.0	3366.3	3366.0	3365.1	3363.6	3361.5	3354.9	3343.2	3324.5
20°	3364.5	3363.5	3362.8	3362.6	3362.8	3363.5	3364.5	3366.0	3364.1	3360.8	3347.8
17.5°	3358.5	3355.1	3353.0	3352.3	3353.0	3355.1	3358.5	3362.7	3364.7	3365.4	3361.5
15°	3348.2	3343.2	3340.1	3339.0	3340.1	3343.2	3348.2	3354.2	3360.3	3364.2	3365.4
12.5°	3336.7	3331.2	3327.7	3326.5	3327.7	3331.2	3336.7	3344.1	3352.7	3360.3	3364.7
10°	3326.4	3321.8	3318.8	3317.7	3318.8	3321.8	3326.4	3334.5	3344.1	3354.2	3362.7
7.5°	3319.8	3315.6	3313.3	3312.5	3313.3	3315.6	3319.8	3326.4	3336.7	3348.2	3358.5
5°	3315.6	3311.5	3308.0	3306.6	3308.0	3311.5	3315.6	3321.8	3331.2	3343.2	3355.1
2.5°	3313.3	3308.0	3302.7	3300.0	3302.7	3308.0	3313.3	3318.8	3327.7	3340.1	3353.0
0°	3312.5	3306.6	3300.0	3300.7	3300.0	3306.6	3312.5	3317.7	3326.5	3339.0	3352.3
-2.5°	3313.3	3308.0	3302.7	3300.0	3302.7	3308.0	3313.3	3318.8	3327.7	3340.1	3353.0
-5°	3315.6	3311.5	3308.0	3306.6	3308.0	3311.5	3315.6	3321.8	3331.2	3343.2	3355.1
-7.5°	3319.8	3315.6	3313.3	3312.5	3313.3	3315.6	3319.8	3326.4	3336.7	3348.2	3358.5
-10°	3326.4	3321.8	3318.8	3317.7	3318.8	3321.8	3326.4	3334.5	3344.1	3354.2	3362.7
-12.5°	3336.7	3331.2	3327.7	3326.5	3327.7	3331.2	3336.7	3344.1	3352.7	3360.3	3364.7
-15°	3348.2	3343.2	3340.1	3339.0	3340.1	3343.2	3348.2	3354.2	3360.3	3364.2	3365.4
-17.5°	3358.5	3355.1	3353.0	3352.3	3353.0	3355.1	3358.5	3362.7	3364.7	3365.4	3361.5
-20°	3364.5	3363.5	3362.8	3362.6	3362.8	3363.5	3364.5	3366.0	3364.1	3360.8	3347.8



REPORT NUMBER: P645404 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3B-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°	3363.6	3365.1	3366.0	3366.3	3366.0	3365.1	3363.6	3361.5	3354.9	3343.2	3324.5
-25°	3350.7	3356.0	3359.3	3360.4	3359.3	3356.0	3350.7	3343.4	3332.2	3312.8	3290.0
-27.5°	3321.0	3329.7	3335.0	3336.8	3335.0	3329.7	3321.0	3309.0	3294.0	3271.4	3245.6
-30°	3275.8	3285.9	3292.0	3294.1	3292.0	3285.9	3275.8	3261.9	3244.5	3219.9	3190.4
-32.5°	3218.9	3230.4	3237.3	3239.6	3237.3	3230.4	3218.9	3203.2	3183.4	3157.6	3125.6
-35°	3149.7	3161.9	3169.3	3171.8	3169.3	3161.9	3149.7	3132.9	3111.5	3084.8	3049.5
-37.5°	3068.2	3081.5	3089.6	3092.3	3089.6	3081.5	3068.2	3049.7	3026.3	2998.1	2960.2
-40°	2971.4	2985.7	2994.3	2997.2	2994.3	2985.7	2971.4	2951.5	2926.4	2896.1	2857.4
-42.5°	2859.0	2874.0	2883.0	2886.0	2883.0	2874.0	2859.0	2838.3	2811.9	2780.1	2740.5
-45°	2730.5	2746.5	2756.1	2759.3	2756.1	2746.5	2730.5	2708.4	2680.2	2646.1	2605.6
-47.5°	2581.5	2598.4	2608.6	2612.0	2608.6	2598.4	2581.5	2558.0	2528.1	2491.9	2449.6
-50°	2411.5	2428.3	2438.4	2441.8	2438.4	2428.3	2411.5	2388.1	2358.2	2322.0	2279.8
-52.5°	2226.2	2243.2	2253.5	2256.9	2253.5	2243.2	2226.2	2202.5	2172.2	2135.4	2092.5
-55°	2021.1	2038.4	2048.7	2052.2	2048.7	2038.4	2021.1	1997.1	1966.4	1929.1	1885.5
-57.5°	1793.3	1811.1	1821.7	1825.3	1821.7	1811.1	1793.3	1768.6	1737.0	1698.7	1653.7
-60°	1538.7	1555.5	1565.6	1569.0	1565.6	1555.5	1538.7	1515.2	1485.2	1448.7	1406.0
-62.5°	1274.3	1289.0	1297.8	1300.8	1297.8	1289.0	1274.3	1253.8	1227.5	1195.6	1158.1
-65°	1020.3	1031.7	1038.5	1040.8	1038.5	1031.7	1020.3	1004.5	984.2	959.6	930.6
-67.5°	802.9	810.6	815.3	816.9	815.3	810.6	802.9	792.0	778.0	761.1	741.1
-70°	633.5	639.2	642.7	643.8	642.7	639.2	633.5	625.5	615.3	602.8	588.2
-72.5°	492.3	496.3	498.6	499.4	498.6	496.3	492.3	486.9	479.9	471.3	461.3
-75°	380.6	383.2	384.7	385.2	384.7	383.2	380.6	377.1	372.6	367.0	360.5
-77.5°	295.0	296.8	297.9	298.3	297.9	296.8	295.0	292.4	289.1	285.0	280.3
-80°	218.9	220.5	221.4	221.7	221.4	220.5	218.9	216.8	214.0	210.6	206.7
-82.5°	139.5	140.6	141.2	141.4	141.2	140.6	139.5	138.1	136.2	133.9	131.2
-85°	67.6	68.1	68.4	68.5	68.4	68.1	67.6	67.0	66.1	65.1	63.9
-87.5°	18.2	18.3	18.4	18.4	18.4	18.3	18.2	18.1	18.0	17.8	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



REPORT NUMBER: P645404 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3B-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°	17.3	17.0	16.7	16.3	15.9	15.5	15.1	14.6	14.1	13.6	13.0
85°	62.4	60.9	59.1	57.2	55.0	52.8	50.3	47.8	45.0	42.1	39.1
82.5°	128.1	124.7	120.8	116.6	112.0	107.0	101.7	96.0	90.0	83.7	77.1
80°	202.1	197.0	191.3	185.1	178.3	171.0	163.2	154.8	146.0	137.2	128.4
77.5°	274.9	268.7	261.9	254.4	246.3	237.6	228.2	218.1	207.0	195.4	183.3
75°	353.1	344.7	335.4	325.1	314.0	302.1	290.3	278.4	265.7	252.4	238.4
72.5°	449.8	436.8	422.4	406.7	389.5	374.5	359.5	343.6	326.7	309.0	291.5
70°	571.4	552.6	531.6	508.7	487.0	465.9	443.2	419.2	393.8	371.5	350.3
67.5°	718.3	692.6	664.1	634.7	606.5	576.2	543.8	509.5	478.7	448.6	417.2
65°	897.4	860.1	818.8	783.4	745.5	704.8	661.4	620.1	579.7	537.2	494.3
62.5°	1115.2	1067.0	1017.4	967.2	912.8	854.5	797.8	746.9	693.3	638.2	589.3
60°	1357.0	1302.1	1243.2	1178.9	1109.3	1035.6	967.2	894.9	818.8	756.8	692.6
57.5°	1602.3	1543.5	1476.8	1404.1	1325.5	1243.2	1156.5	1064.8	978.6	891.9	805.1
55°	1835.7	1774.0	1704.5	1628.6	1545.8	1454.3	1357.0	1255.9	1151.5	1042.6	944.7
52.5°	2042.5	1981.7	1914.7	1841.8	1755.2	1660.5	1559.6	1448.7	1332.6	1214.3	1092.5
50°	2228.9	2169.4	2103.9	2030.5	1945.6	1855.1	1750.7	1636.8	1515.2	1385.4	1252.3
47.5°	2398.1	2339.8	2275.8	2200.9	2118.4	2028.2	1925.3	1816.1	1688.6	1555.5	1412.0
45°	2553.5	2495.5	2431.1	2356.4	2276.2	2184.0	2084.6	1972.7	1852.3	1714.8	1569.0
42.5°	2691.7	2637.6	2573.1	2499.1	2418.1	2327.1	2228.5	2117.5	1996.6	1864.1	1714.8
40°	2812.1	2761.9	2698.6	2629.9	2548.1	2458.6	2358.0	2250.9	2128.5	1996.6	1852.3
37.5°	2917.3	2867.5	2808.7	2743.1	2664.9	2577.8	2478.0	2368.3	2250.9	2117.5	1972.7
35°	3009.8	2960.8	2905.4	2840.5	2768.8	2682.6	2587.8	2478.0	2358.0	2228.5	2084.6
32.5°	3089.4	3042.3	2990.6	2927.2	2856.6	2776.6	2682.6	2577.8	2458.6	2327.1	2184.0
30°	3154.9	3112.7	3062.3	3004.4	2934.5	2856.6	2768.8	2664.9	2548.1	2418.1	2276.2
27.5°	3211.4	3172.7	3124.2	3069.0	3004.4	2927.2	2840.5	2743.1	2629.9	2499.1	2356.4
25°	3259.0	3222.2	3177.9	3124.2	3062.3	2990.6	2905.4	2808.7	2698.6	2573.1	2431.1
22.5°	3298.3	3263.6	3222.2	3172.7	3112.7	3042.3	2960.8	2867.5	2761.9	2637.6	2495.5
20°	3328.4	3298.3	3259.0	3211.4	3154.9	3089.4	3009.8	2917.3	2812.1	2691.7	2553.5
17.5°	3347.8	3324.5	3290.0	3245.6	3190.4	3125.6	3049.5	2960.2	2857.4	2740.5	2605.6
15°	3360.8	3343.2	3312.8	3271.4	3219.9	3157.6	3084.8	2998.1	2896.1	2780.1	2646.1
12.5°	3364.1	3354.9	3332.2	3294.0	3244.5	3183.4	3111.5	3026.3	2926.4	2811.9	2680.2
10°	3366.0	3361.5	3343.4	3309.0	3261.9	3203.2	3132.9	3049.7	2951.5	2838.3	2708.4
7.5°	3364.5	3363.6	3350.7	3321.0	3275.8	3218.9	3149.7	3068.2	2971.4	2859.0	2730.5
5°	3363.5	3365.1	3356.0	3329.7	3285.9	3230.4	3161.9	3081.5	2985.7	2874.0	2746.5
2.5°	3362.8	3366.0	3359.3	3335.0	3292.0	3237.3	3169.3	3089.6	2994.3	2883.0	2756.1
0°	3362.6	3366.3	3360.4	3336.8	3294.1	3239.6	3171.8	3092.3	2997.2	2886.0	2759.3
-2.5°	3362.8	3366.0	3359.3	3335.0	3292.0	3237.3	3169.3	3089.6	2994.3	2883.0	2756.1
-5°	3363.5	3365.1	3356.0	3329.7	3285.9	3230.4	3161.9	3081.5	2985.7	2874.0	2746.5
-7.5°	3364.5	3363.6	3350.7	3321.0	3275.8	3218.9	3149.7	3068.2	2971.4	2859.0	2730.5
-10°	3366.0	3361.5	3343.4	3309.0	3261.9	3203.2	3132.9	3049.7	2951.5	2838.3	2708.4
-12.5°	3364.1	3354.9	3332.2	3294.0	3244.5	3183.4	3111.5	3026.3	2926.4	2811.9	2680.2
-15°	3360.8	3343.2	3312.8	3271.4	3219.9	3157.6	3084.8	2998.1	2896.1	2780.1	2646.1
-17.5°	3347.8	3324.5	3290.0	3245.6	3190.4	3125.6	3049.5	2960.2	2857.4	2740.5	2605.6
-20°	3328.4	3298.3	3259.0	3211.4	3154.9	3089.4	3009.8	2917.3	2812.1	2691.7	2553.5



REPORT NUMBER: P645404 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3B-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°	3298.3	3263.6	3222.2	3172.7	3112.7	3042.3	2960.8	2867.5	2761.9	2637.6	2495.5
-25°	3259.0	3222.2	3177.9	3124.2	3062.3	2990.6	2905.4	2808.7	2698.6	2573.1	2431.1
-27.5°	3211.4	3172.7	3124.2	3069.0	3004.4	2927.2	2840.5	2743.1	2629.9	2499.1	2356.4
-30°	3154.9	3112.7	3062.3	3004.4	2934.5	2856.6	2768.8	2664.9	2548.1	2418.1	2276.2
-32.5°	3089.4	3042.3	2990.6	2927.2	2856.6	2776.6	2682.6	2577.8	2458.6	2327.1	2184.0
-35°	3009.8	2960.8	2905.4	2840.5	2768.8	2682.6	2587.8	2478.0	2358.0	2228.5	2084.6
-37.5°	2917.3	2867.5	2808.7	2743.1	2664.9	2577.8	2478.0	2368.3	2250.9	2117.5	1972.7
-40°	2812.1	2761.9	2698.6	2629.9	2548.1	2458.6	2358.0	2250.9	2128.5	1996.6	1852.3
-42.5°	2691.7	2637.6	2573.1	2499.1	2418.1	2327.1	2228.5	2117.5	1996.6	1864.1	1714.8
-45°	2553.5	2495.5	2431.1	2356.4	2276.2	2184.0	2084.6	1972.7	1852.3	1714.8	1569.0
-47.5°	2398.1	2339.8	2275.8	2200.9	2118.4	2028.2	1925.3	1816.1	1688.6	1555.5	1412.0
-50°	2228.9	2169.4	2103.9	2030.5	1945.6	1855.1	1750.7	1636.8	1515.2	1385.4	1252.3
-52.5°	2042.5	1981.7	1914.7	1841.8	1755.2	1660.5	1559.6	1448.7	1332.6	1214.3	1092.5
-55°	1835.7	1774.0	1704.5	1628.6	1545.8	1454.3	1357.0	1255.9	1151.5	1042.6	944.7
-57.5°	1602.3	1543.5	1476.8	1404.1	1325.5	1243.2	1156.5	1064.8	978.6	891.9	805.1
-60°	1357.0	1302.1	1243.2	1178.9	1109.3	1035.6	967.2	894.9	818.8	756.8	692.6
-62.5°	1115.2	1067.0	1017.4	967.2	912.8	854.5	797.8	746.9	693.3	638.2	589.3
-65°	897.4	860.1	818.8	783.4	745.5	704.8	661.4	620.1	579.7	537.2	494.3
-67.5°	718.3	692.6	664.1	634.7	606.5	576.2	543.8	509.5	478.7	448.6	417.2
-70°	571.4	552.6	531.6	508.7	487.0	465.9	443.2	419.2	393.8	371.5	350.3
-72.5°	449.8	436.8	422.4	406.7	389.5	374.5	359.5	343.6	326.7	309.0	291.5
-75°	353.1	344.7	335.4	325.1	314.0	302.1	290.3	278.4	265.7	252.4	238.4
-77.5°	274.9	268.7	261.9	254.4	246.3	237.6	228.2	218.1	207.0	195.4	183.3
-80°	202.1	197.0	191.3	185.1	178.3	171.0	163.2	154.8	146.0	137.2	128.4
-82.5°	128.1	124.7	120.8	116.6	112.0	107.0	101.7	96.0	90.0	83.7	77.1
-85°	62.4	60.9	59.1	57.2	55.0	52.8	50.3	47.8	45.0	42.1	39.1
-87.5°	17.3	17.0	16.7	16.3	15.9	15.5	15.1	14.6	14.1	13.6	13.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P645404 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3B-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°	12.4	11.8	11.2	10.6	9.9	9.2	8.5	7.8	7.0	6.3	5.5
85°	35.9	32.7	29.2	25.7	22.1	18.4	17.0	15.5	14.1	12.6	11.1
82.5°	70.2	64.7	59.6	54.3	48.9	43.3	37.5	31.7	25.7	19.6	16.6
80°	119.2	109.6	99.6	89.4	78.8	68.1	60.5	52.6	44.7	36.5	28.3
77.5°	170.6	157.4	143.7	130.7	117.4	103.9	90.0	75.7	63.5	53.4	43.1
75°	223.9	208.1	191.7	174.7	157.3	139.5	122.8	105.8	88.5	70.8	57.8
72.5°	274.4	256.8	238.5	219.5	199.2	178.3	156.9	135.6	115.4	94.8	74.0
70°	328.2	305.3	283.5	261.9	239.8	216.8	192.4	167.4	142.1	118.6	94.8
67.5°	384.6	358.8	332.1	304.5	278.9	253.3	227.1	199.4	171.0	142.1	115.4
65°	457.8	420.0	382.0	351.4	320.0	289.1	260.1	230.5	199.4	167.4	135.6
62.5°	538.5	488.7	445.8	401.6	363.1	327.8	292.5	260.1	227.1	192.4	156.9
60°	628.9	571.4	512.2	461.3	411.9	367.0	327.8	289.1	253.3	216.8	178.3
57.5°	732.7	657.9	591.4	525.4	466.5	411.9	363.1	320.0	278.9	239.8	199.2
55°	843.7	757.0	674.0	598.0	525.4	461.3	401.6	351.4	304.5	261.9	219.5
52.5°	976.8	864.9	765.1	674.0	591.4	512.2	445.8	382.0	332.1	283.5	238.5
50°	1117.6	987.5	864.9	757.0	657.9	571.4	488.7	420.0	358.8	305.3	256.8
47.5°	1265.1	1117.6	976.8	843.7	732.7	628.9	538.5	457.8	384.6	328.2	274.4
45°	1412.0	1252.3	1092.5	944.7	805.1	692.6	589.3	494.3	417.2	350.3	291.5
42.5°	1555.5	1385.4	1214.3	1042.6	891.9	756.8	638.2	537.2	448.6	371.5	309.0
40°	1688.6	1515.2	1332.6	1151.5	978.6	818.8	693.3	579.7	478.7	393.8	326.7
37.5°	1816.1	1636.8	1448.7	1255.9	1064.8	894.9	746.9	620.1	509.5	419.2	343.6
35°	1925.3	1750.7	1559.6	1357.0	1156.5	967.2	797.8	661.4	543.8	443.2	359.5
32.5°	2028.2	1855.1	1660.5	1454.3	1243.2	1035.6	854.5	704.8	576.2	465.9	374.5
30°	2118.4	1945.6	1755.2	1545.8	1325.5	1109.3	912.8	745.5	606.5	487.0	389.5
27.5°	2200.9	2030.5	1841.8	1628.6	1404.1	1178.9	967.2	783.4	634.7	508.7	406.7
25°	2275.8	2103.9	1914.7	1704.5	1476.8	1243.2	1017.4	818.8	664.1	531.6	422.4
22.5°	2339.8	2169.4	1981.7	1774.0	1543.5	1302.1	1067.0	860.1	692.6	552.6	436.8
20°	2398.1	2228.9	2042.5	1835.7	1602.3	1357.0	1115.2	897.4	718.3	571.4	449.8
17.5°	2449.6	2279.8	2092.5	1885.5	1653.7	1406.0	1158.1	930.6	741.1	588.2	461.3
15°	2491.9	2322.0	2135.4	1929.1	1698.7	1448.7	1195.6	959.6	761.1	602.8	471.3
12.5°	2528.1	2358.2	2172.2	1966.4	1737.0	1485.2	1227.5	984.2	778.0	615.3	479.9
10°	2558.0	2388.1	2202.5	1997.1	1768.6	1515.2	1253.8	1004.5	792.0	625.5	486.9
7.5°	2581.5	2411.5	2226.2	2021.1	1793.3	1538.7	1274.3	1020.3	802.9	633.5	492.3
5°	2598.4	2428.3	2243.2	2038.4	1811.1	1555.5	1289.0	1031.7	810.6	639.2	496.3
2.5°	2608.6	2438.4	2253.5	2048.7	1821.7	1565.6	1297.8	1038.5	815.3	642.7	498.6
0°	2612.0	2441.8	2256.9	2052.2	1825.3	1569.0	1300.8	1040.8	816.9	643.8	499.4
-2.5°	2608.6	2438.4	2253.5	2048.7	1821.7	1565.6	1297.8	1038.5	815.3	642.7	498.6
-5°	2598.4	2428.3	2243.2	2038.4	1811.1	1555.5	1289.0	1031.7	810.6	639.2	496.3
-7.5°	2581.5	2411.5	2226.2	2021.1	1793.3	1538.7	1274.3	1020.3	802.9	633.5	492.3
-10°	2558.0	2388.1	2202.5	1997.1	1768.6	1515.2	1253.8	1004.5	792.0	625.5	486.9
-12.5°	2528.1	2358.2	2172.2	1966.4	1737.0	1485.2	1227.5	984.2	778.0	615.3	479.9
-15°	2491.9	2322.0	2135.4	1929.1	1698.7	1448.7	1195.6	959.6	761.1	602.8	471.3
-17.5°	2449.6	2279.8	2092.5	1885.5	1653.7	1406.0	1158.1	930.6	741.1	588.2	461.3
-20°	2398.1	2228.9	2042.5	1835.7	1602.3	1357.0	1115.2	897.4	718.3	571.4	449.8



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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°	2339.8	2169.4	1981.7	1774.0	1543.5	1302.1	1067.0	860.1	692.6	552.6	436.8
-25°	2275.8	2103.9	1914.7	1704.5	1476.8	1243.2	1017.4	818.8	664.1	531.6	422.4
-27.5°	2200.9	2030.5	1841.8	1628.6	1404.1	1178.9	967.2	783.4	634.7	508.7	406.7
-30°	2118.4	1945.6	1755.2	1545.8	1325.5	1109.3	912.8	745.5	606.5	487.0	389.5
-32.5°	2028.2	1855.1	1660.5	1454.3	1243.2	1035.6	854.5	704.8	576.2	465.9	374.5
-35°	1925.3	1750.7	1559.6	1357.0	1156.5	967.2	797.8	661.4	543.8	443.2	359.5
-37.5°	1816.1	1636.8	1448.7	1255.9	1064.8	894.9	746.9	620.1	509.5	419.2	343.6
-40°	1688.6	1515.2	1332.6	1151.5	978.6	818.8	693.3	579.7	478.7	393.8	326.7
-42.5°	1555.5	1385.4	1214.3	1042.6	891.9	756.8	638.2	537.2	448.6	371.5	309.0
-45°	1412.0	1252.3	1092.5	944.7	805.1	692.6	589.3	494.3	417.2	350.3	291.5
-47.5°	1265.1	1117.6	976.8	843.7	732.7	628.9	538.5	457.8	384.6	328.2	274.4
-50°	1117.6	987.5	864.9	757.0	657.9	571.4	488.7	420.0	358.8	305.3	256.8
-52.5°	976.8	864.9	765.1	674.0	591.4	512.2	445.8	382.0	332.1	283.5	238.5
-55°	843.7	757.0	674.0	598.0	525.4	461.3	401.6	351.4	304.5	261.9	219.5
-57.5°	732.7	657.9	591.4	525.4	466.5	411.9	363.1	320.0	278.9	239.8	199.2
-60°	628.9	571.4	512.2	461.3	411.9	367.0	327.8	289.1	253.3	216.8	178.3
-62.5°	538.5	488.7	445.8	401.6	363.1	327.8	292.5	260.1	227.1	192.4	156.9
-65°	457.8	420.0	382.0	351.4	320.0	289.1	260.1	230.5	199.4	167.4	135.6
-67.5°	384.6	358.8	332.1	304.5	278.9	253.3	227.1	199.4	171.0	142.1	115.4
-70°	328.2	305.3	283.5	261.9	239.8	216.8	192.4	167.4	142.1	118.6	94.8
-72.5°	274.4	256.8	238.5	219.5	199.2	178.3	156.9	135.6	115.4	94.8	74.0
-75°	223.9	208.1	191.7	174.7	157.3	139.5	122.8	105.8	88.5	70.8	57.8
-77.5°	170.6	157.4	143.7	130.7	117.4	103.9	90.0	75.7	63.5	53.4	43.1
-80°	119.2	109.6	99.6	89.4	78.8	68.1	60.5	52.6	44.7	36.5	28.3
-82.5°	70.2	64.7	59.6	54.3	48.9	43.3	37.5	31.7	25.7	19.6	16.6
-85°	35.9	32.7	29.2	25.7	22.1	18.4	17.0	15.5	14.1	12.6	11.1
-87.5°	12.4	11.8	11.2	10.6	9.9	9.2	8.5	7.8	7.0	6.3	5.5
-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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**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°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
85°	9.5	8.0	6.4	4.8	3.2	1.6	0.0
82.5°	14.2	11.9	9.6	7.2	4.8	2.4	0.0
80°	19.9	15.9	12.7	9.6	6.4	3.2	0.0
77.5°	32.7	22.1	15.9	11.9	8.0	4.0	0.0
75°	45.3	32.7	19.9	14.2	9.5	4.8	0.0
72.5°	57.8	43.1	28.3	16.6	11.1	5.5	0.0
70°	70.8	53.4	36.5	19.6	12.6	6.3	0.0
67.5°	88.5	63.5	44.7	25.7	14.1	7.0	0.0
65°	105.8	75.7	52.6	31.7	15.5	7.8	0.0
62.5°	122.8	90.0	60.5	37.5	17.0	8.5	0.0
60°	139.5	103.9	68.1	43.3	18.4	9.2	0.0
57.5°	157.3	117.4	78.8	48.9	22.1	9.9	0.0
55°	174.7	130.7	89.4	54.3	25.7	10.6	0.0
52.5°	191.7	143.7	99.6	59.6	29.2	11.2	0.0
50°	208.1	157.4	109.6	64.7	32.7	11.8	0.0
47.5°	223.9	170.6	119.2	70.2	35.9	12.4	0.0
45°	238.4	183.3	128.4	77.1	39.1	13.0	0.0
42.5°	252.4	195.4	137.2	83.7	42.1	13.6	0.0
40°	265.7	207.0	146.0	90.0	45.0	14.1	0.0
37.5°	278.4	218.1	154.8	96.0	47.8	14.6	0.0
35°	290.3	228.2	163.2	101.7	50.3	15.1	0.0
32.5°	302.1	237.6	171.0	107.0	52.8	15.5	0.0
30°	314.0	246.3	178.3	112.0	55.0	15.9	0.0
27.5°	325.1	254.4	185.1	116.6	57.2	16.3	0.0
25°	335.4	261.9	191.3	120.8	59.1	16.7	0.0
22.5°	344.7	268.7	197.0	124.7	60.9	17.0	0.0
20°	353.1	274.9	202.1	128.1	62.4	17.3	0.0
17.5°	360.5	280.3	206.7	131.2	63.9	17.5	0.0
15°	367.0	285.0	210.6	133.9	65.1	17.8	0.0
12.5°	372.6	289.1	214.0	136.2	66.1	18.0	0.0
10°	377.1	292.4	216.8	138.1	67.0	18.1	0.0
7.5°	380.6	295.0	218.9	139.5	67.6	18.2	0.0
5°	383.2	296.8	220.5	140.6	68.1	18.3	0.0
2.5°	384.7	297.9	221.4	141.2	68.4	18.4	0.0
0°	385.2	298.3	221.7	141.4	68.5	18.4	0.0
-2.5°	384.7	297.9	221.4	141.2	68.4	18.4	0.0
-5°	383.2	296.8	220.5	140.6	68.1	18.3	0.0
-7.5°	380.6	295.0	218.9	139.5	67.6	18.2	0.0
-10°	377.1	292.4	216.8	138.1	67.0	18.1	0.0
-12.5°	372.6	289.1	214.0	136.2	66.1	18.0	0.0
-15°	367.0	285.0	210.6	133.9	65.1	17.8	0.0
-17.5°	360.5	280.3	206.7	131.2	63.9	17.5	0.0
-20°	353.1	274.9	202.1	128.1	62.4	17.3	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	344.7	268.7	197.0	124.7	60.9	17.0	0.0
-25°	335.4	261.9	191.3	120.8	59.1	16.7	0.0
-27.5°	325.1	254.4	185.1	116.6	57.2	16.3	0.0
-30°	314.0	246.3	178.3	112.0	55.0	15.9	0.0
-32.5°	302.1	237.6	171.0	107.0	52.8	15.5	0.0
-35°	290.3	228.2	163.2	101.7	50.3	15.1	0.0
-37.5°	278.4	218.1	154.8	96.0	47.8	14.6	0.0
-40°	265.7	207.0	146.0	90.0	45.0	14.1	0.0
-42.5°	252.4	195.4	137.2	83.7	42.1	13.6	0.0
-45°	238.4	183.3	128.4	77.1	39.1	13.0	0.0
-47.5°	223.9	170.6	119.2	70.2	35.9	12.4	0.0
-50°	208.1	157.4	109.6	64.7	32.7	11.8	0.0
-52.5°	191.7	143.7	99.6	59.6	29.2	11.2	0.0
-55°	174.7	130.7	89.4	54.3	25.7	10.6	0.0
-57.5°	157.3	117.4	78.8	48.9	22.1	9.9	0.0
-60°	139.5	103.9	68.1	43.3	18.4	9.2	0.0
-62.5°	122.8	90.0	60.5	37.5	17.0	8.5	0.0
-65°	105.8	75.7	52.6	31.7	15.5	7.8	0.0
-67.5°	88.5	63.5	44.7	25.7	14.1	7.0	0.0
-70°	70.8	53.4	36.5	19.6	12.6	6.3	0.0
-72.5°	57.8	43.1	28.3	16.6	11.1	5.5	0.0
-75°	45.3	32.7	19.9	14.2	9.5	4.8	0.0
-77.5°	32.7	22.1	15.9	11.9	8.0	4.0	0.0
-80°	19.9	15.9	12.7	9.6	6.4	3.2	0.0
-82.5°	14.2	11.9	9.6	7.2	4.8	2.4	0.0
-85°	9.5	8.0	6.4	4.8	3.2	1.6	0.0
-87.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)