

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: P561392 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4B-AMB-U-TS-BK**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-08
Report Number: P561392 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-305-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA4B-AMB-U-TS-BK
Description: GALLEON FLOOD, ONE LIGHT SQAURE, TIGHT SPOT N2
Light Source: (64) 1549K CCT, -21.5 CRI LEDS
Ballast/Driver: -

Summary

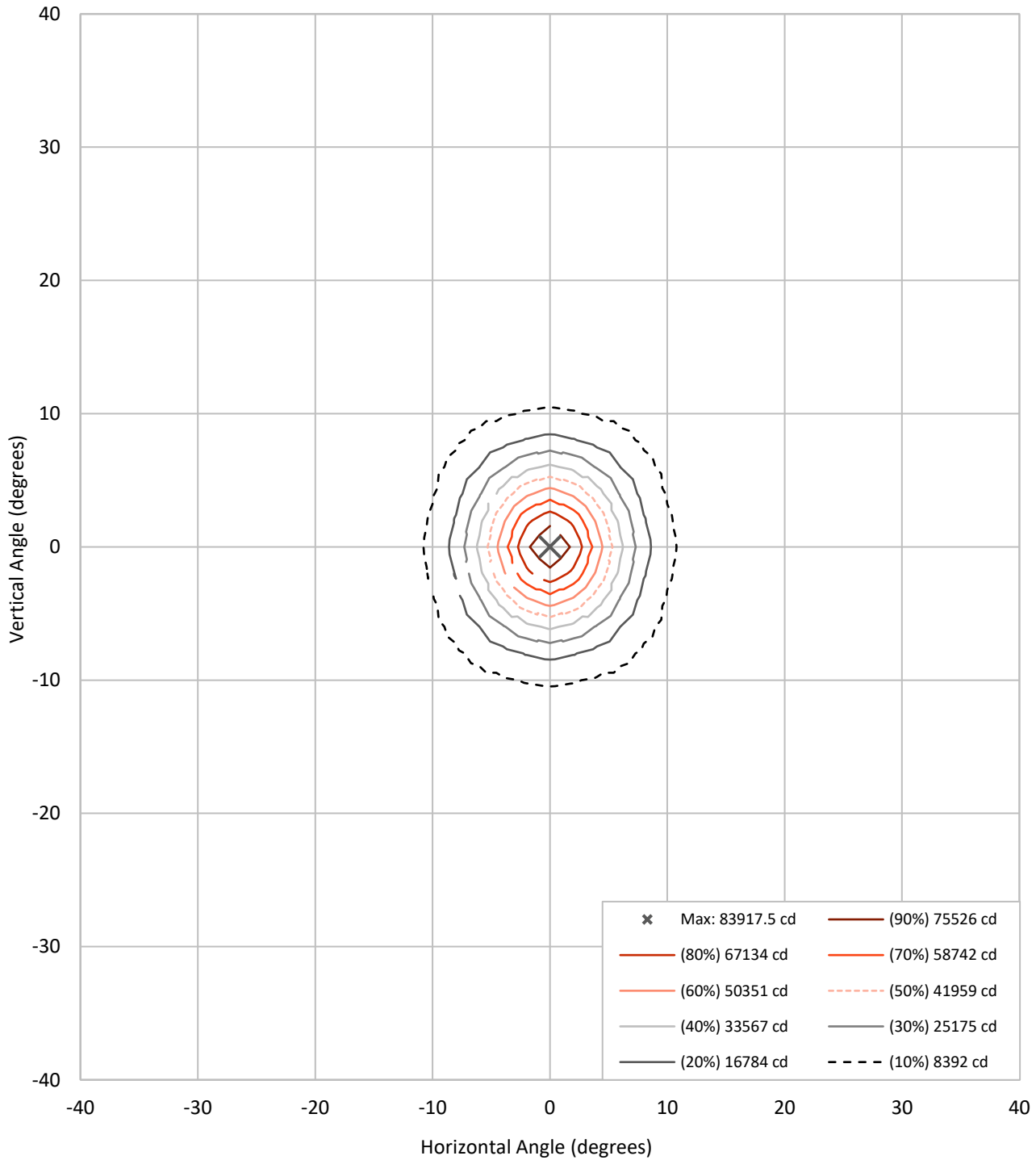
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	4523.4 lumens	Max Intensity:	83917.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	56.2 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	10.5°H x 10.4°V	Field Angle (10%):	21.6°H x 21°V
Beam Lumens:	1359.5 lumens	Field Lumens:	3142.9 lumens
Beam Efficiency:	30.1%	Field Efficiency:	69.5%

Input Watts (W): 80.5
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



REPORT NUMBER: P561392 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





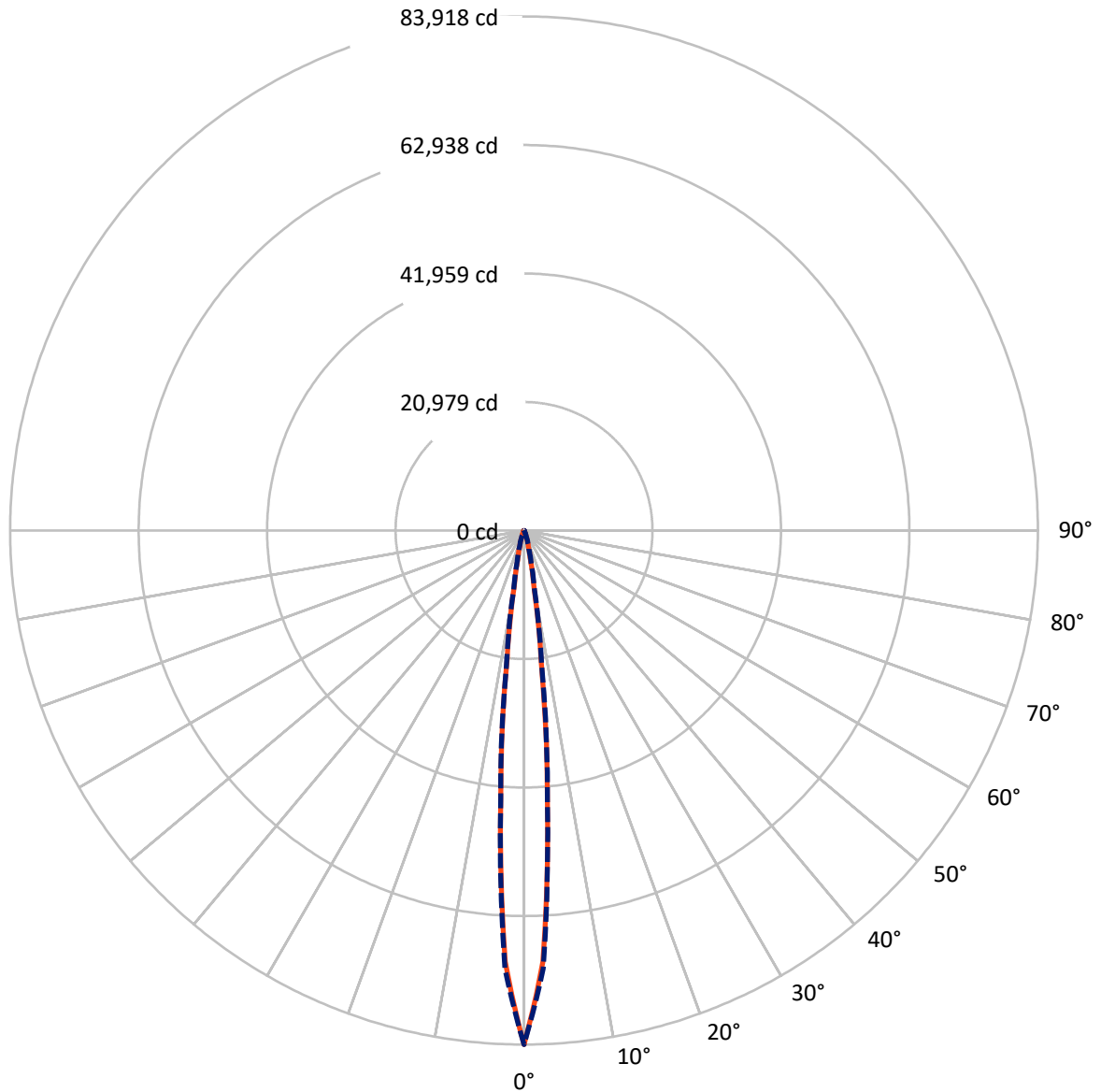
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Lumen Table

90	0.1	0.5		1.5		2.4		2.7		2.4		1.5		0.5		0.1			
80	0.1	0.5		1.5		2.4		2.7		2.4		1.5		0.5		0.1			
70	0.3	0.3	0.6	1.0	1.3	1.6	1.8	1.9	1.9	1.8	1.6	1.3	1.0	0.6	0.3	0.3			
60		0.5	0.9	1.3	1.7	2.0	2.2	2.3	2.3	2.2	2.0	1.7	1.3	0.9	0.5				
50	0.5	0.6	1.1	1.6	1.9	2.2	2.6	2.8	2.8	2.6	2.2	1.9	1.6	1.1	0.6	0.5			
40		0.7	1.2	1.7	2.1	2.9	3.8	4.4	4.4	3.8	2.9	2.1	1.7	1.2	0.7				
30	0.6	0.8	1.3	1.8	2.7	4.0	6.9	12.1	12.1	6.9	4.0	2.7	1.8	1.3	0.8	0.6			
20		0.8	1.3	1.9	3.3	6.6	32.0	89.6	89.6	32.0	6.6	3.3	1.9	1.3	0.8				
10	0.7	0.9	1.4	2.0	3.6	11.7	92.8	796.5	796.5	92.8	11.7	3.6	2.0	1.4	0.9	0.7			
0		0.9	1.4	2.0	3.6	11.7	92.8	796.5	796.5	92.8	11.7	3.6	2.0	1.4	0.9				
-10	0.6	0.8	1.3	1.9	3.3	6.6	32.0	89.6	89.6	32.0	6.6	3.3	1.9	1.3	0.8	0.6			
-20		0.8	1.3	1.8	2.7	4.0	6.9	12.1	12.1	6.9	4.0	2.7	1.8	1.3	0.8				
-30	0.5	0.7	1.2	1.7	2.1	2.9	3.8	4.4	4.4	3.8	2.9	2.1	1.7	1.2	0.7	0.5			
-40		0.6	1.1	1.6	1.9	2.2	2.6	2.8	2.8	2.6	2.2	1.9	1.6	1.1	0.6				
-50	0.3	0.5	0.9	1.3	1.7	2.0	2.2	2.3	2.3	2.2	2.0	1.7	1.3	0.9	0.5	0.3			
-60		0.3	0.6	1.0	1.3	1.6	1.8	1.9	1.9	1.8	1.6	1.3	1.0	0.6	0.3				
-70	0.1	0.5		1.5		2.4		2.7		2.4		1.5		0.5		0.1			
-80		0.5		1.5		2.4		2.7		2.4		1.5		0.5					
-90	0.1	0.5		1.5		2.4		2.7		2.4		1.5		0.5		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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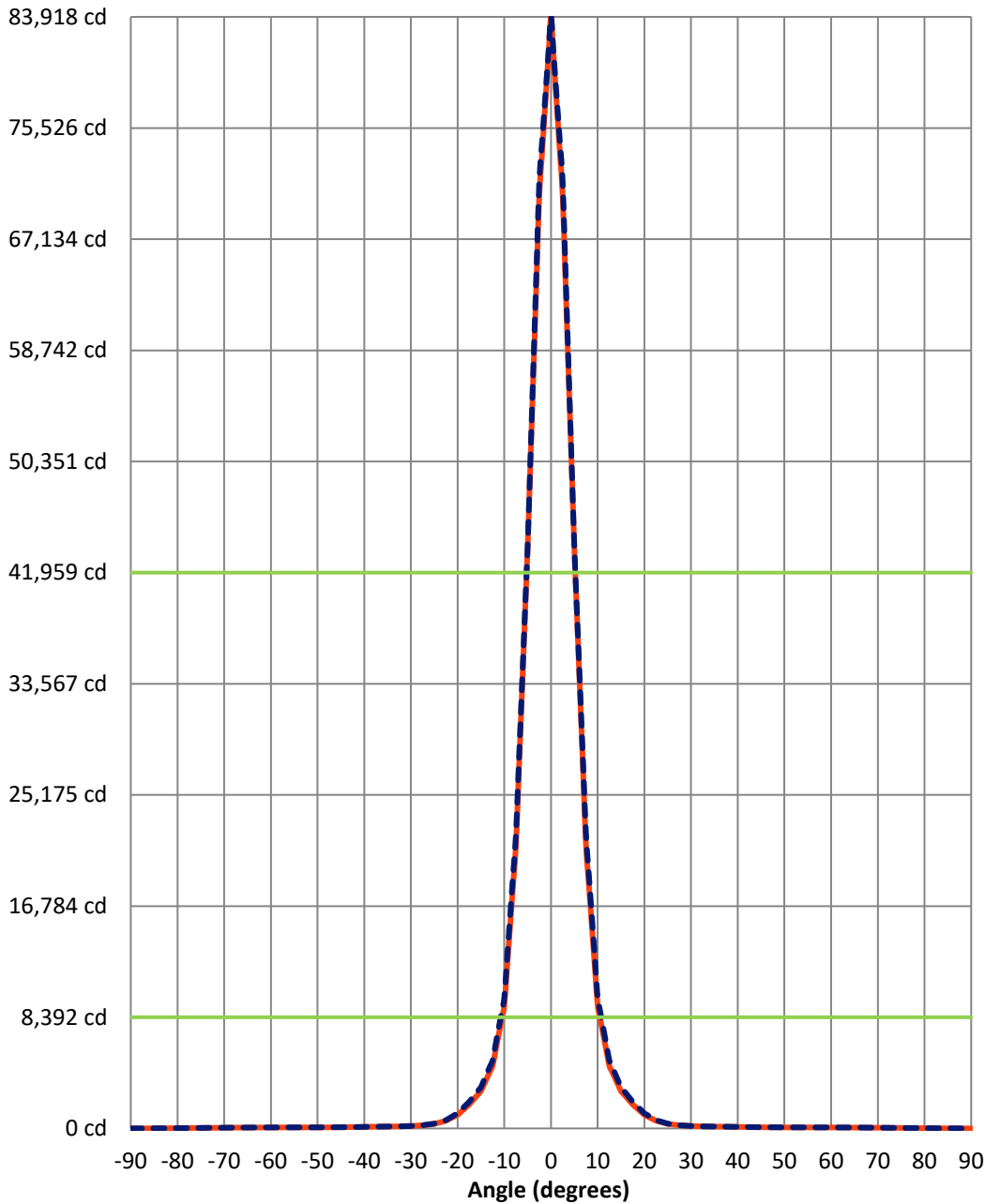
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 10.5°
 V Angle: 10.4°
 Lumens: 1359.5
 Efficiency: 30.1%

Field:
 H Angle: 21.6°
 V Angle: 21°
 Lumens: 3142.9
 Efficiency: 69.5%

Spill:
 Lumens: 1380.5
 Efficiency: 30.5%

— 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	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1
85°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.8	2.1	2.3
82.5°	0.0	0.4	0.7	1.1	1.4	1.7	2.1	2.4	2.8	3.5	4.2
80°	0.0	0.5	0.9	1.4	1.9	2.3	2.9	3.8	4.7	5.6	6.5
77.5°	0.0	0.6	1.2	1.7	2.3	3.1	4.3	5.4	6.5	7.7	8.7
75°	0.0	0.7	1.4	2.1	2.9	4.3	5.7	7.0	8.4	9.7	11.0
72.5°	0.0	0.8	1.6	2.4	3.8	5.4	7.0	8.6	10.2	11.7	13.3
70°	0.0	0.9	1.8	2.8	4.7	6.5	8.4	10.2	12.0	13.8	15.9
67.5°	0.0	1.0	2.1	3.5	5.6	7.7	9.7	11.7	13.8	16.2	18.6
65°	0.0	1.1	2.3	4.2	6.5	8.7	11.0	13.3	15.9	18.6	21.6
62.5°	0.0	1.2	2.5	4.8	7.3	9.8	12.3	15.0	18.0	21.2	25.3
60°	0.0	1.3	2.7	5.4	8.2	10.9	13.6	16.8	20.1	24.5	28.9
57.5°	0.0	1.5	3.1	6.0	9.0	11.9	15.0	18.6	22.8	27.7	32.1
55°	0.0	1.5	3.5	6.6	9.8	12.9	16.5	20.3	25.5	30.7	35.1
52.5°	0.0	1.6	3.9	7.2	10.5	13.9	18.0	22.6	28.2	33.3	38.0
50°	0.0	1.7	4.3	7.8	11.3	15.1	19.3	24.8	30.8	35.8	41.2
47.5°	0.0	1.8	4.6	8.3	12.0	16.2	20.8	26.9	32.9	38.2	44.4
45°	0.0	1.9	5.0	8.9	12.7	17.2	22.5	28.9	35.0	41.0	47.5
42.5°	0.0	2.0	5.3	9.3	13.4	18.3	24.1	30.7	37.0	43.6	50.0
40°	0.0	2.1	5.6	9.8	14.1	19.3	25.6	32.4	39.0	46.1	52.3
37.5°	0.0	2.1	5.9	10.3	14.8	20.2	27.0	34.1	41.1	48.4	54.7
35°	0.0	2.2	6.2	10.7	15.5	21.2	28.3	35.7	42.9	50.2	56.7
32.5°	0.0	2.3	6.5	11.1	16.2	22.3	29.5	37.2	44.7	51.9	58.0
30°	0.0	2.3	6.7	11.5	16.8	23.2	30.7	38.6	46.3	53.5	59.2
27.5°	0.0	2.4	7.0	11.8	17.4	24.1	31.9	39.9	47.7	55.0	60.5
25°	0.0	2.4	7.2	12.1	17.9	24.8	32.9	41.1	48.9	56.1	61.6
22.5°	0.0	2.5	7.4	12.4	18.4	25.6	33.9	42.1	49.9	57.0	62.6
20°	0.0	2.5	7.5	12.7	18.8	26.3	34.8	43.0	50.9	57.9	63.5
17.5°	0.0	2.6	7.7	12.9	19.2	27.0	35.6	43.8	51.7	58.7	64.3
15°	0.0	2.6	7.8	13.1	19.6	27.7	36.4	44.6	52.4	59.4	65.0
12.5°	0.0	2.6	7.9	13.3	19.8	28.3	37.0	45.4	53.1	60.1	65.6
10°	0.0	2.7	8.0	13.4	20.1	28.8	37.5	46.1	53.7	60.6	66.1
7.5°	0.0	2.7	8.1	13.6	20.3	29.2	37.8	46.7	54.2	61.0	66.5
5°	0.0	2.7	8.2	13.6	20.4	29.6	38.1	47.2	54.5	61.4	66.8
2.5°	0.0	2.7	8.2	13.7	20.5	29.9	38.3	47.6	54.6	61.5	66.9
0°	0.0	2.7	8.2	13.7	20.5	29.9	38.3	47.6	54.6	61.5	66.9
-2.5°	0.0	2.7	8.2	13.7	20.5	29.9	38.3	47.6	54.6	61.5	66.9
-5°	0.0	2.7	8.2	13.6	20.4	29.6	38.1	47.2	54.5	61.4	66.8
-7.5°	0.0	2.7	8.1	13.6	20.3	29.2	37.8	46.7	54.2	61.0	66.5
-10°	0.0	2.7	8.0	13.4	20.1	28.8	37.5	46.1	53.7	60.6	66.1
-12.5°	0.0	2.6	7.9	13.3	19.8	28.3	37.0	45.4	53.1	60.1	65.6
-15°	0.0	2.6	7.8	13.1	19.6	27.7	36.4	44.6	52.4	59.4	65.0
-17.5°	0.0	2.6	7.7	12.9	19.2	27.0	35.6	43.8	51.7	58.7	64.3
-20°	0.0	2.5	7.5	12.7	18.8	26.3	34.8	43.0	50.9	57.9	63.5



REPORT NUMBER: P561392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-TS-BK

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.5	7.4	12.4	18.4	25.6	33.9	42.1	49.9	57.0	62.6
-25°	0.0	2.4	7.2	12.1	17.9	24.8	32.9	41.1	48.9	56.1	61.6
-27.5°	0.0	2.4	7.0	11.8	17.4	24.1	31.9	39.9	47.7	55.0	60.5
-30°	0.0	2.3	6.7	11.5	16.8	23.2	30.7	38.6	46.3	53.5	59.2
-32.5°	0.0	2.3	6.5	11.1	16.2	22.3	29.5	37.2	44.7	51.9	58.0
-35°	0.0	2.2	6.2	10.7	15.5	21.2	28.3	35.7	42.9	50.2	56.7
-37.5°	0.0	2.1	5.9	10.3	14.8	20.2	27.0	34.1	41.1	48.4	54.7
-40°	0.0	2.1	5.6	9.8	14.1	19.3	25.6	32.4	39.0	46.1	52.3
-42.5°	0.0	2.0	5.3	9.3	13.4	18.3	24.1	30.7	37.0	43.6	50.0
-45°	0.0	1.9	5.0	8.9	12.7	17.2	22.5	28.9	35.0	41.0	47.5
-47.5°	0.0	1.8	4.6	8.3	12.0	16.2	20.8	26.9	32.9	38.2	44.4
-50°	0.0	1.7	4.3	7.8	11.3	15.1	19.3	24.8	30.8	35.8	41.2
-52.5°	0.0	1.6	3.9	7.2	10.5	13.9	18.0	22.6	28.2	33.3	38.0
-55°	0.0	1.5	3.5	6.6	9.8	12.9	16.5	20.3	25.5	30.7	35.1
-57.5°	0.0	1.5	3.1	6.0	9.0	11.9	15.0	18.6	22.8	27.7	32.1
-60°	0.0	1.3	2.7	5.4	8.2	10.9	13.6	16.8	20.1	24.5	28.9
-62.5°	0.0	1.2	2.5	4.8	7.3	9.8	12.3	15.0	18.0	21.2	25.3
-65°	0.0	1.1	2.3	4.2	6.5	8.7	11.0	13.3	15.9	18.6	21.6
-67.5°	0.0	1.0	2.1	3.5	5.6	7.7	9.7	11.7	13.8	16.2	18.6
-70°	0.0	0.9	1.8	2.8	4.7	6.5	8.4	10.2	12.0	13.8	15.9
-72.5°	0.0	0.8	1.6	2.4	3.8	5.4	7.0	8.6	10.2	11.7	13.3
-75°	0.0	0.7	1.4	2.1	2.9	4.3	5.7	7.0	8.4	9.7	11.0
-77.5°	0.0	0.6	1.2	1.7	2.3	3.1	4.3	5.4	6.5	7.7	8.7
-80°	0.0	0.5	0.9	1.4	1.9	2.3	2.9	3.8	4.7	5.6	6.5
-82.5°	0.0	0.4	0.7	1.1	1.4	1.7	2.1	2.4	2.8	3.5	4.2
-85°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.8	2.1	2.3
-87.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-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°	1.2	1.3	1.5	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.1
85°	2.5	2.7	3.0	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.1
82.5°	4.7	5.1	5.4	5.7	6.1	6.5	7.0	7.6	8.2	8.8	9.4
80°	7.1	7.5	8.1	8.8	9.7	10.7	11.6	12.5	13.3	14.2	15.1
77.5°	9.6	10.6	11.6	12.7	13.9	15.3	16.7	18.0	19.2	20.4	21.5
75°	12.2	13.5	15.2	17.0	18.8	20.5	22.1	23.7	25.2	26.6	28.0
72.5°	15.0	17.1	19.2	21.5	23.7	25.7	27.5	29.4	31.1	33.0	34.8
70°	18.1	20.5	23.4	26.1	28.5	30.8	33.1	35.2	37.1	39.3	41.3
67.5°	21.3	24.7	27.9	30.8	33.8	36.5	38.9	40.9	42.9	45.1	47.0
65°	25.3	29.0	32.3	35.7	39.3	41.9	44.3	46.5	48.4	50.5	52.8
62.5°	29.4	33.0	36.7	40.5	44.0	46.9	49.2	51.3	53.3	55.5	57.7
60°	32.9	36.8	41.0	45.0	48.5	51.2	53.5	55.7	57.9	60.2	61.6
57.5°	36.2	40.6	45.3	49.1	52.2	55.1	57.4	59.8	61.7	63.2	64.7
55°	39.7	44.7	49.1	52.5	55.7	58.3	60.8	63.0	64.8	66.1	67.9
52.5°	43.4	48.5	52.2	55.8	58.9	61.5	64.0	66.0	67.6	69.1	70.7
50°	47.0	51.4	55.3	58.9	61.9	64.5	66.9	68.7	70.4	72.0	73.2
47.5°	49.9	54.2	58.2	61.8	64.3	67.0	69.3	71.3	73.2	74.0	75.1
45°	52.6	56.9	61.1	63.9	66.7	69.5	71.7	73.9	74.5	75.4	76.3
42.5°	55.2	59.4	63.0	65.7	69.1	71.6	73.7	74.7	75.6	76.9	77.5
40°	57.3	61.6	64.8	68.1	71.3	73.3	74.8	75.8	77.3	78.2	78.6
37.5°	59.2	63.3	66.6	70.2	72.6	74.5	75.9	77.5	78.6	79.1	80.0
35°	61.0	64.9	68.5	71.7	73.8	75.7	77.4	78.9	79.5	80.2	81.5
32.5°	62.5	66.6	70.1	72.7	74.9	77.0	78.9	79.8	80.5	81.4	84.0
30°	63.9	68.0	71.4	73.7	75.9	78.0	79.8	80.6	81.4	83.5	87.3
27.5°	65.2	69.2	72.2	74.5	76.8	79.0	80.3	81.5	82.8	85.6	90.9
25°	66.4	70.2	72.9	75.3	77.7	79.7	80.8	82.0	84.2	88.9	95.9
22.5°	67.4	71.1	73.6	76.1	78.5	80.1	81.3	83.0	85.9	91.9	101.0
20°	68.2	71.7	74.3	76.7	79.1	80.5	81.8	83.9	88.2	96.0	107.2
17.5°	68.8	72.2	74.8	77.2	79.3	80.8	82.2	84.7	90.0	100.0	113.5
15°	69.4	72.6	75.3	77.6	79.4	80.9	82.8	86.0	92.4	104.1	119.2
12.5°	69.9	73.0	75.7	77.8	79.4	81.2	83.2	87.1	95.3	108.4	124.8
10°	70.4	73.3	76.0	77.9	79.3	81.4	83.4	88.2	97.6	111.3	128.3
7.5°	70.7	73.6	76.2	77.8	79.2	81.7	83.4	89.0	99.2	113.1	130.0
5°	70.9	73.8	76.0	77.9	79.2	81.7	83.4	89.7	100.2	113.8	130.4
2.5°	71.1	73.9	75.6	78.0	79.3	81.3	84.1	90.2	100.9	114.5	130.8
0°	71.1	73.9	75.2	78.0	79.3	80.7	84.8	90.3	101.2	114.9	131.3
-2.5°	71.1	73.9	75.6	78.0	79.3	81.3	84.1	90.2	100.9	114.5	130.8
-5°	70.9	73.8	76.0	77.9	79.2	81.7	83.4	89.7	100.2	113.8	130.4
-7.5°	70.7	73.6	76.2	77.8	79.2	81.7	83.4	89.0	99.2	113.1	130.0
-10°	70.4	73.3	76.0	77.9	79.3	81.4	83.4	88.2	97.6	111.3	128.3
-12.5°	69.9	73.0	75.7	77.8	79.4	81.2	83.2	87.1	95.3	108.4	124.8
-15°	69.4	72.6	75.3	77.6	79.4	80.9	82.8	86.0	92.4	104.1	119.2
-17.5°	68.8	72.2	74.8	77.2	79.3	80.8	82.2	84.7	90.0	100.0	113.5
-20°	68.2	71.7	74.3	76.7	79.1	80.5	81.8	83.9	88.2	96.0	107.2



REPORT NUMBER: P561392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-TS-BK

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	67.4	71.1	73.6	76.1	78.5	80.1	81.3	83.0	85.9	91.9	101.0
-25°	66.4	70.2	72.9	75.3	77.7	79.7	80.8	82.0	84.2	88.9	95.9
-27.5°	65.2	69.2	72.2	74.5	76.8	79.0	80.3	81.5	82.8	85.6	90.9
-30°	63.9	68.0	71.4	73.7	75.9	78.0	79.8	80.6	81.4	83.5	87.3
-32.5°	62.5	66.6	70.1	72.7	74.9	77.0	78.9	79.8	80.5	81.4	84.0
-35°	61.0	64.9	68.5	71.7	73.8	75.7	77.4	78.9	79.5	80.2	81.5
-37.5°	59.2	63.3	66.6	70.2	72.6	74.5	75.9	77.5	78.6	79.1	80.0
-40°	57.3	61.6	64.8	68.1	71.3	73.3	74.8	75.8	77.3	78.2	78.6
-42.5°	55.2	59.4	63.0	65.7	69.1	71.6	73.7	74.7	75.6	76.9	77.5
-45°	52.6	56.9	61.1	63.9	66.7	69.5	71.7	73.9	74.5	75.4	76.3
-47.5°	49.9	54.2	58.2	61.8	64.3	67.0	69.3	71.3	73.2	74.0	75.1
-50°	47.0	51.4	55.3	58.9	61.9	64.5	66.9	68.7	70.4	72.0	73.2
-52.5°	43.4	48.5	52.2	55.8	58.9	61.5	64.0	66.0	67.6	69.1	70.7
-55°	39.7	44.7	49.1	52.5	55.7	58.3	60.8	63.0	64.8	66.1	67.9
-57.5°	36.2	40.6	45.3	49.1	52.2	55.1	57.4	59.8	61.7	63.2	64.7
-60°	32.9	36.8	41.0	45.0	48.5	51.2	53.5	55.7	57.9	60.2	61.6
-62.5°	29.4	33.0	36.7	40.5	44.0	46.9	49.2	51.3	53.3	55.5	57.7
-65°	25.3	29.0	32.3	35.7	39.3	41.9	44.3	46.5	48.4	50.5	52.8
-67.5°	21.3	24.7	27.9	30.8	33.8	36.5	38.9	40.9	42.9	45.1	47.0
-70°	18.1	20.5	23.4	26.1	28.5	30.8	33.1	35.2	37.1	39.3	41.3
-72.5°	15.0	17.1	19.2	21.5	23.7	25.7	27.5	29.4	31.1	33.0	34.8
-75°	12.2	13.5	15.2	17.0	18.8	20.5	22.1	23.7	25.2	26.6	28.0
-77.5°	9.6	10.6	11.6	12.7	13.9	15.3	16.7	18.0	19.2	20.4	21.5
-80°	7.1	7.5	8.1	8.8	9.7	10.7	11.6	12.5	13.3	14.2	15.1
-82.5°	4.7	5.1	5.4	5.7	6.1	6.5	7.0	7.6	8.2	8.8	9.4
-85°	2.5	2.7	3.0	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.1
-87.5°	1.2	1.3	1.5	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.1
-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: P561392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-TS-BK

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°	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.6	2.7
85°	5.3	5.5	5.7	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.7
82.5°	9.9	10.4	10.9	11.3	11.8	12.1	12.4	12.7	13.0	12.9	12.7
80°	15.9	16.6	17.2	17.6	18.0	18.4	18.8	19.2	19.6	19.8	20.0
77.5°	22.6	23.3	23.9	24.4	24.9	25.5	26.2	26.8	27.3	27.7	28.1
75°	29.2	30.3	31.3	32.1	32.9	33.8	34.8	35.6	36.3	36.9	37.4
72.5°	36.7	38.3	39.4	40.3	41.1	42.0	42.9	43.8	44.5	45.1	45.6
70°	43.0	44.5	45.7	47.0	48.3	49.5	50.6	51.5	52.4	52.9	53.2
67.5°	48.9	50.9	52.6	54.2	55.3	56.3	57.1	57.8	58.4	58.9	59.3
65°	54.9	56.6	57.9	59.1	60.2	61.3	62.2	63.0	63.7	64.3	64.8
62.5°	59.5	60.9	62.1	63.4	64.8	66.1	66.9	67.5	68.1	68.5	68.6
60°	63.0	64.2	65.9	67.5	68.8	69.8	70.4	70.9	71.3	71.6	71.5
57.5°	66.5	68.4	70.0	70.8	71.6	72.2	72.9	73.4	73.9	74.2	74.2
55°	69.8	71.2	72.3	73.1	73.9	74.7	75.3	75.8	76.0	76.1	75.9
52.5°	72.4	73.5	74.5	75.4	76.3	77.1	77.8	77.8	77.7	77.5	77.3
50°	74.4	75.5	76.5	77.7	78.3	78.7	79.1	79.1	79.0	78.9	78.7
47.5°	75.9	77.0	78.0	78.9	79.4	79.9	80.4	80.6	80.8	81.0	81.1
45°	76.9	77.9	79.0	80.0	80.6	81.6	82.5	83.2	84.4	85.6	86.6
42.5°	77.9	79.2	80.4	81.6	82.8	84.6	87.1	89.4	91.9	94.8	97.4
40°	79.6	81.0	82.4	84.2	87.5	90.5	95.4	99.8	104.1	108.6	112.3
37.5°	81.4	83.0	85.9	89.5	95.1	100.8	106.5	112.9	119.2	124.4	130.0
35°	83.7	87.1	91.2	98.2	104.7	110.9	118.0	125.7	132.9	138.5	143.3
32.5°	87.8	92.6	99.8	107.2	114.2	122.1	129.9	136.5	141.6	147.2	152.4
30°	92.4	100.0	108.0	116.0	125.2	133.0	139.6	146.4	152.9	159.8	168.4
27.5°	98.7	107.2	116.0	126.3	134.4	141.5	149.6	159.3	173.0	183.4	199.5
25°	105.0	114.7	125.2	134.7	142.4	150.2	165.4	183.5	205.8	233.6	265.0
22.5°	112.6	123.7	133.6	142.3	151.4	167.4	189.5	224.0	266.5	326.1	403.7
20°	120.6	132.3	140.5	150.2	166.0	189.2	231.0	291.3	382.7	517.1	649.3
17.5°	127.7	138.0	146.5	158.4	182.2	223.0	291.6	413.5	582.2	850.6	1102.9
15°	134.7	142.8	151.6	171.5	204.1	268.8	388.8	588.3	928.5	1337.0	1831.9
12.5°	139.4	147.1	157.7	182.9	233.6	330.4	529.2	867.3	1351.0	2059.7	2733.1
10°	141.9	150.7	166.5	198.7	267.8	414.2	671.4	1136.9	1892.2	2832.6	3930.1
7.5°	142.4	153.0	173.5	214.5	301.0	499.3	865.2	1461.2	2387.3	3574.8	5366.2
5°	142.8	155.2	178.9	227.8	334.3	564.8	1006.8	1734.7	2773.1	4265.4	7163.6
2.5°	142.5	156.2	182.3	238.2	355.3	611.5	1105.4	1924.2	3014.2	4844.7	8984.1
0°	140.9	154.6	183.3	242.1	363.9	626.5	1146.4	2017.7	3116.3	5140.8	9863.2
-2.5°	142.5	156.2	182.3	238.2	355.3	611.5	1105.4	1924.2	3014.2	4844.7	8984.1
-5°	142.8	155.2	178.9	227.8	334.3	564.8	1006.8	1734.7	2773.1	4265.4	7163.6
-7.5°	142.4	153.0	173.5	214.5	301.0	499.3	865.2	1461.2	2387.3	3574.8	5366.2
-10°	141.9	150.7	166.5	198.7	267.8	414.2	671.4	1136.9	1892.2	2832.6	3930.1
-12.5°	139.4	147.1	157.7	182.9	233.6	330.4	529.2	867.3	1351.0	2059.7	2733.1
-15°	134.7	142.8	151.6	171.5	204.1	268.8	388.8	588.3	928.5	1337.0	1831.9
-17.5°	127.7	138.0	146.5	158.4	182.2	223.0	291.6	413.5	582.2	850.6	1102.9
-20°	120.6	132.3	140.5	150.2	166.0	189.2	231.0	291.3	382.7	517.1	649.3



REPORT NUMBER: P561392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-TS-BK

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	112.6	123.7	133.6	142.3	151.4	167.4	189.5	224.0	266.5	326.1	403.7
-25°	105.0	114.7	125.2	134.7	142.4	150.2	165.4	183.5	205.8	233.6	265.0
-27.5°	98.7	107.2	116.0	126.3	134.4	141.5	149.6	159.3	173.0	183.4	199.5
-30°	92.4	100.0	108.0	116.0	125.2	133.0	139.6	146.4	152.9	159.8	168.4
-32.5°	87.8	92.6	99.8	107.2	114.2	122.1	129.9	136.5	141.6	147.2	152.4
-35°	83.7	87.1	91.2	98.2	104.7	110.9	118.0	125.7	132.9	138.5	143.3
-37.5°	81.4	83.0	85.9	89.5	95.1	100.8	106.5	112.9	119.2	124.4	130.0
-40°	79.6	81.0	82.4	84.2	87.5	90.5	95.4	99.8	104.1	108.6	112.3
-42.5°	77.9	79.2	80.4	81.6	82.8	84.6	87.1	89.4	91.9	94.8	97.4
-45°	76.9	77.9	79.0	80.0	80.6	81.6	82.5	83.2	84.4	85.6	86.6
-47.5°	75.9	77.0	78.0	78.9	79.4	79.9	80.4	80.6	80.8	81.0	81.1
-50°	74.4	75.5	76.5	77.7	78.3	78.7	79.1	79.1	79.0	78.9	78.7
-52.5°	72.4	73.5	74.5	75.4	76.3	77.1	77.8	77.8	77.7	77.5	77.3
-55°	69.8	71.2	72.3	73.1	73.9	74.7	75.3	75.8	76.0	76.1	75.9
-57.5°	66.5	68.4	70.0	70.8	71.6	72.2	72.9	73.4	73.9	74.2	74.2
-60°	63.0	64.2	65.9	67.5	68.8	69.8	70.4	70.9	71.3	71.6	71.5
-62.5°	59.5	60.9	62.1	63.4	64.8	66.1	66.9	67.5	68.1	68.5	68.6
-65°	54.9	56.6	57.9	59.1	60.2	61.3	62.2	63.0	63.7	64.3	64.8
-67.5°	48.9	50.9	52.6	54.2	55.3	56.3	57.1	57.8	58.4	58.9	59.3
-70°	43.0	44.5	45.7	47.0	48.3	49.5	50.6	51.5	52.4	52.9	53.2
-72.5°	36.7	38.3	39.4	40.3	41.1	42.0	42.9	43.8	44.5	45.1	45.6
-75°	29.2	30.3	31.3	32.1	32.9	33.8	34.8	35.6	36.3	36.9	37.4
-77.5°	22.6	23.3	23.9	24.4	24.9	25.5	26.2	26.8	27.3	27.7	28.1
-80°	15.9	16.6	17.2	17.6	18.0	18.4	18.8	19.2	19.6	19.8	20.0
-82.5°	9.9	10.4	10.9	11.3	11.8	12.1	12.4	12.7	13.0	12.9	12.7
-85°	5.3	5.5	5.7	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.7
-87.5°	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.6	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: P561392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-TS-BK

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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6
85°	6.7	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.5	6.4
82.5°	12.5	12.2	12.3	12.3	12.3	12.2	12.5	12.7	12.9	13.0	12.7
80°	20.2	20.4	20.5	20.5	20.5	20.4	20.2	20.0	19.8	19.6	19.2
77.5°	28.3	28.5	28.7	28.7	28.7	28.5	28.3	28.1	27.7	27.3	26.8
75°	37.8	38.1	37.6	36.9	37.6	38.1	37.8	37.4	36.9	36.3	35.6
72.5°	46.0	46.3	46.4	46.5	46.4	46.3	46.0	45.6	45.1	44.5	43.8
70°	53.3	53.2	53.3	53.4	53.3	53.2	53.3	53.2	52.9	52.4	51.5
67.5°	59.7	60.0	60.1	60.2	60.1	60.0	59.7	59.3	58.9	58.4	57.8
65°	65.2	65.5	65.0	64.3	65.0	65.5	65.2	64.8	64.3	63.7	63.0
62.5°	68.6	68.4	68.4	68.4	68.4	68.4	68.6	68.6	68.5	68.1	67.5
60°	71.3	71.1	71.1	71.1	71.1	71.1	71.3	71.5	71.6	71.3	70.9
57.5°	74.1	73.9	73.9	73.9	73.9	73.9	74.1	74.2	74.2	73.9	73.4
55°	75.6	75.3	75.2	75.2	75.2	75.3	75.6	75.9	76.1	76.0	75.8
52.5°	77.0	76.7	76.6	76.6	76.6	76.7	77.0	77.3	77.5	77.7	77.8
50°	78.4	78.1	78.0	78.0	78.0	78.1	78.4	78.7	78.9	79.0	79.1
47.5°	81.5	81.8	82.0	82.1	82.0	81.8	81.5	81.1	81.0	80.8	80.6
45°	87.6	88.3	88.8	88.9	88.8	88.3	87.6	86.6	85.6	84.4	83.2
42.5°	99.7	101.3	102.3	102.6	102.3	101.3	99.7	97.4	94.8	91.9	89.4
40°	114.5	115.5	115.9	116.3	115.9	115.5	114.5	112.3	108.6	104.1	99.8
37.5°	132.4	132.0	130.9	131.3	130.9	132.0	132.4	130.0	124.4	119.2	112.9
35°	145.1	144.2	142.9	140.9	142.9	144.2	145.1	143.3	138.5	132.9	125.7
32.5°	155.4	156.3	156.7	155.9	156.7	156.3	155.4	152.4	147.2	141.6	136.5
30°	175.0	179.5	182.3	183.3	182.3	179.5	175.0	168.4	159.8	152.9	146.4
27.5°	214.5	226.3	235.0	238.1	235.0	226.3	214.5	199.5	183.4	173.0	159.3
25°	296.2	325.3	341.6	344.7	341.6	325.3	296.2	265.0	233.6	205.8	183.5
22.5°	482.2	536.5	567.8	575.9	567.8	536.5	482.2	403.7	326.1	266.5	224.0
20°	827.1	950.0	1014.6	1028.7	1014.6	950.0	827.1	649.3	517.1	382.7	291.3
17.5°	1388.2	1628.3	1764.1	1810.6	1764.1	1628.3	1388.2	1102.9	850.6	582.2	413.5
15°	2243.2	2567.0	2789.0	2819.4	2789.0	2567.0	2243.2	1831.9	1337.0	928.5	588.3
12.5°	3363.1	4009.5	4534.9	4723.7	4534.9	4009.5	3363.1	2733.1	2059.7	1351.0	867.3
10°	5146.5	6899.0	8673.4	9261.2	8673.4	6899.0	5146.5	3930.1	2832.6	1892.2	1136.9
7.5°	8496.9	13401.8	18866.4	21389.8	18866.4	13401.8	8496.9	5366.2	3574.8	2387.3	1461.2
5°	13094.8	25140.8	38142.1	43871.2	38142.1	25140.8	13094.8	7163.6	4265.4	2773.1	1734.7
2.5°	18904.5	38175.0	60851.6	70477.8	60851.6	38175.0	18904.5	8984.1	4844.7	3014.2	1924.2
0°	22216.7	43932.7	71584.4	83917.5	71584.4	43932.7	22216.7	9863.2	5140.8	3116.3	2017.7
-2.5°	18904.5	38175.0	60851.6	70477.8	60851.6	38175.0	18904.5	8984.1	4844.7	3014.2	1924.2
-5°	13094.8	25140.8	38142.1	43871.2	38142.1	25140.8	13094.8	7163.6	4265.4	2773.1	1734.7
-7.5°	8496.9	13401.8	18866.4	21389.8	18866.4	13401.8	8496.9	5366.2	3574.8	2387.3	1461.2
-10°	5146.5	6899.0	8673.4	9261.2	8673.4	6899.0	5146.5	3930.1	2832.6	1892.2	1136.9
-12.5°	3363.1	4009.5	4534.9	4723.7	4534.9	4009.5	3363.1	2733.1	2059.7	1351.0	867.3
-15°	2243.2	2567.0	2789.0	2819.4	2789.0	2567.0	2243.2	1831.9	1337.0	928.5	588.3
-17.5°	1388.2	1628.3	1764.1	1810.5	1764.1	1628.3	1388.2	1102.9	850.6	582.2	413.5
-20°	827.1	950.0	1014.6	1028.7	1014.6	950.0	827.1	649.3	517.1	382.7	291.3



REPORT NUMBER: P561392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-TS-BK

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	482.2	536.5	567.8	575.9	567.8	536.5	482.2	403.7	326.1	266.5	224.0
-25°	296.2	325.3	341.6	344.7	341.6	325.3	296.2	265.0	233.6	205.8	183.5
-27.5°	214.5	226.3	235.0	238.1	235.0	226.3	214.5	199.5	183.4	173.0	159.3
-30°	175.0	179.5	182.3	183.3	182.3	179.5	175.0	168.4	159.8	152.9	146.4
-32.5°	155.4	156.3	156.7	155.9	156.7	156.3	155.4	152.4	147.2	141.6	136.5
-35°	145.1	144.2	142.9	140.9	142.9	144.2	145.1	143.3	138.5	132.9	125.7
-37.5°	132.4	132.0	130.9	131.3	130.9	132.0	132.4	130.0	124.4	119.2	112.9
-40°	114.5	115.5	115.9	116.3	115.9	115.5	114.5	112.3	108.6	104.1	99.8
-42.5°	99.7	101.3	102.3	102.6	102.3	101.3	99.7	97.4	94.8	91.9	89.4
-45°	87.6	88.3	88.8	88.9	88.8	88.3	87.6	86.6	85.6	84.4	83.2
-47.5°	81.5	81.8	82.0	82.1	82.0	81.8	81.5	81.1	81.0	80.8	80.6
-50°	78.4	78.1	78.0	78.0	78.0	78.1	78.4	78.7	78.9	79.0	79.1
-52.5°	77.0	76.7	76.6	76.6	76.6	76.7	77.0	77.3	77.5	77.7	77.8
-55°	75.6	75.3	75.2	75.2	75.2	75.3	75.6	75.9	76.1	76.0	75.8
-57.5°	74.1	73.9	73.9	73.9	73.9	73.9	74.1	74.2	74.2	73.9	73.4
-60°	71.3	71.1	71.1	71.1	71.1	71.1	71.3	71.5	71.6	71.3	70.9
-62.5°	68.6	68.4	68.4	68.4	68.4	68.4	68.6	68.6	68.5	68.1	67.5
-65°	65.2	65.5	65.0	64.3	65.0	65.5	65.2	64.8	64.3	63.7	63.0
-67.5°	59.7	60.0	60.1	60.2	60.1	60.0	59.7	59.3	58.9	58.4	57.8
-70°	53.3	53.2	53.3	53.4	53.3	53.2	53.3	53.2	52.9	52.4	51.5
-72.5°	46.0	46.3	46.4	46.5	46.4	46.3	46.0	45.6	45.1	44.5	43.8
-75°	37.8	38.1	37.6	36.9	37.6	38.1	37.8	37.4	36.9	36.3	35.6
-77.5°	28.3	28.5	28.7	28.7	28.7	28.5	28.3	28.1	27.7	27.3	26.8
-80°	20.2	20.4	20.5	20.5	20.5	20.4	20.2	20.0	19.8	19.6	19.2
-82.5°	12.5	12.2	12.3	12.3	12.3	12.2	12.5	12.7	12.9	13.0	12.7
-85°	6.7	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.5	6.4
-87.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6
-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: P561392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-TS-BK

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°	2.5	2.5	2.4	2.4	2.3	2.3	2.2	2.1	2.1	2.0	1.9
85°	6.3	6.2	6.0	5.9	5.7	5.5	5.3	5.1	4.9	4.6	4.4
82.5°	12.4	12.1	11.8	11.3	10.9	10.4	9.9	9.4	8.8	8.2	7.6
80°	18.8	18.4	18.0	17.6	17.2	16.6	15.9	15.1	14.2	13.3	12.5
77.5°	26.2	25.5	24.9	24.4	23.9	23.3	22.6	21.5	20.4	19.2	18.0
75°	34.8	33.8	32.9	32.1	31.3	30.3	29.2	28.0	26.6	25.2	23.7
72.5°	42.9	42.0	41.1	40.3	39.4	38.3	36.7	34.8	33.0	31.1	29.4
70°	50.6	49.5	48.3	47.0	45.7	44.5	43.0	41.3	39.3	37.1	35.2
67.5°	57.1	56.3	55.3	54.2	52.6	50.9	48.9	47.0	45.1	42.9	40.9
65°	62.2	61.3	60.2	59.1	57.9	56.6	54.9	52.8	50.5	48.4	46.5
62.5°	66.9	66.1	64.8	63.4	62.1	60.9	59.5	57.7	55.5	53.3	51.3
60°	70.4	69.8	68.8	67.5	65.9	64.2	63.0	61.6	60.2	57.9	55.7
57.5°	72.9	72.2	71.6	70.8	70.0	68.4	66.5	64.7	63.2	61.7	59.8
55°	75.3	74.7	73.9	73.1	72.3	71.2	69.8	67.9	66.1	64.8	63.0
52.5°	77.8	77.1	76.3	75.4	74.5	73.5	72.4	70.7	69.1	67.6	66.0
50°	79.1	78.7	78.3	77.7	76.5	75.5	74.4	73.2	72.0	70.4	68.7
47.5°	80.4	79.9	79.4	78.9	78.0	77.0	75.9	75.1	74.0	73.2	71.3
45°	82.5	81.6	80.6	80.0	79.0	77.9	76.9	76.3	75.4	74.5	73.9
42.5°	87.1	84.6	82.8	81.6	80.4	79.2	77.9	77.5	76.9	75.6	74.7
40°	95.4	90.5	87.5	84.2	82.4	81.0	79.6	78.6	78.2	77.3	75.8
37.5°	106.5	100.8	95.1	89.5	85.9	83.0	81.4	80.0	79.1	78.6	77.5
35°	118.0	110.9	104.7	98.2	91.2	87.1	83.7	81.5	80.2	79.5	78.9
32.5°	129.9	122.1	114.2	107.2	99.8	92.6	87.8	84.0	81.4	80.5	79.8
30°	139.6	133.0	125.2	116.0	108.0	100.0	92.4	87.3	83.5	81.4	80.6
27.5°	149.6	141.5	134.4	126.3	116.0	107.2	98.7	90.9	85.6	82.8	81.5
25°	165.4	150.2	142.4	134.7	125.2	114.7	105.0	95.9	88.9	84.2	82.0
22.5°	189.5	167.4	151.4	142.3	133.6	123.7	112.6	101.0	91.9	85.9	83.0
20°	231.0	189.2	166.0	150.2	140.5	132.3	120.6	107.2	96.0	88.2	83.9
17.5°	291.6	223.0	182.2	158.4	146.5	138.0	127.7	113.5	100.0	90.0	84.7
15°	388.8	268.8	204.1	171.5	151.6	142.8	134.7	119.2	104.1	92.4	86.0
12.5°	529.2	330.4	233.6	182.9	157.7	147.1	139.4	124.8	108.4	95.3	87.1
10°	671.4	414.2	267.8	198.7	166.5	150.7	141.9	128.3	111.3	97.6	88.2
7.5°	865.2	499.3	301.0	214.5	173.5	153.0	142.4	130.0	113.1	99.2	89.0
5°	1006.8	564.8	334.3	227.8	178.9	155.2	142.8	130.4	113.8	100.2	89.7
2.5°	1105.4	611.5	355.3	238.2	182.3	156.2	142.5	130.8	114.5	100.9	90.2
0°	1146.4	626.5	363.9	242.1	183.3	154.6	140.9	131.3	114.9	101.2	90.3
-2.5°	1105.4	611.5	355.3	238.2	182.3	156.2	142.5	130.8	114.5	100.9	90.2
-5°	1006.8	564.8	334.3	227.8	178.9	155.2	142.8	130.4	113.8	100.2	89.7
-7.5°	865.2	499.3	301.0	214.5	173.5	153.0	142.4	130.0	113.1	99.2	89.0
-10°	671.4	414.2	267.8	198.7	166.5	150.7	141.9	128.3	111.3	97.6	88.2
-12.5°	529.2	330.4	233.6	182.9	157.7	147.1	139.4	124.8	108.4	95.3	87.1
-15°	388.8	268.8	204.1	171.5	151.6	142.8	134.7	119.2	104.1	92.4	86.0
-17.5°	291.6	223.0	182.2	158.4	146.5	138.0	127.7	113.5	100.0	90.0	84.7
-20°	231.0	189.2	166.0	150.2	140.5	132.3	120.6	107.2	96.0	88.2	83.9



REPORT NUMBER: P561392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-TS-BK

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	189.5	167.4	151.4	142.3	133.6	123.7	112.6	101.0	91.9	85.9	83.0
-25°	165.4	150.2	142.4	134.7	125.2	114.7	105.0	95.9	88.9	84.2	82.0
-27.5°	149.6	141.5	134.4	126.3	116.0	107.2	98.7	90.9	85.6	82.8	81.5
-30°	139.6	133.0	125.2	116.0	108.0	100.0	92.4	87.3	83.5	81.4	80.6
-32.5°	129.9	122.1	114.2	107.2	99.8	92.6	87.8	84.0	81.4	80.5	79.8
-35°	118.0	110.9	104.7	98.2	91.2	87.1	83.7	81.5	80.2	79.5	78.9
-37.5°	106.5	100.8	95.1	89.5	85.9	83.0	81.4	80.0	79.1	78.6	77.5
-40°	95.4	90.5	87.5	84.2	82.4	81.0	79.6	78.6	78.2	77.3	75.8
-42.5°	87.1	84.6	82.8	81.6	80.4	79.2	77.9	77.5	76.9	75.6	74.7
-45°	82.5	81.6	80.6	80.0	79.0	77.9	76.9	76.3	75.4	74.5	73.9
-47.5°	80.4	79.9	79.4	78.9	78.0	77.0	75.9	75.1	74.0	73.2	71.3
-50°	79.1	78.7	78.3	77.7	76.5	75.5	74.4	73.2	72.0	70.4	68.7
-52.5°	77.8	77.1	76.3	75.4	74.5	73.5	72.4	70.7	69.1	67.6	66.0
-55°	75.3	74.7	73.9	73.1	72.3	71.2	69.8	67.9	66.1	64.8	63.0
-57.5°	72.9	72.2	71.6	70.8	70.0	68.4	66.5	64.7	63.2	61.7	59.8
-60°	70.4	69.8	68.8	67.5	65.9	64.2	63.0	61.6	60.2	57.9	55.7
-62.5°	66.9	66.1	64.8	63.4	62.1	60.9	59.5	57.7	55.5	53.3	51.3
-65°	62.2	61.3	60.2	59.1	57.9	56.6	54.9	52.8	50.5	48.4	46.5
-67.5°	57.1	56.3	55.3	54.2	52.6	50.9	48.9	47.0	45.1	42.9	40.9
-70°	50.6	49.5	48.3	47.0	45.7	44.5	43.0	41.3	39.3	37.1	35.2
-72.5°	42.9	42.0	41.1	40.3	39.4	38.3	36.7	34.8	33.0	31.1	29.4
-75°	34.8	33.8	32.9	32.1	31.3	30.3	29.2	28.0	26.6	25.2	23.7
-77.5°	26.2	25.5	24.9	24.4	23.9	23.3	22.6	21.5	20.4	19.2	18.0
-80°	18.8	18.4	18.0	17.6	17.2	16.6	15.9	15.1	14.2	13.3	12.5
-82.5°	12.4	12.1	11.8	11.3	10.9	10.4	9.9	9.4	8.8	8.2	7.6
-85°	6.3	6.2	6.0	5.9	5.7	5.5	5.3	5.1	4.9	4.6	4.4
-87.5°	2.5	2.5	2.4	2.4	2.3	2.3	2.2	2.1	2.1	2.0	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



REPORT NUMBER: P561392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-TS-BK

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°	1.8	1.7	1.6	1.5	1.5	1.3	1.2	1.1	1.0	0.9	0.8
85°	4.1	3.9	3.6	3.3	3.0	2.7	2.5	2.3	2.1	1.8	1.6
82.5°	7.0	6.5	6.1	5.7	5.4	5.1	4.7	4.2	3.5	2.8	2.4
80°	11.6	10.7	9.7	8.8	8.1	7.5	7.1	6.5	5.6	4.7	3.8
77.5°	16.7	15.3	13.9	12.7	11.6	10.6	9.6	8.7	7.7	6.5	5.4
75°	22.1	20.5	18.8	17.0	15.2	13.5	12.2	11.0	9.7	8.4	7.0
72.5°	27.5	25.7	23.7	21.5	19.2	17.1	15.0	13.3	11.7	10.2	8.6
70°	33.1	30.8	28.5	26.1	23.4	20.5	18.1	15.9	13.8	12.0	10.2
67.5°	38.9	36.5	33.8	30.8	27.9	24.7	21.3	18.6	16.2	13.8	11.7
65°	44.3	41.9	39.3	35.7	32.3	29.0	25.3	21.6	18.6	15.9	13.3
62.5°	49.2	46.9	44.0	40.5	36.7	33.0	29.4	25.3	21.2	18.0	15.0
60°	53.5	51.2	48.5	45.0	41.0	36.8	32.9	28.9	24.5	20.1	16.8
57.5°	57.4	55.1	52.2	49.1	45.3	40.6	36.2	32.1	27.7	22.8	18.6
55°	60.8	58.3	55.7	52.5	49.1	44.7	39.7	35.1	30.7	25.5	20.3
52.5°	64.0	61.5	58.9	55.8	52.2	48.5	43.4	38.0	33.3	28.2	22.6
50°	66.9	64.5	61.9	58.9	55.3	51.4	47.0	41.2	35.8	30.8	24.8
47.5°	69.3	67.0	64.3	61.8	58.2	54.2	49.9	44.4	38.2	32.9	26.9
45°	71.7	69.5	66.7	63.9	61.1	56.9	52.6	47.5	41.0	35.0	28.9
42.5°	73.7	71.6	69.1	65.7	63.0	59.4	55.2	50.0	43.6	37.0	30.7
40°	74.8	73.3	71.3	68.1	64.8	61.6	57.3	52.3	46.1	39.0	32.4
37.5°	75.9	74.5	72.6	70.2	66.6	63.3	59.2	54.7	48.4	41.1	34.1
35°	77.4	75.7	73.8	71.7	68.5	64.9	61.0	56.7	50.2	42.9	35.7
32.5°	78.9	77.0	74.9	72.7	70.1	66.6	62.5	58.0	51.9	44.7	37.2
30°	79.8	78.0	75.9	73.7	71.4	68.0	63.9	59.2	53.5	46.3	38.6
27.5°	80.3	79.0	76.8	74.5	72.2	69.2	65.2	60.5	55.0	47.7	39.9
25°	80.8	79.7	77.7	75.3	72.9	70.2	66.4	61.6	56.1	48.9	41.1
22.5°	81.3	80.1	78.5	76.1	73.6	71.1	67.4	62.6	57.0	49.9	42.1
20°	81.8	80.5	79.1	76.7	74.3	71.7	68.2	63.5	57.9	50.9	43.0
17.5°	82.2	80.8	79.3	77.2	74.8	72.2	68.8	64.3	58.7	51.7	43.8
15°	82.8	80.9	79.4	77.6	75.3	72.6	69.4	65.0	59.4	52.4	44.6
12.5°	83.2	81.2	79.4	77.8	75.7	73.0	69.9	65.6	60.1	53.1	45.4
10°	83.4	81.4	79.3	77.9	76.0	73.3	70.4	66.1	60.6	53.7	46.1
7.5°	83.4	81.7	79.2	77.8	76.2	73.6	70.7	66.5	61.0	54.2	46.7
5°	83.4	81.7	79.2	77.9	76.0	73.8	70.9	66.8	61.4	54.5	47.2
2.5°	84.1	81.3	79.3	78.0	75.6	73.9	71.1	66.9	61.5	54.6	47.6
0°	84.8	80.7	79.3	78.0	75.2	73.9	71.1	67.0	61.6	54.7	47.9
-2.5°	84.1	81.3	79.3	78.0	75.6	73.9	71.1	66.9	61.5	54.6	47.6
-5°	83.4	81.7	79.2	77.9	76.0	73.8	70.9	66.8	61.4	54.5	47.2
-7.5°	83.4	81.7	79.2	77.8	76.2	73.6	70.7	66.5	61.0	54.2	46.7
-10°	83.4	81.4	79.3	77.9	76.0	73.3	70.4	66.1	60.6	53.7	46.1
-12.5°	83.2	81.2	79.4	77.8	75.7	73.0	69.9	65.6	60.1	53.1	45.4
-15°	82.8	80.9	79.4	77.6	75.3	72.6	69.4	65.0	59.4	52.4	44.6
-17.5°	82.2	80.8	79.3	77.2	74.8	72.2	68.8	64.3	58.7	51.7	43.8
-20°	81.8	80.5	79.1	76.7	74.3	71.7	68.2	63.5	57.9	50.9	43.0



REPORT NUMBER: P561392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-TS-BK

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	81.3	80.1	78.5	76.1	73.6	71.1	67.4	62.6	57.0	49.9	42.1
-25°	80.8	79.7	77.7	75.3	72.9	70.2	66.4	61.6	56.1	48.9	41.1
-27.5°	80.3	79.0	76.8	74.5	72.2	69.2	65.2	60.5	55.0	47.7	39.9
-30°	79.8	78.0	75.9	73.7	71.4	68.0	63.9	59.2	53.5	46.3	38.6
-32.5°	78.9	77.0	74.9	72.7	70.1	66.6	62.5	58.0	51.9	44.7	37.2
-35°	77.4	75.7	73.8	71.7	68.5	64.9	61.0	56.7	50.2	42.9	35.7
-37.5°	75.9	74.5	72.6	70.2	66.6	63.3	59.2	54.7	48.4	41.1	34.1
-40°	74.8	73.3	71.3	68.1	64.8	61.6	57.3	52.3	46.1	39.0	32.4
-42.5°	73.7	71.6	69.1	65.7	63.0	59.4	55.2	50.0	43.6	37.0	30.7
-45°	71.7	69.5	66.7	63.9	61.1	56.9	52.6	47.5	41.0	35.0	28.9
-47.5°	69.3	67.0	64.3	61.8	58.2	54.2	49.9	44.4	38.2	32.9	26.9
-50°	66.9	64.5	61.9	58.9	55.3	51.4	47.0	41.2	35.8	30.8	24.8
-52.5°	64.0	61.5	58.9	55.8	52.2	48.5	43.4	38.0	33.3	28.2	22.6
-55°	60.8	58.3	55.7	52.5	49.1	44.7	39.7	35.1	30.7	25.5	20.3
-57.5°	57.4	55.1	52.2	49.1	45.3	40.6	36.2	32.1	27.7	22.8	18.6
-60°	53.5	51.2	48.5	45.0	41.0	36.8	32.9	28.9	24.5	20.1	16.8
-62.5°	49.2	46.9	44.0	40.5	36.7	33.0	29.4	25.3	21.2	18.0	15.0
-65°	44.3	41.9	39.3	35.7	32.3	29.0	25.3	21.6	18.6	15.9	13.3
-67.5°	38.9	36.5	33.8	30.8	27.9	24.7	21.3	18.6	16.2	13.8	11.7
-70°	33.1	30.8	28.5	26.1	23.4	20.5	18.1	15.9	13.8	12.0	10.2
-72.5°	27.5	25.7	23.7	21.5	19.2	17.1	15.0	13.3	11.7	10.2	8.6
-75°	22.1	20.5	18.8	17.0	15.2	13.5	12.2	11.0	9.7	8.4	7.0
-77.5°	16.7	15.3	13.9	12.7	11.6	10.6	9.6	8.7	7.7	6.5	5.4
-80°	11.6	10.7	9.7	8.8	8.1	7.5	7.1	6.5	5.6	4.7	3.8
-82.5°	7.0	6.5	6.1	5.7	5.4	5.1	4.7	4.2	3.5	2.8	2.4
-85°	4.1	3.9	3.6	3.3	3.0	2.7	2.5	2.3	2.1	1.8	1.6
-87.5°	1.8	1.7	1.6	1.5	1.5	1.3	1.2	1.1	1.0	0.9	0.8
-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°	0.7	0.6	0.5	0.4	0.2	0.1	0.0
85°	1.4	1.2	0.9	0.7	0.5	0.2	0.0
82.5°	2.1	1.7	1.4	1.1	0.7	0.4	0.0
80°	2.9	2.3	1.9	1.4	0.9	0.5	0.0
77.5°	4.3	3.1	2.3	1.7	1.2	0.6	0.0
75°	5.7	4.3	2.9	2.1	1.4	0.7	0.0
72.5°	7.0	5.4	3.8	2.4	1.6	0.8	0.0
70°	8.4	6.5	4.7	2.8	1.8	0.9	0.0
67.5°	9.7	7.7	5.6	3.5	2.1	1.0	0.0
65°	11.0	8.7	6.5	4.2	2.3	1.1	0.0
62.5°	12.3	9.8	7.3	4.8	2.5	1.2	0.0
60°	13.6	10.9	8.2	5.4	2.7	1.3	0.0
57.5°	15.0	11.9	9.0	6.0	3.1	1.5	0.0
55°	16.5	12.9	9.8	6.6	3.5	1.5	0.0
52.5°	18.0	13.9	10.5	7.2	3.9	1.6	0.0
50°	19.3	15.1	11.3	7.8	4.3	1.7	0.0
47.5°	20.8	16.2	12.0	8.3	4.6	1.8	0.0
45°	22.5	17.2	12.7	8.9	5.0	1.9	0.0
42.5°	24.1	18.3	13.4	9.3	5.3	2.0	0.0
40°	25.6	19.3	14.1	9.8	5.6	2.1	0.0
37.5°	27.0	20.2	14.8	10.3	5.9	2.1	0.0
35°	28.3	21.2	15.5	10.7	6.2	2.2	0.0
32.5°	29.5	22.3	16.2	11.1	6.5	2.3	0.0
30°	30.7	23.2	16.8	11.5	6.7	2.3	0.0
27.5°	31.9	24.1	17.4	11.8	7.0	2.4	0.0
25°	32.9	24.8	17.9	12.1	7.2	2.4	0.0
22.5°	33.9	25.6	18.4	12.4	7.4	2.5	0.0
20°	34.8	26.3	18.8	12.7	7.5	2.5	0.0
17.5°	35.6	27.0	19.2	12.9	7.7	2.6	0.0
15°	36.4	27.7	19.6	13.1	7.8	2.6	0.0
12.5°	37.0	28.3	19.8	13.3	7.9	2.6	0.0
10°	37.5	28.8	20.1	13.4	8.0	2.7	0.0
7.5°	37.8	29.2	20.3	13.6	8.1	2.7	0.0
5°	38.1	29.6	20.4	13.6	8.2	2.7	0.0
2.5°	38.3	29.9	20.5	13.7	8.2	2.7	0.0
0°	38.3	30.1	20.5	13.7	8.2	2.7	0.0
-2.5°	38.3	29.9	20.5	13.7	8.2	2.7	0.0
-5°	38.1	29.6	20.4	13.6	8.2	2.7	0.0
-7.5°	37.8	29.2	20.3	13.6	8.1	2.7	0.0
-10°	37.5	28.8	20.1	13.4	8.0	2.7	0.0
-12.5°	37.0	28.3	19.8	13.3	7.9	2.6	0.0
-15°	36.4	27.7	19.6	13.1	7.8	2.6	0.0
-17.5°	35.6	27.0	19.2	12.9	7.7	2.6	0.0
-20°	34.8	26.3	18.8	12.7	7.5	2.5	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	33.9	25.6	18.4	12.4	7.4	2.5	0.0
-25°	32.9	24.8	17.9	12.1	7.2	2.4	0.0
-27.5°	31.9	24.1	17.4	11.8	7.0	2.4	0.0
-30°	30.7	23.2	16.8	11.5	6.7	2.3	0.0
-32.5°	29.5	22.3	16.2	11.1	6.5	2.3	0.0
-35°	28.3	21.2	15.5	10.7	6.2	2.2	0.0
-37.5°	27.0	20.2	14.8	10.3	5.9	2.1	0.0
-40°	25.6	19.3	14.1	9.8	5.6	2.1	0.0
-42.5°	24.1	18.3	13.4	9.3	5.3	2.0	0.0
-45°	22.5	17.2	12.7	8.9	5.0	1.9	0.0
-47.5°	20.8	16.2	12.0	8.3	4.6	1.8	0.0
-50°	19.3	15.1	11.3	7.8	4.3	1.7	0.0
-52.5°	18.0	13.9	10.5	7.2	3.9	1.6	0.0
-55°	16.5	12.9	9.8	6.6	3.5	1.5	0.0
-57.5°	15.0	11.9	9.0	6.0	3.1	1.5	0.0
-60°	13.6	10.9	8.2	5.4	2.7	1.3	0.0
-62.5°	12.3	9.8	7.3	4.8	2.5	1.2	0.0
-65°	11.0	8.7	6.5	4.2	2.3	1.1	0.0
-67.5°	9.7	7.7	5.6	3.5	2.1	1.0	0.0
-70°	8.4	6.5	4.7	2.8	1.8	0.9	0.0
-72.5°	7.0	5.4	3.8	2.4	1.6	0.8	0.0
-75°	5.7	4.3	2.9	2.1	1.4	0.7	0.0
-77.5°	4.3	3.1	2.3	1.7	1.2	0.6	0.0
-80°	2.9	2.3	1.9	1.4	0.9	0.5	0.0
-82.5°	2.1	1.7	1.4	1.1	0.7	0.4	0.0
-85°	1.4	1.2	0.9	0.7	0.5	0.2	0.0
-87.5°	0.7	0.6	0.5	0.4	0.2	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)