

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: P558891 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4B-930-U-WR-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P558891 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/20/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GFLD-SA4B-930-U-WR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6  
Light Source: (64) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

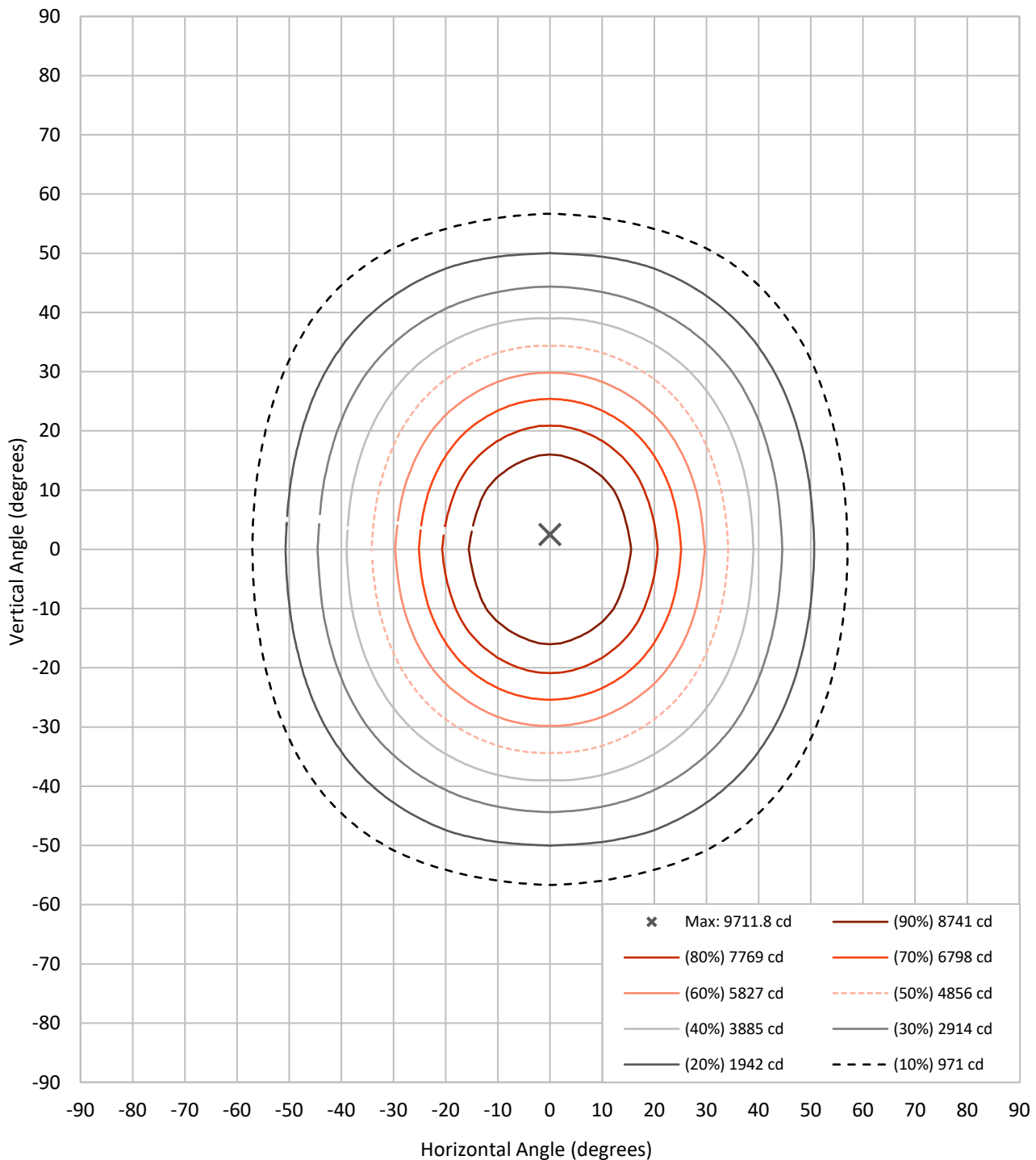
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	13144.1 lumens	Max Intensity:	9711.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 2.5°V
Efficacy:	104.3 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	68°H x 68.7°V	Field Angle (10%):	114°H x 113.4°V
Beam Lumens:	7880.8 lumens	Field Lumens:	12556.1 lumens
Beam Efficiency:	60.0%	Field Efficiency:	95.5%

Input Watts (W): 126  
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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CATALOG NUMBER: GFLD-SA4B-930-U-WR-XX

### Iso-Candela Plot





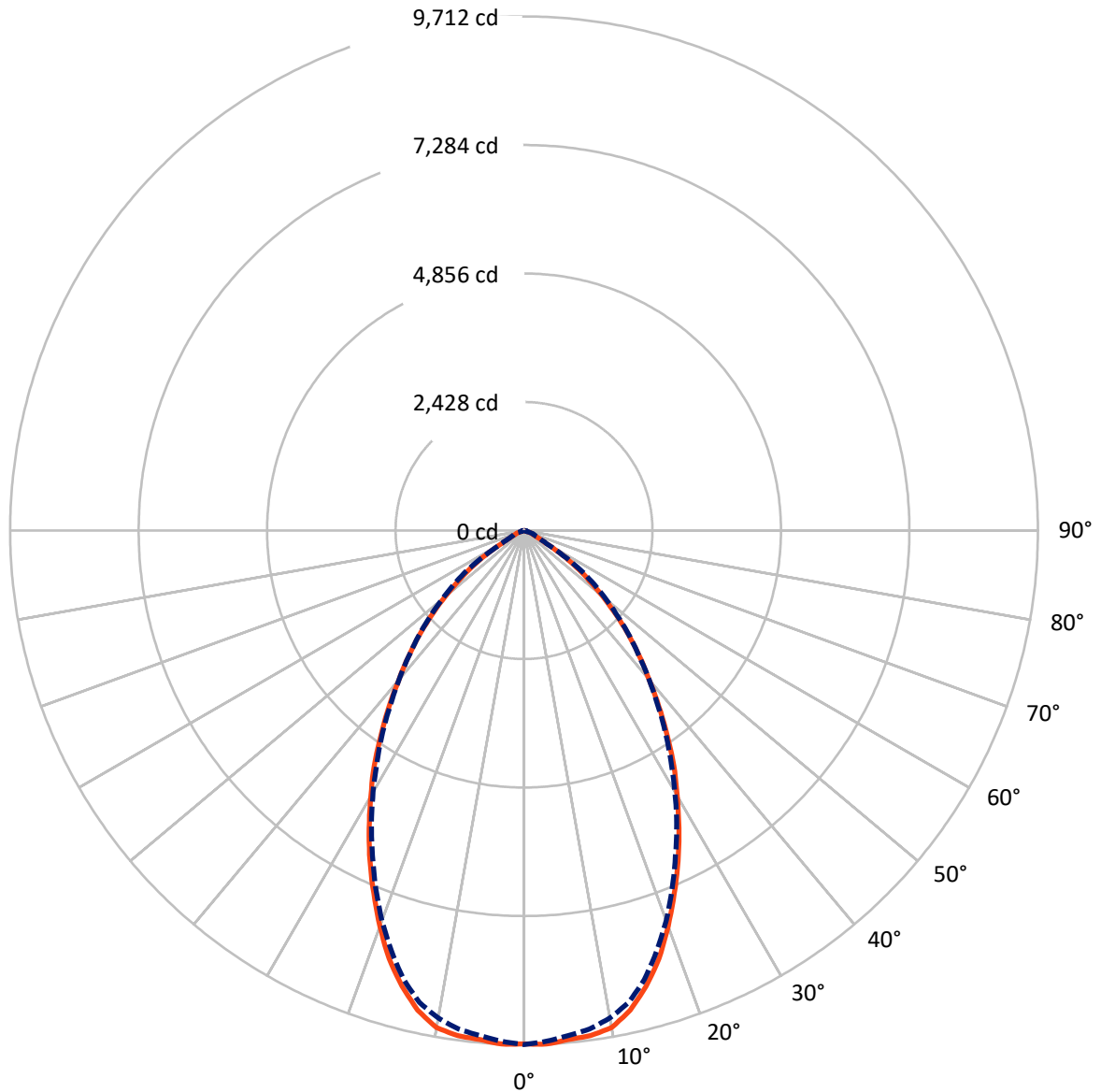
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### Lumen Table

90	0.1	1.3	3.2	5.5	3.9	5.5	3.2	1.3	0.1										
80	0.1	1.3	3.2	5.5	3.9	5.5	3.2	1.3	0.1										
70	0.6	0.9	1.8	2.8	4.1	5.3	6.5	7.3	7.3	6.5	5.3	4.1	2.8	1.8	0.9	0.6			
60		1.4	2.9	5.3	10.2	19.8	29.6	35.5	35.5	29.6	19.8	10.2	5.3	2.9	1.4				
50	1.0	1.9	4.3	12.6	33.1	55.1	73.3	83.6	83.6	73.3	55.1	33.1	12.6	4.3	1.9	1.0			
40		2.3	7.4	29.0	59.5	92.9	123.1	141.2	141.2	123.1	92.9	59.5	29.0	7.4	2.3				
30	1.1	2.8	13.5	43.9	84.4	132.1	176.5	204.5	204.5	176.5	132.1	84.4	43.9	13.5	2.8	1.1			
20		3.3	19.2	54.6	104.0	165.0	224.8	262.6	262.6	224.8	165.0	104.0	54.6	19.2	3.3				
10	1.2	3.6	22.4	60.4	115.1	184.4	252.5	288.6	288.6	252.5	184.4	115.1	60.4	22.4	3.6	1.2			
0		3.6	22.4	60.4	115.1	184.4	252.5	288.6	288.6	252.5	184.4	115.1	60.4	22.4	3.6				
-10	1.1	3.3	19.2	54.6	104.0	165.0	224.8	262.6	262.6	224.8	165.0	104.0	54.6	19.2	3.3	1.1			
-20		2.8	13.5	43.9	84.4	132.1	176.5	204.5	204.5	176.5	132.1	84.4	43.9	13.5	2.8				
-30	1.0	2.3	7.4	29.0	59.5	92.9	123.1	141.2	141.2	123.1	92.9	59.5	29.0	7.4	2.3	1.0			
-40		1.9	4.3	12.6	33.1	55.1	73.3	83.6	83.6	73.3	55.1	33.1	12.6	4.3	1.9				
-50	0.6	1.4	2.9	5.3	10.2	19.8	29.6	35.5	35.5	29.6	19.8	10.2	5.3	2.9	1.4	0.6			
-60		0.9	1.8	2.8	4.1	5.3	6.5	7.3	7.3	6.5	5.3	4.1	2.8	1.8	0.9				
-70	0.1	1.3	3.2	5.5	3.9	5.5	3.2	1.3	0.1										
-80		0.1	1.3	3.2	5.5	3.9	5.5	3.2	1.3	0.1									
-90	0.1	1.3	3.2	5.5	3.9	5.5	3.2	1.3	0.1										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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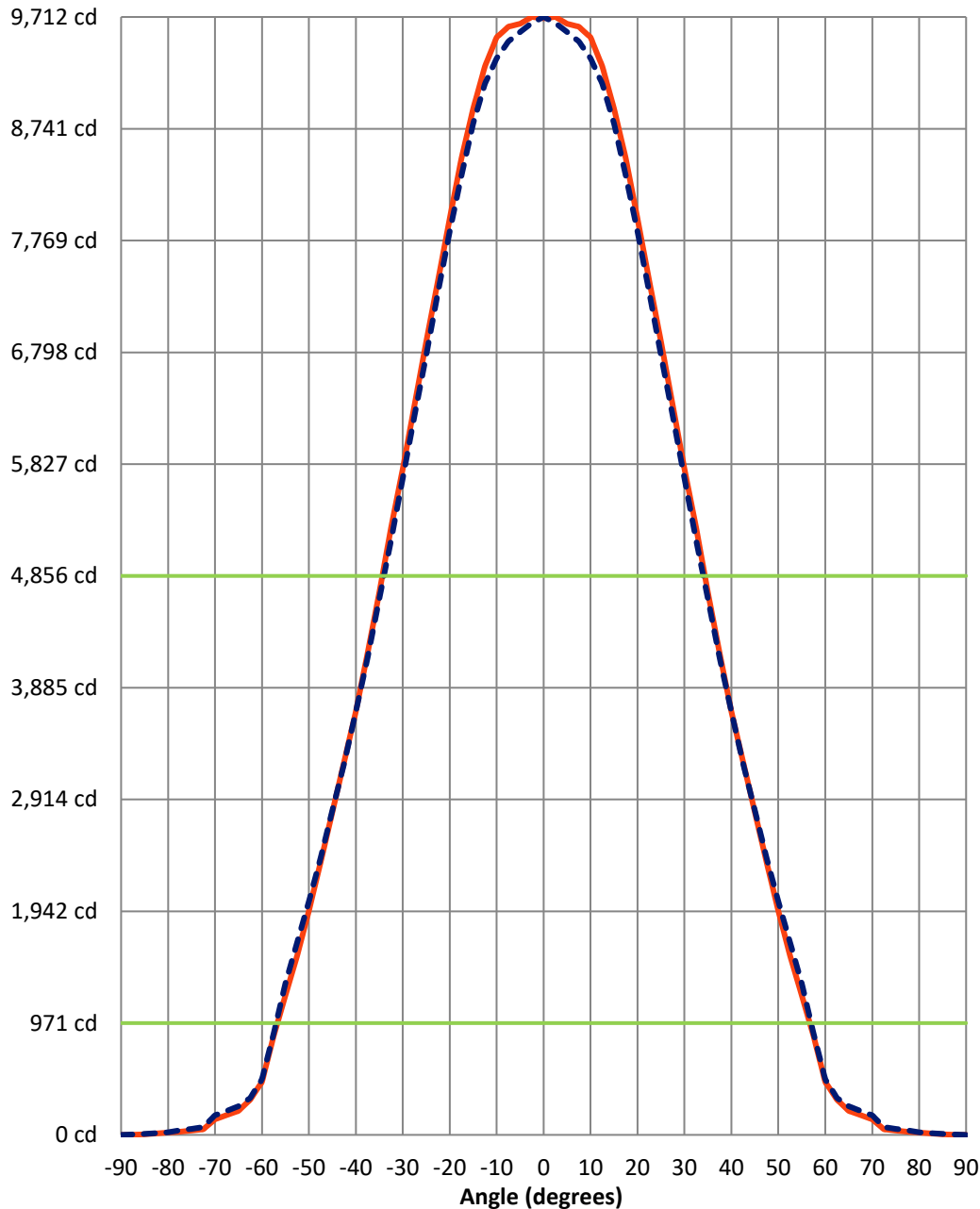
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 2.5-Deg

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### Luminous Intensity Plot



**Beam:**  
H Angle: 68°  
V Angle: 68.7°  
Lumens: 7880.8  
Efficiency: 60.0%

**Field:**  
H Angle: 114°  
V Angle: 113.4°  
Lumens: 12556.1  
Efficiency: 95.5%

**Spill:**  
Lumens: 588  
Efficiency: 4.5%

— Vertical Distribution through 0-Deg  
- - Horizontal Distribution through 2.5-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	0.2	0.3	0.5	0.6	0.8	1.0	1.1	1.3	1.4	1.6
85°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.2	2.5	2.8	3.1
82.5°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.3	4.0	5.5	7.0
80°	0.0	0.6	1.3	1.9	2.6	3.2	4.0	6.0	8.0	10.1	12.2
77.5°	0.0	0.8	1.6	2.4	3.2	4.4	6.9	9.4	12.0	14.6	18.3
75°	0.0	1.0	1.9	2.9	3.9	6.4	9.6	12.8	16.2	21.6	27.0
72.5°	0.0	1.1	2.2	3.3	5.3	8.3	12.2	16.8	23.2	29.5	35.7
70°	0.0	1.3	2.5	3.8	6.5	10.2	15.1	22.8	30.1	37.3	47.5
67.5°	0.0	1.4	2.8	4.6	7.7	11.9	19.7	28.8	36.9	47.6	59.6
65°	0.0	1.6	3.1	5.3	8.9	14.3	24.0	34.6	45.2	57.6	71.2
62.5°	0.0	1.7	3.4	6.0	10.0	17.1	28.0	40.9	53.2	67.3	82.3
60°	0.0	1.8	3.7	6.7	11.0	19.7	31.6	47.2	60.8	77.9	93.4
57.5°	0.0	2.0	4.1	7.3	12.5	22.0	35.3	52.9	70.1	88.4	102.7
55°	0.0	2.1	4.4	7.8	13.9	24.1	38.6	57.3	79.8	98.3	111.1
52.5°	0.0	2.3	4.8	8.3	15.1	26.0	41.4	63.8	89.4	106.1	119.5
50°	0.0	2.4	5.1	8.8	16.2	27.7	43.7	69.8	98.2	113.8	128.3
47.5°	0.0	2.5	5.5	9.2	17.1	29.1	45.9	75.1	105.1	121.4	136.7
45°	0.0	2.6	5.8	9.7	17.8	30.1	49.6	79.6	108.1	128.3	144.5
42.5°	0.0	2.7	6.1	10.1	18.3	30.8	52.7	82.1	110.0	134.8	153.1
40°	0.0	2.8	6.4	10.6	18.6	31.1	55.2	83.1	111.2	140.2	161.7
37.5°	0.0	2.9	6.6	11.1	18.8	31.1	57.1	83.3	112.4	142.6	169.9
35°	0.0	3.0	6.9	11.6	18.7	31.8	58.3	82.9	113.6	147.8	178.1
32.5°	0.0	3.1	7.1	12.0	18.4	32.7	58.6	81.8	114.7	154.4	186.3
30°	0.0	3.2	7.4	12.5	18.0	33.1	57.5	80.6	115.8	162.4	194.0
27.5°	0.0	3.3	7.6	12.9	18.4	33.1	55.9	80.8	118.7	171.5	201.2
25°	0.0	3.4	7.8	13.2	19.0	32.8	53.9	80.9	124.8	178.7	208.1
22.5°	0.0	3.4	7.9	13.6	19.5	32.8	51.5	80.7	131.3	184.2	216.9
20°	0.0	3.5	8.1	13.9	20.0	34.3	48.6	80.2	138.0	189.1	224.7
17.5°	0.0	3.5	8.2	14.1	20.5	35.7	48.1	79.5	144.8	193.6	231.5
15°	0.0	3.6	8.4	14.4	20.9	36.8	49.1	79.1	151.3	197.5	237.3
12.5°	0.0	3.6	8.5	14.5	21.3	37.8	49.9	78.6	157.1	200.9	242.2
10°	0.0	3.6	8.5	14.7	21.6	38.6	50.7	77.0	161.9	203.5	245.8
7.5°	0.0	3.7	8.6	14.8	21.9	39.2	51.3	74.6	165.8	205.6	247.9
5°	0.0	3.7	8.7	14.9	22.2	39.7	51.8	71.4	168.5	207.2	249.0
2.5°	0.0	3.7	8.7	15.0	22.4	39.9	52.2	67.7	169.9	208.2	249.1
0°	0.0	3.7	8.7	15.0	22.5	40.0	52.4	63.7	169.8	208.5	248.4
-2.5°	0.0	3.7	8.7	15.0	22.4	39.9	52.2	67.7	169.9	208.2	249.1
-5°	0.0	3.7	8.7	14.9	22.2	39.7	51.8	71.4	168.5	207.2	249.0
-7.5°	0.0	3.7	8.6	14.8	21.9	39.2	51.3	74.6	165.8	205.6	247.9
-10°	0.0	3.6	8.5	14.7	21.6	38.6	50.7	77.0	161.9	203.5	245.8
-12.5°	0.0	3.6	8.5	14.5	21.3	37.8	49.9	78.6	157.1	200.9	242.2
-15°	0.0	3.6	8.4	14.4	20.9	36.8	49.1	79.1	151.3	197.5	237.3
-17.5°	0.0	3.5	8.2	14.1	20.5	35.7	48.1	79.5	144.8	193.6	231.5
-20°	0.0	3.5	8.1	13.9	20.0	34.3	48.6	80.2	138.0	189.1	224.7



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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	3.4	7.9	13.6	19.5	32.8	51.5	80.7	131.3	184.2	216.9
-25°	0.0	3.4	7.8	13.2	19.0	32.8	53.9	80.9	124.8	178.7	208.1
-27.5°	0.0	3.3	7.6	12.9	18.4	33.1	55.9	80.8	118.7	171.5	201.2
-30°	0.0	3.2	7.4	12.5	18.0	33.1	57.5	80.6	115.8	162.4	194.0
-32.5°	0.0	3.1	7.1	12.0	18.4	32.7	58.6	81.8	114.7	154.4	186.3
-35°	0.0	3.0	6.9	11.6	18.7	31.8	58.3	82.9	113.6	147.8	178.1
-37.5°	0.0	2.9	6.6	11.1	18.8	31.1	57.1	83.3	112.4	142.6	169.9
-40°	0.0	2.8	6.4	10.6	18.6	31.1	55.2	83.1	111.2	140.2	161.7
-42.5°	0.0	2.7	6.1	10.1	18.3	30.8	52.7	82.1	110.0	134.8	153.1
-45°	0.0	2.6	5.8	9.7	17.8	30.1	49.6	79.6	108.1	128.3	144.5
-47.5°	0.0	2.5	5.5	9.2	17.1	29.1	45.9	75.1	105.1	121.4	136.7
-50°	0.0	2.4	5.1	8.8	16.2	27.7	43.7	69.8	98.2	113.8	128.3
-52.5°	0.0	2.3	4.8	8.3	15.1	26.0	41.4	63.8	89.4	106.1	119.5
-55°	0.0	2.1	4.4	7.8	13.9	24.1	38.6	57.3	79.8	98.3	111.1
-57.5°	0.0	2.0	4.1	7.3	12.5	22.0	35.3	52.9	70.1	88.4	102.7
-60°	0.0	1.8	3.7	6.7	11.0	19.7	31.6	47.2	60.8	77.9	93.4
-62.5°	0.0	1.7	3.4	6.0	10.0	17.1	28.0	40.9	53.2	67.3	82.3
-65°	0.0	1.6	3.1	5.3	8.9	14.3	24.0	34.6	45.2	57.6	71.2
-67.5°	0.0	1.4	2.8	4.6	7.7	11.9	19.7	28.8	36.9	47.6	59.6
-70°	0.0	1.3	2.5	3.8	6.5	10.2	15.1	22.8	30.1	37.3	47.5
-72.5°	0.0	1.1	2.2	3.3	5.3	8.3	12.2	16.8	23.2	29.5	35.7
-75°	0.0	1.0	1.9	2.9	3.9	6.4	9.6	12.8	16.2	21.6	27.0
-77.5°	0.0	0.8	1.6	2.4	3.2	4.4	6.9	9.4	12.0	14.6	18.3
-80°	0.0	0.6	1.3	1.9	2.6	3.2	4.0	6.0	8.0	10.1	12.2
-82.5°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.3	4.0	5.5	7.0
-85°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.2	2.5	2.8	3.1
-87.5°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.1	1.3	1.4	1.6
-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°	1.6	1.6	1.5	1.4	1.5	1.6	1.7	1.8	1.6	1.4	1.2
85°	3.1	3.1	3.5	3.8	4.2	4.5	4.6	4.6	5.1	5.8	6.6
82.5°	7.9	8.4	8.8	8.8	9.0	8.9	8.8	8.8	10.8	13.5	16.4
80°	13.3	13.8	15.9	18.2	19.4	19.4	18.4	16.4	19.4	24.2	30.1
77.5°	21.6	24.9	28.2	31.7	32.3	30.7	28.0	24.3	28.6	37.2	46.9
75°	31.5	35.9	40.8	44.5	44.5	41.8	38.3	37.6	44.9	55.3	63.9
72.5°	43.1	49.4	54.2	57.3	57.1	56.6	58.0	61.0	67.0	74.6	81.3
70°	57.0	63.4	66.9	68.5	69.2	72.6	77.8	81.7	85.9	93.4	100.4
67.5°	70.9	75.8	78.8	81.0	86.8	93.4	98.6	103.3	108.6	116.3	122.6
65°	83.2	88.2	92.6	99.0	107.5	113.8	120.0	126.4	135.5	144.1	149.3
62.5°	95.3	100.6	107.2	116.0	125.2	133.2	143.3	154.6	166.4	175.3	185.4
60°	104.6	112.2	121.5	132.0	143.0	156.1	168.9	182.2	194.4	206.2	221.0
57.5°	113.5	124.4	136.1	148.4	162.9	179.2	195.0	209.3	224.6	241.0	257.8
55°	123.2	137.4	150.5	165.1	182.9	203.6	221.1	238.1	256.3	284.1	308.3
52.5°	133.9	149.6	164.4	182.3	204.4	226.5	246.4	270.1	300.7	341.9	408.6
50°	144.0	160.9	178.1	201.3	225.1	248.4	277.2	310.3	371.5	448.2	582.6
47.5°	154.0	171.9	194.7	219.8	245.7	276.5	312.9	385.3	468.8	659.9	850.3
45°	164.0	185.2	210.4	238.8	269.8	308.4	384.1	473.4	700.4	920.2	1149.2
42.5°	173.7	198.5	227.3	257.6	298.1	367.9	465.5	701.4	947.1	1199.5	1419.3
40°	184.7	211.0	244.3	282.7	336.2	442.2	661.3	926.8	1203.8	1442.3	1656.1
37.5°	195.1	226.1	262.4	307.1	403.2	580.2	862.4	1156.9	1425.1	1658.2	1886.6
35°	204.5	240.9	284.0	351.1	468.9	760.5	1066.4	1366.0	1622.4	1871.2	2121.0
32.5°	215.7	255.1	304.8	409.4	619.5	934.6	1260.2	1545.6	1814.1	2079.4	2364.8
30°	228.1	272.7	333.8	465.0	768.8	1103.8	1426.3	1717.9	1996.2	2290.9	2596.6
27.5°	239.7	289.7	381.9	572.9	909.1	1261.8	1577.5	1877.5	2176.3	2490.1	2819.2
25°	250.3	305.9	426.9	691.1	1044.5	1396.6	1716.6	2021.9	2344.6	2685.6	3031.9
22.5°	261.7	321.7	467.5	798.8	1168.4	1516.5	1839.4	2163.1	2504.7	2866.1	3227.3
20°	274.0	355.3	534.4	898.2	1280.9	1625.6	1949.7	2294.4	2654.5	3028.8	3410.3
17.5°	285.2	385.1	614.2	992.5	1375.6	1720.3	2048.9	2413.2	2784.7	3176.0	3577.9
15°	295.3	410.8	684.5	1075.9	1455.9	1800.8	2145.6	2518.7	2900.4	3308.0	3725.5
12.5°	304.1	432.6	745.0	1148.0	1523.7	1869.7	2227.0	2607.7	3003.6	3423.5	3858.5
10°	311.7	450.4	795.3	1208.4	1578.8	1926.5	2292.3	2681.7	3085.7	3516.4	3965.7
7.5°	316.5	465.0	835.1	1256.5	1621.3	1971.0	2341.5	2740.1	3145.8	3589.0	4046.9
5°	319.6	476.9	863.8	1292.1	1652.3	2004.5	2377.0	2782.0	3184.4	3639.9	4101.4
2.5°	321.0	485.2	881.3	1314.9	1671.8	2028.0	2406.3	2818.8	3224.9	3676.2	4143.6
0°	320.9	489.4	887.7	1324.6	1679.2	2038.7	2420.8	2837.8	3251.0	3691.7	4172.4
-2.5°	321.0	485.2	881.3	1314.9	1671.8	2028.0	2406.3	2818.8	3224.9	3676.2	4143.6
-5°	319.6	476.9	863.8	1292.1	1652.3	2004.5	2377.0	2782.0	3184.4	3639.9	4101.4
-7.5°	316.5	465.0	835.1	1256.5	1621.3	1971.0	2341.5	2740.1	3145.8	3589.0	4046.9
-10°	311.7	450.4	795.3	1208.4	1578.8	1926.5	2292.3	2681.7	3085.7	3516.4	3965.7
-12.5°	304.1	432.6	745.0	1148.0	1523.7	1869.7	2227.0	2607.7	3003.6	3423.5	3858.5
-15°	295.3	410.8	684.5	1075.9	1455.9	1800.8	2145.6	2518.7	2900.4	3308.0	3725.5
-17.5°	285.2	385.1	614.2	992.5	1375.6	1720.3	2048.9	2413.2	2784.7	3176.0	3577.9
-20°	274.0	355.3	534.4	898.2	1280.9	1625.6	1949.7	2294.4	2654.5	3028.8	3410.3



REPORT NUMBER: P558891 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-930-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	261.7	321.7	467.5	798.8	1168.4	1516.5	1839.4	2163.1	2504.7	2866.1	3227.3
-25°	250.3	305.9	426.9	691.1	1044.5	1396.6	1716.6	2021.9	2344.6	2685.6	3031.9
-27.5°	239.7	289.7	381.9	572.9	909.1	1261.8	1577.5	1877.5	2176.3	2490.1	2819.2
-30°	228.1	272.7	333.8	465.0	768.8	1103.8	1426.3	1717.9	1996.2	2290.9	2596.6
-32.5°	215.7	255.1	304.8	409.4	619.5	934.6	1260.2	1545.6	1814.1	2079.4	2364.8
-35°	204.5	240.9	284.0	351.1	468.9	760.5	1066.4	1366.0	1622.4	1871.2	2121.0
-37.5°	195.1	226.1	262.4	307.1	403.2	580.2	862.4	1156.9	1425.1	1658.2	1886.6
-40°	184.7	211.0	244.3	282.7	336.2	442.2	661.3	926.8	1203.8	1442.3	1656.1
-42.5°	173.7	198.5	227.3	257.6	298.1	367.9	465.5	701.4	947.1	1199.5	1419.3
-45°	164.0	185.2	210.4	238.8	269.8	308.4	384.1	473.4	700.4	920.2	1149.2
-47.5°	154.0	171.9	194.7	219.8	245.7	276.5	312.9	385.3	468.8	659.9	850.3
-50°	144.0	160.9	178.1	201.3	225.1	248.4	277.2	310.3	371.5	448.2	582.6
-52.5°	133.9	149.6	164.4	182.3	204.4	226.5	246.4	270.1	300.7	341.9	408.6
-55°	123.2	137.4	150.5	165.1	182.9	203.6	221.1	238.1	256.3	284.1	308.3
-57.5°	113.5	124.4	136.1	148.4	162.9	179.2	195.0	209.3	224.6	241.0	257.8
-60°	104.6	112.2	121.5	132.0	143.0	156.1	168.9	182.2	194.4	206.2	221.0
-62.5°	95.3	100.6	107.2	116.0	125.2	133.2	143.3	154.6	166.4	175.3	185.4
-65°	83.2	88.2	92.6	99.0	107.5	113.8	120.0	126.4	135.5	144.1	149.3
-67.5°	70.9	75.8	78.8	81.0	86.8	93.4	98.6	103.3	108.6	116.3	122.6
-70°	57.0	63.4	66.9	68.5	69.2	72.6	77.8	81.7	85.9	93.4	100.4
-72.5°	43.1	49.4	54.2	57.3	57.1	56.6	58.0	61.0	67.0	74.6	81.3
-75°	31.5	35.9	40.8	44.5	44.5	41.8	38.3	37.6	44.9	55.3	63.9
-77.5°	21.6	24.9	28.2	31.7	32.3	30.7	28.0	24.3	28.6	37.2	46.9
-80°	13.3	13.8	15.9	18.2	19.4	19.4	18.4	16.4	19.4	24.2	30.1
-82.5°	7.9	8.4	8.8	8.8	9.0	8.9	8.8	8.8	10.8	13.5	16.4
-85°	3.1	3.1	3.5	3.8	4.2	4.5	4.6	4.6	5.1	5.8	6.6
-87.5°	1.6	1.6	1.5	1.4	1.5	1.6	1.7	1.8	1.6	1.4	1.2
-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: P558891 (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°
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°	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2
85°	7.6	7.5	7.2	6.8	6.3	6.5	6.7	6.9	7.1	6.6	6.1
82.5°	19.6	21.0	22.4	23.9	25.4	25.2	24.5	23.4	22.1	19.7	17.0
80°	36.7	40.1	42.4	44.3	45.7	44.3	42.2	39.7	36.9	32.8	28.3
77.5°	56.9	60.4	62.2	64.4	66.8	67.3	67.4	67.6	67.9	60.2	50.5
75°	70.8	75.3	79.1	82.4	85.3	86.8	87.8	88.7	89.5	79.4	66.1
72.5°	86.9	91.4	95.0	98.6	101.8	104.2	106.1	107.6	108.8	100.6	89.0
70°	105.9	110.4	114.5	118.2	121.8	125.1	128.1	130.9	133.4	133.8	134.4
67.5°	127.4	130.0	134.9	139.6	145.2	149.3	153.8	158.1	162.0	165.4	168.2
65°	153.8	163.3	172.8	177.5	177.9	183.8	193.2	198.3	199.9	201.0	204.0
62.5°	198.3	210.5	216.9	225.3	236.8	249.3	254.1	260.9	269.3	278.8	287.4
60°	233.7	244.0	259.5	275.2	289.1	301.8	332.6	359.9	383.4	403.6	423.0
57.5°	277.5	294.6	318.2	360.8	399.7	434.9	495.1	568.5	634.0	691.3	741.6
55°	347.4	397.2	441.9	542.4	649.8	742.7	829.7	922.7	998.4	1057.6	1112.4
52.5°	466.6	603.4	742.1	872.6	1000.8	1117.6	1222.4	1304.8	1369.2	1417.5	1463.3
50°	747.0	911.9	1080.9	1236.4	1362.4	1477.6	1586.6	1668.4	1736.9	1795.8	1847.9
47.5°	1052.8	1245.8	1405.4	1548.9	1684.7	1812.4	1931.7	2031.2	2115.5	2193.3	2258.0
45°	1357.0	1529.6	1693.3	1847.2	1994.9	2138.1	2266.4	2379.7	2491.2	2583.4	2656.3
42.5°	1614.2	1797.0	1971.1	2147.2	2312.4	2473.0	2628.0	2765.8	2884.2	2984.9	3066.0
40°	1861.1	2058.1	2264.9	2460.5	2656.7	2839.9	3011.7	3168.9	3303.8	3423.1	3524.0
37.5°	2112.3	2342.4	2569.6	2792.5	3008.7	3208.0	3405.1	3586.5	3744.6	3884.1	4001.3
35°	2377.5	2631.1	2878.4	3129.5	3365.5	3596.2	3814.0	4013.7	4188.8	4353.2	4494.5
32.5°	2643.2	2918.0	3196.4	3468.1	3729.6	3987.9	4226.8	4451.9	4658.9	4840.9	4991.8
30°	2901.9	3204.4	3502.3	3798.3	4096.8	4378.2	4642.9	4890.1	5114.7	5312.9	5484.3
27.5°	3150.1	3475.3	3794.8	4133.4	4457.7	4763.8	5051.4	5317.1	5567.9	5793.3	5987.8
25°	3379.8	3725.2	4097.6	4452.8	4799.8	5139.3	5454.3	5743.0	6029.7	6277.7	6488.9
22.5°	3596.8	3982.3	4374.4	4746.8	5129.7	5503.0	5855.7	6190.2	6496.4	6756.3	6981.5
20°	3803.1	4218.0	4622.0	5034.4	5449.0	5851.7	6240.0	6597.6	6921.1	7204.3	7458.3
17.5°	3998.0	4427.3	4856.6	5297.0	5744.7	6168.1	6579.6	6968.5	7321.7	7635.9	7922.3
15°	4166.6	4610.2	5069.9	5537.9	6006.2	6456.5	6893.1	7316.9	7714.2	8056.2	8345.0
12.5°	4309.9	4772.0	5258.3	5749.3	6243.0	6714.9	7177.8	7631.2	8053.5	8421.1	8717.7
10°	4428.7	4912.9	5420.8	5932.3	6438.6	6929.0	7410.4	7879.5	8333.1	8714.2	9018.7
7.5°	4527.7	5030.5	5550.2	6077.0	6588.0	7097.2	7599.2	8073.2	8520.1	8921.9	9234.9
5°	4601.7	5112.8	5643.5	6183.5	6702.3	7229.7	7746.6	8231.6	8674.1	9038.2	9293.7
2.5°	4656.8	5164.1	5704.1	6247.7	6773.4	7319.8	7847.8	8333.2	8786.1	9130.7	9352.0
0°	4694.2	5192.4	5759.2	6292.3	6826.6	7387.2	7909.0	8399.7	8854.1	9191.2	9419.7
-2.5°	4656.8	5164.1	5704.1	6247.7	6773.4	7319.8	7847.8	8333.2	8786.1	9130.7	9352.0
-5°	4601.7	5112.8	5643.5	6183.5	6702.3	7229.7	7746.6	8231.6	8674.1	9038.2	9293.7
-7.5°	4527.7	5030.5	5550.2	6077.0	6588.0	7097.2	7599.2	8073.2	8520.1	8921.9	9234.9
-10°	4428.7	4912.9	5420.8	5932.3	6438.6	6929.0	7410.4	7879.5	8333.1	8714.2	9018.7
-12.5°	4309.9	4772.0	5258.3	5749.3	6243.0	6714.9	7177.8	7631.2	8053.5	8421.1	8717.7
-15°	4166.6	4610.2	5069.9	5537.9	6006.2	6456.5	6893.1	7316.9	7714.2	8056.2	8345.0
-17.5°	3998.0	4427.3	4856.6	5297.0	5744.7	6168.1	6579.6	6968.5	7321.7	7635.9	7922.3
-20°	3803.1	4218.0	4622.0	5034.4	5449.0	5851.7	6240.0	6597.6	6921.1	7204.3	7458.3



REPORT NUMBER: P558891 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-930-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3596.8	3982.3	4374.4	4746.8	5129.7	5503.0	5855.7	6190.2	6496.4	6756.3	6981.5
-25°	3379.8	3725.2	4097.6	4452.8	4799.8	5139.3	5454.3	5743.0	6029.7	6277.7	6488.9
-27.5°	3150.1	3475.3	3794.8	4133.4	4457.7	4763.8	5051.4	5317.1	5567.9	5793.3	5987.8
-30°	2901.9	3204.4	3502.3	3798.3	4096.8	4378.2	4642.9	4890.1	5114.7	5312.9	5484.3
-32.5°	2643.2	2918.0	3196.4	3468.1	3729.6	3987.9	4226.8	4451.9	4658.9	4840.9	4991.8
-35°	2377.5	2631.1	2878.4	3129.5	3365.5	3596.2	3814.0	4013.7	4188.8	4353.2	4494.5
-37.5°	2112.3	2342.4	2569.6	2792.5	3008.7	3208.0	3405.1	3586.5	3744.6	3884.1	4001.3
-40°	1861.1	2058.1	2264.9	2460.5	2656.7	2839.9	3011.7	3168.9	3303.8	3423.1	3524.0
-42.5°	1614.2	1797.0	1971.1	2147.2	2312.4	2473.0	2628.0	2765.8	2884.2	2984.9	3066.0
-45°	1357.0	1529.6	1693.3	1847.2	1994.9	2138.1	2266.4	2379.7	2491.2	2583.4	2656.3
-47.5°	1052.8	1245.8	1405.4	1548.9	1684.7	1812.4	1931.7	2031.2	2115.5	2193.3	2258.0
-50°	747.0	911.9	1080.9	1236.4	1362.4	1477.6	1586.6	1668.4	1736.9	1795.8	1847.9
-52.5°	466.6	603.4	742.1	872.6	1000.8	1117.6	1222.4	1304.8	1369.2	1417.5	1463.3
-55°	347.4	397.2	441.9	542.4	649.8	742.7	829.7	922.7	998.4	1057.6	1112.4
-57.5°	277.5	294.6	318.2	360.8	399.7	434.9	495.1	568.5	634.0	691.3	741.6
-60°	233.7	244.0	259.5	275.2	289.1	301.8	332.6	359.9	383.4	403.6	423.0
-62.5°	198.3	210.5	216.9	225.3	236.8	249.3	254.1	260.9	269.3	278.8	287.4
-65°	153.8	163.3	172.8	177.5	177.9	183.8	193.2	198.3	199.9	201.0	204.0
-67.5°	127.4	130.0	134.9	139.6	145.2	149.3	153.8	158.1	162.0	165.4	168.2
-70°	105.9	110.4	114.5	118.2	121.8	125.1	128.1	130.9	133.4	133.8	134.4
-72.5°	86.9	91.4	95.0	98.6	101.8	104.2	106.1	107.6	108.8	100.6	89.0
-75°	70.8	75.3	79.1	82.4	85.3	86.8	87.8	88.7	89.5	79.4	66.1
-77.5°	56.9	60.4	62.2	64.4	66.8	67.3	67.4	67.6	67.9	60.2	50.5
-80°	36.7	40.1	42.4	44.3	45.7	44.3	42.2	39.7	36.9	32.8	28.3
-82.5°	19.6	21.0	22.4	23.9	25.4	25.2	24.5	23.4	22.1	19.7	17.0
-85°	7.6	7.5	7.2	6.8	6.3	6.5	6.7	6.9	7.1	6.6	6.1
-87.5°	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2
-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: P558891 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-930-U-WR-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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1
85°	5.6	5.0	5.0	5.0	5.0	5.0	5.6	6.1	6.6	7.1	6.9
82.5°	14.2	11.2	11.8	12.5	11.8	11.2	14.2	17.0	19.7	22.1	23.4
80°	23.6	18.7	19.3	20.0	19.3	18.7	23.6	28.3	32.8	36.9	39.7
77.5°	40.0	29.0	28.1	27.5	28.1	29.0	40.0	50.5	60.2	67.9	67.6
75°	52.4	38.3	37.4	37.5	37.4	38.3	52.4	66.1	79.4	89.5	88.7
72.5°	77.3	65.3	57.1	48.7	57.1	65.3	77.3	89.0	100.6	108.8	107.6
70°	135.9	137.5	136.8	134.8	136.8	137.5	135.9	134.4	133.8	133.4	130.9
67.5°	170.5	172.2	172.6	172.3	172.6	172.2	170.5	168.2	165.4	162.0	158.1
65°	206.0	207.2	208.1	208.5	208.1	207.2	206.0	204.0	201.0	199.9	198.3
62.5°	293.8	298.1	302.7	305.9	302.7	298.1	293.8	287.4	278.8	269.3	260.9
60°	439.9	453.9	460.1	460.7	460.1	453.9	439.9	423.0	403.6	383.4	359.9
57.5°	781.9	812.0	838.8	858.9	838.8	812.0	781.9	741.6	691.3	634.0	568.5
55°	1156.1	1188.1	1206.2	1211.0	1206.2	1188.1	1156.1	1112.4	1057.6	998.4	922.7
52.5°	1497.9	1519.3	1539.4	1556.8	1539.4	1519.3	1497.9	1463.3	1417.5	1369.2	1304.8
50°	1887.3	1911.0	1931.0	1946.4	1931.0	1911.0	1887.3	1847.9	1795.8	1736.9	1668.4
47.5°	2303.4	2332.5	2353.9	2368.3	2353.9	2332.5	2303.4	2258.0	2193.3	2115.5	2031.2
45°	2718.7	2768.5	2798.8	2804.1	2798.8	2768.5	2718.7	2656.3	2583.4	2491.2	2379.7
42.5°	3136.1	3183.8	3216.0	3239.8	3216.0	3183.8	3136.1	3066.0	2984.9	2884.2	2765.8
40°	3608.1	3668.1	3695.5	3678.0	3695.5	3668.1	3608.1	3524.0	3423.1	3303.8	3168.9
37.5°	4091.7	4153.3	4185.0	4183.6	4185.0	4153.3	4091.7	4001.3	3884.1	3744.6	3586.5
35°	4604.4	4680.8	4722.1	4711.7	4722.1	4680.8	4604.4	4494.5	4353.2	4188.8	4013.7
32.5°	5112.3	5204.6	5264.3	5273.5	5264.3	5204.6	5112.3	4991.8	4840.9	4658.9	4451.9
30°	5621.8	5721.6	5780.9	5786.6	5780.9	5721.6	5621.8	5484.3	5312.9	5114.7	4890.1
27.5°	6151.1	6262.8	6324.9	6339.7	6324.9	6262.8	6151.1	5987.8	5793.3	5567.9	5317.1
25°	6669.0	6793.0	6864.2	6891.5	6864.2	6793.0	6669.0	6488.9	6277.7	6029.7	5743.0
22.5°	7168.5	7304.4	7397.3	7420.9	7397.3	7304.4	7168.5	6981.5	6756.3	6496.4	6190.2
20°	7669.4	7829.8	7948.5	7960.2	7948.5	7829.8	7669.4	7458.3	7204.3	6921.1	6597.6
17.5°	8151.7	8325.2	8452.3	8483.3	8452.3	8325.2	8151.7	7922.3	7635.9	7321.7	6968.5
15°	8583.5	8765.6	8888.3	8915.3	8888.3	8765.6	8583.5	8345.0	8056.2	7714.2	7316.9
12.5°	8956.1	9124.0	9238.5	9282.3	9238.5	9124.0	8956.1	8717.7	8421.1	8053.5	7631.2
10°	9256.3	9386.0	9488.4	9534.5	9488.4	9386.0	9256.3	9018.7	8714.2	8333.1	7879.5
7.5°	9423.8	9530.5	9601.4	9626.9	9601.4	9530.5	9423.8	9234.9	8921.9	8520.1	8073.2
5°	9490.0	9592.4	9630.7	9653.1	9630.7	9592.4	9490.0	9293.7	9038.2	8674.1	8231.6
2.5°	9499.1	9581.0	9659.9	9711.8	9659.9	9581.0	9499.1	9352.0	9130.7	8786.1	8333.2
0°	9552.0	9631.9	9675.6	9700.6	9675.6	9631.9	9552.0	9419.7	9191.2	8854.1	8399.7
-2.5°	9499.1	9581.0	9659.9	9711.8	9659.9	9581.0	9499.1	9352.0	9130.7	8786.1	8333.2
-5°	9490.0	9592.4	9630.7	9653.1	9630.7	9592.4	9490.0	9293.7	9038.2	8674.1	8231.6
-7.5°	9423.8	9530.5	9601.4	9626.9	9601.4	9530.5	9423.8	9234.9	8921.9	8520.1	8073.2
-10°	9256.3	9386.0	9488.4	9534.5	9488.4	9386.0	9256.3	9018.7	8714.2	8333.1	7879.5
-12.5°	8956.1	9124.0	9238.5	9282.3	9238.5	9124.0	8956.1	8717.7	8421.1	8053.5	7631.2
-15°	8583.5	8765.6	8888.3	8915.3	8888.3	8765.6	8583.5	8345.0	8056.2	7714.2	7316.9
-17.5°	8151.7	8325.2	8452.3	8483.3	8452.3	8325.2	8151.7	7922.3	7635.9	7321.7	6968.5
-20°	7669.4	7829.8	7948.5	7960.2	7948.5	7829.8	7669.4	7458.3	7204.3	6921.1	6597.6



REPORT NUMBER: P558891 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7168.5	7304.4	7397.3	7420.9	7397.3	7304.4	7168.5	6981.5	6756.3	6496.4	6190.2
-25°	6669.0	6793.0	6864.2	6891.5	6864.2	6793.0	6669.0	6488.9	6277.7	6029.7	5743.0
-27.5°	6151.1	6262.8	6324.9	6339.7	6324.9	6262.8	6151.1	5987.8	5793.3	5567.9	5317.1
-30°	5621.8	5721.6	5780.9	5786.6	5780.9	5721.6	5621.8	5484.3	5312.9	5114.7	4890.1
-32.5°	5112.3	5204.6	5264.3	5273.5	5264.3	5204.6	5112.3	4991.8	4840.9	4658.9	4451.9
-35°	4604.4	4680.8	4722.1	4711.7	4722.1	4680.8	4604.4	4494.5	4353.2	4188.8	4013.7
-37.5°	4091.7	4153.3	4185.0	4183.6	4185.0	4153.3	4091.7	4001.3	3884.1	3744.6	3586.5
-40°	3608.1	3668.1	3695.5	3678.0	3695.5	3668.1	3608.1	3524.0	3423.1	3303.8	3168.9
-42.5°	3136.1	3183.8	3216.0	3239.8	3216.0	3183.8	3136.1	3066.0	2984.9	2884.2	2765.8
-45°	2718.7	2768.5	2798.8	2804.1	2798.8	2768.5	2718.7	2656.3	2583.4	2491.2	2379.7
-47.5°	2303.4	2332.5	2353.9	2368.3	2353.9	2332.5	2303.4	2258.0	2193.3	2115.5	2031.2
-50°	1887.3	1911.0	1931.0	1946.4	1931.0	1911.0	1887.3	1847.9	1795.8	1736.9	1668.4
-52.5°	1497.9	1519.3	1539.4	1556.8	1539.4	1519.3	1497.9	1463.3	1417.5	1369.2	1304.8
-55°	1156.1	1188.1	1206.2	1211.0	1206.2	1188.1	1156.1	1112.4	1057.6	998.4	922.7
-57.5°	781.9	812.0	838.8	858.9	838.8	812.0	781.9	741.6	691.3	634.0	568.5
-60°	439.9	453.9	460.1	460.7	460.1	453.9	439.9	423.0	403.6	383.4	359.9
-62.5°	293.8	298.1	302.7	305.9	302.7	298.1	293.8	287.4	278.8	269.3	260.9
-65°	206.0	207.2	208.1	208.5	208.1	207.2	206.0	204.0	201.0	199.9	198.3
-67.5°	170.5	172.2	172.6	172.3	172.6	172.2	170.5	168.2	165.4	162.0	158.1
-70°	135.9	137.5	136.8	134.8	136.8	137.5	135.9	134.4	133.8	133.4	130.9
-72.5°	77.3	65.3	57.1	48.7	57.1	65.3	77.3	89.0	100.6	108.8	107.6
-75°	52.4	38.3	37.4	37.5	37.4	38.3	52.4	66.1	79.4	89.5	88.7
-77.5°	40.0	29.0	28.1	27.5	28.1	29.0	40.0	50.5	60.2	67.9	67.6
-80°	23.6	18.7	19.3	20.0	19.3	18.7	23.6	28.3	32.8	36.9	39.7
-82.5°	14.2	11.2	11.8	12.5	11.8	11.2	14.2	17.0	19.7	22.1	23.4
-85°	5.6	5.0	5.0	5.0	5.0	5.0	5.6	6.1	6.6	7.1	6.9
-87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1
-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):**

	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°	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.2	1.4	1.6	1.8
85°	6.7	6.5	6.3	6.8	7.2	7.5	7.6	6.6	5.8	5.1	4.6
82.5°	24.5	25.2	25.4	23.9	22.4	21.0	19.6	16.4	13.5	10.8	8.8
80°	42.2	44.3	45.7	44.3	42.4	40.1	36.7	30.1	24.2	19.4	16.4
77.5°	67.4	67.3	66.8	64.4	62.2	60.4	56.9	46.9	37.2	28.6	24.3
75°	87.8	86.8	85.3	82.4	79.1	75.3	70.8	63.9	55.3	44.9	37.6
72.5°	106.1	104.2	101.8	98.6	95.0	91.4	86.9	81.3	74.6	67.0	61.0
70°	128.1	125.1	121.8	118.2	114.5	110.4	105.9	100.4	93.4	85.9	81.7
67.5°	153.8	149.3	145.2	139.6	134.9	130.0	127.4	122.6	116.3	108.6	103.3
65°	193.2	183.8	177.9	177.5	172.8	163.3	153.8	149.3	144.1	135.5	126.4
62.5°	254.1	249.3	236.8	225.3	216.9	210.5	198.3	185.4	175.3	166.4	154.6
60°	332.6	301.8	289.1	275.2	259.5	244.0	233.7	221.0	206.2	194.4	182.2
57.5°	495.1	434.9	399.7	360.8	318.2	294.6	277.5	257.8	241.0	224.6	209.3
55°	829.7	742.7	649.8	542.4	441.9	397.2	347.4	308.3	284.1	256.3	238.1
52.5°	1222.4	1117.6	1000.8	872.6	742.1	603.4	466.6	408.6	341.9	300.7	270.1
50°	1586.6	1477.6	1362.4	1236.4	1080.9	911.9	747.0	582.6	448.2	371.5	310.3
47.5°	1931.7	1812.4	1684.7	1548.9	1405.4	1245.8	1052.8	850.3	659.9	468.8	385.3
45°	2266.4	2138.1	1994.9	1847.2	1693.3	1529.6	1357.0	1149.2	920.2	700.4	473.4
42.5°	2628.0	2473.0	2312.4	2147.2	1971.1	1797.0	1614.2	1419.3	1199.5	947.1	701.4
40°	3011.7	2839.9	2656.7	2460.5	2264.9	2058.1	1861.1	1656.1	1442.3	1203.8	926.8
37.5°	3405.1	3208.0	3008.7	2792.5	2569.6	2342.4	2112.3	1886.6	1658.2	1425.1	1156.9
35°	3814.0	3596.2	3365.5	3129.5	2878.4	2631.1	2377.5	2121.0	1871.2	1622.4	1366.0
32.5°	4226.8	3987.9	3729.6	3468.1	3196.4	2918.0	2643.2	2364.8	2079.4	1814.1	1545.6
30°	4642.9	4378.2	4096.8	3798.3	3502.3	3204.4	2901.9	2596.6	2290.9	1996.2	1717.9
27.5°	5051.4	4763.8	4457.7	4133.4	3794.8	3475.3	3150.1	2819.2	2490.1	2176.3	1877.5
25°	5454.3	5139.3	4799.8	4452.8	4097.6	3725.2	3379.8	3031.9	2685.6	2344.6	2021.9
22.5°	5855.7	5503.0	5129.7	4746.8	4374.4	3982.3	3596.8	3227.3	2866.1	2504.7	2163.1
20°	6240.0	5851.7	5449.0	5034.4	4622.0	4218.0	3803.1	3410.3	3028.8	2654.5	2294.4
17.5°	6579.6	6168.1	5744.7	5297.0	4856.6	4427.3	3998.0	3577.9	3176.0	2784.7	2413.2
15°	6893.1	6456.5	6006.2	5537.9	5069.9	4610.2	4166.6	3725.5	3308.0	2900.4	2518.7
12.5°	7177.8	6714.9	6243.0	5749.3	5258.3	4772.0	4309.9	3858.5	3423.5	3003.6	2607.7
10°	7410.4	6929.0	6438.6	5932.3	5420.8	4912.9	4428.7	3965.7	3516.4	3085.7	2681.7
7.5°	7599.2	7097.2	6588.0	6077.0	5550.2	5030.5	4527.7	4046.9	3589.0	3145.8	2740.1
5°	7746.6	7229.7	6702.3	6183.5	5643.5	5112.8	4601.7	4101.4	3639.9	3184.4	2782.0
2.5°	7847.8	7319.8	6773.4	6247.7	5704.1	5164.1	4656.8	4143.6	3676.2	3224.9	2818.8
0°	7909.0	7387.2	6826.6	6292.3	5759.2	5192.4	4694.2	4172.4	3691.7	3251.0	2837.8
-2.5°	7847.8	7319.8	6773.4	6247.7	5704.1	5164.1	4656.8	4143.6	3676.2	3224.9	2818.8
-5°	7746.6	7229.7	6702.3	6183.5	5643.5	5112.8	4601.7	4101.4	3639.9	3184.4	2782.0
-7.5°	7599.2	7097.2	6588.0	6077.0	5550.2	5030.5	4527.7	4046.9	3589.0	3145.8	2740.1
-10°	7410.4	6929.0	6438.6	5932.3	5420.8	4912.9	4428.7	3965.7	3516.4	3085.7	2681.7
-12.5°	7177.8	6714.9	6243.0	5749.3	5258.3	4772.0	4309.9	3858.5	3423.5	3003.6	2607.7
-15°	6893.1	6456.5	6006.2	5537.9	5069.9	4610.2	4166.6	3725.5	3308.0	2900.4	2518.7
-17.5°	6579.6	6168.1	5744.7	5297.0	4856.6	4427.3	3998.0	3577.9	3176.0	2784.7	2413.2
-20°	6240.0	5851.7	5449.0	5034.4	4622.0	4218.0	3803.1	3410.3	3028.8	2654.5	2294.4



REPORT NUMBER: P558891 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-930-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5855.7	5503.0	5129.7	4746.8	4374.4	3982.3	3596.8	3227.3	2866.1	2504.7	2163.1
-25°	5454.3	5139.3	4799.8	4452.8	4097.6	3725.2	3379.8	3031.9	2685.6	2344.6	2021.9
-27.5°	5051.4	4763.8	4457.7	4133.4	3794.8	3475.3	3150.1	2819.2	2490.1	2176.3	1877.5
-30°	4642.9	4378.2	4096.8	3798.3	3502.3	3204.4	2901.9	2596.6	2290.9	1996.2	1717.9
-32.5°	4226.8	3987.9	3729.6	3468.1	3196.4	2918.0	2643.2	2364.8	2079.4	1814.1	1545.6
-35°	3814.0	3596.2	3365.5	3129.5	2878.4	2631.1	2377.5	2121.0	1871.2	1622.4	1366.0
-37.5°	3405.1	3208.0	3008.7	2792.5	2569.6	2342.4	2112.3	1886.6	1658.2	1425.1	1156.9
-40°	3011.7	2839.9	2656.7	2460.5	2264.9	2058.1	1861.1	1656.1	1442.3	1203.8	926.8
-42.5°	2628.0	2473.0	2312.4	2147.2	1971.1	1797.0	1614.2	1419.3	1199.5	947.1	701.4
-45°	2266.4	2138.1	1994.9	1847.2	1693.3	1529.6	1357.0	1149.2	920.2	700.4	473.4
-47.5°	1931.7	1812.4	1684.7	1548.9	1405.4	1245.8	1052.8	850.3	659.9	468.8	385.3
-50°	1586.6	1477.6	1362.4	1236.4	1080.9	911.9	747.0	582.6	448.2	371.5	310.3
-52.5°	1222.4	1117.6	1000.8	872.6	742.1	603.4	466.6	408.6	341.9	300.7	270.1
-55°	829.7	742.7	649.8	542.4	441.9	397.2	347.4	308.3	284.1	256.3	238.1
-57.5°	495.1	434.9	399.7	360.8	318.2	294.6	277.5	257.8	241.0	224.6	209.3
-60°	332.6	301.8	289.1	275.2	259.5	244.0	233.7	221.0	206.2	194.4	182.2
-62.5°	254.1	249.3	236.8	225.3	216.9	210.5	198.3	185.4	175.3	166.4	154.6
-65°	193.2	183.8	177.9	177.5	172.8	163.3	153.8	149.3	144.1	135.5	126.4
-67.5°	153.8	149.3	145.2	139.6	134.9	130.0	127.4	122.6	116.3	108.6	103.3
-70°	128.1	125.1	121.8	118.2	114.5	110.4	105.9	100.4	93.4	85.9	81.7
-72.5°	106.1	104.2	101.8	98.6	95.0	91.4	86.9	81.3	74.6	67.0	61.0
-75°	87.8	86.8	85.3	82.4	79.1	75.3	70.8	63.9	55.3	44.9	37.6
-77.5°	67.4	67.3	66.8	64.4	62.2	60.4	56.9	46.9	37.2	28.6	24.3
-80°	42.2	44.3	45.7	44.3	42.4	40.1	36.7	30.1	24.2	19.4	16.4
-82.5°	24.5	25.2	25.4	23.9	22.4	21.0	19.6	16.4	13.5	10.8	8.8
-85°	6.7	6.5	6.3	6.8	7.2	7.5	7.6	6.6	5.8	5.1	4.6
-87.5°	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.2	1.4	1.6	1.8
-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: P558891 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-930-U-WR-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°	1.7	1.6	1.5	1.4	1.5	1.6	1.6	1.6	1.4	1.3	1.1
85°	4.6	4.5	4.2	3.8	3.5	3.1	3.1	3.1	2.8	2.5	2.2
82.5°	8.8	8.9	9.0	8.8	8.8	8.4	7.9	7.0	5.5	4.0	3.3
80°	18.4	19.4	19.4	18.2	15.9	13.8	13.3	12.2	10.1	8.0	6.0
77.5°	28.0	30.7	32.3	31.7	28.2	24.9	21.6	18.3	14.6	12.0	9.4
75°	38.3	41.8	44.5	44.5	40.8	35.9	31.5	27.0	21.6	16.2	12.8
72.5°	58.0	56.6	57.1	57.3	54.2	49.4	43.1	35.7	29.5	23.2	16.8
70°	77.8	72.6	69.2	68.5	66.9	63.4	57.0	47.5	37.3	30.1	22.8
67.5°	98.6	93.4	86.8	81.0	78.8	75.8	70.9	59.6	47.6	36.9	28.8
65°	120.0	113.8	107.5	99.0	92.6	88.2	83.2	71.2	57.6	45.2	34.6
62.5°	143.3	133.2	125.2	116.0	107.2	100.6	95.3	82.3	67.3	53.2	40.9
60°	168.9	156.1	143.0	132.0	121.5	112.2	104.6	93.4	77.9	60.8	47.2
57.5°	195.0	179.2	162.9	148.4	136.1	124.4	113.5	102.7	88.4	70.1	52.9
55°	221.1	203.6	182.9	165.1	150.5	137.4	123.2	111.1	98.3	79.8	57.3
52.5°	246.4	226.5	204.4	182.3	164.4	149.6	133.9	119.5	106.1	89.4	63.8
50°	277.2	248.4	225.1	201.3	178.1	160.9	144.0	128.3	113.8	98.2	69.8
47.5°	312.9	276.5	245.7	219.8	194.7	171.9	154.0	136.7	121.4	105.1	75.1
45°	384.1	308.4	269.8	238.8	210.4	185.2	164.0	144.5	128.3	108.1	79.6
42.5°	465.5	367.9	298.1	257.6	227.3	198.5	173.7	153.1	134.8	110.0	82.1
40°	661.3	442.2	336.2	282.7	244.3	211.0	184.7	161.7	140.2	111.2	83.1
37.5°	862.4	580.2	403.2	307.1	262.4	226.1	195.1	169.9	142.6	112.4	83.3
35°	1066.4	760.5	468.9	351.1	284.0	240.9	204.5	178.1	147.8	113.6	82.9
32.5°	1260.2	934.6	619.5	409.4	304.8	255.1	215.7	186.3	154.4	114.7	81.8
30°	1426.3	1103.8	768.8	465.0	333.8	272.7	228.1	194.0	162.4	115.8	80.6
27.5°	1577.5	1261.8	909.1	572.9	381.9	289.7	239.7	201.2	171.5	118.7	80.8
25°	1716.6	1396.6	1044.5	691.1	426.9	305.9	250.3	208.1	178.7	124.8	80.9
22.5°	1839.4	1516.5	1168.4	798.8	467.5	321.7	261.7	216.9	184.2	131.3	80.7
20°	1949.7	1625.6	1280.9	898.2	534.4	355.3	274.0	224.7	189.1	138.0	80.2
17.5°	2048.9	1720.3	1375.6	992.5	614.2	385.1	285.2	231.5	193.6	144.8	79.5
15°	2145.6	1800.8	1455.9	1075.9	684.5	410.8	295.3	237.3	197.5	151.3	79.1
12.5°	2227.0	1869.7	1523.7	1148.0	745.0	432.6	304.1	242.2	200.9	157.1	78.6
10°	2292.3	1926.5	1578.8	1208.4	795.3	450.4	311.7	245.8	203.5	161.9	77.0
7.5°	2341.5	1971.0	1621.3	1256.5	835.1	465.0	316.5	247.9	205.6	165.8	74.6
5°	2377.0	2004.5	1652.3	1292.1	863.8	476.9	319.6	249.0	207.2	168.5	71.4
2.5°	2406.3	2028.0	1671.8	1314.9	881.3	485.2	321.0	249.1	208.2	169.9	67.7
0°	2420.8	2038.7	1679.2	1324.6	887.7	489.4	320.9	248.4	208.5	169.8	63.7
-2.5°	2406.3	2028.0	1671.8	1314.9	881.3	485.2	321.0	249.1	208.2	169.9	67.7
-5°	2377.0	2004.5	1652.3	1292.1	863.8	476.9	319.6	249.0	207.2	168.5	71.4
-7.5°	2341.5	1971.0	1621.3	1256.5	835.1	465.0	316.5	247.9	205.6	165.8	74.6
-10°	2292.3	1926.5	1578.8	1208.4	795.3	450.4	311.7	245.8	203.5	161.9	77.0
-12.5°	2227.0	1869.7	1523.7	1148.0	745.0	432.6	304.1	242.2	200.9	157.1	78.6
-15°	2145.6	1800.8	1455.9	1075.9	684.5	410.8	295.3	237.3	197.5	151.3	79.1
-17.5°	2048.9	1720.3	1375.6	992.5	614.2	385.1	285.2	231.5	193.6	144.8	79.5
-20°	1949.7	1625.6	1280.9	898.2	534.4	355.3	274.0	224.7	189.1	138.0	80.2



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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°	1839.4	1516.5	1168.4	798.8	467.5	321.7	261.7	216.9	184.2	131.3	80.7
-25°	1716.6	1396.6	1044.5	691.1	426.9	305.9	250.3	208.1	178.7	124.8	80.9
-27.5°	1577.5	1261.8	909.1	572.9	381.9	289.7	239.7	201.2	171.5	118.7	80.8
-30°	1426.3	1103.8	768.8	465.0	333.8	272.7	228.1	194.0	162.4	115.8	80.6
-32.5°	1260.2	934.6	619.5	409.4	304.8	255.1	215.7	186.3	154.4	114.7	81.8
-35°	1066.4	760.5	468.9	351.1	284.0	240.9	204.5	178.1	147.8	113.6	82.9
-37.5°	862.4	580.2	403.2	307.1	262.4	226.1	195.1	169.9	142.6	112.4	83.3
-40°	661.3	442.2	336.2	282.7	244.3	211.0	184.7	161.7	140.2	111.2	83.1
-42.5°	465.5	367.9	298.1	257.6	227.3	198.5	173.7	153.1	134.8	110.0	82.1
-45°	384.1	308.4	269.8	238.8	210.4	185.2	164.0	144.5	128.3	108.1	79.6
-47.5°	312.9	276.5	245.7	219.8	194.7	171.9	154.0	136.7	121.4	105.1	75.1
-50°	277.2	248.4	225.1	201.3	178.1	160.9	144.0	128.3	113.8	98.2	69.8
-52.5°	246.4	226.5	204.4	182.3	164.4	149.6	133.9	119.5	106.1	89.4	63.8
-55°	221.1	203.6	182.9	165.1	150.5	137.4	123.2	111.1	98.3	79.8	57.3
-57.5°	195.0	179.2	162.9	148.4	136.1	124.4	113.5	102.7	88.4	70.1	52.9
-60°	168.9	156.1	143.0	132.0	121.5	112.2	104.6	93.4	77.9	60.8	47.2
-62.5°	143.3	133.2	125.2	116.0	107.2	100.6	95.3	82.3	67.3	53.2	40.9
-65°	120.0	113.8	107.5	99.0	92.6	88.2	83.2	71.2	57.6	45.2	34.6
-67.5°	98.6	93.4	86.8	81.0	78.8	75.8	70.9	59.6	47.6	36.9	28.8
-70°	77.8	72.6	69.2	68.5	66.9	63.4	57.0	47.5	37.3	30.1	22.8
-72.5°	58.0	56.6	57.1	57.3	54.2	49.4	43.1	35.7	29.5	23.2	16.8
-75°	38.3	41.8	44.5	44.5	40.8	35.9	31.5	27.0	21.6	16.2	12.8
-77.5°	28.0	30.7	32.3	31.7	28.2	24.9	21.6	18.3	14.6	12.0	9.4
-80°	18.4	19.4	19.4	18.2	15.9	13.8	13.3	12.2	10.1	8.0	6.0
-82.5°	8.8	8.9	9.0	8.8	8.8	8.4	7.9	7.0	5.5	4.0	3.3
-85°	4.6	4.5	4.2	3.8	3.5	3.1	3.1	3.1	2.8	2.5	2.2
-87.5°	1.7	1.6	1.5	1.4	1.5	1.6	1.6	1.6	1.4	1.3	1.1
-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°	1.0	0.8	0.6	0.5	0.3	0.2	0.0
85°	1.9	1.6	1.3	1.0	0.6	0.3	0.0
82.5°	2.9	2.4	1.9	1.4	1.0	0.5	0.0
80°	4.0	3.2	2.6	1.9	1.3	0.6	0.0
77.5°	6.9	4.4	3.2	2.4	1.6	0.8	0.0
75°	9.6	6.4	3.9	2.9	1.9	1.0	0.0
72.5°	12.2	8.3	5.3	3.3	2.2	1.1	0.0
70°	15.1	10.2	6.5	3.8	2.5	1.3	0.0
67.5°	19.7	11.9	7.7	4.6	2.8	1.4	0.0
65°	24.0	14.3	8.9	5.3	3.1	1.6	0.0
62.5°	28.0	17.1	10.0	6.0	3.4	1.7	0.0
60°	31.6	19.7	11.0	6.7	3.7	1.8	0.0
57.5°	35.3	22.0	12.5	7.3	4.1	2.0	0.0
55°	38.6	24.1	13.9	7.8	4.4	2.1	0.0
52.5°	41.4	26.0	15.1	8.3	4.8	2.3	0.0
50°	43.7	27.7	16.2	8.8	5.1	2.4	0.0
47.5°	45.9	29.1	17.1	9.2	5.5	2.5	0.0
45°	49.6	30.1	17.8	9.7	5.8	2.6	0.0
42.5°	52.7	30.8	18.3	10.1	6.1	2.7	0.0
40°	55.2	31.1	18.6	10.6	6.4	2.8	0.0
37.5°	57.1	31.1	18.8	11.1	6.6	2.9	0.0
35°	58.3	31.8	18.7	11.6	6.9	3.0	0.0
32.5°	58.6	32.7	18.4	12.0	7.1	3.1	0.0
30°	57.5	33.1	18.0	12.5	7.4	3.2	0.0
27.5°	55.9	33.1	18.4	12.9	7.6	3.3	0.0
25°	53.9	32.8	19.0	13.2	7.8	3.4	0.0
22.5°	51.5	32.8	19.5	13.6	7.9	3.4	0.0
20°	48.6	34.3	20.0	13.9	8.1	3.5	0.0
17.5°	48.1	35.7	20.5	14.1	8.2	3.5	0.0
15°	49.1	36.8	20.9	14.4	8.4	3.6	0.0
12.5°	49.9	37.8	21.3	14.5	8.5	3.6	0.0
10°	50.7	38.6	21.6	14.7	8.5	3.6	0.0
7.5°	51.3	39.2	21.9	14.8	8.6	3.7	0.0
5°	51.8	39.7	22.2	14.9	8.7	3.7	0.0
2.5°	52.2	39.9	22.4	15.0	8.7	3.7	0.0
0°	52.4	40.0	22.5	15.0	8.7	3.7	0.0
-2.5°	52.2	39.9	22.4	15.0	8.7	3.7	0.0
-5°	51.8	39.7	22.2	14.9	8.7	3.7	0.0
-7.5°	51.3	39.2	21.9	14.8	8.6	3.7	0.0
-10°	50.7	38.6	21.6	14.7	8.5	3.6	0.0
-12.5°	49.9	37.8	21.3	14.5	8.5	3.6	0.0
-15°	49.1	36.8	20.9	14.4	8.4	3.6	0.0
-17.5°	48.1	35.7	20.5	14.1	8.2	3.5	0.0
-20°	48.6	34.3	20.0	13.9	8.1	3.5	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	51.5	32.8	19.5	13.6	7.9	3.4	0.0
-25°	53.9	32.8	19.0	13.2	7.8	3.4	0.0
-27.5°	55.9	33.1	18.4	12.9	7.6	3.3	0.0
-30°	57.5	33.1	18.0	12.5	7.4	3.2	0.0
-32.5°	58.6	32.7	18.4	12.0	7.1	3.1	0.0
-35°	58.3	31.8	18.7	11.6	6.9	3.0	0.0
-37.5°	57.1	31.1	18.8	11.1	6.6	2.9	0.0
-40°	55.2	31.1	18.6	10.6	6.4	2.8	0.0
-42.5°	52.7	30.8	18.3	10.1	6.1	2.7	0.0
-45°	49.6	30.1	17.8	9.7	5.8	2.6	0.0
-47.5°	45.9	29.1	17.1	9.2	5.5	2.5	0.0
-50°	43.7	27.7	16.2	8.8	5.1	2.4	0.0
-52.5°	41.4	26.0	15.1	8.3	4.8	2.3	0.0
-55°	38.6	24.1	13.9	7.8	4.4	2.1	0.0
-57.5°	35.3	22.0	12.5	7.3	4.1	2.0	0.0
-60°	31.6	19.7	11.0	6.7	3.7	1.8	0.0
-62.5°	28.0	17.1	10.0	6.0	3.4	1.7	0.0
-65°	24.0	14.3	8.9	5.3	3.1	1.6	0.0
-67.5°	19.7	11.9	7.7	4.6	2.8	1.4	0.0
-70°	15.1	10.2	6.5	3.8	2.5	1.3	0.0
-72.5°	12.2	8.3	5.3	3.3	2.2	1.1	0.0
-75°	9.6	6.4	3.9	2.9	1.9	1.0	0.0
-77.5°	6.9	4.4	3.2	2.4	1.6	0.8	0.0
-80°	4.0	3.2	2.6	1.9	1.3	0.6	0.0
-82.5°	2.9	2.4	1.9	1.4	1.0	0.5	0.0
-85°	1.9	1.6	1.3	1.0	0.6	0.3	0.0
-87.5°	1.0	0.8	0.6	0.5	0.3	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)