

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: P559001 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-940-U-TSB-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559001 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA4E-940-U-TSB-XX
Description: GALLEON FLOOD, FOUR LIGHT SQUARE, TIGHT SPOT BAFFLE N1
Light Source: (64) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

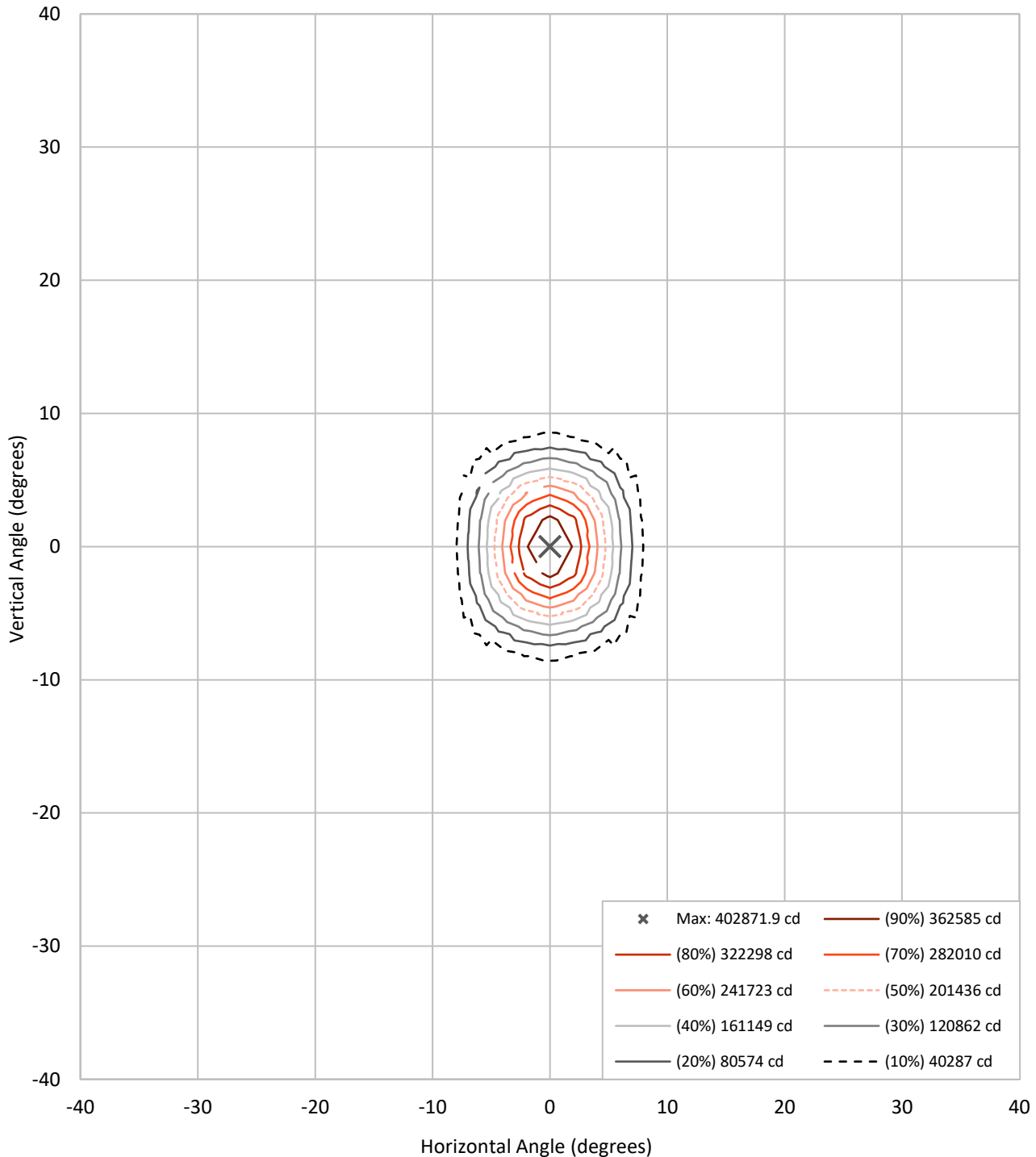
Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	15688.7 lumens	Max Intensity:	402871.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	62.8 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	9.3°H x 10.4°V	Field Angle (10%):	15.7°H x 17.1°V
Beam Lumens:	6724.5 lumens	Field Lumens:	11589.5 lumens
Beam Efficiency:	42.9%	Field Efficiency:	73.9%

Input Watts (W): 250
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





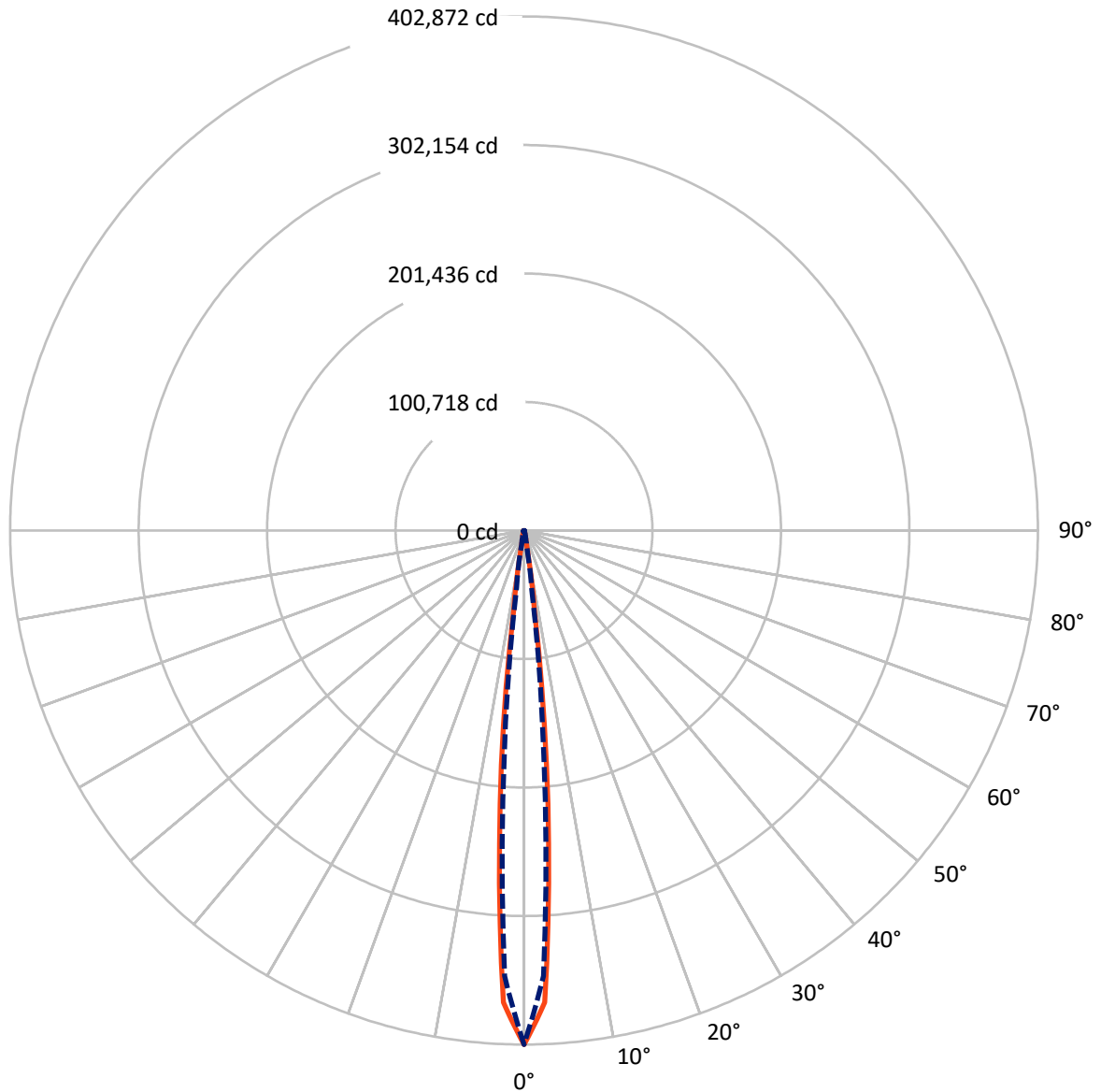
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Lumen Table

90	0.1	0.5		1.6		3.8		6.5		3.8		1.6		0.5		0.1
80	0.1	0.5		1.6		3.8		6.5		3.8		1.6		0.5		0.1
70	0.2	0.3	0.8	1.7	2.7	3.5	5.5	9.7	9.7	5.5	3.5	2.7	1.7	0.8	0.3	0.2
60		0.6	1.6	3.2	5.1	7.0	9.3	12.7	12.7	9.3	7.0	5.1	3.2	1.6	0.6	
50	0.8	1.1	2.5	5.1	8.9	13.3	17.1	20.4	20.4	17.1	13.3	8.9	5.1	2.5	1.1	0.8
40		1.7	3.5	7.6	13.8	18.6	21.0	22.3	22.3	21.0	18.6	13.8	7.6	3.5	1.7	
30	1.6	2.5	4.8	10.8	16.9	20.2	27.5	36.2	36.2	27.5	20.2	16.9	10.8	4.8	2.5	1.6
20		3.4	6.7	13.7	18.7	26.6	53.9	107.7	107.7	53.9	26.6	18.7	13.7	6.7	3.4	
10	1.8	3.9	8.0	15.2	19.4	34.1	106.6	3152.1	3152.1	106.6	34.1	19.4	15.2	8.0	3.9	1.8
0		3.9	8.0	15.2	19.4	34.1	106.6	3152.1	3152.1	106.6	34.1	19.4	15.2	8.0	3.9	
-10	1.6	3.4	6.7	13.7	18.7	26.6	53.9	107.7	107.7	53.9	26.6	18.7	13.7	6.7	3.4	1.6
-20		2.5	4.8	10.8	16.9	20.2	27.5	36.2	36.2	27.5	20.2	16.9	10.8	4.8	2.5	
-30	0.8	1.7	3.5	7.6	13.8	18.6	21.0	22.3	22.3	21.0	18.6	13.8	7.6	3.5	1.7	0.8
-40		1.1	2.5	5.1	8.9	13.3	17.1	20.4	20.4	17.1	13.3	8.9	5.1	2.5	1.1	
-50	0.2	0.6	1.6	3.2	5.1	7.0	9.3	12.7	12.7	9.3	7.0	5.1	3.2	1.6	0.6	0.2
-60		0.3	0.8	1.7	2.7	3.5	5.5	9.7	9.7	5.5	3.5	2.7	1.7	0.8	0.3	
-70	0.1	0.5		1.6		3.8		6.5		3.8		1.6		0.5		0.1
-80		0.5		1.6		3.8		6.5		3.8		1.6		0.5		
-90	0.1	0.5		1.6		3.8		6.5		3.8		1.6		0.5		0.1

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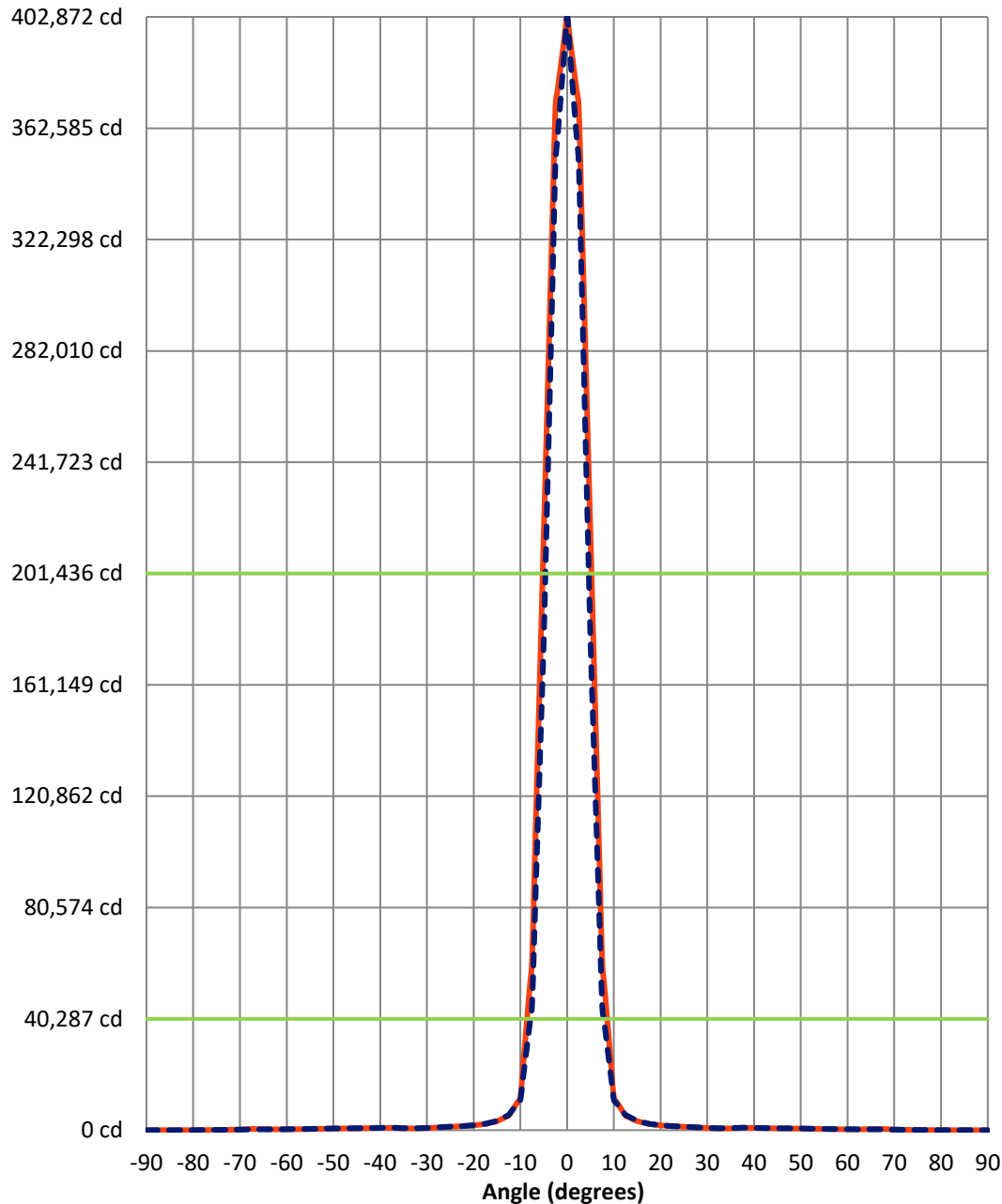
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 9.3°
V Angle: 10.4°
Lumens: 6724.5
Efficiency: 42.9%

Field:
H Angle: 15.7°
V Angle: 17.1°
Lumens: 11589.5
Efficiency: 73.9%

Spill:
Lumens: 4099.2
Efficiency: 26.1%

— 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	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	1.9
85°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.1	3.5	3.9
82.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.1	4.6	4.6	4.6
80°	0.0	0.8	1.6	2.4	3.2	4.0	4.6	4.6	4.6	4.6	4.6
77.5°	0.0	1.0	2.0	3.0	4.0	4.6	4.6	4.6	4.6	4.6	5.1
75°	0.0	1.2	2.4	3.6	4.6	4.6	4.6	4.6	4.8	6.1	7.0
72.5°	0.0	1.4	2.8	4.1	4.6	4.6	4.6	5.1	6.7	8.1	9.1
70°	0.0	1.6	3.1	4.6	4.6	4.6	4.8	7.0	8.7	10.1	12.6
67.5°	0.0	1.8	3.5	4.6	4.6	4.6	6.6	8.9	10.8	13.8	16.4
65°	0.0	1.9	3.9	4.6	4.6	5.4	8.3	10.8	14.2	17.5	21.0
62.5°	0.0	2.1	4.2	4.6	4.6	6.9	10.0	13.5	17.6	21.7	27.0
60°	0.0	2.3	4.6	4.6	4.6	8.4	11.8	16.6	21.1	27.4	33.0
57.5°	0.0	2.5	4.6	4.6	5.8	9.9	14.7	19.8	26.1	33.2	40.0
55°	0.0	2.6	4.7	4.6	7.0	11.4	17.8	23.2	31.4	39.3	47.4
52.5°	0.0	2.8	4.7	4.6	8.2	13.1	21.1	28.3	36.8	46.4	55.0
50°	0.0	3.0	4.8	4.6	9.4	16.0	24.3	33.9	42.6	53.6	64.2
47.5°	0.0	3.1	4.8	4.8	10.6	18.9	28.0	39.6	49.2	60.9	73.9
45°	0.0	3.3	4.9	5.7	11.8	21.8	33.1	45.5	57.0	70.0	83.9
42.5°	0.0	3.4	5.0	6.5	12.9	24.7	38.3	52.2	65.2	79.3	95.7
40°	0.0	3.5	5.0	7.3	14.6	27.6	43.6	59.6	74.2	89.1	108.2
37.5°	0.0	3.6	5.1	8.1	16.8	30.5	48.9	67.1	84.4	101.4	121.1
35°	0.0	3.8	5.2	8.8	19.0	34.3	54.3	74.7	94.8	115.5	133.6
32.5°	0.0	3.9	5.3	9.4	21.2	38.5	59.9	82.5	105.3	130.3	149.4
30°	0.0	4.0	5.4	10.0	23.2	42.6	66.2	90.5	115.8	145.5	167.1
27.5°	0.0	4.1	5.6	10.4	24.6	46.7	72.3	99.2	127.3	161.1	186.7
25°	0.0	4.2	5.7	10.8	25.6	50.6	78.4	107.8	140.1	177.4	207.8
22.5°	0.0	4.2	5.8	11.2	26.5	53.7	84.4	116.2	152.9	194.6	225.7
20°	0.0	4.3	5.9	11.4	27.1	54.8	90.2	124.4	165.7	212.5	243.3
17.5°	0.0	4.4	6.1	11.6	27.4	55.5	93.2	132.4	178.3	230.9	260.5
15°	0.0	4.4	6.2	11.7	27.6	55.8	94.3	138.1	190.6	249.5	277.5
12.5°	0.0	4.5	6.3	11.8	27.6	55.8	95.0	141.0	198.5	268.1	294.1
10°	0.0	4.5	6.4	11.8	27.4	55.3	95.3	143.7	202.5	275.2	305.8
7.5°	0.0	4.6	6.6	11.8	27.1	54.5	95.1	145.9	205.5	279.5	307.9
5°	0.0	4.6	6.7	11.7	26.6	53.4	94.4	147.5	207.5	282.4	309.6
2.5°	0.0	4.6	6.8	11.6	26.0	52.1	93.3	148.6	208.5	284.0	310.9
0°	0.0	4.6	6.9	11.5	25.2	50.4	91.7	149.0	208.6	284.2	311.7
-2.5°	0.0	4.6	6.8	11.6	26.0	52.1	93.3	148.6	208.5	284.0	310.9
-5°	0.0	4.6	6.7	11.7	26.6	53.4	94.4	147.5	207.5	282.4	309.6
-7.5°	0.0	4.6	6.6	11.8	27.1	54.5	95.1	145.9	205.5	279.5	307.9
-10°	0.0	4.5	6.4	11.8	27.4	55.3	95.3	143.7	202.5	275.2	305.8
-12.5°	0.0	4.5	6.3	11.8	27.6	55.8	95.0	141.0	198.5	268.1	294.1
-15°	0.0	4.4	6.2	11.7	27.6	55.8	94.3	138.1	190.6	249.5	277.5
-17.5°	0.0	4.4	6.1	11.6	27.4	55.5	93.2	132.4	178.3	230.9	260.5
-20°	0.0	4.3	5.9	11.4	27.1	54.8	90.2	124.4	165.7	212.5	243.3



REPORT NUMBER: P559001 (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	4.2	5.8	11.2	26.5	53.7	84.4	116.2	152.9	194.6	225.7
-25°	0.0	4.2	5.7	10.8	25.6	50.6	78.4	107.8	140.1	177.4	207.8
-27.5°	0.0	4.1	5.6	10.4	24.6	46.7	72.3	99.2	127.3	161.1	186.7
-30°	0.0	4.0	5.4	10.0	23.2	42.6	66.2	90.5	115.8	145.5	167.1
-32.5°	0.0	3.9	5.3	9.4	21.2	38.5	59.9	82.5	105.3	130.3	149.4
-35°	0.0	3.8	5.2	8.8	19.0	34.3	54.3	74.7	94.8	115.5	133.6
-37.5°	0.0	3.6	5.1	8.1	16.8	30.5	48.9	67.1	84.4	101.4	121.1
-40°	0.0	3.5	5.0	7.3	14.6	27.6	43.6	59.6	74.2	89.1	108.2
-42.5°	0.0	3.4	5.0	6.5	12.9	24.7	38.3	52.2	65.2	79.3	95.7
-45°	0.0	3.3	4.9	5.7	11.8	21.8	33.1	45.5	57.0	70.0	83.9
-47.5°	0.0	3.1	4.8	4.8	10.6	18.9	28.0	39.6	49.2	60.9	73.9
-50°	0.0	3.0	4.8	4.6	9.4	16.0	24.3	33.9	42.6	53.6	64.2
-52.5°	0.0	2.8	4.7	4.6	8.2	13.1	21.1	28.3	36.8	46.4	55.0
-55°	0.0	2.6	4.7	4.6	7.0	11.4	17.8	23.2	31.4	39.3	47.4
-57.5°	0.0	2.5	4.6	4.6	5.8	9.9	14.7	19.8	26.1	33.2	40.0
-60°	0.0	2.3	4.6	4.6	4.6	8.4	11.8	16.6	21.1	27.4	33.0
-62.5°	0.0	2.1	4.2	4.6	4.6	6.9	10.0	13.5	17.6	21.7	27.0
-65°	0.0	1.9	3.9	4.6	4.6	5.4	8.3	10.8	14.2	17.5	21.0
-67.5°	0.0	1.8	3.5	4.6	4.6	4.6	6.6	8.9	10.8	13.8	16.4
-70°	0.0	1.6	3.1	4.6	4.6	4.6	4.8	7.0	8.7	10.1	12.6
-72.5°	0.0	1.4	2.8	4.1	4.6	4.6	4.6	5.1	6.7	8.1	9.1
-75°	0.0	1.2	2.4	3.6	4.6	4.6	4.6	4.6	4.8	6.1	7.0
-77.5°	0.0	1.0	2.0	3.0	4.0	4.6	4.6	4.6	4.6	4.6	5.1
-80°	0.0	0.8	1.6	2.4	3.2	4.0	4.6	4.6	4.6	4.6	4.6
-82.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.1	4.6	4.6	4.6
-85°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.1	3.5	3.9
-87.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	1.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	1.9	1.7	1.5	1.3	1.4	1.5	1.6	1.6	1.7	1.8	1.8
85°	3.7	3.5	3.0	2.7	2.8	3.0	3.1	3.3	3.4	3.5	3.6
82.5°	4.3	4.0	3.9	4.0	4.2	4.4	4.7	5.1	5.6	6.0	6.3
80°	4.5	4.6	5.3	5.9	6.6	7.2	7.8	8.4	8.9	9.8	11.0
77.5°	6.0	6.8	7.7	8.5	9.5	11.3	12.8	14.0	15.6	17.5	19.4
75°	8.0	9.1	11.3	13.8	16.1	17.9	19.6	22.0	25.1	28.5	31.7
72.5°	11.0	13.8	16.8	20.0	23.9	27.1	30.3	33.3	38.2	43.6	47.6
70°	15.1	18.5	23.2	28.5	33.4	37.7	43.9	51.4	59.0	62.8	65.0
67.5°	19.5	25.0	30.8	37.0	43.9	51.0	59.7	67.7	75.4	78.5	81.4
65°	25.3	31.6	38.7	46.3	54.2	62.8	71.7	80.7	88.7	92.8	97.5
62.5°	31.2	38.7	46.9	55.4	64.2	73.5	84.2	93.3	100.1	108.4	118.1
60°	38.4	45.8	55.1	64.6	74.7	87.6	98.4	108.5	117.8	127.2	141.7
57.5°	45.9	53.1	63.4	74.7	88.5	103.2	115.5	126.4	139.2	152.6	167.3
55°	54.1	60.6	72.3	86.1	102.0	119.5	133.9	148.8	163.6	175.6	188.6
52.5°	63.5	69.4	81.6	97.6	116.1	135.7	154.9	170.4	184.2	197.3	212.1
50°	73.4	80.8	90.8	110.0	130.5	152.8	174.5	190.1	205.7	221.2	237.8
47.5°	84.8	93.1	101.5	122.2	145.5	168.3	190.7	210.7	228.0	248.6	267.7
45°	97.3	107.0	116.0	135.3	159.2	182.4	207.3	231.4	255.6	280.0	310.5
42.5°	110.4	121.1	132.5	147.5	171.4	197.1	223.8	255.8	286.6	320.5	360.1
40°	123.2	135.0	148.7	162.2	183.4	212.1	244.6	280.5	324.0	367.9	415.8
37.5°	135.7	149.4	164.1	178.1	196.8	229.0	265.0	310.8	363.2	418.6	479.6
35°	148.0	163.1	178.1	194.6	215.5	246.9	291.3	343.2	406.0	476.1	531.9
32.5°	160.0	176.2	191.5	211.4	237.2	269.4	316.6	382.0	454.4	525.5	562.9
30°	175.1	188.1	204.8	227.2	258.4	299.3	350.5	421.1	503.4	552.0	586.7
27.5°	195.2	199.9	218.7	244.9	280.1	328.7	392.4	465.7	533.9	576.5	607.5
25°	214.9	219.9	231.7	262.7	306.2	363.6	435.1	518.6	559.1	595.1	631.1
22.5°	233.9	239.0	253.9	279.6	331.5	399.0	482.2	555.3	593.8	616.7	655.7
20°	251.6	259.6	277.9	307.7	357.3	432.6	527.8	589.2	625.9	653.4	689.4
17.5°	268.8	279.7	302.2	338.3	393.8	470.3	569.3	623.1	658.9	685.4	730.0
15°	285.3	299.3	325.5	367.0	427.7	510.6	597.0	650.8	689.3	715.5	767.6
12.5°	301.4	318.4	347.9	393.7	458.3	545.9	620.5	668.7	707.2	747.2	801.0
10°	317.0	336.9	369.1	418.4	485.7	576.2	640.1	683.1	721.6	772.5	828.6
7.5°	319.3	346.2	386.5	441.2	510.0	601.9	656.3	694.4	736.1	795.6	853.5
5°	319.4	345.4	387.8	447.1	521.5	617.1	667.6	702.9	750.1	816.3	875.8
2.5°	319.1	343.8	388.1	449.1	524.4	618.6	669.3	705.1	758.2	836.5	896.3
0°	318.6	341.5	387.3	449.2	524.8	616.5	669.2	705.9	763.2	854.9	914.5
-2.5°	319.1	343.8	388.1	449.1	524.4	618.6	669.3	705.1	758.2	836.5	896.3
-5°	319.4	345.4	387.8	447.1	521.5	617.1	667.6	702.9	750.1	816.3	875.8
-7.5°	319.3	346.2	386.5	441.2	510.0	601.9	656.3	694.4	736.1	795.6	853.5
-10°	317.0	336.9	369.1	418.4	485.7	576.2	640.1	683.1	721.6	772.5	828.6
-12.5°	301.4	318.4	347.9	393.7	458.3	545.9	620.5	668.7	707.2	747.2	801.0
-15°	285.3	299.3	325.5	367.0	427.7	510.6	597.0	650.8	689.3	715.5	767.6
-17.5°	268.8	279.7	302.2	338.3	393.8	470.3	569.3	623.1	658.9	685.4	730.0
-20°	251.6	259.6	277.9	307.7	357.3	432.6	527.8	589.2	625.9	653.4	689.4



REPORT NUMBER: P559001 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-940-U-TSB-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	233.9	239.0	253.9	279.6	331.5	399.0	482.2	555.3	593.8	616.7	655.7
-25°	214.9	219.9	231.7	262.7	306.2	363.6	435.1	518.6	559.1	595.1	631.1
-27.5°	195.2	199.9	218.7	244.9	280.1	328.7	392.4	465.7	533.9	576.5	607.5
-30°	175.1	188.1	204.8	227.2	258.4	299.3	350.5	421.1	503.4	552.0	586.7
-32.5°	160.0	176.2	191.5	211.4	237.2	269.4	316.6	382.0	454.4	525.5	562.9
-35°	148.0	163.1	178.1	194.6	215.5	246.9	291.3	343.2	406.0	476.1	531.9
-37.5°	135.7	149.4	164.1	178.1	196.8	229.0	265.0	310.8	363.2	418.6	479.6
-40°	123.2	135.0	148.7	162.2	183.4	212.1	244.6	280.5	324.0	367.9	415.8
-42.5°	110.4	121.1	132.5	147.5	171.4	197.1	223.8	255.8	286.6	320.5	360.1
-45°	97.3	107.0	116.0	135.3	159.2	182.4	207.3	231.4	255.6	280.0	310.5
-47.5°	84.8	93.1	101.5	122.2	145.5	168.3	190.7	210.7	228.0	248.6	267.7
-50°	73.4	80.8	90.8	110.0	130.5	152.8	174.5	190.1	205.7	221.2	237.8
-52.5°	63.5	69.4	81.6	97.6	116.1	135.7	154.9	170.4	184.2	197.3	212.1
-55°	54.1	60.6	72.3	86.1	102.0	119.5	133.9	148.8	163.6	175.6	188.6
-57.5°	45.9	53.1	63.4	74.7	88.5	103.2	115.5	126.4	139.2	152.6	167.3
-60°	38.4	45.8	55.1	64.6	74.7	87.6	98.4	108.5	117.8	127.2	141.7
-62.5°	31.2	38.7	46.9	55.4	64.2	73.5	84.2	93.3	100.1	108.4	118.1
-65°	25.3	31.6	38.7	46.3	54.2	62.8	71.7	80.7	88.7	92.8	97.5
-67.5°	19.5	25.0	30.8	37.0	43.9	51.0	59.7	67.7	75.4	78.5	81.4
-70°	15.1	18.5	23.2	28.5	33.4	37.7	43.9	51.4	59.0	62.8	65.0
-72.5°	11.0	13.8	16.8	20.0	23.9	27.1	30.3	33.3	38.2	43.6	47.6
-75°	8.0	9.1	11.3	13.8	16.1	17.9	19.6	22.0	25.1	28.5	31.7
-77.5°	6.0	6.8	7.7	8.5	9.5	11.3	12.8	14.0	15.6	17.5	19.4
-80°	4.5	4.6	5.3	5.9	6.6	7.2	7.8	8.4	8.9	9.8	11.0
-82.5°	4.3	4.0	3.9	4.0	4.2	4.4	4.7	5.1	5.6	6.0	6.3
-85°	3.7	3.5	3.0	2.7	2.8	3.0	3.1	3.3	3.4	3.5	3.6
-87.5°	1.9	1.7	1.5	1.3	1.4	1.5	1.6	1.6	1.7	1.8	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



REPORT NUMBER: P559001 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-940-U-TSB-XX

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°	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.3
85°	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.5
82.5°	6.7	7.0	7.3	7.6	7.9	8.1	8.4	8.6	8.7	8.9	9.0
80°	12.3	13.2	14.0	14.5	14.9	16.5	18.5	20.7	22.9	23.7	24.2
77.5°	21.8	23.4	24.4	25.2	25.7	29.3	33.9	38.7	43.6	46.2	48.4
75°	34.8	36.7	37.9	38.8	39.4	44.8	52.9	61.5	70.3	74.9	78.2
72.5°	50.3	51.9	53.1	54.2	54.9	63.0	77.7	93.7	110.6	121.0	128.5
70°	67.0	68.8	70.3	71.6	72.5	82.2	103.5	125.8	148.8	171.9	196.4
67.5°	84.7	88.5	90.5	91.7	92.9	101.2	123.9	144.8	164.2	205.9	271.5
65°	104.1	112.9	116.6	118.7	119.5	123.2	142.7	160.1	175.9	208.3	258.4
62.5°	128.8	140.4	145.7	148.1	149.5	149.8	165.6	180.3	193.8	214.0	245.8
60°	155.3	167.9	174.5	176.3	177.5	178.0	190.6	205.1	218.6	235.1	264.7
57.5°	179.6	191.4	201.2	205.1	208.1	210.3	221.4	238.4	254.3	270.9	302.8
55°	202.8	217.1	230.7	238.2	245.2	251.4	262.3	283.9	304.4	323.7	356.8
52.5°	228.2	246.4	264.5	278.1	291.4	303.1	314.9	342.8	370.1	395.9	428.1
50°	258.3	280.9	307.3	329.6	348.6	367.5	384.3	417.3	454.3	489.6	523.4
47.5°	296.6	326.4	360.1	391.8	417.7	446.9	473.3	507.2	540.0	572.7	600.7
45°	343.6	384.9	423.8	465.8	502.8	522.1	537.4	558.5	592.2	624.3	650.5
42.5°	403.8	451.8	499.8	531.0	554.7	570.4	581.5	592.6	627.9	659.0	684.2
40°	470.7	519.0	548.5	574.1	590.6	604.5	622.0	639.2	666.9	698.7	726.8
37.5°	528.7	559.7	585.6	605.7	625.6	644.1	669.3	694.1	720.5	756.1	782.3
35°	564.4	591.6	617.9	643.2	668.6	697.2	728.6	765.1	797.3	768.0	725.5
32.5°	591.6	619.5	651.4	690.3	725.5	764.4	803.7	740.4	675.5	650.1	655.3
30°	615.3	647.7	691.6	742.5	791.2	773.8	687.3	657.0	665.9	683.7	718.0
27.5°	640.8	681.2	734.5	797.1	758.7	662.9	667.9	685.5	744.8	795.2	871.6
25°	670.8	719.6	785.8	756.9	669.1	678.2	722.6	789.6	902.6	1008.1	1100.3
22.5°	707.0	769.2	777.9	669.1	681.1	739.2	829.3	974.4	1111.8	1239.2	1334.3
20°	743.8	815.5	705.3	682.3	733.3	837.0	1004.3	1171.0	1324.3	1438.3	1533.5
17.5°	787.9	762.6	684.5	709.0	812.2	991.3	1179.7	1356.3	1500.9	1697.9	1865.6
15°	826.5	711.6	697.1	777.8	933.0	1134.5	1339.2	1497.9	1759.1	2041.4	2327.1
12.5°	804.3	693.5	719.5	839.0	1043.1	1260.9	1441.9	1693.0	2038.6	2451.1	3070.9
10°	771.5	703.7	767.4	923.7	1137.3	1349.5	1537.5	1866.7	2322.8	3080.4	4056.3
7.5°	746.2	708.0	798.9	988.8	1207.3	1403.0	1653.6	2052.8	2688.6	3727.9	5805.8
5°	727.0	707.9	813.4	1026.4	1248.9	1439.9	1725.2	2188.1	3047.0	4527.8	8078.5
2.5°	718.5	704.2	817.4	1046.6	1269.2	1460.5	1769.8	2285.4	3273.2	5270.8	10622.8
0°	724.2	696.7	815.9	1054.3	1281.1	1457.6	1776.2	2314.8	3341.5	5545.2	10964.2
-2.5°	718.5	704.2	817.4	1046.6	1269.2	1460.5	1769.8	2285.4	3273.2	5270.8	10622.8
-5°	727.0	707.9	813.4	1026.4	1248.9	1439.9	1725.2	2188.1	3047.0	4527.8	8078.5
-7.5°	746.2	708.0	798.9	988.8	1207.3	1403.0	1653.6	2052.8	2688.6	3727.9	5805.8
-10°	771.5	703.7	767.4	923.7	1137.3	1349.5	1537.5	1866.7	2322.8	3080.4	4056.3
-12.5°	804.3	693.5	719.5	839.0	1043.1	1260.9	1441.9	1693.0	2038.6	2451.1	3070.9
-15°	826.5	711.6	697.1	777.8	933.0	1134.5	1339.2	1497.9	1759.1	2041.4	2327.1
-17.5°	787.9	762.6	684.5	709.0	812.2	991.3	1179.7	1356.3	1500.9	1697.9	1865.6
-20°	743.8	815.5	705.3	682.3	733.3	837.0	1004.3	1171.0	1324.3	1438.3	1533.5



REPORT NUMBER: P559001 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-940-U-TSB-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	707.0	769.2	777.9	669.1	681.1	739.2	829.3	974.4	1111.8	1239.2	1334.3
-25°	670.8	719.6	785.8	756.9	669.1	678.2	722.6	789.6	902.6	1008.1	1100.3
-27.5°	640.8	681.2	734.5	797.1	758.7	662.9	667.9	685.5	744.8	795.2	871.6
-30°	615.3	647.7	691.6	742.5	791.2	773.8	687.3	657.0	665.9	683.7	718.0
-32.5°	591.6	619.5	651.4	690.3	725.5	764.4	803.7	740.4	675.5	650.1	655.3
-35°	564.4	591.6	617.9	643.2	668.6	697.2	728.6	765.1	797.3	768.0	725.5
-37.5°	528.7	559.7	585.6	605.7	625.6	644.1	669.3	694.1	720.5	756.1	782.3
-40°	470.7	519.0	548.5	574.1	590.6	604.5	622.0	639.2	666.9	698.7	726.8
-42.5°	403.8	451.8	499.8	531.0	554.7	570.4	581.5	592.6	627.9	659.0	684.2
-45°	343.6	384.9	423.8	465.8	502.8	522.1	537.4	558.5	592.2	624.3	650.5
-47.5°	296.6	326.4	360.1	391.8	417.7	446.9	473.3	507.2	540.0	572.7	600.7
-50°	258.3	280.9	307.3	329.6	348.6	367.5	384.3	417.3	454.3	489.6	523.4
-52.5°	228.2	246.4	264.5	278.1	291.4	303.1	314.9	342.8	370.1	395.9	428.1
-55°	202.8	217.1	230.7	238.2	245.2	251.4	262.3	283.9	304.4	323.7	356.8
-57.5°	179.6	191.4	201.2	205.1	208.1	210.3	221.4	238.4	254.3	270.9	302.8
-60°	155.3	167.9	174.5	176.3	177.5	178.0	190.6	205.1	218.6	235.1	264.7
-62.5°	128.8	140.4	145.7	148.1	149.5	149.8	165.6	180.3	193.8	214.0	245.8
-65°	104.1	112.9	116.6	118.7	119.5	123.2	142.7	160.1	175.9	208.3	258.4
-67.5°	84.7	88.5	90.5	91.7	92.9	101.2	123.9	144.8	164.2	205.9	271.5
-70°	67.0	68.8	70.3	71.6	72.5	82.2	103.5	125.8	148.8	171.9	196.4
-72.5°	50.3	51.9	53.1	54.2	54.9	63.0	77.7	93.7	110.6	121.0	128.5
-75°	34.8	36.7	37.9	38.8	39.4	44.8	52.9	61.5	70.3	74.9	78.2
-77.5°	21.8	23.4	24.4	25.2	25.7	29.3	33.9	38.7	43.6	46.2	48.4
-80°	12.3	13.2	14.0	14.5	14.9	16.5	18.5	20.7	22.9	23.7	24.2
-82.5°	6.7	7.0	7.3	7.6	7.9	8.1	8.4	8.6	8.7	8.9	9.0
-85°	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.5
-87.5°	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.3
-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: P559001 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-940-U-TSB-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°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2
85°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.4	4.4
82.5°	9.1	9.1	9.2	9.2	9.2	9.1	9.1	9.0	8.9	8.7	8.6
80°	24.6	25.0	24.0	22.9	24.0	25.0	24.6	24.2	23.7	22.9	20.7
77.5°	50.3	52.1	50.3	48.1	50.3	52.1	50.3	48.4	46.2	43.6	38.7
75°	81.2	83.9	82.4	80.2	82.4	83.9	81.2	78.2	74.9	70.3	61.5
72.5°	135.7	142.3	140.7	137.5	140.7	142.3	135.7	128.5	121.0	110.6	93.7
70°	222.1	248.2	247.1	240.6	247.1	248.2	222.1	196.4	171.9	148.8	125.8
67.5°	342.5	416.4	439.8	451.5	439.8	416.4	342.5	271.5	205.9	164.2	144.8
65°	305.0	349.6	367.3	380.4	367.3	349.6	305.0	258.4	208.3	175.9	160.1
62.5°	274.3	300.8	306.5	307.1	306.5	300.8	274.3	245.8	214.0	193.8	180.3
60°	293.6	321.7	325.9	320.9	325.9	321.7	293.6	264.7	235.1	218.6	205.1
57.5°	333.4	362.9	368.3	362.1	368.3	362.9	333.4	302.8	270.9	254.3	238.4
55°	388.6	418.3	428.2	426.3	428.2	418.3	388.6	356.8	323.7	304.4	283.9
52.5°	458.9	486.3	497.6	497.3	497.6	486.3	458.9	428.1	395.9	370.1	342.8
50°	552.9	577.4	589.6	591.3	589.6	577.4	552.9	523.4	489.6	454.3	417.3
47.5°	620.7	636.8	645.2	646.3	645.2	636.8	620.7	600.7	572.7	540.0	507.2
45°	662.2	670.9	677.4	683.0	677.4	670.9	662.2	650.5	624.3	592.2	558.5
42.5°	701.2	719.3	732.7	735.7	732.7	719.3	701.2	684.2	659.0	627.9	592.6
40°	753.6	778.5	802.4	827.4	802.4	778.5	753.6	726.8	698.7	666.9	639.2
37.5°	809.5	837.2	860.2	873.2	860.2	837.2	809.5	782.3	756.1	720.5	694.1
35°	695.6	677.5	666.6	662.3	666.6	677.5	695.6	725.5	768.0	797.3	765.1
32.5°	658.3	659.7	657.6	653.2	657.6	659.7	658.3	655.3	650.1	675.5	740.4
30°	743.4	755.5	757.0	756.3	757.0	755.5	743.4	718.0	683.7	665.9	657.0
27.5°	928.1	959.1	968.7	987.8	968.7	959.1	928.1	871.6	795.2	744.8	685.5
25°	1171.7	1218.4	1240.9	1249.1	1240.9	1218.4	1171.7	1100.3	1008.1	902.6	789.6
22.5°	1388.1	1423.8	1444.6	1462.2	1444.6	1423.8	1388.1	1334.3	1239.2	1111.8	974.4
20°	1644.6	1709.7	1739.5	1741.8	1739.5	1709.7	1644.6	1533.5	1438.3	1324.3	1171.0
17.5°	2045.0	2171.8	2235.1	2252.9	2235.1	2171.8	2045.0	1865.6	1697.9	1500.9	1356.3
15°	2676.7	3000.2	3166.6	3245.3	3166.6	3000.2	2676.7	2327.1	2041.4	1759.1	1497.9
12.5°	3707.2	4436.6	5026.4	5248.4	5026.4	4436.6	3707.2	3070.9	2451.1	2038.6	1693.0
10°	5749.1	7927.1	10471.6	11658.7	10471.6	7927.1	5749.1	4056.3	3080.4	2322.8	1866.7
7.5°	11122.2	25823.7	50050.6	61607.5	50050.6	25823.7	11122.2	5805.8	3727.9	2688.6	2052.8
5°	23707.3	102313.1	183229.9	215219.2	183229.9	102313.1	23707.3	8078.5	4527.8	3047.0	2188.1
2.5°	37760.5	167806.8	316624.5	370226.7	316624.5	167806.8	37760.5	10622.8	5270.8	3273.2	2285.4
0°	45116.4	176837.5	349388.0	402871.9	349388.0	176837.5	45116.4	10964.2	5545.2	3341.5	2314.8
-2.5°	37760.5	167806.8	316624.5	370226.7	316624.5	167806.8	37760.5	10622.8	5270.8	3273.2	2285.4
-5°	23707.3	102313.1	183229.9	215219.2	183229.9	102313.1	23707.3	8078.5	4527.8	3047.0	2188.1
-7.5°	11122.2	25823.7	50050.6	61607.5	50050.6	25823.7	11122.2	5805.8	3727.9	2688.6	2052.8
-10°	5749.1	7927.1	10471.6	11658.7	10471.6	7927.1	5749.1	4056.3	3080.4	2322.8	1866.7
-12.5°	3707.2	4436.6	5026.4	5248.4	5026.4	4436.6	3707.2	3070.9	2451.1	2038.6	1693.0
-15°	2676.7	3000.2	3166.6	3245.3	3166.6	3000.2	2676.7	2327.1	2041.4	1759.1	1497.9
-17.5°	2045.0	2171.8	2235.1	2252.9	2235.1	2171.8	2045.0	1865.6	1697.9	1500.9	1356.3
-20°	1644.6	1709.7	1739.5	1741.8	1739.5	1709.7	1644.6	1533.5	1438.3	1324.3	1171.0



REPORT NUMBER: P559001 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-940-U-TSB-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1388.1	1423.8	1444.6	1462.2	1444.6	1423.8	1388.1	1334.3	1239.2	1111.8	974.4
-25°	1171.7	1218.4	1240.9	1249.1	1240.9	1218.4	1171.7	1100.3	1008.1	902.6	789.6
-27.5°	928.1	959.1	968.7	987.8	968.7	959.1	928.1	871.6	795.2	744.8	685.5
-30°	743.4	755.5	757.0	756.3	757.0	755.5	743.4	718.0	683.7	665.9	657.0
-32.5°	658.3	659.7	657.6	653.2	657.6	659.7	658.3	655.3	650.1	675.5	740.4
-35°	695.6	677.5	666.6	662.3	666.6	677.5	695.6	725.5	768.0	797.3	765.1
-37.5°	809.5	837.2	860.2	873.2	860.2	837.2	809.5	782.3	756.1	720.5	694.1
-40°	753.6	778.5	802.4	827.4	802.4	778.5	753.6	726.8	698.7	666.9	639.2
-42.5°	701.2	719.3	732.7	735.7	732.7	719.3	701.2	684.2	659.0	627.9	592.6
-45°	662.2	670.9	677.4	683.0	677.4	670.9	662.2	650.5	624.3	592.2	558.5
-47.5°	620.7	636.8	645.2	646.3	645.2	636.8	620.7	600.7	572.7	540.0	507.2
-50°	552.9	577.4	589.6	591.3	589.6	577.4	552.9	523.4	489.6	454.3	417.3
-52.5°	458.9	486.3	497.6	497.3	497.6	486.3	458.9	428.1	395.9	370.1	342.8
-55°	388.6	418.3	428.2	426.3	428.2	418.3	388.6	356.8	323.7	304.4	283.9
-57.5°	333.4	362.9	368.3	362.1	368.3	362.9	333.4	302.8	270.9	254.3	238.4
-60°	293.6	321.7	325.9	320.9	325.9	321.7	293.6	264.7	235.1	218.6	205.1
-62.5°	274.3	300.8	306.5	307.1	306.5	300.8	274.3	245.8	214.0	193.8	180.3
-65°	305.0	349.6	367.3	380.4	367.3	349.6	305.0	258.4	208.3	175.9	160.1
-67.5°	342.5	416.4	439.8	451.5	439.8	416.4	342.5	271.5	205.9	164.2	144.8
-70°	222.1	248.2	247.1	240.6	247.1	248.2	222.1	196.4	171.9	148.8	125.8
-72.5°	135.7	142.3	140.7	137.5	140.7	142.3	135.7	128.5	121.0	110.6	93.7
-75°	81.2	83.9	82.4	80.2	82.4	83.9	81.2	78.2	74.9	70.3	61.5
-77.5°	50.3	52.1	50.3	48.1	50.3	52.1	50.3	48.4	46.2	43.6	38.7
-80°	24.6	25.0	24.0	22.9	24.0	25.0	24.6	24.2	23.7	22.9	20.7
-82.5°	9.1	9.1	9.2	9.2	9.2	9.1	9.1	9.0	8.9	8.7	8.6
-85°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.4	4.4
-87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2
-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: P559001 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-940-U-TSB-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7	1.6
85°	4.3	4.2	4.2	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3
82.5°	8.4	8.1	7.9	7.6	7.3	7.0	6.7	6.3	6.0	5.6	5.1
80°	18.5	16.5	14.9	14.5	14.0	13.2	12.3	11.0	9.8	8.9	8.4
77.5°	33.9	29.3	25.7	25.2	24.4	23.4	21.8	19.4	17.5	15.6	14.0
75°	52.9	44.8	39.4	38.8	37.9	36.7	34.8	31.7	28.5	25.1	22.0
72.5°	77.7	63.0	54.9	54.2	53.1	51.9	50.3	47.6	43.6	38.2	33.3
70°	103.5	82.2	72.5	71.6	70.3	68.8	67.0	65.0	62.8	59.0	51.4
67.5°	123.9	101.2	92.9	91.7	90.5	88.5	84.7	81.4	78.5	75.4	67.7
65°	142.7	123.2	119.5	118.7	116.6	112.9	104.1	97.5	92.8	88.7	80.7
62.5°	165.6	149.8	149.5	148.1	145.7	140.4	128.8	118.1	108.4	100.1	93.3
60°	190.6	178.0	177.5	176.3	174.5	167.9	155.3	141.7	127.2	117.8	108.5
57.5°	221.4	210.3	208.1	205.1	201.2	191.4	179.6	167.3	152.6	139.2	126.4
55°	262.3	251.4	245.2	238.2	230.7	217.1	202.8	188.6	175.6	163.6	148.8
52.5°	314.9	303.1	291.4	278.1	264.5	246.4	228.2	212.1	197.3	184.2	170.4
50°	384.3	367.5	348.6	329.6	307.3	280.9	258.3	237.8	221.2	205.7	190.1
47.5°	473.3	446.9	417.7	391.8	360.1	326.4	296.6	267.7	248.6	228.0	210.7
45°	537.4	522.1	502.8	465.8	423.8	384.9	343.6	310.5	280.0	255.6	231.4
42.5°	581.5	570.4	554.7	531.0	499.8	451.8	403.8	360.1	320.5	286.6	255.8
40°	622.0	604.5	590.6	574.1	548.5	519.0	470.7	415.8	367.9	324.0	280.5
37.5°	669.3	644.1	625.6	605.7	585.6	559.7	528.7	479.6	418.6	363.2	310.8
35°	728.6	697.2	668.6	643.2	617.9	591.6	564.4	531.9	476.1	406.0	343.2
32.5°	803.7	764.4	725.5	690.3	651.4	619.5	591.6	562.9	525.5	454.4	382.0
30°	687.3	773.8	791.2	742.5	691.6	647.7	615.3	586.7	552.0	503.4	421.1
27.5°	667.9	662.9	758.7	797.1	734.5	681.2	640.8	607.5	576.5	533.9	465.7
25°	722.6	678.2	669.1	756.9	785.8	719.6	670.8	631.1	595.1	559.1	518.6
22.5°	829.3	739.2	681.1	669.1	777.9	769.2	707.0	655.7	616.7	593.8	555.3
20°	1004.3	837.0	733.3	682.3	705.3	815.5	743.8	689.4	653.4	625.9	589.2
17.5°	1179.7	991.3	812.2	709.0	684.5	762.6	787.9	730.0	685.4	658.9	623.1
15°	1339.2	1134.5	933.0	777.8	697.1	711.6	826.5	767.6	715.5	689.3	650.8
12.5°	1441.9	1260.9	1043.1	839.0	719.5	693.5	804.3	801.0	747.2	707.2	668.7
10°	1537.5	1349.5	1137.3	923.7	767.4	703.7	771.5	828.6	772.5	721.6	683.1
7.5°	1653.6	1403.0	1207.3	988.8	798.9	708.0	746.2	853.5	795.6	736.1	694.4
5°	1725.2	1439.9	1248.9	1026.4	813.4	707.9	727.0	875.8	816.3	750.1	702.9
2.5°	1769.8	1460.5	1269.2	1046.6	817.4	704.2	718.5	896.3	836.5	758.2	705.1
0°	1776.2	1457.6	1281.1	1054.3	815.9	696.7	724.2	914.5	854.9	763.2	705.9
-2.5°	1769.8	1460.5	1269.2	1046.6	817.4	704.2	718.5	896.3	836.5	758.2	705.1
-5°	1725.2	1439.9	1248.9	1026.4	813.4	707.9	727.0	875.8	816.3	750.1	702.9
-7.5°	1653.6	1403.0	1207.3	988.8	798.9	708.0	746.2	853.5	795.6	736.1	694.4
-10°	1537.5	1349.5	1137.3	923.7	767.4	703.7	771.5	828.6	772.5	721.6	683.1
-12.5°	1441.9	1260.9	1043.1	839.0	719.5	693.5	804.3	801.0	747.2	707.2	668.7
-15°	1339.2	1134.5	933.0	777.8	697.1	711.6	826.5	767.6	715.5	689.3	650.8
-17.5°	1179.7	991.3	812.2	709.0	684.5	762.6	787.9	730.0	685.4	658.9	623.1
-20°	1004.3	837.0	733.3	682.3	705.3	815.5	743.8	689.4	653.4	625.9	589.2



REPORT NUMBER: P559001 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-940-U-TSB-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	829.3	739.2	681.1	669.1	777.9	769.2	707.0	655.7	616.7	593.8	555.3
-25°	722.6	678.2	669.1	756.9	785.8	719.6	670.8	631.1	595.1	559.1	518.6
-27.5°	667.9	662.9	758.7	797.1	734.5	681.2	640.8	607.5	576.5	533.9	465.7
-30°	687.3	773.8	791.2	742.5	691.6	647.7	615.3	586.7	552.0	503.4	421.1
-32.5°	803.7	764.4	725.5	690.3	651.4	619.5	591.6	562.9	525.5	454.4	382.0
-35°	728.6	697.2	668.6	643.2	617.9	591.6	564.4	531.9	476.1	406.0	343.2
-37.5°	669.3	644.1	625.6	605.7	585.6	559.7	528.7	479.6	418.6	363.2	310.8
-40°	622.0	604.5	590.6	574.1	548.5	519.0	470.7	415.8	367.9	324.0	280.5
-42.5°	581.5	570.4	554.7	531.0	499.8	451.8	403.8	360.1	320.5	286.6	255.8
-45°	537.4	522.1	502.8	465.8	423.8	384.9	343.6	310.5	280.0	255.6	231.4
-47.5°	473.3	446.9	417.7	391.8	360.1	326.4	296.6	267.7	248.6	228.0	210.7
-50°	384.3	367.5	348.6	329.6	307.3	280.9	258.3	237.8	221.2	205.7	190.1
-52.5°	314.9	303.1	291.4	278.1	264.5	246.4	228.2	212.1	197.3	184.2	170.4
-55°	262.3	251.4	245.2	238.2	230.7	217.1	202.8	188.6	175.6	163.6	148.8
-57.5°	221.4	210.3	208.1	205.1	201.2	191.4	179.6	167.3	152.6	139.2	126.4
-60°	190.6	178.0	177.5	176.3	174.5	167.9	155.3	141.7	127.2	117.8	108.5
-62.5°	165.6	149.8	149.5	148.1	145.7	140.4	128.8	118.1	108.4	100.1	93.3
-65°	142.7	123.2	119.5	118.7	116.6	112.9	104.1	97.5	92.8	88.7	80.7
-67.5°	123.9	101.2	92.9	91.7	90.5	88.5	84.7	81.4	78.5	75.4	67.7
-70°	103.5	82.2	72.5	71.6	70.3	68.8	67.0	65.0	62.8	59.0	51.4
-72.5°	77.7	63.0	54.9	54.2	53.1	51.9	50.3	47.6	43.6	38.2	33.3
-75°	52.9	44.8	39.4	38.8	37.9	36.7	34.8	31.7	28.5	25.1	22.0
-77.5°	33.9	29.3	25.7	25.2	24.4	23.4	21.8	19.4	17.5	15.6	14.0
-80°	18.5	16.5	14.9	14.5	14.0	13.2	12.3	11.0	9.8	8.9	8.4
-82.5°	8.4	8.1	7.9	7.6	7.3	7.0	6.7	6.3	6.0	5.6	5.1
-85°	4.3	4.2	4.2	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3
-87.5°	2.2	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7	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: P559001 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-940-U-TSB-XX

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°	1.6	1.5	1.4	1.3	1.5	1.7	1.9	1.9	1.8	1.6	1.4
85°	3.1	3.0	2.8	2.7	3.0	3.5	3.7	3.9	3.5	3.1	2.8
82.5°	4.7	4.4	4.2	4.0	3.9	4.0	4.3	4.6	4.6	4.6	4.1
80°	7.8	7.2	6.6	5.9	5.3	4.6	4.5	4.6	4.6	4.6	4.6
77.5°	12.8	11.3	9.5	8.5	7.7	6.8	6.0	5.1	4.6	4.6	4.6
75°	19.6	17.9	16.1	13.8	11.3	9.1	8.0	7.0	6.1	4.8	4.6
72.5°	30.3	27.1	23.9	20.0	16.8	13.8	11.0	9.1	8.1	6.7	5.1
70°	43.9	37.7	33.4	28.5	23.2	18.5	15.1	12.6	10.1	8.7	7.0
67.5°	59.7	51.0	43.9	37.0	30.8	25.0	19.5	16.4	13.8	10.8	8.9
65°	71.7	62.8	54.2	46.3	38.7	31.6	25.3	21.0	17.5	14.2	10.8
62.5°	84.2	73.5	64.2	55.4	46.9	38.7	31.2	27.0	21.7	17.6	13.5
60°	98.4	87.6	74.7	64.6	55.1	45.8	38.4	33.0	27.4	21.1	16.6
57.5°	115.5	103.2	88.5	74.7	63.4	53.1	45.9	40.0	33.2	26.1	19.8
55°	133.9	119.5	102.0	86.1	72.3	60.6	54.1	47.4	39.3	31.4	23.2
52.5°	154.9	135.7	116.1	97.6	81.6	69.4	63.5	55.0	46.4	36.8	28.3
50°	174.5	152.8	130.5	110.0	90.8	80.8	73.4	64.2	53.6	42.6	33.9
47.5°	190.7	168.3	145.5	122.2	101.5	93.1	84.8	73.9	60.9	49.2	39.6
45°	207.3	182.4	159.2	135.3	116.0	107.0	97.3	83.9	70.0	57.0	45.5
42.5°	223.8	197.1	171.4	147.5	132.5	121.1	110.4	95.7	79.3	65.2	52.2
40°	244.6	212.1	183.4	162.2	148.7	135.0	123.2	108.2	89.1	74.2	59.6
37.5°	265.0	229.0	196.8	178.1	164.1	149.4	135.7	121.1	101.4	84.4	67.1
35°	291.3	246.9	215.5	194.6	178.1	163.1	148.0	133.6	115.5	94.8	74.7
32.5°	316.6	269.4	237.2	211.4	191.5	176.2	160.0	149.4	130.3	105.3	82.5
30°	350.5	299.3	258.4	227.2	204.8	188.1	175.1	167.1	145.5	115.8	90.5
27.5°	392.4	328.7	280.1	244.9	218.7	199.9	195.2	186.7	161.1	127.3	99.2
25°	435.1	363.6	306.2	262.7	231.7	219.9	214.9	207.8	177.4	140.1	107.8
22.5°	482.2	399.0	331.5	279.6	253.9	239.0	233.9	225.7	194.6	152.9	116.2
20°	527.8	432.6	357.3	307.7	277.9	259.6	251.6	243.3	212.5	165.7	124.4
17.5°	569.3	470.3	393.8	338.3	302.2	279.7	268.8	260.5	230.9	178.3	132.4
15°	597.0	510.6	427.7	367.0	325.5	299.3	285.3	277.5	249.5	190.6	138.1
12.5°	620.5	545.9	458.3	393.7	347.9	318.4	301.4	294.1	268.1	198.5	141.0
10°	640.1	576.2	485.7	418.4	369.1	336.9	317.0	305.8	275.2	202.5	143.7
7.5°	656.3	601.9	510.0	441.2	386.5	346.2	319.3	307.9	279.5	205.5	145.9
5°	667.6	617.1	521.5	447.1	387.8	345.4	319.4	309.6	282.4	207.5	147.5
2.5°	669.3	618.6	524.4	449.1	388.1	343.8	319.1	310.9	284.0	208.5	148.6
0°	669.2	616.5	524.8	449.2	387.3	341.5	318.6	311.7	284.2	208.6	149.0
-2.5°	669.3	618.6	524.4	449.1	388.1	343.8	319.1	310.9	284.0	208.5	148.6
-5°	667.6	617.1	521.5	447.1	387.8	345.4	319.4	309.6	282.4	207.5	147.5
-7.5°	656.3	601.9	510.0	441.2	386.5	346.2	319.3	307.9	279.5	205.5	145.9
-10°	640.1	576.2	485.7	418.4	369.1	336.9	317.0	305.8	275.2	202.5	143.7
-12.5°	620.5	545.9	458.3	393.7	347.9	318.4	301.4	294.1	268.1	198.5	141.0
-15°	597.0	510.6	427.7	367.0	325.5	299.3	285.3	277.5	249.5	190.6	138.1
-17.5°	569.3	470.3	393.8	338.3	302.2	279.7	268.8	260.5	230.9	178.3	132.4
-20°	527.8	432.6	357.3	307.7	277.9	259.6	251.6	243.3	212.5	165.7	124.4



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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°	482.2	399.0	331.5	279.6	253.9	239.0	233.9	225.7	194.6	152.9	116.2
-25°	435.1	363.6	306.2	262.7	231.7	219.9	214.9	207.8	177.4	140.1	107.8
-27.5°	392.4	328.7	280.1	244.9	218.7	199.9	195.2	186.7	161.1	127.3	99.2
-30°	350.5	299.3	258.4	227.2	204.8	188.1	175.1	167.1	145.5	115.8	90.5
-32.5°	316.6	269.4	237.2	211.4	191.5	176.2	160.0	149.4	130.3	105.3	82.5
-35°	291.3	246.9	215.5	194.6	178.1	163.1	148.0	133.6	115.5	94.8	74.7
-37.5°	265.0	229.0	196.8	178.1	164.1	149.4	135.7	121.1	101.4	84.4	67.1
-40°	244.6	212.1	183.4	162.2	148.7	135.0	123.2	108.2	89.1	74.2	59.6
-42.5°	223.8	197.1	171.4	147.5	132.5	121.1	110.4	95.7	79.3	65.2	52.2
-45°	207.3	182.4	159.2	135.3	116.0	107.0	97.3	83.9	70.0	57.0	45.5
-47.5°	190.7	168.3	145.5	122.2	101.5	93.1	84.8	73.9	60.9	49.2	39.6
-50°	174.5	152.8	130.5	110.0	90.8	80.8	73.4	64.2	53.6	42.6	33.9
-52.5°	154.9	135.7	116.1	97.6	81.6	69.4	63.5	55.0	46.4	36.8	28.3
-55°	133.9	119.5	102.0	86.1	72.3	60.6	54.1	47.4	39.3	31.4	23.2
-57.5°	115.5	103.2	88.5	74.7	63.4	53.1	45.9	40.0	33.2	26.1	19.8
-60°	98.4	87.6	74.7	64.6	55.1	45.8	38.4	33.0	27.4	21.1	16.6
-62.5°	84.2	73.5	64.2	55.4	46.9	38.7	31.2	27.0	21.7	17.6	13.5
-65°	71.7	62.8	54.2	46.3	38.7	31.6	25.3	21.0	17.5	14.2	10.8
-67.5°	59.7	51.0	43.9	37.0	30.8	25.0	19.5	16.4	13.8	10.8	8.9
-70°	43.9	37.7	33.4	28.5	23.2	18.5	15.1	12.6	10.1	8.7	7.0
-72.5°	30.3	27.1	23.9	20.0	16.8	13.8	11.0	9.1	8.1	6.7	5.1
-75°	19.6	17.9	16.1	13.8	11.3	9.1	8.0	7.0	6.1	4.8	4.6
-77.5°	12.8	11.3	9.5	8.5	7.7	6.8	6.0	5.1	4.6	4.6	4.6
-80°	7.8	7.2	6.6	5.9	5.3	4.6	4.5	4.6	4.6	4.6	4.6
-82.5°	4.7	4.4	4.2	4.0	3.9	4.0	4.3	4.6	4.6	4.6	4.1
-85°	3.1	3.0	2.8	2.7	3.0	3.5	3.7	3.9	3.5	3.1	2.8
-87.5°	1.6	1.5	1.4	1.3	1.5	1.7	1.9	1.9	1.8	1.6	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



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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°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
85°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
82.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
80°	4.6	4.0	3.2	2.4	1.6	0.8	0.0
77.5°	4.6	4.6	4.0	3.0	2.0	1.0	0.0
75°	4.6	4.6	4.6	3.6	2.4	1.2	0.0
72.5°	4.6	4.6	4.6	4.1	2.8	1.4	0.0
70°	4.8	4.6	4.6	4.6	3.1	1.6	0.0
67.5°	6.6	4.6	4.6	4.6	3.5	1.8	0.0
65°	8.3	5.4	4.6	4.6	3.9	1.9	0.0
62.5°	10.0	6.9	4.6	4.6	4.2	2.1	0.0
60°	11.8	8.4	4.6	4.6	4.6	2.3	0.0
57.5°	14.7	9.9	5.8	4.6	4.6	2.5	0.0
55°	17.8	11.4	7.0	4.6	4.7	2.6	0.0
52.5°	21.1	13.1	8.2	4.6	4.7	2.8	0.0
50°	24.3	16.0	9.4	4.6	4.8	3.0	0.0
47.5°	28.0	18.9	10.6	4.8	4.8	3.1	0.0
45°	33.1	21.8	11.8	5.7	4.9	3.3	0.0
42.5°	38.3	24.7	12.9	6.5	5.0	3.4	0.0
40°	43.6	27.6	14.6	7.3	5.0	3.5	0.0
37.5°	48.9	30.5	16.8	8.1	5.1	3.6	0.0
35°	54.3	34.3	19.0	8.8	5.2	3.8	0.0
32.5°	59.9	38.5	21.2	9.4	5.3	3.9	0.0
30°	66.2	42.6	23.2	10.0	5.4	4.0	0.0
27.5°	72.3	46.7	24.6	10.4	5.6	4.1	0.0
25°	78.4	50.6	25.6	10.8	5.7	4.2	0.0
22.5°	84.4	53.7	26.5	11.2	5.8	4.2	0.0
20°	90.2	54.8	27.1	11.4	5.9	4.3	0.0
17.5°	93.2	55.5	27.4	11.6	6.1	4.4	0.0
15°	94.3	55.8	27.6	11.7	6.2	4.4	0.0
12.5°	95.0	55.8	27.6	11.8	6.3	4.5	0.0
10°	95.3	55.3	27.4	11.8	6.4	4.5	0.0
7.5°	95.1	54.5	27.1	11.8	6.6	4.6	0.0
5°	94.4	53.4	26.6	11.7	6.7	4.6	0.0
2.5°	93.3	52.1	26.0	11.6	6.8	4.6	0.0
0°	91.7	50.4	25.2	11.5	6.9	4.6	0.0
-2.5°	93.3	52.1	26.0	11.6	6.8	4.6	0.0
-5°	94.4	53.4	26.6	11.7	6.7	4.6	0.0
-7.5°	95.1	54.5	27.1	11.8	6.6	4.6	0.0
-10°	95.3	55.3	27.4	11.8	6.4	4.5	0.0
-12.5°	95.0	55.8	27.6	11.8	6.3	4.5	0.0
-15°	94.3	55.8	27.6	11.7	6.2	4.4	0.0
-17.5°	93.2	55.5	27.4	11.6	6.1	4.4	0.0
-20°	90.2	54.8	27.1	11.4	5.9	4.3	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	84.4	53.7	26.5	11.2	5.8	4.2	0.0
-25°	78.4	50.6	25.6	10.8	5.7	4.2	0.0
-27.5°	72.3	46.7	24.6	10.4	5.6	4.1	0.0
-30°	66.2	42.6	23.2	10.0	5.4	4.0	0.0
-32.5°	59.9	38.5	21.2	9.4	5.3	3.9	0.0
-35°	54.3	34.3	19.0	8.8	5.2	3.8	0.0
-37.5°	48.9	30.5	16.8	8.1	5.1	3.6	0.0
-40°	43.6	27.6	14.6	7.3	5.0	3.5	0.0
-42.5°	38.3	24.7	12.9	6.5	5.0	3.4	0.0
-45°	33.1	21.8	11.8	5.7	4.9	3.3	0.0
-47.5°	28.0	18.9	10.6	4.8	4.8	3.1	0.0
-50°	24.3	16.0	9.4	4.6	4.8	3.0	0.0
-52.5°	21.1	13.1	8.2	4.6	4.7	2.8	0.0
-55°	17.8	11.4	7.0	4.6	4.7	2.6	0.0
-57.5°	14.7	9.9	5.8	4.6	4.6	2.5	0.0
-60°	11.8	8.4	4.6	4.6	4.6	2.3	0.0
-62.5°	10.0	6.9	4.6	4.6	4.2	2.1	0.0
-65°	8.3	5.4	4.6	4.6	3.9	1.9	0.0
-67.5°	6.6	4.6	4.6	4.6	3.5	1.8	0.0
-70°	4.8	4.6	4.6	4.6	3.1	1.6	0.0
-72.5°	4.6	4.6	4.6	4.1	2.8	1.4	0.0
-75°	4.6	4.6	4.6	3.6	2.4	1.2	0.0
-77.5°	4.6	4.6	4.0	3.0	2.0	1.0	0.0
-80°	4.6	4.0	3.2	2.4	1.6	0.8	0.0
-82.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-85°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
-87.5°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)