

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: P561397 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5B-AMB-U-MWR-BK**

Issue Date: 7/30/2021

Test Information

Test Method: LM-79-08
Report Number: P561397 (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-SA5B-AMB-U-MWR-BK
Description: GALLEON FLOOD, ONE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5
Light Source: (80) 1549K CCT, -21.5 CRI LEDS
Ballast/Driver: -

Summary

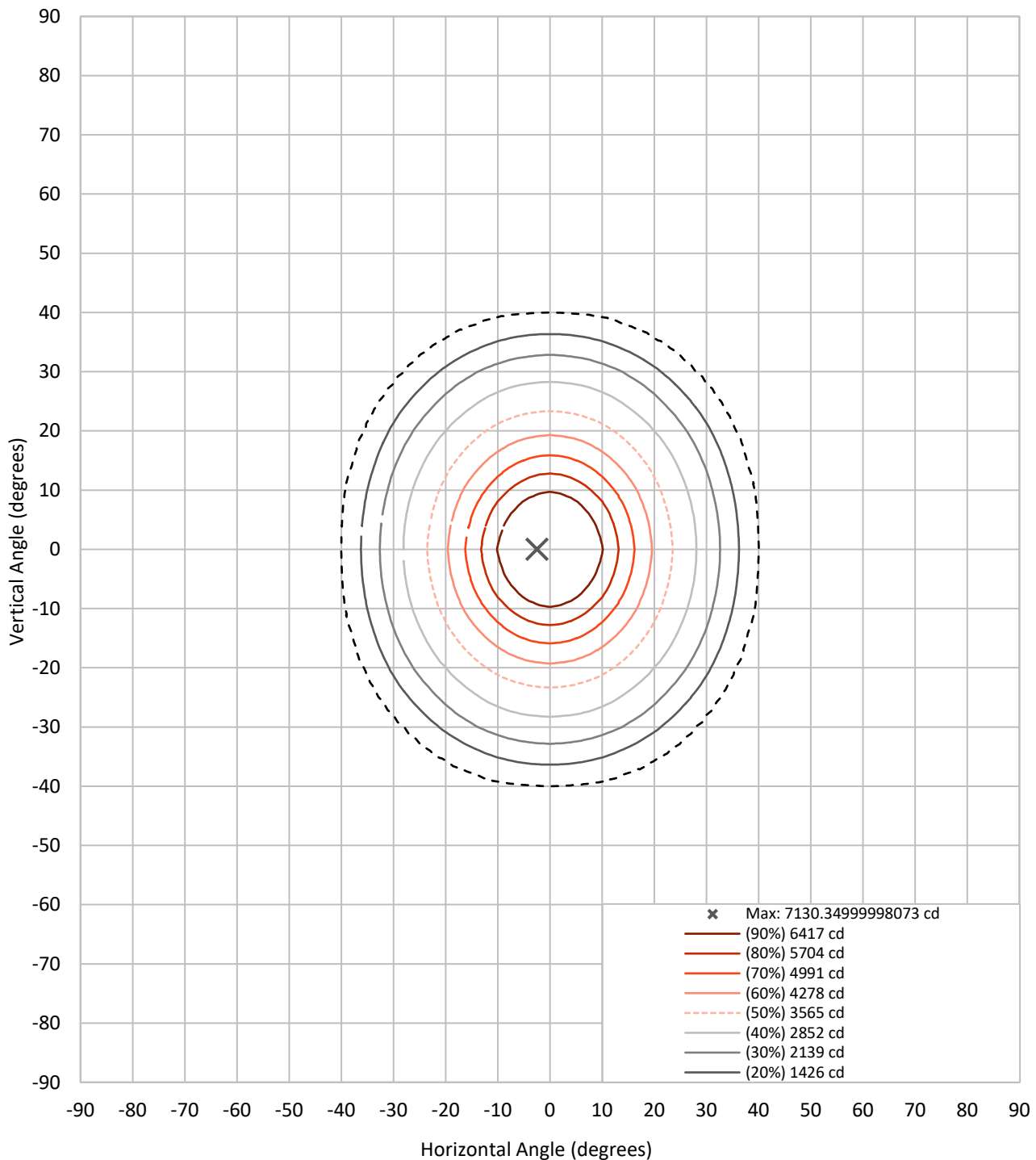
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	5433.7 lumens	Max Intensity:	7130.3 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	54.6 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	47.1°H x 46.4°V	Field Angle (10%):	80.1°H x 79.9°V
Beam Lumens:	2613.4 lumens	Field Lumens:	4653.9 lumens
Beam Efficiency:	48.1%	Field Efficiency:	85.6%

Input Watts (W): 99.6
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: P561397 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-AMB-U-MWR-BK

Iso-Candela Plot





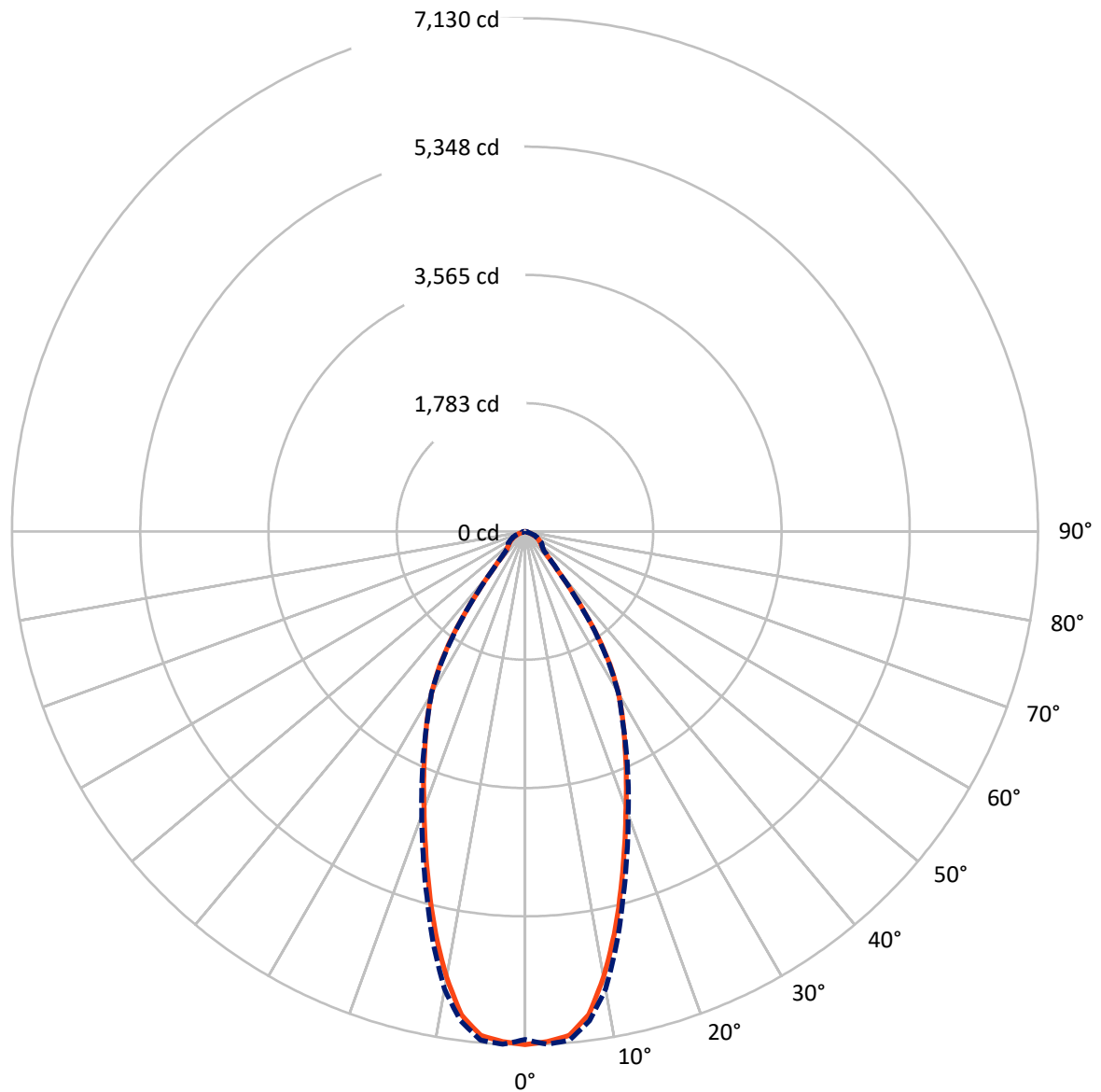
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Lumen Table

90	0.1	1.1		2.5		4.5		3.1		4.5		2.5		1.1		0.1			
80	0.1	1.1		2.5		4.5		3.1		4.5		2.5		1.1		0.1			
70	0.6	0.7	1.3	2.0	2.9	3.6	4.2	4.5	4.5	4.2	3.6	2.9	2.0	1.3	0.7	0.6			
60		1.1	2.1	3.4	4.8	5.9	6.8	7.6	7.6	6.8	5.9	4.8	3.4	2.1	1.1				
50	0.9	1.4	2.9	4.7	6.6	8.3	10.1	12.2	12.2	10.1	8.3	6.6	4.7	2.9	1.4	0.9			
40		1.7	3.5	5.6	8.1	16.3	34.6	49.0	49.0	34.6	16.3	8.1	5.6	3.5	1.7				
30	0.9	1.9	4.0	6.3	14.9	46.4	79.5	98.1	98.1	79.5	46.4	14.9	6.3	4.0	1.9	0.9			
20		2.1	4.4	7.5	29.4	74.4	115.6	150.6	150.6	115.6	74.4	29.4	7.5	4.4	2.1				
10	0.9	2.2	4.7	8.8	40.0	89.4	147.4	201.8	201.8	147.4	89.4	40.0	8.8	4.7	2.2	0.9			
0		2.2	4.7	8.8	40.0	89.4	147.4	201.8	201.8	147.4	89.4	40.0	8.8	4.7	2.2				
-10	0.9	2.1	4.4	7.5	29.4	74.4	115.6	150.6	150.6	115.6	74.4	29.4	7.5	4.4	2.1	0.9			
-20		1.9	4.0	6.3	14.9	46.4	79.5	98.1	98.1	79.5	46.4	14.9	6.3	4.0	1.9				
-30	0.9	1.7	3.5	5.6	8.1	16.3	34.6	49.0	49.0	34.6	16.3	8.1	5.6	3.5	1.7	0.9			
-40		1.4	2.9	4.7	6.6	8.3	10.1	12.2	12.2	10.1	8.3	6.6	4.7	2.9	1.4				
-50	0.6	1.1	2.1	3.4	4.8	5.9	6.8	7.6	7.6	6.8	5.9	4.8	3.4	2.1	1.1	0.6			
-60		0.7	1.3	2.0	2.9	3.6	4.2	4.5	4.5	4.2	3.6	2.9	2.0	1.3	0.7				
-70	0.1	1.1		2.5		4.5		3.1		4.5		2.5		1.1		0.1			
-80		1.1		2.5		4.5		3.1		4.5		2.5		1.1					
-90	0.1	1.1		2.5		4.5		3.1		4.5		2.5		1.1		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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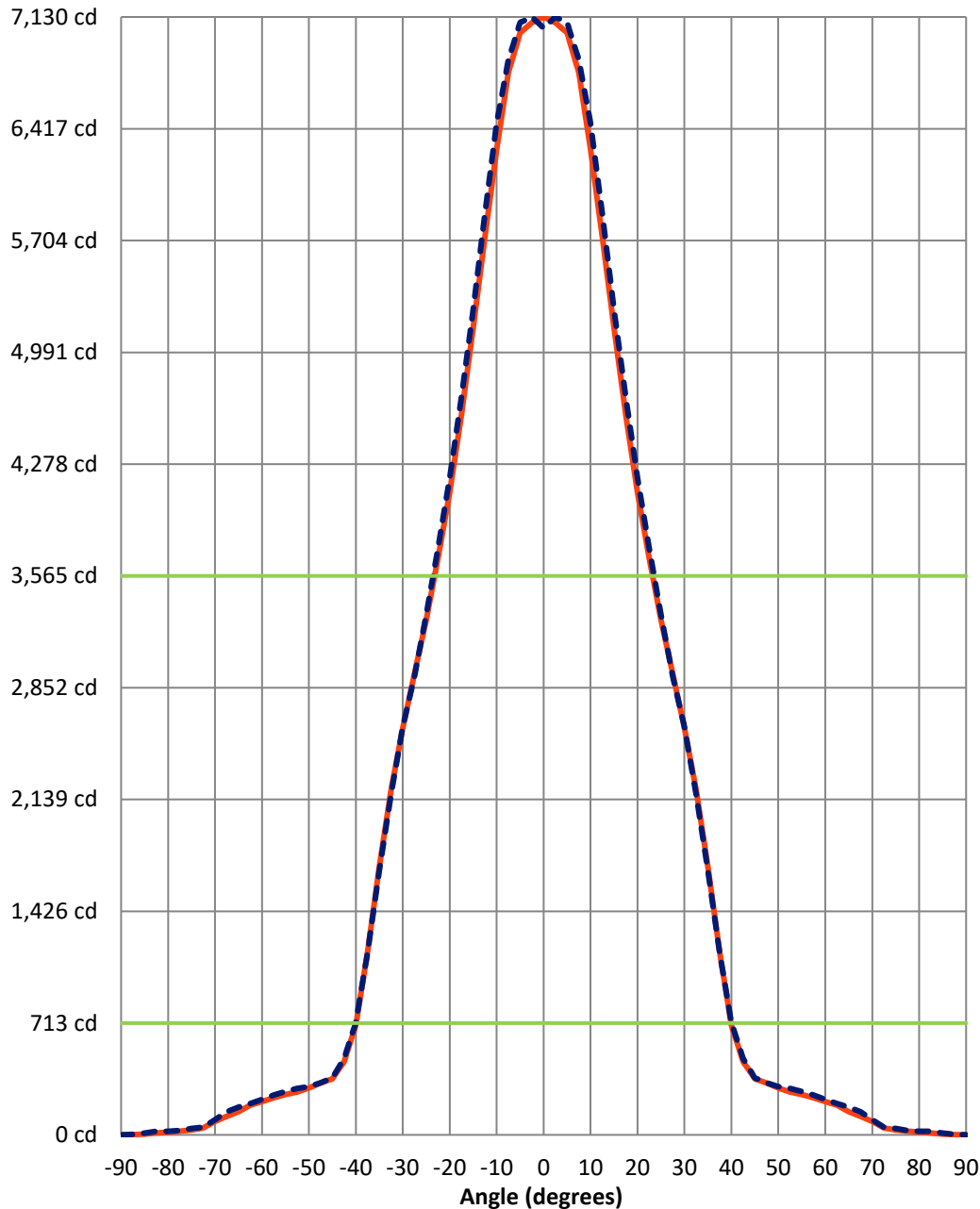
Luminous Intensity Polar Plot



— 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: 2613.4
 Efficiency: 48.1%

Field:
 H Angle: 80.1°
 V Angle: 79.9°
 Lumens: 4653.9
 Efficiency: 85.6%

Spill:
 Lumens: 779.8
 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	0.2	0.4	0.7	1.0	1.3	1.7	1.8	1.9	2.0	2.1
85°	0.0	0.4	0.9	1.4	2.0	2.6	3.4	3.7	3.9	4.1	4.1
82.5°	0.0	0.5	1.3	2.1	3.0	3.9	5.0	5.5	6.0	6.9	7.5
80°	0.0	0.7	1.7	2.7	3.9	5.2	6.9	8.6	9.9	11.0	11.7
77.5°	0.0	0.9	2.1	3.4	4.9	6.9	10.1	12.3	13.9	15.1	16.5
75°	0.0	1.1	2.5	4.1	5.9	9.2	13.3	16.0	18.0	20.7	22.8
72.5°	0.0	1.2	2.9	4.7	7.5	11.5	16.3	20.2	24.0	27.0	29.3
70°	0.0	1.4	3.3	5.4	9.0	13.7	19.5	25.7	29.9	33.3	38.5
67.5°	0.0	1.5	3.7	6.4	10.5	15.7	23.8	31.3	36.0	41.8	48.3
65°	0.0	1.7	4.0	7.2	11.9	18.2	27.8	36.8	43.0	50.0	57.4
62.5°	0.0	1.9	4.4	8.1	13.2	20.9	31.6	42.5	49.8	57.7	65.3
60°	0.0	2.0	4.7	8.9	14.4	23.5	35.0	48.1	56.4	64.3	72.9
57.5°	0.0	2.1	5.2	9.7	16.0	25.8	38.0	53.1	62.0	70.6	79.4
55°	0.0	2.3	5.6	10.4	17.5	27.9	40.5	56.5	67.1	76.5	85.3
52.5°	0.0	2.4	6.1	11.0	18.8	29.7	42.6	58.8	72.0	81.7	91.1
50°	0.0	2.5	6.5	11.6	20.0	30.9	44.3	60.5	76.6	86.7	96.5
47.5°	0.0	2.6	6.9	12.1	21.0	31.8	45.5	61.8	80.9	91.6	101.7
45°	0.0	2.7	7.4	12.8	21.9	32.3	46.0	62.5	82.3	96.2	106.8
42.5°	0.0	2.8	7.8	13.3	22.5	32.6	46.2	63.1	83.2	100.7	112.5
40°	0.0	2.9	8.1	13.9	22.8	32.6	46.0	63.5	83.7	104.7	118.0
37.5°	0.0	3.0	8.5	14.7	22.7	32.2	45.5	63.5	84.1	105.5	123.1
35°	0.0	3.1	8.9	15.4	22.4	31.6	44.6	63.2	84.3	107.7	128.6
32.5°	0.0	3.1	9.2	16.1	21.9	30.8	43.6	62.5	84.2	110.7	133.8
30°	0.0	3.2	9.5	16.8	21.2	29.7	42.8	61.7	83.9	114.6	138.9
27.5°	0.0	3.3	9.8	17.5	21.5	28.5	41.8	61.1	84.6	119.2	143.7
25°	0.0	3.3	10.1	18.2	21.8	27.0	40.5	60.2	87.4	123.4	148.3
22.5°	0.0	3.3	10.3	18.8	22.1	25.9	39.0	59.1	90.5	127.0	152.5
20°	0.0	3.4	10.6	19.4	22.3	26.3	37.2	57.7	93.7	130.2	156.4
17.5°	0.0	3.4	10.8	20.0	22.5	26.6	37.2	56.0	97.0	133.0	160.0
15°	0.0	3.4	11.0	20.6	22.7	27.0	38.2	55.2	100.1	135.5	163.3
12.5°	0.0	3.4	11.1	21.1	22.8	27.2	39.0	55.1	102.3	137.6	166.3
10°	0.0	3.4	11.3	21.6	22.8	27.4	39.7	54.6	103.0	139.9	169.1
7.5°	0.0	3.4	11.4	22.0	22.9	27.6	40.2	53.7	102.8	142.3	171.9
5°	0.0	3.4	11.4	22.3	22.9	27.7	40.6	52.4	101.6	144.5	174.1
2.5°	0.0	3.3	11.5	22.7	22.9	27.8	40.8	50.8	99.5	146.3	175.8
0°	0.0	3.3	11.5	22.9	22.9	27.8	40.9	49.1	96.6	147.4	176.8
-2.5°	0.0	3.3	11.5	22.7	22.9	27.8	40.8	50.8	99.5	146.3	175.8
-5°	0.0	3.4	11.4	22.3	22.9	27.7	40.6	52.4	101.6	144.5	174.1
-7.5°	0.0	3.4	11.4	22.0	22.9	27.6	40.2	53.7	102.8	142.3	171.9
-10°	0.0	3.4	11.3	21.6	22.8	27.4	39.7	54.6	103.0	139.9	169.1
-12.5°	0.0	3.4	11.1	21.1	22.8	27.2	39.0	55.1	102.3	137.6	166.3
-15°	0.0	3.4	11.0	20.6	22.7	27.0	38.2	55.2	100.1	135.5	163.3
-17.5°	0.0	3.4	10.8	20.0	22.5	26.6	37.2	56.0	97.0	133.0	160.0
-20°	0.0	3.4	10.6	19.4	22.3	26.3	37.2	57.7	93.7	130.2	156.4



REPORT NUMBER: P561397 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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	3.3	10.3	18.8	22.1	25.9	39.0	59.1	90.5	127.0	152.5
-25°	0.0	3.3	10.1	18.2	21.8	27.0	40.5	60.2	87.4	123.4	148.3
-27.5°	0.0	3.3	9.8	17.5	21.5	28.5	41.8	61.1	84.6	119.2	143.7
-30°	0.0	3.2	9.5	16.8	21.2	29.7	42.8	61.7	83.9	114.6	138.9
-32.5°	0.0	3.1	9.2	16.1	21.9	30.8	43.6	62.5	84.2	110.7	133.8
-35°	0.0	3.1	8.9	15.4	22.4	31.6	44.6	63.2	84.3	107.7	128.6
-37.5°	0.0	3.0	8.5	14.7	22.7	32.2	45.5	63.5	84.1	105.5	123.1
-40°	0.0	2.9	8.1	13.9	22.8	32.6	46.0	63.5	83.7	104.7	118.0
-42.5°	0.0	2.8	7.8	13.3	22.5	32.6	46.2	63.1	83.2	100.7	112.5
-45°	0.0	2.7	7.4	12.8	21.9	32.3	46.0	62.5	82.3	96.2	106.8
-47.5°	0.0	2.6	6.9	12.1	21.0	31.8	45.5	61.8	80.9	91.6	101.7
-50°	0.0	2.5	6.5	11.6	20.0	30.9	44.3	60.5	76.6	86.7	96.5
-52.5°	0.0	2.4	6.1	11.0	18.8	29.7	42.6	58.8	72.0	81.7	91.1
-55°	0.0	2.3	5.6	10.4	17.5	27.9	40.5	56.5	67.1	76.5	85.3
-57.5°	0.0	2.1	5.2	9.7	16.0	25.8	38.0	53.1	62.0	70.6	79.4
-60°	0.0	2.0	4.7	8.9	14.4	23.5	35.0	48.1	56.4	64.3	72.9
-62.5°	0.0	1.9	4.4	8.1	13.2	20.9	31.6	42.5	49.8	57.7	65.3
-65°	0.0	1.7	4.0	7.2	11.9	18.2	27.8	36.8	43.0	50.0	57.4
-67.5°	0.0	1.5	3.7	6.4	10.5	15.7	23.8	31.3	36.0	41.8	48.3
-70°	0.0	1.4	3.3	5.4	9.0	13.7	19.5	25.7	29.9	33.3	38.5
-72.5°	0.0	1.2	2.9	4.7	7.5	11.5	16.3	20.2	24.0	27.0	29.3
-75°	0.0	1.1	2.5	4.1	5.9	9.2	13.3	16.0	18.0	20.7	22.8
-77.5°	0.0	0.9	2.1	3.4	4.9	6.9	10.1	12.3	13.9	15.1	16.5
-80°	0.0	0.7	1.7	2.7	3.9	5.2	6.9	8.6	9.9	11.0	11.7
-82.5°	0.0	0.5	1.3	2.1	3.0	3.9	5.0	5.5	6.0	6.9	7.5
-85°	0.0	0.4	0.9	1.4	2.0	2.6	3.4	3.7	3.9	4.1	4.1
-87.5°	0.0	0.2	0.4	0.7	1.0	1.3	1.7	1.8	1.9	2.0	2.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	2.1	2.1	2.0	1.9	1.8	1.6	1.4	1.1	1.2	1.2	1.3
85°	4.2	4.1	4.5	5.0	5.1	5.0	4.8	4.4	5.1	6.0	6.9
82.5°	8.4	9.4	10.4	11.5	11.4	10.9	10.2	9.2	10.8	13.1	15.7
80°	13.1	14.6	17.0	19.4	19.5	18.4	16.6	14.2	16.9	21.4	26.5
77.5°	19.1	22.2	25.4	28.6	28.4	26.2	23.5	20.3	23.8	30.5	37.9
75°	25.9	29.8	33.9	36.8	36.3	33.7	30.9	29.3	33.9	42.3	50.1
72.5°	34.1	39.4	43.0	45.0	45.6	44.9	44.2	43.5	47.5	55.8	62.8
70°	44.4	49.3	52.8	55.6	57.1	57.4	58.4	60.1	63.8	71.1	76.9
67.5°	54.8	59.4	63.2	66.2	68.6	70.5	73.2	77.8	83.4	89.4	92.9
65°	64.4	69.4	73.0	76.4	79.8	84.3	90.0	96.8	101.9	105.7	109.6
62.5°	73.7	78.2	82.2	86.6	92.1	98.6	105.3	111.2	116.2	122.0	128.8
60°	80.9	86.4	91.3	97.1	104.2	112.3	119.3	126.4	132.9	139.4	147.5
57.5°	87.5	94.2	100.0	107.5	116.7	126.3	135.2	143.1	150.4	158.0	166.0
55°	93.9	101.3	108.8	118.5	129.5	141.6	151.3	159.6	168.2	177.6	185.9
52.5°	99.7	108.2	118.4	130.0	143.4	155.7	166.1	175.5	185.5	196.4	205.3
50°	105.5	116.3	128.1	142.7	156.1	168.2	179.8	190.2	201.8	213.3	224.7
47.5°	112.2	124.1	139.5	154.5	167.3	179.7	191.8	204.8	217.6	230.3	243.1
45°	119.0	133.4	150.4	164.4	177.6	190.3	204.5	219.4	233.2	246.5	258.4
42.5°	125.4	142.8	159.2	173.7	186.9	201.4	217.1	232.9	247.4	259.8	271.3
40°	133.3	151.7	167.6	182.1	196.1	212.5	228.7	244.9	258.8	270.7	281.9
37.5°	141.0	159.1	175.5	190.3	205.8	222.6	239.3	255.1	268.3	280.0	289.2
35°	148.1	166.2	183.0	198.8	215.3	231.6	248.9	264.4	276.3	286.9	297.9
32.5°	154.5	173.1	190.4	206.9	224.2	240.7	258.3	271.2	283.0	294.3	308.8
30°	160.3	179.5	197.5	214.3	233.0	250.3	265.2	277.4	289.2	303.9	326.2
27.5°	165.7	185.8	203.8	221.9	241.6	258.9	271.9	283.1	297.0	315.4	346.4
25°	171.0	191.4	209.4	229.6	249.0	265.4	278.3	289.3	305.0	333.1	395.8
22.5°	175.9	196.6	215.0	237.1	255.5	271.3	283.6	296.9	316.9	351.2	452.4
20°	180.2	201.1	221.2	244.0	261.3	277.1	288.1	304.3	331.4	399.5	537.2
17.5°	183.9	205.5	227.3	249.2	266.8	282.0	292.3	311.3	344.0	442.5	627.8
15°	187.2	209.7	232.6	254.0	271.8	286.3	299.3	321.3	368.4	490.5	711.2
12.5°	190.0	213.6	237.2	258.3	276.2	290.6	305.6	331.0	399.3	555.4	844.9
10°	192.4	217.1	241.1	262.1	280.0	294.8	310.8	339.1	425.8	610.7	955.3
7.5°	194.9	220.2	244.4	265.4	283.3	298.9	315.0	345.7	447.1	654.3	1041.2
5°	197.0	222.7	248.2	269.6	287.6	302.6	319.1	350.7	463.0	685.8	1101.9
2.5°	198.6	224.6	251.3	273.5	292.2	305.5	326.0	357.9	477.8	707.2	1142.5
0°	199.7	225.9	253.8	276.7	296.3	307.8	332.4	363.5	487.9	717.1	1162.5
-2.5°	198.6	224.6	251.3	273.5	292.2	305.5	326.0	357.9	477.8	707.2	1142.5
-5°	197.0	222.7	248.2	269.6	287.6	302.6	319.1	350.7	463.0	685.8	1101.9
-7.5°	194.9	220.2	244.4	265.4	283.3	298.9	315.0	345.7	447.1	654.3	1041.2
-10°	192.4	217.1	241.1	262.1	280.0	294.8	310.8	339.1	425.8	610.7	955.3
-12.5°	190.0	213.6	237.2	258.3	276.2	290.6	305.6	331.0	399.3	555.4	844.9
-15°	187.2	209.7	232.6	254.0	271.8	286.3	299.3	321.3	368.4	490.5	711.2
-17.5°	183.9	205.5	227.3	249.2	266.8	282.0	292.3	311.3	344.0	442.5	627.8
-20°	180.2	201.1	221.2	244.0	261.3	277.1	288.1	304.3	331.4	399.5	537.2



REPORT NUMBER: P561397 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	175.9	196.6	215.0	237.1	255.5	271.3	283.6	296.9	316.9	351.2	452.4
-25°	171.0	191.4	209.4	229.6	249.0	265.4	278.3	289.3	305.0	333.1	395.8
-27.5°	165.7	185.8	203.8	221.9	241.6	258.9	271.9	283.1	297.0	315.4	346.4
-30°	160.3	179.5	197.5	214.3	233.0	250.3	265.2	277.4	289.2	303.9	326.2
-32.5°	154.5	173.1	190.4	206.9	224.2	240.7	258.3	271.2	283.0	294.3	308.8
-35°	148.1	166.2	183.0	198.8	215.3	231.6	248.9	264.4	276.3	286.9	297.9
-37.5°	141.0	159.1	175.5	190.3	205.8	222.6	239.3	255.1	268.3	280.0	289.2
-40°	133.3	151.7	167.6	182.1	196.1	212.5	228.7	244.9	258.8	270.7	281.9
-42.5°	125.4	142.8	159.2	173.7	186.9	201.4	217.1	232.9	247.4	259.8	271.3
-45°	119.0	133.4	150.4	164.4	177.6	190.3	204.5	219.4	233.2	246.5	258.4
-47.5°	112.2	124.1	139.5	154.5	167.3	179.7	191.8	204.8	217.6	230.3	243.1
-50°	105.5	116.3	128.1	142.7	156.1	168.2	179.8	190.2	201.8	213.3	224.7
-52.5°	99.7	108.2	118.4	130.0	143.4	155.7	166.1	175.5	185.5	196.4	205.3
-55°	93.9	101.3	108.8	118.5	129.5	141.6	151.3	159.6	168.2	177.6	185.9
-57.5°	87.5	94.2	100.0	107.5	116.7	126.3	135.2	143.1	150.4	158.0	166.0
-60°	80.9	86.4	91.3	97.1	104.2	112.3	119.3	126.4	132.9	139.4	147.5
-62.5°	73.7	78.2	82.2	86.6	92.1	98.6	105.3	111.2	116.2	122.0	128.8
-65°	64.4	69.4	73.0	76.4	79.8	84.3	90.0	96.8	101.9	105.7	109.6
-67.5°	54.8	59.4	63.2	66.2	68.6	70.5	73.2	77.8	83.4	89.4	92.9
-70°	44.4	49.3	52.8	55.6	57.1	57.4	58.4	60.1	63.8	71.1	76.9
-72.5°	34.1	39.4	43.0	45.0	45.6	44.9	44.2	43.5	47.5	55.8	62.8
-75°	25.9	29.8	33.9	36.8	36.3	33.7	30.9	29.3	33.9	42.3	50.1
-77.5°	19.1	22.2	25.4	28.6	28.4	26.2	23.5	20.3	23.8	30.5	37.9
-80°	13.1	14.6	17.0	19.4	19.5	18.4	16.6	14.2	16.9	21.4	26.5
-82.5°	8.4	9.4	10.4	11.5	11.4	10.9	10.2	9.2	10.8	13.1	15.7
-85°	4.2	4.1	4.5	5.0	5.1	5.0	4.8	4.4	5.1	6.0	6.9
-87.5°	2.1	2.1	2.0	1.9	1.8	1.6	1.4	1.1	1.2	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



REPORT NUMBER: P561397 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.6
85°	7.9	7.6	7.0	6.4	5.6	5.8	5.9	6.0	6.2	5.9	5.6
82.5°	18.7	19.0	18.9	18.6	18.4	19.4	20.6	21.7	22.7	20.4	17.6
80°	32.0	34.2	35.9	37.9	40.2	41.6	42.4	42.9	43.0	37.7	31.5
77.5°	45.6	49.7	52.5	55.1	57.5	58.2	58.7	59.1	59.4	51.9	42.6
75°	57.3	61.7	64.2	66.5	68.6	69.8	70.8	71.7	72.6	64.1	53.0
72.5°	68.5	72.3	74.8	77.2	79.4	81.2	82.7	84.0	85.2	78.4	68.9
70°	80.6	83.1	85.9	88.9	91.4	93.2	94.9	96.5	97.8	96.2	93.9
67.5°	95.7	98.8	102.1	104.0	106.3	109.1	111.7	113.2	113.5	113.9	114.9
65°	114.3	120.1	124.7	128.6	131.7	134.3	137.1	140.2	143.5	146.4	147.6
62.5°	136.2	142.6	146.4	150.4	155.0	159.4	163.5	167.6	171.4	175.0	178.6
60°	154.1	159.2	163.8	169.0	173.9	178.6	183.7	188.8	193.5	197.9	202.4
57.5°	172.4	176.8	180.6	187.1	192.9	197.9	203.3	209.0	214.1	218.8	223.7
55°	191.6	196.1	199.7	208.2	215.0	219.0	222.3	227.5	232.1	236.0	241.4
52.5°	211.1	218.7	227.5	235.1	238.3	238.9	238.4	245.4	249.8	251.4	256.3
50°	233.6	243.0	251.7	259.0	260.7	263.6	267.9	271.0	272.3	273.0	278.5
47.5°	253.2	262.9	270.8	277.9	281.9	285.8	291.0	294.9	297.0	299.0	304.5
45°	269.7	277.8	285.3	291.1	296.8	303.9	310.7	316.1	323.4	329.9	336.6
42.5°	281.9	289.2	295.4	304.7	314.4	325.1	338.0	349.1	370.7	397.6	420.4
40°	290.2	298.4	310.1	323.1	341.1	358.3	400.4	440.6	488.0	551.4	600.8
37.5°	299.4	312.7	330.9	351.1	396.8	445.4	533.0	631.4	717.5	849.3	965.1
35°	311.9	333.9	361.7	422.9	504.0	628.5	771.0	960.3	1131.5	1303.1	1454.5
32.5°	332.4	367.7	436.6	552.1	693.0	918.9	1141.7	1383.1	1602.2	1790.7	1944.9
30°	360.3	436.4	569.3	739.7	1005.7	1282.8	1569.8	1825.5	2050.4	2240.3	2376.6
27.5°	423.1	554.2	743.6	1039.9	1351.0	1675.6	1966.2	2228.3	2428.8	2607.6	2733.7
25°	508.1	696.5	1017.2	1362.4	1711.3	2025.1	2311.7	2553.9	2738.0	2920.9	3052.5
22.5°	629.6	923.8	1294.7	1686.8	2031.8	2337.8	2612.0	2826.1	3027.6	3217.1	3378.5
20°	766.6	1146.7	1574.4	1963.1	2307.9	2610.6	2843.7	3102.8	3317.3	3545.1	3732.1
17.5°	955.7	1382.5	1817.5	2206.7	2543.9	2824.8	3100.7	3359.1	3625.3	3876.8	4113.1
15°	1123.3	1595.0	2024.5	2402.7	2730.0	3029.7	3333.1	3613.6	3928.2	4230.8	4518.7
12.5°	1286.9	1770.5	2199.5	2572.3	2886.9	3210.8	3542.5	3888.1	4243.1	4598.6	4957.4
10°	1428.6	1909.6	2329.3	2700.2	3033.9	3375.8	3735.4	4132.5	4549.2	4964.6	5374.8
7.5°	1540.6	2022.0	2437.2	2807.5	3154.4	3511.0	3910.0	4343.6	4816.7	5316.9	5810.0
5°	1621.9	2105.7	2525.9	2879.0	3241.7	3616.3	4048.0	4528.6	5037.8	5588.3	6132.4
2.5°	1670.5	2156.6	2585.5	2924.7	3292.3	3702.0	4145.7	4642.8	5196.0	5779.6	6331.9
0°	1684.8	2169.4	2601.6	2925.0	3318.8	3741.1	4191.4	4706.3	5263.9	5876.2	6452.5
-2.5°	1670.5	2156.6	2585.5	2924.7	3292.3	3702.0	4145.7	4642.8	5196.0	5779.6	6331.9
-5°	1621.9	2105.7	2525.9	2879.0	3241.7	3616.3	4048.0	4528.6	5037.8	5588.3	6132.4
-7.5°	1540.6	2022.0	2437.2	2807.5	3154.4	3511.0	3910.0	4343.6	4816.7	5316.9	5810.0
-10°	1428.6	1909.6	2329.3	2700.2	3033.9	3375.8	3735.4	4132.5	4549.2	4964.6	5374.8
-12.5°	1286.9	1770.5	2199.5	2572.3	2886.9	3210.8	3542.5	3888.1	4243.1	4598.6	4957.4
-15°	1123.3	1595.0	2024.5	2402.7	2730.0	3029.7	3333.1	3613.6	3928.2	4230.8	4518.7
-17.5°	955.7	1382.5	1817.5	2206.7	2543.9	2824.8	3100.7	3359.1	3625.3	3876.8	4113.1
-20°	766.6	1146.7	1574.4	1963.1	2307.9	2610.6	2843.7	3102.8	3317.3	3545.1	3732.1



REPORT NUMBER: P561397 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	629.6	923.8	1294.7	1686.8	2031.8	2337.8	2612.0	2826.1	3027.6	3217.1	3378.5
-25°	508.1	696.5	1017.2	1362.4	1711.3	2025.1	2311.7	2553.9	2738.0	2920.9	3052.5
-27.5°	423.1	554.2	743.6	1039.9	1351.0	1675.6	1966.2	2228.3	2428.8	2607.6	2733.7
-30°	360.3	436.4	569.3	739.7	1005.7	1282.8	1569.8	1825.5	2050.4	2240.3	2376.6
-32.5°	332.4	367.7	436.6	552.1	693.0	918.9	1141.7	1383.1	1602.2	1790.7	1944.9
-35°	311.9	333.9	361.7	422.9	504.0	628.5	771.0	960.3	1131.5	1303.1	1454.5
-37.5°	299.4	312.7	330.9	351.1	396.8	445.4	533.0	631.4	717.5	849.3	965.1
-40°	290.2	298.4	310.1	323.1	341.1	358.3	400.4	440.6	488.0	551.4	600.8
-42.5°	281.9	289.2	295.4	304.7	314.4	325.1	338.0	349.1	370.7	397.6	420.4
-45°	269.7	277.8	285.3	291.1	296.8	303.9	310.7	316.1	323.4	329.9	336.6
-47.5°	253.2	262.9	270.8	277.9	281.9	285.8	291.0	294.9	297.0	299.0	304.5
-50°	233.6	243.0	251.7	259.0	260.7	263.6	267.9	271.0	272.3	273.0	278.5
-52.5°	211.1	218.7	227.5	235.1	238.3	238.9	238.4	245.4	249.8	251.4	256.3
-55°	191.6	196.1	199.7	208.2	215.0	219.0	222.3	227.5	232.1	236.0	241.4
-57.5°	172.4	176.8	180.6	187.1	192.9	197.9	203.3	209.0	214.1	218.8	223.7
-60°	154.1	159.2	163.8	169.0	173.9	178.6	183.7	188.8	193.5	197.9	202.4
-62.5°	136.2	142.6	146.4	150.4	155.0	159.4	163.5	167.6	171.4	175.0	178.6
-65°	114.3	120.1	124.7	128.6	131.7	134.3	137.1	140.2	143.5	146.4	147.6
-67.5°	95.7	98.8	102.1	104.0	106.3	109.1	111.7	113.2	113.5	113.9	114.9
-70°	80.6	83.1	85.9	88.9	91.4	93.2	94.9	96.5	97.8	96.2	93.9
-72.5°	68.5	72.3	74.8	77.2	79.4	81.2	82.7	84.0	85.2	78.4	68.9
-75°	57.3	61.7	64.2	66.5	68.6	69.8	70.8	71.7	72.6	64.1	53.0
-77.5°	45.6	49.7	52.5	55.1	57.5	58.2	58.7	59.1	59.4	51.9	42.6
-80°	32.0	34.2	35.9	37.9	40.2	41.6	42.4	42.9	43.0	37.7	31.5
-82.5°	18.7	19.0	18.9	18.6	18.4	19.4	20.6	21.7	22.7	20.4	17.6
-85°	7.9	7.6	7.0	6.4	5.6	5.8	5.9	6.0	6.2	5.9	5.6
-87.5°	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P561397 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
85°	5.2	4.9	4.9	4.9	4.9	4.9	5.2	5.6	5.9	6.2	6.0
82.5°	14.6	11.5	12.3	13.1	12.3	11.5	14.6	17.6	20.4	22.7	21.7
80°	24.9	18.1	18.0	18.0	18.0	18.1	24.9	31.5	37.7	43.0	42.9
77.5°	33.1	23.3	23.7	24.6	23.7	23.3	33.1	42.6	51.9	59.4	59.1
75°	41.7	30.1	31.0	32.7	31.0	30.1	41.7	53.0	64.1	72.6	71.7
72.5°	59.2	49.5	44.3	39.3	44.3	49.5	59.2	68.9	78.4	85.2	84.0
70°	92.2	90.7	86.0	80.2	86.0	90.7	92.2	93.9	96.2	97.8	96.5
67.5°	116.0	117.0	118.3	119.5	118.3	117.0	116.0	114.9	113.9	113.5	113.2
65°	147.6	146.7	147.8	149.0	147.8	146.7	147.6	147.6	146.4	143.5	140.2
62.5°	182.4	186.1	189.3	191.6	189.3	186.1	182.4	178.6	175.0	171.4	167.6
60°	206.2	209.5	212.3	214.5	212.3	209.5	206.2	202.4	197.9	193.5	188.8
57.5°	228.2	232.1	236.5	240.7	236.5	232.1	228.2	223.7	218.8	214.1	209.0
55°	246.5	251.4	257.3	263.6	257.3	251.4	246.5	241.4	236.0	232.1	227.5
52.5°	262.1	267.4	273.6	280.0	273.6	267.4	262.1	256.3	251.4	249.8	245.4
50°	286.5	293.7	299.2	302.9	299.2	293.7	286.5	278.5	273.0	272.3	271.0
47.5°	313.3	321.0	330.5	342.2	330.5	321.0	313.3	304.5	299.0	297.0	294.9
45°	345.0	351.2	358.1	366.8	358.1	351.2	345.0	336.6	329.9	323.4	316.1
42.5°	441.5	457.4	467.2	469.9	467.2	457.4	441.5	420.4	397.6	370.7	349.1
40°	644.9	678.6	700.6	710.6	700.6	678.6	644.9	600.8	551.4	488.0	440.6
37.5°	1060.0	1127.3	1166.7	1178.8	1166.7	1127.3	1060.0	965.1	849.3	717.5	631.4
35°	1573.7	1659.0	1709.0	1706.0	1709.0	1659.0	1573.7	1454.5	1303.1	1131.5	960.3
32.5°	2065.3	2148.6	2199.0	2221.8	2199.0	2148.6	2065.3	1944.9	1790.7	1602.2	1383.1
30°	2486.0	2556.0	2594.9	2626.2	2594.9	2556.0	2486.0	2376.6	2240.3	2050.4	1825.5
27.5°	2840.7	2907.7	2943.3	2957.0	2943.3	2907.7	2840.7	2733.7	2607.6	2428.8	2228.3
25°	3173.7	3249.7	3285.6	3307.3	3285.6	3249.7	3173.7	3052.5	2920.9	2738.0	2553.9
22.5°	3512.8	3602.0	3677.6	3687.2	3677.6	3602.0	3512.8	3378.5	3217.1	3027.6	2826.1
20°	3906.9	4034.3	4097.7	4140.7	4097.7	4034.3	3906.9	3732.1	3545.1	3317.3	3102.8
17.5°	4326.2	4495.6	4593.6	4632.7	4593.6	4495.6	4326.2	4113.1	3876.8	3625.3	3359.1
15°	4791.3	5009.8	5147.7	5191.8	5147.7	5009.8	4791.3	4518.7	4230.8	3928.2	3613.6
12.5°	5285.9	5554.8	5728.6	5773.9	5728.6	5554.8	5285.9	4957.4	4598.6	4243.1	3888.1
10°	5768.5	6070.0	6285.5	6365.7	6285.5	6070.0	5768.5	5374.8	4964.6	4549.2	4132.5
7.5°	6207.6	6590.9	6774.8	6860.2	6774.8	6590.9	6207.6	5810.0	5316.9	4816.7	4343.6
5°	6574.5	6889.3	7029.4	7035.4	7029.4	6889.3	6574.5	6132.4	5588.3	5037.8	4528.6
2.5°	6773.7	7032.5	7093.8	7060.0	7093.8	7032.5	6773.7	6331.9	5779.6	5196.0	4642.8
0°	6856.9	7094.3	7130.3	7059.9	7130.3	7094.3	6856.9	6452.5	5876.2	5263.9	4706.3
-2.5°	6773.7	7032.5	7093.8	7059.9	7093.8	7032.5	6773.7	6331.9	5779.6	5196.0	4642.8
-5°	6574.5	6889.3	7029.4	7035.4	7029.4	6889.3	6574.5	6132.4	5588.3	5037.8	4528.6
-7.5°	6207.6	6590.9	6774.8	6860.2	6774.8	6590.9	6207.6	5810.0	5316.9	4816.7	4343.6
-10°	5768.5	6070.0	6285.5	6365.7	6285.5	6070.0	5768.5	5374.8	4964.6	4549.2	4132.5
-12.5°	5285.9	5554.8	5728.6	5773.9	5728.6	5554.8	5285.9	4957.4	4598.6	4243.1	3888.1
-15°	4791.3	5009.8	5147.7	5191.8	5147.7	5009.8	4791.3	4518.7	4230.8	3928.2	3613.6
-17.5°	4326.2	4495.6	4593.6	4632.7	4593.6	4495.6	4326.2	4113.1	3876.8	3625.3	3359.1
-20°	3906.9	4034.3	4097.7	4140.7	4097.7	4034.3	3906.9	3732.1	3545.1	3317.3	3102.8



REPORT NUMBER: P561397 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	3512.8	3602.0	3677.6	3687.2	3677.6	3602.0	3512.8	3378.5	3217.1	3027.6	2826.1
-25°	3173.7	3249.7	3285.6	3307.3	3285.6	3249.7	3173.7	3052.5	2920.9	2738.0	2553.9
-27.5°	2840.7	2907.7	2943.3	2956.9	2943.3	2907.7	2840.7	2733.7	2607.6	2428.8	2228.3
-30°	2486.0	2556.0	2594.9	2626.2	2594.9	2556.0	2486.0	2376.6	2240.3	2050.4	1825.5
-32.5°	2065.3	2148.6	2199.0	2221.8	2199.0	2148.6	2065.3	1944.9	1790.7	1602.2	1383.1
-35°	1573.7	1659.0	1709.0	1706.0	1709.0	1659.0	1573.7	1454.5	1303.1	1131.5	960.3
-37.5°	1060.0	1127.3	1166.7	1178.8	1166.7	1127.3	1060.0	965.1	849.3	717.5	631.4
-40°	644.9	678.6	700.6	710.6	700.6	678.6	644.9	600.8	551.4	488.0	440.6
-42.5°	441.5	457.4	467.2	469.9	467.2	457.4	441.5	420.4	397.6	370.7	349.1
-45°	345.0	351.2	358.1	366.8	358.1	351.2	345.0	336.6	329.9	323.4	316.1
-47.5°	313.3	321.0	330.5	342.2	330.5	321.0	313.3	304.5	299.0	297.0	294.9
-50°	286.5	293.7	299.2	302.9	299.2	293.7	286.5	278.5	273.0	272.3	271.0
-52.5°	262.1	267.4	273.6	280.0	273.6	267.4	262.1	256.3	251.4	249.8	245.4
-55°	246.5	251.4	257.3	263.6	257.3	251.4	246.5	241.4	236.0	232.1	227.5
-57.5°	228.2	232.1	236.5	240.7	236.5	232.1	228.2	223.7	218.8	214.1	209.0
-60°	206.2	209.5	212.3	214.5	212.3	209.5	206.2	202.4	197.9	193.5	188.8
-62.5°	182.4	186.1	189.3	191.6	189.3	186.1	182.4	178.6	175.0	171.4	167.6
-65°	147.6	146.7	147.8	149.0	147.8	146.7	147.6	147.6	146.4	143.5	140.2
-67.5°	116.0	117.0	118.3	119.5	118.3	117.0	116.0	114.9	113.9	113.5	113.2
-70°	92.2	90.7	86.0	80.2	86.0	90.7	92.2	93.9	96.2	97.8	96.5
-72.5°	59.2	49.5	44.3	39.3	44.3	49.5	59.2	68.9	78.4	85.2	84.0
-75°	41.7	30.1	31.0	32.7	31.0	30.1	41.7	53.0	64.1	72.6	71.7
-77.5°	33.1	23.3	23.7	24.6	23.7	23.3	33.1	42.6	51.9	59.4	59.1
-80°	24.9	18.1	18.0	18.0	18.0	18.1	24.9	31.5	37.7	43.0	42.9
-82.5°	14.6	11.5	12.3	13.1	12.3	11.5	14.6	17.6	20.4	22.7	21.7
-85°	5.2	4.9	4.9	4.9	4.9	4.9	5.2	5.6	5.9	6.2	6.0
-87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	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



REPORT NUMBER: P561397 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1
85°	5.9	5.8	5.6	6.4	7.0	7.6	7.9	6.9	6.0	5.1	4.4
82.5°	20.6	19.4	18.4	18.6	18.9	19.0	18.7	15.7	13.1	10.8	9.2
80°	42.4	41.6	40.2	37.9	35.9	34.2	32.0	26.5	21.4	16.9	14.2
77.5°	58.7	58.2	57.5	55.1	52.5	49.7	45.6	37.9	30.5	23.8	20.3
75°	70.8	69.8	68.6	66.5	64.2	61.7	57.3	50.1	42.3	33.9	29.3
72.5°	82.7	81.2	79.4	77.2	74.8	72.3	68.5	62.8	55.8	47.5	43.5
70°	94.9	93.2	91.4	88.9	85.9	83.1	80.6	76.9	71.1	63.8	60.1
67.5°	111.7	109.1	106.3	104.0	102.1	98.8	95.7	92.9	89.4	83.4	77.8
65°	137.1	134.3	131.7	128.6	124.7	120.1	114.3	109.6	105.7	101.9	96.8
62.5°	163.5	159.4	155.0	150.4	146.4	142.6	136.2	128.8	122.0	116.2	111.2
60°	183.7	178.6	173.9	169.0	163.8	159.2	154.1	147.5	139.4	132.9	126.4
57.5°	203.3	197.9	192.9	187.1	180.6	176.8	172.4	166.0	158.0	150.4	143.1
55°	222.3	219.0	215.0	208.2	199.7	196.1	191.6	185.9	177.6	168.2	159.6
52.5°	238.4	238.9	238.3	235.1	227.5	218.7	211.1	205.3	196.4	185.5	175.5
50°	267.9	263.6	260.7	259.0	251.7	243.0	233.6	224.7	213.3	201.8	190.2
47.5°	291.0	285.8	281.9	277.9	270.8	262.9	253.2	243.1	230.3	217.6	204.8
45°	310.7	303.9	296.8	291.1	285.3	277.8	269.7	258.4	246.5	233.2	219.4
42.5°	338.0	325.1	314.4	304.7	295.4	289.2	281.9	271.3	259.8	247.4	232.9
40°	400.4	358.3	341.1	323.1	310.1	298.4	290.2	281.9	270.7	258.8	244.9
37.5°	533.0	445.4	396.8	351.1	330.9	312.7	299.4	289.2	280.0	268.3	255.1
35°	771.0	628.5	504.0	422.9	361.7	333.9	311.9	297.9	286.9	276.3	264.4
32.5°	1141.7	918.9	693.0	552.1	436.6	367.7	332.4	308.8	294.3	283.0	271.2
30°	1569.8	1282.8	1005.7	739.7	569.3	436.4	360.3	326.2	303.9	289.2	277.4
27.5°	1966.2	1675.6	1351.0	1039.9	743.6	554.2	423.1	346.4	315.4	297.0	283.1
25°	2311.7	2025.1	1711.3	1362.4	1017.2	696.5	508.1	395.8	333.1	305.0	289.3
22.5°	2612.0	2337.8	2031.8	1686.8	1294.7	923.8	629.6	452.4	351.2	316.9	296.9
20°	2843.7	2610.6	2307.9	1963.1	1574.4	1146.7	766.6	537.2	399.5	331.4	304.3
17.5°	3100.7	2824.8	2543.9	2206.7	1817.5	1382.5	955.7	627.8	442.5	344.0	311.3
15°	3333.1	3029.7	2730.0	2402.7	2024.5	1595.0	1123.3	711.2	490.5	368.4	321.3
12.5°	3542.5	3210.8	2886.9	2572.3	2199.5	1770.5	1286.9	844.9	555.4	399.3	331.0
10°	3735.4	3375.8	3033.9	2700.2	2329.3	1909.6	1428.6	955.3	610.7	425.8	339.1
7.5°	3910.0	3511.0	3154.4	2807.5	2437.2	2022.0	1540.6	1041.2	654.3	447.1	345.7
5°	4048.0	3616.3	3241.7	2879.0	2525.9	2105.7	1621.9	1101.9	685.8	463.0	350.7
2.5°	4145.7	3702.0	3292.3	2924.7	2585.5	2156.6	1670.5	1142.5	707.2	477.8	357.9
0°	4191.4	3741.1	3318.8	2925.0	2601.6	2169.4	1684.8	1162.5	717.1	487.9	363.5
-2.5°	4145.7	3702.0	3292.3	2924.7	2585.5	2156.6	1670.5	1142.5	707.2	477.8	357.9
-5°	4048.0	3616.3	3241.7	2879.0	2525.9	2105.7	1621.9	1101.9	685.8	463.0	350.7
-7.5°	3910.0	3511.0	3154.4	2807.5	2437.2	2022.0	1540.6	1041.2	654.3	447.1	345.7
-10°	3735.4	3375.8	3033.9	2700.2	2329.3	1909.6	1428.6	955.3	610.7	425.8	339.1
-12.5°	3542.5	3210.8	2886.9	2572.3	2199.5	1770.5	1286.9	844.9	555.4	399.3	331.0
-15°	3333.1	3029.7	2730.0	2402.7	2024.5	1595.0	1123.3	711.2	490.5	368.4	321.3
-17.5°	3100.7	2824.8	2543.9	2206.7	1817.5	1382.5	955.7	627.8	442.5	344.0	311.3
-20°	2843.7	2610.6	2307.9	1963.1	1574.4	1146.7	766.6	537.2	399.5	331.4	304.3



REPORT NUMBER: P561397 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	2612.0	2337.8	2031.8	1686.8	1294.7	923.8	629.6	452.4	351.2	316.9	296.9
-25°	2311.7	2025.1	1711.3	1362.4	1017.2	696.5	508.1	395.8	333.1	305.0	289.3
-27.5°	1966.2	1675.6	1351.0	1039.9	743.6	554.2	423.1	346.4	315.4	297.0	283.1
-30°	1569.8	1282.8	1005.7	739.7	569.3	436.4	360.3	326.2	303.9	289.2	277.4
-32.5°	1141.7	918.9	693.0	552.1	436.6	367.7	332.4	308.8	294.3	283.0	271.2
-35°	771.0	628.5	504.0	422.9	361.7	333.9	311.9	297.9	286.9	276.3	264.4
-37.5°	533.0	445.4	396.8	351.1	330.9	312.7	299.4	289.2	280.0	268.3	255.1
-40°	400.4	358.3	341.1	323.1	310.1	298.4	290.2	281.9	270.7	258.8	244.9
-42.5°	338.0	325.1	314.4	304.7	295.4	289.2	281.9	271.3	259.8	247.4	232.9
-45°	310.7	303.9	296.8	291.1	285.3	277.8	269.7	258.4	246.5	233.2	219.4
-47.5°	291.0	285.8	281.9	277.9	270.8	262.9	253.2	243.1	230.3	217.6	204.8
-50°	267.9	263.6	260.7	259.0	251.7	243.0	233.6	224.7	213.3	201.8	190.2
-52.5°	238.4	238.9	238.3	235.1	227.5	218.7	211.1	205.3	196.4	185.5	175.5
-55°	222.3	219.0	215.0	208.2	199.7	196.1	191.6	185.9	177.6	168.2	159.6
-57.5°	203.3	197.9	192.9	187.1	180.6	176.8	172.4	166.0	158.0	150.4	143.1
-60°	183.7	178.6	173.9	169.0	163.8	159.2	154.1	147.5	139.4	132.9	126.4
-62.5°	163.5	159.4	155.0	150.4	146.4	142.6	136.2	128.8	122.0	116.2	111.2
-65°	137.1	134.3	131.7	128.6	124.7	120.1	114.3	109.6	105.7	101.9	96.8
-67.5°	111.7	109.1	106.3	104.0	102.1	98.8	95.7	92.9	89.4	83.4	77.8
-70°	94.9	93.2	91.4	88.9	85.9	83.1	80.6	76.9	71.1	63.8	60.1
-72.5°	82.7	81.2	79.4	77.2	74.8	72.3	68.5	62.8	55.8	47.5	43.5
-75°	70.8	69.8	68.6	66.5	64.2	61.7	57.3	50.1	42.3	33.9	29.3
-77.5°	58.7	58.2	57.5	55.1	52.5	49.7	45.6	37.9	30.5	23.8	20.3
-80°	42.4	41.6	40.2	37.9	35.9	34.2	32.0	26.5	21.4	16.9	14.2
-82.5°	20.6	19.4	18.4	18.6	18.9	19.0	18.7	15.7	13.1	10.8	9.2
-85°	5.9	5.8	5.6	6.4	7.0	7.6	7.9	6.9	6.0	5.1	4.4
-87.5°	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	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: P561397 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-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°	1.4	1.6	1.8	1.9	2.0	2.1	2.1	2.1	2.0	1.9	1.8
85°	4.8	5.0	5.1	5.0	4.5	4.1	4.2	4.1	4.1	3.9	3.7
82.5°	10.2	10.9	11.4	11.5	10.4	9.4	8.4	7.5	6.9	6.0	5.5
80°	16.6	18.4	19.5	19.4	17.0	14.6	13.1	11.7	11.0	9.9	8.6
77.5°	23.5	26.2	28.4	28.6	25.4	22.2	19.1	16.5	15.1	13.9	12.3
75°	30.9	33.7	36.3	36.8	33.9	29.8	25.9	22.8	20.7	18.0	16.0
72.5°	44.2	44.9	45.6	45.0	43.0	39.4	34.1	29.3	27.0	24.0	20.2
70°	58.4	57.4	57.1	55.6	52.8	49.3	44.4	38.5	33.3	29.9	25.7
67.5°	73.2	70.5	68.6	66.2	63.2	59.4	54.8	48.3	41.8	36.0	31.3
65°	90.0	84.3	79.8	76.4	73.0	69.4	64.4	57.4	50.0	43.0	36.8
62.5°	105.3	98.6	92.1	86.6	82.2	78.2	73.7	65.3	57.7	49.8	42.5
60°	119.3	112.3	104.2	97.1	91.3	86.4	80.9	72.9	64.3	56.4	48.1
57.5°	135.2	126.3	116.7	107.5	100.0	94.2	87.5	79.4	70.6	62.0	53.1
55°	151.3	141.6	129.5	118.5	108.8	101.3	93.9	85.3	76.5	67.1	56.5
52.5°	166.1	155.7	143.4	130.0	118.4	108.2	99.7	91.1	81.7	72.0	58.8
50°	179.8	168.2	156.1	142.7	128.1	116.3	105.5	96.5	86.7	76.6	60.5
47.5°	191.8	179.7	167.3	154.5	139.5	124.1	112.2	101.7	91.6	80.9	61.8
45°	204.5	190.3	177.6	164.4	150.4	133.4	119.0	106.8	96.2	82.3	62.5
42.5°	217.1	201.4	186.9	173.7	159.2	142.8	125.4	112.5	100.7	83.2	63.1
40°	228.7	212.5	196.1	182.1	167.6	151.7	133.3	118.0	104.7	83.7	63.5
37.5°	239.3	222.6	205.8	190.3	175.5	159.1	141.0	123.1	105.5	84.1	63.5
35°	248.9	231.6	215.3	198.8	183.0	166.2	148.1	128.6	107.7	84.3	63.2
32.5°	258.3	240.7	224.2	206.9	190.4	173.1	154.5	133.8	110.7	84.2	62.5
30°	265.2	250.3	233.0	214.3	197.5	179.5	160.3	138.9	114.6	83.9	61.7
27.5°	271.9	258.9	241.6	221.9	203.8	185.8	165.7	143.7	119.2	84.6	61.1
25°	278.3	265.4	249.0	229.6	209.4	191.4	171.0	148.3	123.4	87.4	60.2
22.5°	283.6	271.3	255.5	237.1	215.0	196.6	175.9	152.5	127.0	90.5	59.1
20°	288.1	277.1	261.3	244.0	221.2	201.1	180.2	156.4	130.2	93.7	57.7
17.5°	292.3	282.0	266.8	249.2	227.3	205.5	183.9	160.0	133.0	97.0	56.0
15°	299.3	286.3	271.8	254.0	232.6	209.7	187.2	163.3	135.5	100.1	55.2
12.5°	305.6	290.6	276.2	258.3	237.2	213.6	190.0	166.3	137.6	102.3	55.1
10°	310.8	294.8	280.0	262.1	241.1	217.1	192.4	169.1	139.9	103.0	54.6
7.5°	315.0	298.9	283.3	265.4	244.4	220.2	194.9	171.9	142.3	102.8	53.7
5°	319.1	302.6	287.6	269.6	248.2	222.7	197.0	174.1	144.5	101.6	52.4
2.5°	326.0	305.5	292.2	273.5	251.3	224.6	198.6	175.8	146.3	99.5	50.8
0°	332.4	307.8	296.3	276.7	253.8	225.9	199.7	176.8	147.4	96.6	49.1
-2.5°	326.0	305.5	292.2	273.5	251.3	224.6	198.6	175.8	146.3	99.5	50.8
-5°	319.1	302.6	287.6	269.6	248.2	222.7	197.0	174.1	144.5	101.6	52.4
-7.5°	315.0	298.9	283.3	265.4	244.4	220.2	194.9	171.9	142.3	102.8	53.7
-10°	310.8	294.8	280.0	262.1	241.1	217.1	192.4	169.1	139.9	103.0	54.6
-12.5°	305.6	290.6	276.2	258.3	237.2	213.6	190.0	166.3	137.6	102.3	55.1
-15°	299.3	286.3	271.8	254.0	232.6	209.7	187.2	163.3	135.5	100.1	55.2
-17.5°	292.3	282.0	266.8	249.2	227.3	205.5	183.9	160.0	133.0	97.0	56.0
-20°	288.1	277.1	261.3	244.0	221.2	201.1	180.2	156.4	130.2	93.7	57.7



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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°	283.6	271.3	255.5	237.1	215.0	196.6	175.9	152.5	127.0	90.5	59.1
-25°	278.3	265.4	249.0	229.6	209.4	191.4	171.0	148.3	123.4	87.4	60.2
-27.5°	271.9	258.9	241.6	221.9	203.8	185.8	165.7	143.7	119.2	84.6	61.1
-30°	265.2	250.3	233.0	214.3	197.5	179.5	160.3	138.9	114.6	83.9	61.7
-32.5°	258.3	240.7	224.2	206.9	190.4	173.1	154.5	133.8	110.7	84.2	62.5
-35°	248.9	231.6	215.3	198.8	183.0	166.2	148.1	128.6	107.7	84.3	63.2
-37.5°	239.3	222.6	205.8	190.3	175.5	159.1	141.0	123.1	105.5	84.1	63.5
-40°	228.7	212.5	196.1	182.1	167.6	151.7	133.3	118.0	104.7	83.7	63.5
-42.5°	217.1	201.4	186.9	173.7	159.2	142.8	125.4	112.5	100.7	83.2	63.1
-45°	204.5	190.3	177.6	164.4	150.4	133.4	119.0	106.8	96.2	82.3	62.5
-47.5°	191.8	179.7	167.3	154.5	139.5	124.1	112.2	101.7	91.6	80.9	61.8
-50°	179.8	168.2	156.1	142.7	128.1	116.3	105.5	96.5	86.7	76.6	60.5
-52.5°	166.1	155.7	143.4	130.0	118.4	108.2	99.7	91.1	81.7	72.0	58.8
-55°	151.3	141.6	129.5	118.5	108.8	101.3	93.9	85.3	76.5	67.1	56.5
-57.5°	135.2	126.3	116.7	107.5	100.0	94.2	87.5	79.4	70.6	62.0	53.1
-60°	119.3	112.3	104.2	97.1	91.3	86.4	80.9	72.9	64.3	56.4	48.1
-62.5°	105.3	98.6	92.1	86.6	82.2	78.2	73.7	65.3	57.7	49.8	42.5
-65°	90.0	84.3	79.8	76.4	73.0	69.4	64.4	57.4	50.0	43.0	36.8
-67.5°	73.2	70.5	68.6	66.2	63.2	59.4	54.8	48.3	41.8	36.0	31.3
-70°	58.4	57.4	57.1	55.6	52.8	49.3	44.4	38.5	33.3	29.9	25.7
-72.5°	44.2	44.9	45.6	45.0	43.0	39.4	34.1	29.3	27.0	24.0	20.2
-75°	30.9	33.7	36.3	36.8	33.9	29.8	25.9	22.8	20.7	18.0	16.0
-77.5°	23.5	26.2	28.4	28.6	25.4	22.2	19.1	16.5	15.1	13.9	12.3
-80°	16.6	18.4	19.5	19.4	17.0	14.6	13.1	11.7	11.0	9.9	8.6
-82.5°	10.2	10.9	11.4	11.5	10.4	9.4	8.4	7.5	6.9	6.0	5.5
-85°	4.8	5.0	5.1	5.0	4.5	4.1	4.2	4.1	4.1	3.9	3.7
-87.5°	1.4	1.6	1.8	1.9	2.0	2.1	2.1	2.1	2.0	1.9	1.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	1.3	1.0	0.7	0.4	0.2	0.0
85°	3.4	2.6	2.0	1.4	0.9	0.4	0.0
82.5°	5.0	3.9	3.0	2.1	1.3	0.5	0.0
80°	6.9	5.2	3.9	2.7	1.7	0.7	0.0
77.5°	10.1	6.9	4.9	3.4	2.1	0.9	0.0
75°	13.3	9.2	5.9	4.1	2.5	1.1	0.0
72.5°	16.3	11.5	7.5	4.7	2.9	1.2	0.0
70°	19.5	13.7	9.0	5.4	3.3	1.4	0.0
67.5°	23.8	15.7	10.5	6.4	3.7	1.5	0.0
65°	27.8	18.2	11.9	7.2	4.0	1.7	0.0
62.5°	31.6	20.9	13.2	8.1	4.4	1.9	0.0
60°	35.0	23.5	14.4	8.9	4.7	2.0	0.0
57.5°	38.0	25.8	16.0	9.7	5.2	2.1	0.0
55°	40.5	27.9	17.5	10.4	5.6	2.3	0.0
52.5°	42.6	29.7	18.8	11.0	6.1	2.4	0.0
50°	44.3	30.9	20.0	11.6	6.5	2.5	0.0
47.5°	45.5	31.8	21.0	12.1	6.9	2.6	0.0
45°	46.0	32.3	21.9	12.8	7.4	2.7	0.0
42.5°	46.2	32.6	22.5	13.3	7.8	2.8	0.0
40°	46.0	32.6	22.8	13.9	8.1	2.9	0.0
37.5°	45.5	32.2	22.7	14.7	8.5	3.0	0.0
35°	44.6	31.6	22.4	15.4	8.9	3.1	0.0
32.5°	43.6	30.8	21.9	16.1	9.2	3.1	0.0
30°	42.8	29.7	21.2	16.8	9.5	3.2	0.0
27.5°	41.8	28.5	21.5	17.5	9.8	3.3	0.0
25°	40.5	27.0	21.8	18.2	10.1	3.3	0.0
22.5°	39.0	25.9	22.1	18.8	10.3	3.3	0.0
20°	37.2	26.3	22.3	19.4	10.6	3.4	0.0
17.5°	37.2	26.6	22.5	20.0	10.8	3.4	0.0
15°	38.2	27.0	22.7	20.6	11.0	3.4	0.0
12.5°	39.0	27.2	22.8	21.1	11.1	3.4	0.0
10°	39.7	27.4	22.8	21.6	11.3	3.4	0.0
7.5°	40.2	27.6	22.9	22.0	11.4	3.4	0.0
5°	40.6	27.7	22.9	22.3	11.4	3.4	0.0
2.5°	40.8	27.8	22.9	22.7	11.5	3.3	0.0
0°	40.9	27.8	22.9	22.9	11.5	3.3	0.0
-2.5°	40.8	27.8	22.9	22.7	11.5	3.3	0.0
-5°	40.6	27.7	22.9	22.3	11.4	3.4	0.0
-7.5°	40.2	27.6	22.9	22.0	11.4	3.4	0.0
-10°	39.7	27.4	22.8	21.6	11.3	3.4	0.0
-12.5°	39.0	27.2	22.8	21.1	11.1	3.4	0.0
-15°	38.2	27.0	22.7	20.6	11.0	3.4	0.0
-17.5°	37.2	26.6	22.5	20.0	10.8	3.4	0.0
-20°	37.2	26.3	22.3	19.4	10.6	3.4	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	39.0	25.9	22.1	18.8	10.3	3.3	0.0
-25°	40.5	27.0	21.8	18.2	10.1	3.3	0.0
-27.5°	41.8	28.5	21.5	17.5	9.8	3.3	0.0
-30°	42.8	29.7	21.2	16.8	9.5	3.2	0.0
-32.5°	43.6	30.8	21.9	16.1	9.2	3.1	0.0
-35°	44.6	31.6	22.4	15.4	8.9	3.1	0.0
-37.5°	45.5	32.2	22.7	14.7	8.5	3.0	0.0
-40°	46.0	32.6	22.8	13.9	8.1	2.9	0.0
-42.5°	46.2	32.6	22.5	13.3	7.8	2.8	0.0
-45°	46.0	32.3	21.9	12.8	7.4	2.7	0.0
-47.5°	45.5	31.8	21.0	12.1	6.9	2.6	0.0
-50°	44.3	30.9	20.0	11.6	6.5	2.5	0.0
-52.5°	42.6	29.7	18.8	11.0	6.1	2.4	0.0
-55°	40.5	27.9	17.5	10.4	5.6	2.3	0.0
-57.5°	38.0	25.8	16.0	9.7	5.2	2.1	0.0
-60°	35.0	23.5	14.4	8.9	4.7	2.0	0.0
-62.5°	31.6	20.9	13.2	8.1	4.4	1.9	0.0
-65°	27.8	18.2	11.9	7.2	4.0	1.7	0.0
-67.5°	23.8	15.7	10.5	6.4	3.7	1.5	0.0
-70°	19.5	13.7	9.0	5.4	3.3	1.4	0.0
-72.5°	16.3	11.5	7.5	4.7	2.9	1.2	0.0
-75°	13.3	9.2	5.9	4.1	2.5	1.1	0.0
-77.5°	10.1	6.9	4.9	3.4	2.1	0.9	0.0
-80°	6.9	5.2	3.9	2.7	1.7	0.7	0.0
-82.5°	5.0	3.9	3.0	2.1	1.3	0.5	0.0
-85°	3.4	2.6	2.0	1.4	0.9	0.4	0.0
-87.5°	1.7	1.3	1.0	0.7	0.4	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)