

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: P559019 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5B-930-U-WR-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559019 (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-SA5B-930-U-WR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6  
Light Source: (80) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

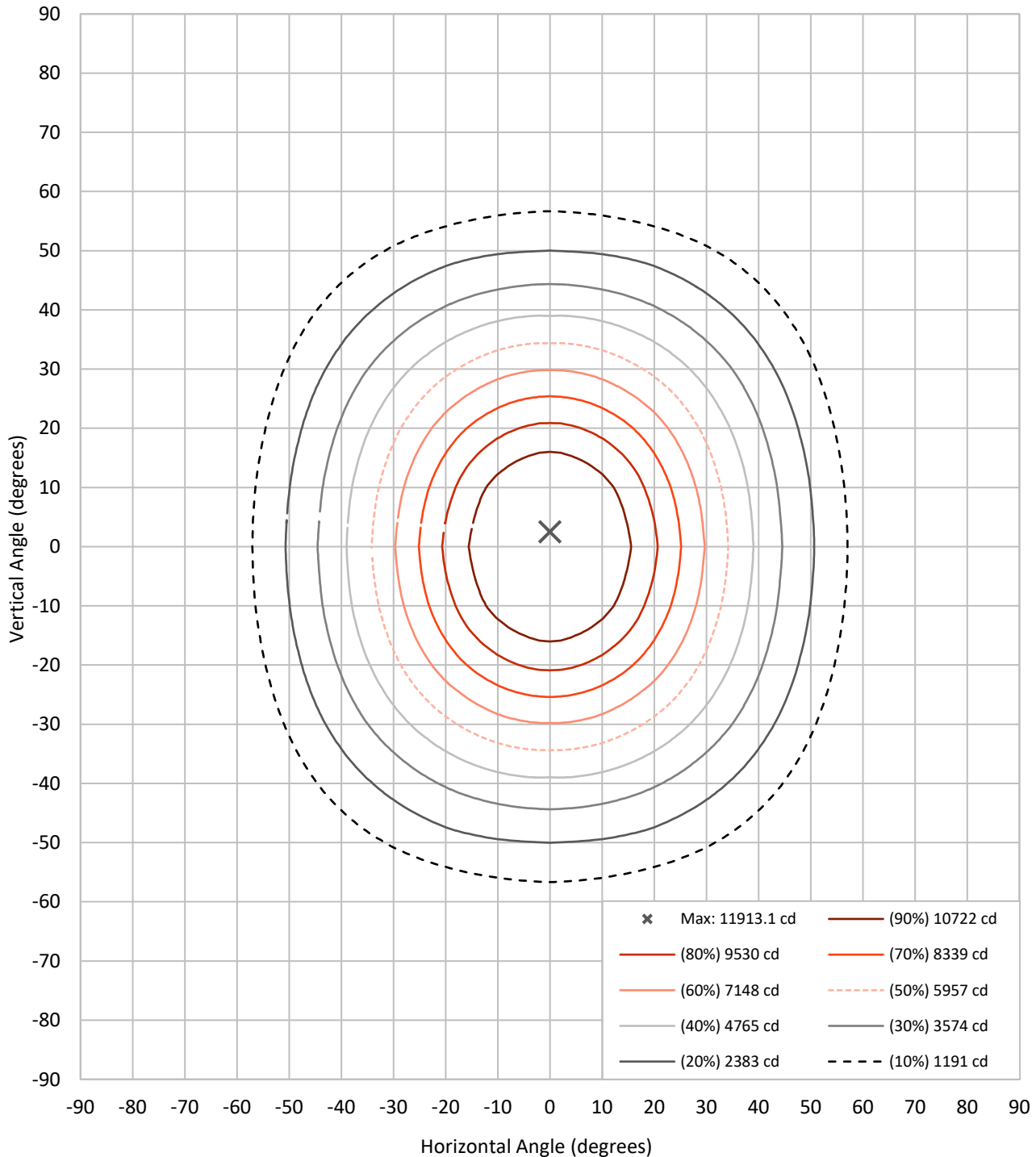
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	16123.4 lumens	Max Intensity:	11913.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 2.5°V
Efficacy:	104.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	68°H x 68.7°V	Field Angle (10%):	114°H x 113.4°V
Beam Lumens:	9667.1 lumens	Field Lumens:	15402.1 lumens
Beam Efficiency:	60.0%	Field Efficiency:	95.5%

Input Watts (W): 154  
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





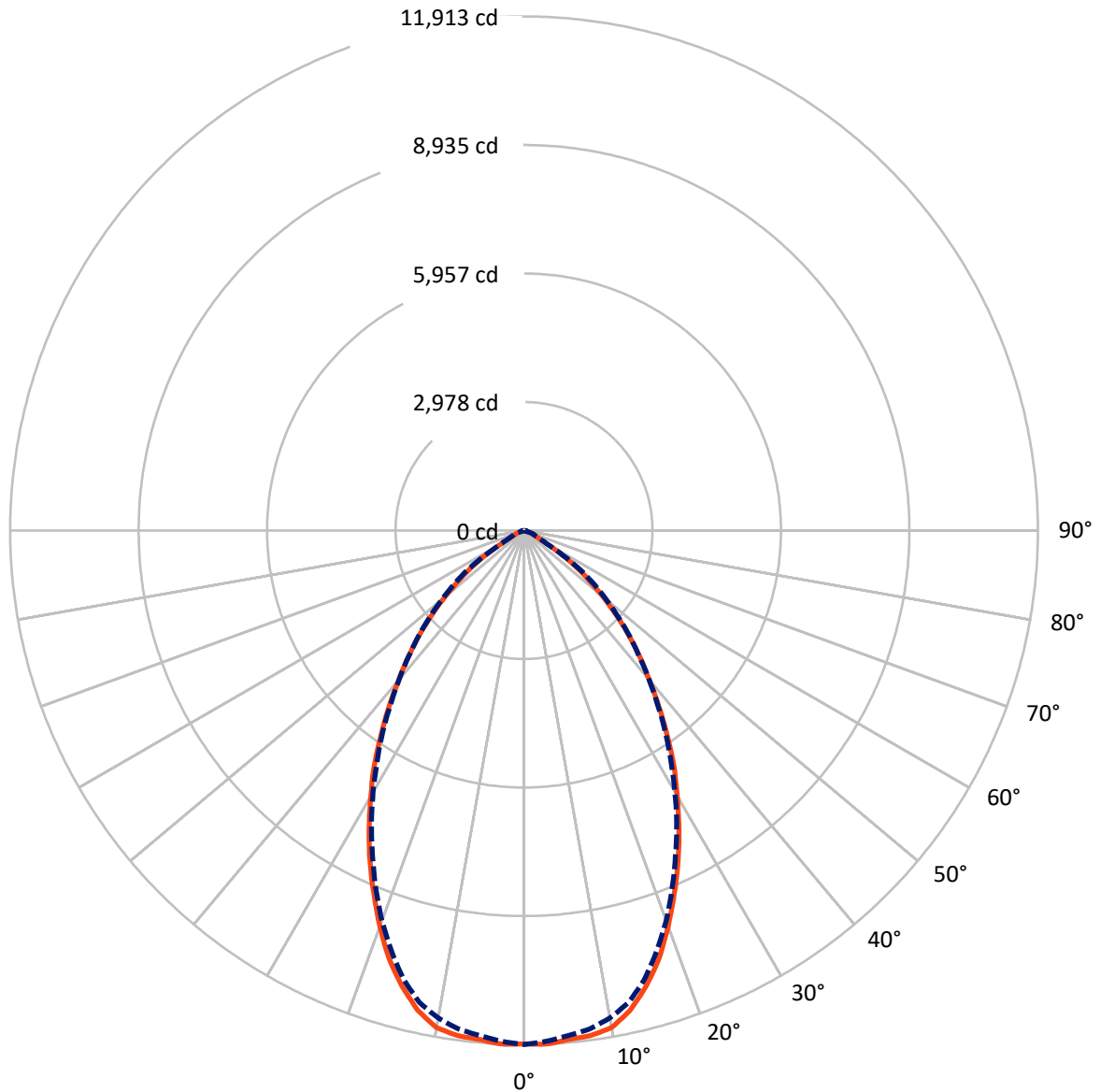
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### Lumen Table

90																			
80	0.1	1.5		3.9		6.7		4.7		6.7		3.9		1.5		0.1			
70																			
60	0.7	1.1	2.1	3.4	5.0	6.5	8.0	9.0	9.0	8.0	6.5	5.0	3.4	2.1	1.1	0.7			
50		1.8	3.6	6.5	12.5	24.2	36.3	43.5	43.5	36.3	24.2	12.5	6.5	3.6	1.8				
40	1.3	2.3	5.3	15.4	40.6	67.6	89.9	102.5	102.5	89.9	67.6	40.6	15.4	5.3	2.3	1.3			
30		2.9	9.1	35.6	73.0	113.9	151.0	173.1	173.1	151.0	113.9	73.0	35.6	9.1	2.9				
20	1.4	3.4	16.5	53.8	103.5	162.0	216.6	250.8	250.8	216.6	162.0	103.5	53.8	16.5	3.4	1.4			
10		4.1	23.6	67.0	127.6	202.4	275.7	322.1	322.1	275.7	202.4	127.6	67.0	23.6	4.1				
0	1.4	4.4	27.5	74.1	141.1	226.2	309.7	354.0	354.0	309.7	226.2	141.1	74.1	27.5	4.4	1.4			
-10		4.4	27.5	74.1	141.1	226.2	309.7	354.0	354.0	309.7	226.2	141.1	74.1	27.5	4.4				
-20	1.4	4.1	23.6	67.0	127.6	202.4	275.7	322.1	322.1	275.7	202.4	127.6	67.0	23.6	4.1	1.4			
-30		3.4	16.5	53.8	103.5	162.0	216.6	250.8	250.8	216.6	162.0	103.5	53.8	16.5	3.4				
-40	1.3	2.9	9.1	35.6	73.0	113.9	151.0	173.1	173.1	151.0	113.9	73.0	35.6	9.1	2.9	1.3			
-50		2.3	5.3	15.4	40.6	67.6	89.9	102.5	102.5	89.9	67.6	40.6	15.4	5.3	2.3				
-60	0.7	1.8	3.6	6.5	12.5	24.2	36.3	43.5	43.5	36.3	24.2	12.5	6.5	3.6	1.8	0.7			
-70		1.1	2.1	3.4	5.0	6.5	8.0	9.0	9.0	8.0	6.5	5.0	3.4	2.1	1.1				
-80																			
-90	0.1	1.5		3.9		6.7		4.7		6.7		3.9		1.5		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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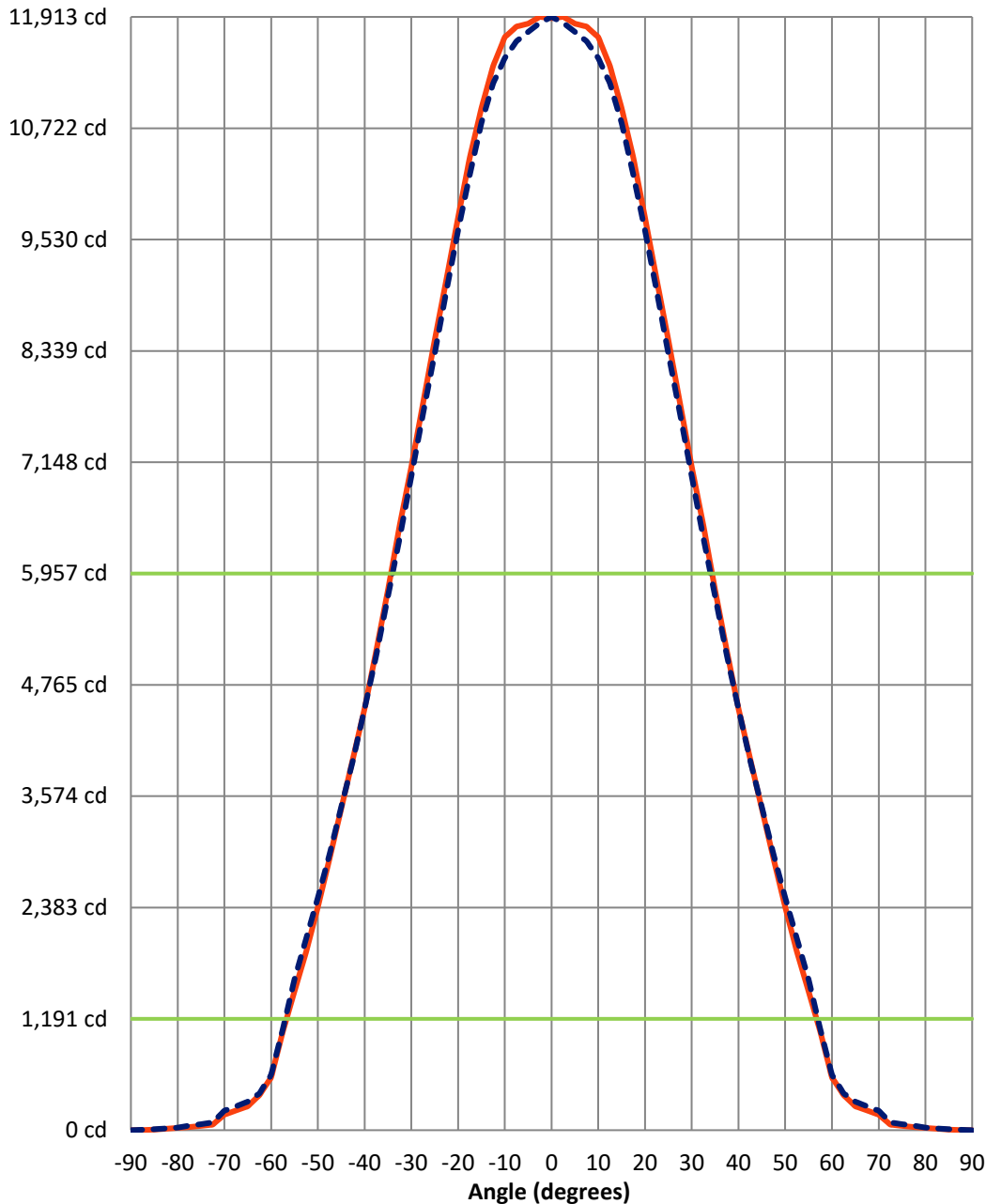
### Luminous Intensity Polar Plot



— 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: 9667.1  
Efficiency: 60.0%

**Field:**  
H Angle: 114°  
V Angle: 113.4°  
Lumens: 15402.1  
Efficiency: 95.5%

**Spill:**  
Lumens: 721.2  
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	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	1.9
85°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.1	3.5	3.9
82.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.1	4.9	6.8	8.6
80°	0.0	0.8	1.6	2.4	3.2	4.0	5.0	7.4	9.9	12.4	15.0
77.5°	0.0	1.0	2.0	3.0	4.0	5.5	8.5	11.6	14.7	18.0	22.4
75°	0.0	1.2	2.4	3.6	4.9	7.9	11.8	15.7	19.9	26.5	33.1
72.5°	0.0	1.4	2.8	4.1	6.5	10.2	15.0	20.6	28.4	36.1	43.7
70°	0.0	1.6	3.1	4.8	8.0	12.5	18.5	28.0	36.8	45.6	58.2
67.5°	0.0	1.8	3.5	5.7	9.5	14.7	24.1	35.3	45.2	58.4	73.2
65°	0.0	1.9	3.9	6.6	10.9	17.5	29.4	42.5	55.5	70.6	87.4
62.5°	0.0	2.1	4.2	7.4	12.2	21.0	34.3	50.2	65.3	82.6	100.9
60°	0.0	2.3	4.6	8.2	13.5	24.2	38.8	57.9	74.6	95.5	114.6
57.5°	0.0	2.5	5.0	8.9	15.3	27.0	43.3	64.9	86.0	108.5	126.0
55°	0.0	2.6	5.5	9.6	17.1	29.6	47.3	70.3	97.9	120.6	136.3
52.5°	0.0	2.8	5.9	10.2	18.6	31.9	50.8	78.2	109.7	130.2	146.6
50°	0.0	3.0	6.3	10.8	19.9	34.0	53.7	85.7	120.5	139.6	157.4
47.5°	0.0	3.1	6.7	11.3	21.0	35.6	56.3	92.2	129.0	149.0	167.7
45°	0.0	3.3	7.1	11.9	21.8	36.9	60.9	97.6	132.6	157.5	177.3
42.5°	0.0	3.4	7.5	12.4	22.4	37.8	64.7	100.7	135.0	165.3	187.8
40°	0.0	3.5	7.8	13.0	22.8	38.2	67.7	101.9	136.5	172.0	198.3
37.5°	0.0	3.6	8.2	13.6	23.0	38.2	70.0	102.2	137.9	174.9	208.4
35°	0.0	3.8	8.5	14.2	22.9	39.0	71.5	101.7	139.3	181.3	218.4
32.5°	0.0	3.9	8.8	14.8	22.6	40.1	71.8	100.3	140.7	189.4	228.5
30°	0.0	4.0	9.1	15.3	22.0	40.6	70.5	98.9	142.1	199.2	238.0
27.5°	0.0	4.1	9.3	15.8	22.6	40.6	68.6	99.2	145.6	210.3	246.9
25°	0.0	4.2	9.6	16.2	23.3	40.1	66.1	99.2	153.1	219.2	255.3
22.5°	0.0	4.2	9.8	16.6	23.9	40.1	63.1	99.0	161.1	225.9	266.1
20°	0.0	4.3	10.0	17.0	24.5	42.0	59.6	98.4	169.3	232.0	275.6
17.5°	0.0	4.4	10.1	17.3	25.1	43.7	59.0	97.5	177.6	237.5	284.0
15°	0.0	4.4	10.3	17.6	25.6	45.1	60.2	97.0	185.6	242.3	291.2
12.5°	0.0	4.5	10.4	17.8	26.1	46.3	61.2	96.4	192.7	246.5	297.1
10°	0.0	4.5	10.5	18.0	26.5	47.3	62.1	94.5	198.6	249.7	301.6
7.5°	0.0	4.6	10.6	18.2	26.9	48.0	62.9	91.4	203.3	252.3	304.2
5°	0.0	4.6	10.7	18.3	27.2	48.6	63.6	87.6	206.7	254.2	305.5
2.5°	0.0	4.6	10.7	18.4	27.4	48.9	64.0	83.0	208.4	255.4	305.7
0°	0.0	4.6	10.7	18.4	27.6	49.0	64.3	78.1	208.3	255.8	304.8
-2.5°	0.0	4.6	10.7	18.4	27.4	48.9	64.0	83.0	208.4	255.4	305.7
-5°	0.0	4.6	10.7	18.3	27.2	48.6	63.6	87.6	206.7	254.2	305.5
-7.5°	0.0	4.6	10.6	18.2	26.9	48.0	62.9	91.4	203.3	252.3	304.2
-10°	0.0	4.5	10.5	18.0	26.5	47.3	62.1	94.5	198.6	249.7	301.6
-12.5°	0.0	4.5	10.4	17.8	26.1	46.3	61.2	96.4	192.7	246.5	297.1
-15°	0.0	4.4	10.3	17.6	25.6	45.1	60.2	97.0	185.6	242.3	291.2
-17.5°	0.0	4.4	10.1	17.3	25.1	43.7	59.0	97.5	177.6	237.5	284.0
-20°	0.0	4.3	10.0	17.0	24.5	42.0	59.6	98.4	169.3	232.0	275.6



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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	4.2	9.8	16.6	23.9	40.1	63.1	99.0	161.1	225.9	266.1
-25°	0.0	4.2	9.6	16.2	23.3	40.1	66.1	99.2	153.1	219.2	255.3
-27.5°	0.0	4.1	9.3	15.8	22.6	40.6	68.6	99.2	145.6	210.3	246.9
-30°	0.0	4.0	9.1	15.3	22.0	40.6	70.5	98.9	142.1	199.2	238.0
-32.5°	0.0	3.9	8.8	14.8	22.6	40.1	71.8	100.3	140.7	189.4	228.5
-35°	0.0	3.8	8.5	14.2	22.9	39.0	71.5	101.7	139.3	181.3	218.4
-37.5°	0.0	3.6	8.2	13.6	23.0	38.2	70.0	102.2	137.9	174.9	208.4
-40°	0.0	3.5	7.8	13.0	22.8	38.2	67.7	101.9	136.5	172.0	198.3
-42.5°	0.0	3.4	7.5	12.4	22.4	37.8	64.7	100.7	135.0	165.3	187.8
-45°	0.0	3.3	7.1	11.9	21.8	36.9	60.9	97.6	132.6	157.5	177.3
-47.5°	0.0	3.1	6.7	11.3	21.0	35.6	56.3	92.2	129.0	149.0	167.7
-50°	0.0	3.0	6.3	10.8	19.9	34.0	53.7	85.7	120.5	139.6	157.4
-52.5°	0.0	2.8	5.9	10.2	18.6	31.9	50.8	78.2	109.7	130.2	146.6
-55°	0.0	2.6	5.5	9.6	17.1	29.6	47.3	70.3	97.9	120.6	136.3
-57.5°	0.0	2.5	5.0	8.9	15.3	27.0	43.3	64.9	86.0	108.5	126.0
-60°	0.0	2.3	4.6	8.2	13.5	24.2	38.8	57.9	74.6	95.5	114.6
-62.5°	0.0	2.1	4.2	7.4	12.2	21.0	34.3	50.2	65.3	82.6	100.9
-65°	0.0	1.9	3.9	6.6	10.9	17.5	29.4	42.5	55.5	70.6	87.4
-67.5°	0.0	1.8	3.5	5.7	9.5	14.7	24.1	35.3	45.2	58.4	73.2
-70°	0.0	1.6	3.1	4.8	8.0	12.5	18.5	28.0	36.8	45.6	58.2
-72.5°	0.0	1.4	2.8	4.1	6.5	10.2	15.0	20.6	28.4	36.1	43.7
-75°	0.0	1.2	2.4	3.6	4.9	7.9	11.8	15.7	19.9	26.5	33.1
-77.5°	0.0	1.0	2.0	3.0	4.0	5.5	8.5	11.6	14.7	18.0	22.4
-80°	0.0	0.8	1.6	2.4	3.2	4.0	5.0	7.4	9.9	12.4	15.0
-82.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.1	4.9	6.8	8.6
-85°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.1	3.5	3.9
-87.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	1.9
-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°	2.0	1.9	1.9	1.8	1.9	2.0	2.1	2.2	2.0	1.8	1.5
85°	3.9	3.9	4.4	4.7	5.2	5.5	5.7	5.6	6.3	7.2	8.2
82.5°	9.7	10.4	10.8	10.9	11.0	11.0	10.9	10.8	13.3	16.5	20.1
80°	16.3	17.0	19.6	22.4	23.8	23.7	22.5	20.0	23.7	29.7	36.9
77.5°	26.5	30.5	34.6	38.8	39.6	37.6	34.3	29.8	35.1	45.6	57.6
75°	38.6	44.0	50.0	54.5	54.5	51.3	47.0	46.1	55.0	67.8	78.3
72.5°	52.8	60.6	66.4	70.3	70.0	69.4	71.1	74.9	82.2	91.6	99.7
70°	70.0	77.8	82.1	84.1	84.8	89.1	95.4	100.2	105.4	114.6	123.2
67.5°	87.0	93.0	96.7	99.3	106.5	114.6	120.9	126.8	133.2	142.6	150.4
65°	102.1	108.2	113.5	121.5	131.9	139.6	147.2	155.0	166.2	176.7	183.1
62.5°	116.9	123.4	131.5	142.3	153.6	163.4	175.7	189.6	204.2	215.0	227.4
60°	128.4	137.6	149.1	162.0	175.4	191.4	207.2	223.5	238.4	252.9	271.1
57.5°	139.3	152.6	166.9	182.0	199.8	219.8	239.1	256.7	275.5	295.6	316.2
55°	151.2	168.6	184.6	202.6	224.3	249.7	271.2	292.0	314.4	348.4	378.1
52.5°	164.3	183.6	201.6	223.6	250.7	277.8	302.2	331.4	368.8	419.3	501.1
50°	176.6	197.3	218.5	246.9	276.2	304.7	340.0	380.6	455.7	549.8	714.6
47.5°	188.9	210.9	238.9	269.6	301.4	339.1	383.8	472.6	575.0	809.4	1043.0
45°	201.1	227.2	258.1	293.0	330.9	378.3	471.2	580.7	859.1	1128.8	1409.6
42.5°	213.0	243.5	278.9	316.0	365.6	451.3	571.0	860.3	1161.7	1471.4	1741.0
40°	226.6	258.8	299.7	346.8	412.4	542.4	811.1	1136.9	1476.6	1769.2	2031.5
37.5°	239.3	277.4	321.8	376.7	494.6	711.7	1057.8	1419.2	1748.2	2034.0	2314.2
35°	250.9	295.5	348.4	430.7	575.1	932.9	1308.2	1675.6	1990.1	2295.3	2601.8
32.5°	264.6	312.9	374.0	502.2	759.9	1146.5	1545.9	1895.9	2225.2	2550.7	2900.8
30°	279.8	334.6	409.6	570.4	943.0	1354.0	1749.7	2107.3	2448.7	2810.2	3185.1
27.5°	294.1	355.4	468.4	702.7	1115.1	1547.8	1935.1	2303.1	2669.6	3054.5	3458.2
25°	307.0	375.3	523.7	847.7	1281.2	1713.1	2105.7	2480.2	2876.0	3294.3	3719.1
22.5°	321.0	394.6	573.5	979.8	1433.2	1860.3	2256.3	2653.4	3072.4	3515.7	3958.8
20°	336.1	435.9	655.5	1101.8	1571.3	1994.0	2391.6	2814.4	3256.1	3715.3	4183.3
17.5°	349.9	472.4	753.4	1217.4	1687.4	2110.2	2513.3	2960.2	3415.9	3895.9	4388.9
15°	362.2	504.0	839.7	1319.8	1785.9	2209.0	2632.0	3089.6	3557.9	4057.9	4569.9
12.5°	373.1	530.7	913.8	1408.2	1869.0	2293.4	2731.8	3198.7	3684.5	4199.5	4733.0
10°	382.3	552.4	975.5	1482.2	1936.7	2363.1	2811.8	3289.6	3785.2	4313.5	4864.6
7.5°	388.2	570.3	1024.3	1541.3	1988.9	2417.7	2872.2	3361.2	3858.9	4402.5	4964.1
5°	392.0	585.0	1059.6	1585.0	2026.9	2458.8	2915.8	3412.6	3906.2	4464.9	5031.0
2.5°	393.8	595.1	1081.1	1613.0	2050.7	2487.7	2951.8	3457.7	3955.9	4509.4	5082.8
0°	393.6	600.3	1088.9	1624.9	2059.8	2500.9	2969.5	3481.0	3987.9	4528.5	5118.1
-2.5°	393.8	595.1	1081.1	1613.0	2050.7	2487.7	2951.8	3457.7	3955.9	4509.4	5082.8
-5°	392.0	585.0	1059.6	1585.0	2026.9	2458.8	2915.8	3412.6	3906.2	4464.9	5031.0
-7.5°	388.2	570.3	1024.3	1541.3	1988.9	2417.7	2872.2	3361.2	3858.9	4402.5	4964.1
-10°	382.3	552.4	975.5	1482.2	1936.7	2363.1	2811.8	3289.6	3785.2	4313.5	4864.6
-12.5°	373.1	530.7	913.8	1408.2	1869.0	2293.4	2731.8	3198.7	3684.5	4199.5	4733.0
-15°	362.2	504.0	839.7	1319.8	1785.9	2209.0	2632.0	3089.6	3557.9	4057.9	4569.9
-17.5°	349.9	472.4	753.4	1217.4	1687.4	2110.2	2513.3	2960.2	3415.9	3895.9	4388.9
-20°	336.1	435.9	655.5	1101.8	1571.3	1994.0	2391.6	2814.4	3256.1	3715.3	4183.3



REPORT NUMBER: P559019 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	321.0	394.6	573.5	979.8	1433.2	1860.3	2256.3	2653.4	3072.4	3515.7	3958.8
-25°	307.0	375.3	523.7	847.7	1281.2	1713.1	2105.7	2480.2	2876.0	3294.3	3719.1
-27.5°	294.1	355.4	468.4	702.7	1115.1	1547.8	1935.1	2303.1	2669.6	3054.5	3458.2
-30°	279.8	334.6	409.6	570.4	943.0	1354.0	1749.7	2107.3	2448.7	2810.2	3185.1
-32.5°	264.6	312.9	374.0	502.2	759.9	1146.5	1545.9	1895.9	2225.2	2550.7	2900.8
-35°	250.9	295.5	348.4	430.7	575.1	932.9	1308.2	1675.6	1990.1	2295.3	2601.8
-37.5°	239.3	277.4	321.8	376.7	494.6	711.7	1057.8	1419.2	1748.2	2034.0	2314.2
-40°	226.6	258.8	299.7	346.8	412.4	542.4	811.1	1136.9	1476.6	1769.2	2031.5
-42.5°	213.0	243.5	278.9	316.0	365.6	451.3	571.0	860.3	1161.7	1471.4	1741.0
-45°	201.1	227.2	258.1	293.0	330.9	378.3	471.2	580.7	859.1	1128.8	1409.6
-47.5°	188.9	210.9	238.9	269.6	301.4	339.1	383.8	472.6	575.0	809.4	1043.0
-50°	176.6	197.3	218.5	246.9	276.2	304.7	340.0	380.6	455.7	549.8	714.6
-52.5°	164.3	183.6	201.6	223.6	250.7	277.8	302.2	331.4	368.8	419.3	501.1
-55°	151.2	168.6	184.6	202.6	224.3	249.7	271.2	292.0	314.4	348.4	378.1
-57.5°	139.3	152.6	166.9	182.0	199.8	219.8	239.1	256.7	275.5	295.6	316.2
-60°	128.4	137.6	149.1	162.0	175.4	191.4	207.2	223.5	238.4	252.9	271.1
-62.5°	116.9	123.4	131.5	142.3	153.6	163.4	175.7	189.6	204.2	215.0	227.4
-65°	102.1	108.2	113.5	121.5	131.9	139.6	147.2	155.0	166.2	176.7	183.1
-67.5°	87.0	93.0	96.7	99.3	106.5	114.6	120.9	126.8	133.2	142.6	150.4
-70°	70.0	77.8	82.1	84.1	84.8	89.1	95.4	100.2	105.4	114.6	123.2
-72.5°	52.8	60.6	66.4	70.3	70.0	69.4	71.1	74.9	82.2	91.6	99.7
-75°	38.6	44.0	50.0	54.5	54.5	51.3	47.0	46.1	55.0	67.8	78.3
-77.5°	26.5	30.5	34.6	38.8	39.6	37.6	34.3	29.8	35.1	45.6	57.6
-80°	16.3	17.0	19.6	22.4	23.8	23.7	22.5	20.0	23.7	29.7	36.9
-82.5°	9.7	10.4	10.8	10.9	11.0	11.0	10.9	10.8	13.3	16.5	20.1
-85°	3.9	3.9	4.4	4.7	5.2	5.5	5.7	5.6	6.3	7.2	8.2
-87.5°	2.0	1.9	1.9	1.8	1.9	2.0	2.1	2.2	2.0	1.8	1.5
-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: P559019 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-930-U-WR-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°	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5
85°	9.3	9.2	8.8	8.4	7.8	8.0	8.3	8.5	8.7	8.1	7.5
82.5°	24.0	25.8	27.5	29.3	31.1	30.9	30.0	28.8	27.2	24.2	20.9
80°	45.0	49.2	52.0	54.3	56.1	54.4	51.8	48.7	45.4	40.3	34.8
77.5°	69.8	74.1	76.3	79.0	81.9	82.5	82.6	82.9	83.3	73.9	61.9
75°	86.8	92.4	97.0	101.1	104.7	106.5	107.7	108.8	109.9	97.4	81.1
72.5°	106.7	112.1	116.5	121.0	124.8	127.8	130.1	132.0	133.6	123.5	109.2
70°	130.0	135.4	140.4	145.0	149.4	153.5	157.1	160.5	163.6	164.2	164.9
67.5°	156.2	159.4	165.5	171.2	178.1	183.1	188.7	193.9	198.7	202.9	206.3
65°	188.7	200.3	212.0	217.7	218.2	225.5	236.9	243.3	245.1	246.6	250.2
62.5°	243.2	258.2	266.0	276.3	290.4	305.7	311.6	320.0	330.4	342.0	352.5
60°	286.6	299.3	318.2	337.5	354.7	370.3	408.0	441.5	470.3	495.0	518.8
57.5°	340.4	361.4	390.4	442.6	490.3	533.5	607.3	697.4	777.7	847.9	909.7
55°	426.1	487.2	542.1	665.4	797.1	911.0	1017.7	1131.8	1224.7	1297.3	1364.5
52.5°	572.4	740.2	910.4	1070.4	1227.7	1370.9	1499.5	1600.6	1679.5	1738.8	1794.9
50°	916.3	1118.6	1325.9	1516.8	1671.3	1812.5	1946.2	2046.6	2130.5	2202.8	2266.8
47.5°	1291.3	1528.1	1724.0	1900.0	2066.5	2223.2	2369.5	2491.6	2595.0	2690.4	2769.8
45°	1664.5	1876.3	2077.1	2265.9	2447.2	2622.8	2780.2	2919.1	3055.9	3168.9	3258.3
42.5°	1980.0	2204.3	2417.9	2634.0	2836.6	3033.6	3223.7	3392.6	3537.9	3661.5	3760.9
40°	2282.9	2524.7	2778.3	3018.2	3258.9	3483.7	3694.3	3887.2	4052.7	4199.0	4322.8
37.5°	2591.1	2873.4	3152.1	3425.5	3690.7	3935.1	4176.9	4399.4	4593.4	4764.6	4908.3
35°	2916.4	3227.5	3530.8	3838.9	4128.4	4411.3	4678.6	4923.5	5138.3	5340.0	5513.3
32.5°	3242.3	3579.4	3920.9	4254.3	4575.0	4891.8	5184.9	5461.0	5714.9	5938.1	6123.2
30°	3559.6	3930.7	4296.2	4659.4	5025.4	5370.6	5695.2	5998.4	6274.0	6517.1	6727.4
27.5°	3864.1	4263.0	4655.0	5070.3	5468.1	5843.6	6196.3	6522.3	6829.9	7106.4	7345.1
25°	4145.8	4569.6	5026.4	5462.0	5887.7	6304.2	6690.6	7044.7	7396.4	7700.6	7959.7
22.5°	4412.0	4884.9	5365.9	5822.7	6292.4	6750.4	7182.9	7593.3	7968.9	8287.6	8563.9
20°	4665.1	5174.1	5669.6	6175.5	6684.1	7178.1	7654.4	8093.0	8489.8	8837.2	9148.8
17.5°	4904.2	5430.8	5957.4	6497.6	7046.9	7566.2	8071.0	8548.1	8981.3	9366.7	9718.0
15°	5111.0	5655.1	6219.0	6793.2	7367.7	7919.9	8455.6	8975.3	9462.7	9882.2	10236.5
12.5°	5286.8	5853.6	6450.1	7052.5	7658.1	8236.9	8804.7	9360.8	9879.0	10330.0	10693.7
10°	5432.5	6026.4	6649.5	7276.9	7898.0	8499.5	9090.0	9665.5	10222.0	10689.4	11063.0
7.5°	5554.0	6170.7	6808.2	7454.5	8081.2	8705.9	9321.7	9903.0	10451.3	10944.2	11328.1
5°	5644.7	6271.7	6922.7	7585.1	8221.4	8868.4	9502.5	10097.4	10640.2	11086.9	11400.3
2.5°	5712.3	6334.6	6997.1	7663.9	8308.6	8978.9	9626.5	10222.1	10777.6	11200.4	11471.8
0°	5758.2	6369.3	7064.6	7718.5	8374.0	9061.6	9701.7	10303.6	10861.0	11274.5	11554.8
-2.5°	5712.3	6334.6	6997.1	7663.9	8308.6	8978.9	9626.5	10222.1	10777.6	11200.4	11471.8
-5°	5644.7	6271.7	6922.7	7585.1	8221.4	8868.4	9502.5	10097.4	10640.2	11086.9	11400.3
-7.5°	5554.0	6170.7	6808.2	7454.5	8081.2	8705.9	9321.7	9903.0	10451.3	10944.2	11328.1
-10°	5432.5	6026.4	6649.5	7276.9	7898.0	8499.5	9090.0	9665.5	10222.0	10689.4	11063.0
-12.5°	5286.8	5853.6	6450.1	7052.5	7658.1	8236.9	8804.7	9360.8	9879.0	10330.0	10693.7
-15°	5111.0	5655.1	6219.0	6793.2	7367.7	7919.9	8455.6	8975.3	9462.7	9882.2	10236.5
-17.5°	4904.2	5430.8	5957.4	6497.6	7046.9	7566.2	8071.0	8548.1	8981.3	9366.7	9718.0
-20°	4665.1	5174.1	5669.6	6175.5	6684.1	7178.1	7654.4	8093.0	8489.8	8837.2	9148.8



REPORT NUMBER: P559019 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	4412.0	4884.9	5365.9	5822.7	6292.4	6750.4	7182.9	7593.3	7968.9	8287.6	8563.9
-25°	4145.8	4569.6	5026.4	5462.0	5887.7	6304.2	6690.6	7044.7	7396.4	7700.6	7959.7
-27.5°	3864.1	4263.0	4655.0	5070.3	5468.1	5843.6	6196.3	6522.3	6829.9	7106.4	7345.1
-30°	3559.6	3930.7	4296.2	4659.4	5025.4	5370.6	5695.2	5998.4	6274.0	6517.1	6727.4
-32.5°	3242.3	3579.4	3920.9	4254.3	4575.0	4891.8	5184.9	5461.0	5714.9	5938.1	6123.2
-35°	2916.4	3227.5	3530.8	3838.9	4128.4	4411.3	4678.6	4923.5	5138.3	5340.0	5513.3
-37.5°	2591.1	2873.4	3152.1	3425.5	3690.7	3935.1	4176.9	4399.4	4593.4	4764.6	4908.3
-40°	2282.9	2524.7	2778.3	3018.2	3258.9	3483.7	3694.3	3887.2	4052.7	4199.0	4322.8
-42.5°	1980.0	2204.3	2417.9	2634.0	2836.6	3033.6	3223.7	3392.6	3537.9	3661.5	3760.9
-45°	1664.5	1876.3	2077.1	2265.9	2447.2	2622.8	2780.2	2919.1	3055.9	3168.9	3258.3
-47.5°	1291.3	1528.1	1724.0	1900.0	2066.5	2223.2	2369.5	2491.6	2595.0	2690.4	2769.8
-50°	916.3	1118.6	1325.9	1516.8	1671.3	1812.5	1946.2	2046.6	2130.5	2202.8	2266.8
-52.5°	572.4	740.2	910.4	1070.4	1227.7	1370.9	1499.5	1600.6	1679.5	1738.8	1794.9
-55°	426.1	487.2	542.1	665.4	797.1	911.0	1017.7	1131.8	1224.7	1297.3	1364.5
-57.5°	340.4	361.4	390.4	442.6	490.3	533.5	607.3	697.4	777.7	847.9	909.7
-60°	286.6	299.3	318.2	337.5	354.7	370.3	408.0	441.5	470.3	495.0	518.8
-62.5°	243.2	258.2	266.0	276.3	290.4	305.7	311.6	320.0	330.4	342.0	352.5
-65°	188.7	200.3	212.0	217.7	218.2	225.5	236.9	243.3	245.1	246.6	250.2
-67.5°	156.2	159.4	165.5	171.2	178.1	183.1	188.7	193.9	198.7	202.9	206.3
-70°	130.0	135.4	140.4	145.0	149.4	153.5	157.1	160.5	163.6	164.2	164.9
-72.5°	106.7	112.1	116.5	121.0	124.8	127.8	130.1	132.0	133.6	123.5	109.2
-75°	86.8	92.4	97.0	101.1	104.7	106.5	107.7	108.8	109.9	97.4	81.1
-77.5°	69.8	74.1	76.3	79.0	81.9	82.5	82.6	82.9	83.3	73.9	61.9
-80°	45.0	49.2	52.0	54.3	56.1	54.4	51.8	48.7	45.4	40.3	34.8
-82.5°	24.0	25.8	27.5	29.3	31.1	30.9	30.0	28.8	27.2	24.2	20.9
-85°	9.3	9.2	8.8	8.4	7.8	8.0	8.3	8.5	8.7	8.1	7.5
-87.5°	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5
-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: P559019 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
85°	6.8	6.1	6.1	6.1	6.1	6.1	6.8	7.5	8.1	8.7	8.5
82.5°	17.4	13.8	14.5	15.3	14.5	13.8	17.4	20.9	24.2	27.2	28.8
80°	29.0	23.0	23.7	24.5	23.7	23.0	29.0	34.8	40.3	45.4	48.7
77.5°	49.1	35.6	34.4	33.7	34.4	35.6	49.1	61.9	73.9	83.3	82.9
75°	64.2	46.9	45.8	45.9	45.8	46.9	64.2	81.1	97.4	109.9	108.8
72.5°	94.8	80.1	70.0	59.7	70.0	80.1	94.8	109.2	123.5	133.6	132.0
70°	166.7	168.7	167.9	165.4	167.9	168.7	166.7	164.9	164.2	163.6	160.5
67.5°	209.1	211.3	211.8	211.3	211.8	211.3	209.1	206.3	202.9	198.7	193.9
65°	252.7	254.2	255.4	255.8	255.4	254.2	252.7	250.2	246.6	245.1	243.3
62.5°	360.4	365.7	371.3	375.2	371.3	365.7	360.4	352.5	342.0	330.4	320.0
60°	539.6	556.8	564.4	565.1	564.4	556.8	539.6	518.8	495.0	470.3	441.5
57.5°	959.1	996.0	1029.0	1053.6	1029.0	996.0	959.1	909.7	847.9	777.7	697.4
55°	1418.0	1457.3	1479.5	1485.5	1479.5	1457.3	1418.0	1364.5	1297.3	1224.7	1131.8
52.5°	1837.4	1863.6	1888.4	1909.7	1888.4	1863.6	1837.4	1794.9	1738.8	1679.5	1600.6
50°	2315.1	2344.2	2368.7	2387.5	2368.7	2344.2	2315.1	2266.8	2202.8	2130.5	2046.6
47.5°	2825.5	2861.2	2887.5	2905.2	2887.5	2861.2	2825.5	2769.8	2690.4	2595.0	2491.6
45°	3334.9	3396.0	3433.1	3439.6	3433.1	3396.0	3334.9	3258.3	3168.9	3055.9	2919.1
42.5°	3846.9	3905.4	3944.9	3974.1	3944.9	3905.4	3846.9	3760.9	3661.5	3537.9	3392.6
40°	4426.0	4499.5	4533.1	4511.6	4533.1	4499.5	4426.0	4322.8	4199.0	4052.7	3887.2
37.5°	5019.2	5094.7	5133.7	5131.9	5133.7	5094.7	5019.2	4908.3	4764.6	4593.4	4399.4
35°	5648.1	5741.8	5792.5	5779.7	5792.5	5741.8	5648.1	5513.3	5340.0	5138.3	4923.5
32.5°	6271.1	6384.3	6457.5	6468.8	6457.5	6384.3	6271.1	6123.2	5938.1	5714.9	5461.0
30°	6896.0	7018.4	7091.1	7098.3	7091.1	7018.4	6896.0	6727.4	6517.1	6274.0	5998.4
27.5°	7545.4	7682.3	7758.5	7776.7	7758.5	7682.3	7545.4	7345.1	7106.4	6829.9	6522.3
25°	8180.7	8332.7	8420.1	8453.6	8420.1	8332.7	8180.7	7959.7	7700.6	7396.4	7044.7
22.5°	8793.3	8960.0	9073.9	9102.9	9073.9	8960.0	8793.3	8563.9	8287.6	7968.9	7593.3
20°	9407.8	9604.6	9750.1	9764.5	9750.1	9604.6	9407.8	9148.8	8837.2	8489.8	8093.0
17.5°	9999.4	10212.3	10368.1	10406.2	10368.1	10212.3	9999.4	9718.0	9366.7	8981.3	8548.1
15°	10529.0	10752.4	10903.0	10936.1	10903.0	10752.4	10529.0	10236.5	9882.2	9462.7	8975.3
12.5°	10986.1	11192.1	11332.5	11386.3	11332.5	11192.1	10986.1	10693.7	10330.0	9879.0	9360.8
10°	11354.3	11513.4	11639.0	11695.7	11639.0	11513.4	11354.3	11063.0	10689.4	10222.0	9665.5
7.5°	11559.9	11690.7	11777.7	11809.0	11777.7	11690.7	11559.9	11328.1	10944.2	10451.3	9903.0
5°	11641.1	11766.5	11813.6	11841.2	11813.6	11766.5	11641.1	11400.3	11086.9	10640.2	10097.4
2.5°	11652.2	11752.6	11849.4	11913.1	11849.4	11752.6	11652.2	11471.8	11200.4	10777.6	10222.1
0°	11717.1	11815.1	11868.7	11899.4	11868.7	11815.1	11717.1	11554.8	11274.5	10861.0	10303.6
-2.5°	11652.2	11752.6	11849.4	11913.1	11849.4	11752.6	11652.2	11471.8	11200.4	10777.6	10222.1
-5°	11641.1	11766.5	11813.6	11841.2	11813.6	11766.5	11641.1	11400.3	11086.9	10640.2	10097.4
-7.5°	11559.9	11690.7	11777.7	11809.0	11777.7	11690.7	11559.9	11328.1	10944.2	10451.3	9903.0
-10°	11354.3	11513.4	11639.0	11695.7	11639.0	11513.4	11354.3	11063.0	10689.4	10222.0	9665.5
-12.5°	10986.1	11192.1	11332.5	11386.3	11332.5	11192.1	10986.1	10693.7	10330.0	9879.0	9360.8
-15°	10529.0	10752.4	10903.0	10936.1	10903.0	10752.4	10529.0	10236.5	9882.2	9462.7	8975.3
-17.5°	9999.4	10212.3	10368.1	10406.2	10368.1	10212.3	9999.4	9718.0	9366.7	8981.3	8548.1
-20°	9407.8	9604.6	9750.1	9764.5	9750.1	9604.6	9407.8	9148.8	8837.2	8489.8	8093.0



REPORT NUMBER: P559019 (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°	8793.3	8960.0	9073.9	9102.9	9073.9	8960.0	8793.3	8563.9	8287.6	7968.9	7593.3
-25°	8180.7	8332.7	8420.1	8453.6	8420.1	8332.7	8180.7	7959.7	7700.6	7396.4	7044.7
-27.5°	7545.4	7682.3	7758.5	7776.7	7758.5	7682.3	7545.4	7345.1	7106.4	6829.9	6522.3
-30°	6896.0	7018.4	7091.1	7098.3	7091.1	7018.4	6896.0	6727.4	6517.1	6274.0	5998.4
-32.5°	6271.1	6384.3	6457.5	6468.8	6457.5	6384.3	6271.1	6123.2	5938.1	5714.9	5461.0
-35°	5648.1	5741.8	5792.5	5779.7	5792.5	5741.8	5648.1	5513.3	5340.0	5138.3	4923.5
-37.5°	5019.2	5094.7	5133.7	5131.9	5133.7	5094.7	5019.2	4908.3	4764.6	4593.4	4399.4
-40°	4426.0	4499.5	4533.1	4511.6	4533.1	4499.5	4426.0	4322.8	4199.0	4052.7	3887.2
-42.5°	3846.9	3905.4	3944.9	3974.1	3944.9	3905.4	3846.9	3760.9	3661.5	3537.9	3392.6
-45°	3334.9	3396.0	3433.1	3439.6	3433.1	3396.0	3334.9	3258.3	3168.9	3055.9	2919.1
-47.5°	2825.5	2861.2	2887.5	2905.2	2887.5	2861.2	2825.5	2769.8	2690.4	2595.0	2491.6
-50°	2315.1	2344.2	2368.7	2387.5	2368.7	2344.2	2315.1	2266.8	2202.8	2130.5	2046.6
-52.5°	1837.4	1863.6	1888.4	1909.7	1888.4	1863.6	1837.4	1794.9	1738.8	1679.5	1600.6
-55°	1418.0	1457.3	1479.5	1485.5	1479.5	1457.3	1418.0	1364.5	1297.3	1224.7	1131.8
-57.5°	959.1	996.0	1029.0	1053.6	1029.0	996.0	959.1	909.7	847.9	777.7	697.4
-60°	539.6	556.8	564.4	565.1	564.4	556.8	539.6	518.8	495.0	470.3	441.5
-62.5°	360.4	365.7	371.3	375.2	371.3	365.7	360.4	352.5	342.0	330.4	320.0
-65°	252.7	254.2	255.4	255.8	255.4	254.2	252.7	250.2	246.6	245.1	243.3
-67.5°	209.1	211.3	211.8	211.3	211.8	211.3	209.1	206.3	202.9	198.7	193.9
-70°	166.7	168.7	167.9	165.4	167.9	168.7	166.7	164.9	164.2	163.6	160.5
-72.5°	94.8	80.1	70.0	59.7	70.0	80.1	94.8	109.2	123.5	133.6	132.0
-75°	64.2	46.9	45.8	45.9	45.8	46.9	64.2	81.1	97.4	109.9	108.8
-77.5°	49.1	35.6	34.4	33.7	34.4	35.6	49.1	61.9	73.9	83.3	82.9
-80°	29.0	23.0	23.7	24.5	23.7	23.0	29.0	34.8	40.3	45.4	48.7
-82.5°	17.4	13.8	14.5	15.3	14.5	13.8	17.4	20.9	24.2	27.2	28.8
-85°	6.8	6.1	6.1	6.1	6.1	6.1	6.8	7.5	8.1	8.7	8.5
-87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
-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):**

	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°	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.5	1.8	2.0	2.2
85°	8.3	8.0	7.8	8.4	8.8	9.2	9.3	8.2	7.2	6.3	5.6
82.5°	30.0	30.9	31.1	29.3	27.5	25.8	24.0	20.1	16.5	13.3	10.8
80°	51.8	54.4	56.1	54.3	52.0	49.2	45.0	36.9	29.7	23.7	20.0
77.5°	82.6	82.5	81.9	79.0	76.3	74.1	69.8	57.6	45.6	35.1	29.8
75°	107.7	106.5	104.7	101.1	97.0	92.4	86.8	78.3	67.8	55.0	46.1
72.5°	130.1	127.8	124.8	121.0	116.5	112.1	106.7	99.7	91.6	82.2	74.9
70°	157.1	153.5	149.4	145.0	140.4	135.4	130.0	123.2	114.6	105.4	100.2
67.5°	188.7	183.1	178.1	171.2	165.5	159.4	156.2	150.4	142.6	133.2	126.8
65°	236.9	225.5	218.2	217.7	212.0	200.3	188.7	183.1	176.7	166.2	155.0
62.5°	311.6	305.7	290.4	276.3	266.0	258.2	243.2	227.4	215.0	204.2	189.6
60°	408.0	370.3	354.7	337.5	318.2	299.3	286.6	271.1	252.9	238.4	223.5
57.5°	607.3	533.5	490.3	442.6	390.4	361.4	340.4	316.2	295.6	275.5	256.7
55°	1017.7	911.0	797.1	665.4	542.1	487.2	426.1	378.1	348.4	314.4	292.0
52.5°	1499.5	1370.9	1227.7	1070.4	910.4	740.2	572.4	501.1	419.3	368.8	331.4
50°	1946.2	1812.5	1671.3	1516.8	1325.9	1118.6	916.3	714.6	549.8	455.7	380.6
47.5°	2369.5	2223.2	2066.5	1900.0	1724.0	1528.1	1291.3	1043.0	809.4	575.0	472.6
45°	2780.2	2622.8	2447.2	2265.9	2077.1	1876.3	1664.5	1409.6	1128.8	859.1	580.7
42.5°	3223.7	3033.6	2836.6	2634.0	2417.9	2204.3	1980.0	1741.0	1471.4	1161.7	860.3
40°	3694.3	3483.7	3258.9	3018.2	2778.3	2524.7	2282.9	2031.5	1769.2	1476.6	1136.9
37.5°	4176.9	3935.1	3690.7	3425.5	3152.1	2873.4	2591.1	2314.2	2034.0	1748.2	1419.2
35°	4678.6	4411.3	4128.4	3838.9	3530.8	3227.5	2916.4	2601.8	2295.3	1990.1	1675.6
32.5°	5184.9	4891.8	4575.0	4254.3	3920.9	3579.4	3242.3	2900.8	2550.7	2225.2	1895.9
30°	5695.2	5370.6	5025.4	4659.4	4296.2	3930.7	3559.6	3185.1	2810.2	2448.7	2107.3
27.5°	6196.3	5843.6	5468.1	5070.3	4655.0	4263.0	3864.1	3458.2	3054.5	2669.6	2303.1
25°	6690.6	6304.2	5887.7	5462.0	5026.4	4569.6	4145.8	3719.1	3294.3	2876.0	2480.2
22.5°	7182.9	6750.4	6292.4	5822.7	5365.9	4884.9	4412.0	3958.8	3515.7	3072.4	2653.4
20°	7654.4	7178.1	6684.1	6175.5	5669.6	5174.1	4665.1	4183.3	3715.3	3256.1	2814.4
17.5°	8071.0	7566.2	7046.9	6497.6	5957.4	5430.8	4904.2	4388.9	3895.9	3415.9	2960.2
15°	8455.6	7919.9	7367.7	6793.2	6219.0	5655.1	5111.0	4569.9	4057.9	3557.9	3089.6
12.5°	8804.7	8236.9	7658.1	7052.5	6450.1	5853.6	5286.8	4733.0	4199.5	3684.5	3198.7
10°	9090.0	8499.5	7898.0	7276.9	6649.5	6026.4	5432.5	4864.6	4313.5	3785.2	3289.6
7.5°	9321.7	8705.9	8081.2	7454.5	6808.2	6170.7	5554.0	4964.1	4402.5	3858.9	3361.2
5°	9502.5	8868.4	8221.4	7585.1	6922.7	6271.7	5644.7	5031.0	4464.9	3906.2	3412.6
2.5°	9626.5	8978.9	8308.6	7663.9	6997.1	6334.6	5712.3	5082.8	4509.4	3955.9	3457.7
0°	9701.7	9061.6	8374.0	7718.5	7064.6	6369.3	5758.2	5118.1	4528.5	3987.9	3481.0
-2.5°	9626.5	8978.9	8308.6	7663.9	6997.1	6334.6	5712.3	5082.8	4509.4	3955.9	3457.7
-5°	9502.5	8868.4	8221.4	7585.1	6922.7	6271.7	5644.7	5031.0	4464.9	3906.2	3412.6
-7.5°	9321.7	8705.9	8081.2	7454.5	6808.2	6170.7	5554.0	4964.1	4402.5	3858.9	3361.2
-10°	9090.0	8499.5	7898.0	7276.9	6649.5	6026.4	5432.5	4864.6	4313.5	3785.2	3289.6
-12.5°	8804.7	8236.9	7658.1	7052.5	6450.1	5853.6	5286.8	4733.0	4199.5	3684.5	3198.7
-15°	8455.6	7919.9	7367.7	6793.2	6219.0	5655.1	5111.0	4569.9	4057.9	3557.9	3089.6
-17.5°	8071.0	7566.2	7046.9	6497.6	5957.4	5430.8	4904.2	4388.9	3895.9	3415.9	2960.2
-20°	7654.4	7178.1	6684.1	6175.5	5669.6	5174.1	4665.1	4183.3	3715.3	3256.1	2814.4



REPORT NUMBER: P559019 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	7182.9	6750.4	6292.4	5822.7	5365.9	4884.9	4412.0	3958.8	3515.7	3072.4	2653.4
-25°	6690.6	6304.2	5887.7	5462.0	5026.4	4569.6	4145.8	3719.1	3294.3	2876.0	2480.2
-27.5°	6196.3	5843.6	5468.1	5070.3	4655.0	4263.0	3864.1	3458.2	3054.5	2669.6	2303.1
-30°	5695.2	5370.6	5025.4	4659.4	4296.2	3930.7	3559.6	3185.1	2810.2	2448.7	2107.3
-32.5°	5184.9	4891.8	4575.0	4254.3	3920.9	3579.4	3242.3	2900.8	2550.7	2225.2	1895.9
-35°	4678.6	4411.3	4128.4	3838.9	3530.8	3227.5	2916.4	2601.8	2295.3	1990.1	1675.6
-37.5°	4176.9	3935.1	3690.7	3425.5	3152.1	2873.4	2591.1	2314.2	2034.0	1748.2	1419.2
-40°	3694.3	3483.7	3258.9	3018.2	2778.3	2524.7	2282.9	2031.5	1769.2	1476.6	1136.9
-42.5°	3223.7	3033.6	2836.6	2634.0	2417.9	2204.3	1980.0	1741.0	1471.4	1161.7	860.3
-45°	2780.2	2622.8	2447.2	2265.9	2077.1	1876.3	1664.5	1409.6	1128.8	859.1	580.7
-47.5°	2369.5	2223.2	2066.5	1900.0	1724.0	1528.1	1291.3	1043.0	809.4	575.0	472.6
-50°	1946.2	1812.5	1671.3	1516.8	1325.9	1118.6	916.3	714.6	549.8	455.7	380.6
-52.5°	1499.5	1370.9	1227.7	1070.4	910.4	740.2	572.4	501.1	419.3	368.8	331.4
-55°	1017.7	911.0	797.1	665.4	542.1	487.2	426.1	378.1	348.4	314.4	292.0
-57.5°	607.3	533.5	490.3	442.6	390.4	361.4	340.4	316.2	295.6	275.5	256.7
-60°	408.0	370.3	354.7	337.5	318.2	299.3	286.6	271.1	252.9	238.4	223.5
-62.5°	311.6	305.7	290.4	276.3	266.0	258.2	243.2	227.4	215.0	204.2	189.6
-65°	236.9	225.5	218.2	217.7	212.0	200.3	188.7	183.1	176.7	166.2	155.0
-67.5°	188.7	183.1	178.1	171.2	165.5	159.4	156.2	150.4	142.6	133.2	126.8
-70°	157.1	153.5	149.4	145.0	140.4	135.4	130.0	123.2	114.6	105.4	100.2
-72.5°	130.1	127.8	124.8	121.0	116.5	112.1	106.7	99.7	91.6	82.2	74.9
-75°	107.7	106.5	104.7	101.1	97.0	92.4	86.8	78.3	67.8	55.0	46.1
-77.5°	82.6	82.5	81.9	79.0	76.3	74.1	69.8	57.6	45.6	35.1	29.8
-80°	51.8	54.4	56.1	54.3	52.0	49.2	45.0	36.9	29.7	23.7	20.0
-82.5°	30.0	30.9	31.1	29.3	27.5	25.8	24.0	20.1	16.5	13.3	10.8
-85°	8.3	8.0	7.8	8.4	8.8	9.2	9.3	8.2	7.2	6.3	5.6
-87.5°	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.5	1.8	2.0	2.2
-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: P559019 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	2.1	2.0	1.9	1.8	1.9	1.9	2.0	1.9	1.8	1.6	1.4
85°	5.7	5.5	5.2	4.7	4.4	3.9	3.9	3.9	3.5	3.1	2.8
82.5°	10.9	11.0	11.0	10.9	10.8	10.4	9.7	8.6	6.8	4.9	4.1
80°	22.5	23.7	23.8	22.4	19.6	17.0	16.3	15.0	12.4	9.9	7.4
77.5°	34.3	37.6	39.6	38.8	34.6	30.5	26.5	22.4	18.0	14.7	11.6
75°	47.0	51.3	54.5	54.5	50.0	44.0	38.6	33.1	26.5	19.9	15.7
72.5°	71.1	69.4	70.0	70.3	66.4	60.6	52.8	43.7	36.1	28.4	20.6
70°	95.4	89.1	84.8	84.1	82.1	77.8	70.0	58.2	45.6	36.8	28.0
67.5°	120.9	114.6	106.5	99.3	96.7	93.0	87.0	73.2	58.4	45.2	35.3
65°	147.2	139.6	131.9	121.5	113.5	108.2	102.1	87.4	70.6	55.5	42.5
62.5°	175.7	163.4	153.6	142.3	131.5	123.4	116.9	100.9	82.6	65.3	50.2
60°	207.2	191.4	175.4	162.0	149.1	137.6	128.4	114.6	95.5	74.6	57.9
57.5°	239.1	219.8	199.8	182.0	166.9	152.6	139.3	126.0	108.5	86.0	64.9
55°	271.2	249.7	224.3	202.6	184.6	168.6	151.2	136.3	120.6	97.9	70.3
52.5°	302.2	277.8	250.7	223.6	201.6	183.6	164.3	146.6	130.2	109.7	78.2
50°	340.0	304.7	276.2	246.9	218.5	197.3	176.6	157.4	139.6	120.5	85.7
47.5°	383.8	339.1	301.4	269.6	238.9	210.9	188.9	167.7	149.0	129.0	92.2
45°	471.2	378.3	330.9	293.0	258.1	227.2	201.1	177.3	157.5	132.6	97.6
42.5°	571.0	451.3	365.6	316.0	278.9	243.5	213.0	187.8	165.3	135.0	100.7
40°	811.1	542.4	412.4	346.8	299.7	258.8	226.6	198.3	172.0	136.5	101.9
37.5°	1057.8	711.7	494.6	376.7	321.8	277.4	239.3	208.4	174.9	137.9	102.2
35°	1308.2	932.9	575.1	430.7	348.4	295.5	250.9	218.4	181.3	139.3	101.7
32.5°	1545.9	1146.5	759.9	502.2	374.0	312.9	264.6	228.5	189.4	140.7	100.3
30°	1749.7	1354.0	943.0	570.4	409.6	334.6	279.8	238.0	199.2	142.1	98.9
27.5°	1935.1	1547.8	1115.1	702.7	468.4	355.4	294.1	246.9	210.3	145.6	99.2
25°	2105.7	1713.1	1281.2	847.7	523.7	375.3	307.0	255.3	219.2	153.1	99.2
22.5°	2256.3	1860.3	1433.2	979.8	573.5	394.6	321.0	266.1	225.9	161.1	99.0
20°	2391.6	1994.0	1571.3	1101.8	655.5	435.9	336.1	275.6	232.0	169.3	98.4
17.5°	2513.3	2110.2	1687.4	1217.4	753.4	472.4	349.9	284.0	237.5	177.6	97.5
15°	2632.0	2209.0	1785.9	1319.8	839.7	504.0	362.2	291.2	242.3	185.6	97.0
12.5°	2731.8	2293.4	1869.0	1408.2	913.8	530.7	373.1	297.1	246.5	192.7	96.4
10°	2811.8	2363.1	1936.7	1482.2	975.5	552.4	382.3	301.6	249.7	198.6	94.5
7.5°	2872.2	2417.7	1988.9	1541.3	1024.3	570.3	388.2	304.2	252.3	203.3	91.4
5°	2915.8	2458.8	2026.9	1585.0	1059.6	585.0	392.0	305.5	254.2	206.7	87.6
2.5°	2951.8	2487.7	2050.7	1613.0	1081.1	595.1	393.8	305.7	255.4	208.4	83.0
0°	2969.5	2500.9	2059.8	1624.9	1088.9	600.3	393.6	304.8	255.8	208.3	78.1
-2.5°	2951.8	2487.7	2050.7	1613.0	1081.1	595.1	393.8	305.7	255.4	208.4	83.0
-5°	2915.8	2458.8	2026.9	1585.0	1059.6	585.0	392.0	305.5	254.2	206.7	87.6
-7.5°	2872.2	2417.7	1988.9	1541.3	1024.3	570.3	388.2	304.2	252.3	203.3	91.4
-10°	2811.8	2363.1	1936.7	1482.2	975.5	552.4	382.3	301.6	249.7	198.6	94.5
-12.5°	2731.8	2293.4	1869.0	1408.2	913.8	530.7	373.1	297.1	246.5	192.7	96.4
-15°	2632.0	2209.0	1785.9	1319.8	839.7	504.0	362.2	291.2	242.3	185.6	97.0
-17.5°	2513.3	2110.2	1687.4	1217.4	753.4	472.4	349.9	284.0	237.5	177.6	97.5
-20°	2391.6	1994.0	1571.3	1101.8	655.5	435.9	336.1	275.6	232.0	169.3	98.4



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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°	2256.3	1860.3	1433.2	979.8	573.5	394.6	321.0	266.1	225.9	161.1	99.0
-25°	2105.7	1713.1	1281.2	847.7	523.7	375.3	307.0	255.3	219.2	153.1	99.2
-27.5°	1935.1	1547.8	1115.1	702.7	468.4	355.4	294.1	246.9	210.3	145.6	99.2
-30°	1749.7	1354.0	943.0	570.4	409.6	334.6	279.8	238.0	199.2	142.1	98.9
-32.5°	1545.9	1146.5	759.9	502.2	374.0	312.9	264.6	228.5	189.4	140.7	100.3
-35°	1308.2	932.9	575.1	430.7	348.4	295.5	250.9	218.4	181.3	139.3	101.7
-37.5°	1057.8	711.7	494.6	376.7	321.8	277.4	239.3	208.4	174.9	137.9	102.2
-40°	811.1	542.4	412.4	346.8	299.7	258.8	226.6	198.3	172.0	136.5	101.9
-42.5°	571.0	451.3	365.6	316.0	278.9	243.5	213.0	187.8	165.3	135.0	100.7
-45°	471.2	378.3	330.9	293.0	258.1	227.2	201.1	177.3	157.5	132.6	97.6
-47.5°	383.8	339.1	301.4	269.6	238.9	210.9	188.9	167.7	149.0	129.0	92.2
-50°	340.0	304.7	276.2	246.9	218.5	197.3	176.6	157.4	139.6	120.5	85.7
-52.5°	302.2	277.8	250.7	223.6	201.6	183.6	164.3	146.6	130.2	109.7	78.2
-55°	271.2	249.7	224.3	202.6	184.6	168.6	151.2	136.3	120.6	97.9	70.3
-57.5°	239.1	219.8	199.8	182.0	166.9	152.6	139.3	126.0	108.5	86.0	64.9
-60°	207.2	191.4	175.4	162.0	149.1	137.6	128.4	114.6	95.5	74.6	57.9
-62.5°	175.7	163.4	153.6	142.3	131.5	123.4	116.9	100.9	82.6	65.3	50.2
-65°	147.2	139.6	131.9	121.5	113.5	108.2	102.1	87.4	70.6	55.5	42.5
-67.5°	120.9	114.6	106.5	99.3	96.7	93.0	87.0	73.2	58.4	45.2	35.3
-70°	95.4	89.1	84.8	84.1	82.1	77.8	70.0	58.2	45.6	36.8	28.0
-72.5°	71.1	69.4	70.0	70.3	66.4	60.6	52.8	43.7	36.1	28.4	20.6
-75°	47.0	51.3	54.5	54.5	50.0	44.0	38.6	33.1	26.5	19.9	15.7
-77.5°	34.3	37.6	39.6	38.8	34.6	30.5	26.5	22.4	18.0	14.7	11.6
-80°	22.5	23.7	23.8	22.4	19.6	17.0	16.3	15.0	12.4	9.9	7.4
-82.5°	10.9	11.0	11.0	10.9	10.8	10.4	9.7	8.6	6.8	4.9	4.1
-85°	5.7	5.5	5.2	4.7	4.4	3.9	3.9	3.9	3.5	3.1	2.8
-87.5°	2.1	2.0	1.9	1.8	1.9	1.9	2.0	1.9	1.8	1.6	1.4
-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°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
85°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
82.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
80°	5.0	4.0	3.2	2.4	1.6	0.8	0.0
77.5°	8.5	5.5	4.0	3.0	2.0	1.0	0.0
75°	11.8	7.9	4.9	3.6	2.4	1.2	0.0
72.5°	15.0	10.2	6.5	4.1	2.8	1.4	0.0
70°	18.5	12.5	8.0	4.8	3.1	1.6	0.0
67.5°	24.1	14.7	9.5	5.7	3.5	1.8	0.0
65°	29.4	17.5	10.9	6.6	3.9	1.9	0.0
62.5°	34.3	21.0	12.2	7.4	4.2	2.1	0.0
60°	38.8	24.2	13.5	8.2	4.6	2.3	0.0
57.5°	43.3	27.0	15.3	8.9	5.0	2.5	0.0
55°	47.3	29.6	17.1	9.6	5.5	2.6	0.0
52.5°	50.8	31.9	18.6	10.2	5.9	2.8	0.0
50°	53.7	34.0	19.9	10.8	6.3	3.0	0.0
47.5°	56.3	35.6	21.0	11.3	6.7	3.1	0.0
45°	60.9	36.9	21.8	11.9	7.1	3.3	0.0
42.5°	64.7	37.8	22.4	12.4	7.5	3.4	0.0
40°	67.7	38.2	22.8	13.0	7.8	3.5	0.0
37.5°	70.0	38.2	23.0	13.6	8.2	3.6	0.0
35°	71.5	39.0	22.9	14.2	8.5	3.8	0.0
32.5°	71.8	40.1	22.6	14.8	8.8	3.9	0.0
30°	70.5	40.6	22.0	15.3	9.1	4.0	0.0
27.5°	68.6	40.6	22.6	15.8	9.3	4.1	0.0
25°	66.1	40.1	23.3	16.2	9.6	4.2	0.0
22.5°	63.1	40.1	23.9	16.6	9.8	4.2	0.0
20°	59.6	42.0	24.5	17.0	10.0	4.3	0.0
17.5°	59.0	43.7	25.1	17.3	10.1	4.4	0.0
15°	60.2	45.1	25.6	17.6	10.3	4.4	0.0
12.5°	61.2	46.3	26.1	17.8	10.4	4.5	0.0
10°	62.1	47.3	26.5	18.0	10.5	4.5	0.0
7.5°	62.9	48.0	26.9	18.2	10.6	4.6	0.0
5°	63.6	48.6	27.2	18.3	10.7	4.6	0.0
2.5°	64.0	48.9	27.4	18.4	10.7	4.6	0.0
0°	64.3	49.0	27.6	18.4	10.7	4.6	0.0
-2.5°	64.0	48.9	27.4	18.4	10.7	4.6	0.0
-5°	63.6	48.6	27.2	18.3	10.7	4.6	0.0
-7.5°	62.9	48.0	26.9	18.2	10.6	4.6	0.0
-10°	62.1	47.3	26.5	18.0	10.5	4.5	0.0
-12.5°	61.2	46.3	26.1	17.8	10.4	4.5	0.0
-15°	60.2	45.1	25.6	17.6	10.3	4.4	0.0
-17.5°	59.0	43.7	25.1	17.3	10.1	4.4	0.0
-20°	59.6	42.0	24.5	17.0	10.0	4.3	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	63.1	40.1	23.9	16.6	9.8	4.2	0.0
-25°	66.1	40.1	23.3	16.2	9.6	4.2	0.0
-27.5°	68.6	40.6	22.6	15.8	9.3	4.1	0.0
-30°	70.5	40.6	22.0	15.3	9.1	4.0	0.0
-32.5°	71.8	40.1	22.6	14.8	8.8	3.9	0.0
-35°	71.5	39.0	22.9	14.2	8.5	3.8	0.0
-37.5°	70.0	38.2	23.0	13.6	8.2	3.6	0.0
-40°	67.7	38.2	22.8	13.0	7.8	3.5	0.0
-42.5°	64.7	37.8	22.4	12.4	7.5	3.4	0.0
-45°	60.9	36.9	21.8	11.9	7.1	3.3	0.0
-47.5°	56.3	35.6	21.0	11.3	6.7	3.1	0.0
-50°	53.7	34.0	19.9	10.8	6.3	3.0	0.0
-52.5°	50.8	31.9	18.6	10.2	5.9	2.8	0.0
-55°	47.3	29.6	17.1	9.6	5.5	2.6	0.0
-57.5°	43.3	27.0	15.3	8.9	5.0	2.5	0.0
-60°	38.8	24.2	13.5	8.2	4.6	2.3	0.0
-62.5°	34.3	21.0	12.2	7.4	4.2	2.1	0.0
-65°	29.4	17.5	10.9	6.6	3.9	1.9	0.0
-67.5°	24.1	14.7	9.5	5.7	3.5	1.8	0.0
-70°	18.5	12.5	8.0	4.8	3.1	1.6	0.0
-72.5°	15.0	10.2	6.5	4.1	2.8	1.4	0.0
-75°	11.8	7.9	4.9	3.6	2.4	1.2	0.0
-77.5°	8.5	5.5	4.0	3.0	2.0	1.0	0.0
-80°	5.0	4.0	3.2	2.4	1.6	0.8	0.0
-82.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-85°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
-87.5°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)