

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: P645370 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2C-727-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645370 (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-SA2C-727-U-LAM-XX  
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN  
Light Source: (32) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

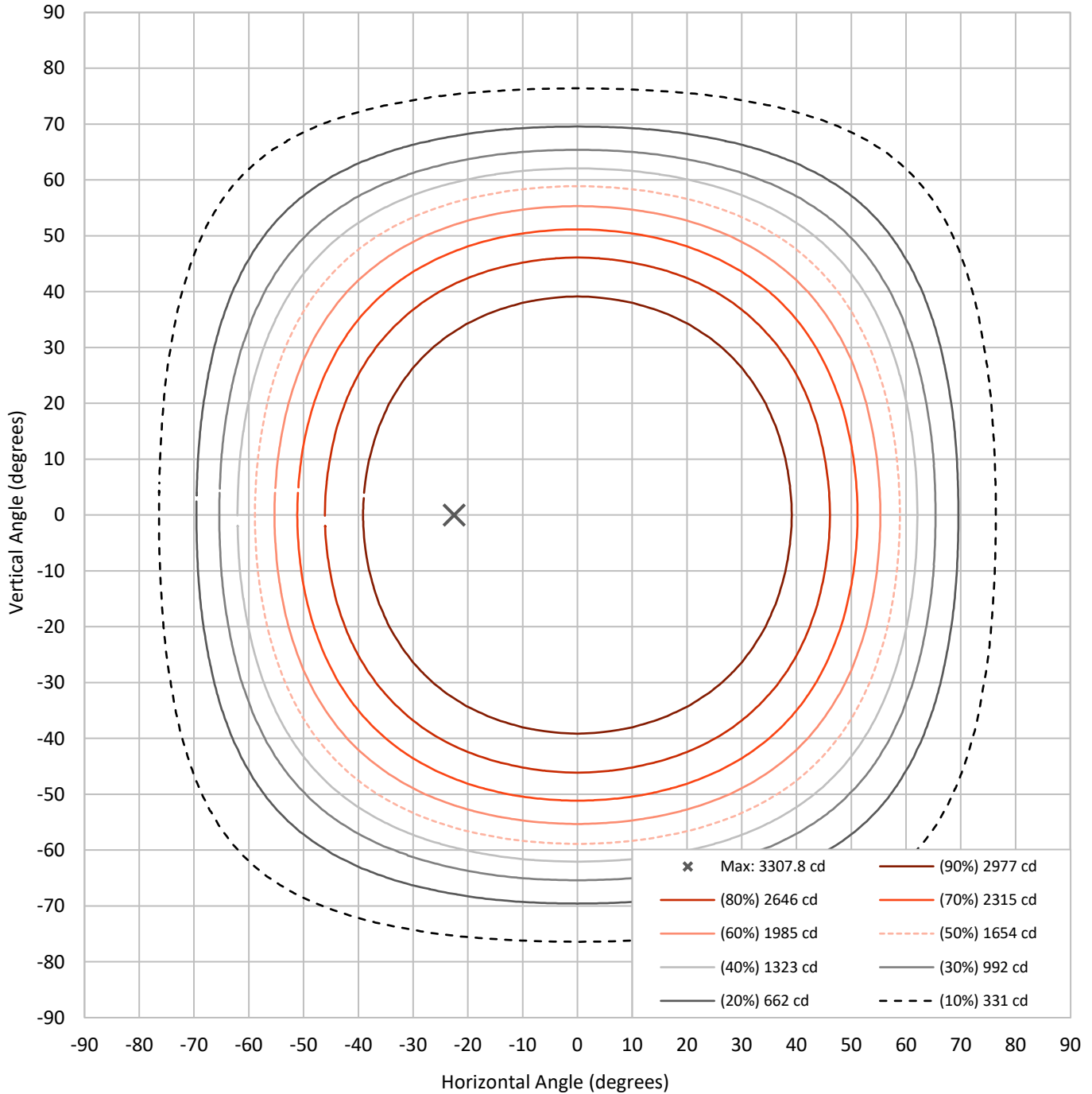
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	10118.7 lumens	Max Intensity:	3307.8 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	122.5 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:	8421 lumens	Field Lumens:	9919.7 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	82.6		
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





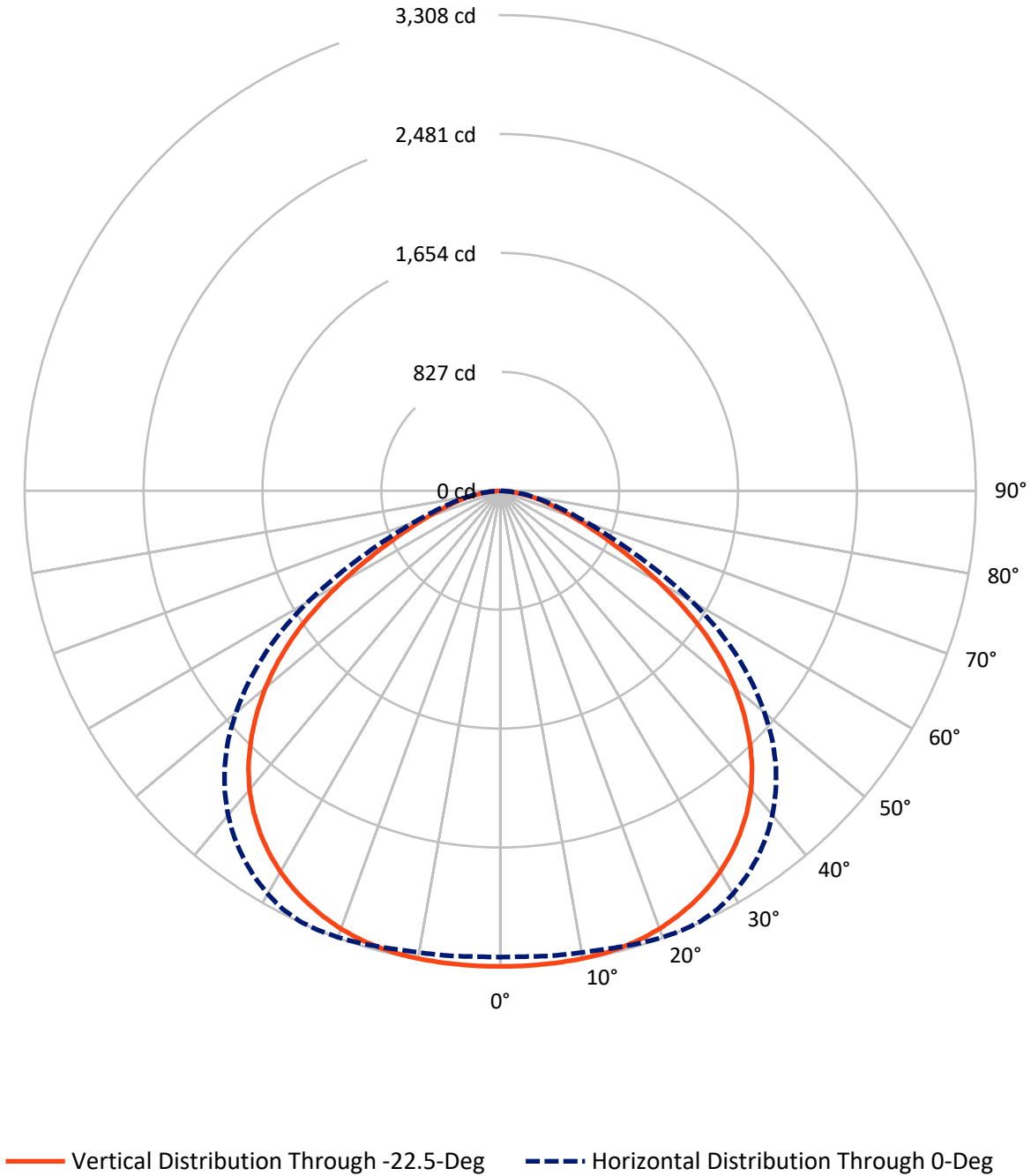
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### Lumen Table

90																		
80	0.5	5.2		14.8		24.7		28.9		24.7		14.8		5.2		0.5		
70																		
60	2.5	2.9	6.2	10.8	16.6	23.0	28.4	31.4	31.4	28.4	23.0	16.6	10.8	6.2	2.9	2.5		
50		4.6	10.5	20.3	33.2	45.8	55.1	60.0	60.0	55.1	45.8	33.2	20.3	10.5	4.6			
40	4.7	6.5	16.6	33.1	50.7	65.4	75.9	81.2	81.2	75.9	65.4	50.7	33.1	16.6	6.5	4.7		
30		8.8	23.5	43.8	63.0	78.3	88.6	93.8	93.8	88.6	78.3	63.0	43.8	23.5	8.8			
20	6.5	11.0	29.2	51.2	70.9	85.8	95.3	99.5	99.5	95.3	85.8	70.9	51.2	29.2	11.0	6.5		
10		12.7	33.0	55.7	75.2	89.4	97.0	99.6	99.6	97.0	89.4	75.2	55.7	33.0	12.7			
0	7.1	13.7	34.9	57.8	77.2	90.6	96.6	98.7	98.7	96.6	90.6	77.2	57.8	34.9	13.7	7.1		
-10		13.7	34.9	57.8	77.2	90.6	96.6	98.7	98.7	96.6	90.6	77.2	57.8	34.9	13.7			
-20	6.5	12.7	33.0	55.7	75.2	89.4	97.0	99.6	99.6	97.0	89.4	75.2	55.7	33.0	12.7	6.5		
-30		11.0	29.2	51.2	70.9	85.8	95.3	99.5	99.5	95.3	85.8	70.9	51.2	29.2	11.0			
-40	4.7	8.8	23.5	43.8	63.0	78.3	88.6	93.8	93.8	88.6	78.3	63.0	43.8	23.5	8.8	4.7		
-50		6.5	16.6	33.1	50.7	65.4	75.9	81.2	81.2	75.9	65.4	50.7	33.1	16.6	6.5			
-60	2.5	4.6	10.5	20.3	33.2	45.8	55.1	60.0	60.0	55.1	45.8	33.2	20.3	10.5	4.6	2.5		
-70		2.9	6.2	10.8	16.6	23.0	28.4	31.4	31.4	28.4	23.0	16.6	10.8	6.2	2.9			
-80																		
-90	0.5	5.2		14.8		24.7		28.9		24.7		14.8		5.2		0.5		
Horizontal Angle (degrees)																		

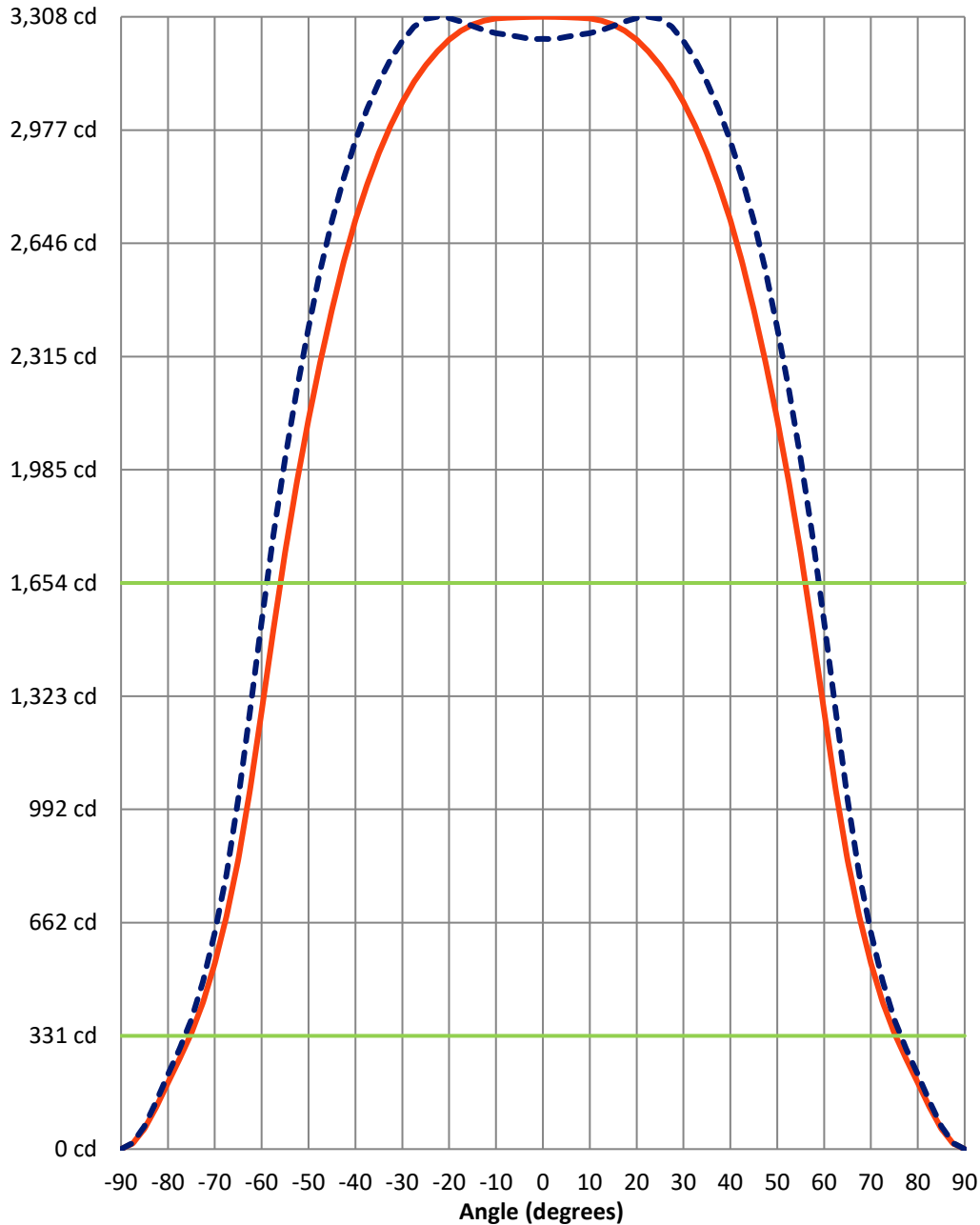
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 8421  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 9919.7  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 199  
 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	3.1	3.9	4.7	5.4	6.2	6.9	7.6
85°	0.0	1.6	3.2	4.7	6.3	7.8	9.4	10.9	12.4	13.8	15.3
82.5°	0.0	2.4	4.7	7.1	9.4	11.7	14.0	16.3	19.3	25.2	31.1
80°	0.0	3.1	6.3	9.4	12.5	15.6	19.6	27.8	35.9	43.9	51.7
77.5°	0.0	3.9	7.8	11.7	15.6	21.7	32.1	42.3	52.4	62.4	74.4
75°	0.0	4.7	9.4	14.0	19.6	32.1	44.5	56.7	69.6	86.9	104.0
72.5°	0.0	5.4	10.9	16.3	27.8	42.3	56.7	72.7	93.2	113.4	133.3
70°	0.0	6.2	12.4	19.3	35.9	52.4	69.6	93.2	116.6	139.7	164.6
67.5°	0.0	6.9	13.8	25.2	43.9	62.4	86.9	113.4	139.7	168.1	196.0
65°	0.0	7.6	15.3	31.1	51.7	74.4	104.0	133.3	164.6	196.0	226.6
62.5°	0.0	8.4	16.7	36.9	59.4	88.4	120.8	154.2	189.1	223.2	255.6
60°	0.0	9.0	18.1	42.5	66.9	102.1	137.1	175.2	213.1	248.9	284.0
57.5°	0.0	9.7	21.7	48.0	77.4	115.4	154.6	195.7	235.6	274.0	314.4
55°	0.0	10.4	25.3	53.4	87.8	128.4	171.7	215.8	257.4	299.2	345.3
52.5°	0.0	11.0	28.8	58.6	97.9	141.3	188.4	234.4	278.6	326.3	375.4
50°	0.0	11.6	32.1	63.6	107.7	154.7	204.5	252.3	299.9	352.5	412.7
47.5°	0.0	12.2	35.3	69.0	117.1	167.7	220.0	269.7	322.5	377.9	449.8
45°	0.0	12.8	38.4	75.8	126.2	180.1	234.3	286.4	344.2	409.9	485.7
42.5°	0.0	13.3	41.4	82.3	134.9	192.1	248.0	303.7	365.0	440.8	527.9
40°	0.0	13.9	44.2	88.5	143.6	203.5	261.1	321.0	387.0	470.4	569.6
37.5°	0.0	14.4	46.9	94.4	152.2	214.3	273.5	337.6	411.9	500.6	609.3
35°	0.0	14.8	49.5	99.9	160.4	224.3	285.3	353.2	435.5	534.3	649.9
32.5°	0.0	15.3	51.9	105.2	168.1	233.5	296.8	368.0	457.7	566.2	692.6
30°	0.0	15.7	54.1	110.0	175.3	242.1	308.6	382.8	478.6	596.0	732.6
27.5°	0.0	16.1	56.2	114.6	181.9	250.0	319.5	399.6	499.8	623.7	769.8
25°	0.0	16.4	58.1	118.7	188.1	257.4	329.5	415.1	522.4	652.6	804.5
22.5°	0.0	16.7	59.8	122.5	193.7	264.1	338.7	429.2	542.9	680.6	845.2
20°	0.0	17.0	61.4	126.0	198.7	270.1	346.9	441.9	561.5	705.8	881.8
17.5°	0.0	17.3	62.7	129.0	203.2	275.4	354.3	453.3	578.0	728.3	914.4
15°	0.0	17.5	63.9	131.6	207.0	280.1	360.7	463.1	592.4	747.8	942.9
12.5°	0.0	17.7	65.0	133.9	210.3	284.0	366.1	471.5	604.6	764.5	967.1
10°	0.0	17.8	65.8	135.7	213.1	287.3	370.5	478.4	614.6	778.2	987.0
7.5°	0.0	17.9	66.5	137.1	215.2	289.8	374.0	483.8	622.5	788.9	1002.6
5°	0.0	18.0	66.9	138.2	216.7	291.6	376.5	487.6	628.1	796.6	1013.8
2.5°	0.0	18.1	67.2	138.8	217.6	292.7	378.0	489.9	631.5	801.2	1020.5
0°	0.0	18.1	67.3	139.0	217.9	293.1	378.5	490.7	632.6	802.7	1022.7
-2.5°	0.0	18.1	67.2	138.8	217.6	292.7	378.0	489.9	631.5	801.2	1020.5
-5°	0.0	18.0	66.9	138.2	216.7	291.6	376.5	487.6	628.1	796.6	1013.8
-7.5°	0.0	17.9	66.5	137.1	215.2	289.8	374.0	483.8	622.5	788.9	1002.6
-10°	0.0	17.8	65.8	135.7	213.1	287.3	370.5	478.4	614.6	778.2	987.0
-12.5°	0.0	17.7	65.0	133.9	210.3	284.0	366.1	471.5	604.6	764.5	967.1
-15°	0.0	17.5	63.9	131.6	207.0	280.1	360.7	463.1	592.4	747.8	942.9
-17.5°	0.0	17.3	62.7	129.0	203.2	275.4	354.3	453.3	578.0	728.3	914.4
-20°	0.0	17.0	61.4	126.0	198.7	270.1	346.9	441.9	561.5	705.8	881.8

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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	16.7	59.8	122.5	193.7	264.1	338.7	429.2	542.9	680.6	845.2
-25°	0.0	16.4	58.1	118.7	188.1	257.4	329.5	415.1	522.4	652.6	804.5
-27.5°	0.0	16.1	56.2	114.6	181.9	250.0	319.5	399.6	499.8	623.7	769.8
-30°	0.0	15.7	54.1	110.0	175.3	242.1	308.6	382.8	478.6	596.0	732.6
-32.5°	0.0	15.3	51.9	105.2	168.1	233.5	296.8	368.0	457.7	566.2	692.6
-35°	0.0	14.8	49.5	99.9	160.4	224.3	285.3	353.2	435.5	534.3	649.9
-37.5°	0.0	14.4	46.9	94.4	152.2	214.3	273.5	337.6	411.9	500.6	609.3
-40°	0.0	13.9	44.2	88.5	143.6	203.5	261.1	321.0	387.0	470.4	569.6
-42.5°	0.0	13.3	41.4	82.3	134.9	192.1	248.0	303.7	365.0	440.8	527.9
-45°	0.0	12.8	38.4	75.8	126.2	180.1	234.3	286.4	344.2	409.9	485.7
-47.5°	0.0	12.2	35.3	69.0	117.1	167.7	220.0	269.7	322.5	377.9	449.8
-50°	0.0	11.6	32.1	63.6	107.7	154.7	204.5	252.3	299.9	352.5	412.7
-52.5°	0.0	11.0	28.8	58.6	97.9	141.3	188.4	234.4	278.6	326.3	375.4
-55°	0.0	10.4	25.3	53.4	87.8	128.4	171.7	215.8	257.4	299.2	345.3
-57.5°	0.0	9.7	21.7	48.0	77.4	115.4	154.6	195.7	235.6	274.0	314.4
-60°	0.0	9.0	18.1	42.5	66.9	102.1	137.1	175.2	213.1	248.9	284.0
-62.5°	0.0	8.4	16.7	36.9	59.4	88.4	120.8	154.2	189.1	223.2	255.6
-65°	0.0	7.6	15.3	31.1	51.7	74.4	104.0	133.3	164.6	196.0	226.6
-67.5°	0.0	6.9	13.8	25.2	43.9	62.4	86.9	113.4	139.7	168.1	196.0
-70°	0.0	6.2	12.4	19.3	35.9	52.4	69.6	93.2	116.6	139.7	164.6
-72.5°	0.0	5.4	10.9	16.3	27.8	42.3	56.7	72.7	93.2	113.4	133.3
-75°	0.0	4.7	9.4	14.0	19.6	32.1	44.5	56.7	69.6	86.9	104.0
-77.5°	0.0	3.9	7.8	11.7	15.6	21.7	32.1	42.3	52.4	62.4	74.4
-80°	0.0	3.1	6.3	9.4	12.5	15.6	19.6	27.8	35.9	43.9	51.7
-82.5°	0.0	2.4	4.7	7.1	9.4	11.7	14.0	16.3	19.3	25.2	31.1
-85°	0.0	1.6	3.2	4.7	6.3	7.8	9.4	10.9	12.4	13.8	15.3
-87.5°	0.0	0.8	1.6	2.4	3.1	3.9	4.7	5.4	6.2	6.9	7.6
-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):**

	-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°	8.4	9.0	9.7	10.4	11.0	11.6	12.2	12.8	13.3	13.9	14.4
85°	16.7	18.1	21.7	25.3	28.8	32.1	35.3	38.4	41.4	44.2	46.9
82.5°	36.9	42.5	48.0	53.4	58.6	63.6	69.0	75.8	82.3	88.5	94.4
80°	59.4	66.9	77.4	87.8	97.9	107.7	117.1	126.2	134.9	143.6	152.2
77.5°	88.4	102.1	115.4	128.4	141.3	154.7	167.7	180.1	192.1	203.5	214.3
75°	120.8	137.1	154.6	171.7	188.4	204.5	220.0	234.3	248.0	261.1	273.5
72.5°	154.2	175.2	195.7	215.8	234.4	252.3	269.7	286.4	303.7	321.0	337.6
70°	189.1	213.1	235.6	257.4	278.6	299.9	322.5	344.2	365.0	387.0	411.9
67.5°	223.2	248.9	274.0	299.2	326.3	352.5	377.9	409.9	440.8	470.4	500.6
65°	255.6	284.0	314.4	345.3	375.4	412.7	449.8	485.7	527.9	569.6	609.3
62.5°	287.4	322.1	356.8	394.6	438.0	480.2	529.1	579.1	627.1	681.2	733.9
60°	322.1	360.7	404.7	453.3	503.2	561.5	618.0	680.6	743.6	804.5	879.3
57.5°	356.8	404.7	458.4	516.2	581.1	646.5	720.0	791.1	876.4	961.5	1046.3
55°	394.6	453.3	516.2	587.6	662.3	743.8	829.0	928.3	1024.4	1131.5	1234.1
52.5°	438.0	503.2	581.1	662.3	751.8	849.8	959.8	1073.5	1193.2	1309.5	1423.6
50°	480.2	561.5	646.5	743.8	849.8	970.3	1098.2	1230.6	1361.3	1488.9	1608.3
47.5°	529.1	618.0	720.0	829.0	959.8	1098.2	1243.1	1387.4	1528.4	1659.3	1784.6
45°	579.1	680.6	791.1	928.3	1073.5	1230.6	1387.4	1541.7	1685.0	1820.1	1938.4
42.5°	627.1	743.6	876.4	1024.4	1193.2	1361.3	1528.4	1685.0	1831.7	1961.9	2080.7
40°	681.2	804.5	961.5	1131.5	1309.5	1488.9	1659.3	1820.1	1961.9	2091.5	2211.8
37.5°	733.9	879.3	1046.3	1234.1	1423.6	1608.3	1784.6	1938.4	2080.7	2211.8	2327.2
35°	784.0	950.4	1136.4	1333.5	1532.4	1720.2	1891.8	2048.4	2189.8	2317.0	2435.0
32.5°	839.6	1017.6	1221.6	1429.0	1631.6	1822.9	1992.9	2146.1	2286.7	2415.9	2533.0
30°	897.0	1090.0	1302.5	1518.9	1724.7	1911.8	2081.6	2236.7	2376.2	2503.8	2618.6
27.5°	950.4	1158.4	1379.7	1600.3	1809.8	1995.2	2162.7	2315.4	2455.7	2584.2	2695.5
25°	999.7	1221.6	1451.1	1674.8	1881.5	2067.3	2236.3	2388.9	2528.4	2651.7	2759.9
22.5°	1048.5	1279.5	1516.6	1743.2	1947.3	2131.7	2299.2	2452.2	2591.7	2713.9	2817.7
20°	1095.8	1333.5	1574.4	1803.8	2007.0	2190.2	2356.4	2509.2	2645.0	2763.3	2866.6
17.5°	1138.0	1381.5	1624.9	1852.8	2056.1	2240.2	2407.1	2560.3	2692.9	2807.8	2908.8
15°	1174.8	1423.6	1669.1	1895.6	2098.3	2281.7	2448.6	2600.2	2731.8	2845.8	2946.1
12.5°	1206.2	1459.4	1706.8	1932.2	2134.4	2317.2	2484.2	2633.6	2763.1	2875.6	2973.7
10°	1232.0	1488.9	1737.9	1962.4	2164.2	2346.6	2513.6	2661.4	2789.0	2900.3	2996.7
7.5°	1252.2	1511.9	1762.2	1986.0	2187.5	2369.6	2536.7	2683.1	2809.4	2919.8	3014.8
5°	1266.6	1528.4	1779.6	2002.9	2204.3	2386.1	2553.3	2698.8	2824.1	2933.9	3027.9
2.5°	1275.3	1538.4	1790.1	2013.1	2214.3	2396.1	2563.3	2708.2	2832.9	2942.4	3035.8
0°	1278.2	1541.7	1793.6	2016.5	2217.7	2399.4	2566.6	2711.4	2835.9	2945.2	3038.5
-2.5°	1275.3	1538.4	1790.1	2013.1	2214.3	2396.1	2563.3	2708.2	2832.9	2942.4	3035.8
-5°	1266.6	1528.4	1779.6	2002.9	2204.3	2386.1	2553.3	2698.8	2824.1	2933.9	3027.9
-7.5°	1252.2	1511.9	1762.2	1986.0	2187.5	2369.6	2536.7	2683.1	2809.4	2919.8	3014.8
-10°	1232.0	1488.9	1737.9	1962.4	2164.2	2346.6	2513.6	2661.4	2789.0	2900.3	2996.7
-12.5°	1206.2	1459.4	1706.8	1932.2	2134.4	2317.2	2484.2	2633.6	2763.1	2875.6	2973.7
-15°	1174.8	1423.6	1669.1	1895.6	2098.3	2281.7	2448.6	2600.2	2731.8	2845.8	2946.1
-17.5°	1138.0	1381.5	1624.9	1852.8	2056.1	2240.2	2407.1	2560.3	2692.9	2807.8	2908.8
-20°	1095.8	1333.5	1574.4	1803.8	2007.0	2190.2	2356.4	2509.2	2645.0	2763.3	2866.6



REPORT NUMBER: P645370 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-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°	1048.5	1279.5	1516.6	1743.2	1947.3	2131.7	2299.2	2452.2	2591.7	2713.9	2817.7
-25°	999.7	1221.6	1451.1	1674.8	1881.5	2067.3	2236.3	2388.9	2528.4	2651.7	2759.9
-27.5°	950.4	1158.4	1379.7	1600.3	1809.8	1995.2	2162.7	2315.4	2455.7	2584.2	2695.5
-30°	897.0	1090.0	1302.5	1518.9	1724.7	1911.8	2081.6	2236.7	2376.2	2503.8	2618.6
-32.5°	839.6	1017.6	1221.6	1429.0	1631.6	1822.9	1992.9	2146.1	2286.7	2415.9	2533.0
-35°	784.0	950.4	1136.4	1333.5	1532.4	1720.2	1891.8	2048.4	2189.8	2317.0	2435.0
-37.5°	733.9	879.3	1046.3	1234.1	1423.6	1608.3	1784.6	1938.4	2080.7	2211.8	2327.2
-40°	681.2	804.5	961.5	1131.5	1309.5	1488.9	1659.3	1820.1	1961.9	2091.5	2211.8
-42.5°	627.1	743.6	876.4	1024.4	1193.2	1361.3	1528.4	1685.0	1831.7	1961.9	2080.7
-45°	579.1	680.6	791.1	928.3	1073.5	1230.6	1387.4	1541.7	1685.0	1820.1	1938.4
-47.5°	529.1	618.0	720.0	829.0	959.8	1098.2	1243.1	1387.4	1528.4	1659.3	1784.6
-50°	480.2	561.5	646.5	743.8	849.8	970.3	1098.2	1230.6	1361.3	1488.9	1608.3
-52.5°	438.0	503.2	581.1	662.3	751.8	849.8	959.8	1073.5	1193.2	1309.5	1423.6
-55°	394.6	453.3	516.2	587.6	662.3	743.8	829.0	928.3	1024.4	1131.5	1234.1
-57.5°	356.8	404.7	458.4	516.2	581.1	646.5	720.0	791.1	876.4	961.5	1046.3
-60°	322.1	360.7	404.7	453.3	503.2	561.5	618.0	680.6	743.6	804.5	879.3
-62.5°	287.4	322.1	356.8	394.6	438.0	480.2	529.1	579.1	627.1	681.2	733.9
-65°	255.6	284.0	314.4	345.3	375.4	412.7	449.8	485.7	527.9	569.6	609.3
-67.5°	223.2	248.9	274.0	299.2	326.3	352.5	377.9	409.9	440.8	470.4	500.6
-70°	189.1	213.1	235.6	257.4	278.6	299.9	322.5	344.2	365.0	387.0	411.9
-72.5°	154.2	175.2	195.7	215.8	234.4	252.3	269.7	286.4	303.7	321.0	337.6
-75°	120.8	137.1	154.6	171.7	188.4	204.5	220.0	234.3	248.0	261.1	273.5
-77.5°	88.4	102.1	115.4	128.4	141.3	154.7	167.7	180.1	192.1	203.5	214.3
-80°	59.4	66.9	77.4	87.8	97.9	107.7	117.1	126.2	134.9	143.6	152.2
-82.5°	36.9	42.5	48.0	53.4	58.6	63.6	69.0	75.8	82.3	88.5	94.4
-85°	16.7	18.1	21.7	25.3	28.8	32.1	35.3	38.4	41.4	44.2	46.9
-87.5°	8.4	9.0	9.7	10.4	11.0	11.6	12.2	12.8	13.3	13.9	14.4
-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: P645370 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-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°	14.8	15.3	15.7	16.1	16.4	16.7	17.0	17.3	17.5	17.7	17.8
85°	49.5	51.9	54.1	56.2	58.1	59.8	61.4	62.7	63.9	65.0	65.8
82.5°	99.9	105.2	110.0	114.6	118.7	122.5	126.0	129.0	131.6	133.9	135.7
80°	160.4	168.1	175.3	181.9	188.1	193.7	198.7	203.2	207.0	210.3	213.1
77.5°	224.3	233.5	242.1	250.0	257.4	264.1	270.1	275.4	280.1	284.0	287.3
75°	285.3	296.8	308.6	319.5	329.5	338.7	346.9	354.3	360.7	366.1	370.5
72.5°	353.2	368.0	382.8	399.6	415.1	429.2	441.9	453.3	463.1	471.5	478.4
70°	435.5	457.7	478.6	499.8	522.4	542.9	561.5	578.0	592.4	604.6	614.6
67.5°	534.3	566.2	596.0	623.7	652.6	680.6	705.8	728.3	747.8	764.5	778.2
65°	649.9	692.6	732.6	769.8	804.5	845.2	881.8	914.4	942.9	967.1	987.0
62.5°	784.0	839.6	897.0	950.4	999.7	1048.5	1095.8	1138.0	1174.8	1206.2	1232.0
60°	950.4	1017.6	1090.0	1158.4	1221.6	1279.5	1333.5	1381.5	1423.6	1459.4	1488.9
57.5°	1136.4	1221.6	1302.5	1379.7	1451.1	1516.6	1574.4	1624.9	1669.1	1706.8	1737.9
55°	1333.5	1429.0	1518.9	1600.3	1674.8	1743.2	1803.8	1852.8	1895.6	1932.2	1962.4
52.5°	1532.4	1631.6	1724.7	1809.8	1881.5	1947.3	2007.0	2056.1	2098.3	2134.4	2164.2
50°	1720.2	1822.9	1911.8	1995.2	2067.3	2131.7	2190.2	2240.2	2281.7	2317.2	2346.6
47.5°	1891.8	1992.9	2081.6	2162.7	2236.3	2299.2	2356.4	2407.1	2448.6	2484.2	2513.6
45°	2048.4	2146.1	2236.7	2315.4	2388.9	2452.2	2509.2	2560.3	2600.2	2633.6	2661.4
42.5°	2189.8	2286.7	2376.2	2455.7	2528.4	2591.7	2645.0	2692.9	2731.8	2763.1	2789.0
40°	2317.0	2415.9	2503.8	2584.2	2651.7	2713.9	2763.3	2807.8	2845.8	2875.6	2900.3
37.5°	2435.0	2533.0	2618.6	2695.5	2759.9	2817.7	2866.6	2908.8	2946.1	2973.7	2996.7
35°	2542.9	2636.0	2720.7	2791.2	2855.0	2909.5	2957.6	2996.5	3031.1	3057.4	3078.4
32.5°	2636.0	2728.4	2807.0	2876.4	2938.7	2989.5	3035.6	3071.3	3102.7	3128.1	3147.6
30°	2720.7	2807.0	2883.6	2952.3	3009.0	3058.5	3100.1	3134.9	3164.0	3188.1	3205.3
27.5°	2791.2	2876.4	2952.3	3015.6	3069.9	3117.6	3155.6	3189.2	3214.6	3236.8	3251.5
25°	2855.0	2938.7	3009.0	3069.9	3122.7	3166.2	3202.4	3232.8	3255.3	3274.3	3285.2
22.5°	2909.5	2989.5	3058.5	3117.6	3166.2	3206.9	3241.0	3266.7	3285.1	3296.6	3303.1
20°	2957.6	3035.6	3100.1	3155.6	3202.4	3241.0	3270.6	3289.6	3302.4	3305.6	3307.5
17.5°	2996.5	3071.3	3134.9	3189.2	3232.8	3266.7	3289.6	3303.0	3306.9	3306.2	3304.3
15°	3031.1	3102.7	3164.0	3214.6	3255.3	3285.1	3302.4	3306.9	3305.8	3301.9	3295.9
12.5°	3057.4	3128.1	3188.1	3236.8	3274.3	3296.6	3305.6	3306.2	3301.9	3294.4	3286.0
10°	3078.4	3147.6	3205.3	3251.5	3285.2	3303.1	3307.5	3304.3	3295.9	3286.0	3276.6
7.5°	3095.0	3163.0	3218.9	3263.3	3292.4	3305.1	3306.1	3300.1	3290.0	3278.8	3268.6
5°	3107.0	3174.2	3228.8	3271.8	3297.7	3306.6	3305.1	3296.8	3285.1	3273.4	3264.1
2.5°	3114.3	3181.0	3234.9	3277.0	3300.9	3307.5	3304.4	3294.7	3282.1	3269.9	3261.1
0°	3116.7	3183.3	3236.9	3278.8	3302.0	3307.8	3304.2	3294.0	3281.0	3268.7	3260.0
-2.5°	3114.3	3181.0	3234.9	3277.0	3300.9	3307.5	3304.4	3294.7	3282.1	3269.9	3261.1
-5°	3107.0	3174.2	3228.8	3271.8	3297.7	3306.6	3305.1	3296.8	3285.1	3273.4	3264.1
-7.5°	3095.0	3163.0	3218.9	3263.3	3292.4	3305.1	3306.1	3300.1	3290.0	3278.8	3268.6
-10°	3078.4	3147.6	3205.3	3251.5	3285.2	3303.1	3307.5	3304.3	3295.9	3286.0	3276.6
-12.5°	3057.4	3128.1	3188.1	3236.8	3274.3	3296.6	3305.6	3306.2	3301.9	3294.4	3286.0
-15°	3031.1	3102.7	3164.0	3214.6	3255.3	3285.1	3302.4	3306.9	3305.8	3301.9	3295.9
-17.5°	2996.5	3071.3	3134.9	3189.2	3232.8	3266.7	3289.6	3303.0	3306.9	3306.2	3304.3
-20°	2957.6	3035.6	3100.1	3155.6	3202.4	3241.0	3270.6	3289.6	3302.4	3305.6	3307.5



REPORT NUMBER: P645370 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2909.5	2989.5	3058.5	3117.6	3166.2	3206.9	3241.0	3266.7	3285.1	3296.6	3303.1
-25°	2855.0	2938.7	3009.0	3069.9	3122.7	3166.2	3202.4	3232.8	3255.3	3274.3	3285.2
-27.5°	2791.2	2876.4	2952.3	3015.6	3069.9	3117.6	3155.6	3189.2	3214.6	3236.8	3251.5
-30°	2720.7	2807.0	2883.6	2952.3	3009.0	3058.5	3100.1	3134.9	3164.0	3188.1	3205.3
-32.5°	2636.0	2728.4	2807.0	2876.4	2938.7	2989.5	3035.6	3071.3	3102.7	3128.1	3147.6
-35°	2542.9	2636.0	2720.7	2791.2	2855.0	2909.5	2957.6	2996.5	3031.1	3057.4	3078.4
-37.5°	2435.0	2533.0	2618.6	2695.5	2759.9	2817.7	2866.6	2908.8	2946.1	2973.7	2996.7
-40°	2317.0	2415.9	2503.8	2584.2	2651.7	2713.9	2763.3	2807.8	2845.8	2875.6	2900.3
-42.5°	2189.8	2286.7	2376.2	2455.7	2528.4	2591.7	2645.0	2692.9	2731.8	2763.1	2789.0
-45°	2048.4	2146.1	2236.7	2315.4	2388.9	2452.2	2509.2	2560.3	2600.2	2633.6	2661.4
-47.5°	1891.8	1992.9	2081.6	2162.7	2236.3	2299.2	2356.4	2407.1	2448.6	2484.2	2513.6
-50°	1720.2	1822.9	1911.8	1995.2	2067.3	2131.7	2190.2	2240.2	2281.7	2317.2	2346.6
-52.5°	1532.4	1631.6	1724.7	1809.8	1881.5	1947.3	2007.0	2056.1	2098.3	2134.4	2164.2
-55°	1333.5	1429.0	1518.9	1600.3	1674.8	1743.2	1803.8	1852.8	1895.6	1932.2	1962.4
-57.5°	1136.4	1221.6	1302.5	1379.7	1451.1	1516.6	1574.4	1624.9	1669.1	1706.8	1737.9
-60°	950.4	1017.6	1090.0	1158.4	1221.6	1279.5	1333.5	1381.5	1423.6	1459.4	1488.9
-62.5°	784.0	839.6	897.0	950.4	999.7	1048.5	1095.8	1138.0	1174.8	1206.2	1232.0
-65°	649.9	692.6	732.6	769.8	804.5	845.2	881.8	914.4	942.9	967.1	987.0
-67.5°	534.3	566.2	596.0	623.7	652.6	680.6	705.8	728.3	747.8	764.5	778.2
-70°	435.5	457.7	478.6	499.8	522.4	542.9	561.5	578.0	592.4	604.6	614.6
-72.5°	353.2	368.0	382.8	399.6	415.1	429.2	441.9	453.3	463.1	471.5	478.4
-75°	285.3	296.8	308.6	319.5	329.5	338.7	346.9	354.3	360.7	366.1	370.5
-77.5°	224.3	233.5	242.1	250.0	257.4	264.1	270.1	275.4	280.1	284.0	287.3
-80°	160.4	168.1	175.3	181.9	188.1	193.7	198.7	203.2	207.0	210.3	213.1
-82.5°	99.9	105.2	110.0	114.6	118.7	122.5	126.0	129.0	131.6	133.9	135.7
-85°	49.5	51.9	54.1	56.2	58.1	59.8	61.4	62.7	63.9	65.0	65.8
-87.5°	14.8	15.3	15.7	16.1	16.4	16.7	17.0	17.3	17.5	17.7	17.8
-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: P645370 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-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°	17.9	18.0	18.1	18.1	18.1	18.0	17.9	17.8	17.7	17.5	17.3
85°	66.5	66.9	67.2	67.3	67.2	66.9	66.5	65.8	65.0	63.9	62.7
82.5°	137.1	138.2	138.8	139.0	138.8	138.2	137.1	135.7	133.9	131.6	129.0
80°	215.2	216.7	217.6	217.9	217.6	216.7	215.2	213.1	210.3	207.0	203.2
77.5°	289.8	291.6	292.7	293.1	292.7	291.6	289.8	287.3	284.0	280.1	275.4
75°	374.0	376.5	378.0	378.5	378.0	376.5	374.0	370.5	366.1	360.7	354.3
72.5°	483.8	487.6	489.9	490.7	489.9	487.6	483.8	478.4	471.5	463.1	453.3
70°	622.5	628.1	631.5	632.6	631.5	628.1	622.5	614.6	604.6	592.4	578.0
67.5°	788.9	796.6	801.2	802.7	801.2	796.6	788.9	778.2	764.5	747.8	728.3
65°	1002.6	1013.8	1020.5	1022.7	1020.5	1013.8	1002.6	987.0	967.1	942.9	914.4
62.5°	1252.2	1266.6	1275.3	1278.2	1275.3	1266.6	1252.2	1232.0	1206.2	1174.8	1138.0
60°	1511.9	1528.4	1538.4	1541.7	1538.4	1528.4	1511.9	1488.9	1459.4	1423.6	1381.5
57.5°	1762.2	1779.6	1790.1	1793.6	1790.1	1779.6	1762.2	1737.9	1706.8	1669.1	1624.9
55°	1986.0	2002.9	2013.1	2016.5	2013.1	2002.9	1986.0	1962.4	1932.2	1895.6	1852.8
52.5°	2187.5	2204.3	2214.3	2217.7	2214.3	2204.3	2187.5	2164.2	2134.4	2098.3	2056.1
50°	2369.6	2386.1	2396.1	2399.4	2396.1	2386.1	2369.6	2346.6	2317.2	2281.7	2240.2
47.5°	2536.7	2553.3	2563.3	2566.6	2563.3	2553.3	2536.7	2513.6	2484.2	2448.6	2407.1
45°	2683.1	2698.8	2708.2	2711.4	2708.2	2698.8	2683.1	2661.4	2633.6	2600.2	2560.3
42.5°	2809.4	2824.1	2832.9	2835.9	2832.9	2824.1	2809.4	2789.0	2763.1	2731.8	2692.9
40°	2919.8	2933.9	2942.4	2945.2	2942.4	2933.9	2919.8	2900.3	2875.6	2845.8	2807.8
37.5°	3014.8	3027.9	3035.8	3038.5	3035.8	3027.9	3014.8	2996.7	2973.7	2946.1	2908.8
35°	3095.0	3107.0	3114.3	3116.7	3114.3	3107.0	3095.0	3078.4	3057.4	3031.1	2996.5
32.5°	3163.0	3174.2	3181.0	3183.3	3181.0	3174.2	3163.0	3147.6	3128.1	3102.7	3071.3
30°	3218.9	3228.8	3234.9	3236.9	3234.9	3228.8	3218.9	3205.3	3188.1	3164.0	3134.9
27.5°	3263.3	3271.8	3277.0	3278.8	3277.0	3271.8	3263.3	3251.5	3236.8	3214.6	3189.2
25°	3292.4	3297.7	3300.9	3302.0	3300.9	3297.7	3292.4	3285.2	3274.3	3255.3	3232.8
22.5°	3305.1	3306.6	3307.5	3307.8	3307.5	3306.6	3305.1	3303.1	3296.6	3285.1	3266.7
20°	3306.1	3305.1	3304.4	3304.2	3304.4	3305.1	3306.1	3307.5	3305.6	3302.4	3289.6
17.5°	3300.1	3296.8	3294.7	3294.0	3294.7	3296.8	3300.1	3304.3	3306.2	3306.9	3303.0
15°	3290.0	3285.1	3282.1	3281.0	3282.1	3285.1	3290.0	3295.9	3301.9	3305.8	3306.9
12.5°	3278.8	3273.4	3269.9	3268.7	3269.9	3273.4	3278.8	3286.0	3294.4	3301.9	3306.2
10°	3268.6	3264.1	3261.1	3260.0	3261.1	3264.1	3268.6	3276.6	3286.0	3295.9	3304.3
7.5°	3262.1	3258.0	3255.8	3255.0	3255.8	3258.0	3262.1	3268.6	3278.8	3290.0	3300.1
5°	3258.0	3254.0	3250.6	3249.2	3250.6	3254.0	3258.0	3264.1	3273.4	3285.1	3296.8
2.5°	3255.8	3250.6	3245.3	3242.6	3245.3	3250.6	3255.8	3261.1	3269.9	3282.1	3294.7
0°	3255.0	3249.2	3242.6	3243.4	3242.6	3249.2	3255.0	3260.0	3268.7	3281.0	3294.0
-2.5°	3255.8	3250.6	3245.3	3242.6	3245.3	3250.6	3255.8	3261.1	3269.9	3282.1	3294.7
-5°	3258.0	3254.0	3250.6	3249.2	3250.6	3254.0	3258.0	3264.1	3273.4	3285.1	3296.8
-7.5°	3262.1	3258.0	3255.8	3255.0	3255.8	3258.0	3262.1	3268.6	3278.8	3290.0	3300.1
-10°	3268.6	3264.1	3261.1	3260.0	3261.1	3264.1	3268.6	3276.6	3286.0	3295.9	3304.3
-12.5°	3278.8	3273.4	3269.9	3268.7	3269.9	3273.4	3278.8	3286.0	3294.4	3301.9	3306.2
-15°	3290.0	3285.1	3282.1	3281.0	3282.1	3285.1	3290.0	3295.9	3301.9	3305.8	3306.9
-17.5°	3300.1	3296.8	3294.7	3294.0	3294.7	3296.8	3300.1	3304.3	3306.2	3306.9	3303.0
-20°	3306.1	3305.1	3304.4	3304.2	3304.4	3305.1	3306.1	3307.5	3305.6	3302.4	3289.6



REPORT NUMBER: P645370 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-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°	3305.1	3306.6	3307.5	3307.8	3307.5	3306.6	3305.1	3303.1	3296.6	3285.1	3266.7
-25°	3292.4	3297.7	3300.9	3302.0	3300.9	3297.7	3292.4	3285.2	3274.3	3255.3	3232.8
-27.5°	3263.3	3271.8	3277.0	3278.8	3277.0	3271.8	3263.3	3251.5	3236.8	3214.6	3189.2
-30°	3218.9	3228.8	3234.9	3236.9	3234.9	3228.8	3218.9	3205.3	3188.1	3164.0	3134.9
-32.5°	3163.0	3174.2	3181.0	3183.3	3181.0	3174.2	3163.0	3147.6	3128.1	3102.7	3071.3
-35°	3095.0	3107.0	3114.3	3116.7	3114.3	3107.0	3095.0	3078.4	3057.4	3031.1	2996.5
-37.5°	3014.8	3027.9	3035.8	3038.5	3035.8	3027.9	3014.8	2996.7	2973.7	2946.1	2908.8
-40°	2919.8	2933.9	2942.4	2945.2	2942.4	2933.9	2919.8	2900.3	2875.6	2845.8	2807.8
-42.5°	2809.4	2824.1	2832.9	2835.9	2832.9	2824.1	2809.4	2789.0	2763.1	2731.8	2692.9
-45°	2683.1	2698.8	2708.2	2711.4	2708.2	2698.8	2683.1	2661.4	2633.6	2600.2	2560.3
-47.5°	2536.7	2553.3	2563.3	2566.6	2563.3	2553.3	2536.7	2513.6	2484.2	2448.6	2407.1
-50°	2369.6	2386.1	2396.1	2399.4	2396.1	2386.1	2369.6	2346.6	2317.2	2281.7	2240.2
-52.5°	2187.5	2204.3	2214.3	2217.7	2214.3	2204.3	2187.5	2164.2	2134.4	2098.3	2056.1
-55°	1986.0	2002.9	2013.1	2016.5	2013.1	2002.9	1986.0	1962.4	1932.2	1895.6	1852.8
-57.5°	1762.2	1779.6	1790.1	1793.6	1790.1	1779.6	1762.2	1737.9	1706.8	1669.1	1624.9
-60°	1511.9	1528.4	1538.4	1541.7	1538.4	1528.4	1511.9	1488.9	1459.4	1423.6	1381.5
-62.5°	1252.2	1266.6	1275.3	1278.2	1275.3	1266.6	1252.2	1232.0	1206.2	1174.8	1138.0
-65°	1002.6	1013.8	1020.5	1022.7	1020.5	1013.8	1002.6	987.0	967.1	942.9	914.4
-67.5°	788.9	796.6	801.2	802.7	801.2	796.6	788.9	778.2	764.5	747.8	728.3
-70°	622.5	628.1	631.5	632.6	631.5	628.1	622.5	614.6	604.6	592.4	578.0
-72.5°	483.8	487.6	489.9	490.7	489.9	487.6	483.8	478.4	471.5	463.1	453.3
-75°	374.0	376.5	378.0	378.5	378.0	376.5	374.0	370.5	366.1	360.7	354.3
-77.5°	289.8	291.6	292.7	293.1	292.7	291.6	289.8	287.3	284.0	280.1	275.4
-80°	215.2	216.7	217.6	217.9	217.6	216.7	215.2	213.1	210.3	207.0	203.2
-82.5°	137.1	138.2	138.8	139.0	138.8	138.2	137.1	135.7	133.9	131.6	129.0
-85°	66.5	66.9	67.2	67.3	67.2	66.9	66.5	65.8	65.0	63.9	62.7
-87.5°	17.9	18.0	18.1	18.1	18.1	18.0	17.9	17.8	17.7	17.5	17.3
-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: P645370 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	17.0	16.7	16.4	16.1	15.7	15.3	14.8	14.4	13.9	13.3	12.8
85°	61.4	59.8	58.1	56.2	54.1	51.9	49.5	46.9	44.2	41.4	38.4
82.5°	126.0	122.5	118.7	114.6	110.0	105.2	99.9	94.4	88.5	82.3	75.8
80°	198.7	193.7	188.1	181.9	175.3	168.1	160.4	152.2	143.6	134.9	126.2
77.5°	270.1	264.1	257.4	250.0	242.1	233.5	224.3	214.3	203.5	192.1	180.1
75°	346.9	338.7	329.5	319.5	308.6	296.8	285.3	273.5	261.1	248.0	234.3
72.5°	441.9	429.2	415.1	399.6	382.8	368.0	353.2	337.6	321.0	303.7	286.4
70°	561.5	542.9	522.4	499.8	478.6	457.7	435.5	411.9	387.0	365.0	344.2
67.5°	705.8	680.6	652.6	623.7	596.0	566.2	534.3	500.6	470.4	440.8	409.9
65°	881.8	845.2	804.5	769.8	732.6	692.6	649.9	609.3	569.6	527.9	485.7
62.5°	1095.8	1048.5	999.7	950.4	897.0	839.6	784.0	733.9	681.2	627.1	579.1
60°	1333.5	1279.5	1221.6	1158.4	1090.0	1017.6	950.4	879.3	804.5	743.6	680.6
57.5°	1574.4	1516.6	1451.1	1379.7	1302.5	1221.6	1136.4	1046.3	961.5	876.4	791.1
55°	1803.8	1743.2	1674.8	1600.3	1518.9	1429.0	1333.5	1234.1	1131.5	1024.4	928.3
52.5°	2007.0	1947.3	1881.5	1809.8	1724.7	1631.6	1532.4	1423.6	1309.5	1193.2	1073.5
50°	2190.2	2131.7	2067.3	1995.2	1911.8	1822.9	1720.2	1608.3	1488.9	1361.3	1230.6
47.5°	2356.4	2299.2	2236.3	2162.7	2081.6	1992.9	1891.8	1784.6	1659.3	1528.4	1387.4
45°	2509.2	2452.2	2388.9	2315.4	2236.7	2146.1	2048.4	1938.4	1820.1	1685.0	1541.7
42.5°	2645.0	2591.7	2528.4	2455.7	2376.2	2286.7	2189.8	2080.7	1961.9	1831.7	1685.0
40°	2763.3	2713.9	2651.7	2584.2	2503.8	2415.9	2317.0	2211.8	2091.5	1961.9	1820.1
37.5°	2866.6	2817.7	2759.9	2695.5	2618.6	2533.0	2435.0	2327.2	2211.8	2080.7	1938.4
35°	2957.6	2909.5	2855.0	2791.2	2720.7	2636.0	2542.9	2435.0	2317.0	2189.8	2048.4
32.5°	3035.6	2989.5	2938.7	2876.4	2807.0	2728.4	2636.0	2533.0	2415.9	2286.7	2146.1
30°	3100.1	3058.5	3009.0	2952.3	2883.6	2807.0	2720.7	2618.6	2503.8	2376.2	2236.7
27.5°	3155.6	3117.6	3069.9	3015.6	2952.3	2876.4	2791.2	2695.5	2584.2	2455.7	2315.4
25°	3202.4	3166.2	3122.7	3069.9	3009.0	2938.7	2855.0	2759.9	2651.7	2528.4	2388.9
22.5°	3241.0	3206.9	3166.2	3117.6	3058.5	2989.5	2909.5	2817.7	2713.9	2591.7	2452.2
20°	3270.6	3241.0	3202.4	3155.6	3100.1	3035.6	2957.6	2866.6	2763.3	2645.0	2509.2
17.5°	3289.6	3266.7	3232.8	3189.2	3134.9	3071.3	2996.5	2908.8	2807.8	2692.9	2560.3
15°	3302.4	3285.1	3255.3	3214.6	3164.0	3102.7	3031.1	2946.1	2845.8	2731.8	2600.2
12.5°	3305.6	3296.6	3274.3	3236.8	3188.1	3128.1	3057.4	2973.7	2875.6	2763.1	2633.6
10°	3307.5	3303.1	3285.2	3251.5	3205.3	3147.6	3078.4	2996.7	2900.3	2789.0	2661.4
7.5°	3306.1	3305.1	3292.4	3263.3	3218.9	3163.0	3095.0	3014.8	2919.8	2809.4	2683.1
5°	3305.1	3306.6	3297.7	3271.8	3228.8	3174.2	3107.0	3027.9	2933.9	2824.1	2698.8
2.5°	3304.4	3307.5	3300.9	3277.0	3234.9	3181.0	3114.3	3035.8	2942.4	2832.9	2708.2
0°	3304.2	3307.8	3302.0	3278.8	3236.9	3183.3	3116.7	3038.5	2945.2	2835.9	2711.4
-2.5°	3304.4	3307.5	3300.9	3277.0	3234.9	3181.0	3114.3	3035.8	2942.4	2832.9	2708.2
-5°	3305.1	3306.6	3297.7	3271.8	3228.8	3174.2	3107.0	3027.9	2933.9	2824.1	2698.8
-7.5°	3306.1	3305.1	3292.4	3263.3	3218.9	3163.0	3095.0	3014.8	2919.8	2809.4	2683.1
-10°	3307.5	3303.1	3285.2	3251.5	3205.3	3147.6	3078.4	2996.7	2900.3	2789.0	2661.4
-12.5°	3305.6	3296.6	3274.3	3236.8	3188.1	3128.1	3057.4	2973.7	2875.6	2763.1	2633.6
-15°	3302.4	3285.1	3255.3	3214.6	3164.0	3102.7	3031.1	2946.1	2845.8	2731.8	2600.2
-17.5°	3289.6	3266.7	3232.8	3189.2	3134.9	3071.3	2996.5	2908.8	2807.8	2692.9	2560.3
-20°	3270.6	3241.0	3202.4	3155.6	3100.1	3035.6	2957.6	2866.6	2763.3	2645.0	2509.2



REPORT NUMBER: P645370 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-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°	3241.0	3206.9	3166.2	3117.6	3058.5	2989.5	2909.5	2817.7	2713.9	2591.7	2452.2
-25°	3202.4	3166.2	3122.7	3069.9	3009.0	2938.7	2855.0	2759.9	2651.7	2528.4	2388.9
-27.5°	3155.6	3117.6	3069.9	3015.6	2952.3	2876.4	2791.2	2695.5	2584.2	2455.7	2315.4
-30°	3100.1	3058.5	3009.0	2952.3	2883.6	2807.0	2720.7	2618.6	2503.8	2376.2	2236.7
-32.5°	3035.6	2989.5	2938.7	2876.4	2807.0	2728.4	2636.0	2533.0	2415.9	2286.7	2146.1
-35°	2957.6	2909.5	2855.0	2791.2	2720.7	2636.0	2542.9	2435.0	2317.0	2189.8	2048.4
-37.5°	2866.6	2817.7	2759.9	2695.5	2618.6	2533.0	2435.0	2327.2	2211.8	2080.7	1938.4
-40°	2763.3	2713.9	2651.7	2584.2	2503.8	2415.9	2317.0	2211.8	2091.5	1961.9	1820.1
-42.5°	2645.0	2591.7	2528.4	2455.7	2376.2	2286.7	2189.8	2080.7	1961.9	1831.7	1685.0
-45°	2509.2	2452.2	2388.9	2315.4	2236.7	2146.1	2048.4	1938.4	1820.1	1685.0	1541.7
-47.5°	2356.4	2299.2	2236.3	2162.7	2081.6	1992.9	1891.8	1784.6	1659.3	1528.4	1387.4
-50°	2190.2	2131.7	2067.3	1995.2	1911.8	1822.9	1720.2	1608.3	1488.9	1361.3	1230.6
-52.5°	2007.0	1947.3	1881.5	1809.8	1724.7	1631.6	1532.4	1423.6	1309.5	1193.2	1073.5
-55°	1803.8	1743.2	1674.8	1600.3	1518.9	1429.0	1333.5	1234.1	1131.5	1024.4	928.3
-57.5°	1574.4	1516.6	1451.1	1379.7	1302.5	1221.6	1136.4	1046.3	961.5	876.4	791.1
-60°	1333.5	1279.5	1221.6	1158.4	1090.0	1017.6	950.4	879.3	804.5	743.6	680.6
-62.5°	1095.8	1048.5	999.7	950.4	897.0	839.6	784.0	733.9	681.2	627.1	579.1
-65°	881.8	845.2	804.5	769.8	732.6	692.6	649.9	609.3	569.6	527.9	485.7
-67.5°	705.8	680.6	652.6	623.7	596.0	566.2	534.3	500.6	470.4	440.8	409.9
-70°	561.5	542.9	522.4	499.8	478.6	457.7	435.5	411.9	387.0	365.0	344.2
-72.5°	441.9	429.2	415.1	399.6	382.8	368.0	353.2	337.6	321.0	303.7	286.4
-75°	346.9	338.7	329.5	319.5	308.6	296.8	285.3	273.5	261.1	248.0	234.3
-77.5°	270.1	264.1	257.4	250.0	242.1	233.5	224.3	214.3	203.5	192.1	180.1
-80°	198.7	193.7	188.1	181.9	175.3	168.1	160.4	152.2	143.6	134.9	126.2
-82.5°	126.0	122.5	118.7	114.6	110.0	105.2	99.9	94.4	88.5	82.3	75.8
-85°	61.4	59.8	58.1	56.2	54.1	51.9	49.5	46.9	44.2	41.4	38.4
-87.5°	17.0	16.7	16.4	16.1	15.7	15.3	14.8	14.4	13.9	13.3	12.8
-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: P645370 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-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°	12.2	11.6	11.0	10.4	9.7	9.0	8.4	7.6	6.9	6.2	5.4
85°	35.3	32.1	28.8	25.3	21.7	18.1	16.7	15.3	13.8	12.4	10.9
82.5°	69.0	63.6	58.6	53.4	48.0	42.5	36.9	31.1	25.2	19.3	16.3
80°	117.1	107.7	97.9	87.8	77.4	66.9	59.4	51.7	43.9	35.9	27.8
77.5°	167.7	154.7	141.3	128.4	115.4	102.1	88.4	74.4	62.4	52.4	42.3
75°	220.0	204.5	188.4	171.7	154.6	137.1	120.8	104.0	86.9	69.6	56.7
72.5°	269.7	252.3	234.4	215.8	195.7	175.2	154.2	133.3	113.4	93.2	72.7
70°	322.5	299.9	278.6	257.4	235.6	213.1	189.1	164.6	139.7	116.6	93.2
67.5°	377.9	352.5	326.3	299.2	274.0	248.9	223.2	196.0	168.1	139.7	113.4
65°	449.8	412.7	375.4	345.3	314.4	284.0	255.6	226.6	196.0	164.6	133.3
62.5°	529.1	480.2	438.0	394.6	356.8	322.1	287.4	255.6	223.2	189.1	154.2
60°	618.0	561.5	503.2	453.3	404.7	360.7	322.1	284.0	248.9	213.1	175.2
57.5°	720.0	646.5	581.1	516.2	458.4	404.7	356.8	314.4	274.0	235.6	195.7
55°	829.0	743.8	662.3	587.6	516.2	453.3	394.6	345.3	299.2	257.4	215.8
52.5°	959.8	849.8	751.8	662.3	581.1	503.2	438.0	375.4	326.3	278.6	234.4
50°	1098.2	970.3	849.8	743.8	646.5	561.5	480.2	412.7	352.5	299.9	252.3
47.5°	1243.1	1098.2	959.8	829.0	720.0	618.0	529.1	449.8	377.9	322.5	269.7
45°	1387.4	1230.6	1073.5	928.3	791.1	680.6	579.1	485.7	409.9	344.2	286.4
42.5°	1528.4	1361.3	1193.2	1024.4	876.4	743.6	627.1	527.9	440.8	365.0	303.7
40°	1659.3	1488.9	1309.5	1131.5	961.5	804.5	681.2	569.6	470.4	387.0	321.0
37.5°	1784.6	1608.3	1423.6	1234.1	1046.3	879.3	733.9	609.3	500.6	411.9	337.6
35°	1891.8	1720.2	1532.4	1333.5	1136.4	950.4	784.0	649.9	534.3	435.5	353.2
32.5°	1992.9	1822.9	1631.6	1429.0	1221.6	1017.6	839.6	692.6	566.2	457.7	368.0
30°	2081.6	1911.8	1724.7	1518.9	1302.5	1090.0	897.0	732.6	596.0	478.6	382.8
27.5°	2162.7	1995.2	1809.8	1600.3	1379.7	1158.4	950.4	769.8	623.7	499.8	399.6
25°	2236.3	2067.3	1881.5	1674.8	1451.1	1221.6	999.7	804.5	652.6	522.4	415.1
22.5°	2299.2	2131.7	1947.3	1743.2	1516.6	1279.5	1048.5	845.2	680.6	542.9	429.2
20°	2356.4	2190.2	2007.0	1803.8	1574.4	1333.5	1095.8	881.8	705.8	561.5	441.9
17.5°	2407.1	2240.2	2056.1	1852.8	1624.9	1381.5	1138.0	914.4	728.3	578.0	453.3
15°	2448.6	2281.7	2098.3	1895.6	1669.1	1423.6	1174.8	942.9	747.8	592.4	463.1
12.5°	2484.2	2317.2	2134.4	1932.2	1706.8	1459.4	1206.2	967.1	764.5	604.6	471.5
10°	2513.6	2346.6	2164.2	1962.4	1737.9	1488.9	1232.0	987.0	778.2	614.6	478.4
7.5°	2536.7	2369.6	2187.5	1986.0	1762.2	1511.9	1252.2	1002.6	788.9	622.5	483.8
5°	2553.3	2386.1	2204.3	2002.9	1779.6	1528.4	1266.6	1013.8	796.6	628.1	487.6
2.5°	2563.3	2396.1	2214.3	2013.1	1790.1	1538.4	1275.3	1020.5	801.2	631.5	489.9
0°	2566.6	2399.4	2217.7	2016.5	1793.6	1541.7	1278.2	1022.7	802.7	632.6	490.7
-2.5°	2563.3	2396.1	2214.3	2013.1	1790.1	1538.4	1275.3	1020.5	801.2	631.5	489.9
-5°	2553.3	2386.1	2204.3	2002.9	1779.6	1528.4	1266.6	1013.8	796.6	628.1	487.6
-7.5°	2536.7	2369.6	2187.5	1986.0	1762.2	1511.9	1252.2	1002.6	788.9	622.5	483.8
-10°	2513.6	2346.6	2164.2	1962.4	1737.9	1488.9	1232.0	987.0	778.2	614.6	478.4
-12.5°	2484.2	2317.2	2134.4	1932.2	1706.8	1459.4	1206.2	967.1	764.5	604.6	471.5
-15°	2448.6	2281.7	2098.3	1895.6	1669.1	1423.6	1174.8	942.9	747.8	592.4	463.1
-17.5°	2407.1	2240.2	2056.1	1852.8	1624.9	1381.5	1138.0	914.4	728.3	578.0	453.3
-20°	2356.4	2190.2	2007.0	1803.8	1574.4	1333.5	1095.8	881.8	705.8	561.5	441.9

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REPORT NUMBER: P645370 (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°	2299.2	2131.7	1947.3	1743.2	1516.6	1279.5	1048.5	845.2	680.6	542.9	429.2
-25°	2236.3	2067.3	1881.5	1674.8	1451.1	1221.6	999.7	804.5	652.6	522.4	415.1
-27.5°	2162.7	1995.2	1809.8	1600.3	1379.7	1158.4	950.4	769.8	623.7	499.8	399.6
-30°	2081.6	1911.8	1724.7	1518.9	1302.5	1090.0	897.0	732.6	596.0	478.6	382.8
-32.5°	1992.9	1822.9	1631.6	1429.0	1221.6	1017.6	839.6	692.6	566.2	457.7	368.0
-35°	1891.8	1720.2	1532.4	1333.5	1136.4	950.4	784.0	649.9	534.3	435.5	353.2
-37.5°	1784.6	1608.3	1423.6	1234.1	1046.3	879.3	733.9	609.3	500.6	411.9	337.6
-40°	1659.3	1488.9	1309.5	1131.5	961.5	804.5	681.2	569.6	470.4	387.0	321.0
-42.5°	1528.4	1361.3	1193.2	1024.4	876.4	743.6	627.1	527.9	440.8	365.0	303.7
-45°	1387.4	1230.6	1073.5	928.3	791.1	680.6	579.1	485.7	409.9	344.2	286.4
-47.5°	1243.1	1098.2	959.8	829.0	720.0	618.0	529.1	449.8	377.9	322.5	269.7
-50°	1098.2	970.3	849.8	743.8	646.5	561.5	480.2	412.7	352.5	299.9	252.3
-52.5°	959.8	849.8	751.8	662.3	581.1	503.2	438.0	375.4	326.3	278.6	234.4
-55°	829.0	743.8	662.3	587.6	516.2	453.3	394.6	345.3	299.2	257.4	215.8
-57.5°	720.0	646.5	581.1	516.2	458.4	404.7	356.8	314.4	274.0	235.6	195.7
-60°	618.0	561.5	503.2	453.3	404.7	360.7	322.1	284.0	248.9	213.1	175.2
-62.5°	529.1	480.2	438.0	394.6	356.8	322.1	287.4	255.6	223.2	189.1	154.2
-65°	449.8	412.7	375.4	345.3	314.4	284.0	255.6	226.6	196.0	164.6	133.3
-67.5°	377.9	352.5	326.3	299.2	274.0	248.9	223.2	196.0	168.1	139.7	113.4
-70°	322.5	299.9	278.6	257.4	235.6	213.1	189.1	164.6	139.7	116.6	93.2
-72.5°	269.7	252.3	234.4	215.8	195.7	175.2	154.2	133.3	113.4	93.2	72.7
-75°	220.0	204.5	188.4	171.7	154.6	137.1	120.8	104.0	86.9	69.6	56.7
-77.5°	167.7	154.7	141.3	128.4	115.4	102.1	88.4	74.4	62.4	52.4	42.3
-80°	117.1	107.7	97.9	87.8	77.4	66.9	59.4	51.7	43.9	35.9	27.8
-82.5°	69.0	63.6	58.6	53.4	48.0	42.5	36.9	31.1	25.2	19.3	16.3
-85°	35.3	32.1	28.8	25.3	21.7	18.1	16.7	15.3	13.8	12.4	10.9
-87.5°	12.2	11.6	11.0	10.4	9.7	9.0	8.4	7.6	6.9	6.2	5.4
-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°	4.7	3.9	3.1	2.4	1.6	0.8	0.0
85°	9.4	7.8	6.3	4.7	3.2	1.6	0.0
82.5°	14.0	11.7	9.4	7.1	4.7	2.4	0.0
80°	19.6	15.6	12.5	9.4	6.3	3.1	0.0
77.5°	32.1	21.7	15.6	11.7	7.8	3.9	0.0
75°	44.5	32.1	19.6	14.0	9.4	4.7	0.0
72.5°	56.7	42.3	27.8	16.3	10.9	5.4	0.0
70°	69.6	52.4	35.9	19.3	12.4	6.2	0.0
67.5°	86.9	62.4	43.9	25.2	13.8	6.9	0.0
65°	104.0	74.4	51.7	31.1	15.3	7.6	0.0
62.5°	120.8	88.4	59.4	36.9	16.7	8.4	0.0
60°	137.1	102.1	66.9	42.5	18.1	9.0	0.0
57.5°	154.6	115.4	77.4	48.0	21.7	9.7	0.0
55°	171.7	128.4	87.8	53.4	25.3	10.4	0.0
52.5°	188.4	141.3	97.9	58.6	28.8	11.0	0.0
50°	204.5	154.7	107.7	63.6	32.1	11.6	0.0
47.5°	220.0	167.7	117.1	69.0	35.3	12.2	0.0
45°	234.3	180.1	126.2	75.8	38.4	12.8	0.0
42.5°	248.0	192.1	134.9	82.3	41.4	13.3	0.0
40°	261.1	203.5	143.6	88.5	44.2	13.9	0.0
37.5°	273.5	214.3	152.2	94.4	46.9	14.4	0.0
35°	285.3	224.3	160.4	99.9	49.5	14.8	0.0
32.5°	296.8	233.5	168.1	105.2	51.9	15.3	0.0
30°	308.6	242.1	175.3	110.0	54.1	15.7	0.0
27.5°	319.5	250.0	181.9	114.6	56.2	16.1	0.0
25°	329.5	257.4	188.1	118.7	58.1	16.4	0.0
22.5°	338.7	264.1	193.7	122.5	59.8	16.7	0.0
20°	346.9	270.1	198.7	126.0	61.4	17.0	0.0
17.5°	354.3	275.4	203.2	129.0	62.7	17.3	0.0
15°	360.7	280.1	207.0	131.6	63.9	17.5	0.0
12.5°	366.1	284.0	210.3	133.9	65.0	17.7	0.0
10°	370.5	287.3	213.1	135.7	65.8	17.8	0.0
7.5°	374.0	289.8	215.2	137.1	66.5	17.9	0.0
5°	376.5	291.6	216.7	138.2	66.9	18.0	0.0
2.5°	378.0	292.7	217.6	138.8	67.2	18.1	0.0
0°	378.5	293.1	217.9	139.0	67.3	18.1	0.0
-2.5°	378.0	292.7	217.6	138.8	67.2	18.1	0.0
-5°	376.5	291.6	216.7	138.2	66.9	18.0	0.0
-7.5°	374.0	289.8	215.2	137.1	66.5	17.9	0.0
-10°	370.5	287.3	213.1	135.7	65.8	17.8	0.0
-12.5°	366.1	284.0	210.3	133.9	65.0	17.7	0.0
-15°	360.7	280.1	207.0	131.6	63.9	17.5	0.0
-17.5°	354.3	275.4	203.2	129.0	62.7	17.3	0.0
-20°	346.9	270.1	198.7	126.0	61.4	17.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	338.7	264.1	193.7	122.5	59.8	16.7	0.0
-25°	329.5	257.4	188.1	118.7	58.1	16.4	0.0
-27.5°	319.5	250.0	181.9	114.6	56.2	16.1	0.0
-30°	308.6	242.1	175.3	110.0	54.1	15.7	0.0
-32.5°	296.8	233.5	168.1	105.2	51.9	15.3	0.0
-35°	285.3	224.3	160.4	99.9	49.5	14.8	0.0
-37.5°	273.5	214.3	152.2	94.4	46.9	14.4	0.0
-40°	261.1	203.5	143.6	88.5	44.2	13.9	0.0
-42.5°	248.0	192.1	134.9	82.3	41.4	13.3	0.0
-45°	234.3	180.1	126.2	75.8	38.4	12.8	0.0
-47.5°	220.0	167.7	117.1	69.0	35.3	12.2	0.0
-50°	204.5	154.7	107.7	63.6	32.1	11.6	0.0
-52.5°	188.4	141.3	97.9	58.6	28.8	11.0	0.0
-55°	171.7	128.4	87.8	53.4	25.3	10.4	0.0
-57.5°	154.6	115.4	77.4	48.0	21.7	9.7	0.0
-60°	137.1	102.1	66.9	42.5	18.1	9.0	0.0
-62.5°	120.8	88.4	59.4	36.9	16.7	8.4	0.0
-65°	104.0	74.4	51.7	31.1	15.3	7.6	0.0
-67.5°	86.9	62.4	43.9	25.2	13.8	6.9	0.0
-70°	69.6	52.4	35.9	19.3	12.4	6.2	0.0
-72.5°	56.7	42.3	27.8	16.3	10.9	5.4	0.0
-75°	44.5	32.1	19.6	14.0	9.4	4.7	0.0
-77.5°	32.1	21.7	15.6	11.7	7.8	3.9	0.0
-80°	19.6	15.6	12.5	9.4	6.3	3.1	0.0
-82.5°	14.0	11.7	9.4	7.1	4.7	2.4	0.0
-85°	9.4	7.8	6.3	4.7	3.2	1.6	0.0
-87.5°	4.7	3.9	3.1	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)