

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: P558517 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1B-940-U-MWR-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558517 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA1B-940-U-MWR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5
Light Source: (16) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

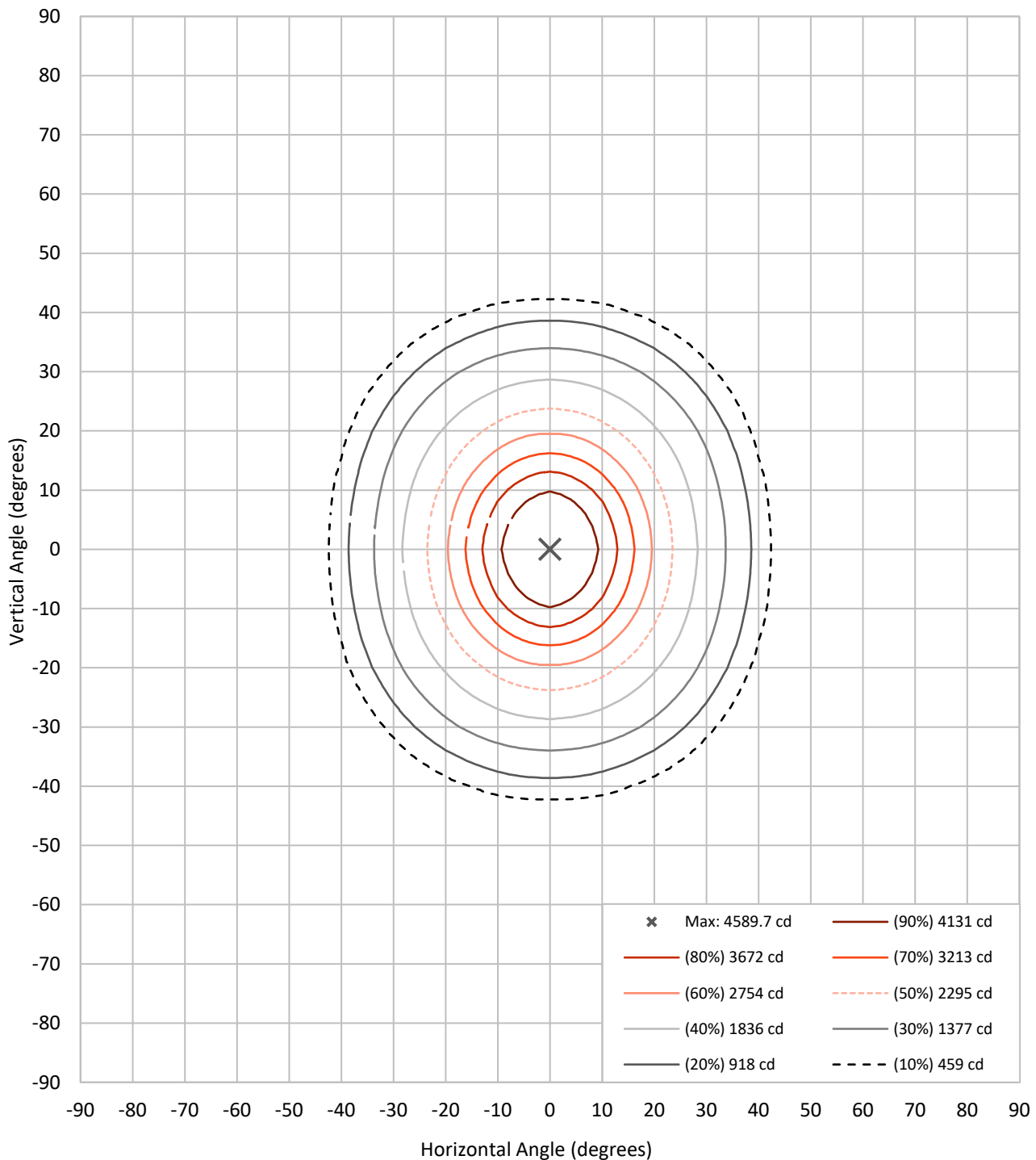
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	3572.8 lumens	Max Intensity:	4589.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	108.3 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	47°H x 47.6°V	Field Angle (10%):	84.6°H x 84.3°V
Beam Lumens:	1685.9 lumens	Field Lumens:	3244.1 lumens
Beam Efficiency:	47.2%	Field Efficiency:	90.8%

Input Watts (W): 33
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: P558517 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





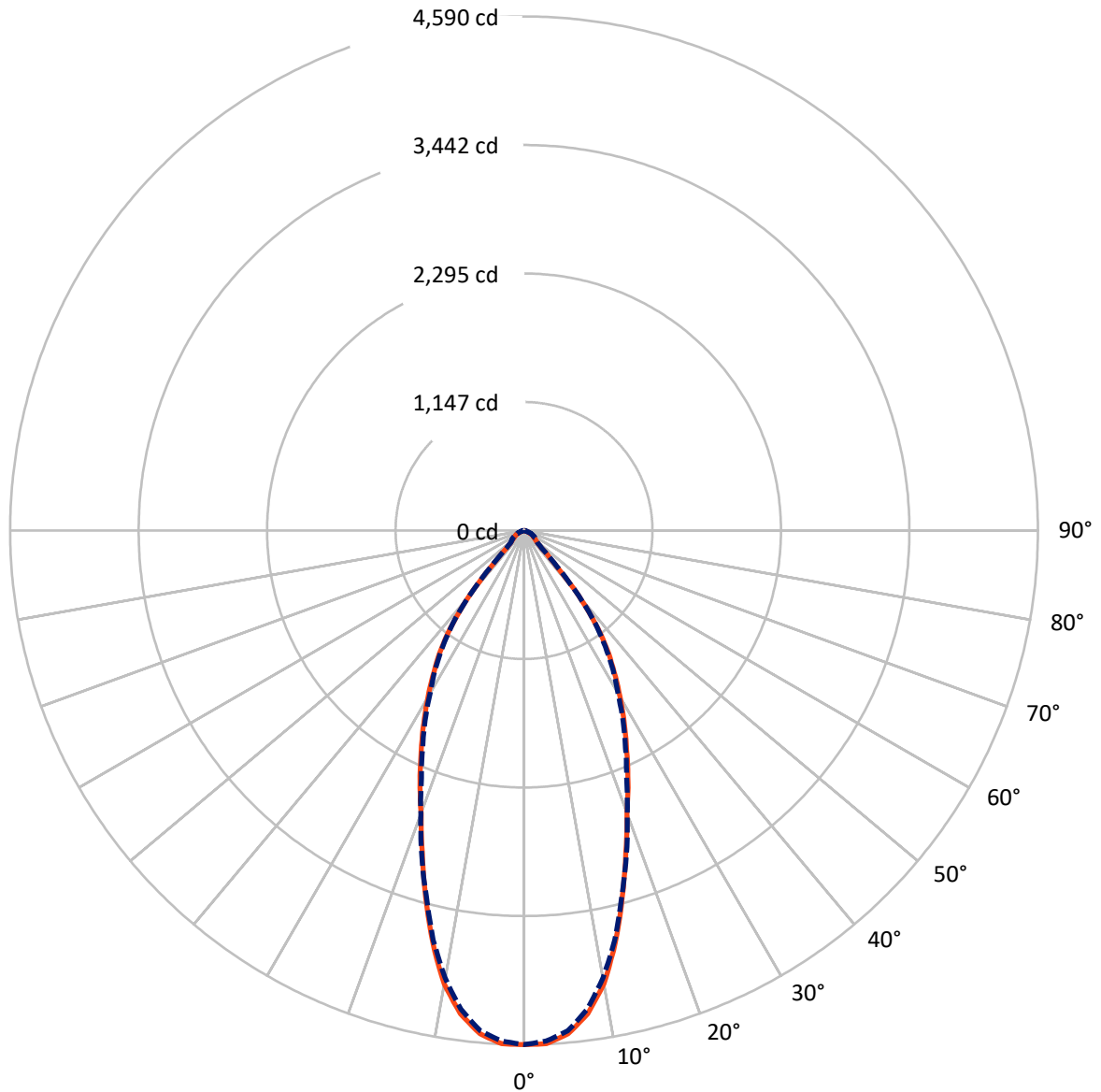
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Lumen Table

90																			
80	0.1	0.4		1.0		1.6		1.3		1.6		1.0		0.4		0.1			
70																			
60	0.2	0.3	0.5	0.8	1.1	1.4	1.6	1.8	1.8	1.6	1.4	1.1	0.8	0.5	0.3	0.2			
50		0.4	0.9	1.4	2.1	2.6	2.9	3.2	3.2	2.9	2.6	2.1	1.4	0.9	0.4				
40	0.4	0.6	1.2	2.0	2.9	4.0	6.3	8.9	8.9	6.3	4.0	2.9	2.0	1.2	0.6	0.4			
30		0.7	1.5	2.5	4.7	15.1	29.3	37.4	37.4	29.3	15.1	4.7	2.5	1.5	0.7				
20	0.4	0.8	1.7	3.1	13.8	36.0	53.1	64.3	64.3	53.1	36.0	13.8	3.1	1.7	0.8	0.4			
10		0.9	1.9	4.8	25.0	49.6	75.4	98.2	98.2	75.4	49.6	25.0	4.8	1.9	0.9				
0	0.4	1.0	2.1	6.6	30.5	57.9	94.9	128.3	128.3	94.9	57.9	30.5	6.6	2.1	1.0	0.4			
-10		1.0	2.1	6.6	30.5	57.9	94.9	128.3	128.3	94.9	57.9	30.5	6.6	2.1	1.0				
-20	0.4	0.9	1.9	4.8	25.0	49.6	75.4	98.2	98.2	75.4	49.6	25.0	4.8	1.9	0.9	0.4			
-30		0.8	1.7	3.1	13.8	36.0	53.1	64.3	64.3	53.1	36.0	13.8	3.1	1.7	0.8				
-40	0.4	0.7	1.5	2.5	4.7	15.1	29.3	37.4	37.4	29.3	15.1	4.7	2.5	1.5	0.7	0.4			
-50		0.6	1.2	2.0	2.9	4.0	6.3	8.9	8.9	6.3	4.0	2.9	2.0	1.2	0.6				
-60	0.2	0.4	0.9	1.4	2.1	2.6	2.9	3.2	3.2	2.9	2.6	2.1	1.4	0.9	0.4	0.2			
-70		0.3	0.5	0.8	1.1	1.4	1.6	1.8	1.8	1.6	1.4	1.1	0.8	0.5	0.3				
-80																			
-90	0.1	0.4		1.0		1.6		1.3		1.6		1.0		0.4		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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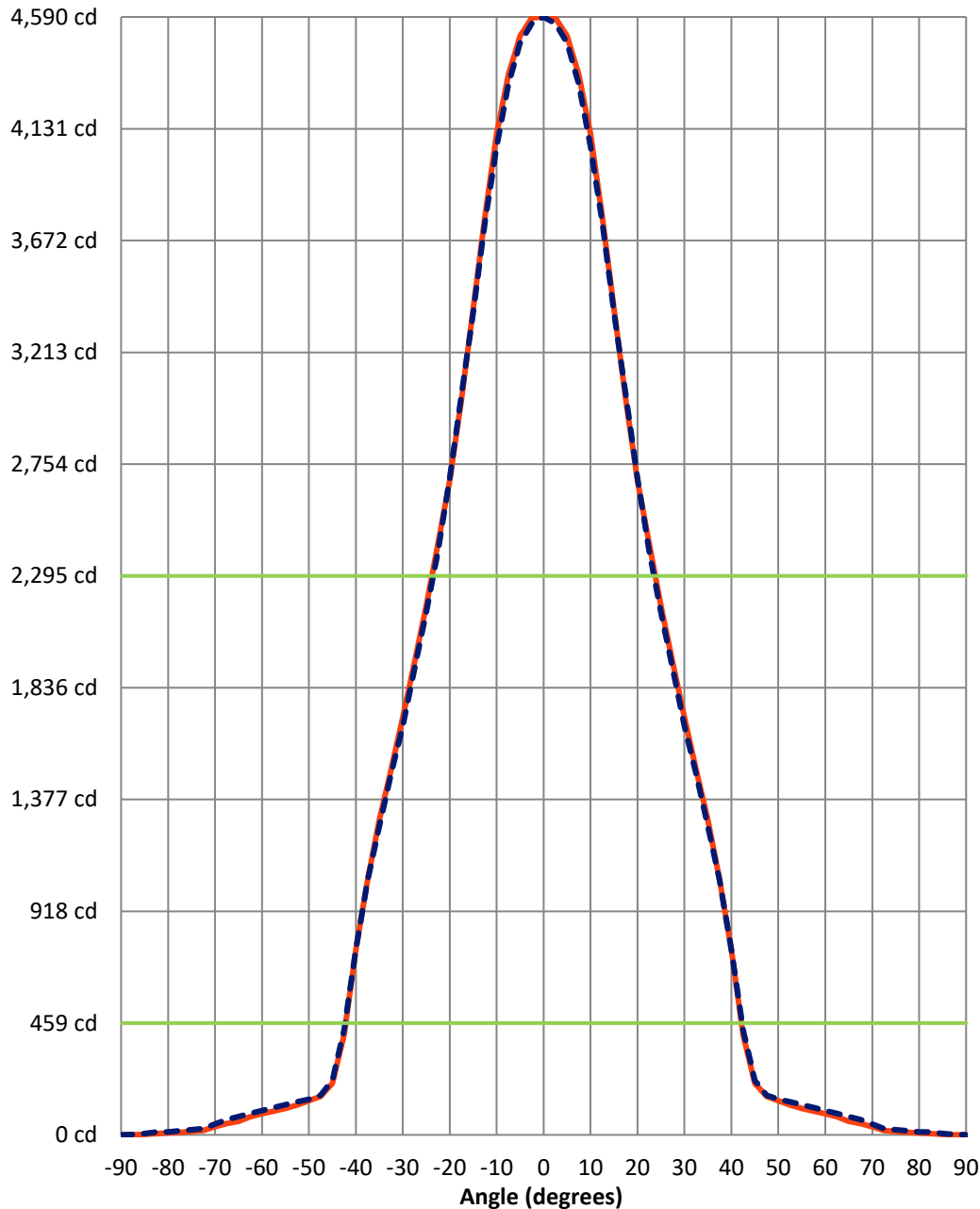
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 47°
V Angle: 47.6°
Lumens: 1685.9
Efficiency: 47.2%

Field:
H Angle: 84.6°
V Angle: 84.3°
Lumens: 3244.1
Efficiency: 90.8%

Spill:
Lumens: 328.7
Efficiency: 9.2%

— 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	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.8	0.9
85°	0.0	0.1	0.3	0.5	0.7	1.0	1.2	1.4	1.5	1.7	1.8
82.5°	0.0	0.2	0.4	0.7	1.1	1.4	1.9	2.1	2.4	2.8	3.2
80°	0.0	0.3	0.6	1.0	1.4	1.9	2.6	3.4	4.1	4.6	5.0
77.5°	0.0	0.4	0.7	1.2	1.8	2.6	4.0	5.1	5.8	6.4	6.9
75°	0.0	0.4	0.9	1.4	2.2	3.7	5.5	6.7	7.6	8.5	9.2
72.5°	0.0	0.5	1.0	1.7	3.0	4.8	6.9	8.5	9.8	10.8	11.6
70°	0.0	0.6	1.2	2.0	3.8	5.9	8.3	10.5	12.0	13.2	15.1
67.5°	0.0	0.7	1.3	2.5	4.6	6.9	9.9	12.5	14.2	16.2	18.7
65°	0.0	0.7	1.4	3.0	5.3	8.1	11.5	14.6	16.5	19.0	22.0
62.5°	0.0	0.8	1.6	3.5	6.1	9.2	13.0	16.4	18.8	21.8	25.1
60°	0.0	0.8	1.7	4.0	6.7	10.3	14.4	18.1	20.9	24.5	28.1
57.5°	0.0	0.9	2.0	4.5	7.5	11.4	15.4	19.7	23.2	27.3	30.8
55°	0.0	1.0	2.3	4.9	8.3	12.3	16.2	20.8	25.6	29.8	33.3
52.5°	0.0	1.0	2.6	5.4	9.0	13.2	16.9	22.2	27.9	32.0	35.7
50°	0.0	1.1	2.9	5.8	9.6	13.6	17.5	23.6	30.1	34.2	38.4
47.5°	0.0	1.1	3.1	6.1	10.2	14.0	18.0	24.8	32.0	36.3	41.0
45°	0.0	1.2	3.4	6.6	10.8	14.2	18.9	25.9	32.9	38.5	43.5
42.5°	0.0	1.3	3.6	6.9	11.3	14.4	19.6	26.6	33.7	40.7	46.1
40°	0.0	1.3	3.9	7.3	11.5	14.5	20.2	27.1	34.3	42.6	48.6
37.5°	0.0	1.3	4.1	7.7	11.6	14.5	20.7	27.4	35.0	43.5	51.0
35°	0.0	1.4	4.3	8.1	11.5	14.7	21.0	27.6	35.6	44.9	53.3
32.5°	0.0	1.4	4.5	8.5	11.5	14.9	21.2	27.7	36.1	46.6	55.4
30°	0.0	1.5	4.6	8.9	11.4	15.0	21.2	27.7	36.5	48.6	57.4
27.5°	0.0	1.5	4.8	9.2	11.5	15.1	21.0	27.9	37.2	50.8	59.4
25°	0.0	1.5	4.9	9.6	11.6	15.0	20.8	27.9	38.7	52.7	61.4
22.5°	0.0	1.6	5.1	9.9	11.7	15.0	20.5	27.9	40.2	54.2	63.8
20°	0.0	1.6	5.2	10.2	11.8	15.4	20.1	27.7	41.8	55.6	66.0
17.5°	0.0	1.6	5.3	10.5	11.9	15.8	20.1	27.5	43.4	57.0	67.9
15°	0.0	1.6	5.3	10.7	12.0	16.1	20.4	27.4	44.9	58.2	69.7
12.5°	0.0	1.7	5.4	11.0	12.0	16.3	20.6	27.5	46.0	59.2	71.1
10°	0.0	1.7	5.5	11.2	12.1	16.5	20.8	27.4	46.4	60.1	72.4
7.5°	0.0	1.7	5.5	11.4	12.1	16.7	20.9	27.2	46.4	61.0	73.5
5°	0.0	1.7	5.5	11.5	12.1	16.8	21.0	26.8	46.1	61.7	74.3
2.5°	0.0	1.7	5.5	11.6	12.1	16.9	21.0	26.4	45.4	62.3	74.8
0°	0.0	1.7	5.5	11.7	12.1	16.9	21.0	25.8	44.4	62.7	75.1
-2.5°	0.0	1.7	5.5	11.6	12.1	16.9	21.0	26.4	45.4	62.3	74.8
-5°	0.0	1.7	5.5	11.5	12.1	16.8	21.0	26.8	46.1	61.7	74.3
-7.5°	0.0	1.7	5.5	11.4	12.1	16.7	20.9	27.2	46.4	61.0	73.5
-10°	0.0	1.7	5.5	11.2	12.1	16.5	20.8	27.4	46.4	60.1	72.4
-12.5°	0.0	1.7	5.4	11.0	12.0	16.3	20.6	27.5	46.0	59.2	71.1
-15°	0.0	1.6	5.3	10.7	12.0	16.1	20.4	27.4	44.9	58.2	69.7
-17.5°	0.0	1.6	5.3	10.5	11.9	15.8	20.1	27.5	43.4	57.0	67.9
-20°	0.0	1.6	5.2	10.2	11.8	15.4	20.1	27.7	41.8	55.6	66.0



REPORT NUMBER: P558517 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1B-940-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	1.6	5.1	9.9	11.7	15.0	20.5	27.9	40.2	54.2	63.8
-25°	0.0	1.5	4.9	9.6	11.6	15.0	20.8	27.9	38.7	52.7	61.4
-27.5°	0.0	1.5	4.8	9.2	11.5	15.1	21.0	27.9	37.2	50.8	59.4
-30°	0.0	1.5	4.6	8.9	11.4	15.0	21.2	27.7	36.5	48.6	57.4
-32.5°	0.0	1.4	4.5	8.5	11.5	14.9	21.2	27.7	36.1	46.6	55.4
-35°	0.0	1.4	4.3	8.1	11.5	14.7	21.0	27.6	35.6	44.9	53.3
-37.5°	0.0	1.3	4.1	7.7	11.6	14.5	20.7	27.4	35.0	43.5	51.0
-40°	0.0	1.3	3.9	7.3	11.5	14.5	20.2	27.1	34.3	42.6	48.6
-42.5°	0.0	1.3	3.6	6.9	11.3	14.4	19.6	26.6	33.7	40.7	46.1
-45°	0.0	1.2	3.4	6.6	10.8	14.2	18.9	25.9	32.9	38.5	43.5
-47.5°	0.0	1.1	3.1	6.1	10.2	14.0	18.0	24.8	32.0	36.3	41.0
-50°	0.0	1.1	2.9	5.8	9.6	13.6	17.5	23.6	30.1	34.2	38.4
-52.5°	0.0	1.0	2.6	5.4	9.0	13.2	16.9	22.2	27.9	32.0	35.7
-55°	0.0	1.0	2.3	4.9	8.3	12.3	16.2	20.8	25.6	29.8	33.3
-57.5°	0.0	0.9	2.0	4.5	7.5	11.4	15.4	19.7	23.2	27.3	30.8
-60°	0.0	0.8	1.7	4.0	6.7	10.3	14.4	18.1	20.9	24.5	28.1
-62.5°	0.0	0.8	1.6	3.5	6.1	9.2	13.0	16.4	18.8	21.8	25.1
-65°	0.0	0.7	1.4	3.0	5.3	8.1	11.5	14.6	16.5	19.0	22.0
-67.5°	0.0	0.7	1.3	2.5	4.6	6.9	9.9	12.5	14.2	16.2	18.7
-70°	0.0	0.6	1.2	2.0	3.8	5.9	8.3	10.5	12.0	13.2	15.1
-72.5°	0.0	0.5	1.0	1.7	3.0	4.8	6.9	8.5	9.8	10.8	11.6
-75°	0.0	0.4	0.9	1.4	2.2	3.7	5.5	6.7	7.6	8.5	9.2
-77.5°	0.0	0.4	0.7	1.2	1.8	2.6	4.0	5.1	5.8	6.4	6.9
-80°	0.0	0.3	0.6	1.0	1.4	1.9	2.6	3.4	4.1	4.6	5.0
-82.5°	0.0	0.2	0.4	0.7	1.1	1.4	1.9	2.1	2.4	2.8	3.2
-85°	0.0	0.1	0.3	0.5	0.7	1.0	1.2	1.4	1.5	1.7	1.8
-87.5°	0.0	0.1	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.8	0.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.5	0.5	0.5	0.6
85°	1.8	1.8	1.9	2.0	2.0	2.0	2.0	1.8	2.1	2.4	2.8
82.5°	3.5	3.8	4.1	4.4	4.4	4.2	4.1	3.9	4.5	5.3	6.1
80°	5.4	5.8	6.5	7.2	7.4	7.3	7.1	6.7	7.5	8.8	10.2
77.5°	7.7	8.6	9.6	10.6	10.8	10.6	10.1	9.4	10.5	12.5	14.7
75°	10.2	11.4	12.9	14.1	14.4	14.0	13.3	12.6	13.9	16.4	18.8
72.5°	13.4	15.3	16.8	17.9	17.9	17.5	17.2	16.8	18.3	21.2	23.7
70°	17.4	19.3	20.5	21.1	21.2	21.4	22.4	23.4	24.8	27.3	29.3
67.5°	21.3	22.9	23.9	24.6	26.1	27.5	28.9	30.3	31.9	34.0	35.5
65°	24.8	26.4	27.8	29.6	31.7	33.5	35.3	37.2	39.4	41.4	42.9
62.5°	28.3	30.0	32.0	34.3	36.8	39.2	41.8	44.5	47.1	49.4	51.9
60°	31.2	33.5	36.1	38.9	42.0	45.4	48.6	51.7	54.6	57.4	60.9
57.5°	33.9	37.0	40.2	43.6	47.6	51.8	55.5	59.0	62.6	66.7	70.1
55°	36.8	40.7	44.3	48.4	53.1	58.2	62.3	66.2	70.7	75.6	79.4
52.5°	39.9	44.2	48.4	53.4	59.1	64.1	68.4	73.3	78.7	84.0	88.5
50°	42.9	47.6	52.6	58.8	64.5	69.3	74.7	80.5	86.2	91.7	96.9
47.5°	45.9	51.0	57.5	64.0	69.2	74.9	81.1	87.2	93.1	98.8	104.3
45°	48.9	54.9	62.2	68.3	74.1	80.7	87.1	93.4	99.7	105.7	111.7
42.5°	51.8	58.7	66.0	72.4	79.2	86.0	92.7	99.4	106.0	112.5	118.9
40°	54.9	62.2	69.9	76.9	83.9	91.0	98.2	105.2	112.1	119.0	125.8
37.5°	57.8	65.8	73.8	81.1	88.4	95.8	103.3	110.8	118.0	125.2	133.0
35°	60.3	69.5	77.6	85.2	92.8	100.4	108.3	116.1	123.8	131.6	141.5
32.5°	63.2	73.1	81.1	89.1	97.0	104.9	113.0	121.3	129.5	138.6	152.8
30°	66.5	76.2	84.4	92.9	101.0	109.2	117.7	126.3	134.9	149.1	181.8
27.5°	69.6	79.0	87.7	96.3	104.7	113.2	122.1	131.0	143.0	164.8	217.8
25°	72.6	81.7	90.7	99.5	108.1	116.9	126.1	135.4	151.7	195.6	312.8
22.5°	75.0	84.4	93.7	102.4	111.2	120.3	129.8	142.2	167.4	226.8	418.5
20°	77.1	86.9	96.4	105.5	114.1	123.3	133.3	148.7	191.3	315.8	545.2
17.5°	79.1	89.1	98.9	108.4	117.5	126.5	136.7	154.3	212.9	393.2	672.6
15°	80.9	91.2	101.2	111.1	120.5	129.9	142.0	170.2	256.4	469.9	786.0
12.5°	82.5	92.9	103.3	113.6	123.2	133.0	146.9	186.0	309.7	560.0	863.4
10°	83.9	94.5	105.2	115.9	125.7	135.6	151.0	199.0	353.5	634.0	925.7
7.5°	85.3	96.0	107.0	117.9	127.7	137.9	154.3	209.1	387.3	689.8	975.4
5°	86.4	97.4	109.0	120.1	130.4	140.4	157.2	216.4	411.0	727.4	1011.5
2.5°	87.3	98.6	110.8	122.1	133.2	143.4	160.5	221.7	426.4	751.4	1034.7
0°	87.9	99.6	112.3	123.7	135.8	146.1	163.0	224.3	432.1	760.1	1043.4
-2.5°	87.3	98.6	110.8	122.1	133.2	143.4	160.5	221.7	426.4	751.4	1034.7
-5°	86.4	97.4	109.0	120.1	130.4	140.4	157.2	216.4	411.0	727.4	1011.5
-7.5°	85.3	96.0	107.0	117.9	127.7	137.9	154.3	209.1	387.3	689.8	975.4
-10°	83.9	94.5	105.2	115.9	125.7	135.6	151.0	199.0	353.5	634.0	925.7
-12.5°	82.5	92.9	103.3	113.6	123.2	133.0	146.9	186.0	309.7	560.0	863.4
-15°	80.9	91.2	101.2	111.1	120.5	129.9	142.0	170.2	256.4	469.9	786.0
-17.5°	79.1	89.1	98.9	108.4	117.5	126.5	136.7	154.3	212.9	393.2	672.6
-20°	77.1	86.9	96.4	105.5	114.1	123.3	133.3	148.7	191.3	315.8	545.2



REPORT NUMBER: P558517 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1B-940-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	75.0	84.4	93.7	102.4	111.2	120.3	129.8	142.2	167.4	226.8	418.5
-25°	72.6	81.7	90.7	99.5	108.1	116.9	126.1	135.4	151.7	195.6	312.8
-27.5°	69.6	79.0	87.7	96.3	104.7	113.2	122.1	131.0	143.0	164.8	217.8
-30°	66.5	76.2	84.4	92.9	101.0	109.2	117.7	126.3	134.9	149.1	181.8
-32.5°	63.2	73.1	81.1	89.1	97.0	104.9	113.0	121.3	129.5	138.6	152.8
-35°	60.3	69.5	77.6	85.2	92.8	100.4	108.3	116.1	123.8	131.6	141.5
-37.5°	57.8	65.8	73.8	81.1	88.4	95.8	103.3	110.8	118.0	125.2	133.0
-40°	54.9	62.2	69.9	76.9	83.9	91.0	98.2	105.2	112.1	119.0	125.8
-42.5°	51.8	58.7	66.0	72.4	79.2	86.0	92.7	99.4	106.0	112.5	118.9
-45°	48.9	54.9	62.2	68.3	74.1	80.7	87.1	93.4	99.7	105.7	111.7
-47.5°	45.9	51.0	57.5	64.0	69.2	74.9	81.1	87.2	93.1	98.8	104.3
-50°	42.9	47.6	52.6	58.8	64.5	69.3	74.7	80.5	86.2	91.7	96.9
-52.5°	39.9	44.2	48.4	53.4	59.1	64.1	68.4	73.3	78.7	84.0	88.5
-55°	36.8	40.7	44.3	48.4	53.1	58.2	62.3	66.2	70.7	75.6	79.4
-57.5°	33.9	37.0	40.2	43.6	47.6	51.8	55.5	59.0	62.6	66.7	70.1
-60°	31.2	33.5	36.1	38.9	42.0	45.4	48.6	51.7	54.6	57.4	60.9
-62.5°	28.3	30.0	32.0	34.3	36.8	39.2	41.8	44.5	47.1	49.4	51.9
-65°	24.8	26.4	27.8	29.6	31.7	33.5	35.3	37.2	39.4	41.4	42.9
-67.5°	21.3	22.9	23.9	24.6	26.1	27.5	28.9	30.3	31.9	34.0	35.5
-70°	17.4	19.3	20.5	21.1	21.2	21.4	22.4	23.4	24.8	27.3	29.3
-72.5°	13.4	15.3	16.8	17.9	17.9	17.5	17.2	16.8	18.3	21.2	23.7
-75°	10.2	11.4	12.9	14.1	14.4	14.0	13.3	12.6	13.9	16.4	18.8
-77.5°	7.7	8.6	9.6	10.6	10.8	10.6	10.1	9.4	10.5	12.5	14.7
-80°	5.4	5.8	6.5	7.2	7.4	7.3	7.1	6.7	7.5	8.8	10.2
-82.5°	3.5	3.8	4.1	4.4	4.4	4.2	4.1	3.9	4.5	5.3	6.1
-85°	1.8	1.8	1.9	2.0	2.0	2.0	2.0	1.8	2.1	2.4	2.8
-87.5°	0.9	0.9	0.8	0.8	0.7	0.7	0.6	0.5	0.5	0.5	0.6
-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: P558517 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.5
85°	3.1	3.0	2.9	2.7	2.4	2.5	2.7	2.8	2.9	2.7	2.5
82.5°	7.0	7.1	7.1	7.0	7.0	7.3	7.6	7.8	8.0	7.4	6.7
80°	11.7	12.3	12.6	12.9	13.2	13.2	13.0	12.7	12.2	11.2	10.0
77.5°	16.9	17.8	18.3	18.7	19.2	19.3	19.4	19.5	19.6	17.8	15.5
75°	21.0	22.3	23.1	23.8	24.4	24.8	25.0	25.1	25.2	23.0	20.1
72.5°	25.6	26.9	27.8	28.7	29.5	30.0	30.3	30.5	30.7	28.8	26.0
70°	30.7	31.7	32.8	33.8	34.8	35.5	36.0	36.3	36.6	36.4	36.3
67.5°	36.7	37.6	38.9	39.9	41.0	41.7	42.5	43.1	43.5	44.0	44.6
65°	44.2	46.4	48.3	49.3	49.5	50.5	52.3	53.4	53.9	54.4	54.9
62.5°	54.7	57.3	58.7	60.4	62.5	64.4	65.2	66.2	67.4	68.9	70.6
60°	63.7	65.9	68.1	70.4	72.3	73.9	75.7	77.5	79.1	80.5	82.0
57.5°	72.9	75.3	77.5	80.2	82.0	83.2	84.9	87.0	88.6	89.9	91.8
55°	82.5	85.5	88.6	91.0	92.7	93.9	95.2	97.2	98.4	98.8	101.1
52.5°	92.1	95.6	99.4	102.2	104.1	105.8	107.4	109.2	110.4	111.0	113.2
50°	100.9	105.2	109.4	113.0	115.5	118.4	121.7	123.3	124.4	125.5	128.0
47.5°	109.4	114.1	118.6	122.8	126.4	129.6	132.4	135.1	139.1	142.3	145.5
45°	117.5	122.6	127.5	132.1	136.1	142.4	148.5	153.6	167.4	179.0	187.8
42.5°	125.1	131.3	136.7	144.5	153.0	167.6	190.2	211.2	251.8	304.0	347.6
40°	133.1	141.1	150.9	166.0	194.6	224.0	312.0	390.3	467.4	555.0	630.1
37.5°	142.4	154.4	183.2	217.4	309.1	410.6	535.2	657.5	764.0	855.1	931.2
35°	154.7	191.7	245.5	370.1	505.6	671.9	815.6	930.6	1035.8	1120.3	1183.8
32.5°	191.0	258.7	400.9	572.1	758.5	919.2	1059.2	1169.3	1265.3	1341.0	1399.9
30°	244.2	399.8	592.8	797.9	983.6	1137.1	1266.3	1371.3	1457.0	1534.0	1598.6
27.5°	370.5	570.8	797.6	1006.8	1175.7	1319.4	1435.3	1539.3	1633.8	1714.9	1791.3
25°	508.7	756.7	985.5	1175.8	1333.4	1468.3	1590.6	1704.3	1810.1	1905.0	1993.9
22.5°	674.8	922.0	1140.7	1316.8	1469.6	1608.1	1738.0	1864.6	1987.7	2103.5	2211.1
20°	825.1	1067.7	1258.4	1434.3	1593.0	1737.4	1880.5	2028.0	2170.1	2309.6	2439.2
17.5°	942.2	1167.9	1359.3	1537.7	1699.3	1862.6	2026.5	2196.0	2367.3	2529.4	2684.3
15°	1040.0	1251.5	1445.5	1623.9	1801.5	1981.7	2164.8	2364.4	2568.3	2762.2	2959.7
12.5°	1109.3	1321.2	1518.0	1696.9	1896.0	2091.7	2304.8	2532.4	2767.8	2993.6	3236.3
10°	1165.0	1376.9	1572.0	1764.9	1975.6	2192.7	2431.6	2682.2	2963.1	3230.6	3492.0
7.5°	1212.9	1423.3	1615.4	1820.4	2041.9	2280.4	2540.3	2823.6	3127.7	3425.3	3736.4
5°	1247.8	1455.0	1649.1	1865.8	2092.8	2344.5	2624.1	2926.9	3253.0	3579.0	3886.7
2.5°	1266.3	1473.0	1670.0	1894.1	2122.6	2383.3	2674.6	2995.5	3339.9	3695.7	3999.1
0°	1265.9	1480.6	1678.1	1913.0	2144.6	2395.1	2696.3	3039.4	3375.4	3745.1	4056.6
-2.5°	1266.3	1473.0	1670.0	1894.1	2122.6	2383.3	2674.6	2995.5	3339.9	3695.7	3999.1
-5°	1247.8	1455.0	1649.1	1865.8	2092.8	2344.5	2624.1	2926.9	3253.0	3579.0	3886.7
-7.5°	1212.9	1423.3	1615.4	1820.4	2041.9	2280.4	2540.3	2823.6	3127.7	3425.3	3736.4
-10°	1165.0	1376.9	1572.0	1764.9	1975.6	2192.7	2431.6	2682.2	2963.1	3230.6	3492.0
-12.5°	1109.3	1321.2	1518.0	1696.9	1896.0	2091.7	2304.8	2532.4	2767.8	2993.6	3236.3
-15°	1040.0	1251.5	1445.5	1623.9	1801.5	1981.7	2164.8	2364.4	2568.3	2762.2	2959.7
-17.5°	942.2	1167.9	1359.3	1537.7	1699.3	1862.6	2026.5	2196.0	2367.3	2529.4	2684.3
-20°	825.1	1067.7	1258.4	1434.3	1593.0	1737.4	1880.5	2028.0	2170.1	2309.6	2439.2



REPORT NUMBER: P558517 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1B-940-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	674.8	922.0	1140.7	1316.8	1469.6	1608.1	1738.0	1864.6	1987.7	2103.5	2211.1
-25°	508.7	756.7	985.5	1175.8	1333.4	1468.3	1590.6	1704.3	1810.1	1905.0	1993.9
-27.5°	370.5	570.8	797.6	1006.8	1175.7	1319.4	1435.3	1539.3	1633.8	1714.9	1791.3
-30°	244.2	399.8	592.8	797.9	983.6	1137.1	1266.3	1371.3	1457.0	1534.0	1598.6
-32.5°	191.0	258.7	400.9	572.1	758.5	919.2	1059.2	1169.3	1265.3	1341.0	1399.9
-35°	154.7	191.7	245.5	370.1	505.6	671.9	815.6	930.6	1035.8	1120.3	1183.8
-37.5°	142.4	154.4	183.2	217.4	309.1	410.6	535.2	657.5	764.0	855.1	931.2
-40°	133.1	141.1	150.9	166.0	194.6	224.0	312.0	390.3	467.4	555.0	630.1
-42.5°	125.1	131.3	136.7	144.5	153.0	167.6	190.2	211.2	251.8	304.0	347.6
-45°	117.5	122.6	127.5	132.1	136.1	142.4	148.5	153.6	167.4	179.0	187.8
-47.5°	109.4	114.1	118.6	122.8	126.4	129.6	132.4	135.1	139.1	142.3	145.5
-50°	100.9	105.2	109.4	113.0	115.5	118.4	121.7	123.3	124.4	125.5	128.0
-52.5°	92.1	95.6	99.4	102.2	104.1	105.8	107.4	109.2	110.4	111.0	113.2
-55°	82.5	85.5	88.6	91.0	92.7	93.9	95.2	97.2	98.4	98.8	101.1
-57.5°	72.9	75.3	77.5	80.2	82.0	83.2	84.9	87.0	88.6	89.9	91.8
-60°	63.7	65.9	68.1	70.4	72.3	73.9	75.7	77.5	79.1	80.5	82.0
-62.5°	54.7	57.3	58.7	60.4	62.5	64.4	65.2	66.2	67.4	68.9	70.6
-65°	44.2	46.4	48.3	49.3	49.5	50.5	52.3	53.4	53.9	54.4	54.9
-67.5°	36.7	37.6	38.9	39.9	41.0	41.7	42.5	43.1	43.5	44.0	44.6
-70°	30.7	31.7	32.8	33.8	34.8	35.5	36.0	36.3	36.6	36.4	36.3
-72.5°	25.6	26.9	27.8	28.7	29.5	30.0	30.3	30.5	30.7	28.8	26.0
-75°	21.0	22.3	23.1	23.8	24.4	24.8	25.0	25.1	25.2	23.0	20.1
-77.5°	16.9	17.8	18.3	18.7	19.2	19.3	19.4	19.5	19.6	17.8	15.5
-80°	11.7	12.3	12.6	12.9	13.2	13.2	13.0	12.7	12.2	11.2	10.0
-82.5°	7.0	7.1	7.1	7.0	7.0	7.3	7.6	7.8	8.0	7.4	6.7
-85°	3.1	3.0	2.9	2.7	2.4	2.5	2.7	2.8	2.9	2.7	2.5
-87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558517 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1B-940-U-MWR-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°	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.6	0.7	0.7
85°	2.3	2.1	2.1	2.1	2.1	2.1	2.3	2.5	2.7	2.9	2.8
82.5°	6.0	5.2	5.2	5.2	5.2	5.2	6.0	6.7	7.4	8.0	7.8
80°	8.8	7.6	7.7	7.9	7.7	7.6	8.8	10.0	11.2	12.2	12.7
77.5°	13.0	10.4	10.3	10.3	10.3	10.4	13.0	15.5	17.8	19.6	19.5
75°	17.2	14.2	14.1	14.1	14.1	14.2	17.2	20.1	23.0	25.2	25.1
72.5°	23.3	20.4	19.1	17.9	19.1	20.4	23.3	26.0	28.8	30.7	30.5
70°	36.3	36.4	35.1	33.4	35.1	36.4	36.3	36.3	36.4	36.6	36.3
67.5°	45.1	45.5	46.0	46.5	46.0	45.5	45.1	44.6	44.0	43.5	43.1
65°	55.2	55.2	55.4	55.5	55.4	55.2	55.2	54.9	54.4	53.9	53.4
62.5°	72.1	73.2	74.0	74.4	74.0	73.2	72.1	70.6	68.9	67.4	66.2
60°	83.2	84.2	85.5	86.8	85.5	84.2	83.2	82.0	80.5	79.1	77.5
57.5°	93.6	95.2	96.5	97.5	96.5	95.2	93.6	91.8	89.9	88.6	87.0
55°	103.2	105.1	106.9	108.5	106.9	105.1	103.2	101.1	98.8	98.4	97.2
52.5°	115.3	116.8	119.4	122.7	119.4	116.8	115.3	113.2	111.0	110.4	109.2
50°	130.8	133.1	136.3	140.2	136.3	133.1	130.8	128.0	125.5	124.4	123.3
47.5°	148.6	150.9	154.0	158.2	154.0	150.9	148.6	145.5	142.3	139.1	135.1
45°	195.8	201.3	206.4	211.9	206.4	201.3	195.8	187.8	179.0	167.4	153.6
42.5°	382.6	406.7	417.2	411.1	417.2	406.7	382.6	347.6	304.0	251.8	211.2
40°	687.4	727.6	751.2	759.4	751.2	727.6	687.4	630.1	555.0	467.4	390.3
37.5°	986.8	1023.8	1043.7	1046.1	1043.7	1023.8	986.8	931.2	855.1	764.0	657.5
35°	1229.7	1260.2	1278.3	1291.8	1278.3	1260.2	1229.7	1183.8	1120.3	1035.8	930.6
32.5°	1447.9	1482.6	1502.7	1498.2	1502.7	1482.6	1447.9	1399.9	1341.0	1265.3	1169.3
30°	1651.6	1689.6	1713.2	1713.9	1713.2	1689.6	1651.6	1598.6	1534.0	1457.0	1371.3
27.5°	1853.1	1895.7	1920.3	1939.6	1920.3	1895.7	1853.1	1791.3	1714.9	1633.8	1539.3
25°	2068.0	2121.1	2152.7	2171.8	2152.7	2121.1	2068.0	1993.9	1905.0	1810.1	1704.3
22.5°	2299.8	2365.6	2408.9	2426.8	2408.9	2365.6	2299.8	2211.1	2103.5	1987.7	1864.6
20°	2551.9	2633.4	2688.6	2686.9	2688.6	2633.4	2551.9	2439.2	2309.6	2170.1	2028.0
17.5°	2833.1	2938.3	3009.5	3019.8	3009.5	2938.3	2833.1	2684.3	2529.4	2367.3	2196.0
15°	3134.7	3270.3	3362.3	3390.9	3362.3	3270.3	3134.7	2959.7	2762.2	2568.3	2364.4
12.5°	3443.7	3605.0	3727.8	3768.6	3727.8	3605.0	3443.7	3236.3	2993.6	2767.8	2532.4
10°	3738.1	3916.8	4050.0	4109.0	4050.0	3916.8	3738.1	3492.0	3230.6	2963.1	2682.2
7.5°	3984.2	4165.8	4303.0	4351.6	4303.0	4165.8	3984.2	3736.4	3425.3	3127.7	2823.6
5°	4146.4	4344.8	4451.4	4511.4	4451.4	4344.8	4146.4	3886.7	3579.0	3253.0	2926.9
2.5°	4254.7	4422.9	4531.0	4586.2	4531.0	4422.9	4254.7	3999.1	3695.7	3339.9	2995.5
0°	4312.3	4483.5	4562.8	4589.7	4562.8	4483.5	4312.3	4056.6	3745.1	3375.4	3039.4
-2.5°	4254.7	4422.9	4531.0	4586.2	4531.0	4422.9	4254.7	3999.1	3695.7	3339.9	2995.5
-5°	4146.4	4344.8	4451.4	4511.4	4451.4	4344.8	4146.4	3886.7	3579.0	3253.0	2926.9
-7.5°	3984.2	4165.8	4303.0	4351.6	4303.0	4165.8	3984.2	3736.4	3425.3	3127.7	2823.6
-10°	3738.1	3916.8	4050.0	4109.0	4050.0	3916.8	3738.1	3492.0	3230.6	2963.1	2682.2
-12.5°	3443.7	3605.0	3727.8	3768.6	3727.8	3605.0	3443.7	3236.3	2993.6	2767.8	2532.4
-15°	3134.7	3270.3	3362.3	3390.9	3362.3	3270.3	3134.7	2959.7	2762.2	2568.3	2364.4
-17.5°	2833.1	2938.3	3009.5	3019.8	3009.5	2938.3	2833.1	2684.3	2529.4	2367.3	2196.0
-20°	2551.9	2633.4	2688.6	2686.9	2688.6	2633.4	2551.9	2439.2	2309.6	2170.1	2028.0



REPORT NUMBER: P558517 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1B-940-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2299.8	2365.6	2408.9	2426.8	2408.9	2365.6	2299.8	2211.1	2103.5	1987.7	1864.6
-25°	2068.0	2121.1	2152.7	2171.8	2152.7	2121.1	2068.0	1993.9	1905.0	1810.1	1704.3
-27.5°	1853.1	1895.7	1920.3	1939.6	1920.3	1895.7	1853.1	1791.3	1714.9	1633.8	1539.3
-30°	1651.6	1689.6	1713.2	1713.9	1713.2	1689.6	1651.6	1598.6	1534.0	1457.0	1371.3
-32.5°	1447.9	1482.6	1502.7	1498.2	1502.7	1482.6	1447.9	1399.9	1341.0	1265.3	1169.3
-35°	1229.7	1260.2	1278.3	1291.8	1278.3	1260.2	1229.7	1183.8	1120.3	1035.8	930.6
-37.5°	986.8	1023.8	1043.7	1046.1	1043.7	1023.8	986.8	931.2	855.1	764.0	657.5
-40°	687.4	727.6	751.2	759.4	751.2	727.6	687.4	630.1	555.0	467.4	390.3
-42.5°	382.6	406.7	417.2	411.1	417.2	406.7	382.6	347.6	304.0	251.8	211.2
-45°	195.8	201.3	206.4	211.9	206.4	201.3	195.8	187.8	179.0	167.4	153.6
-47.5°	148.6	150.9	154.0	158.2	154.0	150.9	148.6	145.5	142.3	139.1	135.1
-50°	130.8	133.1	136.3	140.2	136.3	133.1	130.8	128.0	125.5	124.4	123.3
-52.5°	115.3	116.8	119.4	122.7	119.4	116.8	115.3	113.2	111.0	110.4	109.2
-55°	103.2	105.1	106.9	108.5	106.9	105.1	103.2	101.1	98.8	98.4	97.2
-57.5°	93.6	95.2	96.5	97.5	96.5	95.2	93.6	91.8	89.9	88.6	87.0
-60°	83.2	84.2	85.5	86.8	85.5	84.2	83.2	82.0	80.5	79.1	77.5
-62.5°	72.1	73.2	74.0	74.4	74.0	73.2	72.1	70.6	68.9	67.4	66.2
-65°	55.2	55.2	55.4	55.5	55.4	55.2	55.2	54.9	54.4	53.9	53.4
-67.5°	45.1	45.5	46.0	46.5	46.0	45.5	45.1	44.6	44.0	43.5	43.1
-70°	36.3	36.4	35.1	33.4	35.1	36.4	36.3	36.3	36.4	36.6	36.3
-72.5°	23.3	20.4	19.1	17.9	19.1	20.4	23.3	26.0	28.8	30.7	30.5
-75°	17.2	14.2	14.1	14.1	14.1	14.2	17.2	20.1	23.0	25.2	25.1
-77.5°	13.0	10.4	10.3	10.3	10.3	10.4	13.0	15.5	17.8	19.6	19.5
-80°	8.8	7.6	7.7	7.9	7.7	7.6	8.8	10.0	11.2	12.2	12.7
-82.5°	6.0	5.2	5.2	5.2	5.2	5.2	6.0	6.7	7.4	8.0	7.8
-85°	2.3	2.1	2.1	2.1	2.1	2.1	2.3	2.5	2.7	2.9	2.8
-87.5°	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.6	0.7	0.7
-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: P558517 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1B-940-U-MWR-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°	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
85°	2.7	2.5	2.4	2.7	2.9	3.0	3.1	2.8	2.4	2.1	1.8
82.5°	7.6	7.3	7.0	7.0	7.1	7.1	7.0	6.1	5.3	4.5	3.9
80°	13.0	13.2	13.2	12.9	12.6	12.3	11.7	10.2	8.8	7.5	6.7
77.5°	19.4	19.3	19.2	18.7	18.3	17.8	16.9	14.7	12.5	10.5	9.4
75°	25.0	24.8	24.4	23.8	23.1	22.3	21.0	18.8	16.4	13.9	12.6
72.5°	30.3	30.0	29.5	28.7	27.8	26.9	25.6	23.7	21.2	18.3	16.8
70°	36.0	35.5	34.8	33.8	32.8	31.7	30.7	29.3	27.3	24.8	23.4
67.5°	42.5	41.7	41.0	39.9	38.9	37.6	36.7	35.5	34.0	31.9	30.3
65°	52.3	50.5	49.5	49.3	48.3	46.4	44.2	42.9	41.4	39.4	37.2
62.5°	65.2	64.4	62.5	60.4	58.7	57.3	54.7	51.9	49.4	47.1	44.5
60°	75.7	73.9	72.3	70.4	68.1	65.9	63.7	60.9	57.4	54.6	51.7
57.5°	84.9	83.2	82.0	80.2	77.5	75.3	72.9	70.1	66.7	62.6	59.0
55°	95.2	93.9	92.7	91.0	88.6	85.5	82.5	79.4	75.6	70.7	66.2
52.5°	107.4	105.8	104.1	102.2	99.4	95.6	92.1	88.5	84.0	78.7	73.3
50°	121.7	118.4	115.5	113.0	109.4	105.2	100.9	96.9	91.7	86.2	80.5
47.5°	132.4	129.6	126.4	122.8	118.6	114.1	109.4	104.3	98.8	93.1	87.2
45°	148.5	142.4	136.1	132.1	127.5	122.6	117.5	111.7	105.7	99.7	93.4
42.5°	190.2	167.6	153.0	144.5	136.7	131.3	125.1	118.9	112.5	106.0	99.4
40°	312.0	224.0	194.6	166.0	150.9	141.1	133.1	125.8	119.0	112.1	105.2
37.5°	535.2	410.6	309.1	217.4	183.2	154.4	142.4	133.0	125.2	118.0	110.8
35°	815.6	671.9	505.6	370.1	245.5	191.7	154.7	141.5	131.6	123.8	116.1
32.5°	1059.2	919.2	758.5	572.1	400.9	258.7	191.0	152.8	138.6	129.5	121.3
30°	1266.3	1137.1	983.6	797.9	592.8	399.8	244.2	181.8	149.1	134.9	126.3
27.5°	1435.3	1319.4	1175.7	1006.8	797.6	570.8	370.5	217.8	164.8	143.0	131.0
25°	1590.6	1468.3	1333.4	1175.8	985.5	756.7	508.7	312.8	195.6	151.7	135.4
22.5°	1738.0	1608.1	1469.6	1316.8	1140.7	922.0	674.8	418.5	226.8	167.4	142.2
20°	1880.5	1737.4	1593.0	1434.3	1258.4	1067.7	825.1	545.2	315.8	191.3	148.7
17.5°	2026.5	1862.6	1699.3	1537.7	1359.3	1167.9	942.2	672.6	393.2	212.9	154.3
15°	2164.8	1981.7	1801.5	1623.9	1445.5	1251.5	1040.0	786.0	469.9	256.4	170.2
12.5°	2304.8	2091.7	1896.0	1696.9	1518.0	1321.2	1109.3	863.4	560.0	309.7	186.0
10°	2431.6	2192.7	1975.6	1764.9	1572.0	1376.9	1165.0	925.7	634.0	353.5	199.0
7.5°	2540.3	2280.4	2041.9	1820.4	1615.4	1423.3	1212.9	975.4	689.8	387.3	209.1
5°	2624.1	2344.5	2092.8	1865.8	1649.1	1455.0	1247.8	1011.5	727.4	411.0	216.4
2.5°	2674.6	2383.3	2122.6	1894.1	1670.0	1473.0	1266.3	1034.7	751.4	426.4	221.7
0°	2696.3	2395.1	2144.6	1913.0	1678.1	1480.6	1265.9	1043.4	760.1	432.1	224.3
-2.5°	2674.6	2383.3	2122.6	1894.1	1670.0	1473.0	1266.3	1034.7	751.4	426.4	221.7
-5°	2624.1	2344.5	2092.8	1865.8	1649.1	1455.0	1247.8	1011.5	727.4	411.0	216.4
-7.5°	2540.3	2280.4	2041.9	1820.4	1615.4	1423.3	1212.9	975.4	689.8	387.3	209.1
-10°	2431.6	2192.7	1975.6	1764.9	1572.0	1376.9	1165.0	925.7	634.0	353.5	199.0
-12.5°	2304.8	2091.7	1896.0	1696.9	1518.0	1321.2	1109.3	863.4	560.0	309.7	186.0
-15°	2164.8	1981.7	1801.5	1623.9	1445.5	1251.5	1040.0	786.0	469.9	256.4	170.2
-17.5°	2026.5	1862.6	1699.3	1537.7	1359.3	1167.9	942.2	672.6	393.2	212.9	154.3
-20°	1880.5	1737.4	1593.0	1434.3	1258.4	1067.7	825.1	545.2	315.8	191.3	148.7



REPORT NUMBER: P558517 (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°	1738.0	1608.1	1469.6	1316.8	1140.7	922.0	674.8	418.5	226.8	167.4	142.2
-25°	1590.6	1468.3	1333.4	1175.8	985.5	756.7	508.7	312.8	195.6	151.7	135.4
-27.5°	1435.3	1319.4	1175.7	1006.8	797.6	570.8	370.5	217.8	164.8	143.0	131.0
-30°	1266.3	1137.1	983.6	797.9	592.8	399.8	244.2	181.8	149.1	134.9	126.3
-32.5°	1059.2	919.2	758.5	572.1	400.9	258.7	191.0	152.8	138.6	129.5	121.3
-35°	815.6	671.9	505.6	370.1	245.5	191.7	154.7	141.5	131.6	123.8	116.1
-37.5°	535.2	410.6	309.1	217.4	183.2	154.4	142.4	133.0	125.2	118.0	110.8
-40°	312.0	224.0	194.6	166.0	150.9	141.1	133.1	125.8	119.0	112.1	105.2
-42.5°	190.2	167.6	153.0	144.5	136.7	131.3	125.1	118.9	112.5	106.0	99.4
-45°	148.5	142.4	136.1	132.1	127.5	122.6	117.5	111.7	105.7	99.7	93.4
-47.5°	132.4	129.6	126.4	122.8	118.6	114.1	109.4	104.3	98.8	93.1	87.2
-50°	121.7	118.4	115.5	113.0	109.4	105.2	100.9	96.9	91.7	86.2	80.5
-52.5°	107.4	105.8	104.1	102.2	99.4	95.6	92.1	88.5	84.0	78.7	73.3
-55°	95.2	93.9	92.7	91.0	88.6	85.5	82.5	79.4	75.6	70.7	66.2
-57.5°	84.9	83.2	82.0	80.2	77.5	75.3	72.9	70.1	66.7	62.6	59.0
-60°	75.7	73.9	72.3	70.4	68.1	65.9	63.7	60.9	57.4	54.6	51.7
-62.5°	65.2	64.4	62.5	60.4	58.7	57.3	54.7	51.9	49.4	47.1	44.5
-65°	52.3	50.5	49.5	49.3	48.3	46.4	44.2	42.9	41.4	39.4	37.2
-67.5°	42.5	41.7	41.0	39.9	38.9	37.6	36.7	35.5	34.0	31.9	30.3
-70°	36.0	35.5	34.8	33.8	32.8	31.7	30.7	29.3	27.3	24.8	23.4
-72.5°	30.3	30.0	29.5	28.7	27.8	26.9	25.6	23.7	21.2	18.3	16.8
-75°	25.0	24.8	24.4	23.8	23.1	22.3	21.0	18.8	16.4	13.9	12.6
-77.5°	19.4	19.3	19.2	18.7	18.3	17.8	16.9	14.7	12.5	10.5	9.4
-80°	13.0	13.2	13.2	12.9	12.6	12.3	11.7	10.2	8.8	7.5	6.7
-82.5°	7.6	7.3	7.0	7.0	7.1	7.1	7.0	6.1	5.3	4.5	3.9
-85°	2.7	2.5	2.4	2.7	2.9	3.0	3.1	2.8	2.4	2.1	1.8
-87.5°	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558517 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	0.6	0.7	0.7	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.7
85°	2.0	2.0	2.0	2.0	1.9	1.8	1.8	1.8	1.7	1.5	1.4
82.5°	4.1	4.2	4.4	4.4	4.1	3.8	3.5	3.2	2.8	2.4	2.1
80°	7.1	7.3	7.4	7.2	6.5	5.8	5.4	5.0	4.6	4.1	3.4
77.5°	10.1	10.6	10.8	10.6	9.6	8.6	7.7	6.9	6.4	5.8	5.1
75°	13.3	14.0	14.4	14.1	12.9	11.4	10.2	9.2	8.5	7.6	6.7
72.5°	17.2	17.5	17.9	17.9	16.8	15.3	13.4	11.6	10.8	9.8	8.5
70°	22.4	21.4	21.2	21.1	20.5	19.3	17.4	15.1	13.2	12.0	10.5
67.5°	28.9	27.5	26.1	24.6	23.9	22.9	21.3	18.7	16.2	14.2	12.5
65°	35.3	33.5	31.7	29.6	27.8	26.4	24.8	22.0	19.0	16.5	14.6
62.5°	41.8	39.2	36.8	34.3	32.0	30.0	28.3	25.1	21.8	18.8	16.4
60°	48.6	45.4	42.0	38.9	36.1	33.5	31.2	28.1	24.5	20.9	18.1
57.5°	55.5	51.8	47.6	43.6	40.2	37.0	33.9	30.8	27.3	23.2	19.7
55°	62.3	58.2	53.1	48.4	44.3	40.7	36.8	33.3	29.8	25.6	20.8
52.5°	68.4	64.1	59.1	53.4	48.4	44.2	39.9	35.7	32.0	27.9	22.2
50°	74.7	69.3	64.5	58.8	52.6	47.6	42.9	38.4	34.2	30.1	23.6
47.5°	81.1	74.9	69.2	64.0	57.5	51.0	45.9	41.0	36.3	32.0	24.8
45°	87.1	80.7	74.1	68.3	62.2	54.9	48.9	43.5	38.5	32.9	25.9
42.5°	92.7	86.0	79.2	72.4	66.0	58.7	51.8	46.1	40.7	33.7	26.6
40°	98.2	91.0	83.9	76.9	69.9	62.2	54.9	48.6	42.6	34.3	27.1
37.5°	103.3	95.8	88.4	81.1	73.8	65.8	57.8	51.0	43.5	35.0	27.4
35°	108.3	100.4	92.8	85.2	77.6	69.5	60.3	53.3	44.9	35.6	27.6
32.5°	113.0	104.9	97.0	89.1	81.1	73.1	63.2	55.4	46.6	36.1	27.7
30°	117.7	109.2	101.0	92.9	84.4	76.2	66.5	57.4	48.6	36.5	27.7
27.5°	122.1	113.2	104.7	96.3	87.7	79.0	69.6	59.4	50.8	37.2	27.9
25°	126.1	116.9	108.1	99.5	90.7	81.7	72.6	61.4	52.7	38.7	27.9
22.5°	129.8	120.3	111.2	102.4	93.7	84.4	75.0	63.8	54.2	40.2	27.9
20°	133.3	123.3	114.1	105.5	96.4	86.9	77.1	66.0	55.6	41.8	27.7
17.5°	136.7	126.5	117.5	108.4	98.9	89.1	79.1	67.9	57.0	43.4	27.5
15°	142.0	129.9	120.5	111.1	101.2	91.2	80.9	69.7	58.2	44.9	27.4
12.5°	146.9	133.0	123.2	113.6	103.3	92.9	82.5	71.1	59.2	46.0	27.5
10°	151.0	135.6	125.7	115.9	105.2	94.5	83.9	72.4	60.1	46.4	27.4
7.5°	154.3	137.9	127.7	117.9	107.0	96.0	85.3	73.5	61.0	46.4	27.2
5°	157.2	140.4	130.4	120.1	109.0	97.4	86.4	74.3	61.7	46.1	26.8
2.5°	160.5	143.4	133.2	122.1	110.8	98.6	87.3	74.8	62.3	45.4	26.4
0°	163.0	146.1	135.8	123.7	112.3	99.6	87.9	75.1	62.7	44.4	25.8
-2.5°	160.5	143.4	133.2	122.1	110.8	98.6	87.3	74.8	62.3	45.4	26.4
-5°	157.2	140.4	130.4	120.1	109.0	97.4	86.4	74.3	61.7	46.1	26.8
-7.5°	154.3	137.9	127.7	117.9	107.0	96.0	85.3	73.5	61.0	46.4	27.2
-10°	151.0	135.6	125.7	115.9	105.2	94.5	83.9	72.4	60.1	46.4	27.4
-12.5°	146.9	133.0	123.2	113.6	103.3	92.9	82.5	71.1	59.2	46.0	27.5
-15°	142.0	129.9	120.5	111.1	101.2	91.2	80.9	69.7	58.2	44.9	27.4
-17.5°	136.7	126.5	117.5	108.4	98.9	89.1	79.1	67.9	57.0	43.4	27.5
-20°	133.3	123.3	114.1	105.5	96.4	86.9	77.1	66.0	55.6	41.8	27.7



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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°	129.8	120.3	111.2	102.4	93.7	84.4	75.0	63.8	54.2	40.2	27.9
-25°	126.1	116.9	108.1	99.5	90.7	81.7	72.6	61.4	52.7	38.7	27.9
-27.5°	122.1	113.2	104.7	96.3	87.7	79.0	69.6	59.4	50.8	37.2	27.9
-30°	117.7	109.2	101.0	92.9	84.4	76.2	66.5	57.4	48.6	36.5	27.7
-32.5°	113.0	104.9	97.0	89.1	81.1	73.1	63.2	55.4	46.6	36.1	27.7
-35°	108.3	100.4	92.8	85.2	77.6	69.5	60.3	53.3	44.9	35.6	27.6
-37.5°	103.3	95.8	88.4	81.1	73.8	65.8	57.8	51.0	43.5	35.0	27.4
-40°	98.2	91.0	83.9	76.9	69.9	62.2	54.9	48.6	42.6	34.3	27.1
-42.5°	92.7	86.0	79.2	72.4	66.0	58.7	51.8	46.1	40.7	33.7	26.6
-45°	87.1	80.7	74.1	68.3	62.2	54.9	48.9	43.5	38.5	32.9	25.9
-47.5°	81.1	74.9	69.2	64.0	57.5	51.0	45.9	41.0	36.3	32.0	24.8
-50°	74.7	69.3	64.5	58.8	52.6	47.6	42.9	38.4	34.2	30.1	23.6
-52.5°	68.4	64.1	59.1	53.4	48.4	44.2	39.9	35.7	32.0	27.9	22.2
-55°	62.3	58.2	53.1	48.4	44.3	40.7	36.8	33.3	29.8	25.6	20.8
-57.5°	55.5	51.8	47.6	43.6	40.2	37.0	33.9	30.8	27.3	23.2	19.7
-60°	48.6	45.4	42.0	38.9	36.1	33.5	31.2	28.1	24.5	20.9	18.1
-62.5°	41.8	39.2	36.8	34.3	32.0	30.0	28.3	25.1	21.8	18.8	16.4
-65°	35.3	33.5	31.7	29.6	27.8	26.4	24.8	22.0	19.0	16.5	14.6
-67.5°	28.9	27.5	26.1	24.6	23.9	22.9	21.3	18.7	16.2	14.2	12.5
-70°	22.4	21.4	21.2	21.1	20.5	19.3	17.4	15.1	13.2	12.0	10.5
-72.5°	17.2	17.5	17.9	17.9	16.8	15.3	13.4	11.6	10.8	9.8	8.5
-75°	13.3	14.0	14.4	14.1	12.9	11.4	10.2	9.2	8.5	7.6	6.7
-77.5°	10.1	10.6	10.8	10.6	9.6	8.6	7.7	6.9	6.4	5.8	5.1
-80°	7.1	7.3	7.4	7.2	6.5	5.8	5.4	5.0	4.6	4.1	3.4
-82.5°	4.1	4.2	4.4	4.4	4.1	3.8	3.5	3.2	2.8	2.4	2.1
-85°	2.0	2.0	2.0	2.0	1.9	1.8	1.8	1.8	1.7	1.5	1.4
-87.5°	0.6	0.7	0.7	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.7
-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°	0.6	0.5	0.4	0.2	0.1	0.1	0.0
85°	1.2	1.0	0.7	0.5	0.3	0.1	0.0
82.5°	1.9	1.4	1.1	0.7	0.4	0.2	0.0
80°	2.6	1.9	1.4	1.0	0.6	0.3	0.0
77.5°	4.0	2.6	1.8	1.2	0.7	0.4	0.0
75°	5.5	3.7	2.2	1.4	0.9	0.4	0.0
72.5°	6.9	4.8	3.0	1.7	1.0	0.5	0.0
70°	8.3	5.9	3.8	2.0	1.2	0.6	0.0
67.5°	9.9	6.9	4.6	2.5	1.3	0.7	0.0
65°	11.5	8.1	5.3	3.0	1.4	0.7	0.0
62.5°	13.0	9.2	6.1	3.5	1.6	0.8	0.0
60°	14.4	10.3	6.7	4.0	1.7	0.8	0.0
57.5°	15.4	11.4	7.5	4.5	2.0	0.9	0.0
55°	16.2	12.3	8.3	4.9	2.3	1.0	0.0
52.5°	16.9	13.2	9.0	5.4	2.6	1.0	0.0
50°	17.5	13.6	9.6	5.8	2.9	1.1	0.0
47.5°	18.0	14.0	10.2	6.1	3.1	1.1	0.0
45°	18.9	14.2	10.8	6.6	3.4	1.2	0.0
42.5°	19.6	14.4	11.3	6.9	3.6	1.3	0.0
40°	20.2	14.5	11.5	7.3	3.9	1.3	0.0
37.5°	20.7	14.5	11.6	7.7	4.1	1.3	0.0
35°	21.0	14.7	11.5	8.1	4.3	1.4	0.0
32.5°	21.2	14.9	11.5	8.5	4.5	1.4	0.0
30°	21.2	15.0	11.4	8.9	4.6	1.5	0.0
27.5°	21.0	15.1	11.5	9.2	4.8	1.5	0.0
25°	20.8	15.0	11.6	9.6	4.9	1.5	0.0
22.5°	20.5	15.0	11.7	9.9	5.1	1.6	0.0
20°	20.1	15.4	11.8	10.2	5.2	1.6	0.0
17.5°	20.1	15.8	11.9	10.5	5.3	1.6	0.0
15°	20.4	16.1	12.0	10.7	5.3	1.6	0.0
12.5°	20.6	16.3	12.0	11.0	5.4	1.7	0.0
10°	20.8	16.5	12.1	11.2	5.5	1.7	0.0
7.5°	20.9	16.7	12.1	11.4	5.5	1.7	0.0
5°	21.0	16.8	12.1	11.5	5.5	1.7	0.0
2.5°	21.0	16.9	12.1	11.6	5.5	1.7	0.0
0°	21.0	16.9	12.1	11.7	5.5	1.7	0.0
-2.5°	21.0	16.9	12.1	11.6	5.5	1.7	0.0
-5°	21.0	16.8	12.1	11.5	5.5	1.7	0.0
-7.5°	20.9	16.7	12.1	11.4	5.5	1.7	0.0
-10°	20.8	16.5	12.1	11.2	5.5	1.7	0.0
-12.5°	20.6	16.3	12.0	11.0	5.4	1.7	0.0
-15°	20.4	16.1	12.0	10.7	5.3	1.6	0.0
-17.5°	20.1	15.8	11.9	10.5	5.3	1.6	0.0
-20°	20.1	15.4	11.8	10.2	5.2	1.6	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20.5	15.0	11.7	9.9	5.1	1.6	0.0
-25°	20.8	15.0	11.6	9.6	4.9	1.5	0.0
-27.5°	21.0	15.1	11.5	9.2	4.8	1.5	0.0
-30°	21.2	15.0	11.4	8.9	4.6	1.5	0.0
-32.5°	21.2	14.9	11.5	8.5	4.5	1.4	0.0
-35°	21.0	14.7	11.5	8.1	4.3	1.4	0.0
-37.5°	20.7	14.5	11.6	7.7	4.1	1.3	0.0
-40°	20.2	14.5	11.5	7.3	3.9	1.3	0.0
-42.5°	19.6	14.4	11.3	6.9	3.6	1.3	0.0
-45°	18.9	14.2	10.8	6.6	3.4	1.2	0.0
-47.5°	18.0	14.0	10.2	6.1	3.1	1.1	0.0
-50°	17.5	13.6	9.6	5.8	2.9	1.1	0.0
-52.5°	16.9	13.2	9.0	5.4	2.6	1.0	0.0
-55°	16.2	12.3	8.3	4.9	2.3	1.0	0.0
-57.5°	15.4	11.4	7.5	4.5	2.0	0.9	0.0
-60°	14.4	10.3	6.7	4.0	1.7	0.8	0.0
-62.5°	13.0	9.2	6.1	3.5	1.6	0.8	0.0
-65°	11.5	8.1	5.3	3.0	1.4	0.7	0.0
-67.5°	9.9	6.9	4.6	2.5	1.3	0.7	0.0
-70°	8.3	5.9	3.8	2.0	1.2	0.6	0.0
-72.5°	6.9	4.8	3.0	1.7	1.0	0.5	0.0
-75°	5.5	3.7	2.2	1.4	0.9	0.4	0.0
-77.5°	4.0	2.6	1.8	1.2	0.7	0.4	0.0
-80°	2.6	1.9	1.4	1.0	0.6	0.3	0.0
-82.5°	1.9	1.4	1.1	0.7	0.4	0.2	0.0
-85°	1.2	1.0	0.7	0.5	0.3	0.1	0.0
-87.5°	0.6	0.5	0.4	0.2	0.1	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)