

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: P558616 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1E-940-U-TS-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P558616 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/20/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GFLD-SA1E-940-U-TS-XX  
Description: GALLEON FLOOD, ONE LIGHT SQAURE, TIGHT SPOT N2  
Light Source: (16) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

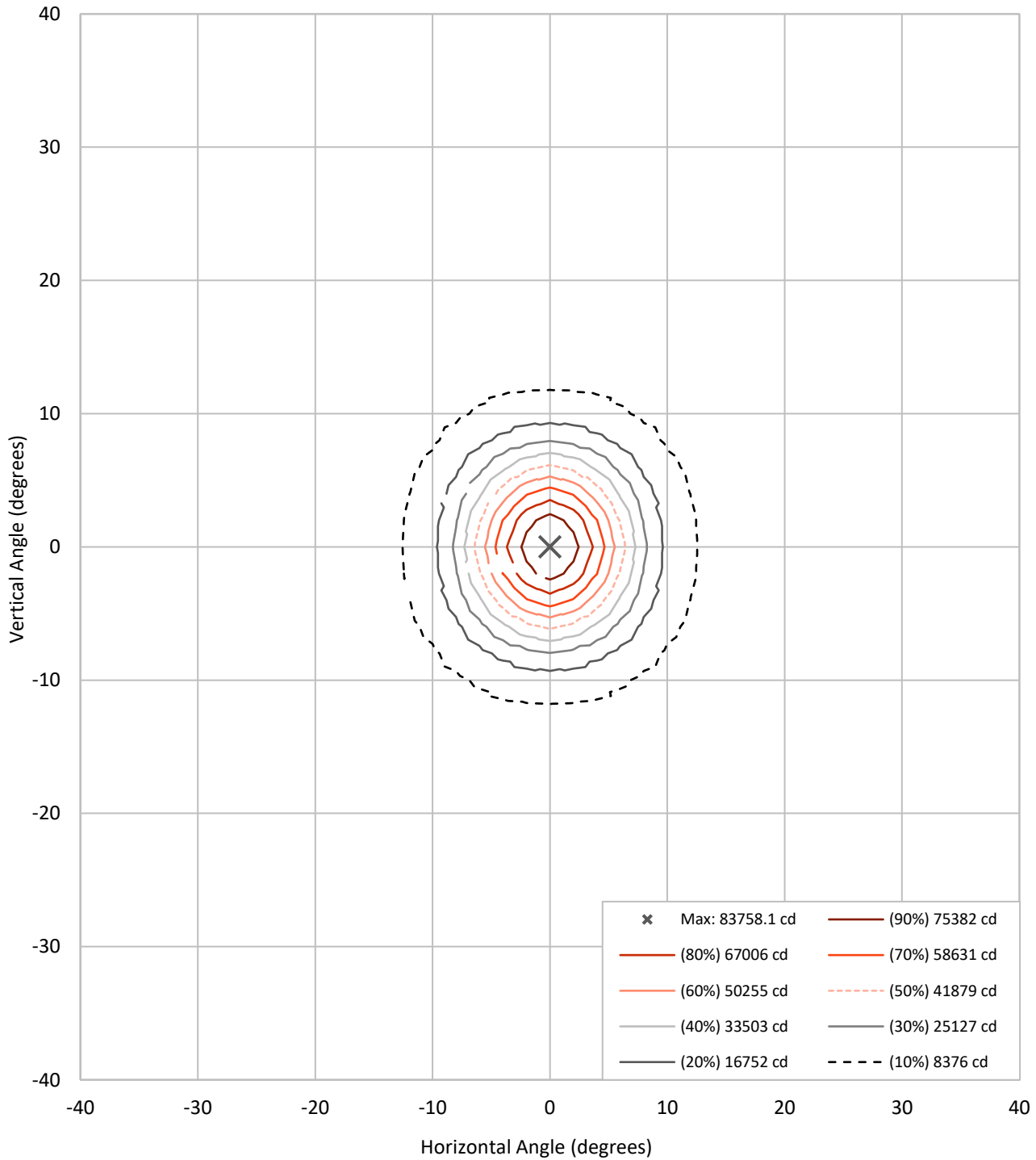
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	6071.3 lumens	Max Intensity:	83758.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	94.9 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	12.7°H x 12.3°V	Field Angle (10%):	24.6°H x 23.6°V
Beam Lumens:	1918.4 lumens	Field Lumens:	4250 lumens
Beam Efficiency:	31.6%	Field Efficiency:	70.0%

Input Watts (W): 64  
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





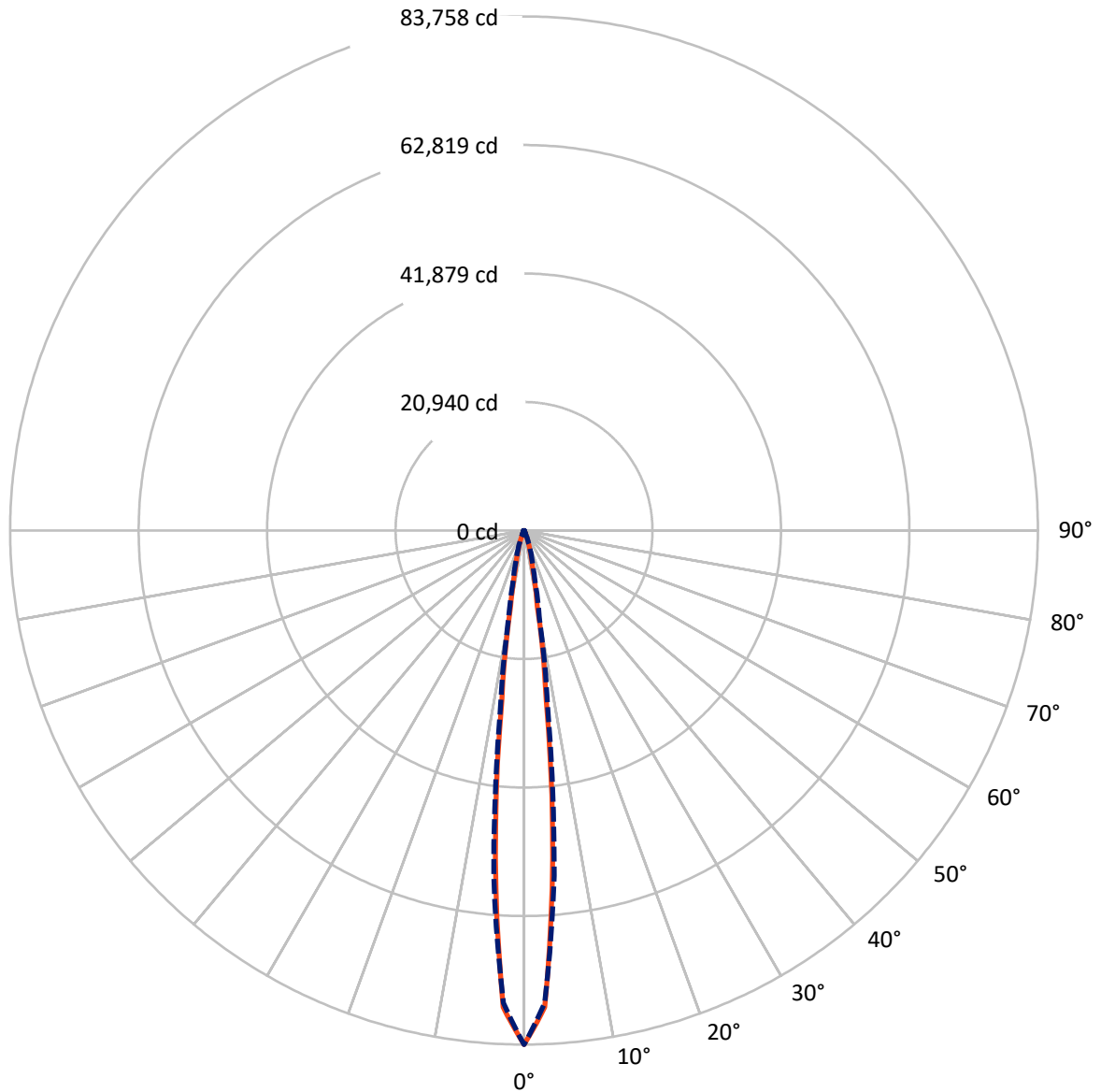
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### Lumen Table

90	0.1	0.7	1.9	3.1	3.6	3.1	1.9	0.7	0.1							
80	0.1	0.7	1.9	3.1	3.6	3.1	1.9	0.7	0.1							
70	0.3	0.4	0.8	1.3	1.8	2.2	2.5	2.6	2.6	2.5	2.2	1.8	1.3	0.8	0.4	0.3
60		0.6	1.2	1.8	2.3	2.7	3.0	3.1	3.1	3.0	2.7	2.3	1.8	1.2	0.6	
50	0.6	0.8	1.4	2.1	2.6	3.0	3.4	3.5	3.5	3.4	3.0	2.6	2.1	1.4	0.8	0.6
40		0.9	1.6	2.2	2.9	3.7	4.6	5.2	5.2	4.6	3.7	2.9	2.2	1.6	0.9	
30	0.8	1.0	1.7	2.4	3.4	5.2	11.6	21.2	21.2	11.6	5.2	3.4	2.4	1.7	1.0	0.8
20		1.1	1.8	2.5	4.0	11.3	63.7	140.1	140.1	63.7	11.3	4.0	2.5	1.8	1.1	
10	0.9	1.1	1.8	2.6	4.4	21.6	152.8	988.7	988.7	152.8	21.6	4.4	2.6	1.8	1.1	0.9
0		1.1	1.8	2.6	4.4	21.6	152.8	988.7	988.7	152.8	21.6	4.4	2.6	1.8	1.1	
-10	0.8	1.1	1.8	2.5	4.0	11.3	63.7	140.1	140.1	63.7	11.3	4.0	2.5	1.8	1.1	0.8
-20		1.0	1.7	2.4	3.4	5.2	11.6	21.2	21.2	11.6	5.2	3.4	2.4	1.7	1.0	
-30	0.6	0.9	1.6	2.2	2.9	3.7	4.6	5.2	5.2	4.6	3.7	2.9	2.2	1.6	0.9	0.6
-40		0.8	1.4	2.1	2.6	3.0	3.4	3.5	3.5	3.4	3.0	2.6	2.1	1.4	0.8	
-50	0.3	0.6	1.2	1.8	2.3	2.7	3.0	3.1	3.1	3.0	2.7	2.3	1.8	1.2	0.6	0.3
-60		0.4	0.8	1.3	1.8	2.2	2.5	2.6	2.6	2.5	2.2	1.8	1.3	0.8	0.4	
-70	0.1	0.7	1.9	3.1	3.6	3.1	1.9	0.7	0.1							
-80		0.1	0.7	1.9	3.1	3.6	3.1	1.9	0.7	0.1						
-90	0.1	0.7	1.9	3.1	3.6	3.1	1.9	0.7	0.1							

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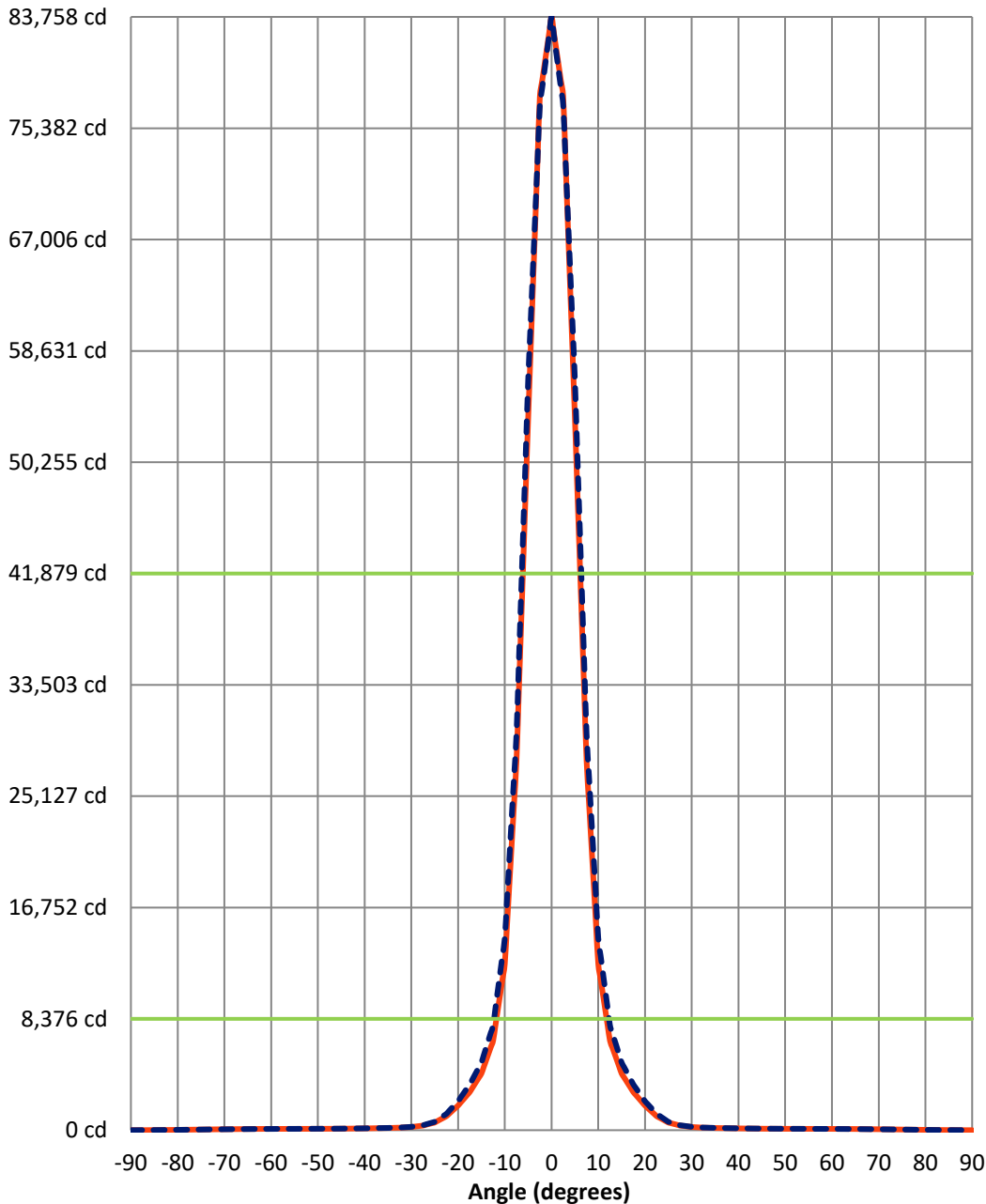
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 12.7°  
 V Angle: 12.3°  
 Lumens: 1918.4  
 Efficiency: 31.6%

**Field:**  
 H Angle: 24.6°  
 V Angle: 23.6°  
 Lumens: 4250  
 Efficiency: 70.0%

**Spill:**  
 Lumens: 1821.3  
 Efficiency: 30.0%

— 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	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.5	1.6
85°	0.0	0.4	0.8	1.1	1.5	1.8	2.0	2.3	2.7	3.0	3.3
82.5°	0.0	0.6	1.2	1.7	2.2	2.6	3.0	3.5	4.0	4.8	5.5
80°	0.0	0.8	1.6	2.3	2.9	3.5	4.1	5.0	6.0	7.1	8.1
77.5°	0.0	1.0	1.9	2.8	3.6	4.5	5.5	6.8	8.0	9.3	10.8
75°	0.0	1.2	2.3	3.4	4.4	5.7	7.0	8.5	10.0	11.8	13.6
72.5°	0.0	1.4	2.7	3.9	5.3	6.9	8.4	10.2	12.4	14.4	16.4
70°	0.0	1.5	3.1	4.5	6.3	8.1	9.9	12.3	14.7	17.0	20.2
67.5°	0.0	1.7	3.4	5.2	7.2	9.2	11.6	14.3	17.0	20.5	24.1
65°	0.0	1.9	3.8	5.9	8.1	10.5	13.4	16.3	19.9	23.9	28.1
62.5°	0.0	2.1	4.2	6.5	9.0	11.9	15.1	18.6	22.8	27.3	32.2
60°	0.0	2.2	4.5	7.2	9.9	13.2	16.7	21.0	25.6	30.9	36.2
57.5°	0.0	2.4	4.9	7.8	10.9	14.6	18.7	23.4	28.7	34.4	40.2
55°	0.0	2.6	5.3	8.5	11.9	15.9	20.6	25.7	31.8	37.9	44.2
52.5°	0.0	2.7	5.7	9.1	12.9	17.2	22.5	28.3	34.7	41.4	48.1
50°	0.0	2.9	6.1	9.6	13.9	18.7	24.4	30.8	37.7	44.8	52.0
47.5°	0.0	3.0	6.5	10.2	14.8	20.2	26.2	33.3	40.6	48.1	55.8
45°	0.0	3.2	6.8	10.9	15.7	21.6	28.2	35.6	43.4	51.4	59.4
42.5°	0.0	3.3	7.2	11.5	16.5	23.0	30.1	37.9	46.1	54.6	62.6
40°	0.0	3.4	7.5	12.1	17.4	24.3	31.9	40.2	48.7	57.6	65.5
37.5°	0.0	3.6	7.8	12.7	18.4	25.5	33.6	42.3	51.3	60.4	68.3
35°	0.0	3.7	8.1	13.2	19.3	26.8	35.2	44.3	53.7	62.7	70.8
32.5°	0.0	3.8	8.3	13.6	20.2	28.0	36.8	46.2	55.9	64.9	73.0
30°	0.0	3.9	8.6	14.1	21.0	29.2	38.3	48.0	58.0	66.9	75.0
27.5°	0.0	4.0	8.8	14.5	21.8	30.3	39.7	49.7	59.8	68.8	76.8
25°	0.0	4.1	9.0	14.8	22.5	31.3	41.0	51.2	61.3	70.4	78.5
22.5°	0.0	4.2	9.2	15.2	23.1	32.2	42.2	52.6	62.7	71.8	79.8
20°	0.0	4.2	9.4	15.5	23.7	33.0	43.2	53.8	63.9	73.0	81.0
17.5°	0.0	4.3	9.6	15.7	24.2	33.7	44.2	54.9	65.0	74.1	82.1
15°	0.0	4.3	9.7	15.9	24.6	34.3	45.0	55.8	66.0	75.0	83.0
12.5°	0.0	4.4	9.8	16.1	25.0	34.9	45.8	56.6	66.7	75.8	83.8
10°	0.0	4.4	9.9	16.2	25.3	35.3	46.3	57.2	67.3	76.4	84.4
7.5°	0.0	4.5	10.0	16.3	25.6	35.7	46.8	57.7	67.8	76.8	84.8
5°	0.0	4.5	10.1	16.4	25.8	35.9	47.1	58.0	68.1	77.1	85.1
2.5°	0.0	4.5	10.1	16.4	25.9	36.1	47.3	58.1	68.2	77.2	85.2
0°	0.0	4.5	10.1	16.4	25.9	36.1	47.3	58.1	68.2	77.2	85.1
-2.5°	0.0	4.5	10.1	16.4	25.9	36.1	47.3	58.1	68.2	77.2	85.2
-5°	0.0	4.5	10.1	16.4	25.8	35.9	47.1	58.0	68.1	77.1	85.1
-7.5°	0.0	4.5	10.0	16.3	25.6	35.7	46.8	57.7	67.8	76.8	84.8
-10°	0.0	4.4	9.9	16.2	25.3	35.3	46.3	57.2	67.3	76.4	84.4
-12.5°	0.0	4.4	9.8	16.1	25.0	34.9	45.8	56.6	66.7	75.8	83.8
-15°	0.0	4.3	9.7	15.9	24.6	34.3	45.0	55.8	66.0	75.0	83.0
-17.5°	0.0	4.3	9.6	15.7	24.2	33.7	44.2	54.9	65.0	74.1	82.1
-20°	0.0	4.2	9.4	15.5	23.7	33.0	43.2	53.8	63.9	73.0	81.0



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 CATALOG NUMBER: GFLD-SA1E-940-U-TS-XX

**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	9.2	15.2	23.1	32.2	42.2	52.6	62.7	71.8	79.8
-25°	0.0	4.1	9.0	14.8	22.5	31.3	41.0	51.2	61.3	70.4	78.5
-27.5°	0.0	4.0	8.8	14.5	21.8	30.3	39.7	49.7	59.8	68.8	76.8
-30°	0.0	3.9	8.6	14.1	21.0	29.2	38.3	48.0	58.0	66.9	75.0
-32.5°	0.0	3.8	8.3	13.6	20.2	28.0	36.8	46.2	55.9	64.9	73.0
-35°	0.0	3.7	8.1	13.2	19.3	26.8	35.2	44.3	53.7	62.7	70.8
-37.5°	0.0	3.6	7.8	12.7	18.4	25.5	33.6	42.3	51.3	60.4	68.3
-40°	0.0	3.4	7.5	12.1	17.4	24.3	31.9	40.2	48.7	57.6	65.5
-42.5°	0.0	3.3	7.2	11.5	16.5	23.0	30.1	37.9	46.1	54.6	62.6
-45°	0.0	3.2	6.8	10.9	15.7	21.6	28.2	35.6	43.4	51.4	59.4
-47.5°	0.0	3.0	6.5	10.2	14.8	20.2	26.2	33.3	40.6	48.1	55.8
-50°	0.0	2.9	6.1	9.6	13.9	18.7	24.4	30.8	37.7	44.8	52.0
-52.5°	0.0	2.7	5.7	9.1	12.9	17.2	22.5	28.3	34.7	41.4	48.1
-55°	0.0	2.6	5.3	8.5	11.9	15.9	20.6	25.7	31.8	37.9	44.2
-57.5°	0.0	2.4	4.9	7.8	10.9	14.6	18.7	23.4	28.7	34.4	40.2
-60°	0.0	2.2	4.5	7.2	9.9	13.2	16.7	21.0	25.6	30.9	36.2
-62.5°	0.0	2.1	4.2	6.5	9.0	11.9	15.1	18.6	22.8	27.3	32.2
-65°	0.0	1.9	3.8	5.9	8.1	10.5	13.4	16.3	19.9	23.9	28.1
-67.5°	0.0	1.7	3.4	5.2	7.2	9.2	11.6	14.3	17.0	20.5	24.1
-70°	0.0	1.5	3.1	4.5	6.3	8.1	9.9	12.3	14.7	17.0	20.2
-72.5°	0.0	1.4	2.7	3.9	5.3	6.9	8.4	10.2	12.4	14.4	16.4
-75°	0.0	1.2	2.3	3.4	4.4	5.7	7.0	8.5	10.0	11.8	13.6
-77.5°	0.0	1.0	1.9	2.8	3.6	4.5	5.5	6.8	8.0	9.3	10.8
-80°	0.0	0.8	1.6	2.3	2.9	3.5	4.1	5.0	6.0	7.1	8.1
-82.5°	0.0	0.6	1.2	1.7	2.2	2.6	3.0	3.5	4.0	4.8	5.5
-85°	0.0	0.4	0.8	1.1	1.5	1.8	2.0	2.3	2.7	3.0	3.3
-87.5°	0.0	0.2	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.5	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°	1.8	1.9	2.1	2.2	2.4	2.5	2.6	2.8	2.9	3.0	3.1
85°	3.6	3.9	4.3	4.6	5.0	5.3	5.6	5.8	6.1	6.5	6.8
82.5°	6.2	6.7	7.2	7.6	8.0	8.4	8.8	9.5	10.3	11.1	11.9
80°	8.9	9.5	10.5	11.5	12.5	13.5	14.5	15.4	16.4	17.5	18.7
77.5°	12.0	13.3	14.7	16.2	17.7	19.4	21.1	22.8	24.4	25.7	27.0
75°	15.2	17.0	19.3	21.6	23.8	26.0	28.3	30.5	32.4	34.2	35.9
72.5°	18.9	21.8	24.6	27.3	30.1	32.9	35.5	37.9	40.4	42.8	45.0
70°	23.4	26.7	30.0	33.4	36.7	39.8	42.8	45.8	48.8	51.5	54.0
67.5°	27.9	31.7	35.6	39.4	43.1	46.6	50.1	53.6	57.0	59.8	62.4
65°	32.5	36.8	41.1	45.3	49.2	53.3	57.3	61.2	64.3	67.0	69.5
62.5°	37.0	41.8	46.5	51.1	55.5	60.0	63.9	67.4	70.6	73.5	76.2
60°	41.6	46.8	51.9	56.9	61.7	65.8	69.7	73.2	76.5	79.6	81.9
57.5°	46.1	51.8	57.3	62.4	67.0	71.2	75.0	78.6	81.5	84.0	86.5
55°	50.5	56.6	62.3	67.4	72.0	76.0	79.8	82.9	85.7	88.1	90.6
52.5°	54.8	61.2	66.8	72.0	76.4	80.4	83.8	86.8	89.4	91.9	93.9
50°	59.1	65.3	71.2	76.0	80.4	84.2	87.4	90.3	92.8	95.1	96.9
47.5°	62.9	69.3	74.8	79.8	84.0	87.5	90.6	93.4	96.0	97.9	99.7
45°	66.4	72.7	78.3	83.1	87.2	90.5	93.5	96.4	98.5	100.5	101.9
42.5°	69.8	75.9	81.4	86.3	89.9	93.1	96.2	98.7	100.9	102.6	104.1
40°	72.6	79.0	84.2	88.7	92.4	95.5	98.3	100.8	103.0	104.6	106.2
37.5°	75.3	81.5	86.8	90.9	94.4	97.5	100.3	102.6	104.7	106.5	108.6
35°	77.9	83.9	88.8	92.8	96.2	99.2	101.9	104.3	106.3	108.7	111.3
32.5°	80.1	86.1	90.7	94.3	97.7	100.8	103.4	105.8	108.2	110.9	114.1
30°	82.0	87.8	92.3	95.8	99.1	102.0	104.8	107.4	110.0	113.3	117.4
27.5°	83.8	89.3	93.5	97.0	100.3	103.0	106.0	108.9	112.0	115.8	121.1
25°	85.4	90.6	94.5	98.0	101.2	104.0	107.0	110.1	113.9	119.0	125.8
22.5°	86.7	91.9	95.4	99.0	101.9	104.9	108.0	111.4	115.8	121.9	130.8
20°	87.7	92.7	96.2	99.8	102.4	105.6	108.9	112.5	117.8	125.8	136.1
17.5°	88.6	93.3	96.9	100.2	103.0	106.3	109.6	113.4	119.4	129.4	140.9
15°	89.5	93.9	97.4	100.6	103.6	106.8	110.3	114.7	121.6	132.8	145.3
12.5°	90.2	94.3	97.8	100.8	104.0	107.2	110.8	115.7	124.0	136.1	149.6
10°	90.8	94.7	98.1	101.0	104.3	107.4	111.3	116.4	125.7	137.9	152.2
7.5°	91.1	94.9	98.3	101.1	104.5	107.4	111.6	116.8	126.7	138.9	153.6
5°	91.3	95.1	98.5	101.3	104.7	107.6	111.9	116.9	127.1	139.0	154.1
2.5°	91.4	95.3	98.7	101.5	104.8	108.0	112.4	117.4	127.5	139.7	154.5
0°	91.3	95.3	98.7	101.5	104.9	108.3	112.8	117.8	127.4	140.4	154.5
-2.5°	91.4	95.3	98.7	101.5	104.8	108.0	112.4	117.4	127.5	139.7	154.5
-5°	91.3	95.1	98.5	101.3	104.7	107.6	111.9	116.9	127.1	139.0	154.1
-7.5°	91.1	94.9	98.3	101.1	104.5	107.4	111.6	116.8	126.7	138.9	153.6
-10°	90.8	94.7	98.1	101.0	104.3	107.4	111.3	116.4	125.7	137.9	152.2
-12.5°	90.2	94.3	97.8	100.8	104.0	107.2	110.8	115.7	124.0	136.1	149.6
-15°	89.5	93.9	97.4	100.6	103.6	106.8	110.3	114.7	121.6	132.8	145.3
-17.5°	88.6	93.3	96.9	100.2	103.0	106.3	109.6	113.4	119.4	129.4	140.9
-20°	87.7	92.7	96.2	99.8	102.4	105.6	108.9	112.5	117.8	125.8	136.1



REPORT NUMBER: P558616 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	86.7	91.9	95.4	99.0	101.9	104.9	108.0	111.4	115.8	121.9	130.8
-25°	85.4	90.6	94.5	98.0	101.2	104.0	107.0	110.1	113.9	119.0	125.8
-27.5°	83.8	89.3	93.5	97.0	100.3	103.0	106.0	108.9	112.0	115.8	121.1
-30°	82.0	87.8	92.3	95.8	99.1	102.0	104.8	107.4	110.0	113.3	117.4
-32.5°	80.1	86.1	90.7	94.3	97.7	100.8	103.4	105.8	108.2	110.9	114.1
-35°	77.9	83.9	88.8	92.8	96.2	99.2	101.9	104.3	106.3	108.7	111.3
-37.5°	75.3	81.5	86.8	90.9	94.4	97.5	100.3	102.6	104.7	106.5	108.6
-40°	72.6	79.0	84.2	88.7	92.4	95.5	98.3	100.8	103.0	104.6	106.2
-42.5°	69.8	75.9	81.4	86.3	89.9	93.1	96.2	98.7	100.9	102.6	104.1
-45°	66.4	72.7	78.3	83.1	87.2	90.5	93.5	96.4	98.5	100.5	101.9
-47.5°	62.9	69.3	74.8	79.8	84.0	87.5	90.6	93.4	96.0	97.9	99.7
-50°	59.1	65.3	71.2	76.0	80.4	84.2	87.4	90.3	92.8	95.1	96.9
-52.5°	54.8	61.2	66.8	72.0	76.4	80.4	83.8	86.8	89.4	91.9	93.9
-55°	50.5	56.6	62.3	67.4	72.0	76.0	79.8	82.9	85.7	88.1	90.6
-57.5°	46.1	51.8	57.3	62.4	67.0	71.2	75.0	78.6	81.5	84.0	86.5
-60°	41.6	46.8	51.9	56.9	61.7	65.8	69.7	73.2	76.5	79.6	81.9
-62.5°	37.0	41.8	46.5	51.1	55.5	60.0	63.9	67.4	70.6	73.5	76.2
-65°	32.5	36.8	41.1	45.3	49.2	53.3	57.3	61.2	64.3	67.0	69.5
-67.5°	27.9	31.7	35.6	39.4	43.1	46.6	50.1	53.6	57.0	59.8	62.4
-70°	23.4	26.7	30.0	33.4	36.7	39.8	42.8	45.8	48.8	51.5	54.0
-72.5°	18.9	21.8	24.6	27.3	30.1	32.9	35.5	37.9	40.4	42.8	45.0
-75°	15.2	17.0	19.3	21.6	23.8	26.0	28.3	30.5	32.4	34.2	35.9
-77.5°	12.0	13.3	14.7	16.2	17.7	19.4	21.1	22.8	24.4	25.7	27.0
-80°	8.9	9.5	10.5	11.5	12.5	13.5	14.5	15.4	16.4	17.5	18.7
-82.5°	6.2	6.7	7.2	7.6	8.0	8.4	8.8	9.5	10.3	11.1	11.9
-85°	3.6	3.9	4.3	4.6	5.0	5.3	5.6	5.8	6.1	6.5	6.8
-87.5°	1.8	1.9	2.1	2.2	2.4	2.5	2.6	2.8	2.9	3.0	3.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558616 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-940-U-TS-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°	3.2	3.2	3.2	3.1	3.1	3.1	3.2	3.2	3.3	3.3	3.3
85°	7.1	7.5	7.8	8.1	8.4	8.7	8.9	9.0	9.2	9.3	9.4
82.5°	12.6	13.2	13.8	14.4	14.8	15.2	15.6	15.9	16.1	16.4	16.6
80°	19.7	20.7	21.6	22.5	23.2	23.9	24.4	24.8	25.2	25.6	25.9
77.5°	28.2	29.5	30.8	32.0	33.0	33.9	34.6	35.3	35.9	36.5	37.1
75°	37.7	39.3	40.8	42.2	43.4	44.6	45.6	46.4	47.2	47.9	48.5
72.5°	47.2	49.2	50.9	52.4	53.7	55.0	56.3	57.5	58.6	59.4	60.0
70°	56.2	58.3	60.1	61.8	63.3	64.9	66.6	68.1	69.4	70.3	70.8
67.5°	64.5	66.6	68.6	70.7	72.6	74.2	75.9	77.4	78.7	79.6	80.2
65°	71.9	74.2	76.5	78.6	80.5	82.0	83.5	84.9	86.2	87.3	88.1
62.5°	78.9	81.2	83.1	84.9	86.5	88.0	89.4	90.7	91.9	92.9	93.8
60°	84.2	86.5	88.4	90.0	91.6	93.0	94.2	95.1	95.9	96.5	97.1
57.5°	88.8	91.0	92.9	94.2	95.6	97.0	97.9	98.5	99.0	99.4	99.7
55°	92.7	94.5	96.1	97.6	98.9	100.1	101.0	101.4	101.7	101.8	101.9
52.5°	95.9	97.6	99.2	100.7	101.7	102.8	103.6	103.8	104.0	104.0	104.1
50°	98.8	100.5	101.8	103.0	104.1	105.0	105.7	106.0	106.2	106.3	106.1
47.5°	101.1	102.6	104.0	105.2	106.3	107.4	108.2	108.7	109.0	109.2	109.2
45°	103.2	104.9	106.4	107.8	109.1	110.5	111.6	112.4	113.2	113.7	114.0
42.5°	105.6	107.3	109.0	111.0	112.8	114.6	116.5	118.2	120.0	121.8	123.1
40°	108.1	109.9	112.5	114.9	117.6	120.1	124.1	128.1	131.2	133.8	136.1
37.5°	110.9	113.6	116.6	119.8	124.2	128.8	133.9	138.9	143.2	147.1	150.3
35°	114.1	117.7	121.5	127.0	132.7	138.4	144.4	151.1	156.7	160.8	163.8
32.5°	118.1	122.6	128.6	135.7	142.6	150.0	157.4	164.8	170.3	176.0	181.8
30°	122.5	128.9	136.7	145.4	154.1	162.9	172.1	182.4	192.1	202.6	217.7
27.5°	128.1	136.0	145.1	155.3	165.8	176.3	192.4	210.1	236.2	257.1	292.6
25°	134.0	143.3	154.2	166.1	178.8	197.6	227.1	261.8	323.5	371.3	443.8
22.5°	140.7	151.6	163.7	177.3	197.9	233.3	283.7	373.0	497.3	620.0	756.5
20°	147.3	159.3	172.6	193.2	228.1	284.2	393.3	586.3	802.0	1109.1	1366.9
17.5°	153.5	166.3	183.1	210.9	263.3	376.2	587.3	918.0	1368.5	1863.5	2276.3
15°	158.9	172.0	194.7	238.8	327.3	503.0	821.8	1384.7	2141.6	2819.3	3423.7
12.5°	163.5	179.1	207.2	261.3	382.8	642.9	1154.3	1953.7	2878.0	3828.4	4593.4
10°	166.9	186.5	223.9	302.9	471.1	809.4	1431.5	2439.8	3552.6	4707.8	6090.7
7.5°	169.0	191.9	236.6	333.8	549.8	994.9	1779.1	2873.8	4151.7	5728.7	7841.5
5°	170.4	195.5	246.0	357.0	602.4	1117.4	1998.6	3202.6	4668.7	6948.9	11297.2
2.5°	171.2	197.1	251.4	369.8	626.4	1180.4	2153.1	3390.9	4983.1	7809.6	13691.1
0°	170.9	196.2	252.0	372.7	629.8	1228.7	2178.8	3444.6	5089.4	7886.8	14458.6
-2.5°	171.2	197.1	251.4	369.8	626.4	1180.4	2153.1	3390.9	4983.1	7809.6	13691.1
-5°	170.4	195.5	246.0	357.0	602.4	1117.4	1998.6	3202.6	4668.7	6948.9	11297.2
-7.5°	169.0	191.9	236.6	333.8	549.8	994.9	1779.1	2873.8	4151.7	5728.7	7841.5
-10°	166.9	186.5	223.9	302.9	471.1	809.4	1431.5	2439.8	3552.6	4707.8	6090.7
-12.5°	163.5	179.1	207.2	261.3	382.8	642.9	1154.3	1953.7	2878.0	3828.4	4593.4
-15°	158.9	172.0	194.7	238.8	327.3	503.0	821.8	1384.7	2141.6	2819.3	3423.7
-17.5°	153.5	166.3	183.1	210.9	263.3	376.2	587.3	918.0	1368.5	1863.5	2276.3
-20°	147.3	159.3	172.6	193.2	228.1	284.2	393.3	586.3	802.0	1109.1	1366.9



REPORT NUMBER: P558616 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-940-U-TS-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	140.7	151.6	163.7	177.3	197.9	233.3	283.7	373.0	497.3	620.0	756.5
-25°	134.0	143.3	154.2	166.1	178.8	197.6	227.1	261.8	323.5	371.3	443.8
-27.5°	128.1	136.0	145.1	155.3	165.8	176.3	192.4	210.1	236.2	257.1	292.6
-30°	122.5	128.9	136.7	145.4	154.1	162.9	172.1	182.4	192.1	202.6	217.7
-32.5°	118.1	122.6	128.6	135.7	142.6	150.0	157.4	164.8	170.3	176.0	181.8
-35°	114.1	117.7	121.5	127.0	132.7	138.4	144.4	151.1	156.7	160.8	163.8
-37.5°	110.9	113.6	116.6	119.8	124.2	128.8	133.9	138.9	143.2	147.1	150.3
-40°	108.1	109.9	112.5	114.9	117.6	120.1	124.1	128.1	131.2	133.8	136.1
-42.5°	105.6	107.3	109.0	111.0	112.8	114.6	116.5	118.2	120.0	121.8	123.1
-45°	103.2	104.9	106.4	107.8	109.1	110.5	111.6	112.4	113.2	113.7	114.0
-47.5°	101.1	102.6	104.0	105.2	106.3	107.4	108.2	108.7	109.0	109.2	109.2
-50°	98.8	100.5	101.8	103.0	104.1	105.0	105.7	106.0	106.2	106.3	106.1
-52.5°	95.9	97.6	99.2	100.7	101.7	102.8	103.6	103.8	104.0	104.0	104.1
-55°	92.7	94.5	96.1	97.6	98.9	100.1	101.0	101.4	101.7	101.8	101.9
-57.5°	88.8	91.0	92.9	94.2	95.6	97.0	97.9	98.5	99.0	99.4	99.7
-60°	84.2	86.5	88.4	90.0	91.6	93.0	94.2	95.1	95.9	96.5	97.1
-62.5°	78.9	81.2	83.1	84.9	86.5	88.0	89.4	90.7	91.9	92.9	93.8
-65°	71.9	74.2	76.5	78.6	80.5	82.0	83.5	84.9	86.2	87.3	88.1
-67.5°	64.5	66.6	68.6	70.7	72.6	74.2	75.9	77.4	78.7	79.6	80.2
-70°	56.2	58.3	60.1	61.8	63.3	64.9	66.6	68.1	69.4	70.3	70.8
-72.5°	47.2	49.2	50.9	52.4	53.7	55.0	56.3	57.5	58.6	59.4	60.0
-75°	37.7	39.3	40.8	42.2	43.4	44.6	45.6	46.4	47.2	47.9	48.5
-77.5°	28.2	29.5	30.8	32.0	33.0	33.9	34.6	35.3	35.9	36.5	37.1
-80°	19.7	20.7	21.6	22.5	23.2	23.9	24.4	24.8	25.2	25.6	25.9
-82.5°	12.6	13.2	13.8	14.4	14.8	15.2	15.6	15.9	16.1	16.4	16.6
-85°	7.1	7.5	7.8	8.1	8.4	8.7	8.9	9.0	9.2	9.3	9.4
-87.5°	3.2	3.2	3.2	3.1	3.1	3.1	3.2	3.2	3.3	3.3	3.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558616 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-940-U-TS-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°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2
85°	9.5	9.6	9.6	9.6	9.6	9.6	9.5	9.4	9.3	9.2	9.0
82.5°	16.7	16.8	16.9	16.9	16.9	16.8	16.7	16.6	16.4	16.1	15.9
80°	26.2	26.4	26.5	26.5	26.5	26.4	26.2	25.9	25.6	25.2	24.8
77.5°	37.7	38.1	38.2	38.3	38.2	38.1	37.7	37.1	36.5	35.9	35.3
75°	49.0	49.3	49.5	49.6	49.5	49.3	49.0	48.5	47.9	47.2	46.4
72.5°	60.4	60.6	61.1	61.5	61.1	60.6	60.4	60.0	59.4	58.6	57.5
70°	71.2	71.3	71.8	72.2	71.8	71.3	71.2	70.8	70.3	69.4	68.1
67.5°	80.6	80.9	80.8	80.6	80.8	80.9	80.6	80.2	79.6	78.7	77.4
65°	88.8	89.3	89.3	89.1	89.3	89.3	88.8	88.1	87.3	86.2	84.9
62.5°	94.7	95.5	95.8	95.9	95.8	95.5	94.7	93.8	92.9	91.9	90.7
60°	97.6	97.9	98.1	98.1	98.1	97.9	97.6	97.1	96.5	95.9	95.1
57.5°	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.7	99.4	99.0	98.5
55°	102.0	102.0	101.8	101.5	101.8	102.0	102.0	101.9	101.8	101.7	101.4
52.5°	104.0	103.8	103.5	103.2	103.5	103.8	104.0	104.1	104.0	104.0	103.8
50°	105.9	105.5	105.4	105.4	105.4	105.5	105.9	106.1	106.3	106.2	106.0
47.5°	109.1	108.8	108.7	108.8	108.7	108.8	109.1	109.2	109.2	109.0	108.7
45°	114.1	113.9	113.8	113.9	113.8	113.9	114.1	114.0	113.7	113.2	112.4
42.5°	123.8	123.9	123.9	124.1	123.9	123.9	123.8	123.1	121.8	120.0	118.2
40°	137.1	137.0	136.6	136.5	136.6	137.0	137.1	136.1	133.8	131.2	128.1
37.5°	151.6	151.7	151.2	151.1	151.2	151.7	151.6	150.3	147.1	143.2	138.9
35°	165.3	165.8	165.7	165.2	165.7	165.8	165.3	163.8	160.8	156.7	151.1
32.5°	185.9	189.1	190.7	190.0	190.7	189.1	185.9	181.8	176.0	170.3	164.8
30°	227.1	235.2	239.4	241.3	239.4	235.2	227.1	217.7	202.6	192.1	182.4
27.5°	317.9	335.8	343.9	346.8	343.9	335.8	317.9	292.6	257.1	236.2	210.1
25°	507.1	547.6	567.6	574.0	567.6	547.6	507.1	443.8	371.3	323.5	261.8
22.5°	906.8	984.8	1038.1	1049.9	1038.1	984.8	906.8	756.5	620.0	497.3	373.0
20°	1626.0	1776.7	1858.5	1851.2	1858.5	1776.7	1626.0	1366.9	1109.1	802.0	586.3
17.5°	2627.1	2820.5	2912.5	2869.5	2912.5	2820.5	2627.1	2276.3	1863.5	1368.5	918.0
15°	3851.3	4112.5	4226.5	4261.7	4226.5	4112.5	3851.3	3423.7	2819.3	2141.6	1384.7
12.5°	5357.0	6213.3	6622.8	6732.5	6622.8	6213.3	5357.0	4593.4	3828.4	2878.0	1953.7
10°	7505.2	10383.6	12095.8	12513.8	12095.8	10383.6	7505.2	6090.7	4707.8	3552.6	2439.8
7.5°	12256.6	18105.8	24658.4	27761.3	24658.4	18105.8	12256.6	7841.5	5728.7	4151.7	2873.8
5°	18691.2	32440.2	47611.3	53558.6	47611.3	32440.2	18691.2	11297.2	6948.9	4668.7	3202.6
2.5°	26513.7	48982.2	69945.0	77759.4	69945.0	48982.2	26513.7	13691.1	7809.6	4983.1	3390.9
0°	29818.6	56471.0	77064.2	83758.1	77064.2	56471.0	29818.6	14458.6	7886.8	5089.4	3444.6
-2.5°	26513.7	48982.2	69945.0	77759.4	69945.0	48982.2	26513.7	13691.1	7809.6	4983.1	3390.9
-5°	18691.2	32440.2	47611.3	53558.6	47611.3	32440.2	18691.2	11297.2	6948.9	4668.7	3202.6
-7.5°	12256.6	18105.8	24658.4	27761.3	24658.4	18105.8	12256.6	7841.5	5728.7	4151.7	2873.8
-10°	7505.2	10383.6	12095.8	12513.8	12095.8	10383.6	7505.2	6090.7	4707.8	3552.6	2439.8
-12.5°	5357.0	6213.3	6622.8	6732.5	6622.8	6213.3	5357.0	4593.4	3828.4	2878.0	1953.7
-15°	3851.3	4112.5	4226.5	4261.7	4226.5	4112.5	3851.3	3423.7	2819.3	2141.6	1384.7
-17.5°	2627.1	2820.5	2912.5	2869.5	2912.5	2820.5	2627.1	2276.3	1863.5	1368.5	918.0
-20°	1626.0	1776.7	1858.5	1851.2	1858.5	1776.7	1626.0	1366.9	1109.1	802.0	586.3



REPORT NUMBER: P558616 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-940-U-TS-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	906.8	984.8	1038.1	1049.9	1038.1	984.8	906.8	756.5	620.0	497.3	373.0
-25°	507.1	547.6	567.6	574.0	567.6	547.6	507.1	443.8	371.3	323.5	261.8
-27.5°	317.9	335.8	343.9	346.8	343.9	335.8	317.9	292.6	257.1	236.2	210.1
-30°	227.1	235.2	239.4	241.3	239.4	235.2	227.1	217.7	202.6	192.1	182.4
-32.5°	185.9	189.1	190.7	190.0	190.7	189.1	185.9	181.8	176.0	170.3	164.8
-35°	165.3	165.8	165.7	165.2	165.7	165.8	165.3	163.8	160.8	156.7	151.1
-37.5°	151.6	151.7	151.2	151.1	151.2	151.7	151.6	150.3	147.1	143.2	138.9
-40°	137.1	137.0	136.6	136.5	136.6	137.0	137.1	136.1	133.8	131.2	128.1
-42.5°	123.8	123.9	123.9	124.1	123.9	123.9	123.8	123.1	121.8	120.0	118.2
-45°	114.1	113.9	113.8	113.9	113.8	113.9	114.1	114.0	113.7	113.2	112.4
-47.5°	109.1	108.8	108.7	108.8	108.7	108.8	109.1	109.2	109.2	109.0	108.7
-50°	105.9	105.5	105.4	105.4	105.4	105.5	105.9	106.1	106.3	106.2	106.0
-52.5°	104.0	103.8	103.5	103.2	103.5	103.8	104.0	104.1	104.0	104.0	103.8
-55°	102.0	102.0	101.8	101.5	101.8	102.0	102.0	101.9	101.8	101.7	101.4
-57.5°	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.7	99.4	99.0	98.5
-60°	97.6	97.9	98.1	98.1	98.1	97.9	97.6	97.1	96.5	95.9	95.1
-62.5°	94.7	95.5	95.8	95.9	95.8	95.5	94.7	93.8	92.9	91.9	90.7
-65°	88.8	89.3	89.3	89.1	89.3	89.3	88.8	88.1	87.3	86.2	84.9
-67.5°	80.6	80.9	80.8	80.6	80.8	80.9	80.6	80.2	79.6	78.7	77.4
-70°	71.2	71.3	71.8	72.2	71.8	71.3	71.2	70.8	70.3	69.4	68.1
-72.5°	60.4	60.6	61.1	61.5	61.1	60.6	60.4	60.0	59.4	58.6	57.5
-75°	49.0	49.3	49.5	49.6	49.5	49.3	49.0	48.5	47.9	47.2	46.4
-77.5°	37.7	38.1	38.2	38.3	38.2	38.1	37.7	37.1	36.5	35.9	35.3
-80°	26.2	26.4	26.5	26.5	26.5	26.4	26.2	25.9	25.6	25.2	24.8
-82.5°	16.7	16.8	16.9	16.9	16.9	16.8	16.7	16.6	16.4	16.1	15.9
-85°	9.5	9.6	9.6	9.6	9.6	9.6	9.5	9.4	9.3	9.2	9.0
-87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2
-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: P558616 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-940-U-TS-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°	3.2	3.1	3.1	3.1	3.2	3.2	3.2	3.1	3.0	2.9	2.8
85°	8.9	8.7	8.4	8.1	7.8	7.5	7.1	6.8	6.5	6.1	5.8
82.5°	15.6	15.2	14.8	14.4	13.8	13.2	12.6	11.9	11.1	10.3	9.5
80°	24.4	23.9	23.2	22.5	21.6	20.7	19.7	18.7	17.5	16.4	15.4
77.5°	34.6	33.9	33.0	32.0	30.8	29.5	28.2	27.0	25.7	24.4	22.8
75°	45.6	44.6	43.4	42.2	40.8	39.3	37.7	35.9	34.2	32.4	30.5
72.5°	56.3	55.0	53.7	52.4	50.9	49.2	47.2	45.0	42.8	40.4	37.9
70°	66.6	64.9	63.3	61.8	60.1	58.3	56.2	54.0	51.5	48.8	45.8
67.5°	75.9	74.2	72.6	70.7	68.6	66.6	64.5	62.4	59.8	57.0	53.6
65°	83.5	82.0	80.5	78.6	76.5	74.2	71.9	69.5	67.0	64.3	61.2
62.5°	89.4	88.0	86.5	84.9	83.1	81.2	78.9	76.2	73.5	70.6	67.4
60°	94.2	93.0	91.6	90.0	88.4	86.5	84.2	81.9	79.6	76.5	73.2
57.5°	97.9	97.0	95.6	94.2	92.9	91.0	88.8	86.5	84.0	81.5	78.6
55°	101.0	100.1	98.9	97.6	96.1	94.5	92.7	90.6	88.1	85.7	82.9
52.5°	103.6	102.8	101.7	100.7	99.2	97.6	95.9	93.9	91.9	89.4	86.8
50°	105.7	105.0	104.1	103.0	101.8	100.5	98.8	96.9	95.1	92.8	90.3
47.5°	108.2	107.4	106.3	105.2	104.0	102.6	101.1	99.7	97.9	96.0	93.4
45°	111.6	110.5	109.1	107.8	106.4	104.9	103.2	101.9	100.5	98.5	96.4
42.5°	116.5	114.6	112.8	111.0	109.0	107.3	105.6	104.1	102.6	100.9	98.7
40°	124.1	120.1	117.6	114.9	112.5	109.9	108.1	106.2	104.6	103.0	100.8
37.5°	133.9	128.8	124.2	119.8	116.6	113.6	110.9	108.6	106.5	104.7	102.6
35°	144.4	138.4	132.7	127.0	121.5	117.7	114.1	111.3	108.7	106.3	104.3
32.5°	157.4	150.0	142.6	135.7	128.6	122.6	118.1	114.1	110.9	108.2	105.8
30°	172.1	162.9	154.1	145.4	136.7	128.9	122.5	117.4	113.3	110.0	107.4
27.5°	192.4	176.3	165.8	155.3	145.1	136.0	128.1	121.1	115.8	112.0	108.9
25°	227.1	197.6	178.8	166.1	154.2	143.3	134.0	125.8	119.0	113.9	110.1
22.5°	283.7	233.3	197.9	177.3	163.7	151.6	140.7	130.8	121.9	115.8	111.4
20°	393.3	284.2	228.1	193.2	172.6	159.3	147.3	136.1	125.8	117.8	112.5
17.5°	587.3	376.2	263.3	210.9	183.1	166.3	153.5	140.9	129.4	119.4	113.4
15°	821.8	503.0	327.3	238.8	194.7	172.0	158.9	145.3	132.8	121.6	114.7
12.5°	1154.3	642.9	382.8	261.3	207.2	179.1	163.5	149.6	136.1	124.0	115.7
10°	1431.5	809.4	471.1	302.9	223.9	186.5	166.9	152.2	137.9	125.7	116.4
7.5°	1779.1	994.9	549.8	333.8	236.6	191.9	169.0	153.6	138.9	126.7	116.8
5°	1998.6	1117.4	602.4	357.0	246.0	195.5	170.4	154.1	139.0	127.1	116.9
2.5°	2153.1	1180.4	626.4	369.8	251.4	197.1	171.2	154.5	139.7	127.5	117.4
0°	2178.8	1228.7	629.8	372.7	252.0	196.2	170.9	154.5	140.4	127.4	117.8
-2.5°	2153.1	1180.4	626.4	369.8	251.4	197.1	171.2	154.5	139.7	127.5	117.4
-5°	1998.6	1117.4	602.4	357.0	246.0	195.5	170.4	154.1	139.0	127.1	116.9
-7.5°	1779.1	994.9	549.8	333.8	236.6	191.9	169.0	153.6	138.9	126.7	116.8
-10°	1431.5	809.4	471.1	302.9	223.9	186.5	166.9	152.2	137.9	125.7	116.4
-12.5°	1154.3	642.9	382.8	261.3	207.2	179.1	163.5	149.6	136.1	124.0	115.7
-15°	821.8	503.0	327.3	238.8	194.7	172.0	158.9	145.3	132.8	121.6	114.7
-17.5°	587.3	376.2	263.3	210.9	183.1	166.3	153.5	140.9	129.4	119.4	113.4
-20°	393.3	284.2	228.1	193.2	172.6	159.3	147.3	136.1	125.8	117.8	112.5



REPORT NUMBER: P558616 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	283.7	233.3	197.9	177.3	163.7	151.6	140.7	130.8	121.9	115.8	111.4
-25°	227.1	197.6	178.8	166.1	154.2	143.3	134.0	125.8	119.0	113.9	110.1
-27.5°	192.4	176.3	165.8	155.3	145.1	136.0	128.1	121.1	115.8	112.0	108.9
-30°	172.1	162.9	154.1	145.4	136.7	128.9	122.5	117.4	113.3	110.0	107.4
-32.5°	157.4	150.0	142.6	135.7	128.6	122.6	118.1	114.1	110.9	108.2	105.8
-35°	144.4	138.4	132.7	127.0	121.5	117.7	114.1	111.3	108.7	106.3	104.3
-37.5°	133.9	128.8	124.2	119.8	116.6	113.6	110.9	108.6	106.5	104.7	102.6
-40°	124.1	120.1	117.6	114.9	112.5	109.9	108.1	106.2	104.6	103.0	100.8
-42.5°	116.5	114.6	112.8	111.0	109.0	107.3	105.6	104.1	102.6	100.9	98.7
-45°	111.6	110.5	109.1	107.8	106.4	104.9	103.2	101.9	100.5	98.5	96.4
-47.5°	108.2	107.4	106.3	105.2	104.0	102.6	101.1	99.7	97.9	96.0	93.4
-50°	105.7	105.0	104.1	103.0	101.8	100.5	98.8	96.9	95.1	92.8	90.3
-52.5°	103.6	102.8	101.7	100.7	99.2	97.6	95.9	93.9	91.9	89.4	86.8
-55°	101.0	100.1	98.9	97.6	96.1	94.5	92.7	90.6	88.1	85.7	82.9
-57.5°	97.9	97.0	95.6	94.2	92.9	91.0	88.8	86.5	84.0	81.5	78.6
-60°	94.2	93.0	91.6	90.0	88.4	86.5	84.2	81.9	79.6	76.5	73.2
-62.5°	89.4	88.0	86.5	84.9	83.1	81.2	78.9	76.2	73.5	70.6	67.4
-65°	83.5	82.0	80.5	78.6	76.5	74.2	71.9	69.5	67.0	64.3	61.2
-67.5°	75.9	74.2	72.6	70.7	68.6	66.6	64.5	62.4	59.8	57.0	53.6
-70°	66.6	64.9	63.3	61.8	60.1	58.3	56.2	54.0	51.5	48.8	45.8
-72.5°	56.3	55.0	53.7	52.4	50.9	49.2	47.2	45.0	42.8	40.4	37.9
-75°	45.6	44.6	43.4	42.2	40.8	39.3	37.7	35.9	34.2	32.4	30.5
-77.5°	34.6	33.9	33.0	32.0	30.8	29.5	28.2	27.0	25.7	24.4	22.8
-80°	24.4	23.9	23.2	22.5	21.6	20.7	19.7	18.7	17.5	16.4	15.4
-82.5°	15.6	15.2	14.8	14.4	13.8	13.2	12.6	11.9	11.1	10.3	9.5
-85°	8.9	8.7	8.4	8.1	7.8	7.5	7.1	6.8	6.5	6.1	5.8
-87.5°	3.2	3.1	3.1	3.1	3.2	3.2	3.2	3.1	3.0	2.9	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: P558616 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-940-U-TS-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°	2.6	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.3	1.2
85°	5.6	5.3	5.0	4.6	4.3	3.9	3.6	3.3	3.0	2.7	2.3
82.5°	8.8	8.4	8.0	7.6	7.2	6.7	6.2	5.5	4.8	4.0	3.5
80°	14.5	13.5	12.5	11.5	10.5	9.5	8.9	8.1	7.1	6.0	5.0
77.5°	21.1	19.4	17.7	16.2	14.7	13.3	12.0	10.8	9.3	8.0	6.8
75°	28.3	26.0	23.8	21.6	19.3	17.0	15.2	13.6	11.8	10.0	8.5
72.5°	35.5	32.9	30.1	27.3	24.6	21.8	18.9	16.4	14.4	12.4	10.2
70°	42.8	39.8	36.7	33.4	30.0	26.7	23.4	20.2	17.0	14.7	12.3
67.5°	50.1	46.6	43.1	39.4	35.6	31.7	27.9	24.1	20.5	17.0	14.3
65°	57.3	53.3	49.2	45.3	41.1	36.8	32.5	28.1	23.9	19.9	16.3
62.5°	63.9	60.0	55.5	51.1	46.5	41.8	37.0	32.2	27.3	22.8	18.6
60°	69.7	65.8	61.7	56.9	51.9	46.8	41.6	36.2	30.9	25.6	21.0
57.5°	75.0	71.2	67.0	62.4	57.3	51.8	46.1	40.2	34.4	28.7	23.4
55°	79.8	76.0	72.0	67.4	62.3	56.6	50.5	44.2	37.9	31.8	25.7
52.5°	83.8	80.4	76.4	72.0	66.8	61.2	54.8	48.1	41.4	34.7	28.3
50°	87.4	84.2	80.4	76.0	71.2	65.3	59.1	52.0	44.8	37.7	30.8
47.5°	90.6	87.5	84.0	79.8	74.8	69.3	62.9	55.8	48.1	40.6	33.3
45°	93.5	90.5	87.2	83.1	78.3	72.7	66.4	59.4	51.4	43.4	35.6
42.5°	96.2	93.1	89.9	86.3	81.4	75.9	69.8	62.6	54.6	46.1	37.9
40°	98.3	95.5	92.4	88.7	84.2	79.0	72.6	65.5	57.6	48.7	40.2
37.5°	100.3	97.5	94.4	90.9	86.8	81.5	75.3	68.3	60.4	51.3	42.3
35°	101.9	99.2	96.2	92.8	88.8	83.9	77.9	70.8	62.7	53.7	44.3
32.5°	103.4	100.8	97.7	94.3	90.7	86.1	80.1	73.0	64.9	55.9	46.2
30°	104.8	102.0	99.1	95.8	92.3	87.8	82.0	75.0	66.9	58.0	48.0
27.5°	106.0	103.0	100.3	97.0	93.5	89.3	83.8	76.8	68.8	59.8	49.7
25°	107.0	104.0	101.2	98.0	94.5	90.6	85.4	78.5	70.4	61.3	51.2
22.5°	108.0	104.9	101.9	99.0	95.4	91.9	86.7	79.8	71.8	62.7	52.6
20°	108.9	105.6	102.4	99.8	96.2	92.7	87.7	81.0	73.0	63.9	53.8
17.5°	109.6	106.3	103.0	100.2	96.9	93.3	88.6	82.1	74.1	65.0	54.9
15°	110.3	106.8	103.6	100.6	97.4	93.9	89.5	83.0	75.0	66.0	55.8
12.5°	110.8	107.2	104.0	100.8	97.8	94.3	90.2	83.8	75.8	66.7	56.6
10°	111.3	107.4	104.3	101.0	98.1	94.7	90.8	84.4	76.4	67.3	57.2
7.5°	111.6	107.4	104.5	101.1	98.3	94.9	91.1	84.8	76.8	67.8	57.7
5°	111.9	107.6	104.7	101.3	98.5	95.1	91.3	85.1	77.1	68.1	58.0
2.5°	112.4	108.0	104.8	101.5	98.7	95.3	91.4	85.2	77.2	68.2	58.1
0°	112.8	108.3	104.9	101.5	98.7	95.3	91.3	85.1	77.2	68.2	58.1
-2.5°	112.4	108.0	104.8	101.5	98.7	95.3	91.4	85.2	77.2	68.2	58.1
-5°	111.9	107.6	104.7	101.3	98.5	95.1	91.3	85.1	77.1	68.1	58.0
-7.5°	111.6	107.4	104.5	101.1	98.3	94.9	91.1	84.8	76.8	67.8	57.7
-10°	111.3	107.4	104.3	101.0	98.1	94.7	90.8	84.4	76.4	67.3	57.2
-12.5°	110.8	107.2	104.0	100.8	97.8	94.3	90.2	83.8	75.8	66.7	56.6
-15°	110.3	106.8	103.6	100.6	97.4	93.9	89.5	83.0	75.0	66.0	55.8
-17.5°	109.6	106.3	103.0	100.2	96.9	93.3	88.6	82.1	74.1	65.0	54.9
-20°	108.9	105.6	102.4	99.8	96.2	92.7	87.7	81.0	73.0	63.9	53.8



REPORT NUMBER: P558616 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-940-U-TS-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	108.0	104.9	101.9	99.0	95.4	91.9	86.7	79.8	71.8	62.7	52.6
-25°	107.0	104.0	101.2	98.0	94.5	90.6	85.4	78.5	70.4	61.3	51.2
-27.5°	106.0	103.0	100.3	97.0	93.5	89.3	83.8	76.8	68.8	59.8	49.7
-30°	104.8	102.0	99.1	95.8	92.3	87.8	82.0	75.0	66.9	58.0	48.0
-32.5°	103.4	100.8	97.7	94.3	90.7	86.1	80.1	73.0	64.9	55.9	46.2
-35°	101.9	99.2	96.2	92.8	88.8	83.9	77.9	70.8	62.7	53.7	44.3
-37.5°	100.3	97.5	94.4	90.9	86.8	81.5	75.3	68.3	60.4	51.3	42.3
-40°	98.3	95.5	92.4	88.7	84.2	79.0	72.6	65.5	57.6	48.7	40.2
-42.5°	96.2	93.1	89.9	86.3	81.4	75.9	69.8	62.6	54.6	46.1	37.9
-45°	93.5	90.5	87.2	83.1	78.3	72.7	66.4	59.4	51.4	43.4	35.6
-47.5°	90.6	87.5	84.0	79.8	74.8	69.3	62.9	55.8	48.1	40.6	33.3
-50°	87.4	84.2	80.4	76.0	71.2	65.3	59.1	52.0	44.8	37.7	30.8
-52.5°	83.8	80.4	76.4	72.0	66.8	61.2	54.8	48.1	41.4	34.7	28.3
-55°	79.8	76.0	72.0	67.4	62.3	56.6	50.5	44.2	37.9	31.8	25.7
-57.5°	75.0	71.2	67.0	62.4	57.3	51.8	46.1	40.2	34.4	28.7	23.4
-60°	69.7	65.8	61.7	56.9	51.9	46.8	41.6	36.2	30.9	25.6	21.0
-62.5°	63.9	60.0	55.5	51.1	46.5	41.8	37.0	32.2	27.3	22.8	18.6
-65°	57.3	53.3	49.2	45.3	41.1	36.8	32.5	28.1	23.9	19.9	16.3
-67.5°	50.1	46.6	43.1	39.4	35.6	31.7	27.9	24.1	20.5	17.0	14.3
-70°	42.8	39.8	36.7	33.4	30.0	26.7	23.4	20.2	17.0	14.7	12.3
-72.5°	35.5	32.9	30.1	27.3	24.6	21.8	18.9	16.4	14.4	12.4	10.2
-75°	28.3	26.0	23.8	21.6	19.3	17.0	15.2	13.6	11.8	10.0	8.5
-77.5°	21.1	19.4	17.7	16.2	14.7	13.3	12.0	10.8	9.3	8.0	6.8
-80°	14.5	13.5	12.5	11.5	10.5	9.5	8.9	8.1	7.1	6.0	5.0
-82.5°	8.8	8.4	8.0	7.6	7.2	6.7	6.2	5.5	4.8	4.0	3.5
-85°	5.6	5.3	5.0	4.6	4.3	3.9	3.6	3.3	3.0	2.7	2.3
-87.5°	2.6	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.3	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



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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	0.9	0.7	0.6	0.4	0.2	0.0
85°	2.0	1.8	1.5	1.1	0.8	0.4	0.0
82.5°	3.0	2.6	2.2	1.7	1.2	0.6	0.0
80°	4.1	3.5	2.9	2.3	1.6	0.8	0.0
77.5°	5.5	4.5	3.6	2.8	1.9	1.0	0.0
75°	7.0	5.7	4.4	3.4	2.3	1.2	0.0
72.5°	8.4	6.9	5.3	3.9	2.7	1.4	0.0
70°	9.9	8.1	6.3	4.5	3.1	1.5	0.0
67.5°	11.6	9.2	7.2	5.2	3.4	1.7	0.0
65°	13.4	10.5	8.1	5.9	3.8	1.9	0.0
62.5°	15.1	11.9	9.0	6.5	4.2	2.1	0.0
60°	16.7	13.2	9.9	7.2	4.5	2.2	0.0
57.5°	18.7	14.6	10.9	7.8	4.9	2.4	0.0
55°	20.6	15.9	11.9	8.5	5.3	2.6	0.0
52.5°	22.5	17.2	12.9	9.1	5.7	2.7	0.0
50°	24.4	18.7	13.9	9.6	6.1	2.9	0.0
47.5°	26.2	20.2	14.8	10.2	6.5	3.0	0.0
45°	28.2	21.6	15.7	10.9	6.8	3.2	0.0
42.5°	30.1	23.0	16.5	11.5	7.2	3.3	0.0
40°	31.9	24.3	17.4	12.1	7.5	3.4	0.0
37.5°	33.6	25.5	18.4	12.7	7.8	3.6	0.0
35°	35.2	26.8	19.3	13.2	8.1	3.7	0.0
32.5°	36.8	28.0	20.2	13.6	8.3	3.8	0.0
30°	38.3	29.2	21.0	14.1	8.6	3.9	0.0
27.5°	39.7	30.3	21.8	14.5	8.8	4.0	0.0
25°	41.0	31.3	22.5	14.8	9.0	4.1	0.0
22.5°	42.2	32.2	23.1	15.2	9.2	4.2	0.0
20°	43.2	33.0	23.7	15.5	9.4	4.2	0.0
17.5°	44.2	33.7	24.2	15.7	9.6	4.3	0.0
15°	45.0	34.3	24.6	15.9	9.7	4.3	0.0
12.5°	45.8	34.9	25.0	16.1	9.8	4.4	0.0
10°	46.3	35.3	25.3	16.2	9.9	4.4	0.0
7.5°	46.8	35.7	25.6	16.3	10.0	4.5	0.0
5°	47.1	35.9	25.8	16.4	10.1	4.5	0.0
2.5°	47.3	36.1	25.9	16.4	10.1	4.5	0.0
0°	47.4	36.1	25.9	16.4	10.1	4.5	0.0
-2.5°	47.3	36.1	25.9	16.4	10.1	4.5	0.0
-5°	47.1	35.9	25.8	16.4	10.1	4.5	0.0
-7.5°	46.8	35.7	25.6	16.3	10.0	4.5	0.0
-10°	46.3	35.3	25.3	16.2	9.9	4.4	0.0
-12.5°	45.8	34.9	25.0	16.1	9.8	4.4	0.0
-15°	45.0	34.3	24.6	15.9	9.7	4.3	0.0
-17.5°	44.2	33.7	24.2	15.7	9.6	4.3	0.0
-20°	43.2	33.0	23.7	15.5	9.4	4.2	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	42.2	32.2	23.1	15.2	9.2	4.2	0.0
-25°	41.0	31.3	22.5	14.8	9.0	4.1	0.0
-27.5°	39.7	30.3	21.8	14.5	8.8	4.0	0.0
-30°	38.3	29.2	21.0	14.1	8.6	3.9	0.0
-32.5°	36.8	28.0	20.2	13.6	8.3	3.8	0.0
-35°	35.2	26.8	19.3	13.2	8.1	3.7	0.0
-37.5°	33.6	25.5	18.4	12.7	7.8	3.6	0.0
-40°	31.9	24.3	17.4	12.1	7.5	3.4	0.0
-42.5°	30.1	23.0	16.5	11.5	7.2	3.3	0.0
-45°	28.2	21.6	15.7	10.9	6.8	3.2	0.0
-47.5°	26.2	20.2	14.8	10.2	6.5	3.0	0.0
-50°	24.4	18.7	13.9	9.6	6.1	2.9	0.0
-52.5°	22.5	17.2	12.9	9.1	5.7	2.7	0.0
-55°	20.6	15.9	11.9	8.5	5.3	2.6	0.0
-57.5°	18.7	14.6	10.9	7.8	4.9	2.4	0.0
-60°	16.7	13.2	9.9	7.2	4.5	2.2	0.0
-62.5°	15.1	11.9	9.0	6.5	4.2	2.1	0.0
-65°	13.4	10.5	8.1	5.9	3.8	1.9	0.0
-67.5°	11.6	9.2	7.2	5.2	3.4	1.7	0.0
-70°	9.9	8.1	6.3	4.5	3.1	1.5	0.0
-72.5°	8.4	6.9	5.3	3.9	2.7	1.4	0.0
-75°	7.0	5.7	4.4	3.4	2.3	1.2	0.0
-77.5°	5.5	4.5	3.6	2.8	1.9	1.0	0.0
-80°	4.1	3.5	2.9	2.3	1.6	0.8	0.0
-82.5°	3.0	2.6	2.2	1.7	1.2	0.6	0.0
-85°	2.0	1.8	1.5	1.1	0.8	0.4	0.0
-87.5°	1.0	0.9	0.7	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)