

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: P558581 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1D-940-U-MWR-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558581 (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-SA1D-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

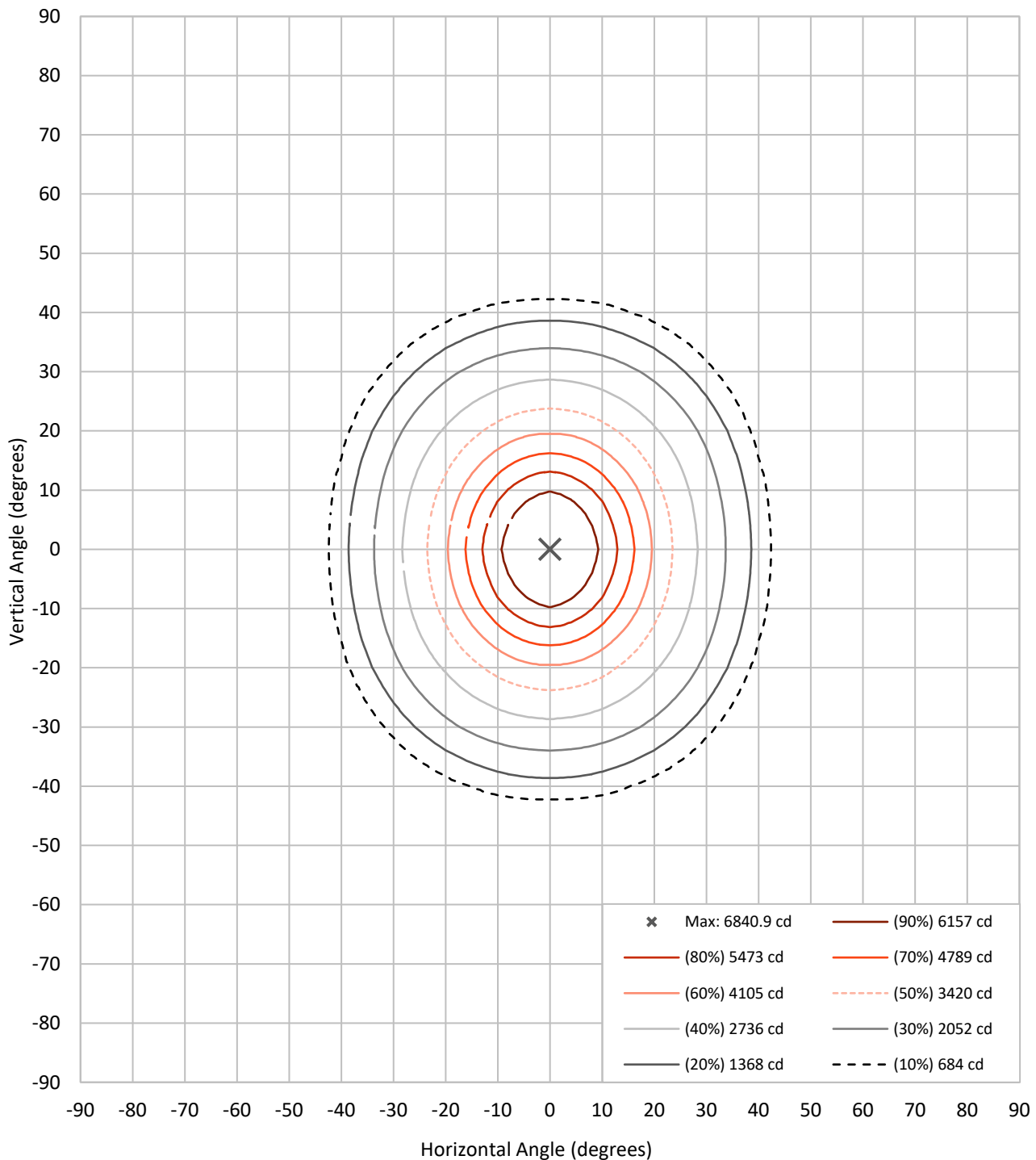
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	5325.3 lumens	Max Intensity:	6840.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	96.8 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	47°H x 47.6°V	Field Angle (10%):	84.6°H x 84.3°V
Beam Lumens:	2512.8 lumens	Field Lumens:	4835.3 lumens
Beam Efficiency:	47.2%	Field Efficiency:	90.8%

Input Watts (W): 55
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





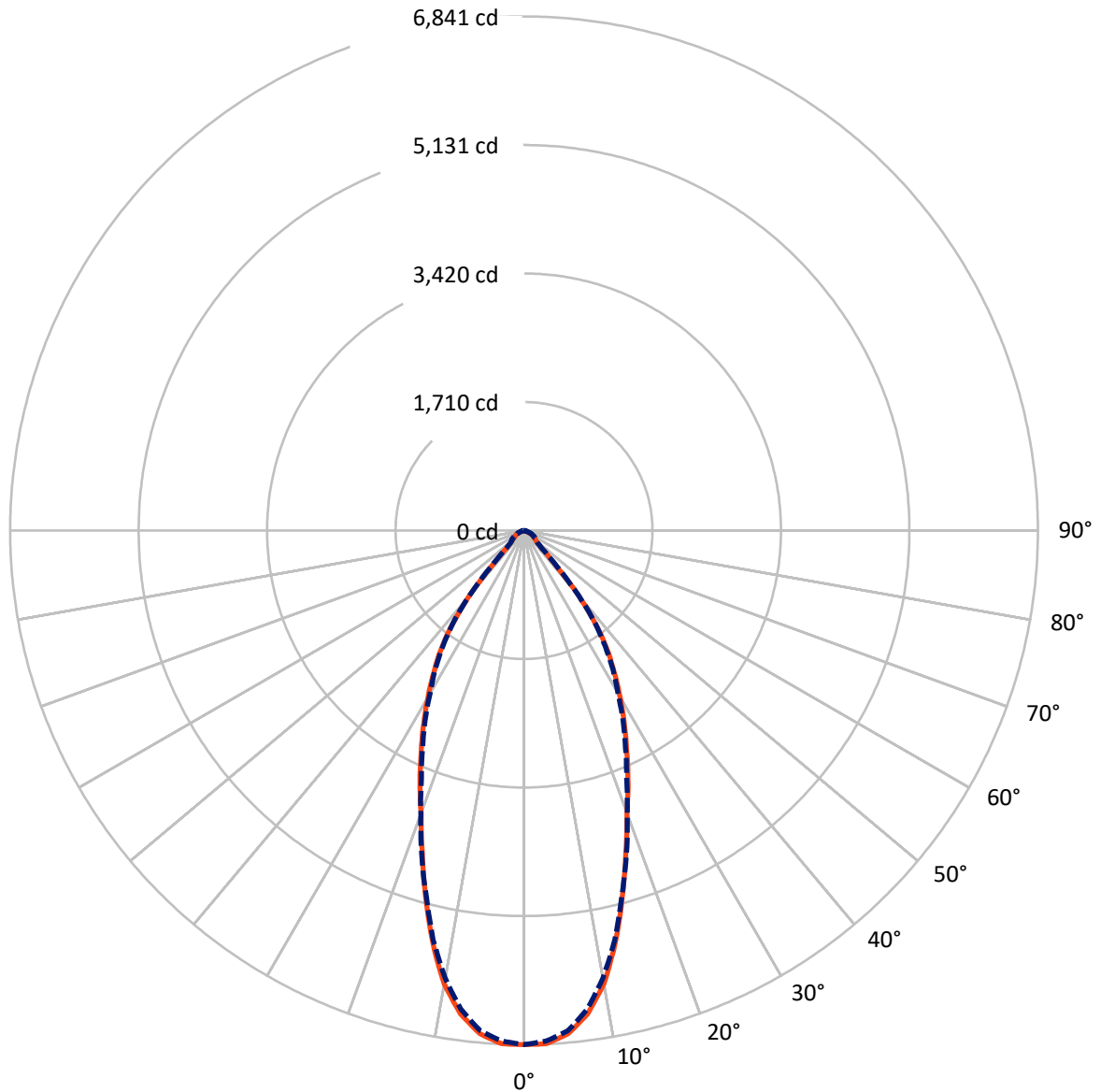
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Lumen Table

90	0.1	0.7	1.5	2.4	1.9	2.4	1.5	0.7	0.1										
80	0.1	0.7	1.5	2.4	1.9	2.4	1.5	0.7	0.1										
70	0.4	0.4	0.8	1.2	1.7	2.1	2.4	2.6	2.6	2.4	2.1	1.7	1.2	0.8	0.4	0.4			
60		0.6	1.3	2.1	3.1	3.8	4.4	4.8	4.8	4.4	3.8	3.1	2.1	1.3	0.6				
50	0.6	0.8	1.8	3.0	4.4	6.0	9.5	13.3	13.3	9.5	6.0	4.4	3.0	1.8	0.8	0.6			
40		1.0	2.2	3.7	7.0	22.4	43.7	55.7	55.7	43.7	22.4	7.0	3.7	2.2	1.0				
30	0.6	1.2	2.6	4.7	20.5	53.6	79.1	95.8	95.8	79.1	53.6	20.5	4.7	2.6	1.2	0.6			
20		1.3	2.9	7.2	37.3	74.0	112.4	146.3	146.3	112.4	74.0	37.3	7.2	2.9	1.3				
10	0.6	1.4	3.1	9.9	45.5	86.3	141.4	191.3	191.3	141.4	86.3	45.5	9.9	3.1	1.4	0.6			
0		1.4	3.1	9.9	45.5	86.3	141.4	191.3	191.3	141.4	86.3	45.5	9.9	3.1	1.4				
-10	0.6	1.3	2.9	7.2	37.3	74.0	112.4	146.3	146.3	112.4	74.0	37.3	7.2	2.9	1.3	0.6			
-20		1.2	2.6	4.7	20.5	53.6	79.1	95.8	95.8	79.1	53.6	20.5	4.7	2.6	1.2				
-30	0.6	1.0	2.2	3.7	7.0	22.4	43.7	55.7	55.7	43.7	22.4	7.0	3.7	2.2	1.0	0.6			
-40		0.8	1.8	3.0	4.4	6.0	9.5	13.3	13.3	9.5	6.0	4.4	3.0	1.8	0.8				
-50	0.4	0.6	1.3	2.1	3.1	3.8	4.4	4.8	4.8	4.4	3.8	3.1	2.1	1.3	0.6	0.4			
-60		0.4	0.8	1.2	1.7	2.1	2.4	2.6	2.6	2.4	2.1	1.7	1.2	0.8	0.4				
-70	0.1	0.7	1.5	2.4	1.9	2.4	1.5	0.7	0.1							0.1			
-80		0.1	0.7	1.5	2.4	1.9	2.4	1.5	0.7	0.1									
-90	0.1	0.7	1.5	2.4	1.9	2.4	1.5	0.7	0.1										

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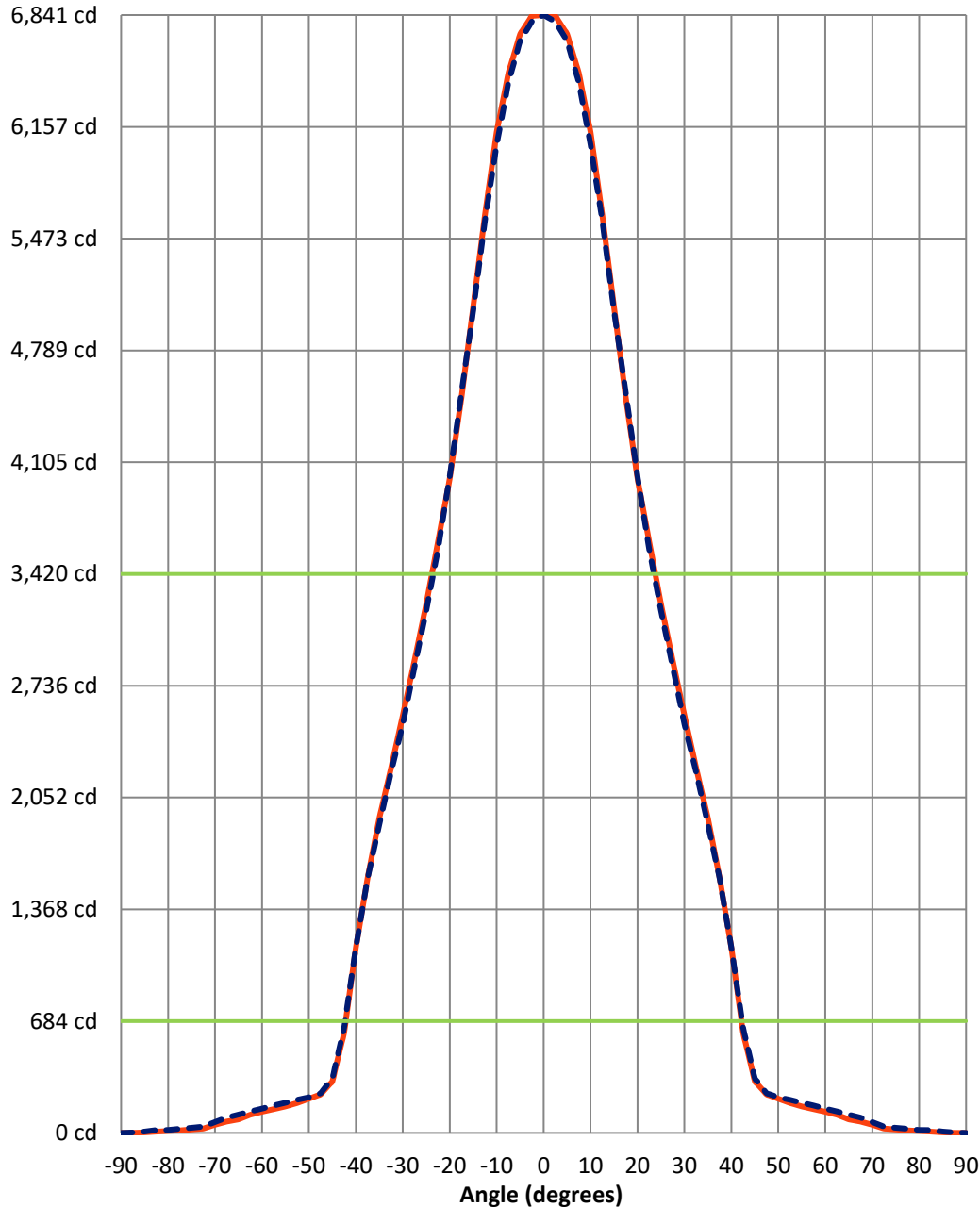
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 47°
V Angle: 47.6°
Lumens: 2512.8
Efficiency: 47.2%

Field:
H Angle: 84.6°
V Angle: 84.3°
Lumens: 4835.3
Efficiency: 90.8%

Spill:
Lumens: 489.9
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	0.2	0.4	0.5	0.7	0.9	1.0	1.1	1.2	1.3
85°	0.0	0.2	0.5	0.7	1.1	1.4	1.9	2.1	2.3	2.5	2.6
82.5°	0.0	0.3	0.7	1.1	1.6	2.2	2.8	3.1	3.5	4.2	4.7
80°	0.0	0.5	0.9	1.5	2.1	2.9	3.8	5.1	6.1	6.8	7.3
77.5°	0.0	0.6	1.1	1.8	2.7	3.9	6.0	7.5	8.6	9.4	10.2
75°	0.0	0.7	1.3	2.2	3.3	5.6	8.1	9.9	11.3	12.7	13.8
72.5°	0.0	0.8	1.6	2.5	4.5	7.2	10.2	12.5	14.5	16.2	17.4
70°	0.0	0.9	1.8	3.0	5.7	8.8	12.3	15.6	17.9	19.7	22.5
67.5°	0.0	1.0	2.0	3.8	6.8	10.3	14.8	18.7	21.2	24.1	27.8
65°	0.0	1.1	2.2	4.5	7.9	11.9	17.1	21.7	24.6	28.3	32.8
62.5°	0.0	1.2	2.4	5.3	9.0	13.7	19.3	24.5	27.9	32.4	37.4
60°	0.0	1.3	2.6	6.0	10.0	15.3	21.4	27.0	31.1	36.6	42.0
57.5°	0.0	1.4	3.0	6.7	11.1	16.9	22.9	29.2	34.6	40.6	46.0
55°	0.0	1.5	3.5	7.3	12.3	18.4	24.1	30.9	38.2	44.5	49.6
52.5°	0.0	1.6	3.9	7.9	13.3	19.6	25.1	33.1	41.7	47.8	53.2
50°	0.0	1.7	4.3	8.5	14.3	20.3	26.0	35.2	45.0	50.9	57.2
47.5°	0.0	1.8	4.7	9.1	15.2	20.8	26.8	37.0	47.7	54.0	61.1
45°	0.0	1.8	5.1	9.7	16.0	21.2	28.1	38.6	49.1	57.4	64.9
42.5°	0.0	1.9	5.4	10.2	16.7	21.4	29.2	39.7	50.2	60.6	68.7
40°	0.0	2.0	5.7	10.8	17.1	21.5	30.1	40.4	51.1	63.5	72.4
37.5°	0.0	2.1	6.1	11.4	17.2	21.5	30.9	40.9	52.2	64.9	76.0
35°	0.0	2.1	6.4	12.0	17.2	21.8	31.4	41.2	53.1	66.9	79.4
32.5°	0.0	2.2	6.6	12.6	17.1	22.2	31.6	41.2	53.8	69.5	82.5
30°	0.0	2.3	6.9	13.2	16.9	22.4	31.6	41.2	54.3	72.4	85.5
27.5°	0.0	2.3	7.1	13.7	17.1	22.4	31.4	41.5	55.4	75.7	88.5
25°	0.0	2.4	7.3	14.2	17.3	22.4	31.0	41.6	57.7	78.5	91.4
22.5°	0.0	2.4	7.5	14.7	17.5	22.4	30.5	41.6	60.0	80.8	95.1
20°	0.0	2.4	7.7	15.2	17.6	23.0	29.9	41.4	62.3	82.9	98.3
17.5°	0.0	2.5	7.8	15.6	17.7	23.5	29.9	41.0	64.7	84.8	101.3
15°	0.0	2.5	7.9	16.0	17.8	24.0	30.3	40.9	66.9	86.6	103.8
12.5°	0.0	2.5	8.0	16.4	17.9	24.3	30.7	41.0	68.5	88.2	106.0
10°	0.0	2.6	8.1	16.7	17.9	24.6	31.0	40.9	69.1	89.5	107.9
7.5°	0.0	2.6	8.2	17.0	18.0	24.9	31.2	40.6	69.2	90.8	109.5
5°	0.0	2.6	8.2	17.2	18.0	25.1	31.3	40.1	68.7	92.0	110.7
2.5°	0.0	2.6	8.2	17.4	18.0	25.2	31.3	39.3	67.7	92.9	111.6
0°	0.0	2.6	8.2	17.5	18.0	25.2	31.3	38.5	66.3	93.5	112.0
-2.5°	0.0	2.6	8.2	17.4	18.0	25.2	31.3	39.3	67.7	92.9	111.6
-5°	0.0	2.6	8.2	17.2	18.0	25.1	31.3	40.1	68.7	92.0	110.7
-7.5°	0.0	2.6	8.2	17.0	18.0	24.9	31.2	40.6	69.2	90.8	109.5
-10°	0.0	2.6	8.1	16.7	17.9	24.6	31.0	40.9	69.1	89.5	107.9
-12.5°	0.0	2.5	8.0	16.4	17.9	24.3	30.7	41.0	68.5	88.2	106.0
-15°	0.0	2.5	7.9	16.0	17.8	24.0	30.3	40.9	66.9	86.6	103.8
-17.5°	0.0	2.5	7.8	15.6	17.7	23.5	29.9	41.0	64.7	84.8	101.3
-20°	0.0	2.4	7.7	15.2	17.6	23.0	29.9	41.4	62.3	82.9	98.3



REPORT NUMBER: P558581 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.4	7.5	14.7	17.5	22.4	30.5	41.6	60.0	80.8	95.1
-25°	0.0	2.4	7.3	14.2	17.3	22.4	31.0	41.6	57.7	78.5	91.4
-27.5°	0.0	2.3	7.1	13.7	17.1	22.4	31.4	41.5	55.4	75.7	88.5
-30°	0.0	2.3	6.9	13.2	16.9	22.4	31.6	41.2	54.3	72.4	85.5
-32.5°	0.0	2.2	6.6	12.6	17.1	22.2	31.6	41.2	53.8	69.5	82.5
-35°	0.0	2.1	6.4	12.0	17.2	21.8	31.4	41.2	53.1	66.9	79.4
-37.5°	0.0	2.1	6.1	11.4	17.2	21.5	30.9	40.9	52.2	64.9	76.0
-40°	0.0	2.0	5.7	10.8	17.1	21.5	30.1	40.4	51.1	63.5	72.4
-42.5°	0.0	1.9	5.4	10.2	16.7	21.4	29.2	39.7	50.2	60.6	68.7
-45°	0.0	1.8	5.1	9.7	16.0	21.2	28.1	38.6	49.1	57.4	64.9
-47.5°	0.0	1.8	4.7	9.1	15.2	20.8	26.8	37.0	47.7	54.0	61.1
-50°	0.0	1.7	4.3	8.5	14.3	20.3	26.0	35.2	45.0	50.9	57.2
-52.5°	0.0	1.6	3.9	7.9	13.3	19.6	25.1	33.1	41.7	47.8	53.2
-55°	0.0	1.5	3.5	7.3	12.3	18.4	24.1	30.9	38.2	44.5	49.6
-57.5°	0.0	1.4	3.0	6.7	11.1	16.9	22.9	29.2	34.6	40.6	46.0
-60°	0.0	1.3	2.6	6.0	10.0	15.3	21.4	27.0	31.1	36.6	42.0
-62.5°	0.0	1.2	2.4	5.3	9.0	13.7	19.3	24.5	27.9	32.4	37.4
-65°	0.0	1.1	2.2	4.5	7.9	11.9	17.1	21.7	24.6	28.3	32.8
-67.5°	0.0	1.0	2.0	3.8	6.8	10.3	14.8	18.7	21.2	24.1	27.8
-70°	0.0	0.9	1.8	3.0	5.7	8.8	12.3	15.6	17.9	19.7	22.5
-72.5°	0.0	0.8	1.6	2.5	4.5	7.2	10.2	12.5	14.5	16.2	17.4
-75°	0.0	0.7	1.3	2.2	3.3	5.6	8.1	9.9	11.3	12.7	13.8
-77.5°	0.0	0.6	1.1	1.8	2.7	3.9	6.0	7.5	8.6	9.4	10.2
-80°	0.0	0.5	0.9	1.5	2.1	2.9	3.8	5.1	6.1	6.8	7.3
-82.5°	0.0	0.3	0.7	1.1	1.6	2.2	2.8	3.1	3.5	4.2	4.7
-85°	0.0	0.2	0.5	0.7	1.1	1.4	1.9	2.1	2.3	2.5	2.6
-87.5°	0.0	0.1	0.2	0.4	0.5	0.7	0.9	1.0	1.1	1.2	1.3
-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°	1.3	1.3	1.3	1.2	1.1	1.0	0.9	0.7	0.7	0.8	0.8
85°	2.6	2.6	2.8	3.0	3.1	3.0	2.9	2.7	3.1	3.6	4.1
82.5°	5.2	5.7	6.1	6.5	6.5	6.3	6.1	5.9	6.8	7.9	9.1
80°	8.0	8.7	9.7	10.7	11.0	10.9	10.6	10.0	11.3	13.1	15.2
77.5°	11.5	12.9	14.3	15.7	16.0	15.8	15.1	14.0	15.6	18.6	21.9
75°	15.3	17.0	19.2	21.0	21.4	20.8	19.7	18.8	20.8	24.4	28.0
72.5°	20.0	22.8	25.0	26.6	26.7	26.1	25.6	25.2	27.3	31.6	35.3
70°	25.9	28.8	30.5	31.4	31.7	32.0	33.5	34.8	37.0	40.7	43.6
67.5°	31.8	34.1	35.6	36.8	39.0	41.1	43.1	45.1	47.5	50.7	52.9
65°	37.0	39.4	41.5	44.1	47.4	49.9	52.6	55.5	58.8	61.8	63.9
62.5°	42.2	44.8	47.7	51.2	54.9	58.3	62.3	66.4	70.3	73.7	77.3
60°	46.5	49.9	53.8	58.0	62.5	67.7	72.5	77.2	81.5	85.7	90.9
57.5°	50.6	55.2	59.9	64.9	70.9	77.2	82.8	87.9	93.3	99.4	104.5
55°	54.9	60.6	66.0	72.1	79.2	86.8	92.9	98.7	105.4	112.7	118.4
52.5°	59.5	65.8	72.1	79.5	88.0	95.6	102.0	109.3	117.4	125.3	131.9
50°	63.9	71.0	78.3	87.7	96.1	103.4	111.3	120.1	128.5	136.6	144.4
47.5°	68.4	75.9	85.7	95.3	103.2	111.7	121.0	129.9	138.8	147.3	155.4
45°	72.9	81.8	92.6	101.7	110.5	120.3	129.8	139.2	148.5	157.5	166.5
42.5°	77.1	87.5	98.4	108.0	118.0	128.2	138.2	148.2	158.0	167.7	177.2
40°	81.8	92.7	104.2	114.6	125.1	135.7	146.3	156.8	167.1	177.4	187.5
37.5°	86.1	98.1	110.1	120.9	131.8	142.9	154.0	165.1	176.0	186.6	198.2
35°	89.9	103.5	115.6	127.0	138.4	149.7	161.4	173.0	184.5	196.1	210.8
32.5°	94.2	109.0	120.9	132.9	144.7	156.3	168.4	180.8	193.0	206.6	227.7
30°	99.1	113.6	125.9	138.5	150.5	162.7	175.3	188.2	201.1	222.2	270.9
27.5°	103.8	117.8	130.7	143.6	156.0	168.7	181.9	195.3	213.2	245.6	324.7
25°	108.2	121.9	135.2	148.3	161.1	174.3	187.9	201.8	226.2	291.7	466.3
22.5°	111.9	125.8	139.7	152.6	165.8	179.3	193.5	212.0	249.6	338.1	623.8
20°	115.0	129.5	143.7	157.2	170.1	183.8	198.6	221.6	285.2	470.7	812.6
17.5°	117.9	132.9	147.4	161.5	175.1	188.5	203.7	230.0	317.3	586.0	1002.5
15°	120.6	135.9	150.9	165.5	179.6	193.6	211.7	253.7	382.1	700.4	1171.6
12.5°	123.1	138.6	154.0	169.3	183.7	198.2	218.9	277.2	461.5	834.7	1287.0
10°	125.2	140.9	156.9	172.7	187.2	202.2	225.0	296.5	526.8	945.1	1379.8
7.5°	127.2	143.0	159.5	175.7	190.3	205.6	229.9	311.6	577.3	1028.2	1453.8
5°	128.8	145.2	162.5	179.0	194.2	209.3	234.2	322.4	612.7	1084.2	1507.7
2.5°	130.1	147.0	165.2	182.0	198.6	213.8	239.1	330.5	635.5	1119.9	1542.2
0°	131.0	148.4	167.4	184.4	202.4	217.8	242.9	334.3	644.0	1133.0	1555.1
-2.5°	130.1	147.0	165.2	182.0	198.6	213.8	239.1	330.5	635.5	1119.9	1542.2
-5°	128.8	145.2	162.5	179.0	194.2	209.3	234.2	322.4	612.7	1084.2	1507.7
-7.5°	127.2	143.0	159.5	175.7	190.3	205.6	229.9	311.6	577.3	1028.2	1453.8
-10°	125.2	140.9	156.9	172.7	187.2	202.2	225.0	296.5	526.8	945.1	1379.8
-12.5°	123.1	138.6	154.0	169.3	183.7	198.2	218.9	277.2	461.5	834.7	1287.0
-15°	120.6	135.9	150.9	165.5	179.6	193.6	211.7	253.7	382.1	700.4	1171.6
-17.5°	117.9	132.9	147.4	161.5	175.1	188.5	203.7	230.0	317.3	586.0	1002.5
-20°	115.0	129.5	143.7	157.2	170.1	183.8	198.6	221.6	285.2	470.7	812.6



REPORT NUMBER: P558581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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°	111.9	125.8	139.7	152.6	165.8	179.3	193.5	212.0	249.6	338.1	623.8
-25°	108.2	121.9	135.2	148.3	161.1	174.3	187.9	201.8	226.2	291.7	466.3
-27.5°	103.8	117.8	130.7	143.6	156.0	168.7	181.9	195.3	213.2	245.6	324.7
-30°	99.1	113.6	125.9	138.5	150.5	162.7	175.3	188.2	201.1	222.2	270.9
-32.5°	94.2	109.0	120.9	132.9	144.7	156.3	168.4	180.8	193.0	206.6	227.7
-35°	89.9	103.5	115.6	127.0	138.4	149.7	161.4	173.0	184.5	196.1	210.8
-37.5°	86.1	98.1	110.1	120.9	131.8	142.9	154.0	165.1	176.0	186.6	198.2
-40°	81.8	92.7	104.2	114.6	125.1	135.7	146.3	156.8	167.1	177.4	187.5
-42.5°	77.1	87.5	98.4	108.0	118.0	128.2	138.2	148.2	158.0	167.7	177.2
-45°	72.9	81.8	92.6	101.7	110.5	120.3	129.8	139.2	148.5	157.5	166.5
-47.5°	68.4	75.9	85.7	95.3	103.2	111.7	121.0	129.9	138.8	147.3	155.4
-50°	63.9	71.0	78.3	87.7	96.1	103.4	111.3	120.1	128.5	136.6	144.4
-52.5°	59.5	65.8	72.1	79.5	88.0	95.6	102.0	109.3	117.4	125.3	131.9
-55°	54.9	60.6	66.0	72.1	79.2	86.8	92.9	98.7	105.4	112.7	118.4
-57.5°	50.6	55.2	59.9	64.9	70.9	77.2	82.8	87.9	93.3	99.4	104.5
-60°	46.5	49.9	53.8	58.0	62.5	67.7	72.5	77.2	81.5	85.7	90.9
-62.5°	42.2	44.8	47.7	51.2	54.9	58.3	62.3	66.4	70.3	73.7	77.3
-65°	37.0	39.4	41.5	44.1	47.4	49.9	52.6	55.5	58.8	61.8	63.9
-67.5°	31.8	34.1	35.6	36.8	39.0	41.1	43.1	45.1	47.5	50.7	52.9
-70°	25.9	28.8	30.5	31.4	31.7	32.0	33.5	34.8	37.0	40.7	43.6
-72.5°	20.0	22.8	25.0	26.6	26.7	26.1	25.6	25.2	27.3	31.6	35.3
-75°	15.3	17.0	19.2	21.0	21.4	20.8	19.7	18.8	20.8	24.4	28.0
-77.5°	11.5	12.9	14.3	15.7	16.0	15.8	15.1	14.0	15.6	18.6	21.9
-80°	8.0	8.7	9.7	10.7	11.0	10.9	10.6	10.0	11.3	13.1	15.2
-82.5°	5.2	5.7	6.1	6.5	6.5	6.3	6.1	5.9	6.8	7.9	9.1
-85°	2.6	2.6	2.8	3.0	3.1	3.0	2.9	2.7	3.1	3.6	4.1
-87.5°	1.3	1.3	1.3	1.2	1.1	1.0	0.9	0.7	0.7	0.8	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



REPORT NUMBER: P558581 (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°	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	0.9	0.7
85°	4.6	4.5	4.2	3.9	3.5	3.7	3.9	4.1	4.4	4.1	3.8
82.5°	10.4	10.5	10.5	10.5	10.4	10.8	11.3	11.6	12.0	11.1	10.0
80°	17.5	18.3	18.8	19.2	19.6	19.6	19.3	18.9	18.2	16.7	15.0
77.5°	25.3	26.6	27.2	27.9	28.5	28.8	28.9	29.1	29.2	26.5	23.1
75°	31.3	33.3	34.4	35.4	36.4	36.9	37.2	37.4	37.5	34.2	30.0
72.5°	38.2	40.1	41.4	42.7	43.9	44.7	45.2	45.5	45.8	42.9	38.9
70°	45.7	47.2	48.9	50.5	52.0	53.0	53.7	54.2	54.6	54.3	54.1
67.5°	54.7	56.0	58.0	59.5	61.1	62.2	63.4	64.3	64.9	65.7	66.6
65°	66.0	69.1	72.0	73.5	73.7	75.3	77.9	79.6	80.4	81.1	81.9
62.5°	81.6	85.5	87.5	90.0	93.1	96.1	97.2	98.7	100.5	102.7	105.2
60°	95.0	98.2	101.5	104.9	107.8	110.2	112.9	115.5	117.9	120.1	122.2
57.5°	108.7	112.2	115.5	119.5	122.3	123.9	126.5	129.7	132.1	134.0	136.9
55°	122.9	127.4	131.9	135.5	138.2	139.9	141.8	144.9	146.7	147.4	150.7
52.5°	137.2	142.5	148.1	152.3	155.1	157.7	160.1	162.8	164.6	165.5	168.7
50°	150.4	156.7	163.0	168.5	172.2	176.5	181.4	183.8	185.3	187.1	190.7
47.5°	163.0	170.1	176.8	183.0	188.4	193.2	197.4	201.4	207.4	212.1	216.8
45°	175.2	182.7	190.0	196.9	202.9	212.3	221.3	229.0	249.5	266.7	279.9
42.5°	186.5	195.7	203.8	215.4	228.0	249.8	283.6	314.9	375.3	453.1	518.2
40°	198.4	210.3	224.9	247.4	290.1	334.0	465.0	581.8	696.6	827.3	939.3
37.5°	212.3	230.1	273.0	324.0	460.7	611.9	797.7	980.0	1138.8	1274.6	1388.0
35°	230.6	285.8	366.0	551.6	753.6	1001.5	1215.6	1387.1	1543.9	1669.8	1764.5
32.5°	284.8	385.7	597.5	852.7	1130.6	1370.1	1578.6	1742.8	1885.9	1998.7	2086.5
30°	364.0	596.0	883.6	1189.3	1466.0	1694.7	1887.4	2043.9	2171.6	2286.4	2382.8
27.5°	552.3	850.8	1188.9	1500.6	1752.3	1966.5	2139.4	2294.4	2435.2	2556.1	2670.0
25°	758.3	1127.8	1468.8	1752.6	1987.5	2188.5	2370.7	2540.3	2697.9	2839.4	2971.9
22.5°	1005.7	1374.2	1700.2	1962.8	2190.5	2396.9	2590.5	2779.2	2962.6	3135.3	3295.6
20°	1229.8	1591.4	1875.6	2137.9	2374.5	2589.5	2802.9	3022.8	3234.6	3442.6	3635.6
17.5°	1404.3	1740.7	2026.1	2292.0	2532.7	2776.3	3020.5	3273.1	3528.5	3770.0	4001.0
15°	1550.0	1865.3	2154.5	2420.4	2685.1	2953.8	3226.6	3524.2	3828.0	4117.1	4411.5
12.5°	1653.4	1969.3	2262.5	2529.2	2826.0	3117.7	3435.3	3774.5	4125.3	4462.1	4823.7
10°	1736.5	2052.3	2343.0	2630.6	2944.7	3268.1	3624.3	3997.9	4416.6	4815.3	5204.9
7.5°	1807.8	2121.5	2407.7	2713.2	3043.4	3398.9	3786.3	4208.7	4661.8	5105.4	5569.2
5°	1859.9	2168.6	2457.9	2781.0	3119.3	3494.5	3911.3	4362.6	4848.5	5334.6	5793.2
2.5°	1887.5	2195.5	2489.1	2823.0	3163.8	3552.4	3986.4	4464.8	4978.1	5508.4	5960.7
0°	1886.9	2206.9	2501.1	2851.4	3196.5	3569.9	4018.8	4530.3	5031.0	5582.1	6046.4
-2.5°	1887.5	2195.5	2489.1	2823.0	3163.8	3552.4	3986.4	4464.8	4978.1	5508.4	5960.7
-5°	1859.9	2168.6	2457.9	2781.0	3119.3	3494.5	3911.3	4362.6	4848.5	5334.6	5793.2
-7.5°	1807.8	2121.5	2407.7	2713.2	3043.4	3398.9	3786.3	4208.7	4661.8	5105.4	5569.2
-10°	1736.5	2052.3	2343.0	2630.6	2944.7	3268.1	3624.3	3997.9	4416.6	4815.3	5204.9
-12.5°	1653.4	1969.3	2262.5	2529.2	2826.0	3117.7	3435.3	3774.5	4125.3	4462.1	4823.7
-15°	1550.0	1865.3	2154.5	2420.4	2685.1	2953.8	3226.6	3524.2	3828.0	4117.1	4411.5
-17.5°	1404.3	1740.7	2026.1	2292.0	2532.7	2776.3	3020.5	3273.1	3528.5	3770.0	4001.0
-20°	1229.8	1591.4	1875.6	2137.9	2374.5	2589.5	2802.9	3022.8	3234.6	3442.6	3635.6



REPORT NUMBER: P558581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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°	1005.7	1374.2	1700.2	1962.8	2190.5	2396.9	2590.5	2779.2	2962.6	3135.3	3295.6
-25°	758.3	1127.8	1468.8	1752.6	1987.5	2188.5	2370.7	2540.3	2697.9	2839.4	2971.9
-27.5°	552.3	850.8	1188.9	1500.6	1752.3	1966.5	2139.4	2294.4	2435.2	2556.1	2670.0
-30°	364.0	596.0	883.6	1189.3	1466.0	1694.7	1887.4	2043.9	2171.6	2286.4	2382.8
-32.5°	284.8	385.7	597.5	852.7	1130.6	1370.1	1578.6	1742.8	1885.9	1998.7	2086.5
-35°	230.6	285.8	366.0	551.6	753.6	1001.5	1215.6	1387.1	1543.9	1669.8	1764.5
-37.5°	212.3	230.1	273.0	324.0	460.7	611.9	797.7	980.0	1138.8	1274.6	1388.0
-40°	198.4	210.3	224.9	247.4	290.1	334.0	465.0	581.8	696.6	827.3	939.3
-42.5°	186.5	195.7	203.8	215.4	228.0	249.8	283.6	314.9	375.3	453.1	518.2
-45°	175.2	182.7	190.0	196.9	202.9	212.3	221.3	229.0	249.5	266.7	279.9
-47.5°	163.0	170.1	176.8	183.0	188.4	193.2	197.4	201.4	207.4	212.1	216.8
-50°	150.4	156.7	163.0	168.5	172.2	176.5	181.4	183.8	185.3	187.1	190.7
-52.5°	137.2	142.5	148.1	152.3	155.1	157.7	160.1	162.8	164.6	165.5	168.7
-55°	122.9	127.4	131.9	135.5	138.2	139.9	141.8	144.9	146.7	147.4	150.7
-57.5°	108.7	112.2	115.5	119.5	122.3	123.9	126.5	129.7	132.1	134.0	136.9
-60°	95.0	98.2	101.5	104.9	107.8	110.2	112.9	115.5	117.9	120.1	122.2
-62.5°	81.6	85.5	87.5	90.0	93.1	96.1	97.2	98.7	100.5	102.7	105.2
-65°	66.0	69.1	72.0	73.5	73.7	75.3	77.9	79.6	80.4	81.1	81.9
-67.5°	54.7	56.0	58.0	59.5	61.1	62.2	63.4	64.3	64.9	65.7	66.6
-70°	45.7	47.2	48.9	50.5	52.0	53.0	53.7	54.2	54.6	54.3	54.1
-72.5°	38.2	40.1	41.4	42.7	43.9	44.7	45.2	45.5	45.8	42.9	38.9
-75°	31.3	33.3	34.4	35.4	36.4	36.9	37.2	37.4	37.5	34.2	30.0
-77.5°	25.3	26.6	27.2	27.9	28.5	28.8	28.9	29.1	29.2	26.5	23.1
-80°	17.5	18.3	18.8	19.2	19.6	19.6	19.3	18.9	18.2	16.7	15.0
-82.5°	10.4	10.5	10.5	10.5	10.4	10.8	11.3	11.6	12.0	11.1	10.0
-85°	4.6	4.5	4.2	3.9	3.5	3.7	3.9	4.1	4.4	4.1	3.8
-87.5°	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	0.9	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: P558581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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°	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.9	1.0	1.0
85°	3.4	3.1	3.1	3.1	3.1	3.1	3.4	3.8	4.1	4.4	4.1
82.5°	8.9	7.7	7.7	7.7	7.7	7.7	8.9	10.0	11.1	12.0	11.6
80°	13.2	11.3	11.5	11.8	11.5	11.3	13.2	15.0	16.7	18.2	18.9
77.5°	19.4	15.5	15.4	15.4	15.4	15.5	19.4	23.1	26.5	29.2	29.1
75°	25.7	21.3	21.1	21.1	21.1	21.3	25.7	30.0	34.2	37.5	37.4
72.5°	34.7	30.5	28.5	26.7	28.5	30.5	34.7	38.9	42.9	45.8	45.5
70°	54.2	54.3	52.4	49.8	52.4	54.3	54.2	54.1	54.3	54.6	54.2
67.5°	67.3	67.8	68.6	69.3	68.6	67.8	67.3	66.6	65.7	64.9	64.3
65°	82.3	82.3	82.6	82.7	82.6	82.3	82.3	81.9	81.1	80.4	79.6
62.5°	107.4	109.1	110.3	110.9	110.3	109.1	107.4	105.2	102.7	100.5	98.7
60°	124.0	125.4	127.4	129.4	127.4	125.4	124.0	122.2	120.1	117.9	115.5
57.5°	139.5	141.9	143.9	145.3	143.9	141.9	139.5	136.9	134.0	132.1	129.7
55°	153.9	156.7	159.4	161.8	159.4	156.7	153.9	150.7	147.4	146.7	144.9
52.5°	171.9	174.1	178.0	182.8	178.0	174.1	171.9	168.7	165.5	164.6	162.8
50°	194.9	198.4	203.2	209.0	203.2	198.4	194.9	190.7	187.1	185.3	183.8
47.5°	221.5	225.0	229.6	235.7	229.6	225.0	221.5	216.8	212.1	207.4	201.4
45°	291.9	300.1	307.6	315.9	307.6	300.1	291.9	279.9	266.7	249.5	229.0
42.5°	570.2	606.2	621.8	612.7	621.8	606.2	570.2	518.2	453.1	375.3	314.9
40°	1024.6	1084.5	1119.7	1131.9	1119.7	1084.5	1024.6	939.3	827.3	696.6	581.8
37.5°	1470.9	1526.0	1555.7	1559.2	1555.7	1526.0	1470.9	1388.0	1274.6	1138.8	980.0
35°	1832.9	1878.3	1905.2	1925.4	1905.2	1878.3	1832.9	1764.5	1669.8	1543.9	1387.1
32.5°	2158.0	2209.8	2239.7	2233.0	2239.7	2209.8	2158.0	2086.5	1998.7	1885.9	1742.8
30°	2461.8	2518.4	2553.5	2554.5	2553.5	2518.4	2461.8	2382.8	2286.4	2171.6	2043.9
27.5°	2762.1	2825.6	2862.2	2890.9	2862.2	2825.6	2762.1	2670.0	2556.1	2435.2	2294.4
25°	3082.4	3161.6	3208.7	3237.1	3208.7	3161.6	3082.4	2971.9	2839.4	2697.9	2540.3
22.5°	3427.8	3526.0	3590.4	3617.1	3590.4	3526.0	3427.8	3295.6	3135.3	2962.6	2779.2
20°	3803.6	3925.1	4007.4	4004.9	4007.4	3925.1	3803.6	3635.6	3442.6	3234.6	3022.8
17.5°	4222.8	4379.6	4485.7	4501.0	4485.7	4379.6	4222.8	4001.0	3770.0	3528.5	3273.1
15°	4672.3	4874.4	5011.6	5054.1	5011.6	4874.4	4672.3	4411.5	4117.1	3828.0	3524.2
12.5°	5132.8	5373.2	5556.2	5617.0	5556.2	5373.2	5132.8	4823.7	4462.1	4125.3	3774.5
10°	5571.7	5837.9	6036.5	6124.4	6036.5	5837.9	5571.7	5204.9	4815.3	4416.6	3997.9
7.5°	5938.5	6209.1	6413.6	6486.0	6413.6	6209.1	5938.5	5569.2	5105.4	4661.8	4208.7
5°	6180.2	6475.8	6634.9	6724.3	6634.9	6475.8	6180.2	5793.2	5334.6	4848.5	4362.6
2.5°	6341.7	6592.3	6753.4	6835.7	6753.4	6592.3	6341.7	5960.7	5508.4	4978.1	4464.8
0°	6427.4	6682.7	6800.8	6840.9	6800.8	6682.7	6427.4	6046.4	5582.1	5031.0	4530.3
-2.5°	6341.7	6592.3	6753.4	6835.7	6753.4	6592.3	6341.7	5960.7	5508.4	4978.1	4464.8
-5°	6180.2	6475.8	6634.9	6724.3	6634.9	6475.8	6180.2	5793.2	5334.6	4848.5	4362.6
-7.5°	5938.5	6209.1	6413.6	6486.0	6413.6	6209.1	5938.5	5569.2	5105.4	4661.8	4208.7
-10°	5571.7	5837.9	6036.5	6124.4	6036.5	5837.9	5571.7	5204.9	4815.3	4416.6	3997.9
-12.5°	5132.8	5373.2	5556.2	5617.0	5556.2	5373.2	5132.8	4823.7	4462.1	4125.3	3774.5
-15°	4672.3	4874.4	5011.6	5054.1	5011.6	4874.4	4672.3	4411.5	4117.1	3828.0	3524.2
-17.5°	4222.8	4379.6	4485.7	4501.0	4485.7	4379.6	4222.8	4001.0	3770.0	3528.5	3273.1
-20°	3803.6	3925.1	4007.4	4004.9	4007.4	3925.1	3803.6	3635.6	3442.6	3234.6	3022.8



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3427.8	3526.0	3590.4	3617.1	3590.4	3526.0	3427.8	3295.6	3135.3	2962.6	2779.2
-25°	3082.4	3161.6	3208.7	3237.1	3208.7	3161.6	3082.4	2971.9	2839.4	2697.9	2540.3
-27.5°	2762.1	2825.6	2862.2	2890.9	2862.2	2825.6	2762.1	2670.0	2556.1	2435.2	2294.4
-30°	2461.8	2518.4	2553.5	2554.5	2553.5	2518.4	2461.8	2382.8	2286.4	2171.6	2043.9
-32.5°	2158.0	2209.8	2239.7	2233.0	2239.7	2209.8	2158.0	2086.5	1998.7	1885.9	1742.8
-35°	1832.9	1878.3	1905.2	1925.4	1905.2	1878.3	1832.9	1764.5	1669.8	1543.9	1387.1
-37.5°	1470.9	1526.0	1555.7	1559.2	1555.7	1526.0	1470.9	1388.0	1274.6	1138.8	980.0
-40°	1024.6	1084.5	1119.7	1131.9	1119.7	1084.5	1024.6	939.3	827.3	696.6	581.8
-42.5°	570.2	606.2	621.8	612.7	621.8	606.2	570.2	518.2	453.1	375.3	314.9
-45°	291.9	300.1	307.6	315.9	307.6	300.1	291.9	279.9	266.7	249.5	229.0
-47.5°	221.5	225.0	229.6	235.7	229.6	225.0	221.5	216.8	212.1	207.4	201.4
-50°	194.9	198.4	203.2	209.0	203.2	198.4	194.9	190.7	187.1	185.3	183.8
-52.5°	171.9	174.1	178.0	182.8	178.0	174.1	171.9	168.7	165.5	164.6	162.8
-55°	153.9	156.7	159.4	161.8	159.4	156.7	153.9	150.7	147.4	146.7	144.9
-57.5°	139.5	141.9	143.9	145.3	143.9	141.9	139.5	136.9	134.0	132.1	129.7
-60°	124.0	125.4	127.4	129.4	127.4	125.4	124.0	122.2	120.1	117.9	115.5
-62.5°	107.4	109.1	110.3	110.9	110.3	109.1	107.4	105.2	102.7	100.5	98.7
-65°	82.3	82.3	82.6	82.7	82.6	82.3	82.3	81.9	81.1	80.4	79.6
-67.5°	67.3	67.8	68.6	69.3	68.6	67.8	67.3	66.6	65.7	64.9	64.3
-70°	54.2	54.3	52.4	49.8	52.4	54.3	54.2	54.1	54.3	54.6	54.2
-72.5°	34.7	30.5	28.5	26.7	28.5	30.5	34.7	38.9	42.9	45.8	45.5
-75°	25.7	21.3	21.1	21.1	21.1	21.3	25.7	30.0	34.2	37.5	37.4
-77.5°	19.4	15.5	15.4	15.4	15.4	15.5	19.4	23.1	26.5	29.2	29.1
-80°	13.2	11.3	11.5	11.8	11.5	11.3	13.2	15.0	16.7	18.2	18.9
-82.5°	8.9	7.7	7.7	7.7	7.7	7.7	8.9	10.0	11.1	12.0	11.6
-85°	3.4	3.1	3.1	3.1	3.1	3.1	3.4	3.8	4.1	4.4	4.1
-87.5°	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.9	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558581 (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°
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	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7
85°	3.9	3.7	3.5	3.9	4.2	4.5	4.6	4.1	3.6	3.1	2.7
82.5°	11.3	10.8	10.4	10.5	10.5	10.5	10.4	9.1	7.9	6.8	5.9
80°	19.3	19.6	19.6	19.2	18.8	18.3	17.5	15.2	13.1	11.3	10.0
77.5°	28.9	28.8	28.5	27.9	27.2	26.6	25.3	21.9	18.6	15.6	14.0
75°	37.2	36.9	36.4	35.4	34.4	33.3	31.3	28.0	24.4	20.8	18.8
72.5°	45.2	44.7	43.9	42.7	41.4	40.1	38.2	35.3	31.6	27.3	25.2
70°	53.7	53.0	52.0	50.5	48.9	47.2	45.7	43.6	40.7	37.0	34.8
67.5°	63.4	62.2	61.1	59.5	58.0	56.0	54.7	52.9	50.7	47.5	45.1
65°	77.9	75.3	73.7	73.5	72.0	69.1	66.0	63.9	61.8	58.8	55.5
62.5°	97.2	96.1	93.1	90.0	87.5	85.5	81.6	77.3	73.7	70.3	66.4
60°	112.9	110.2	107.8	104.9	101.5	98.2	95.0	90.9	85.7	81.5	77.2
57.5°	126.5	123.9	122.3	119.5	115.5	112.2	108.7	104.5	99.4	93.3	87.9
55°	141.8	139.9	138.2	135.5	131.9	127.4	122.9	118.4	112.7	105.4	98.7
52.5°	160.1	157.7	155.1	152.3	148.1	142.5	137.2	131.9	125.3	117.4	109.3
50°	181.4	176.5	172.2	168.5	163.0	156.7	150.4	144.4	136.6	128.5	120.1
47.5°	197.4	193.2	188.4	183.0	176.8	170.1	163.0	155.4	147.3	138.8	129.9
45°	221.3	212.3	202.9	196.9	190.0	182.7	175.2	166.5	157.5	148.5	139.2
42.5°	283.6	249.8	228.0	215.4	203.8	195.7	186.5	177.2	167.7	158.0	148.2
40°	465.0	334.0	290.1	247.4	224.9	210.3	198.4	187.5	177.4	167.1	156.8
37.5°	797.7	611.9	460.7	324.0	273.0	230.1	212.3	198.2	186.6	176.0	165.1
35°	1215.6	1001.5	753.6	551.6	366.0	285.8	230.6	210.8	196.1	184.5	173.0
32.5°	1578.6	1370.1	1130.6	852.7	597.5	385.7	284.8	227.7	206.6	193.0	180.8
30°	1887.4	1694.7	1466.0	1189.3	883.6	596.0	364.0	270.9	222.2	201.1	188.2
27.5°	2139.4	1966.5	1752.3	1500.6	1188.9	850.8	552.3	324.7	245.6	213.2	195.3
25°	2370.7	2188.5	1987.5	1752.6	1468.8	1127.8	758.3	466.3	291.7	226.2	201.8
22.5°	2590.5	2396.9	2190.5	1962.8	1700.2	1374.2	1005.7	623.8	338.1	249.6	212.0
20°	2802.9	2589.5	2374.5	2137.9	1875.6	1591.4	1229.8	812.6	470.7	285.2	221.6
17.5°	3020.5	2776.3	2532.7	2292.0	2026.1	1740.7	1404.3	1002.5	586.0	317.3	230.0
15°	3226.6	2953.8	2685.1	2420.4	2154.5	1865.3	1550.0	1171.6	700.4	382.1	253.7
12.5°	3435.3	3117.7	2826.0	2529.2	2262.5	1969.3	1653.4	1287.0	834.7	461.5	277.2
10°	3624.3	3268.1	2944.7	2630.6	2343.0	2052.3	1736.5	1379.8	945.1	526.8	296.5
7.5°	3786.3	3398.9	3043.4	2713.2	2407.7	2121.5	1807.8	1453.8	1028.2	577.3	311.6
5°	3911.3	3494.5	3119.3	2781.0	2457.9	2168.6	1859.9	1507.7	1084.2	612.7	322.4
2.5°	3986.4	3552.4	3163.8	2823.0	2489.1	2195.5	1887.5	1542.2	1119.9	635.5	330.5
0°	4018.8	3569.9	3196.5	2851.4	2501.1	2206.9	1886.9	1555.1	1133.0	644.0	334.3
-2.5°	3986.4	3552.4	3163.8	2823.0	2489.1	2195.5	1887.5	1542.2	1119.9	635.5	330.5
-5°	3911.3	3494.5	3119.3	2781.0	2457.9	2168.6	1859.9	1507.7	1084.2	612.7	322.4
-7.5°	3786.3	3398.9	3043.4	2713.2	2407.7	2121.5	1807.8	1453.8	1028.2	577.3	311.6
-10°	3624.3	3268.1	2944.7	2630.6	2343.0	2052.3	1736.5	1379.8	945.1	526.8	296.5
-12.5°	3435.3	3117.7	2826.0	2529.2	2262.5	1969.3	1653.4	1287.0	834.7	461.5	277.2
-15°	3226.6	2953.8	2685.1	2420.4	2154.5	1865.3	1550.0	1171.6	700.4	382.1	253.7
-17.5°	3020.5	2776.3	2532.7	2292.0	2026.1	1740.7	1404.3	1002.5	586.0	317.3	230.0
-20°	2802.9	2589.5	2374.5	2137.9	1875.6	1591.4	1229.8	812.6	470.7	285.2	221.6



REPORT NUMBER: P558581 (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°	2590.5	2396.9	2190.5	1962.8	1700.2	1374.2	1005.7	623.8	338.1	249.6	212.0
-25°	2370.7	2188.5	1987.5	1752.6	1468.8	1127.8	758.3	466.3	291.7	226.2	201.8
-27.5°	2139.4	1966.5	1752.3	1500.6	1188.9	850.8	552.3	324.7	245.6	213.2	195.3
-30°	1887.4	1694.7	1466.0	1189.3	883.6	596.0	364.0	270.9	222.2	201.1	188.2
-32.5°	1578.6	1370.1	1130.6	852.7	597.5	385.7	284.8	227.7	206.6	193.0	180.8
-35°	1215.6	1001.5	753.6	551.6	366.0	285.8	230.6	210.8	196.1	184.5	173.0
-37.5°	797.7	611.9	460.7	324.0	273.0	230.1	212.3	198.2	186.6	176.0	165.1
-40°	465.0	334.0	290.1	247.4	224.9	210.3	198.4	187.5	177.4	167.1	156.8
-42.5°	283.6	249.8	228.0	215.4	203.8	195.7	186.5	177.2	167.7	158.0	148.2
-45°	221.3	212.3	202.9	196.9	190.0	182.7	175.2	166.5	157.5	148.5	139.2
-47.5°	197.4	193.2	188.4	183.0	176.8	170.1	163.0	155.4	147.3	138.8	129.9
-50°	181.4	176.5	172.2	168.5	163.0	156.7	150.4	144.4	136.6	128.5	120.1
-52.5°	160.1	157.7	155.1	152.3	148.1	142.5	137.2	131.9	125.3	117.4	109.3
-55°	141.8	139.9	138.2	135.5	131.9	127.4	122.9	118.4	112.7	105.4	98.7
-57.5°	126.5	123.9	122.3	119.5	115.5	112.2	108.7	104.5	99.4	93.3	87.9
-60°	112.9	110.2	107.8	104.9	101.5	98.2	95.0	90.9	85.7	81.5	77.2
-62.5°	97.2	96.1	93.1	90.0	87.5	85.5	81.6	77.3	73.7	70.3	66.4
-65°	77.9	75.3	73.7	73.5	72.0	69.1	66.0	63.9	61.8	58.8	55.5
-67.5°	63.4	62.2	61.1	59.5	58.0	56.0	54.7	52.9	50.7	47.5	45.1
-70°	53.7	53.0	52.0	50.5	48.9	47.2	45.7	43.6	40.7	37.0	34.8
-72.5°	45.2	44.7	43.9	42.7	41.4	40.1	38.2	35.3	31.6	27.3	25.2
-75°	37.2	36.9	36.4	35.4	34.4	33.3	31.3	28.0	24.4	20.8	18.8
-77.5°	28.9	28.8	28.5	27.9	27.2	26.6	25.3	21.9	18.6	15.6	14.0
-80°	19.3	19.6	19.6	19.2	18.8	18.3	17.5	15.2	13.1	11.3	10.0
-82.5°	11.3	10.8	10.4	10.5	10.5	10.5	10.4	9.1	7.9	6.8	5.9
-85°	3.9	3.7	3.5	3.9	4.2	4.5	4.6	4.1	3.6	3.1	2.7
-87.5°	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	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



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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°	0.9	1.0	1.1	1.2	1.3	1.3	1.3	1.3	1.2	1.1	1.0
85°	2.9	3.0	3.1	3.0	2.8	2.6	2.6	2.6	2.5	2.3	2.1
82.5°	6.1	6.3	6.5	6.5	6.1	5.7	5.2	4.7	4.2	3.5	3.1
80°	10.6	10.9	11.0	10.7	9.7	8.7	8.0	7.3	6.8	6.1	5.1
77.5°	15.1	15.8	16.0	15.7	14.3	12.9	11.5	10.2	9.4	8.6	7.5
75°	19.7	20.8	21.4	21.0	19.2	17.0	15.3	13.8	12.7	11.3	9.9
72.5°	25.6	26.1	26.7	26.6	25.0	22.8	20.0	17.4	16.2	14.5	12.5
70°	33.5	32.0	31.7	31.4	30.5	28.8	25.9	22.5	19.7	17.9	15.6
67.5°	43.1	41.1	39.0	36.8	35.6	34.1	31.8	27.8	24.1	21.2	18.7
65°	52.6	49.9	47.4	44.1	41.5	39.4	37.0	32.8	28.3	24.6	21.7
62.5°	62.3	58.3	54.9	51.2	47.7	44.8	42.2	37.4	32.4	27.9	24.5
60°	72.5	67.7	62.5	58.0	53.8	49.9	46.5	42.0	36.6	31.1	27.0
57.5°	82.8	77.2	70.9	64.9	59.9	55.2	50.6	46.0	40.6	34.6	29.2
55°	92.9	86.8	79.2	72.1	66.0	60.6	54.9	49.6	44.5	38.2	30.9
52.5°	102.0	95.6	88.0	79.5	72.1	65.8	59.5	53.2	47.8	41.7	33.1
50°	111.3	103.4	96.1	87.7	78.3	71.0	63.9	57.2	50.9	45.0	35.2
47.5°	121.0	111.7	103.2	95.3	85.7	75.9	68.4	61.1	54.0	47.7	37.0
45°	129.8	120.3	110.5	101.7	92.6	81.8	72.9	64.9	57.4	49.1	38.6
42.5°	138.2	128.2	118.0	108.0	98.4	87.5	77.1	68.7	60.6	50.2	39.7
40°	146.3	135.7	125.1	114.6	104.2	92.7	81.8	72.4	63.5	51.1	40.4
37.5°	154.0	142.9	131.8	120.9	110.1	98.1	86.1	76.0	64.9	52.2	40.9
35°	161.4	149.7	138.4	127.0	115.6	103.5	89.9	79.4	66.9	53.1	41.2
32.5°	168.4	156.3	144.7	132.9	120.9	109.0	94.2	82.5	69.5	53.8	41.2
30°	175.3	162.7	150.5	138.5	125.9	113.6	99.1	85.5	72.4	54.3	41.2
27.5°	181.9	168.7	156.0	143.6	130.7	117.8	103.8	88.5	75.7	55.4	41.5
25°	187.9	174.3	161.1	148.3	135.2	121.9	108.2	91.4	78.5	57.7	41.6
22.5°	193.5	179.3	165.8	152.6	139.7	125.8	111.9	95.1	80.8	60.0	41.6
20°	198.6	183.8	170.1	157.2	143.7	129.5	115.0	98.3	82.9	62.3	41.4
17.5°	203.7	188.5	175.1	161.5	147.4	132.9	117.9	101.3	84.8	64.7	41.0
15°	211.7	193.6	179.6	165.5	150.9	135.9	120.6	103.8	86.6	66.9	40.9
12.5°	218.9	198.2	183.7	169.3	154.0	138.6	123.1	106.0	88.2	68.5	41.0
10°	225.0	202.2	187.2	172.7	156.9	140.9	125.2	107.9	89.5	69.1	40.9
7.5°	229.9	205.6	190.3	175.7	159.5	143.0	127.2	109.5	90.8	69.2	40.6
5°	234.2	209.3	194.2	179.0	162.5	145.2	128.8	110.7	92.0	68.7	40.1
2.5°	239.1	213.8	198.6	182.0	165.2	147.0	130.1	111.6	92.9	67.7	39.3
0°	242.9	217.8	202.4	184.4	167.4	148.4	131.0	112.0	93.5	66.3	38.5
-2.5°	239.1	213.8	198.6	182.0	165.2	147.0	130.1	111.6	92.9	67.7	39.3
-5°	234.2	209.3	194.2	179.0	162.5	145.2	128.8	110.7	92.0	68.7	40.1
-7.5°	229.9	205.6	190.3	175.7	159.5	143.0	127.2	109.5	90.8	69.2	40.6
-10°	225.0	202.2	187.2	172.7	156.9	140.9	125.2	107.9	89.5	69.1	40.9
-12.5°	218.9	198.2	183.7	169.3	154.0	138.6	123.1	106.0	88.2	68.5	41.0
-15°	211.7	193.6	179.6	165.5	150.9	135.9	120.6	103.8	86.6	66.9	40.9
-17.5°	203.7	188.5	175.1	161.5	147.4	132.9	117.9	101.3	84.8	64.7	41.0
-20°	198.6	183.8	170.1	157.2	143.7	129.5	115.0	98.3	82.9	62.3	41.4



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	193.5	179.3	165.8	152.6	139.7	125.8	111.9	95.1	80.8	60.0	41.6
-25°	187.9	174.3	161.1	148.3	135.2	121.9	108.2	91.4	78.5	57.7	41.6
-27.5°	181.9	168.7	156.0	143.6	130.7	117.8	103.8	88.5	75.7	55.4	41.5
-30°	175.3	162.7	150.5	138.5	125.9	113.6	99.1	85.5	72.4	54.3	41.2
-32.5°	168.4	156.3	144.7	132.9	120.9	109.0	94.2	82.5	69.5	53.8	41.2
-35°	161.4	149.7	138.4	127.0	115.6	103.5	89.9	79.4	66.9	53.1	41.2
-37.5°	154.0	142.9	131.8	120.9	110.1	98.1	86.1	76.0	64.9	52.2	40.9
-40°	146.3	135.7	125.1	114.6	104.2	92.7	81.8	72.4	63.5	51.1	40.4
-42.5°	138.2	128.2	118.0	108.0	98.4	87.5	77.1	68.7	60.6	50.2	39.7
-45°	129.8	120.3	110.5	101.7	92.6	81.8	72.9	64.9	57.4	49.1	38.6
-47.5°	121.0	111.7	103.2	95.3	85.7	75.9	68.4	61.1	54.0	47.7	37.0
-50°	111.3	103.4	96.1	87.7	78.3	71.0	63.9	57.2	50.9	45.0	35.2
-52.5°	102.0	95.6	88.0	79.5	72.1	65.8	59.5	53.2	47.8	41.7	33.1
-55°	92.9	86.8	79.2	72.1	66.0	60.6	54.9	49.6	44.5	38.2	30.9
-57.5°	82.8	77.2	70.9	64.9	59.9	55.2	50.6	46.0	40.6	34.6	29.2
-60°	72.5	67.7	62.5	58.0	53.8	49.9	46.5	42.0	36.6	31.1	27.0
-62.5°	62.3	58.3	54.9	51.2	47.7	44.8	42.2	37.4	32.4	27.9	24.5
-65°	52.6	49.9	47.4	44.1	41.5	39.4	37.0	32.8	28.3	24.6	21.7
-67.5°	43.1	41.1	39.0	36.8	35.6	34.1	31.8	27.8	24.1	21.2	18.7
-70°	33.5	32.0	31.7	31.4	30.5	28.8	25.9	22.5	19.7	17.9	15.6
-72.5°	25.6	26.1	26.7	26.6	25.0	22.8	20.0	17.4	16.2	14.5	12.5
-75°	19.7	20.8	21.4	21.0	19.2	17.0	15.3	13.8	12.7	11.3	9.9
-77.5°	15.1	15.8	16.0	15.7	14.3	12.9	11.5	10.2	9.4	8.6	7.5
-80°	10.6	10.9	11.0	10.7	9.7	8.7	8.0	7.3	6.8	6.1	5.1
-82.5°	6.1	6.3	6.5	6.5	6.1	5.7	5.2	4.7	4.2	3.5	3.1
-85°	2.9	3.0	3.1	3.0	2.8	2.6	2.6	2.6	2.5	2.3	2.1
-87.5°	0.9	1.0	1.1	1.2	1.3	1.3	1.3	1.3	1.2	1.1	1.0
-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°	0.9	0.7	0.5	0.4	0.2	0.1	0.0
85°	1.9	1.4	1.1	0.7	0.5	0.2	0.0
82.5°	2.8	2.2	1.6	1.1	0.7	0.3	0.0
80°	3.8	2.9	2.1	1.5	0.9	0.5	0.0
77.5°	6.0	3.9	2.7	1.8	1.1	0.6	0.0
75°	8.1	5.6	3.3	2.2	1.3	0.7	0.0
72.5°	10.2	7.2	4.5	2.5	1.6	0.8	0.0
70°	12.3	8.8	5.7	3.0	1.8	0.9	0.0
67.5°	14.8	10.3	6.8	3.8	2.0	1.0	0.0
65°	17.1	11.9	7.9	4.5	2.2	1.1	0.0
62.5°	19.3	13.7	9.0	5.3	2.4	1.2	0.0
60°	21.4	15.3	10.0	6.0	2.6	1.3	0.0
57.5°	22.9	16.9	11.1	6.7	3.0	1.4	0.0
55°	24.1	18.4	12.3	7.3	3.5	1.5	0.0
52.5°	25.1	19.6	13.3	7.9	3.9	1.6	0.0
50°	26.0	20.3	14.3	8.5	4.3	1.7	0.0
47.5°	26.8	20.8	15.2	9.1	4.7	1.8	0.0
45°	28.1	21.2	16.0	9.7	5.1	1.8	0.0
42.5°	29.2	21.4	16.7	10.2	5.4	1.9	0.0
40°	30.1	21.5	17.1	10.8	5.7	2.0	0.0
37.5°	30.9	21.5	17.2	11.4	6.1	2.1	0.0
35°	31.4	21.8	17.2	12.0	6.4	2.1	0.0
32.5°	31.6	22.2	17.1	12.6	6.6	2.2	0.0
30°	31.6	22.4	16.9	13.2	6.9	2.3	0.0
27.5°	31.4	22.4	17.1	13.7	7.1	2.3	0.0
25°	31.0	22.4	17.3	14.2	7.3	2.4	0.0
22.5°	30.5	22.4	17.5	14.7	7.5	2.4	0.0
20°	29.9	23.0	17.6	15.2	7.7	2.4	0.0
17.5°	29.9	23.5	17.7	15.6	7.8	2.5	0.0
15°	30.3	24.0	17.8	16.0	7.9	2.5	0.0
12.5°	30.7	24.3	17.9	16.4	8.0	2.5	0.0
10°	31.0	24.6	17.9	16.7	8.1	2.6	0.0
7.5°	31.2	24.9	18.0	17.0	8.2	2.6	0.0
5°	31.3	25.1	18.0	17.2	8.2	2.6	0.0
2.5°	31.3	25.2	18.0	17.4	8.2	2.6	0.0
0°	31.3	25.2	18.0	17.4	8.2	2.6	0.0
-2.5°	31.3	25.2	18.0	17.4	8.2	2.6	0.0
-5°	31.3	25.1	18.0	17.2	8.2	2.6	0.0
-7.5°	31.2	24.9	18.0	17.0	8.2	2.6	0.0
-10°	31.0	24.6	17.9	16.7	8.1	2.6	0.0
-12.5°	30.7	24.3	17.9	16.4	8.0	2.5	0.0
-15°	30.3	24.0	17.8	16.0	7.9	2.5	0.0
-17.5°	29.9	23.5	17.7	15.6	7.8	2.5	0.0
-20°	29.9	23.0	17.6	15.2	7.7	2.4	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	30.5	22.4	17.5	14.7	7.5	2.4	0.0
-25°	31.0	22.4	17.3	14.2	7.3	2.4	0.0
-27.5°	31.4	22.4	17.1	13.7	7.1	2.3	0.0
-30°	31.6	22.4	16.9	13.2	6.9	2.3	0.0
-32.5°	31.6	22.2	17.1	12.6	6.6	2.2	0.0
-35°	31.4	21.8	17.2	12.0	6.4	2.1	0.0
-37.5°	30.9	21.5	17.2	11.4	6.1	2.1	0.0
-40°	30.1	21.5	17.1	10.8	5.7	2.0	0.0
-42.5°	29.2	21.4	16.7	10.2	5.4	1.9	0.0
-45°	28.1	21.2	16.0	9.7	5.1	1.8	0.0
-47.5°	26.8	20.8	15.2	9.1	4.7	1.8	0.0
-50°	26.0	20.3	14.3	8.5	4.3	1.7	0.0
-52.5°	25.1	19.6	13.3	7.9	3.9	1.6	0.0
-55°	24.1	18.4	12.3	7.3	3.5	1.5	0.0
-57.5°	22.9	16.9	11.1	6.7	3.0	1.4	0.0
-60°	21.4	15.3	10.0	6.0	2.6	1.3	0.0
-62.5°	19.3	13.7	9.0	5.3	2.4	1.2	0.0
-65°	17.1	11.9	7.9	4.5	2.2	1.1	0.0
-67.5°	14.8	10.3	6.8	3.8	2.0	1.0	0.0
-70°	12.3	8.8	5.7	3.0	1.8	0.9	0.0
-72.5°	10.2	7.2	4.5	2.5	1.6	0.8	0.0
-75°	8.1	5.6	3.3	2.2	1.3	0.7	0.0
-77.5°	6.0	3.9	2.7	1.8	1.1	0.6	0.0
-80°	3.8	2.9	2.1	1.5	0.9	0.5	0.0
-82.5°	2.8	2.2	1.6	1.1	0.7	0.3	0.0
-85°	1.9	1.4	1.1	0.7	0.5	0.2	0.0
-87.5°	0.9	0.7	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)