

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: P561389 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-08
Report Number: P561389 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-305-5)
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-MWR-BK
Description: GALLEON FLOOD, ONE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5
Light Source: (64) 1549K CCT, -21.5 CRI LEDS
Ballast/Driver: -

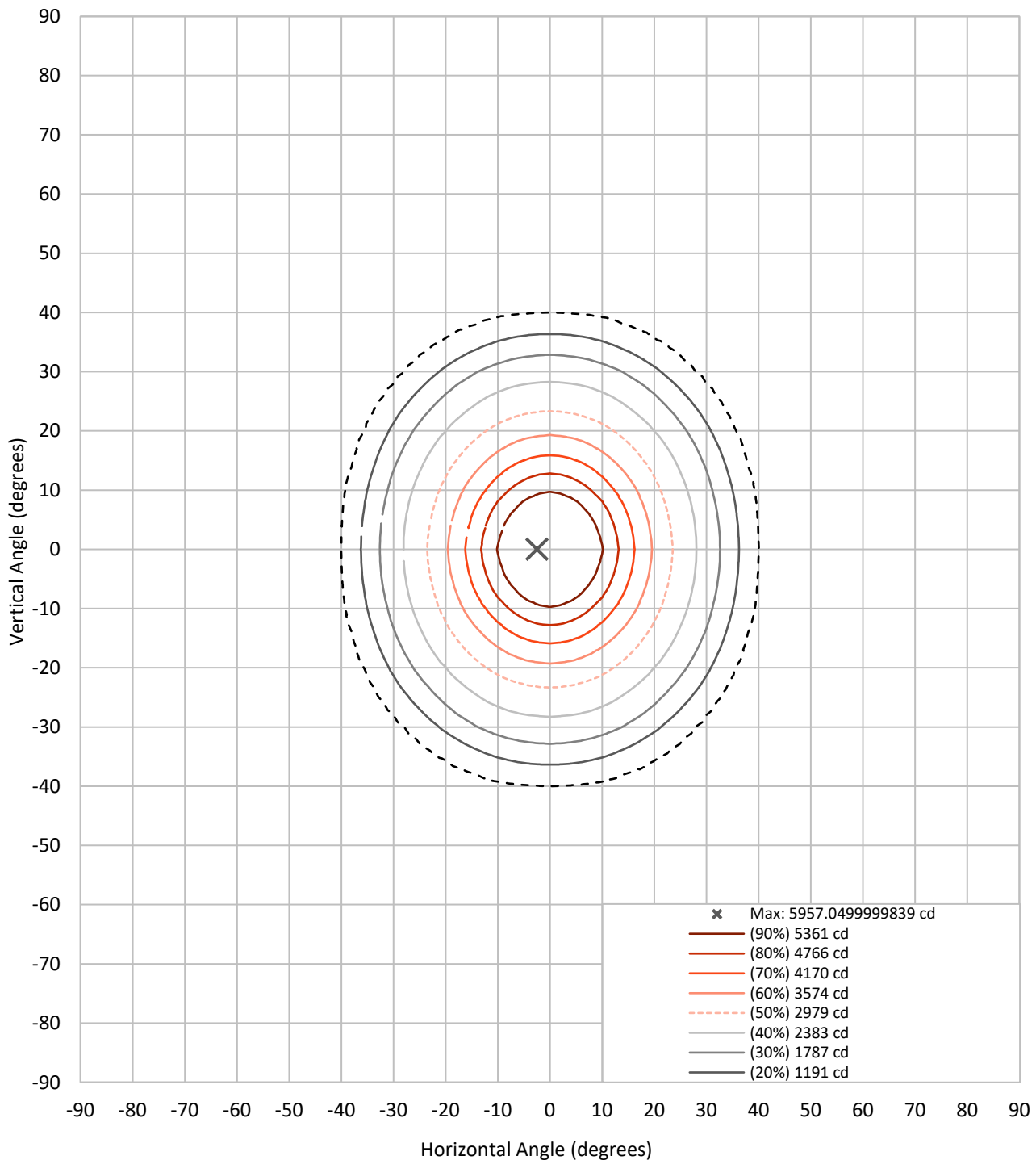
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	4539.6 lumens	Max Intensity:	5957 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	56.4 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	47.1°H x 46.4°V	Field Angle (10%):	80.1°H x 79.9°V
Beam Lumens:	2183.4 lumens	Field Lumens:	3888.1 lumens
Beam Efficiency:	48.1%	Field Efficiency:	85.6%
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: P561389 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4B-AMB-U-MWR-BK

Iso-Candela Plot





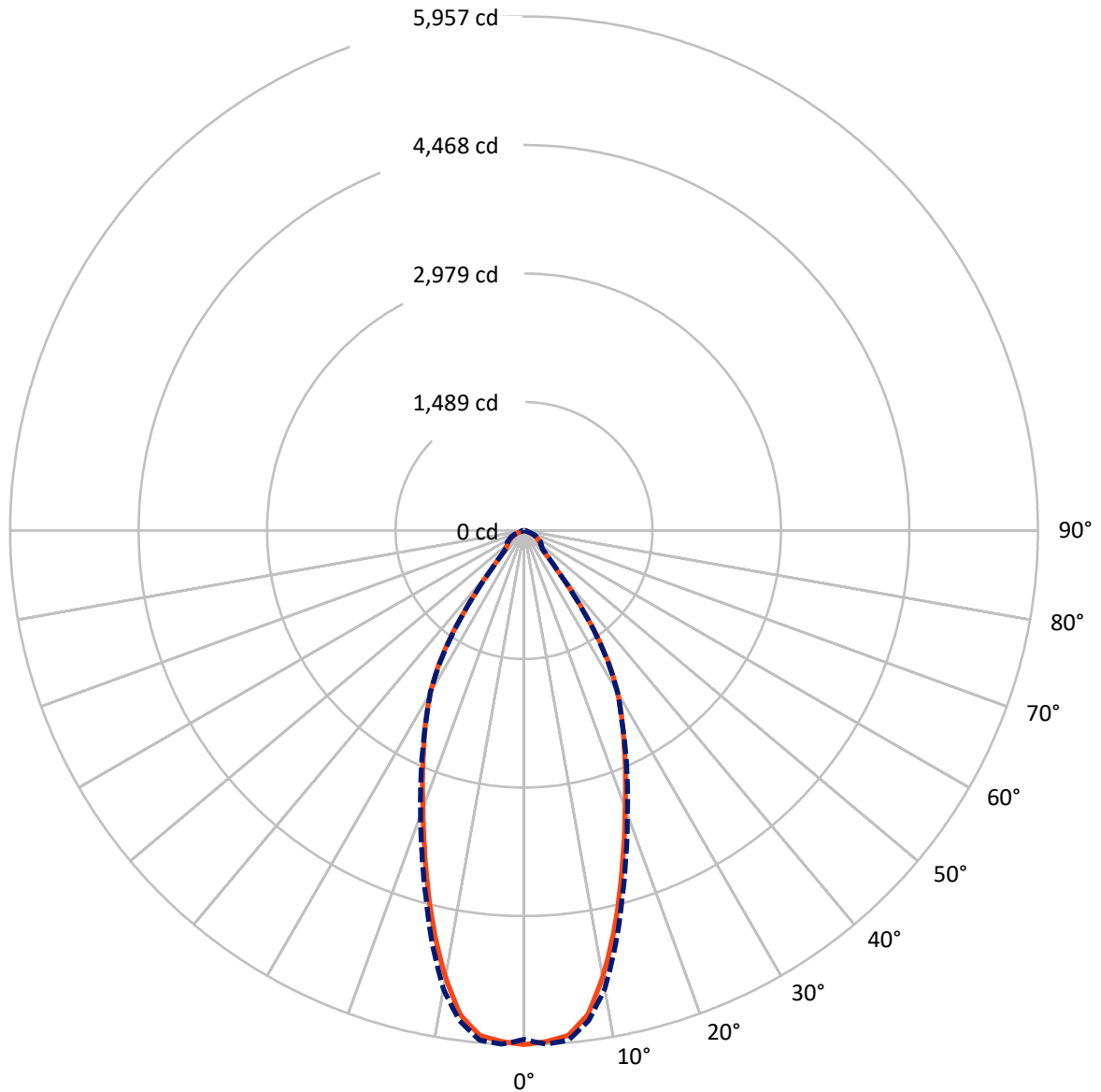
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Lumen Table

90																			
80	0.1	0.9		2.1		3.8		2.6		3.8		2.1		0.9		0.1			
70																			
60	0.5	0.6	1.1	1.7	2.4	3.0	3.5	3.8	3.8	3.5	3.0	2.4	1.7	1.1	0.6	0.5			
50		0.9	1.8	2.9	4.0	5.0	5.7	6.3	6.3	5.7	5.0	4.0	2.9	1.8	0.9				
40	0.7	1.2	2.4	3.9	5.5	6.9	8.5	10.2	10.2	8.5	6.9	5.5	3.9	2.4	1.2	0.7			
30		1.4	2.9	4.7	6.8	13.7	28.9	40.9	40.9	28.9	13.7	6.8	4.7	2.9	1.4				
20	0.7	1.6	3.4	5.3	12.4	38.8	66.4	82.0	82.0	66.4	38.8	12.4	5.3	3.4	1.6	0.7			
10		1.8	3.7	6.3	24.6	62.1	96.6	125.9	125.9	96.6	62.1	24.6	6.3	3.7	1.8				
0	0.7	1.9	3.9	7.4	33.5	74.7	123.1	168.6	168.6	123.1	74.7	33.5	7.4	3.9	1.9	0.7			
-10		1.9	3.9	7.4	33.5	74.7	123.1	168.6	168.6	123.1	74.7	33.5	7.4	3.9	1.9				
-20	0.7	1.8	3.7	6.3	24.6	62.1	96.6	125.9	125.9	96.6	62.1	24.6	6.3	3.7	1.8	0.7			
-30		1.6	3.4	5.3	12.4	38.8	66.4	82.0	82.0	66.4	38.8	12.4	5.3	3.4	1.6				
-40	0.7	1.4	2.9	4.7	6.8	13.7	28.9	40.9	40.9	28.9	13.7	6.8	4.7	2.9	1.4	0.7			
-50		1.2	2.4	3.9	5.5	6.9	8.5	10.2	10.2	8.5	6.9	5.5	3.9	2.4	1.2				
-60	0.5	0.9	1.8	2.9	4.0	5.0	5.7	6.3	6.3	5.7	5.0	4.0	2.9	1.8	0.9	0.5			
-70		0.6	1.1	1.7	2.4	3.0	3.5	3.8	3.8	3.5	3.0	2.4	1.7	1.1	0.6				
-80																			
-90	0.1	0.9		2.1		3.8		2.6		3.8		2.1		0.9		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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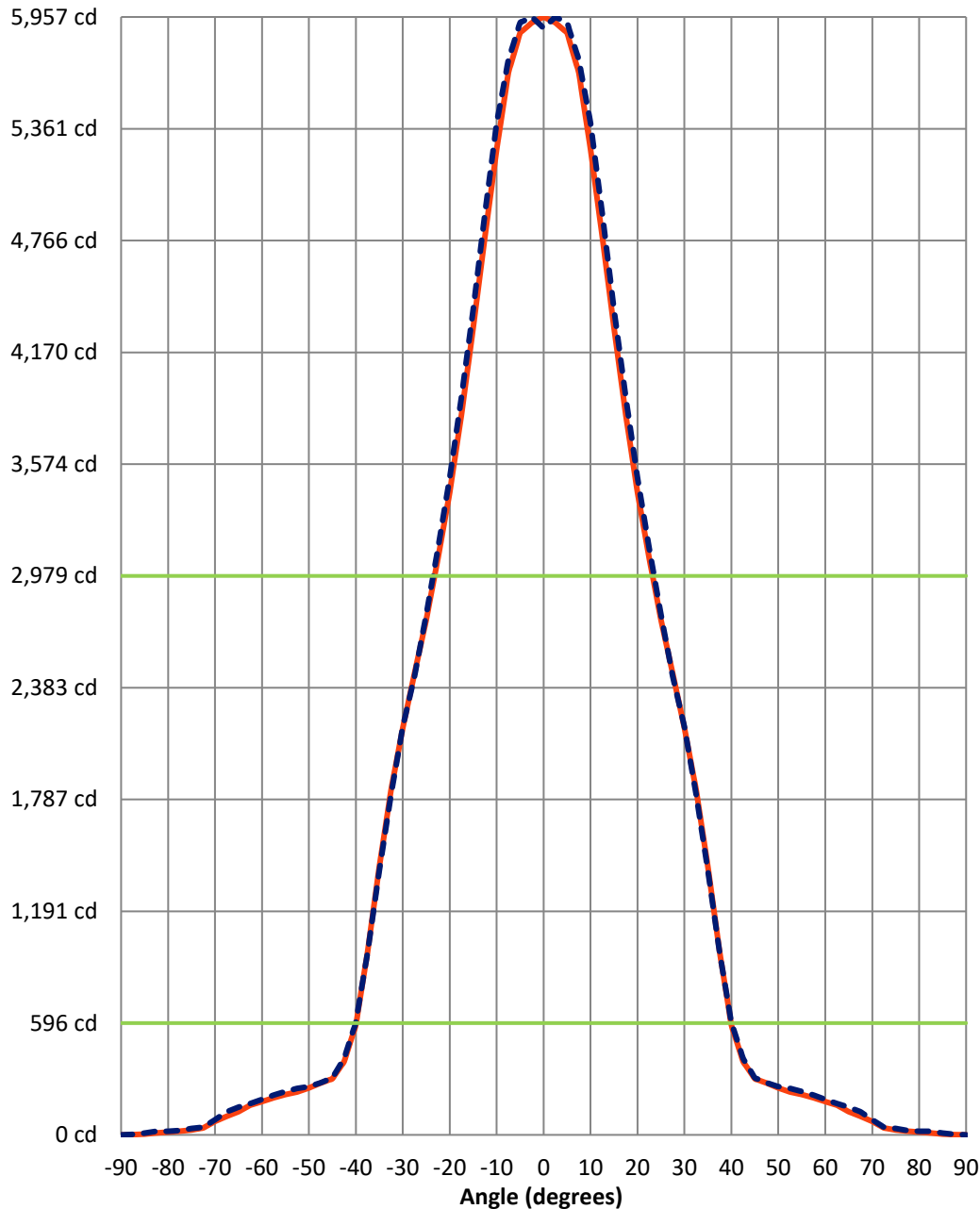
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 47.1°
 V Angle: 46.4°
 Lumens: 2183.4
 Efficiency: 48.1%

Field:
 H Angle: 80.1°
 V Angle: 79.9°
 Lumens: 3888.1
 Efficiency: 85.6%

Spill:
 Lumens: 651.5
 Efficiency: 14.4%

— Vertical Distribution through -2.5-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	0.4	0.6	0.8	1.1	1.4	1.5	1.6	1.7	1.7
85°	0.0	0.3	0.7	1.2	1.7	2.2	2.8	3.1	3.3	3.4	3.5
82.5°	0.0	0.4	1.1	1.7	2.5	3.3	4.2	4.7	5.0	5.8	6.3
80°	0.0	0.6	1.4	2.3	3.3	4.4	5.8	7.2	8.3	9.2	9.8
77.5°	0.0	0.7	1.8	2.9	4.1	5.8	8.5	10.3	11.6	12.6	13.8
75°	0.0	0.9	2.1	3.4	5.0	7.7	11.1	13.4	15.1	17.3	19.1
72.5°	0.0	1.0	2.4	4.0	6.3	9.6	13.7	16.9	20.0	22.5	24.4
70°	0.0	1.1	2.7	4.5	7.6	11.4	16.3	21.5	25.0	27.8	32.2
67.5°	0.0	1.3	3.1	5.3	8.8	13.2	19.9	26.1	30.0	34.9	40.3
65°	0.0	1.4	3.4	6.1	9.9	15.2	23.2	30.7	35.9	41.7	47.9
62.5°	0.0	1.5	3.6	6.8	11.0	17.5	26.4	35.5	41.6	48.2	54.5
60°	0.0	1.7	3.9	7.4	12.0	19.6	29.3	40.2	47.1	53.7	60.9
57.5°	0.0	1.8	4.3	8.1	13.4	21.6	31.7	44.3	51.8	59.0	66.3
55°	0.0	1.9	4.7	8.7	14.6	23.3	33.8	47.2	56.1	63.9	71.3
52.5°	0.0	2.0	5.1	9.2	15.7	24.8	35.6	49.1	60.2	68.2	76.1
50°	0.0	2.1	5.4	9.7	16.7	25.8	37.0	50.6	64.0	72.4	80.6
47.5°	0.0	2.2	5.8	10.1	17.6	26.6	38.0	51.6	67.6	76.5	85.0
45°	0.0	2.3	6.1	10.7	18.3	27.0	38.5	52.3	68.8	80.4	89.3
42.5°	0.0	2.3	6.5	11.1	18.8	27.3	38.6	52.7	69.5	84.2	94.0
40°	0.0	2.4	6.8	11.6	19.1	27.2	38.5	53.0	69.9	87.5	98.5
37.5°	0.0	2.5	7.1	12.3	19.0	27.0	38.1	53.1	70.3	88.2	102.8
35°	0.0	2.5	7.4	12.9	18.7	26.5	37.3	52.8	70.4	89.9	107.4
32.5°	0.0	2.6	7.7	13.5	18.3	25.8	36.5	52.3	70.3	92.5	111.8
30°	0.0	2.6	7.9	14.1	17.8	24.9	35.8	51.6	70.1	95.7	116.0
27.5°	0.0	2.7	8.2	14.6	18.0	23.8	35.0	51.0	70.6	99.6	120.1
25°	0.0	2.7	8.4	15.2	18.3	22.6	33.9	50.3	73.0	103.1	123.9
22.5°	0.0	2.7	8.6	15.8	18.5	21.7	32.6	49.4	75.6	106.1	127.4
20°	0.0	2.8	8.8	16.3	18.7	22.0	31.1	48.2	78.3	108.8	130.7
17.5°	0.0	2.8	9.0	16.8	18.9	22.3	31.1	46.8	81.0	111.1	133.7
15°	0.0	2.8	9.2	17.2	19.0	22.6	31.9	46.1	83.7	113.2	136.4
12.5°	0.0	2.8	9.3	17.7	19.1	22.8	32.6	46.0	85.5	115.0	138.9
10°	0.0	2.8	9.4	18.1	19.1	23.0	33.2	45.6	86.1	116.9	141.2
7.5°	0.0	2.8	9.5	18.4	19.2	23.1	33.6	44.8	85.9	118.9	143.6
5°	0.0	2.8	9.5	18.7	19.2	23.2	33.9	43.8	84.9	120.7	145.4
2.5°	0.0	2.7	9.6	19.0	19.2	23.3	34.1	42.5	83.1	122.2	146.8
0°	0.0	2.7	9.6	19.2	19.2	23.3	34.2	41.0	80.7	123.1	147.7
-2.5°	0.0	2.7	9.6	19.0	19.2	23.3	34.1	42.5	83.1	122.2	146.8
-5°	0.0	2.8	9.5	18.7	19.2	23.2	33.9	43.8	84.9	120.7	145.4
-7.5°	0.0	2.8	9.5	18.4	19.2	23.1	33.6	44.8	85.9	118.9	143.6
-10°	0.0	2.8	9.4	18.1	19.1	23.0	33.2	45.6	86.1	116.9	141.2
-12.5°	0.0	2.8	9.3	17.7	19.1	22.8	32.6	46.0	85.5	115.0	138.9
-15°	0.0	2.8	9.2	17.2	19.0	22.6	31.9	46.1	83.7	113.2	136.4
-17.5°	0.0	2.8	9.0	16.8	18.9	22.3	31.1	46.8	81.0	111.1	133.7
-20°	0.0	2.8	8.8	16.3	18.7	22.0	31.1	48.2	78.3	108.8	130.7



REPORT NUMBER: P561389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-MWR-BK

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.7	8.6	15.8	18.5	21.7	32.6	49.4	75.6	106.1	127.4
-25°	0.0	2.7	8.4	15.2	18.3	22.6	33.9	50.3	73.0	103.1	123.9
-27.5°	0.0	2.7	8.2	14.6	18.0	23.8	35.0	51.0	70.6	99.6	120.1
-30°	0.0	2.6	7.9	14.1	17.8	24.9	35.8	51.6	70.1	95.7	116.0
-32.5°	0.0	2.6	7.7	13.5	18.3	25.8	36.5	52.3	70.3	92.5	111.8
-35°	0.0	2.5	7.4	12.9	18.7	26.5	37.3	52.8	70.4	89.9	107.4
-37.5°	0.0	2.5	7.1	12.3	19.0	27.0	38.1	53.1	70.3	88.2	102.8
-40°	0.0	2.4	6.8	11.6	19.1	27.2	38.5	53.0	69.9	87.5	98.5
-42.5°	0.0	2.3	6.5	11.1	18.8	27.3	38.6	52.7	69.5	84.2	94.0
-45°	0.0	2.3	6.1	10.7	18.3	27.0	38.5	52.3	68.8	80.4	89.3
-47.5°	0.0	2.2	5.8	10.1	17.6	26.6	38.0	51.6	67.6	76.5	85.0
-50°	0.0	2.1	5.4	9.7	16.7	25.8	37.0	50.6	64.0	72.4	80.6
-52.5°	0.0	2.0	5.1	9.2	15.7	24.8	35.6	49.1	60.2	68.2	76.1
-55°	0.0	1.9	4.7	8.7	14.6	23.3	33.8	47.2	56.1	63.9	71.3
-57.5°	0.0	1.8	4.3	8.1	13.4	21.6	31.7	44.3	51.8	59.0	66.3
-60°	0.0	1.7	3.9	7.4	12.0	19.6	29.3	40.2	47.1	53.7	60.9
-62.5°	0.0	1.5	3.6	6.8	11.0	17.5	26.4	35.5	41.6	48.2	54.5
-65°	0.0	1.4	3.4	6.1	9.9	15.2	23.2	30.7	35.9	41.7	47.9
-67.5°	0.0	1.3	3.1	5.3	8.8	13.2	19.9	26.1	30.0	34.9	40.3
-70°	0.0	1.1	2.7	4.5	7.6	11.4	16.3	21.5	25.0	27.8	32.2
-72.5°	0.0	1.0	2.4	4.0	6.3	9.6	13.7	16.9	20.0	22.5	24.4
-75°	0.0	0.9	2.1	3.4	5.0	7.7	11.1	13.4	15.1	17.3	19.1
-77.5°	0.0	0.7	1.8	2.9	4.1	5.8	8.5	10.3	11.6	12.6	13.8
-80°	0.0	0.6	1.4	2.3	3.3	4.4	5.8	7.2	8.3	9.2	9.8
-82.5°	0.0	0.4	1.1	1.7	2.5	3.3	4.2	4.7	5.0	5.8	6.3
-85°	0.0	0.3	0.7	1.2	1.7	2.2	2.8	3.1	3.3	3.4	3.5
-87.5°	0.0	0.1	0.4	0.6	0.8	1.1	1.4	1.5	1.6	1.7	1.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-MWR-BK

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°	1.7	1.7	1.6	1.6	1.4	1.3	1.2	1.0	1.0	1.1	1.1
85°	3.5	3.4	3.7	4.1	4.2	4.2	4.0	3.7	4.3	5.0	5.8
82.5°	7.0	7.8	8.7	9.6	9.5	9.1	8.5	7.6	9.0	10.9	13.2
80°	10.9	12.2	14.2	16.2	16.3	15.4	13.9	11.9	14.2	17.9	22.2
77.5°	16.0	18.6	21.2	23.9	23.8	21.9	19.6	17.0	19.9	25.6	31.7
75°	21.6	24.8	28.3	30.8	30.3	28.2	25.8	24.5	28.4	35.3	41.8
72.5°	28.5	32.9	35.9	37.6	38.1	37.5	37.0	36.4	39.7	46.7	52.5
70°	37.1	41.2	44.1	46.4	47.8	48.0	48.8	50.2	53.4	59.4	64.2
67.5°	45.8	49.6	52.8	55.3	57.4	58.9	61.2	65.0	69.7	74.7	77.6
65°	53.8	58.0	61.0	63.8	66.6	70.4	75.2	80.8	85.1	88.3	91.6
62.5°	61.6	65.3	68.7	72.3	76.9	82.3	88.0	92.9	97.1	102.0	107.6
60°	67.6	72.2	76.2	81.1	87.0	93.8	99.8	105.6	111.0	116.5	123.3
57.5°	73.1	78.7	83.5	89.8	97.5	105.6	113.0	119.5	125.7	132.1	138.7
55°	78.4	84.6	90.9	99.0	108.2	118.3	126.4	133.3	140.5	148.4	155.3
52.5°	83.3	90.4	98.9	108.6	119.8	130.1	138.7	146.6	155.0	164.1	171.5
50°	88.2	97.2	107.0	119.2	130.4	140.5	150.2	158.9	168.6	178.2	187.7
47.5°	93.7	103.6	116.5	129.0	139.7	150.1	160.2	171.1	181.7	192.4	203.0
45°	99.4	111.4	125.6	137.3	148.4	159.0	170.9	183.3	194.8	205.9	215.8
42.5°	104.7	119.3	133.0	145.1	156.2	168.3	181.4	194.5	206.7	217.0	226.6
40°	111.3	126.7	139.9	152.1	163.9	177.6	191.1	204.6	216.2	226.1	235.5
37.5°	117.7	132.9	146.6	159.0	172.0	186.0	199.9	213.1	224.1	233.9	241.6
35°	123.7	138.8	152.9	166.1	179.9	193.5	207.9	220.9	230.8	239.6	248.9
32.5°	129.1	144.6	159.1	172.9	187.3	201.1	215.8	226.6	236.4	245.8	258.0
30°	133.9	150.0	165.0	179.1	194.7	209.1	221.6	231.7	241.6	253.9	272.6
27.5°	138.4	155.1	170.2	185.4	201.8	216.3	227.1	236.5	248.1	263.6	289.4
25°	142.8	159.9	174.9	191.8	208.0	221.7	232.5	241.7	254.8	278.3	330.7
22.5°	146.9	164.2	179.7	198.0	213.5	226.7	237.0	248.0	264.8	293.5	378.0
20°	150.5	168.0	184.8	203.8	218.4	231.5	240.7	254.3	276.9	333.8	448.7
17.5°	153.6	171.7	189.9	208.2	222.9	235.6	244.3	260.2	287.4	369.7	524.4
15°	156.4	175.1	194.3	212.2	227.0	239.2	250.1	268.5	307.8	409.8	594.1
12.5°	158.7	178.4	198.1	215.8	230.7	242.8	255.4	276.6	333.6	463.9	705.9
10°	160.6	181.3	201.4	219.0	234.0	246.4	259.7	283.3	355.7	510.2	798.1
7.5°	162.8	183.9	204.2	221.7	236.7	249.7	263.1	288.8	373.5	546.6	869.8
5°	164.6	186.1	207.3	225.3	240.3	252.8	266.5	293.0	386.9	573.0	920.6
2.5°	166.0	187.7	209.9	228.5	244.2	255.3	272.3	299.0	399.2	590.8	954.5
0°	166.9	188.8	212.0	231.2	247.6	257.2	277.7	303.7	407.6	599.1	971.2
-2.5°	166.0	187.7	209.9	228.5	244.2	255.3	272.3	299.0	399.2	590.8	954.5
-5°	164.6	186.1	207.3	225.3	240.3	252.8	266.5	293.0	386.9	573.0	920.6
-7.5°	162.8	183.9	204.2	221.7	236.7	249.7	263.1	288.8	373.5	546.6	869.8
-10°	160.6	181.3	201.4	219.0	234.0	246.4	259.7	283.3	355.7	510.2	798.1
-12.5°	158.7	178.4	198.1	215.8	230.7	242.8	255.4	276.6	333.6	463.9	705.9
-15°	156.4	175.1	194.3	212.2	227.0	239.2	250.1	268.5	307.8	409.8	594.1
-17.5°	153.6	171.7	189.9	208.2	222.9	235.6	244.3	260.2	287.4	369.7	524.4
-20°	150.5	168.0	184.8	203.8	218.4	231.5	240.7	254.3	276.9	333.8	448.7



REPORT NUMBER: P561389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-MWR-BK

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	146.9	164.2	179.7	198.0	213.5	226.7	237.0	248.0	264.8	293.5	378.0
-25°	142.8	159.9	174.9	191.8	208.0	221.7	232.5	241.7	254.8	278.3	330.7
-27.5°	138.4	155.1	170.2	185.4	201.8	216.3	227.1	236.5	248.1	263.6	289.4
-30°	133.9	150.0	165.0	179.1	194.7	209.1	221.6	231.7	241.6	253.9	272.6
-32.5°	129.1	144.6	159.1	172.9	187.3	201.1	215.8	226.6	236.4	245.8	258.0
-35°	123.7	138.8	152.9	166.1	179.9	193.5	207.9	220.9	230.8	239.6	248.9
-37.5°	117.7	132.9	146.6	159.0	172.0	186.0	199.9	213.1	224.1	233.9	241.6
-40°	111.3	126.7	139.9	152.1	163.9	177.6	191.1	204.6	216.2	226.1	235.5
-42.5°	104.7	119.3	133.0	145.1	156.2	168.3	181.4	194.5	206.7	217.0	226.6
-45°	99.4	111.4	125.6	137.3	148.4	159.0	170.9	183.3	194.8	205.9	215.8
-47.5°	93.7	103.6	116.5	129.0	139.7	150.1	160.2	171.1	181.7	192.4	203.0
-50°	88.2	97.2	107.0	119.2	130.4	140.5	150.2	158.9	168.6	178.2	187.7
-52.5°	83.3	90.4	98.9	108.6	119.8	130.1	138.7	146.6	155.0	164.1	171.5
-55°	78.4	84.6	90.9	99.0	108.2	118.3	126.4	133.3	140.5	148.4	155.3
-57.5°	73.1	78.7	83.5	89.8	97.5	105.6	113.0	119.5	125.7	132.1	138.7
-60°	67.6	72.2	76.2	81.1	87.0	93.8	99.8	105.6	111.0	116.5	123.3
-62.5°	61.6	65.3	68.7	72.3	76.9	82.3	88.0	92.9	97.1	102.0	107.6
-65°	53.8	58.0	61.0	63.8	66.6	70.4	75.2	80.8	85.1	88.3	91.6
-67.5°	45.8	49.6	52.8	55.3	57.4	58.9	61.2	65.0	69.7	74.7	77.6
-70°	37.1	41.2	44.1	46.4	47.8	48.0	48.8	50.2	53.4	59.4	64.2
-72.5°	28.5	32.9	35.9	37.6	38.1	37.5	37.0	36.4	39.7	46.7	52.5
-75°	21.6	24.8	28.3	30.8	30.3	28.2	25.8	24.5	28.4	35.3	41.8
-77.5°	16.0	18.6	21.2	23.9	23.8	21.9	19.6	17.0	19.9	25.6	31.7
-80°	10.9	12.2	14.2	16.2	16.3	15.4	13.9	11.9	14.2	17.9	22.2
-82.5°	7.0	7.8	8.7	9.6	9.5	9.1	8.5	7.6	9.0	10.9	13.2
-85°	3.5	3.4	3.7	4.1	4.2	4.2	4.0	3.7	4.3	5.0	5.8
-87.5°	1.7	1.7	1.6	1.6	1.4	1.3	1.2	1.0	1.0	1.1	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



REPORT NUMBER: P561389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-MWR-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°	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4
85°	6.6	6.4	5.9	5.4	4.8	4.9	5.0	5.1	5.2	5.0	4.7
82.5°	15.7	15.9	15.8	15.6	15.4	16.3	17.2	18.1	18.9	17.0	14.7
80°	26.8	28.6	30.0	31.7	33.6	34.7	35.4	35.8	35.9	31.5	26.3
77.5°	38.1	41.6	43.9	46.0	47.9	48.6	49.0	49.3	49.7	43.4	35.7
75°	47.9	51.5	53.6	55.5	57.2	58.3	59.1	59.9	60.6	53.5	44.3
72.5°	57.3	60.4	62.5	64.5	66.3	67.9	69.1	70.2	71.2	65.5	57.5
70°	67.4	69.4	71.8	74.3	76.4	77.9	79.3	80.6	81.7	80.4	78.5
67.5°	80.0	82.5	85.3	86.9	88.8	91.1	93.4	94.6	94.8	95.1	96.0
65°	95.4	100.3	104.2	107.5	110.1	112.2	114.5	117.1	119.9	122.2	123.2
62.5°	113.8	119.1	122.3	125.6	129.5	133.1	136.6	140.0	143.2	146.2	149.2
60°	128.8	133.0	136.9	141.1	145.3	149.2	153.5	157.7	161.6	165.4	169.1
57.5°	144.0	147.7	150.9	156.3	161.1	165.3	169.9	174.6	178.9	182.8	186.9
55°	160.1	163.8	166.8	173.9	179.6	183.0	185.8	190.2	193.9	197.2	201.6
52.5°	176.3	182.7	190.0	196.5	199.1	199.7	199.2	205.0	208.7	210.0	214.1
50°	195.2	203.0	210.2	216.4	217.8	220.2	223.8	226.4	227.5	228.1	232.7
47.5°	211.5	219.6	226.2	232.2	235.5	238.8	243.2	246.4	248.1	249.8	254.4
45°	225.3	232.1	238.4	243.3	248.0	254.0	259.6	264.2	270.2	275.7	281.3
42.5°	235.5	241.6	246.8	254.6	262.6	271.6	282.4	291.7	309.7	332.3	351.3
40°	242.4	249.4	259.1	269.9	285.0	299.4	334.5	368.1	407.7	460.7	501.9
37.5°	250.2	261.3	276.5	293.3	331.5	372.2	445.3	527.5	599.5	709.5	806.3
35°	260.6	279.0	302.2	353.3	421.1	525.1	644.2	802.3	945.3	1088.6	1215.1
32.5°	277.7	307.2	364.7	461.2	578.9	767.7	953.8	1155.4	1338.5	1496.1	1624.9
30°	301.0	364.5	475.6	617.9	840.2	1071.7	1311.5	1525.0	1713.0	1871.7	1985.5
27.5°	353.5	463.0	621.2	868.8	1128.7	1399.9	1642.6	1861.6	2029.2	2178.5	2283.9
25°	424.5	581.9	849.8	1138.3	1429.7	1691.8	1931.3	2133.6	2287.5	2440.3	2550.2
22.5°	525.9	771.7	1081.7	1409.3	1697.5	1953.1	2182.1	2361.1	2529.4	2687.7	2822.6
20°	640.4	958.1	1315.3	1640.1	1928.1	2181.0	2375.8	2592.3	2771.4	2961.7	3118.0
17.5°	798.4	1155.0	1518.4	1843.6	2125.3	2359.9	2590.5	2806.4	3028.7	3238.9	3436.3
15°	938.5	1332.5	1691.4	2007.3	2280.8	2531.2	2784.7	3019.0	3281.8	3534.6	3775.2
12.5°	1075.1	1479.1	1837.5	2149.0	2411.9	2682.5	2959.6	3248.3	3544.9	3841.9	4141.6
10°	1193.5	1595.4	1946.0	2255.9	2534.7	2820.4	3120.7	3452.5	3800.7	4147.7	4490.4
7.5°	1287.1	1689.3	2036.2	2345.4	2635.4	2933.3	3266.6	3628.8	4024.1	4442.0	4854.0
5°	1355.0	1759.2	2110.3	2405.2	2708.3	3021.2	3381.9	3783.4	4208.8	4668.7	5123.3
2.5°	1395.6	1801.7	2160.0	2443.5	2750.5	3092.8	3463.4	3878.8	4341.0	4828.5	5289.9
0°	1407.5	1812.4	2173.5	2443.7	2772.7	3125.5	3501.7	3931.9	4397.7	4909.2	5390.7
-2.5°	1395.6	1801.7	2160.0	2443.5	2750.5	3092.8	3463.4	3878.8	4341.0	4828.5	5289.9
-5°	1355.0	1759.2	2110.3	2405.2	2708.3	3021.2	3381.9	3783.4	4208.8	4668.7	5123.3
-7.5°	1287.1	1689.3	2036.2	2345.4	2635.4	2933.3	3266.6	3628.8	4024.1	4442.0	4854.0
-10°	1193.5	1595.4	1946.0	2255.9	2534.7	2820.4	3120.7	3452.5	3800.7	4147.7	4490.4
-12.5°	1075.1	1479.1	1837.5	2149.0	2411.9	2682.5	2959.6	3248.3	3544.9	3841.9	4141.6
-15°	938.5	1332.5	1691.4	2007.3	2280.8	2531.2	2784.7	3019.0	3281.8	3534.6	3775.2
-17.5°	798.4	1155.0	1518.4	1843.6	2125.3	2359.9	2590.5	2806.4	3028.7	3238.9	3436.3
-20°	640.4	958.1	1315.3	1640.1	1928.1	2181.0	2375.8	2592.3	2771.4	2961.7	3118.0



REPORT NUMBER: P561389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-MWR-BK

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	525.9	771.7	1081.7	1409.3	1697.5	1953.1	2182.1	2361.1	2529.4	2687.7	2822.6
-25°	424.5	581.9	849.8	1138.3	1429.7	1691.8	1931.3	2133.6	2287.5	2440.3	2550.2
-27.5°	353.5	463.0	621.2	868.8	1128.7	1399.9	1642.6	1861.6	2029.2	2178.5	2283.9
-30°	301.0	364.5	475.6	617.9	840.2	1071.7	1311.5	1525.0	1713.0	1871.7	1985.5
-32.5°	277.7	307.2	364.7	461.2	578.9	767.7	953.8	1155.4	1338.5	1496.1	1624.9
-35°	260.6	279.0	302.2	353.3	421.1	525.1	644.2	802.3	945.3	1088.6	1215.1
-37.5°	250.2	261.3	276.5	293.3	331.5	372.2	445.3	527.5	599.5	709.5	806.3
-40°	242.4	249.4	259.1	269.9	285.0	299.4	334.5	368.1	407.7	460.7	501.9
-42.5°	235.5	241.6	246.8	254.6	262.6	271.6	282.4	291.7	309.7	332.3	351.3
-45°	225.3	232.1	238.4	243.3	248.0	254.0	259.6	264.2	270.2	275.7	281.3
-47.5°	211.5	219.6	226.2	232.2	235.5	238.8	243.2	246.4	248.1	249.8	254.4
-50°	195.2	203.0	210.2	216.4	217.8	220.2	223.8	226.4	227.5	228.1	232.7
-52.5°	176.3	182.7	190.0	196.5	199.1	199.7	199.2	205.0	208.7	210.0	214.1
-55°	160.1	163.8	166.8	173.9	179.6	183.0	185.8	190.2	193.9	197.2	201.6
-57.5°	144.0	147.7	150.9	156.3	161.1	165.3	169.9	174.6	178.9	182.8	186.9
-60°	128.8	133.0	136.9	141.1	145.3	149.2	153.5	157.7	161.6	165.4	169.1
-62.5°	113.8	119.1	122.3	125.6	129.5	133.1	136.6	140.0	143.2	146.2	149.2
-65°	95.4	100.3	104.2	107.5	110.1	112.2	114.5	117.1	119.9	122.2	123.2
-67.5°	80.0	82.5	85.3	86.9	88.8	91.1	93.4	94.6	94.8	95.1	96.0
-70°	67.4	69.4	71.8	74.3	76.4	77.9	79.3	80.6	81.7	80.4	78.5
-72.5°	57.3	60.4	62.5	64.5	66.3	67.9	69.1	70.2	71.2	65.5	57.5
-75°	47.9	51.5	53.6	55.5	57.2	58.3	59.1	59.9	60.6	53.5	44.3
-77.5°	38.1	41.6	43.9	46.0	47.9	48.6	49.0	49.3	49.7	43.4	35.7
-80°	26.8	28.6	30.0	31.7	33.6	34.7	35.4	35.8	35.9	31.5	26.3
-82.5°	15.7	15.9	15.8	15.6	15.4	16.3	17.2	18.1	18.9	17.0	14.7
-85°	6.6	6.4	5.9	5.4	4.8	4.9	5.0	5.1	5.2	5.0	4.7
-87.5°	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4
-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: P561389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-MWR-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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3
85°	4.4	4.1	4.1	4.1	4.1	4.1	4.4	4.7	5.0	5.2	5.1
82.5°	12.2	9.6	10.2	10.9	10.2	9.6	12.2	14.7	17.0	18.9	18.1
80°	20.8	15.1	15.0	15.0	15.0	15.1	20.8	26.3	31.5	35.9	35.8
77.5°	27.7	19.5	19.8	20.5	19.8	19.5	27.7	35.7	43.4	49.7	49.3
75°	34.8	25.1	25.9	27.4	25.9	25.1	34.8	44.3	53.5	60.6	59.9
72.5°	49.5	41.3	37.0	32.8	37.0	41.3	49.5	57.5	65.5	71.2	70.2
70°	77.0	75.8	71.8	67.0	71.8	75.8	77.0	78.5	80.4	81.7	80.6
67.5°	96.9	97.7	98.9	99.9	98.9	97.7	96.9	96.0	95.1	94.8	94.6
65°	123.3	122.5	123.5	124.5	123.5	122.5	123.3	123.2	122.2	119.9	117.1
62.5°	152.4	155.4	158.1	160.0	158.1	155.4	152.4	149.2	146.2	143.2	140.0
60°	172.3	175.1	177.4	179.2	177.4	175.1	172.3	169.1	165.4	161.6	157.7
57.5°	190.6	193.9	197.6	201.1	197.6	193.9	190.6	186.9	182.8	178.9	174.6
55°	205.9	210.0	214.9	220.2	214.9	210.0	205.9	201.6	197.2	193.9	190.2
52.5°	218.9	223.4	228.5	233.9	228.5	223.4	218.9	214.1	210.0	208.7	205.0
50°	239.4	245.4	250.0	253.1	250.0	245.4	239.4	232.7	228.1	227.5	226.4
47.5°	261.7	268.2	276.1	285.9	276.1	268.2	261.7	254.4	249.8	248.1	246.4
45°	288.3	293.4	299.1	306.4	299.1	293.4	288.3	281.3	275.7	270.2	264.2
42.5°	368.9	382.2	390.4	392.6	390.4	382.2	368.9	351.3	332.3	309.7	291.7
40°	538.8	566.9	585.3	593.7	585.3	566.9	538.8	501.9	460.7	407.7	368.1
37.5°	885.6	941.8	974.7	984.9	974.7	941.8	885.6	806.3	709.5	599.5	527.5
35°	1314.7	1386.0	1427.8	1425.3	1427.8	1386.0	1314.7	1215.1	1088.6	945.3	802.3
32.5°	1725.5	1795.0	1837.1	1856.2	1837.1	1795.0	1725.5	1624.9	1496.1	1338.5	1155.4
30°	2076.9	2135.4	2168.0	2194.0	2168.0	2135.4	2076.9	1985.5	1871.7	1713.0	1525.0
27.5°	2373.3	2429.3	2458.9	2470.4	2458.9	2429.3	2373.3	2283.9	2178.5	2029.2	1861.6
25°	2651.4	2714.9	2744.9	2763.1	2744.9	2714.9	2651.4	2550.2	2440.3	2287.5	2133.6
22.5°	2934.8	3009.3	3072.4	3080.4	3072.4	3009.3	2934.8	2822.6	2687.7	2529.4	2361.1
20°	3264.0	3370.4	3423.4	3459.3	3423.4	3370.4	3264.0	3118.0	2961.7	2771.4	2592.3
17.5°	3614.3	3755.8	3837.7	3870.4	3837.7	3755.8	3614.3	3436.3	3238.9	3028.7	2806.4
15°	4002.9	4185.5	4300.7	4337.5	4300.7	4185.5	4002.9	3775.2	3534.6	3281.8	3019.0
12.5°	4416.1	4640.8	4786.0	4823.8	4786.0	4640.8	4416.1	4141.6	3841.9	3544.9	3248.3
10°	4819.3	5071.1	5251.2	5318.2	5251.2	5071.1	4819.3	4490.4	4147.7	3800.7	3452.5
7.5°	5186.1	5506.3	5660.1	5731.4	5660.1	5506.3	5186.1	4854.0	4442.0	4024.1	3628.8
5°	5492.7	5755.7	5872.7	5877.7	5872.7	5755.7	5492.7	5123.3	4668.7	4208.8	3783.4
2.5°	5659.1	5875.3	5926.5	5898.3	5926.5	5875.3	5659.1	5289.9	4828.5	4341.0	3878.8
0°	5728.6	5926.9	5957.0	5898.2	5957.0	5926.9	5728.6	5390.7	4909.2	4397.7	3931.9
-2.5°	5659.1	5875.3	5926.5	5898.2	5926.5	5875.3	5659.1	5289.9	4828.5	4341.0	3878.8
-5°	5492.7	5755.7	5872.7	5877.7	5872.7	5755.7	5492.7	5123.3	4668.7	4208.8	3783.4
-7.5°	5186.1	5506.3	5660.1	5731.3	5660.1	5506.3	5186.1	4854.0	4442.0	4024.1	3628.8
-10°	4819.3	5071.1	5251.2	5318.2	5251.2	5071.1	4819.3	4490.4	4147.7	3800.7	3452.5
-12.5°	4416.1	4640.8	4786.0	4823.8	4786.0	4640.8	4416.1	4141.6	3841.9	3544.9	3248.3
-15°	4002.9	4185.5	4300.7	4337.5	4300.7	4185.5	4002.9	3775.2	3534.6	3281.8	3019.0
-17.5°	3614.3	3755.8	3837.7	3870.4	3837.7	3755.8	3614.3	3436.3	3238.9	3028.7	2806.4
-20°	3264.0	3370.4	3423.4	3459.3	3423.4	3370.4	3264.0	3118.0	2961.7	2771.4	2592.3



REPORT NUMBER: P561389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-MWR-BK

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2934.8	3009.3	3072.4	3080.4	3072.4	3009.3	2934.8	2822.6	2687.7	2529.4	2361.1
-25°	2651.4	2714.9	2744.9	2763.1	2744.9	2714.9	2651.4	2550.2	2440.3	2287.5	2133.6
-27.5°	2373.3	2429.3	2458.9	2470.3	2458.9	2429.3	2373.3	2283.9	2178.5	2029.2	1861.6
-30°	2076.9	2135.4	2168.0	2194.0	2168.0	2135.4	2076.9	1985.5	1871.7	1713.0	1525.0
-32.5°	1725.5	1795.0	1837.1	1856.2	1837.1	1795.0	1725.5	1624.9	1496.1	1338.5	1155.4
-35°	1314.7	1386.0	1427.8	1425.3	1427.8	1386.0	1314.7	1215.1	1088.6	945.3	802.3
-37.5°	885.6	941.8	974.7	984.9	974.7	941.8	885.6	806.3	709.5	599.5	527.5
-40°	538.8	566.9	585.3	593.7	585.3	566.9	538.8	501.9	460.7	407.7	368.1
-42.5°	368.9	382.2	390.4	392.6	390.4	382.2	368.9	351.3	332.3	309.7	291.7
-45°	288.3	293.4	299.1	306.4	299.1	293.4	288.3	281.3	275.7	270.2	264.2
-47.5°	261.7	268.2	276.1	285.9	276.1	268.2	261.7	254.4	249.8	248.1	246.4
-50°	239.4	245.4	250.0	253.1	250.0	245.4	239.4	232.7	228.1	227.5	226.4
-52.5°	218.9	223.4	228.5	233.9	228.5	223.4	218.9	214.1	210.0	208.7	205.0
-55°	205.9	210.0	214.9	220.2	214.9	210.0	205.9	201.6	197.2	193.9	190.2
-57.5°	190.6	193.9	197.6	201.1	197.6	193.9	190.6	186.9	182.8	178.9	174.6
-60°	172.3	175.1	177.4	179.2	177.4	175.1	172.3	169.1	165.4	161.6	157.7
-62.5°	152.4	155.4	158.1	160.0	158.1	155.4	152.4	149.2	146.2	143.2	140.0
-65°	123.3	122.5	123.5	124.5	123.5	122.5	123.3	123.2	122.2	119.9	117.1
-67.5°	96.9	97.7	98.9	99.9	98.9	97.7	96.9	96.0	95.1	94.8	94.6
-70°	77.0	75.8	71.8	67.0	71.8	75.8	77.0	78.5	80.4	81.7	80.6
-72.5°	49.5	41.3	37.0	32.8	37.0	41.3	49.5	57.5	65.5	71.2	70.2
-75°	34.8	25.1	25.9	27.4	25.9	25.1	34.8	44.3	53.5	60.6	59.9
-77.5°	27.7	19.5	19.8	20.5	19.8	19.5	27.7	35.7	43.4	49.7	49.3
-80°	20.8	15.1	15.0	15.0	15.0	15.1	20.8	26.3	31.5	35.9	35.8
-82.5°	12.2	9.6	10.2	10.9	10.2	9.6	12.2	14.7	17.0	18.9	18.1
-85°	4.4	4.1	4.1	4.1	4.1	4.1	4.4	4.7	5.0	5.2	5.1
-87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	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



REPORT NUMBER: P561389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-MWR-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°	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0
85°	5.0	4.9	4.8	5.4	5.9	6.4	6.6	5.8	5.0	4.3	3.7
82.5°	17.2	16.3	15.4	15.6	15.8	15.9	15.7	13.2	10.9	9.0	7.6
80°	35.4	34.7	33.6	31.7	30.0	28.6	26.8	22.2	17.9	14.2	11.9
77.5°	49.0	48.6	47.9	46.0	43.9	41.6	38.1	31.7	25.6	19.9	17.0
75°	59.1	58.3	57.2	55.5	53.6	51.5	47.9	41.8	35.3	28.4	24.5
72.5°	69.1	67.9	66.3	64.5	62.5	60.4	57.3	52.5	46.7	39.7	36.4
70°	79.3	77.9	76.4	74.3	71.8	69.4	67.4	64.2	59.4	53.4	50.2
67.5°	93.4	91.1	88.8	86.9	85.3	82.5	80.0	77.6	74.7	69.7	65.0
65°	114.5	112.2	110.1	107.5	104.2	100.3	95.4	91.6	88.3	85.1	80.8
62.5°	136.6	133.1	129.5	125.6	122.3	119.1	113.8	107.6	102.0	97.1	92.9
60°	153.5	149.2	145.3	141.1	136.9	133.0	128.8	123.3	116.5	111.0	105.6
57.5°	169.9	165.3	161.1	156.3	150.9	147.7	144.0	138.7	132.1	125.7	119.5
55°	185.8	183.0	179.6	173.9	166.8	163.8	160.1	155.3	148.4	140.5	133.3
52.5°	199.2	199.7	199.1	196.5	190.0	182.7	176.3	171.5	164.1	155.0	146.6
50°	223.8	220.2	217.8	216.4	210.2	203.0	195.2	187.7	178.2	168.6	158.9
47.5°	243.2	238.8	235.5	232.2	226.2	219.6	211.5	203.0	192.4	181.7	171.1
45°	259.6	254.0	248.0	243.3	238.4	232.1	225.3	215.8	205.9	194.8	183.3
42.5°	282.4	271.6	262.6	254.6	246.8	241.6	235.5	226.6	217.0	206.7	194.5
40°	334.5	299.4	285.0	269.9	259.1	249.4	242.4	235.5	226.1	216.2	204.6
37.5°	445.3	372.2	331.5	293.3	276.5	261.3	250.2	241.6	233.9	224.1	213.1
35°	644.2	525.1	421.1	353.3	302.2	279.0	260.6	248.9	239.6	230.8	220.9
32.5°	953.8	767.7	578.9	461.2	364.7	307.2	277.7	258.0	245.8	236.4	226.6
30°	1311.5	1071.7	840.2	617.9	475.6	364.5	301.0	272.6	253.9	241.6	231.7
27.5°	1642.6	1399.9	1128.7	868.8	621.2	463.0	353.5	289.4	263.6	248.1	236.5
25°	1931.3	1691.8	1429.7	1138.3	849.8	581.9	424.5	330.7	278.3	254.8	241.7
22.5°	2182.1	1953.1	1697.5	1409.3	1081.7	771.7	525.9	378.0	293.5	264.8	248.0
20°	2375.8	2181.0	1928.1	1640.1	1315.3	958.1	640.4	448.7	333.8	276.9	254.3
17.5°	2590.5	2359.9	2125.3	1843.6	1518.4	1155.0	798.4	524.4	369.7	287.4	260.2
15°	2784.7	2531.2	2280.8	2007.3	1691.4	1332.5	938.5	594.1	409.8	307.8	268.5
12.5°	2959.6	2682.5	2411.9	2149.0	1837.5	1479.1	1075.1	705.9	463.9	333.6	276.6
10°	3120.7	2820.4	2534.7	2255.9	1946.0	1595.4	1193.5	798.1	510.2	355.7	283.3
7.5°	3266.6	2933.3	2635.4	2345.4	2036.2	1689.3	1287.1	869.8	546.6	373.5	288.8
5°	3381.9	3021.2	2708.3	2405.2	2110.3	1759.2	1355.0	920.6	573.0	386.9	293.0
2.5°	3463.4	3092.8	2750.5	2443.5	2160.0	1801.7	1395.6	954.5	590.8	399.2	299.0
0°	3501.7	3125.5	2772.7	2443.7	2173.5	1812.4	1407.5	971.2	599.1	407.6	303.7
-2.5°	3463.4	3092.8	2750.5	2443.5	2160.0	1801.7	1395.6	954.5	590.8	399.2	299.0
-5°	3381.9	3021.2	2708.3	2405.2	2110.3	1759.2	1355.0	920.6	573.0	386.9	293.0
-7.5°	3266.6	2933.3	2635.4	2345.4	2036.2	1689.3	1287.1	869.8	546.6	373.5	288.8
-10°	3120.7	2820.4	2534.7	2255.9	1946.0	1595.4	1193.5	798.1	510.2	355.7	283.3
-12.5°	2959.6	2682.5	2411.9	2149.0	1837.5	1479.1	1075.1	705.9	463.9	333.6	276.6
-15°	2784.7	2531.2	2280.8	2007.3	1691.4	1332.5	938.5	594.1	409.8	307.8	268.5
-17.5°	2590.5	2359.9	2125.3	1843.6	1518.4	1155.0	798.4	524.4	369.7	287.4	260.2
-20°	2375.8	2181.0	1928.1	1640.1	1315.3	958.1	640.4	448.7	333.8	276.9	254.3



REPORT NUMBER: P561389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-MWR-BK

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2182.1	1953.1	1697.5	1409.3	1081.7	771.7	525.9	378.0	293.5	264.8	248.0
-25°	1931.3	1691.8	1429.7	1138.3	849.8	581.9	424.5	330.7	278.3	254.8	241.7
-27.5°	1642.6	1399.9	1128.7	868.8	621.2	463.0	353.5	289.4	263.6	248.1	236.5
-30°	1311.5	1071.7	840.2	617.9	475.6	364.5	301.0	272.6	253.9	241.6	231.7
-32.5°	953.8	767.7	578.9	461.2	364.7	307.2	277.7	258.0	245.8	236.4	226.6
-35°	644.2	525.1	421.1	353.3	302.2	279.0	260.6	248.9	239.6	230.8	220.9
-37.5°	445.3	372.2	331.5	293.3	276.5	261.3	250.2	241.6	233.9	224.1	213.1
-40°	334.5	299.4	285.0	269.9	259.1	249.4	242.4	235.5	226.1	216.2	204.6
-42.5°	282.4	271.6	262.6	254.6	246.8	241.6	235.5	226.6	217.0	206.7	194.5
-45°	259.6	254.0	248.0	243.3	238.4	232.1	225.3	215.8	205.9	194.8	183.3
-47.5°	243.2	238.8	235.5	232.2	226.2	219.6	211.5	203.0	192.4	181.7	171.1
-50°	223.8	220.2	217.8	216.4	210.2	203.0	195.2	187.7	178.2	168.6	158.9
-52.5°	199.2	199.7	199.1	196.5	190.0	182.7	176.3	171.5	164.1	155.0	146.6
-55°	185.8	183.0	179.6	173.9	166.8	163.8	160.1	155.3	148.4	140.5	133.3
-57.5°	169.9	165.3	161.1	156.3	150.9	147.7	144.0	138.7	132.1	125.7	119.5
-60°	153.5	149.2	145.3	141.1	136.9	133.0	128.8	123.3	116.5	111.0	105.6
-62.5°	136.6	133.1	129.5	125.6	122.3	119.1	113.8	107.6	102.0	97.1	92.9
-65°	114.5	112.2	110.1	107.5	104.2	100.3	95.4	91.6	88.3	85.1	80.8
-67.5°	93.4	91.1	88.8	86.9	85.3	82.5	80.0	77.6	74.7	69.7	65.0
-70°	79.3	77.9	76.4	74.3	71.8	69.4	67.4	64.2	59.4	53.4	50.2
-72.5°	69.1	67.9	66.3	64.5	62.5	60.4	57.3	52.5	46.7	39.7	36.4
-75°	59.1	58.3	57.2	55.5	53.6	51.5	47.9	41.8	35.3	28.4	24.5
-77.5°	49.0	48.6	47.9	46.0	43.9	41.6	38.1	31.7	25.6	19.9	17.0
-80°	35.4	34.7	33.6	31.7	30.0	28.6	26.8	22.2	17.9	14.2	11.9
-82.5°	17.2	16.3	15.4	15.6	15.8	15.9	15.7	13.2	10.9	9.0	7.6
-85°	5.0	4.9	4.8	5.4	5.9	6.4	6.6	5.8	5.0	4.3	3.7
-87.5°	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.1	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: P561389 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-AMB-U-MWR-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°	1.2	1.3	1.4	1.6	1.6	1.7	1.7	1.7	1.7	1.6	1.5
85°	4.0	4.2	4.2	4.1	3.7	3.4	3.5	3.5	3.4	3.3	3.1
82.5°	8.5	9.1	9.5	9.6	8.7	7.8	7.0	6.3	5.8	5.0	4.7
80°	13.9	15.4	16.3	16.2	14.2	12.2	10.9	9.8	9.2	8.3	7.2
77.5°	19.6	21.9	23.8	23.9	21.2	18.6	16.0	13.8	12.6	11.6	10.3
75°	25.8	28.2	30.3	30.8	28.3	24.8	21.6	19.1	17.3	15.1	13.4
72.5°	37.0	37.5	38.1	37.6	35.9	32.9	28.5	24.4	22.5	20.0	16.9
70°	48.8	48.0	47.8	46.4	44.1	41.2	37.1	32.2	27.8	25.0	21.5
67.5°	61.2	58.9	57.4	55.3	52.8	49.6	45.8	40.3	34.9	30.0	26.1
65°	75.2	70.4	66.6	63.8	61.0	58.0	53.8	47.9	41.7	35.9	30.7
62.5°	88.0	82.3	76.9	72.3	68.7	65.3	61.6	54.5	48.2	41.6	35.5
60°	99.8	93.8	87.0	81.1	76.2	72.2	67.6	60.9	53.7	47.1	40.2
57.5°	113.0	105.6	97.5	89.8	83.5	78.7	73.1	66.3	59.0	51.8	44.3
55°	126.4	118.3	108.2	99.0	90.9	84.6	78.4	71.3	63.9	56.1	47.2
52.5°	138.7	130.1	119.8	108.6	98.9	90.4	83.3	76.1	68.2	60.2	49.1
50°	150.2	140.5	130.4	119.2	107.0	97.2	88.2	80.6	72.4	64.0	50.6
47.5°	160.2	150.1	139.7	129.0	116.5	103.6	93.7	85.0	76.5	67.6	51.6
45°	170.9	159.0	148.4	137.3	125.6	111.4	99.4	89.3	80.4	68.8	52.3
42.5°	181.4	168.3	156.2	145.1	133.0	119.3	104.7	94.0	84.2	69.5	52.7
40°	191.1	177.6	163.9	152.1	139.9	126.7	111.3	98.5	87.5	69.9	53.0
37.5°	199.9	186.0	172.0	159.0	146.6	132.9	117.7	102.8	88.2	70.3	53.1
35°	207.9	193.5	179.9	166.1	152.9	138.8	123.7	107.4	89.9	70.4	52.8
32.5°	215.8	201.1	187.3	172.9	159.1	144.6	129.1	111.8	92.5	70.3	52.3
30°	221.6	209.1	194.7	179.1	165.0	150.0	133.9	116.0	95.7	70.1	51.6
27.5°	227.1	216.3	201.8	185.4	170.2	155.1	138.4	120.1	99.6	70.6	51.0
25°	232.5	221.7	208.0	191.8	174.9	159.9	142.8	123.9	103.1	73.0	50.3
22.5°	237.0	226.7	213.5	198.0	179.7	164.2	146.9	127.4	106.1	75.6	49.4
20°	240.7	231.5	218.4	203.8	184.8	168.0	150.5	130.7	108.8	78.3	48.2
17.5°	244.3	235.6	222.9	208.2	189.9	171.7	153.6	133.7	111.1	81.0	46.8
15°	250.1	239.2	227.0	212.2	194.3	175.1	156.4	136.4	113.2	83.7	46.1
12.5°	255.4	242.8	230.7	215.8	198.1	178.4	158.7	138.9	115.0	85.5	46.0
10°	259.7	246.4	234.0	219.0	201.4	181.3	160.6	141.2	116.9	86.1	45.6
7.5°	263.1	249.7	236.7	221.7	204.2	183.9	162.8	143.6	118.9	85.9	44.8
5°	266.5	252.8	240.3	225.3	207.3	186.1	164.6	145.4	120.7	84.9	43.8
2.5°	272.3	255.3	244.2	228.5	209.9	187.7	166.0	146.8	122.2	83.1	42.5
0°	277.7	257.2	247.6	231.2	212.0	188.8	166.9	147.7	123.1	80.7	41.0
-2.5°	272.3	255.3	244.2	228.5	209.9	187.7	166.0	146.8	122.2	83.1	42.5
-5°	266.5	252.8	240.3	225.3	207.3	186.1	164.6	145.4	120.7	84.9	43.8
-7.5°	263.1	249.7	236.7	221.7	204.2	183.9	162.8	143.6	118.9	85.9	44.8
-10°	259.7	246.4	234.0	219.0	201.4	181.3	160.6	141.2	116.9	86.1	45.6
-12.5°	255.4	242.8	230.7	215.8	198.1	178.4	158.7	138.9	115.0	85.5	46.0
-15°	250.1	239.2	227.0	212.2	194.3	175.1	156.4	136.4	113.2	83.7	46.1
-17.5°	244.3	235.6	222.9	208.2	189.9	171.7	153.6	133.7	111.1	81.0	46.8
-20°	240.7	231.5	218.4	203.8	184.8	168.0	150.5	130.7	108.8	78.3	48.2



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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°	237.0	226.7	213.5	198.0	179.7	164.2	146.9	127.4	106.1	75.6	49.4
-25°	232.5	221.7	208.0	191.8	174.9	159.9	142.8	123.9	103.1	73.0	50.3
-27.5°	227.1	216.3	201.8	185.4	170.2	155.1	138.4	120.1	99.6	70.6	51.0
-30°	221.6	209.1	194.7	179.1	165.0	150.0	133.9	116.0	95.7	70.1	51.6
-32.5°	215.8	201.1	187.3	172.9	159.1	144.6	129.1	111.8	92.5	70.3	52.3
-35°	207.9	193.5	179.9	166.1	152.9	138.8	123.7	107.4	89.9	70.4	52.8
-37.5°	199.9	186.0	172.0	159.0	146.6	132.9	117.7	102.8	88.2	70.3	53.1
-40°	191.1	177.6	163.9	152.1	139.9	126.7	111.3	98.5	87.5	69.9	53.0
-42.5°	181.4	168.3	156.2	145.1	133.0	119.3	104.7	94.0	84.2	69.5	52.7
-45°	170.9	159.0	148.4	137.3	125.6	111.4	99.4	89.3	80.4	68.8	52.3
-47.5°	160.2	150.1	139.7	129.0	116.5	103.6	93.7	85.0	76.5	67.6	51.6
-50°	150.2	140.5	130.4	119.2	107.0	97.2	88.2	80.6	72.4	64.0	50.6
-52.5°	138.7	130.1	119.8	108.6	98.9	90.4	83.3	76.1	68.2	60.2	49.1
-55°	126.4	118.3	108.2	99.0	90.9	84.6	78.4	71.3	63.9	56.1	47.2
-57.5°	113.0	105.6	97.5	89.8	83.5	78.7	73.1	66.3	59.0	51.8	44.3
-60°	99.8	93.8	87.0	81.1	76.2	72.2	67.6	60.9	53.7	47.1	40.2
-62.5°	88.0	82.3	76.9	72.3	68.7	65.3	61.6	54.5	48.2	41.6	35.5
-65°	75.2	70.4	66.6	63.8	61.0	58.0	53.8	47.9	41.7	35.9	30.7
-67.5°	61.2	58.9	57.4	55.3	52.8	49.6	45.8	40.3	34.9	30.0	26.1
-70°	48.8	48.0	47.8	46.4	44.1	41.2	37.1	32.2	27.8	25.0	21.5
-72.5°	37.0	37.5	38.1	37.6	35.9	32.9	28.5	24.4	22.5	20.0	16.9
-75°	25.8	28.2	30.3	30.8	28.3	24.8	21.6	19.1	17.3	15.1	13.4
-77.5°	19.6	21.9	23.8	23.9	21.2	18.6	16.0	13.8	12.6	11.6	10.3
-80°	13.9	15.4	16.3	16.2	14.2	12.2	10.9	9.8	9.2	8.3	7.2
-82.5°	8.5	9.1	9.5	9.6	8.7	7.8	7.0	6.3	5.8	5.0	4.7
-85°	4.0	4.2	4.2	4.1	3.7	3.4	3.5	3.5	3.4	3.3	3.1
-87.5°	1.2	1.3	1.4	1.6	1.6	1.7	1.7	1.7	1.7	1.6	1.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	1.1	0.8	0.6	0.4	0.1	0.0
85°	2.8	2.2	1.7	1.2	0.7	0.3	0.0
82.5°	4.2	3.3	2.5	1.7	1.1	0.4	0.0
80°	5.8	4.4	3.3	2.3	1.4	0.6	0.0
77.5°	8.5	5.8	4.1	2.9	1.8	0.7	0.0
75°	11.1	7.7	5.0	3.4	2.1	0.9	0.0
72.5°	13.7	9.6	6.3	4.0	2.4	1.0	0.0
70°	16.3	11.4	7.6	4.5	2.7	1.1	0.0
67.5°	19.9	13.2	8.8	5.3	3.1	1.3	0.0
65°	23.2	15.2	9.9	6.1	3.4	1.4	0.0
62.5°	26.4	17.5	11.0	6.8	3.6	1.5	0.0
60°	29.3	19.6	12.0	7.4	3.9	1.7	0.0
57.5°	31.7	21.6	13.4	8.1	4.3	1.8	0.0
55°	33.8	23.3	14.6	8.7	4.7	1.9	0.0
52.5°	35.6	24.8	15.7	9.2	5.1	2.0	0.0
50°	37.0	25.8	16.7	9.7	5.4	2.1	0.0
47.5°	38.0	26.6	17.6	10.1	5.8	2.2	0.0
45°	38.5	27.0	18.3	10.7	6.1	2.3	0.0
42.5°	38.6	27.3	18.8	11.1	6.5	2.3	0.0
40°	38.5	27.2	19.1	11.6	6.8	2.4	0.0
37.5°	38.1	27.0	19.0	12.3	7.1	2.5	0.0
35°	37.3	26.5	18.7	12.9	7.4	2.5	0.0
32.5°	36.5	25.8	18.3	13.5	7.7	2.6	0.0
30°	35.8	24.9	17.8	14.1	7.9	2.6	0.0
27.5°	35.0	23.8	18.0	14.6	8.2	2.7	0.0
25°	33.9	22.6	18.3	15.2	8.4	2.7	0.0
22.5°	32.6	21.7	18.5	15.8	8.6	2.7	0.0
20°	31.1	22.0	18.7	16.3	8.8	2.8	0.0
17.5°	31.1	22.3	18.9	16.8	9.0	2.8	0.0
15°	31.9	22.6	19.0	17.2	9.2	2.8	0.0
12.5°	32.6	22.8	19.1	17.7	9.3	2.8	0.0
10°	33.2	23.0	19.1	18.1	9.4	2.8	0.0
7.5°	33.6	23.1	19.2	18.4	9.5	2.8	0.0
5°	33.9	23.2	19.2	18.7	9.5	2.8	0.0
2.5°	34.1	23.3	19.2	19.0	9.6	2.7	0.0
0°	34.2	23.3	19.2	19.2	9.6	2.7	0.0
-2.5°	34.1	23.3	19.2	19.0	9.6	2.7	0.0
-5°	33.9	23.2	19.2	18.7	9.5	2.8	0.0
-7.5°	33.6	23.1	19.2	18.4	9.5	2.8	0.0
-10°	33.2	23.0	19.1	18.1	9.4	2.8	0.0
-12.5°	32.6	22.8	19.1	17.7	9.3	2.8	0.0
-15°	31.9	22.6	19.0	17.2	9.2	2.8	0.0
-17.5°	31.1	22.3	18.9	16.8	9.0	2.8	0.0
-20°	31.1	22.0	18.7	16.3	8.8	2.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	32.6	21.7	18.5	15.8	8.6	2.7	0.0
-25°	33.9	22.6	18.3	15.2	8.4	2.7	0.0
-27.5°	35.0	23.8	18.0	14.6	8.2	2.7	0.0
-30°	35.8	24.9	17.8	14.1	7.9	2.6	0.0
-32.5°	36.5	25.8	18.3	13.5	7.7	2.6	0.0
-35°	37.3	26.5	18.7	12.9	7.4	2.5	0.0
-37.5°	38.1	27.0	19.0	12.3	7.1	2.5	0.0
-40°	38.5	27.2	19.1	11.6	6.8	2.4	0.0
-42.5°	38.6	27.3	18.8	11.1	6.5	2.3	0.0
-45°	38.5	27.0	18.3	10.7	6.1	2.3	0.0
-47.5°	38.0	26.6	17.6	10.1	5.8	2.2	0.0
-50°	37.0	25.8	16.7	9.7	5.4	2.1	0.0
-52.5°	35.6	24.8	15.7	9.2	5.1	2.0	0.0
-55°	33.8	23.3	14.6	8.7	4.7	1.9	0.0
-57.5°	31.7	21.6	13.4	8.1	4.3	1.8	0.0
-60°	29.3	19.6	12.0	7.4	3.9	1.7	0.0
-62.5°	26.4	17.5	11.0	6.8	3.6	1.5	0.0
-65°	23.2	15.2	9.9	6.1	3.4	1.4	0.0
-67.5°	19.9	13.2	8.8	5.3	3.1	1.3	0.0
-70°	16.3	11.4	7.6	4.5	2.7	1.1	0.0
-72.5°	13.7	9.6	6.3	4.0	2.4	1.0	0.0
-75°	11.1	7.7	5.0	3.4	2.1	0.9	0.0
-77.5°	8.5	5.8	4.1	2.9	1.8	0.7	0.0
-80°	5.8	4.4	3.3	2.3	1.4	0.6	0.0
-82.5°	4.2	3.3	2.5	1.7	1.1	0.4	0.0
-85°	2.8	2.2	1.7	1.2	0.7	0.3	0.0
-87.5°	1.4	1.1	0.8	0.6	0.4	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)