

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: P559129 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-940-U-TSB-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559129 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/20/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GFLD-SA5E-940-U-TSB-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, TIGHT SPOT BAFFLE N1  
Light Source: (80) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

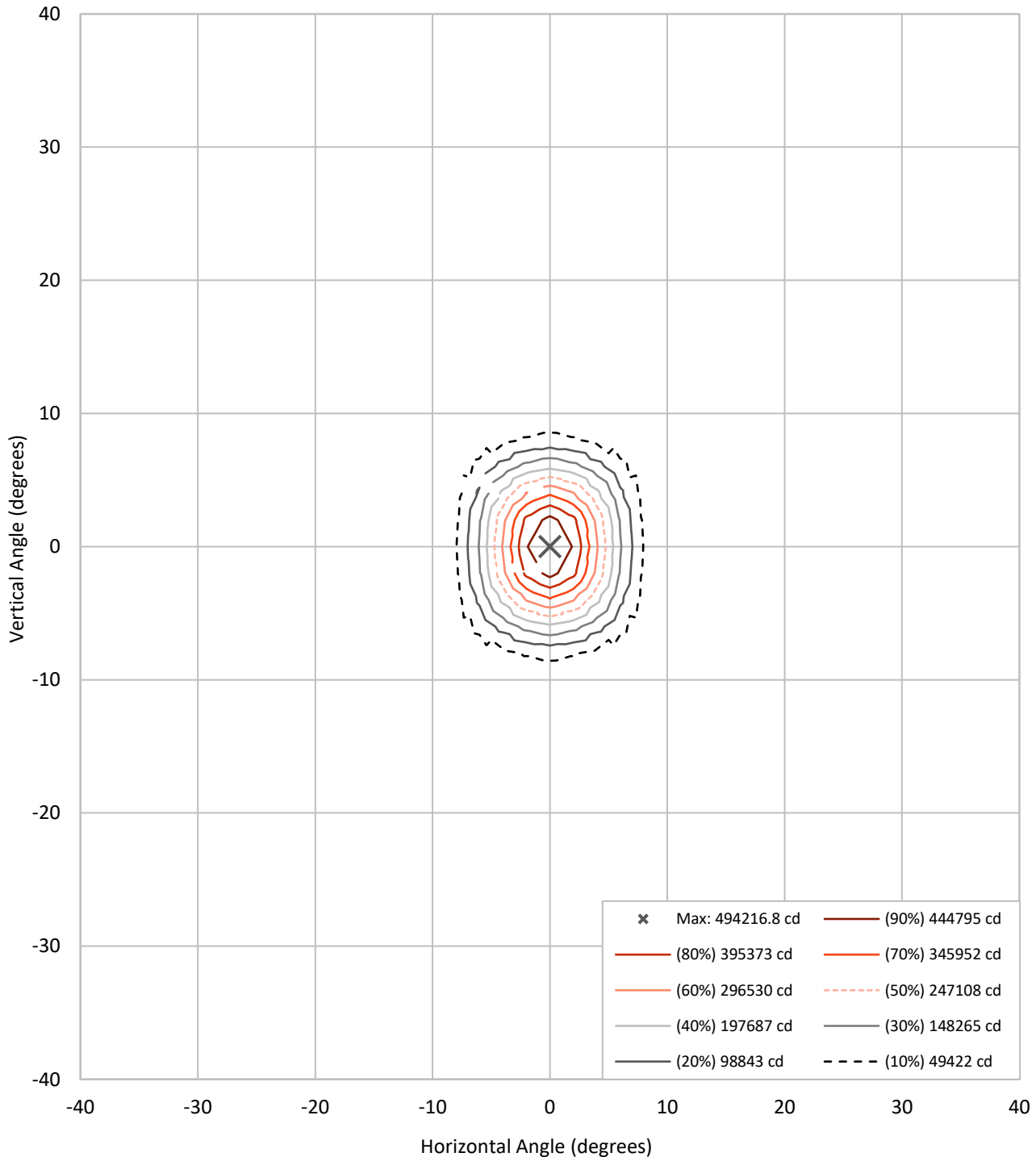
Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	19245.8 lumens	Max Intensity:	494216.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	62.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	9.3°H x 10.4°V	Field Angle (10%):	15.7°H x 17.1°V
Beam Lumens:	8249.1 lumens	Field Lumens:	14217.2 lumens
Beam Efficiency:	42.9%	Field Efficiency:	73.9%

Input Watts (W): 307  
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





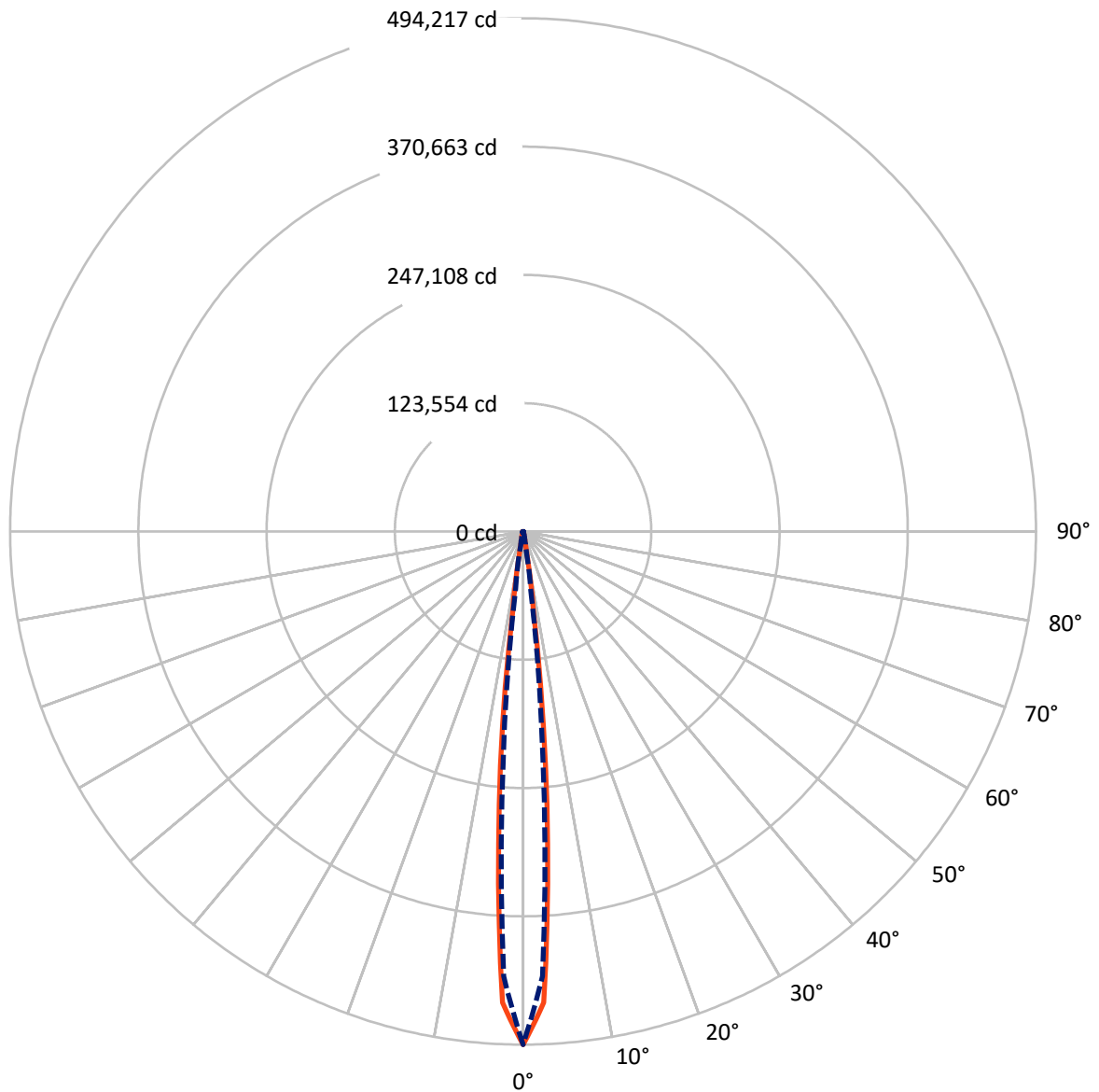
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### Lumen Table

90	0.1	0.6	2.0	4.6	7.9	4.6	2.0	0.6	0.1							
80	0.1	0.6	2.0	4.6	7.9	4.6	2.0	0.6	0.1							
70	0.3	0.4	1.0	2.1	3.3	4.2	6.8	12.0	12.0	6.8	4.2	3.3	2.1	1.0	0.4	0.3
60		0.8	1.9	3.9	6.3	8.5	11.5	15.5	15.5	11.5	8.5	6.3	3.9	1.9	0.8	
50	1.0	1.3	3.0	6.2	10.9	16.3	20.9	25.0	25.0	20.9	16.3	10.9	6.2	3.0	1.3	1.0
40		2.1	4.3	9.4	16.9	22.8	25.8	27.3	27.3	25.8	22.8	16.9	9.4	4.3	2.1	
30	1.9	3.1	5.9	13.2	20.7	24.8	33.8	44.4	44.4	33.8	24.8	20.7	13.2	5.9	3.1	1.9
20		4.2	8.2	16.8	22.9	32.6	66.1	132.2	132.2	66.1	32.6	22.9	16.8	8.2	4.2	
10	2.2	4.7	9.8	18.7	23.8	41.8	130.7	3866.8	3866.8	130.7	41.8	23.8	18.7	9.8	4.7	2.2
0		4.7	9.8	18.7	23.8	41.8	130.7	3866.8	3866.8	130.7	41.8	23.8	18.7	9.8	4.7	
-10	1.9	4.2	8.2	16.8	22.9	32.6	66.1	132.2	132.2	66.1	32.6	22.9	16.8	8.2	4.2	1.9
-20		3.1	5.9	13.2	20.7	24.8	33.8	44.4	44.4	33.8	24.8	20.7	13.2	5.9	3.1	
-30	1.0	2.1	4.3	9.4	16.9	22.8	25.8	27.3	27.3	25.8	22.8	16.9	9.4	4.3	2.1	1.0
-40		1.3	3.0	6.2	10.9	16.3	20.9	25.0	25.0	20.9	16.3	10.9	6.2	3.0	1.3	
-50	0.3	0.8	1.9	3.9	6.3	8.5	11.5	15.5	15.5	11.5	8.5	6.3	3.9	1.9	0.8	0.3
-60		0.4	1.0	2.1	3.3	4.2	6.8	12.0	12.0	6.8	4.2	3.3	2.1	1.0	0.4	
-70	0.1	0.6	2.0	4.6	7.9	4.6	2.0	0.6	0.1							
-80		0.1	0.6	2.0	4.6	7.9	4.6	2.0	0.6	0.1						
-90	0.1	0.6	2.0	4.6	7.9	4.6	2.0	0.6	0.1							

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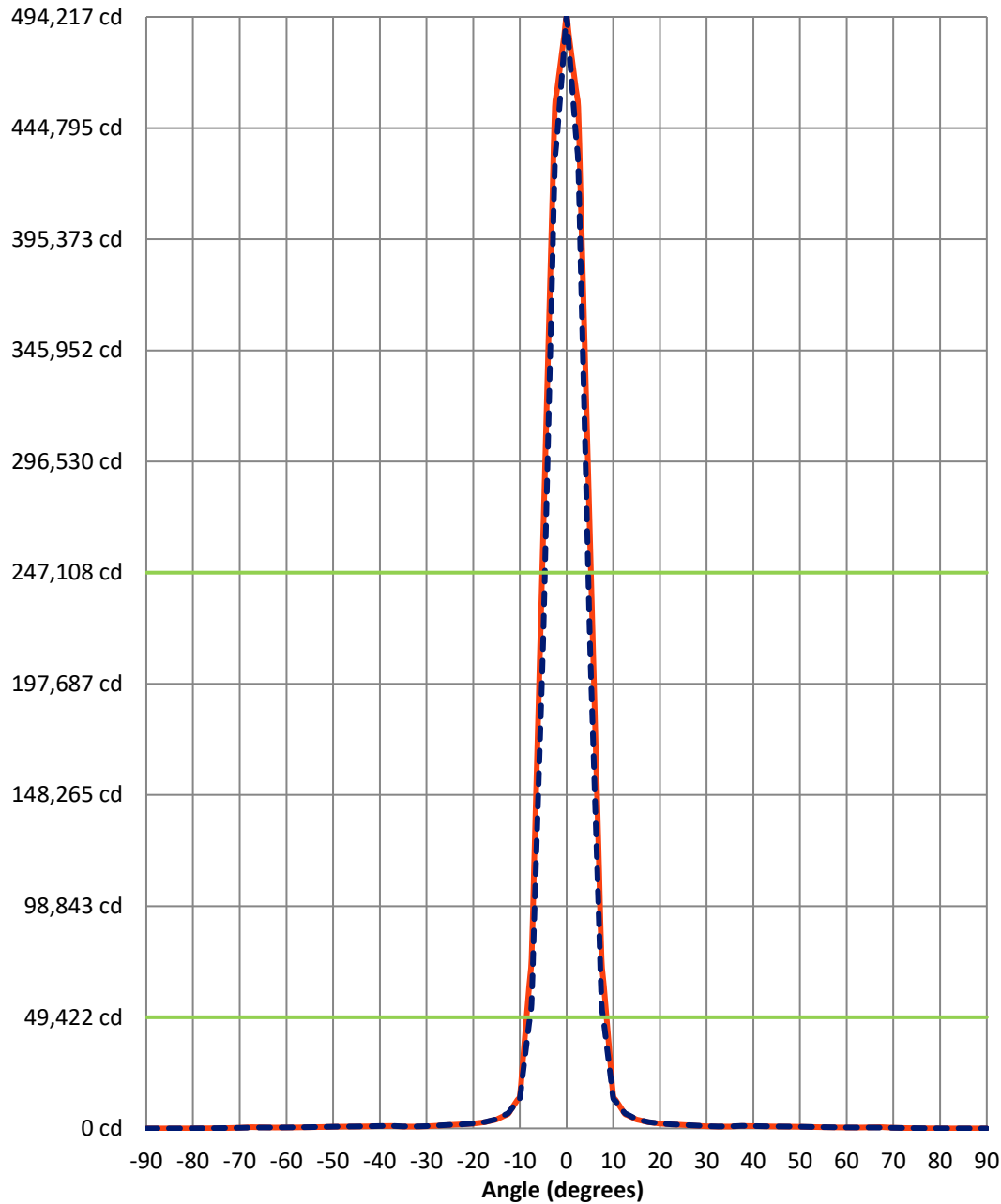
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 9.3°  
V Angle: 10.4°  
Lumens: 8249.1  
Efficiency: 42.9%

**Field:**  
H Angle: 15.7°  
V Angle: 17.1°  
Lumens: 14217.2  
Efficiency: 73.9%

**Spill:**  
Lumens: 5028.6  
Efficiency: 26.1%

- Vertical Distribution through 0-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	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.4
85°	0.0	0.5	1.0	1.5	1.9	2.4	2.9	3.4	3.8	4.3	4.7
82.5°	0.0	0.7	1.5	2.2	2.9	3.6	4.3	5.0	5.6	5.6	5.6
80°	0.0	1.0	1.9	2.9	3.9	4.8	5.6	5.6	5.6	5.6	5.6
77.5°	0.0	1.2	2.4	3.6	4.8	5.6	5.6	5.6	5.6	5.6	6.2
75°	0.0	1.4	2.9	4.3	5.6	5.6	5.6	5.6	5.8	7.4	8.6
72.5°	0.0	1.7	3.4	5.0	5.6	5.6	5.6	6.2	8.2	9.8	11.0
70°	0.0	1.9	3.8	5.6	5.6	5.6	5.9	8.5	10.7	12.4	15.4
67.5°	0.0	2.1	4.3	5.6	5.6	5.6	8.0	10.8	13.2	16.9	20.2
65°	0.0	2.4	4.7	5.6	5.6	6.5	10.1	13.2	17.4	21.5	25.8
62.5°	0.0	2.6	5.2	5.6	5.6	8.4	12.3	16.6	21.7	26.6	33.1
60°	0.0	2.8	5.6	5.6	5.6	10.3	14.4	20.4	25.9	33.6	40.5
57.5°	0.0	3.0	5.6	5.6	7.1	12.1	18.0	24.3	32.0	40.7	49.0
55°	0.0	3.2	5.7	5.6	8.6	14.0	21.9	28.4	38.6	48.2	58.1
52.5°	0.0	3.4	5.7	5.6	10.1	16.1	25.8	34.7	45.1	56.9	67.4
50°	0.0	3.6	5.8	5.6	11.5	19.6	29.9	41.5	52.2	65.7	78.7
47.5°	0.0	3.8	5.9	5.9	13.0	23.1	34.3	48.5	60.2	74.6	90.6
45°	0.0	4.0	5.9	6.9	14.4	26.7	40.6	55.7	69.8	85.8	102.9
42.5°	0.0	4.1	6.0	8.0	15.8	30.3	47.0	64.0	79.9	97.3	117.4
40°	0.0	4.3	6.1	9.0	17.9	33.8	53.4	73.0	91.0	109.2	132.8
37.5°	0.0	4.4	6.2	9.9	20.6	37.4	60.0	82.3	103.5	124.3	148.7
35°	0.0	4.6	6.4	10.8	23.3	42.0	66.5	91.6	116.3	141.7	164.0
32.5°	0.0	4.7	6.5	11.5	25.9	47.2	73.4	101.2	129.1	159.8	183.3
30°	0.0	4.8	6.6	12.2	28.5	52.2	81.1	111.0	142.1	178.5	205.1
27.5°	0.0	5.0	6.8	12.8	30.2	57.2	88.7	121.7	156.1	197.7	229.1
25°	0.0	5.1	6.9	13.3	31.4	62.0	96.1	132.2	171.8	217.7	254.9
22.5°	0.0	5.2	7.1	13.7	32.4	65.8	103.5	142.5	187.6	238.7	276.8
20°	0.0	5.3	7.2	14.0	33.2	67.2	110.6	152.6	203.2	260.7	298.4
17.5°	0.0	5.3	7.4	14.2	33.7	68.1	114.4	162.3	218.7	283.2	319.6
15°	0.0	5.4	7.5	14.4	33.9	68.5	115.7	169.3	233.7	306.0	340.4
12.5°	0.0	5.5	7.7	14.5	33.9	68.4	116.6	172.9	243.5	328.8	360.8
10°	0.0	5.5	7.8	14.5	33.6	67.9	116.9	176.2	248.4	337.5	375.2
7.5°	0.0	5.6	8.0	14.5	33.2	66.9	116.6	178.9	252.1	342.8	377.7
5°	0.0	5.6	8.1	14.4	32.6	65.6	115.8	180.9	254.5	346.4	379.8
2.5°	0.0	5.6	8.3	14.3	31.8	63.9	114.5	182.2	255.7	348.3	381.4
0°	0.0	5.6	8.4	14.1	30.9	61.9	112.5	182.7	255.8	348.6	382.4
-2.5°	0.0	5.6	8.3	14.3	31.8	63.9	114.5	182.2	255.7	348.3	381.4
-5°	0.0	5.6	8.1	14.4	32.6	65.6	115.8	180.9	254.5	346.4	379.8
-7.5°	0.0	5.6	8.0	14.5	33.2	66.9	116.6	178.9	252.1	342.8	377.7
-10°	0.0	5.5	7.8	14.5	33.6	67.9	116.9	176.2	248.4	337.5	375.2
-12.5°	0.0	5.5	7.7	14.5	33.9	68.4	116.6	172.9	243.5	328.8	360.8
-15°	0.0	5.4	7.5	14.4	33.9	68.5	115.7	169.3	233.7	306.0	340.4
-17.5°	0.0	5.3	7.4	14.2	33.7	68.1	114.4	162.3	218.7	283.2	319.6
-20°	0.0	5.3	7.2	14.0	33.2	67.2	110.6	152.6	203.2	260.7	298.4



REPORT NUMBER: P559129 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-U-TSB-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.2	7.1	13.7	32.4	65.8	103.5	142.5	187.6	238.7	276.8
-25°	0.0	5.1	6.9	13.3	31.4	62.0	96.1	132.2	171.8	217.7	254.9
-27.5°	0.0	5.0	6.8	12.8	30.2	57.2	88.7	121.7	156.1	197.7	229.1
-30°	0.0	4.8	6.6	12.2	28.5	52.2	81.1	111.0	142.1	178.5	205.1
-32.5°	0.0	4.7	6.5	11.5	25.9	47.2	73.4	101.2	129.1	159.8	183.3
-35°	0.0	4.6	6.4	10.8	23.3	42.0	66.5	91.6	116.3	141.7	164.0
-37.5°	0.0	4.4	6.2	9.9	20.6	37.4	60.0	82.3	103.5	124.3	148.7
-40°	0.0	4.3	6.1	9.0	17.9	33.8	53.4	73.0	91.0	109.2	132.8
-42.5°	0.0	4.1	6.0	8.0	15.8	30.3	47.0	64.0	79.9	97.3	117.4
-45°	0.0	4.0	5.9	6.9	14.4	26.7	40.6	55.7	69.8	85.8	102.9
-47.5°	0.0	3.8	5.9	5.9	13.0	23.1	34.3	48.5	60.2	74.6	90.6
-50°	0.0	3.6	5.8	5.6	11.5	19.6	29.9	41.5	52.2	65.7	78.7
-52.5°	0.0	3.4	5.7	5.6	10.1	16.1	25.8	34.7	45.1	56.9	67.4
-55°	0.0	3.2	5.7	5.6	8.6	14.0	21.9	28.4	38.6	48.2	58.1
-57.5°	0.0	3.0	5.6	5.6	7.1	12.1	18.0	24.3	32.0	40.7	49.0
-60°	0.0	2.8	5.6	5.6	5.6	10.3	14.4	20.4	25.9	33.6	40.5
-62.5°	0.0	2.6	5.2	5.6	5.6	8.4	12.3	16.6	21.7	26.6	33.1
-65°	0.0	2.4	4.7	5.6	5.6	6.5	10.1	13.2	17.4	21.5	25.8
-67.5°	0.0	2.1	4.3	5.6	5.6	5.6	8.0	10.8	13.2	16.9	20.2
-70°	0.0	1.9	3.8	5.6	5.6	5.6	5.9	8.5	10.7	12.4	15.4
-72.5°	0.0	1.7	3.4	5.0	5.6	5.6	5.6	6.2	8.2	9.8	11.0
-75°	0.0	1.4	2.9	4.3	5.6	5.6	5.6	5.6	5.8	7.4	8.6
-77.5°	0.0	1.2	2.4	3.6	4.8	5.6	5.6	5.6	5.6	5.6	6.2
-80°	0.0	1.0	1.9	2.9	3.9	4.8	5.6	5.6	5.6	5.6	5.6
-82.5°	0.0	0.7	1.5	2.2	2.9	3.6	4.3	5.0	5.6	5.6	5.6
-85°	0.0	0.5	1.0	1.5	1.9	2.4	2.9	3.4	3.8	4.3	4.7
-87.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.4
-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):**

	-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°	2.3	2.1	1.9	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2
85°	4.5	4.2	3.7	3.2	3.4	3.6	3.8	4.0	4.1	4.3	4.4
82.5°	5.2	4.9	4.8	4.8	5.1	5.4	5.7	6.3	6.8	7.3	7.7
80°	5.5	5.6	6.4	7.2	8.0	8.8	9.5	10.2	10.9	11.9	13.4
77.5°	7.2	8.3	9.4	10.4	11.6	13.8	15.6	17.2	19.1	21.4	23.8
75°	9.8	11.1	13.8	16.9	19.8	22.0	24.0	27.1	30.8	34.9	38.9
72.5°	13.5	16.9	20.6	24.6	29.3	33.3	37.1	40.8	46.8	53.5	58.4
70°	18.6	22.7	28.5	34.9	41.0	46.3	53.9	63.0	72.3	77.0	79.8
67.5°	23.9	30.7	37.8	45.4	53.8	62.6	73.2	83.1	92.5	96.3	99.9
65°	31.1	38.7	47.5	56.8	66.5	77.1	87.9	99.0	108.8	113.9	119.6
62.5°	38.4	47.4	57.5	68.0	78.8	90.2	103.3	114.5	122.9	133.1	144.9
60°	47.1	56.1	67.6	79.3	91.7	107.5	120.7	133.1	144.5	156.0	173.8
57.5°	56.3	65.1	77.8	91.6	108.6	126.7	141.7	155.1	170.8	187.2	205.3
55°	66.4	74.3	88.6	105.7	125.1	146.7	164.3	182.6	200.8	215.5	231.5
52.5°	77.9	85.1	100.1	119.8	142.4	166.6	190.0	209.1	225.9	242.1	260.2
50°	90.0	99.1	111.3	134.9	160.1	187.4	214.0	233.2	252.4	271.3	291.7
47.5°	104.0	114.2	124.5	149.9	178.4	206.4	234.0	258.5	279.7	305.0	328.4
45°	119.3	131.3	142.3	165.9	195.2	223.8	254.3	283.8	313.6	343.5	380.9
42.5°	135.5	148.6	162.6	180.9	210.2	241.8	274.5	313.8	351.6	393.2	441.8
40°	151.2	165.7	182.5	199.0	225.0	260.2	300.1	344.1	397.5	451.3	510.1
37.5°	166.6	183.3	201.3	218.4	241.4	281.0	325.0	381.2	445.5	513.5	588.4
35°	181.6	200.1	218.5	238.7	264.5	302.9	357.3	421.0	498.0	584.0	652.5
32.5°	196.4	216.2	234.9	259.3	291.0	330.4	388.3	468.5	557.4	644.6	690.5
30°	214.8	230.8	251.2	278.7	317.0	367.1	429.9	516.5	617.6	677.1	719.7
27.5°	239.4	245.2	268.3	300.4	343.6	403.2	481.4	571.3	654.9	707.2	745.3
25°	263.7	269.7	284.2	322.3	375.6	446.0	533.7	636.2	685.9	730.0	774.2
22.5°	286.9	293.2	311.5	343.0	406.6	489.5	591.5	681.2	728.5	756.6	804.4
20°	308.7	318.4	340.9	377.4	438.4	530.7	647.5	722.9	767.9	801.6	845.7
17.5°	329.7	343.1	370.7	415.0	483.1	576.9	698.4	764.4	808.3	840.9	895.6
15°	350.0	367.1	399.4	450.2	524.7	626.4	732.4	798.4	845.7	877.8	941.6
12.5°	369.7	390.5	426.7	483.0	562.3	669.6	761.2	820.4	867.6	916.6	982.6
10°	388.8	413.2	452.8	513.3	595.8	706.8	785.3	838.1	885.2	947.6	1016.4
7.5°	391.7	424.6	474.2	541.3	625.6	738.4	805.1	851.8	903.0	976.0	1047.1
5°	391.7	423.7	475.8	548.5	639.7	756.9	819.0	862.2	920.2	1001.3	1074.4
2.5°	391.4	421.8	476.2	550.9	643.3	758.9	821.1	865.0	930.1	1026.1	1099.6
0°	390.8	418.9	475.1	551.1	643.8	756.3	821.0	865.9	936.2	1048.7	1121.8
-2.5°	391.4	421.8	476.2	550.9	643.3	758.9	821.1	865.0	930.1	1026.1	1099.6
-5°	391.7	423.7	475.8	548.5	639.7	756.9	819.0	862.2	920.2	1001.3	1074.4
-7.5°	391.7	424.6	474.2	541.3	625.6	738.4	805.1	851.8	903.0	976.0	1047.1
-10°	388.8	413.2	452.8	513.3	595.8	706.8	785.3	838.1	885.2	947.6	1016.4
-12.5°	369.7	390.5	426.7	483.0	562.3	669.6	761.2	820.4	867.6	916.6	982.6
-15°	350.0	367.1	399.4	450.2	524.7	626.4	732.4	798.4	845.7	877.8	941.6
-17.5°	329.7	343.1	370.7	415.0	483.1	576.9	698.4	764.4	808.3	840.9	895.6
-20°	308.7	318.4	340.9	377.4	438.4	530.7	647.5	722.9	767.9	801.6	845.7



REPORT NUMBER: P559129 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-U-TSB-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	286.9	293.2	311.5	343.0	406.6	489.5	591.5	681.2	728.5	756.6	804.4
-25°	263.7	269.7	284.2	322.3	375.6	446.0	533.7	636.2	685.9	730.0	774.2
-27.5°	239.4	245.2	268.3	300.4	343.6	403.2	481.4	571.3	654.9	707.2	745.3
-30°	214.8	230.8	251.2	278.7	317.0	367.1	429.9	516.5	617.6	677.1	719.7
-32.5°	196.4	216.2	234.9	259.3	291.0	330.4	388.3	468.5	557.4	644.6	690.5
-35°	181.6	200.1	218.5	238.7	264.5	302.9	357.3	421.0	498.0	584.0	652.5
-37.5°	166.6	183.3	201.3	218.4	241.4	281.0	325.0	381.2	445.5	513.5	588.4
-40°	151.2	165.7	182.5	199.0	225.0	260.2	300.1	344.1	397.5	451.3	510.1
-42.5°	135.5	148.6	162.6	180.9	210.2	241.8	274.5	313.8	351.6	393.2	441.8
-45°	119.3	131.3	142.3	165.9	195.2	223.8	254.3	283.8	313.6	343.5	380.9
-47.5°	104.0	114.2	124.5	149.9	178.4	206.4	234.0	258.5	279.7	305.0	328.4
-50°	90.0	99.1	111.3	134.9	160.1	187.4	214.0	233.2	252.4	271.3	291.7
-52.5°	77.9	85.1	100.1	119.8	142.4	166.6	190.0	209.1	225.9	242.1	260.2
-55°	66.4	74.3	88.6	105.7	125.1	146.7	164.3	182.6	200.8	215.5	231.5
-57.5°	56.3	65.1	77.8	91.6	108.6	126.7	141.7	155.1	170.8	187.2	205.3
-60°	47.1	56.1	67.6	79.3	91.7	107.5	120.7	133.1	144.5	156.0	173.8
-62.5°	38.4	47.4	57.5	68.0	78.8	90.2	103.3	114.5	122.9	133.1	144.9
-65°	31.1	38.7	47.5	56.8	66.5	77.1	87.9	99.0	108.8	113.9	119.6
-67.5°	23.9	30.7	37.8	45.4	53.8	62.6	73.2	83.1	92.5	96.3	99.9
-70°	18.6	22.7	28.5	34.9	41.0	46.3	53.9	63.0	72.3	77.0	79.8
-72.5°	13.5	16.9	20.6	24.6	29.3	33.3	37.1	40.8	46.8	53.5	58.4
-75°	9.8	11.1	13.8	16.9	19.8	22.0	24.0	27.1	30.8	34.9	38.9
-77.5°	7.2	8.3	9.4	10.4	11.6	13.8	15.6	17.2	19.1	21.4	23.8
-80°	5.5	5.6	6.4	7.2	8.0	8.8	9.5	10.2	10.9	11.9	13.4
-82.5°	5.2	4.9	4.8	4.8	5.1	5.4	5.7	6.3	6.8	7.3	7.7
-85°	4.5	4.2	3.7	3.2	3.4	3.6	3.8	4.0	4.1	4.3	4.4
-87.5°	2.3	2.1	1.9	1.6	1.7	1.8	1.9	2.0	2.1	2.1	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: P559129 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-U-TSB-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°	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8
85°	4.6	4.7	4.8	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.5
82.5°	8.1	8.6	8.9	9.3	9.6	9.9	10.2	10.4	10.6	10.8	10.9
80°	15.0	16.2	17.1	17.8	18.3	20.3	22.7	25.3	28.0	29.0	29.7
77.5°	26.8	28.7	30.0	30.9	31.6	35.9	41.6	47.5	53.5	56.7	59.3
75°	42.7	45.1	46.5	47.6	48.3	55.0	65.0	75.4	86.3	91.9	96.0
72.5°	61.7	63.7	65.2	66.5	67.3	77.3	95.3	114.8	135.7	148.4	157.6
70°	82.2	84.5	86.3	87.8	88.9	100.8	126.9	154.3	182.5	210.8	240.9
67.5°	104.0	108.6	111.1	112.5	114.0	124.1	152.0	177.6	201.4	252.5	333.0
65°	127.7	138.5	143.0	145.6	146.6	151.2	175.0	196.4	215.8	255.6	317.0
62.5°	157.9	172.2	178.8	181.7	183.4	183.7	203.1	221.1	237.6	262.5	301.5
60°	190.5	206.0	214.0	216.3	217.7	218.3	233.8	251.6	268.1	288.3	324.7
57.5°	220.4	234.8	246.8	251.5	255.3	257.9	271.6	292.4	312.0	332.3	371.4
55°	248.8	266.3	283.0	292.2	300.8	308.4	321.8	348.2	373.3	397.0	437.7
52.5°	279.8	302.3	324.5	341.2	357.5	371.8	386.3	420.4	454.0	485.6	525.1
50°	316.9	344.6	377.0	404.3	427.7	450.8	471.5	511.9	557.4	600.5	642.0
47.5°	363.9	400.5	441.8	480.7	512.5	548.3	580.6	622.2	662.4	702.5	736.9
45°	421.6	472.2	519.9	571.5	616.9	640.5	659.3	685.2	726.5	765.9	798.0
42.5°	495.4	554.3	613.1	651.4	680.5	699.7	713.4	727.0	770.3	808.4	839.4
40°	577.4	636.7	672.8	704.3	724.4	741.5	763.0	784.1	818.1	857.1	891.7
37.5°	648.5	686.6	718.4	743.0	767.4	790.2	821.1	851.5	883.8	927.6	959.7
35°	692.4	725.7	758.0	789.0	820.2	855.2	893.8	938.5	978.1	942.1	890.0
32.5°	725.8	760.0	799.1	846.8	889.9	937.6	986.0	908.3	828.6	797.5	803.9
30°	754.9	794.6	848.4	910.8	970.6	949.2	843.1	806.0	816.9	838.8	880.8
27.5°	786.1	835.6	901.0	977.8	930.7	813.2	819.4	840.9	913.7	975.5	1069.2
25°	822.9	882.8	964.0	928.5	820.8	831.9	886.4	968.6	1107.3	1236.7	1349.8
22.5°	867.3	943.6	954.3	820.9	835.5	906.7	1017.3	1195.4	1363.9	1520.2	1636.9
20°	912.5	1000.4	865.2	837.0	899.5	1026.7	1232.1	1436.5	1624.5	1764.4	1881.2
17.5°	966.5	935.4	839.7	869.8	996.3	1216.0	1447.1	1663.8	1841.2	2082.9	2288.7
15°	1013.8	872.9	855.1	954.1	1144.5	1391.8	1642.8	1837.5	2157.9	2504.4	2854.7
12.5°	986.7	850.7	882.7	1029.3	1279.6	1546.8	1768.7	2076.9	2500.9	3006.8	3767.2
10°	946.5	863.2	941.3	1133.2	1395.2	1655.5	1886.1	2289.9	2849.5	3778.8	4976.0
7.5°	915.4	868.6	980.1	1213.0	1481.1	1721.0	2028.5	2518.2	3298.2	4573.1	7122.2
5°	891.9	868.4	997.8	1259.2	1532.1	1766.4	2116.4	2684.3	3737.8	5554.3	9910.2
2.5°	881.4	863.8	1002.7	1284.0	1556.9	1791.7	2171.1	2803.6	4015.4	6465.9	13031.4
0°	888.4	854.7	1000.9	1293.3	1571.6	1788.1	2178.9	2839.6	4099.2	6802.5	13450.2
-2.5°	881.4	863.8	1002.7	1284.0	1556.9	1791.7	2171.1	2803.6	4015.4	6465.9	13031.4
-5°	891.9	868.4	997.8	1259.2	1532.1	1766.4	2116.4	2684.3	3737.8	5554.3	9910.2
-7.5°	915.4	868.6	980.1	1213.0	1481.1	1721.0	2028.5	2518.2	3298.2	4573.1	7122.2
-10°	946.5	863.2	941.3	1133.2	1395.2	1655.5	1886.1	2289.9	2849.5	3778.8	4976.0
-12.5°	986.7	850.7	882.7	1029.3	1279.6	1546.8	1768.7	2076.9	2500.9	3006.8	3767.2
-15°	1013.8	872.9	855.1	954.1	1144.5	1391.8	1642.8	1837.5	2157.9	2504.4	2854.7
-17.5°	966.5	935.4	839.7	869.8	996.3	1216.0	1447.1	1663.8	1841.2	2082.9	2288.7
-20°	912.5	1000.4	865.2	837.0	899.5	1026.7	1232.1	1436.5	1624.5	1764.4	1881.2



REPORT NUMBER: P559129 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-U-TSB-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	867.3	943.6	954.3	820.9	835.5	906.7	1017.3	1195.4	1363.9	1520.2	1636.9
-25°	822.9	882.8	964.0	928.5	820.8	831.9	886.4	968.6	1107.3	1236.7	1349.8
-27.5°	786.1	835.6	901.0	977.8	930.7	813.2	819.4	840.9	913.7	975.5	1069.2
-30°	754.9	794.6	848.4	910.8	970.6	949.2	843.1	806.0	816.9	838.8	880.8
-32.5°	725.8	760.0	799.1	846.8	889.9	937.6	986.0	908.3	828.6	797.5	803.9
-35°	692.4	725.7	758.0	789.0	820.2	855.2	893.8	938.5	978.1	942.1	890.0
-37.5°	648.5	686.6	718.4	743.0	767.4	790.2	821.1	851.5	883.8	927.6	959.7
-40°	577.4	636.7	672.8	704.3	724.4	741.5	763.0	784.1	818.1	857.1	891.7
-42.5°	495.4	554.3	613.1	651.4	680.5	699.7	713.4	727.0	770.3	808.4	839.4
-45°	421.6	472.2	519.9	571.5	616.9	640.5	659.3	685.2	726.5	765.9	798.0
-47.5°	363.9	400.5	441.8	480.7	512.5	548.3	580.6	622.2	662.4	702.5	736.9
-50°	316.9	344.6	377.0	404.3	427.7	450.8	471.5	511.9	557.4	600.5	642.0
-52.5°	279.8	302.3	324.5	341.2	357.5	371.8	386.3	420.4	454.0	485.6	525.1
-55°	248.8	266.3	283.0	292.2	300.8	308.4	321.8	348.2	373.3	397.0	437.7
-57.5°	220.4	234.8	246.8	251.5	255.3	257.9	271.6	292.4	312.0	332.3	371.4
-60°	190.5	206.0	214.0	216.3	217.7	218.3	233.8	251.6	268.1	288.3	324.7
-62.5°	157.9	172.2	178.8	181.7	183.4	183.7	203.1	221.1	237.6	262.5	301.5
-65°	127.7	138.5	143.0	145.6	146.6	151.2	175.0	196.4	215.8	255.6	317.0
-67.5°	104.0	108.6	111.1	112.5	114.0	124.1	152.0	177.6	201.4	252.5	333.0
-70°	82.2	84.5	86.3	87.8	88.9	100.8	126.9	154.3	182.5	210.8	240.9
-72.5°	61.7	63.7	65.2	66.5	67.3	77.3	95.3	114.8	135.7	148.4	157.6
-75°	42.7	45.1	46.5	47.6	48.3	55.0	65.0	75.4	86.3	91.9	96.0
-77.5°	26.8	28.7	30.0	30.9	31.6	35.9	41.6	47.5	53.5	56.7	59.3
-80°	15.0	16.2	17.1	17.8	18.3	20.3	22.7	25.3	28.0	29.0	29.7
-82.5°	8.1	8.6	8.9	9.3	9.6	9.9	10.2	10.4	10.6	10.8	10.9
-85°	4.6	4.7	4.8	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.5
-87.5°	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8
-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: P559129 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-U-TSB-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°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7
85°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.4	5.3
82.5°	11.1	11.1	11.2	11.2	11.2	11.1	11.1	10.9	10.8	10.6	10.4
80°	30.2	30.6	29.5	28.1	29.5	30.6	30.2	29.7	29.0	28.0	25.3
77.5°	61.8	64.0	61.8	59.0	61.8	64.0	61.8	59.3	56.7	53.5	47.5
75°	99.7	102.9	101.1	98.4	101.1	102.9	99.7	96.0	91.9	86.3	75.4
72.5°	166.4	174.6	172.6	168.7	172.6	174.6	166.4	157.6	148.4	135.7	114.8
70°	272.5	304.5	303.2	295.2	303.2	304.5	272.5	240.9	210.8	182.5	154.3
67.5°	420.1	510.8	539.6	553.9	539.6	510.8	420.1	333.0	252.5	201.4	177.6
65°	374.1	428.9	450.6	466.7	450.6	428.9	374.1	317.0	255.6	215.8	196.4
62.5°	336.5	369.0	376.0	376.7	376.0	369.0	336.5	301.5	262.5	237.6	221.1
60°	360.2	394.7	399.8	393.6	399.8	394.7	360.2	324.7	288.3	268.1	251.6
57.5°	409.0	445.2	451.8	444.2	451.8	445.2	409.0	371.4	332.3	312.0	292.4
55°	476.7	513.1	525.3	522.9	525.3	513.1	476.7	437.7	397.0	373.3	348.2
52.5°	562.9	596.6	610.4	610.1	610.4	596.6	562.9	525.1	485.6	454.0	420.4
50°	678.2	708.4	723.3	725.4	723.3	708.4	678.2	642.0	600.5	557.4	511.9
47.5°	761.4	781.1	791.5	792.8	791.5	781.1	761.4	736.9	702.5	662.4	622.2
45°	812.3	823.0	831.0	837.8	831.0	823.0	812.3	798.0	765.9	726.5	685.2
42.5°	860.2	882.4	898.8	902.5	898.8	882.4	860.2	839.4	808.4	770.3	727.0
40°	924.5	955.0	984.3	1015.0	984.3	955.0	924.5	891.7	857.1	818.1	784.1
37.5°	993.1	1027.0	1055.3	1071.2	1055.3	1027.0	993.1	959.7	927.6	883.8	851.5
35°	853.3	831.0	817.7	812.5	817.7	831.0	853.3	890.0	942.1	978.1	938.5
32.5°	807.6	809.2	806.6	801.3	806.6	809.2	807.6	803.9	797.5	828.6	908.3
30°	911.9	926.8	928.6	927.8	928.6	926.8	911.9	880.8	838.8	816.9	806.0
27.5°	1138.6	1176.6	1188.3	1211.8	1188.3	1176.6	1138.6	1069.2	975.5	913.7	840.9
25°	1437.3	1494.6	1522.2	1532.3	1522.2	1494.6	1437.3	1349.8	1236.7	1107.3	968.6
22.5°	1702.8	1746.6	1772.2	1793.7	1772.2	1746.6	1702.8	1636.9	1520.2	1363.9	1195.4
20°	2017.5	2097.4	2134.0	2136.7	2134.0	2097.4	2017.5	1881.2	1764.4	1624.5	1436.5
17.5°	2508.7	2664.2	2741.8	2763.7	2741.8	2664.2	2508.7	2288.7	2082.9	1841.2	1663.8
15°	3283.6	3680.4	3884.6	3981.1	3884.6	3680.4	3283.6	2854.7	2504.4	2157.9	1837.5
12.5°	4547.8	5442.5	6166.0	6438.4	6166.0	5442.5	4547.8	3767.2	3006.8	2500.9	2076.9
10°	7052.6	9724.5	12845.9	14302.1	12845.9	9724.5	7052.6	4976.0	3778.8	2849.5	2289.9
7.5°	13644.0	31678.8	61398.8	75576.0	61398.8	31678.8	13644.0	7122.2	4573.1	3298.2	2518.2
5°	29082.5	125510.9	224774.4	264016.8	224774.4	125510.9	29082.5	9910.2	5554.3	3737.8	2684.3
2.5°	46322.2	205854.4	388414.1	454169.8	388414.1	205854.4	46322.2	13031.4	6465.9	4015.4	2803.6
0°	55345.8	216932.6	428606.2	494216.8	428606.2	216932.6	55345.8	13450.2	6802.5	4099.2	2839.6
-2.5°	46322.2	205854.4	388414.1	454169.8	388414.1	205854.4	46322.2	13031.4	6465.9	4015.4	2803.6
-5°	29082.5	125510.9	224774.4	264016.8	224774.4	125510.9	29082.5	9910.2	5554.3	3737.8	2684.3
-7.5°	13644.0	31678.8	61398.8	75576.0	61398.8	31678.8	13644.0	7122.2	4573.1	3298.2	2518.2
-10°	7052.6	9724.5	12845.9	14302.1	12845.9	9724.5	7052.6	4976.0	3778.8	2849.5	2289.9
-12.5°	4547.8	5442.5	6166.0	6438.4	6166.0	5442.5	4547.8	3767.2	3006.8	2500.9	2076.9
-15°	3283.6	3680.4	3884.6	3981.1	3884.6	3680.4	3283.6	2854.7	2504.4	2157.9	1837.5
-17.5°	2508.7	2664.2	2741.8	2763.7	2741.8	2664.2	2508.7	2288.7	2082.9	1841.2	1663.8
-20°	2017.5	2097.4	2134.0	2136.7	2134.0	2097.4	2017.5	1881.2	1764.4	1624.5	1436.5



REPORT NUMBER: P559129 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-U-TSB-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1702.8	1746.6	1772.2	1793.7	1772.2	1746.6	1702.8	1636.9	1520.2	1363.9	1195.4
-25°	1437.3	1494.6	1522.2	1532.3	1522.2	1494.6	1437.3	1349.8	1236.7	1107.3	968.6
-27.5°	1138.6	1176.6	1188.3	1211.8	1188.3	1176.6	1138.6	1069.2	975.5	913.7	840.9
-30°	911.9	926.8	928.6	927.8	928.6	926.8	911.9	880.8	838.8	816.9	806.0
-32.5°	807.6	809.2	806.6	801.3	806.6	809.2	807.6	803.9	797.5	828.6	908.3
-35°	853.3	831.0	817.7	812.5	817.7	831.0	853.3	890.0	942.1	978.1	938.5
-37.5°	993.1	1027.0	1055.3	1071.2	1055.3	1027.0	993.1	959.7	927.6	883.8	851.5
-40°	924.5	955.0	984.3	1015.0	984.3	955.0	924.5	891.7	857.1	818.1	784.1
-42.5°	860.2	882.4	898.8	902.5	898.8	882.4	860.2	839.4	808.4	770.3	727.0
-45°	812.3	823.0	831.0	837.8	831.0	823.0	812.3	798.0	765.9	726.5	685.2
-47.5°	761.4	781.1	791.5	792.8	791.5	781.1	761.4	736.9	702.5	662.4	622.2
-50°	678.2	708.4	723.3	725.4	723.3	708.4	678.2	642.0	600.5	557.4	511.9
-52.5°	562.9	596.6	610.4	610.1	610.4	596.6	562.9	525.1	485.6	454.0	420.4
-55°	476.7	513.1	525.3	522.9	525.3	513.1	476.7	437.7	397.0	373.3	348.2
-57.5°	409.0	445.2	451.8	444.2	451.8	445.2	409.0	371.4	332.3	312.0	292.4
-60°	360.2	394.7	399.8	393.6	399.8	394.7	360.2	324.7	288.3	268.1	251.6
-62.5°	336.5	369.0	376.0	376.7	376.0	369.0	336.5	301.5	262.5	237.6	221.1
-65°	374.1	428.9	450.6	466.7	450.6	428.9	374.1	317.0	255.6	215.8	196.4
-67.5°	420.1	510.8	539.6	553.9	539.6	510.8	420.1	333.0	252.5	201.4	177.6
-70°	272.5	304.5	303.2	295.2	303.2	304.5	272.5	240.9	210.8	182.5	154.3
-72.5°	166.4	174.6	172.6	168.7	172.6	174.6	166.4	157.6	148.4	135.7	114.8
-75°	99.7	102.9	101.1	98.4	101.1	102.9	99.7	96.0	91.9	86.3	75.4
-77.5°	61.8	64.0	61.8	59.0	61.8	64.0	61.8	59.3	56.7	53.5	47.5
-80°	30.2	30.6	29.5	28.1	29.5	30.6	30.2	29.7	29.0	28.0	25.3
-82.5°	11.1	11.1	11.2	11.2	11.2	11.1	11.1	10.9	10.8	10.6	10.4
-85°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.4	5.3
-87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559129 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-U-TSB-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0
85°	5.3	5.2	5.1	5.0	4.8	4.7	4.6	4.4	4.3	4.1	4.0
82.5°	10.2	9.9	9.6	9.3	8.9	8.6	8.1	7.7	7.3	6.8	6.3
80°	22.7	20.3	18.3	17.8	17.1	16.2	15.0	13.4	11.9	10.9	10.2
77.5°	41.6	35.9	31.6	30.9	30.0	28.7	26.8	23.8	21.4	19.1	17.2
75°	65.0	55.0	48.3	47.6	46.5	45.1	42.7	38.9	34.9	30.8	27.1
72.5°	95.3	77.3	67.3	66.5	65.2	63.7	61.7	58.4	53.5	46.8	40.8
70°	126.9	100.8	88.9	87.8	86.3	84.5	82.2	79.8	77.0	72.3	63.0
67.5°	152.0	124.1	114.0	112.5	111.1	108.6	104.0	99.9	96.3	92.5	83.1
65°	175.0	151.2	146.6	145.6	143.0	138.5	127.7	119.6	113.9	108.8	99.0
62.5°	203.1	183.7	183.4	181.7	178.8	172.2	157.9	144.9	133.1	122.9	114.5
60°	233.8	218.3	217.7	216.3	214.0	206.0	190.5	173.8	156.0	144.5	133.1
57.5°	271.6	257.9	255.3	251.5	246.8	234.8	220.4	205.3	187.2	170.8	155.1
55°	321.8	308.4	300.8	292.2	283.0	266.3	248.8	231.5	215.5	200.8	182.6
52.5°	386.3	371.8	357.5	341.2	324.5	302.3	279.8	260.2	242.1	225.9	209.1
50°	471.5	450.8	427.7	404.3	377.0	344.6	316.9	291.7	271.3	252.4	233.2
47.5°	580.6	548.3	512.5	480.7	441.8	400.5	363.9	328.4	305.0	279.7	258.5
45°	659.3	640.5	616.9	571.5	519.9	472.2	421.6	380.9	343.5	313.6	283.8
42.5°	713.4	699.7	680.5	651.4	613.1	554.3	495.4	441.8	393.2	351.6	313.8
40°	763.0	741.5	724.4	704.3	672.8	636.7	577.4	510.1	451.3	397.5	344.1
37.5°	821.1	790.2	767.4	743.0	718.4	686.6	648.5	588.4	513.5	445.5	381.2
35°	893.8	855.2	820.2	789.0	758.0	725.7	692.4	652.5	584.0	498.0	421.0
32.5°	986.0	937.6	889.9	846.8	799.1	760.0	725.8	690.5	644.6	557.4	468.5
30°	843.1	949.2	970.6	910.8	848.4	794.6	754.9	719.7	677.1	617.6	516.5
27.5°	819.4	813.2	930.7	977.8	901.0	835.6	786.1	745.3	707.2	654.9	571.3
25°	886.4	831.9	820.8	928.5	964.0	882.8	822.9	774.2	730.0	685.9	636.2
22.5°	1017.3	906.7	835.5	820.9	954.3	943.6	867.3	804.4	756.6	728.5	681.2
20°	1232.1	1026.7	899.5	837.0	865.2	1000.4	912.5	845.7	801.6	767.9	722.9
17.5°	1447.1	1216.0	996.3	869.8	839.7	935.4	966.5	895.6	840.9	808.3	764.4
15°	1642.8	1391.8	1144.5	954.1	855.1	872.9	1013.8	941.6	877.8	845.7	798.4
12.5°	1768.7	1546.8	1279.6	1029.3	882.7	850.7	986.7	982.6	916.6	867.6	820.4
10°	1886.1	1655.5	1395.2	1133.2	941.3	863.2	946.5	1016.4	947.6	885.2	838.1
7.5°	2028.5	1721.0	1481.1	1213.0	980.1	868.6	915.4	1047.1	976.0	903.0	851.8
5°	2116.4	1766.4	1532.1	1259.2	997.8	868.4	891.9	1074.4	1001.3	920.2	862.2
2.5°	2171.1	1791.7	1556.9	1284.0	1002.7	863.8	881.4	1099.6	1026.1	930.1	865.0
0°	2178.9	1788.1	1571.6	1293.3	1000.9	854.7	888.4	1121.8	1048.7	936.2	865.9
-2.5°	2171.1	1791.7	1556.9	1284.0	1002.7	863.8	881.4	1099.6	1026.1	930.1	865.0
-5°	2116.4	1766.4	1532.1	1259.2	997.8	868.4	891.9	1074.4	1001.3	920.2	862.2
-7.5°	2028.5	1721.0	1481.1	1213.0	980.1	868.6	915.4	1047.1	976.0	903.0	851.8
-10°	1886.1	1655.5	1395.2	1133.2	941.3	863.2	946.5	1016.4	947.6	885.2	838.1
-12.5°	1768.7	1546.8	1279.6	1029.3	882.7	850.7	986.7	982.6	916.6	867.6	820.4
-15°	1642.8	1391.8	1144.5	954.1	855.1	872.9	1013.8	941.6	877.8	845.7	798.4
-17.5°	1447.1	1216.0	996.3	869.8	839.7	935.4	966.5	895.6	840.9	808.3	764.4
-20°	1232.1	1026.7	899.5	837.0	865.2	1000.4	912.5	845.7	801.6	767.9	722.9



REPORT NUMBER: P559129 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-U-TSB-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1017.3	906.7	835.5	820.9	954.3	943.6	867.3	804.4	756.6	728.5	681.2
-25°	886.4	831.9	820.8	928.5	964.0	882.8	822.9	774.2	730.0	685.9	636.2
-27.5°	819.4	813.2	930.7	977.8	901.0	835.6	786.1	745.3	707.2	654.9	571.3
-30°	843.1	949.2	970.6	910.8	848.4	794.6	754.9	719.7	677.1	617.6	516.5
-32.5°	986.0	937.6	889.9	846.8	799.1	760.0	725.8	690.5	644.6	557.4	468.5
-35°	893.8	855.2	820.2	789.0	758.0	725.7	692.4	652.5	584.0	498.0	421.0
-37.5°	821.1	790.2	767.4	743.0	718.4	686.6	648.5	588.4	513.5	445.5	381.2
-40°	763.0	741.5	724.4	704.3	672.8	636.7	577.4	510.1	451.3	397.5	344.1
-42.5°	713.4	699.7	680.5	651.4	613.1	554.3	495.4	441.8	393.2	351.6	313.8
-45°	659.3	640.5	616.9	571.5	519.9	472.2	421.6	380.9	343.5	313.6	283.8
-47.5°	580.6	548.3	512.5	480.7	441.8	400.5	363.9	328.4	305.0	279.7	258.5
-50°	471.5	450.8	427.7	404.3	377.0	344.6	316.9	291.7	271.3	252.4	233.2
-52.5°	386.3	371.8	357.5	341.2	324.5	302.3	279.8	260.2	242.1	225.9	209.1
-55°	321.8	308.4	300.8	292.2	283.0	266.3	248.8	231.5	215.5	200.8	182.6
-57.5°	271.6	257.9	255.3	251.5	246.8	234.8	220.4	205.3	187.2	170.8	155.1
-60°	233.8	218.3	217.7	216.3	214.0	206.0	190.5	173.8	156.0	144.5	133.1
-62.5°	203.1	183.7	183.4	181.7	178.8	172.2	157.9	144.9	133.1	122.9	114.5
-65°	175.0	151.2	146.6	145.6	143.0	138.5	127.7	119.6	113.9	108.8	99.0
-67.5°	152.0	124.1	114.0	112.5	111.1	108.6	104.0	99.9	96.3	92.5	83.1
-70°	126.9	100.8	88.9	87.8	86.3	84.5	82.2	79.8	77.0	72.3	63.0
-72.5°	95.3	77.3	67.3	66.5	65.2	63.7	61.7	58.4	53.5	46.8	40.8
-75°	65.0	55.0	48.3	47.6	46.5	45.1	42.7	38.9	34.9	30.8	27.1
-77.5°	41.6	35.9	31.6	30.9	30.0	28.7	26.8	23.8	21.4	19.1	17.2
-80°	22.7	20.3	18.3	17.8	17.1	16.2	15.0	13.4	11.9	10.9	10.2
-82.5°	10.2	9.9	9.6	9.3	8.9	8.6	8.1	7.7	7.3	6.8	6.3
-85°	5.3	5.2	5.1	5.0	4.8	4.7	4.6	4.4	4.3	4.1	4.0
-87.5°	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P559129 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-940-U-TSB-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°	1.9	1.8	1.7	1.6	1.9	2.1	2.3	2.4	2.1	1.9	1.7
85°	3.8	3.6	3.4	3.2	3.7	4.2	4.5	4.7	4.3	3.8	3.4
82.5°	5.7	5.4	5.1	4.8	4.8	4.9	5.2	5.6	5.6	5.6	5.0
80°	9.5	8.8	8.0	7.2	6.4	5.6	5.5	5.6	5.6	5.6	5.6
77.5°	15.6	13.8	11.6	10.4	9.4	8.3	7.2	6.2	5.6	5.6	5.6
75°	24.0	22.0	19.8	16.9	13.8	11.1	9.8	8.6	7.4	5.8	5.6
72.5°	37.1	33.3	29.3	24.6	20.6	16.9	13.5	11.0	9.8	8.2	6.2
70°	53.9	46.3	41.0	34.9	28.5	22.7	18.6	15.4	12.4	10.7	8.5
67.5°	73.2	62.6	53.8	45.4	37.8	30.7	23.9	20.2	16.9	13.2	10.8
65°	87.9	77.1	66.5	56.8	47.5	38.7	31.1	25.8	21.5	17.4	13.2
62.5°	103.3	90.2	78.8	68.0	57.5	47.4	38.4	33.1	26.6	21.7	16.6
60°	120.7	107.5	91.7	79.3	67.6	56.1	47.1	40.5	33.6	25.9	20.4
57.5°	141.7	126.7	108.6	91.6	77.8	65.1	56.3	49.0	40.7	32.0	24.3
55°	164.3	146.7	125.1	105.7	88.6	74.3	66.4	58.1	48.2	38.6	28.4
52.5°	190.0	166.6	142.4	119.8	100.1	85.1	77.9	67.4	56.9	45.1	34.7
50°	214.0	187.4	160.1	134.9	111.3	99.1	90.0	78.7	65.7	52.2	41.5
47.5°	234.0	206.4	178.4	149.9	124.5	114.2	104.0	90.6	74.6	60.2	48.5
45°	254.3	223.8	195.2	165.9	142.3	131.3	119.3	102.9	85.8	69.8	55.7
42.5°	274.5	241.8	210.2	180.9	162.6	148.6	135.5	117.4	97.3	79.9	64.0
40°	300.1	260.2	225.0	199.0	182.5	165.7	151.2	132.8	109.2	91.0	73.0
37.5°	325.0	281.0	241.4	218.4	201.3	183.3	166.6	148.7	124.3	103.5	82.3
35°	357.3	302.9	264.5	238.7	218.5	200.1	181.6	164.0	141.7	116.3	91.6
32.5°	388.3	330.4	291.0	259.3	234.9	216.2	196.4	183.3	159.8	129.1	101.2
30°	429.9	367.1	317.0	278.7	251.2	230.8	214.8	205.1	178.5	142.1	111.0
27.5°	481.4	403.2	343.6	300.4	268.3	245.2	239.4	229.1	197.7	156.1	121.7
25°	533.7	446.0	375.6	322.3	284.2	269.7	263.7	254.9	217.7	171.8	132.2
22.5°	591.5	489.5	406.6	343.0	311.5	293.2	286.9	276.8	238.7	187.6	142.5
20°	647.5	530.7	438.4	377.4	340.9	318.4	308.7	298.4	260.7	203.2	152.6
17.5°	698.4	576.9	483.1	415.0	370.7	343.1	329.7	319.6	283.2	218.7	162.3
15°	732.4	626.4	524.7	450.2	399.4	367.1	350.0	340.4	306.0	233.7	169.3
12.5°	761.2	669.6	562.3	483.0	426.7	390.5	369.7	360.8	328.8	243.5	172.9
10°	785.3	706.8	595.8	513.3	452.8	413.2	388.8	375.2	337.5	248.4	176.2
7.5°	805.1	738.4	625.6	541.3	474.2	424.6	391.7	377.7	342.8	252.1	178.9
5°	819.0	756.9	639.7	548.5	475.8	423.7	391.7	379.8	346.4	254.5	180.9
2.5°	821.1	758.9	643.3	550.9	476.2	421.8	391.4	381.4	348.3	255.7	182.2
0°	821.0	756.3	643.8	551.1	475.1	418.9	390.8	382.4	348.6	255.8	182.7
-2.5°	821.1	758.9	643.3	550.9	476.2	421.8	391.4	381.4	348.3	255.7	182.2
-5°	819.0	756.9	639.7	548.5	475.8	423.7	391.7	379.8	346.4	254.5	180.9
-7.5°	805.1	738.4	625.6	541.3	474.2	424.6	391.7	377.7	342.8	252.1	178.9
-10°	785.3	706.8	595.8	513.3	452.8	413.2	388.8	375.2	337.5	248.4	176.2
-12.5°	761.2	669.6	562.3	483.0	426.7	390.5	369.7	360.8	328.8	243.5	172.9
-15°	732.4	626.4	524.7	450.2	399.4	367.1	350.0	340.4	306.0	233.7	169.3
-17.5°	698.4	576.9	483.1	415.0	370.7	343.1	329.7	319.6	283.2	218.7	162.3
-20°	647.5	530.7	438.4	377.4	340.9	318.4	308.7	298.4	260.7	203.2	152.6



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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°	591.5	489.5	406.6	343.0	311.5	293.2	286.9	276.8	238.7	187.6	142.5
-25°	533.7	446.0	375.6	322.3	284.2	269.7	263.7	254.9	217.7	171.8	132.2
-27.5°	481.4	403.2	343.6	300.4	268.3	245.2	239.4	229.1	197.7	156.1	121.7
-30°	429.9	367.1	317.0	278.7	251.2	230.8	214.8	205.1	178.5	142.1	111.0
-32.5°	388.3	330.4	291.0	259.3	234.9	216.2	196.4	183.3	159.8	129.1	101.2
-35°	357.3	302.9	264.5	238.7	218.5	200.1	181.6	164.0	141.7	116.3	91.6
-37.5°	325.0	281.0	241.4	218.4	201.3	183.3	166.6	148.7	124.3	103.5	82.3
-40°	300.1	260.2	225.0	199.0	182.5	165.7	151.2	132.8	109.2	91.0	73.0
-42.5°	274.5	241.8	210.2	180.9	162.6	148.6	135.5	117.4	97.3	79.9	64.0
-45°	254.3	223.8	195.2	165.9	142.3	131.3	119.3	102.9	85.8	69.8	55.7
-47.5°	234.0	206.4	178.4	149.9	124.5	114.2	104.0	90.6	74.6	60.2	48.5
-50°	214.0	187.4	160.1	134.9	111.3	99.1	90.0	78.7	65.7	52.2	41.5
-52.5°	190.0	166.6	142.4	119.8	100.1	85.1	77.9	67.4	56.9	45.1	34.7
-55°	164.3	146.7	125.1	105.7	88.6	74.3	66.4	58.1	48.2	38.6	28.4
-57.5°	141.7	126.7	108.6	91.6	77.8	65.1	56.3	49.0	40.7	32.0	24.3
-60°	120.7	107.5	91.7	79.3	67.6	56.1	47.1	40.5	33.6	25.9	20.4
-62.5°	103.3	90.2	78.8	68.0	57.5	47.4	38.4	33.1	26.6	21.7	16.6
-65°	87.9	77.1	66.5	56.8	47.5	38.7	31.1	25.8	21.5	17.4	13.2
-67.5°	73.2	62.6	53.8	45.4	37.8	30.7	23.9	20.2	16.9	13.2	10.8
-70°	53.9	46.3	41.0	34.9	28.5	22.7	18.6	15.4	12.4	10.7	8.5
-72.5°	37.1	33.3	29.3	24.6	20.6	16.9	13.5	11.0	9.8	8.2	6.2
-75°	24.0	22.0	19.8	16.9	13.8	11.1	9.8	8.6	7.4	5.8	5.6
-77.5°	15.6	13.8	11.6	10.4	9.4	8.3	7.2	6.2	5.6	5.6	5.6
-80°	9.5	8.8	8.0	7.2	6.4	5.6	5.5	5.6	5.6	5.6	5.6
-82.5°	5.7	5.4	5.1	4.8	4.8	4.9	5.2	5.6	5.6	5.6	5.0
-85°	3.8	3.6	3.4	3.2	3.7	4.2	4.5	4.7	4.3	3.8	3.4
-87.5°	1.9	1.8	1.7	1.6	1.9	2.1	2.3	2.4	2.1	1.9	1.7
-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°	1.4	1.2	1.0	0.7	0.5	0.2	0.0
85°	2.9	2.4	1.9	1.5	1.0	0.5	0.0
82.5°	4.3	3.6	2.9	2.2	1.5	0.7	0.0
80°	5.6	4.8	3.9	2.9	1.9	1.0	0.0
77.5°	5.6	5.6	4.8	3.6	2.4	1.2	0.0
75°	5.6	5.6	5.6	4.3	2.9	1.4	0.0
72.5°	5.6	5.6	5.6	5.0	3.4	1.7	0.0
70°	5.9	5.6	5.6	5.6	3.8	1.9	0.0
67.5°	8.0	5.6	5.6	5.6	4.3	2.1	0.0
65°	10.1	6.5	5.6	5.6	4.7	2.4	0.0
62.5°	12.3	8.4	5.6	5.6	5.2	2.6	0.0
60°	14.4	10.3	5.6	5.6	5.6	2.8	0.0
57.5°	18.0	12.1	7.1	5.6	5.6	3.0	0.0
55°	21.9	14.0	8.6	5.6	5.7	3.2	0.0
52.5°	25.8	16.1	10.1	5.6	5.7	3.4	0.0
50°	29.9	19.6	11.5	5.6	5.8	3.6	0.0
47.5°	34.3	23.1	13.0	5.9	5.9	3.8	0.0
45°	40.6	26.7	14.4	6.9	5.9	4.0	0.0
42.5°	47.0	30.3	15.8	8.0	6.0	4.1	0.0
40°	53.4	33.8	17.9	9.0	6.1	4.3	0.0
37.5°	60.0	37.4	20.6	9.9	6.2	4.4	0.0
35°	66.5	42.0	23.3	10.8	6.4	4.6	0.0
32.5°	73.4	47.2	25.9	11.5	6.5	4.7	0.0
30°	81.1	52.2	28.5	12.2	6.6	4.8	0.0
27.5°	88.7	57.2	30.2	12.8	6.8	5.0	0.0
25°	96.1	62.0	31.4	13.3	6.9	5.1	0.0
22.5°	103.5	65.8	32.4	13.7	7.1	5.2	0.0
20°	110.6	67.2	33.2	14.0	7.2	5.3	0.0
17.5°	114.4	68.1	33.7	14.2	7.4	5.3	0.0
15°	115.7	68.5	33.9	14.4	7.5	5.4	0.0
12.5°	116.6	68.4	33.9	14.5	7.7	5.5	0.0
10°	116.9	67.9	33.6	14.5	7.8	5.5	0.0
7.5°	116.6	66.9	33.2	14.5	8.0	5.6	0.0
5°	115.8	65.6	32.6	14.4	8.1	5.6	0.0
2.5°	114.5	63.9	31.8	14.3	8.3	5.6	0.0
0°	112.5	61.9	30.9	14.1	8.4	5.6	0.0
-2.5°	114.5	63.9	31.8	14.3	8.3	5.6	0.0
-5°	115.8	65.6	32.6	14.4	8.1	5.6	0.0
-7.5°	116.6	66.9	33.2	14.5	8.0	5.6	0.0
-10°	116.9	67.9	33.6	14.5	7.8	5.5	0.0
-12.5°	116.6	68.4	33.9	14.5	7.7	5.5	0.0
-15°	115.7	68.5	33.9	14.4	7.5	5.4	0.0
-17.5°	114.4	68.1	33.7	14.2	7.4	5.3	0.0
-20°	110.6	67.2	33.2	14.0	7.2	5.3	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	103.5	65.8	32.4	13.7	7.1	5.2	0.0
-25°	96.1	62.0	31.4	13.3	6.9	5.1	0.0
-27.5°	88.7	57.2	30.2	12.8	6.8	5.0	0.0
-30°	81.1	52.2	28.5	12.2	6.6	4.8	0.0
-32.5°	73.4	47.2	25.9	11.5	6.5	4.7	0.0
-35°	66.5	42.0	23.3	10.8	6.4	4.6	0.0
-37.5°	60.0	37.4	20.6	9.9	6.2	4.4	0.0
-40°	53.4	33.8	17.9	9.0	6.1	4.3	0.0
-42.5°	47.0	30.3	15.8	8.0	6.0	4.1	0.0
-45°	40.6	26.7	14.4	6.9	5.9	4.0	0.0
-47.5°	34.3	23.1	13.0	5.9	5.9	3.8	0.0
-50°	29.9	19.6	11.5	5.6	5.8	3.6	0.0
-52.5°	25.8	16.1	10.1	5.6	5.7	3.4	0.0
-55°	21.9	14.0	8.6	5.6	5.7	3.2	0.0
-57.5°	18.0	12.1	7.1	5.6	5.6	3.0	0.0
-60°	14.4	10.3	5.6	5.6	5.6	2.8	0.0
-62.5°	12.3	8.4	5.6	5.6	5.2	2.6	0.0
-65°	10.1	6.5	5.6	5.6	4.7	2.4	0.0
-67.5°	8.0	5.6	5.6	5.6	4.3	2.1	0.0
-70°	5.9	5.6	5.6	5.6	3.8	1.9	0.0
-72.5°	5.6	5.6	5.6	5.0	3.4	1.7	0.0
-75°	5.6	5.6	5.6	4.3	2.9	1.4	0.0
-77.5°	5.6	5.6	4.8	3.6	2.4	1.2	0.0
-80°	5.6	4.8	3.9	2.9	1.9	1.0	0.0
-82.5°	4.3	3.6	2.9	2.2	1.5	0.7	0.0
-85°	2.9	2.4	1.9	1.5	1.0	0.5	0.0
-87.5°	1.4	1.2	1.0	0.7	0.5	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)