

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: P559097 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-940-U-TSB-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559097 (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-SA5D-940-U-TSB-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, TIGHT SPOT BAFFLE N1
Light Source: (80) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

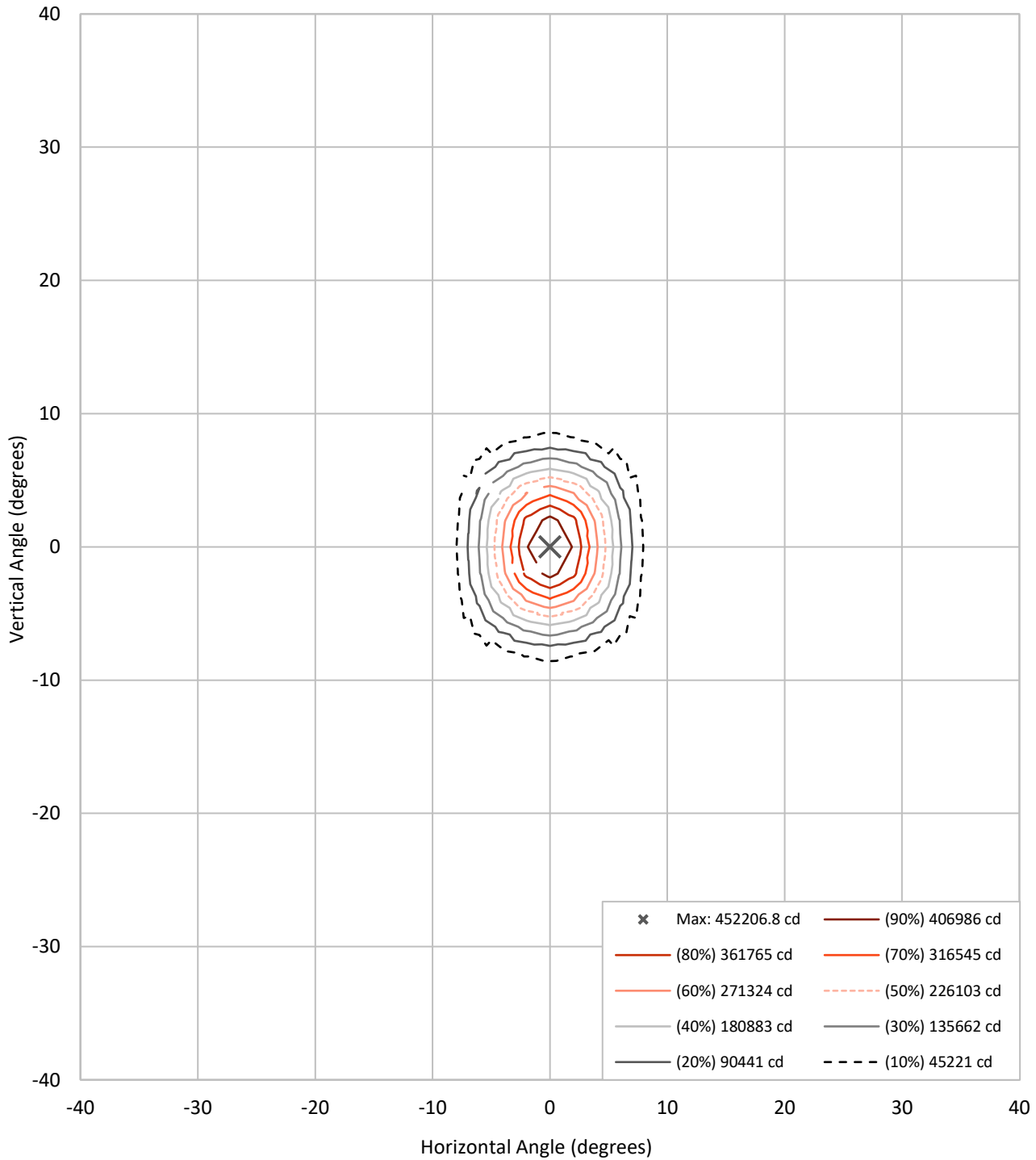
Lumens per Lamp:	N/A	NEMA Type:	1H x 1V
Luminaire Lumens:	17609.9 lumens	Max Intensity:	452206.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	66.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	9.3°H x 10.4°V	Field Angle (10%):	15.7°H x 17.1°V
Beam Lumens:	7547.9 lumens	Field Lumens:	13008.7 lumens
Beam Efficiency:	42.9%	Field Efficiency:	73.9%

Input Watts (W): 266
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





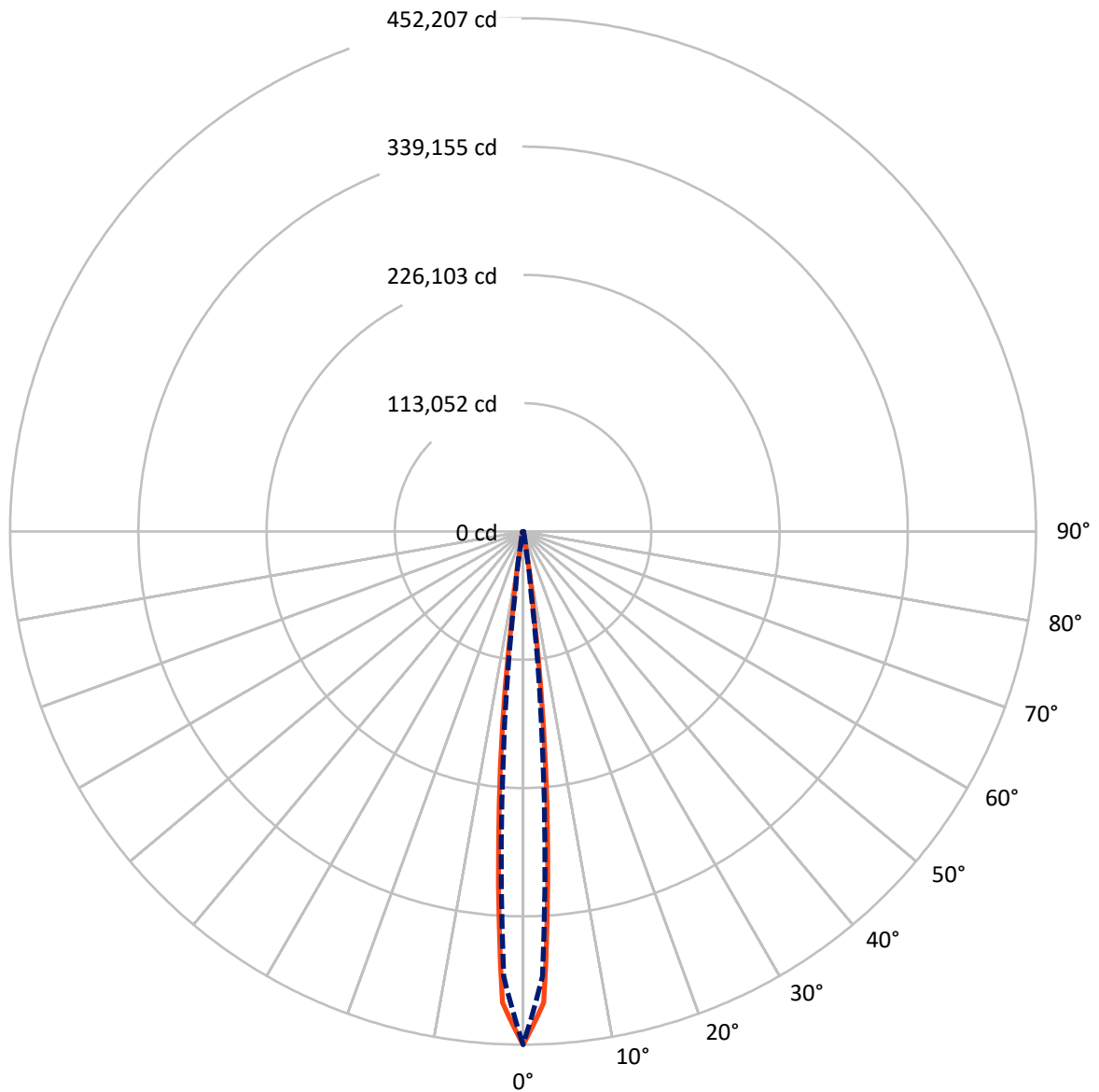
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Lumen Table

90	0.1	0.5		1.8		4.3		7.3		4.3		1.8		0.5		0.1			
80	0.1	0.5		1.8		4.3		7.3		4.3		1.8		0.5		0.1			
70	0.3	0.3	0.9	1.9	3.0	3.9	6.2	10.9	10.9	6.2	3.9	3.0	1.9	0.9	0.3	0.3			
60		0.7	1.7	3.6	5.7	7.8	10.5	14.2	14.2	10.5	7.8	5.7	3.6	1.7	0.7				
50	0.9	1.2	2.8	5.7	9.9	14.9	19.2	22.9	22.9	19.2	14.9	9.9	5.7	2.8	1.2	0.9			
40		1.9	3.9	8.6	15.5	20.8	23.6	25.0	25.0	23.6	20.8	15.5	8.6	3.9	1.9				
30	1.8	2.8	5.4	12.1	19.0	22.7	30.9	40.6	40.6	30.9	22.7	19.0	12.1	5.4	2.8	1.8			
20		3.8	7.5	15.3	21.0	29.8	60.5	120.9	120.9	60.5	29.8	21.0	15.3	7.5	3.8				
10	2.1	4.3	9.0	17.1	21.8	38.3	119.6	3538.1	3538.1	119.6	38.3	21.8	17.1	9.0	4.3	2.1			
0		4.3	9.0	17.1	21.8	38.3	119.6	3538.1	3538.1	119.6	38.3	21.8	17.1	9.0	4.3				
-10	1.8	3.8	7.5	15.3	21.0	29.8	60.5	120.9	120.9	60.5	29.8	21.0	15.3	7.5	3.8	1.8			
-20		2.8	5.4	12.1	19.0	22.7	30.9	40.6	40.6	30.9	22.7	19.0	12.1	5.4	2.8				
-30	0.9	1.9	3.9	8.6	15.5	20.8	23.6	25.0	25.0	23.6	20.8	15.5	8.6	3.9	1.9	0.9			
-40		1.2	2.8	5.7	9.9	14.9	19.2	22.9	22.9	19.2	14.9	9.9	5.7	2.8	1.2				
-50	0.3	0.7	1.7	3.6	5.7	7.8	10.5	14.2	14.2	10.5	7.8	5.7	3.6	1.7	0.7	0.3			
-60		0.3	0.9	1.9	3.0	3.9	6.2	10.9	10.9	6.2	3.9	3.0	1.9	0.9	0.3				
-70	0.1	0.5		1.8		4.3		7.3		4.3		1.8		0.5		0.1			
-80		0.5		1.8		4.3		7.3		4.3		1.8		0.5					
-90	0.1	0.5		1.8		4.3		7.3		4.3		1.8		0.5		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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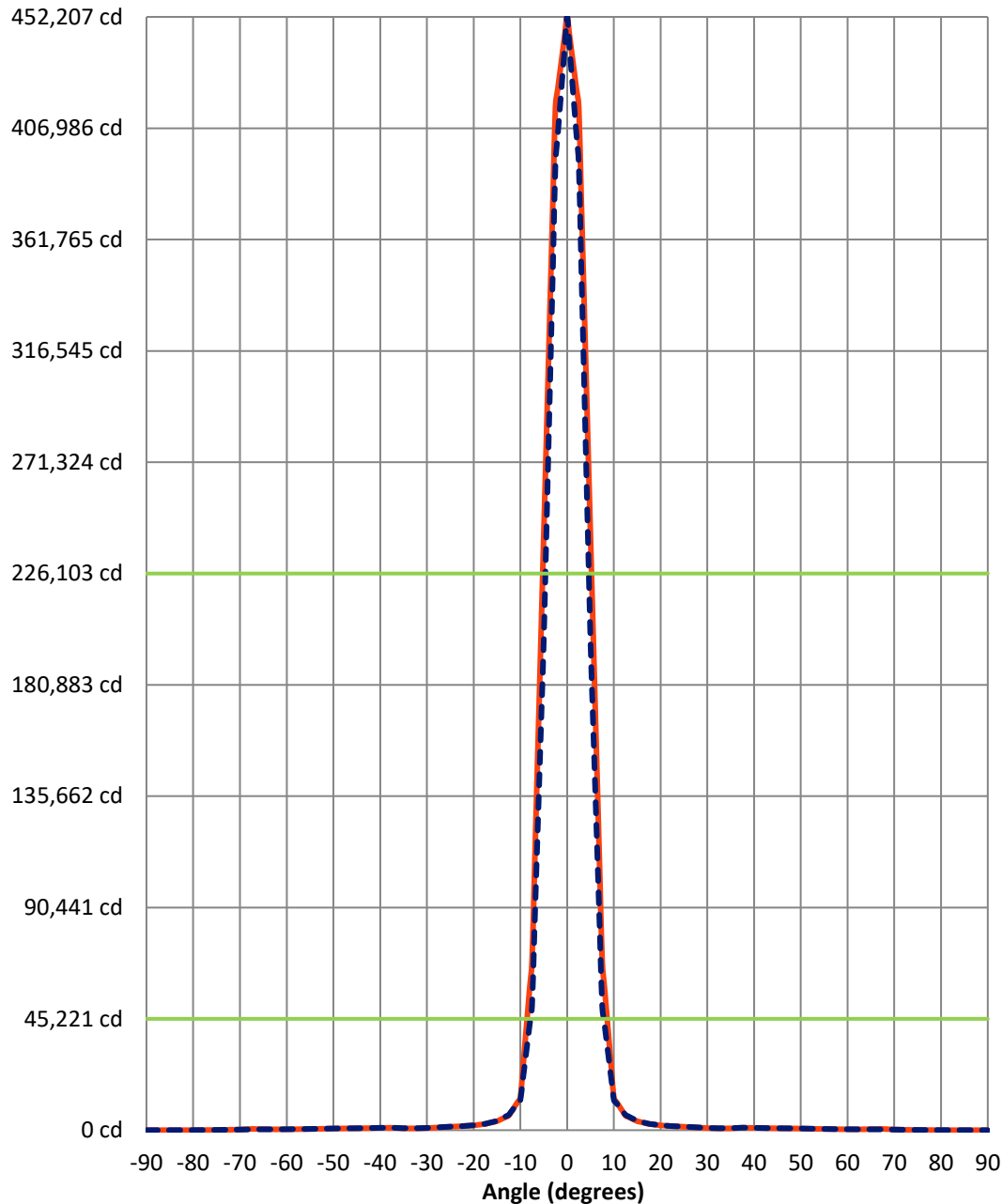
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 9.3°
 V Angle: 10.4°
 Lumens: 7547.9
 Efficiency: 42.9%

Field:
 H Angle: 15.7°
 V Angle: 17.1°
 Lumens: 13008.7
 Efficiency: 73.9%

Spill:
 Lumens: 4601.1
 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	0.7	0.9	1.1	1.3	1.5	1.7	2.0	2.2
85°	0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.5	3.9	4.3
82.5°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.6	5.1	5.1	5.1
80°	0.0	0.9	1.8	2.6	3.5	4.4	5.1	5.1	5.1	5.1	5.1
77.5°	0.0	1.1	2.2	3.3	4.4	5.1	5.1	5.1	5.1	5.1	5.6
75°	0.0	1.3	2.6	3.9	5.1	5.1	5.1	5.1	5.3	6.8	7.9
72.5°	0.0	1.5	3.1	4.6	5.1	5.1	5.1	5.7	7.5	9.0	10.1
70°	0.0	1.7	3.5	5.1	5.1	5.1	5.4	7.8	9.8	11.4	14.1
67.5°	0.0	2.0	3.9	5.1	5.1	5.1	7.3	9.9	12.1	15.5	18.5
65°	0.0	2.2	4.3	5.1	5.1	6.0	9.3	12.1	15.9	19.7	23.6
62.5°	0.0	2.4	4.7	5.1	5.1	7.7	11.2	15.2	19.8	24.3	30.3
60°	0.0	2.5	5.1	5.1	5.1	9.4	13.2	18.7	23.7	30.8	37.1
57.5°	0.0	2.7	5.1	5.1	6.4	11.1	16.5	22.2	29.2	37.2	44.8
55°	0.0	2.9	5.2	5.1	7.8	12.8	20.0	26.0	35.3	44.1	53.1
52.5°	0.0	3.1	5.2	5.1	9.2	14.7	23.6	31.8	41.3	52.0	61.7
50°	0.0	3.3	5.3	5.1	10.5	17.9	27.3	38.0	47.7	60.1	72.0
47.5°	0.0	3.4	5.3	5.3	11.8	21.1	31.4	44.4	55.1	68.3	82.9
45°	0.0	3.6	5.4	6.3	13.1	24.4	37.1	51.0	63.9	78.5	94.1
42.5°	0.0	3.8	5.5	7.2	14.4	27.7	43.0	58.6	73.1	89.0	107.4
40°	0.0	3.9	5.6	8.2	16.3	30.9	48.9	66.8	83.2	100.0	121.5
37.5°	0.0	4.0	5.7	9.0	18.8	34.2	54.9	75.3	94.7	113.8	136.0
35°	0.0	4.2	5.8	9.8	21.3	38.5	60.9	83.9	106.4	129.7	150.0
32.5°	0.0	4.3	5.9	10.5	23.7	43.2	67.2	92.6	118.2	146.2	167.7
30°	0.0	4.4	6.0	11.1	26.0	47.8	74.2	101.6	130.0	163.3	187.6
27.5°	0.0	4.5	6.2	11.7	27.6	52.3	81.1	111.3	142.8	180.9	209.6
25°	0.0	4.6	6.3	12.1	28.7	56.8	88.0	120.9	157.2	199.1	233.2
22.5°	0.0	4.7	6.5	12.5	29.7	60.2	94.7	130.4	171.6	218.4	253.3
20°	0.0	4.8	6.6	12.8	30.3	61.5	101.2	139.6	186.0	238.5	273.1
17.5°	0.0	4.9	6.7	13.0	30.8	62.3	104.6	148.5	200.1	259.1	292.5
15°	0.0	4.9	6.9	13.1	31.0	62.7	105.9	154.9	213.9	280.0	311.5
12.5°	0.0	5.0	7.0	13.2	31.0	62.6	106.6	158.3	222.8	300.9	330.1
10°	0.0	5.0	7.2	13.3	30.8	62.1	106.9	161.2	227.3	308.9	343.3
7.5°	0.0	5.1	7.3	13.2	30.4	61.2	106.7	163.7	230.6	313.7	345.6
5°	0.0	5.1	7.5	13.2	29.9	60.0	106.0	165.6	232.9	317.0	347.5
2.5°	0.0	5.1	7.6	13.0	29.1	58.5	104.7	166.8	234.0	318.8	349.0
0°	0.0	5.1	7.7	12.9	28.3	56.6	102.9	167.2	234.1	319.0	349.9
-2.5°	0.0	5.1	7.6	13.0	29.1	58.5	104.7	166.8	234.0	318.8	349.0
-5°	0.0	5.1	7.5	13.2	29.9	60.0	106.0	165.6	232.9	317.0	347.5
-7.5°	0.0	5.1	7.3	13.2	30.4	61.2	106.7	163.7	230.6	313.7	345.6
-10°	0.0	5.0	7.2	13.3	30.8	62.1	106.9	161.2	227.3	308.9	343.3
-12.5°	0.0	5.0	7.0	13.2	31.0	62.6	106.6	158.3	222.8	300.9	330.1
-15°	0.0	4.9	6.9	13.1	31.0	62.7	105.9	154.9	213.9	280.0	311.5
-17.5°	0.0	4.9	6.7	13.0	30.8	62.3	104.6	148.5	200.1	259.1	292.5
-20°	0.0	4.8	6.6	12.8	30.3	61.5	101.2	139.6	186.0	238.5	273.1



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 CATALOG NUMBER: GFLD-SA5D-940-U-TSB-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	4.7	6.5	12.5	29.7	60.2	94.7	130.4	171.6	218.4	253.3
-25°	0.0	4.6	6.3	12.1	28.7	56.8	88.0	120.9	157.2	199.1	233.2
-27.5°	0.0	4.5	6.2	11.7	27.6	52.3	81.1	111.3	142.8	180.9	209.6
-30°	0.0	4.4	6.0	11.1	26.0	47.8	74.2	101.6	130.0	163.3	187.6
-32.5°	0.0	4.3	5.9	10.5	23.7	43.2	67.2	92.6	118.2	146.2	167.7
-35°	0.0	4.2	5.8	9.8	21.3	38.5	60.9	83.9	106.4	129.7	150.0
-37.5°	0.0	4.0	5.7	9.0	18.8	34.2	54.9	75.3	94.7	113.8	136.0
-40°	0.0	3.9	5.6	8.2	16.3	30.9	48.9	66.8	83.2	100.0	121.5
-42.5°	0.0	3.8	5.5	7.2	14.4	27.7	43.0	58.6	73.1	89.0	107.4
-45°	0.0	3.6	5.4	6.3	13.1	24.4	37.1	51.0	63.9	78.5	94.1
-47.5°	0.0	3.4	5.3	5.3	11.8	21.1	31.4	44.4	55.1	68.3	82.9
-50°	0.0	3.3	5.3	5.1	10.5	17.9	27.3	38.0	47.7	60.1	72.0
-52.5°	0.0	3.1	5.2	5.1	9.2	14.7	23.6	31.8	41.3	52.0	61.7
-55°	0.0	2.9	5.2	5.1	7.8	12.8	20.0	26.0	35.3	44.1	53.1
-57.5°	0.0	2.7	5.1	5.1	6.4	11.1	16.5	22.2	29.2	37.2	44.8
-60°	0.0	2.5	5.1	5.1	5.1	9.4	13.2	18.7	23.7	30.8	37.1
-62.5°	0.0	2.4	4.7	5.1	5.1	7.7	11.2	15.2	19.8	24.3	30.3
-65°	0.0	2.2	4.3	5.1	5.1	6.0	9.3	12.1	15.9	19.7	23.6
-67.5°	0.0	2.0	3.9	5.1	5.1	5.1	7.3	9.9	12.1	15.5	18.5
-70°	0.0	1.7	3.5	5.1	5.1	5.1	5.4	7.8	9.8	11.4	14.1
-72.5°	0.0	1.5	3.1	4.6	5.1	5.1	5.1	5.7	7.5	9.0	10.1
-75°	0.0	1.3	2.6	3.9	5.1	5.1	5.1	5.1	5.3	6.8	7.9
-77.5°	0.0	1.1	2.2	3.3	4.4	5.1	5.1	5.1	5.1	5.1	5.6
-80°	0.0	0.9	1.8	2.6	3.5	4.4	5.1	5.1	5.1	5.1	5.1
-82.5°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.6	5.1	5.1	5.1
-85°	0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.5	3.9	4.3
-87.5°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	2.0	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



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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	1.9	1.7	1.5	1.6	1.7	1.8	1.8	1.9	2.0	2.1
85°	4.1	3.9	3.4	3.0	3.1	3.3	3.5	3.6	3.8	3.9	4.1
82.5°	4.7	4.5	4.4	4.4	4.7	4.9	5.2	5.7	6.2	6.6	7.1
80°	5.0	5.1	5.8	6.6	7.3	8.0	8.7	9.4	10.0	11.0	12.3
77.5°	6.6	7.6	8.6	9.5	10.7	12.6	14.3	15.8	17.5	19.6	21.8
75°	9.0	10.2	12.7	15.6	18.1	20.1	22.0	24.8	28.2	32.0	35.6
72.5°	12.4	15.5	18.9	22.5	26.8	30.5	34.0	37.3	42.8	48.9	53.4
70°	17.0	20.8	26.1	32.0	37.5	42.3	49.3	57.7	66.1	70.4	73.0
67.5°	21.9	28.1	34.6	41.5	49.2	57.2	66.9	76.0	84.6	88.2	91.4
65°	28.4	35.4	43.4	52.0	60.8	70.5	80.4	90.6	99.6	104.2	109.4
62.5°	35.0	43.4	52.6	62.2	72.0	82.5	94.5	104.7	112.5	121.8	132.6
60°	43.1	51.4	61.8	72.5	83.9	98.4	110.5	121.8	132.2	142.8	159.1
57.5°	51.5	59.6	71.2	83.8	99.3	115.9	129.7	141.9	156.3	171.3	187.8
55°	60.7	68.0	81.1	96.7	114.5	134.2	150.3	167.1	183.7	197.1	211.8
52.5°	71.3	77.9	91.7	109.6	130.3	152.4	173.8	191.3	206.7	221.5	238.1
50°	82.3	90.7	101.9	123.4	146.4	171.5	195.8	213.4	230.9	248.3	267.0
47.5°	95.2	104.5	113.9	137.1	163.2	188.9	214.1	236.5	255.9	279.1	300.5
45°	109.2	120.1	130.2	151.8	178.6	204.7	232.7	259.7	286.9	314.3	348.5
42.5°	124.0	135.9	148.7	165.5	192.3	221.2	251.1	287.1	321.7	359.7	404.2
40°	138.3	151.6	166.9	182.1	205.8	238.0	274.6	314.9	363.6	412.9	466.7
37.5°	152.4	167.7	184.2	199.9	220.9	257.1	297.4	348.8	407.6	469.8	538.3
35°	166.2	183.1	199.9	218.4	241.9	277.1	326.9	385.2	455.7	534.4	597.0
32.5°	179.7	197.9	214.9	237.3	266.3	302.3	355.3	428.7	510.0	589.8	631.7
30°	196.6	211.2	229.8	255.0	290.0	336.0	393.4	472.6	565.0	619.5	658.5
27.5°	219.1	224.4	245.5	274.9	314.4	369.0	440.5	522.7	599.2	647.1	682.0
25°	241.3	246.8	260.1	294.9	343.7	408.1	488.3	582.1	627.6	668.0	708.4
22.5°	262.5	268.3	285.0	313.8	372.0	447.9	541.2	623.3	666.6	692.3	736.1
20°	282.5	291.3	311.9	345.3	401.1	485.5	592.4	661.4	702.6	733.5	773.8
17.5°	301.7	313.9	339.2	379.7	442.0	527.9	639.0	699.4	739.6	769.4	819.4
15°	320.3	335.9	365.4	412.0	480.1	573.1	670.1	730.6	773.8	803.2	861.6
12.5°	338.3	357.3	390.4	441.9	514.5	612.7	696.5	750.6	793.8	838.7	899.1
10°	355.8	378.1	414.3	469.7	545.2	646.8	718.5	766.8	809.9	867.1	930.0
7.5°	358.4	388.5	433.8	495.3	572.5	675.6	736.6	779.4	826.2	893.1	958.1
5°	358.5	387.7	435.4	501.9	585.4	692.6	749.3	788.9	841.9	916.2	983.1
2.5°	358.2	385.9	435.7	504.1	588.7	694.4	751.2	791.4	851.0	938.9	1006.0
0°	357.6	383.3	434.8	504.2	589.1	692.0	751.2	792.3	856.6	959.5	1026.4
-2.5°	358.2	385.9	435.7	504.1	588.7	694.4	751.2	791.4	851.0	938.9	1006.0
-5°	358.5	387.7	435.4	501.9	585.4	692.6	749.3	788.9	841.9	916.2	983.1
-7.5°	358.4	388.5	433.8	495.3	572.5	675.6	736.6	779.4	826.2	893.1	958.1
-10°	355.8	378.1	414.3	469.7	545.2	646.8	718.5	766.8	809.9	867.1	930.0
-12.5°	338.3	357.3	390.4	441.9	514.5	612.7	696.5	750.6	793.8	838.7	899.1
-15°	320.3	335.9	365.4	412.0	480.1	573.1	670.1	730.6	773.8	803.2	861.6
-17.5°	301.7	313.9	339.2	379.7	442.0	527.9	639.0	699.4	739.6	769.4	819.4
-20°	282.5	291.3	311.9	345.3	401.1	485.5	592.4	661.4	702.6	733.5	773.8



REPORT NUMBER: P559097 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	262.5	268.3	285.0	313.8	372.0	447.9	541.2	623.3	666.6	692.3	736.1
-25°	241.3	246.8	260.1	294.9	343.7	408.1	488.3	582.1	627.6	668.0	708.4
-27.5°	219.1	224.4	245.5	274.9	314.4	369.0	440.5	522.7	599.2	647.1	682.0
-30°	196.6	211.2	229.8	255.0	290.0	336.0	393.4	472.6	565.0	619.5	658.5
-32.5°	179.7	197.9	214.9	237.3	266.3	302.3	355.3	428.7	510.0	589.8	631.7
-35°	166.2	183.1	199.9	218.4	241.9	277.1	326.9	385.2	455.7	534.4	597.0
-37.5°	152.4	167.7	184.2	199.9	220.9	257.1	297.4	348.8	407.6	469.8	538.3
-40°	138.3	151.6	166.9	182.1	205.8	238.0	274.6	314.9	363.6	412.9	466.7
-42.5°	124.0	135.9	148.7	165.5	192.3	221.2	251.1	287.1	321.7	359.7	404.2
-45°	109.2	120.1	130.2	151.8	178.6	204.7	232.7	259.7	286.9	314.3	348.5
-47.5°	95.2	104.5	113.9	137.1	163.2	188.9	214.1	236.5	255.9	279.1	300.5
-50°	82.3	90.7	101.9	123.4	146.4	171.5	195.8	213.4	230.9	248.3	267.0
-52.5°	71.3	77.9	91.7	109.6	130.3	152.4	173.8	191.3	206.7	221.5	238.1
-55°	60.7	68.0	81.1	96.7	114.5	134.2	150.3	167.1	183.7	197.1	211.8
-57.5°	51.5	59.6	71.2	83.8	99.3	115.9	129.7	141.9	156.3	171.3	187.8
-60°	43.1	51.4	61.8	72.5	83.9	98.4	110.5	121.8	132.2	142.8	159.1
-62.5°	35.0	43.4	52.6	62.2	72.0	82.5	94.5	104.7	112.5	121.8	132.6
-65°	28.4	35.4	43.4	52.0	60.8	70.5	80.4	90.6	99.6	104.2	109.4
-67.5°	21.9	28.1	34.6	41.5	49.2	57.2	66.9	76.0	84.6	88.2	91.4
-70°	17.0	20.8	26.1	32.0	37.5	42.3	49.3	57.7	66.1	70.4	73.0
-72.5°	12.4	15.5	18.9	22.5	26.8	30.5	34.0	37.3	42.8	48.9	53.4
-75°	9.0	10.2	12.7	15.6	18.1	20.1	22.0	24.8	28.2	32.0	35.6
-77.5°	6.6	7.6	8.6	9.5	10.7	12.6	14.3	15.8	17.5	19.6	21.8
-80°	5.0	5.1	5.8	6.6	7.3	8.0	8.7	9.4	10.0	11.0	12.3
-82.5°	4.7	4.5	4.4	4.4	4.7	4.9	5.2	5.7	6.2	6.6	7.1
-85°	4.1	3.9	3.4	3.0	3.1	3.3	3.5	3.6	3.8	3.9	4.1
-87.5°	2.1	1.9	1.7	1.5	1.6	1.7	1.8	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



REPORT NUMBER: P559097 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	2.1	2.2	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6
85°	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.9	5.0	5.0
82.5°	7.5	7.8	8.2	8.5	8.8	9.1	9.4	9.6	9.8	9.9	10.1
80°	13.8	14.9	15.7	16.3	16.8	18.6	20.8	23.2	25.7	26.6	27.2
77.5°	24.6	26.3	27.5	28.3	28.9	32.9	38.1	43.4	49.0	51.9	54.3
75°	39.1	41.2	42.6	43.5	44.2	50.3	59.4	69.0	79.0	84.1	87.9
72.5°	56.5	58.2	59.6	60.8	61.6	70.7	87.2	105.1	124.2	135.8	144.3
70°	75.2	77.3	78.9	80.3	81.4	92.3	116.2	141.2	167.0	192.9	220.4
67.5°	95.1	99.4	101.7	103.0	104.3	113.6	139.1	162.5	184.3	231.0	304.7
65°	116.8	126.8	130.9	133.2	134.1	138.3	160.1	179.7	197.4	233.8	290.0
62.5°	144.5	157.6	163.6	166.3	167.8	168.1	185.8	202.3	217.4	240.2	275.9
60°	174.3	188.4	195.8	197.9	199.2	199.7	213.9	230.2	245.3	263.8	297.1
57.5°	201.6	214.8	225.8	230.1	233.6	236.0	248.5	267.6	285.5	304.0	339.8
55°	227.6	243.7	258.9	267.3	275.2	282.1	294.4	318.6	341.6	363.3	400.5
52.5°	256.1	276.6	296.9	312.2	327.1	340.2	353.4	384.7	415.4	444.3	480.5
50°	290.0	315.3	345.0	370.0	391.4	412.5	431.4	468.4	510.0	549.5	587.5
47.5°	332.9	366.4	404.3	439.9	468.9	501.7	531.3	569.3	606.1	642.8	674.3
45°	385.7	432.1	475.7	522.9	564.4	586.0	603.2	626.9	664.7	700.8	730.1
42.5°	453.2	507.1	560.9	596.0	622.7	640.2	652.7	665.2	704.8	739.7	768.1
40°	528.3	582.5	615.6	644.4	662.8	678.5	698.1	717.4	748.6	784.3	815.9
37.5°	593.4	628.2	657.3	679.8	702.2	723.0	751.3	779.1	808.7	848.7	878.1
35°	633.5	664.0	693.6	721.9	750.5	782.5	817.8	858.8	895.0	862.1	814.4
32.5°	664.1	695.4	731.1	774.8	814.2	857.9	902.2	831.1	758.2	729.7	735.5
30°	690.7	727.0	776.3	833.4	888.1	868.6	771.4	737.4	747.5	767.4	805.9
27.5°	719.2	764.6	824.4	894.7	851.6	744.1	749.7	769.4	836.0	892.6	978.4
25°	752.9	807.7	882.0	849.6	751.0	761.2	811.0	886.2	1013.1	1131.5	1235.0
22.5°	793.6	863.3	873.2	751.1	764.5	829.7	930.8	1093.7	1247.9	1391.0	1497.7
20°	834.9	915.4	791.6	765.9	823.1	939.5	1127.3	1314.4	1486.5	1614.4	1721.3
17.5°	884.4	856.0	768.4	795.9	911.7	1112.7	1324.1	1522.4	1684.7	1905.9	2094.2
15°	927.7	798.7	782.5	873.1	1047.3	1273.5	1503.2	1681.3	1974.5	2291.5	2612.1
12.5°	902.9	778.4	807.6	941.8	1170.8	1415.3	1618.4	1900.3	2288.2	2751.2	3446.9
10°	866.1	789.9	861.3	1036.8	1276.6	1514.8	1725.8	2095.3	2607.2	3457.5	4553.0
7.5°	837.6	794.7	896.7	1109.9	1355.2	1574.8	1856.1	2304.2	3017.8	4184.4	6516.8
5°	816.0	794.6	913.0	1152.1	1401.9	1616.2	1936.5	2456.1	3420.1	5082.2	9067.8
2.5°	806.5	790.4	917.5	1174.8	1424.6	1639.4	1986.5	2565.3	3674.1	5916.2	11923.7
0°	812.9	782.0	915.8	1183.4	1438.0	1636.1	1993.7	2598.2	3750.7	6224.2	12306.9
-2.5°	806.5	790.4	917.5	1174.8	1424.6	1639.4	1986.5	2565.3	3674.1	5916.2	11923.7
-5°	816.0	794.6	913.0	1152.1	1401.9	1616.2	1936.5	2456.1	3420.1	5082.2	9067.8
-7.5°	837.6	794.7	896.7	1109.9	1355.2	1574.8	1856.1	2304.2	3017.8	4184.4	6516.8
-10°	866.1	789.9	861.3	1036.8	1276.6	1514.8	1725.8	2095.3	2607.2	3457.5	4553.0
-12.5°	902.9	778.4	807.6	941.8	1170.8	1415.3	1618.4	1900.3	2288.2	2751.2	3446.9
-15°	927.7	798.7	782.5	873.1	1047.3	1273.5	1503.2	1681.3	1974.5	2291.5	2612.1
-17.5°	884.4	856.0	768.4	795.9	911.7	1112.7	1324.1	1522.4	1684.7	1905.9	2094.2
-20°	834.9	915.4	791.6	765.9	823.1	939.5	1127.3	1314.4	1486.5	1614.4	1721.3



REPORT NUMBER: P559097 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	793.6	863.3	873.2	751.1	764.5	829.7	930.8	1093.7	1247.9	1391.0	1497.7
-25°	752.9	807.7	882.0	849.6	751.0	761.2	811.0	886.2	1013.1	1131.5	1235.0
-27.5°	719.2	764.6	824.4	894.7	851.6	744.1	749.7	769.4	836.0	892.6	978.4
-30°	690.7	727.0	776.3	833.4	888.1	868.6	771.4	737.4	747.5	767.4	805.9
-32.5°	664.1	695.4	731.1	774.8	814.2	857.9	902.2	831.1	758.2	729.7	735.5
-35°	633.5	664.0	693.6	721.9	750.5	782.5	817.8	858.8	895.0	862.1	814.4
-37.5°	593.4	628.2	657.3	679.8	702.2	723.0	751.3	779.1	808.7	848.7	878.1
-40°	528.3	582.5	615.6	644.4	662.8	678.5	698.1	717.4	748.6	784.3	815.9
-42.5°	453.2	507.1	560.9	596.0	622.7	640.2	652.7	665.2	704.8	739.7	768.1
-45°	385.7	432.1	475.7	522.9	564.4	586.0	603.2	626.9	664.7	700.8	730.1
-47.5°	332.9	366.4	404.3	439.9	468.9	501.7	531.3	569.3	606.1	642.8	674.3
-50°	290.0	315.3	345.0	370.0	391.4	412.5	431.4	468.4	510.0	549.5	587.5
-52.5°	256.1	276.6	296.9	312.2	327.1	340.2	353.4	384.7	415.4	444.3	480.5
-55°	227.6	243.7	258.9	267.3	275.2	282.1	294.4	318.6	341.6	363.3	400.5
-57.5°	201.6	214.8	225.8	230.1	233.6	236.0	248.5	267.6	285.5	304.0	339.8
-60°	174.3	188.4	195.8	197.9	199.2	199.7	213.9	230.2	245.3	263.8	297.1
-62.5°	144.5	157.6	163.6	166.3	167.8	168.1	185.8	202.3	217.4	240.2	275.9
-65°	116.8	126.8	130.9	133.2	134.1	138.3	160.1	179.7	197.4	233.8	290.0
-67.5°	95.1	99.4	101.7	103.0	104.3	113.6	139.1	162.5	184.3	231.0	304.7
-70°	75.2	77.3	78.9	80.3	81.4	92.3	116.2	141.2	167.0	192.9	220.4
-72.5°	56.5	58.2	59.6	60.8	61.6	70.7	87.2	105.1	124.2	135.8	144.3
-75°	39.1	41.2	42.6	43.5	44.2	50.3	59.4	69.0	79.0	84.1	87.9
-77.5°	24.6	26.3	27.5	28.3	28.9	32.9	38.1	43.4	49.0	51.9	54.3
-80°	13.8	14.9	15.7	16.3	16.8	18.6	20.8	23.2	25.7	26.6	27.2
-82.5°	7.5	7.8	8.2	8.5	8.8	9.1	9.4	9.6	9.8	9.9	10.1
-85°	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.9	5.0	5.0
-87.5°	2.1	2.2	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6
-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: P559097 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5
85°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	4.9
82.5°	10.2	10.2	10.3	10.3	10.3	10.2	10.2	10.1	9.9	9.8	9.6
80°	27.7	28.0	27.0	25.7	27.0	28.0	27.7	27.2	26.6	25.7	23.2
77.5°	56.5	58.5	56.5	54.0	56.5	58.5	56.5	54.3	51.9	49.0	43.4
75°	91.2	94.2	92.5	90.0	92.5	94.2	91.2	87.9	84.1	79.0	69.0
72.5°	152.3	159.8	158.0	154.4	158.0	159.8	152.3	144.3	135.8	124.2	105.1
70°	249.3	278.5	277.3	270.1	277.3	278.5	249.3	220.4	192.9	167.0	141.2
67.5°	384.4	467.3	493.7	506.8	493.7	467.3	384.4	304.7	231.0	184.3	162.5
65°	342.3	392.4	412.2	427.0	412.2	392.4	342.3	290.0	233.8	197.4	179.7
62.5°	307.9	337.6	344.0	344.7	344.0	337.6	307.9	275.9	240.2	217.4	202.3
60°	329.5	361.0	365.8	360.2	365.8	361.0	329.5	297.1	263.8	245.3	230.2
57.5°	374.2	407.3	413.4	406.5	413.4	407.3	374.2	339.8	304.0	285.5	267.6
55°	436.1	469.5	480.6	478.5	480.6	469.5	436.1	400.5	363.3	341.6	318.6
52.5°	515.0	545.8	558.5	558.2	558.5	545.8	515.0	480.5	444.3	415.4	384.7
50°	620.6	648.1	661.8	663.7	661.8	648.1	620.6	587.5	549.5	510.0	468.4
47.5°	696.7	714.7	724.2	725.4	724.2	714.7	696.7	674.3	642.8	606.1	569.3
45°	743.3	753.0	760.4	766.6	760.4	753.0	743.3	730.1	700.8	664.7	626.9
42.5°	787.1	807.4	822.4	825.8	822.4	807.4	787.1	768.1	739.7	704.8	665.2
40°	845.9	873.8	900.6	928.7	900.6	873.8	845.9	815.9	784.3	748.6	717.4
37.5°	908.6	939.8	965.6	980.1	965.6	939.8	908.6	878.1	848.7	808.7	779.1
35°	780.8	760.4	748.3	743.5	748.3	760.4	780.8	814.4	862.1	895.0	858.8
32.5°	739.0	740.4	738.0	733.2	738.0	740.4	739.0	735.5	729.7	758.2	831.1
30°	834.4	848.0	849.7	848.9	849.7	848.0	834.4	805.9	767.4	747.5	737.4
27.5°	1041.8	1076.6	1087.3	1108.8	1087.3	1076.6	1041.8	978.4	892.6	836.0	769.4
25°	1315.1	1367.6	1392.8	1402.0	1392.8	1367.6	1315.1	1235.0	1131.5	1013.1	886.2
22.5°	1558.1	1598.1	1621.5	1641.3	1621.5	1598.1	1558.1	1497.7	1391.0	1247.9	1093.7
20°	1846.0	1919.1	1952.6	1955.1	1952.6	1919.1	1846.0	1721.3	1614.4	1486.5	1314.4
17.5°	2295.4	2437.7	2508.8	2528.8	2508.8	2437.7	2295.4	2094.2	1905.9	1684.7	1522.4
15°	3004.5	3367.6	3554.4	3642.7	3554.4	3367.6	3004.5	2612.1	2291.5	1974.5	1681.3
12.5°	4161.2	4979.9	5641.9	5891.1	5641.9	4979.9	4161.2	3446.9	2751.2	2288.2	1900.3
10°	6453.1	8897.9	11754.0	13086.4	11754.0	8897.9	6453.1	4553.0	3457.5	2607.2	2095.3
7.5°	12484.2	28986.0	56179.8	69151.8	56179.8	28986.0	12484.2	6516.8	4184.4	3017.8	2304.2
5°	26610.4	114842.2	205667.9	241574.5	205667.9	114842.2	26610.4	9067.8	5082.2	3420.1	2456.1
2.5°	42384.6	188356.1	355397.7	415564.0	355397.7	188356.1	42384.6	11923.7	5916.2	3674.1	2565.3
0°	50641.2	198492.6	392173.4	452206.8	392173.4	198492.6	50641.2	12306.9	6224.2	3750.7	2598.2
-2.5°	42384.6	188356.1	355397.7	415563.9	355397.7	188356.1	42384.6	11923.7	5916.2	3674.1	2565.3
-5°	26610.4	114842.2	205667.9	241574.5	205667.9	114842.2	26610.4	9067.8	5082.2	3420.1	2456.1
-7.5°	12484.2	28986.0	56179.8	69151.8	56179.8	28986.0	12484.2	6516.8	4184.4	3017.8	2304.2
-10°	6453.1	8897.9	11754.0	13086.4	11754.0	8897.9	6453.1	4553.0	3457.5	2607.2	2095.3
-12.5°	4161.2	4979.9	5641.9	5891.1	5641.9	4979.9	4161.2	3446.9	2751.2	2288.2	1900.3
-15°	3004.5	3367.6	3554.4	3642.7	3554.4	3367.6	3004.5	2612.1	2291.5	1974.5	1681.3
-17.5°	2295.4	2437.7	2508.8	2528.8	2508.8	2437.7	2295.4	2094.2	1905.9	1684.7	1522.4
-20°	1846.0	1919.1	1952.6	1955.1	1952.6	1919.1	1846.0	1721.3	1614.4	1486.5	1314.4



REPORT NUMBER: P559097 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	1558.1	1598.1	1621.5	1641.3	1621.5	1598.1	1558.1	1497.7	1391.0	1247.9	1093.7
-25°	1315.1	1367.6	1392.8	1402.0	1392.8	1367.6	1315.1	1235.0	1131.5	1013.1	886.2
-27.5°	1041.8	1076.6	1087.3	1108.8	1087.3	1076.6	1041.8	978.4	892.6	836.0	769.4
-30°	834.4	848.0	849.7	848.9	849.7	848.0	834.4	805.9	767.4	747.5	737.4
-32.5°	739.0	740.4	738.0	733.2	738.0	740.4	739.0	735.5	729.7	758.2	831.1
-35°	780.8	760.4	748.3	743.5	748.3	760.4	780.8	814.4	862.1	895.0	858.8
-37.5°	908.6	939.8	965.6	980.1	965.6	939.8	908.6	878.1	848.7	808.7	779.1
-40°	845.9	873.8	900.6	928.7	900.6	873.8	845.9	815.9	784.3	748.6	717.4
-42.5°	787.1	807.4	822.4	825.8	822.4	807.4	787.1	768.1	739.7	704.8	665.2
-45°	743.3	753.0	760.4	766.6	760.4	753.0	743.3	730.1	700.8	664.7	626.9
-47.5°	696.7	714.7	724.2	725.4	724.2	714.7	696.7	674.3	642.8	606.1	569.3
-50°	620.6	648.1	661.8	663.7	661.8	648.1	620.6	587.5	549.5	510.0	468.4
-52.5°	515.0	545.8	558.5	558.2	558.5	545.8	515.0	480.5	444.3	415.4	384.7
-55°	436.1	469.5	480.6	478.5	480.6	469.5	436.1	400.5	363.3	341.6	318.6
-57.5°	374.2	407.3	413.4	406.5	413.4	407.3	374.2	339.8	304.0	285.5	267.6
-60°	329.5	361.0	365.8	360.2	365.8	361.0	329.5	297.1	263.8	245.3	230.2
-62.5°	307.9	337.6	344.0	344.7	344.0	337.6	307.9	275.9	240.2	217.4	202.3
-65°	342.3	392.4	412.2	427.0	412.2	392.4	342.3	290.0	233.8	197.4	179.7
-67.5°	384.4	467.3	493.7	506.8	493.7	467.3	384.4	304.7	231.0	184.3	162.5
-70°	249.3	278.5	277.3	270.1	277.3	278.5	249.3	220.4	192.9	167.0	141.2
-72.5°	152.3	159.8	158.0	154.4	158.0	159.8	152.3	144.3	135.8	124.2	105.1
-75°	91.2	94.2	92.5	90.0	92.5	94.2	91.2	87.9	84.1	79.0	69.0
-77.5°	56.5	58.5	56.5	54.0	56.5	58.5	56.5	54.3	51.9	49.0	43.4
-80°	27.7	28.0	27.0	25.7	27.0	28.0	27.7	27.2	26.6	25.7	23.2
-82.5°	10.2	10.2	10.3	10.3	10.3	10.2	10.2	10.1	9.9	9.8	9.6
-85°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	4.9
-87.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5
-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: P559097 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.4	2.4	2.4	2.3	2.3	2.2	2.1	2.1	2.0	1.9	1.8
85°	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1	3.9	3.8	3.6
82.5°	9.4	9.1	8.8	8.5	8.2	7.8	7.5	7.1	6.6	6.2	5.7
80°	20.8	18.6	16.8	16.3	15.7	14.9	13.8	12.3	11.0	10.0	9.4
77.5°	38.1	32.9	28.9	28.3	27.5	26.3	24.6	21.8	19.6	17.5	15.8
75°	59.4	50.3	44.2	43.5	42.6	41.2	39.1	35.6	32.0	28.2	24.8
72.5°	87.2	70.7	61.6	60.8	59.6	58.2	56.5	53.4	48.9	42.8	37.3
70°	116.2	92.3	81.4	80.3	78.9	77.3	75.2	73.0	70.4	66.1	57.7
67.5°	139.1	113.6	104.3	103.0	101.7	99.4	95.1	91.4	88.2	84.6	76.0
65°	160.1	138.3	134.1	133.2	130.9	126.8	116.8	109.4	104.2	99.6	90.6
62.5°	185.8	168.1	167.8	166.3	163.6	157.6	144.5	132.6	121.8	112.5	104.7
60°	213.9	199.7	199.2	197.9	195.8	188.4	174.3	159.1	142.8	132.2	121.8
57.5°	248.5	236.0	233.6	230.1	225.8	214.8	201.6	187.8	171.3	156.3	141.9
55°	294.4	282.1	275.2	267.3	258.9	243.7	227.6	211.8	197.1	183.7	167.1
52.5°	353.4	340.2	327.1	312.2	296.9	276.6	256.1	238.1	221.5	206.7	191.3
50°	431.4	412.5	391.4	370.0	345.0	315.3	290.0	267.0	248.3	230.9	213.4
47.5°	531.3	501.7	468.9	439.9	404.3	366.4	332.9	300.5	279.1	255.9	236.5
45°	603.2	586.0	564.4	522.9	475.7	432.1	385.7	348.5	314.3	286.9	259.7
42.5°	652.7	640.2	622.7	596.0	560.9	507.1	453.2	404.2	359.7	321.7	287.1
40°	698.1	678.5	662.8	644.4	615.6	582.5	528.3	466.7	412.9	363.6	314.9
37.5°	751.3	723.0	702.2	679.8	657.3	628.2	593.4	538.3	469.8	407.6	348.8
35°	817.8	782.5	750.5	721.9	693.6	664.0	633.5	597.0	534.4	455.7	385.2
32.5°	902.2	857.9	814.2	774.8	731.1	695.4	664.1	631.7	589.8	510.0	428.7
30°	771.4	868.6	888.1	833.4	776.3	727.0	690.7	658.5	619.5	565.0	472.6
27.5°	749.7	744.1	851.6	894.7	824.4	764.6	719.2	682.0	647.1	599.2	522.7
25°	811.0	761.2	751.0	849.6	882.0	807.7	752.9	708.4	668.0	627.6	582.1
22.5°	930.8	829.7	764.5	751.1	873.2	863.3	793.6	736.1	692.3	666.6	623.3
20°	1127.3	939.5	823.1	765.9	791.6	915.4	834.9	773.8	733.5	702.6	661.4
17.5°	1324.1	1112.7	911.7	795.9	768.4	856.0	884.4	819.4	769.4	739.6	699.4
15°	1503.2	1273.5	1047.3	873.1	782.5	798.7	927.7	861.6	803.2	773.8	730.6
12.5°	1618.4	1415.3	1170.8	941.8	807.6	778.4	902.9	899.1	838.7	793.8	750.6
10°	1725.8	1514.8	1276.6	1036.8	861.3	789.9	866.1	930.0	867.1	809.9	766.8
7.5°	1856.1	1574.8	1355.2	1109.9	896.7	794.7	837.6	958.1	893.1	826.2	779.4
5°	1936.5	1616.2	1401.9	1152.1	913.0	794.6	816.0	983.1	916.2	841.9	788.9
2.5°	1986.5	1639.4	1424.6	1174.8	917.5	790.4	806.5	1006.0	938.9	851.0	791.4
0°	1993.7	1636.1	1438.0	1183.4	915.8	782.0	812.9	1026.4	959.5	856.6	792.3
-2.5°	1986.5	1639.4	1424.6	1174.8	917.5	790.4	806.5	1006.0	938.9	851.0	791.4
-5°	1936.5	1616.2	1401.9	1152.1	913.0	794.6	816.0	983.1	916.2	841.9	788.9
-7.5°	1856.1	1574.8	1355.2	1109.9	896.7	794.7	837.6	958.1	893.1	826.2	779.4
-10°	1725.8	1514.8	1276.6	1036.8	861.3	789.9	866.1	930.0	867.1	809.9	766.8
-12.5°	1618.4	1415.3	1170.8	941.8	807.6	778.4	902.9	899.1	838.7	793.8	750.6
-15°	1503.2	1273.5	1047.3	873.1	782.5	798.7	927.7	861.6	803.2	773.8	730.6
-17.5°	1324.1	1112.7	911.7	795.9	768.4	856.0	884.4	819.4	769.4	739.6	699.4
-20°	1127.3	939.5	823.1	765.9	791.6	915.4	834.9	773.8	733.5	702.6	661.4



REPORT NUMBER: P559097 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	930.8	829.7	764.5	751.1	873.2	863.3	793.6	736.1	692.3	666.6	623.3
-25°	811.0	761.2	751.0	849.6	882.0	807.7	752.9	708.4	668.0	627.6	582.1
-27.5°	749.7	744.1	851.6	894.7	824.4	764.6	719.2	682.0	647.1	599.2	522.7
-30°	771.4	868.6	888.1	833.4	776.3	727.0	690.7	658.5	619.5	565.0	472.6
-32.5°	902.2	857.9	814.2	774.8	731.1	695.4	664.1	631.7	589.8	510.0	428.7
-35°	817.8	782.5	750.5	721.9	693.6	664.0	633.5	597.0	534.4	455.7	385.2
-37.5°	751.3	723.0	702.2	679.8	657.3	628.2	593.4	538.3	469.8	407.6	348.8
-40°	698.1	678.5	662.8	644.4	615.6	582.5	528.3	466.7	412.9	363.6	314.9
-42.5°	652.7	640.2	622.7	596.0	560.9	507.1	453.2	404.2	359.7	321.7	287.1
-45°	603.2	586.0	564.4	522.9	475.7	432.1	385.7	348.5	314.3	286.9	259.7
-47.5°	531.3	501.7	468.9	439.9	404.3	366.4	332.9	300.5	279.1	255.9	236.5
-50°	431.4	412.5	391.4	370.0	345.0	315.3	290.0	267.0	248.3	230.9	213.4
-52.5°	353.4	340.2	327.1	312.2	296.9	276.6	256.1	238.1	221.5	206.7	191.3
-55°	294.4	282.1	275.2	267.3	258.9	243.7	227.6	211.8	197.1	183.7	167.1
-57.5°	248.5	236.0	233.6	230.1	225.8	214.8	201.6	187.8	171.3	156.3	141.9
-60°	213.9	199.7	199.2	197.9	195.8	188.4	174.3	159.1	142.8	132.2	121.8
-62.5°	185.8	168.1	167.8	166.3	163.6	157.6	144.5	132.6	121.8	112.5	104.7
-65°	160.1	138.3	134.1	133.2	130.9	126.8	116.8	109.4	104.2	99.6	90.6
-67.5°	139.1	113.6	104.3	103.0	101.7	99.4	95.1	91.4	88.2	84.6	76.0
-70°	116.2	92.3	81.4	80.3	78.9	77.3	75.2	73.0	70.4	66.1	57.7
-72.5°	87.2	70.7	61.6	60.8	59.6	58.2	56.5	53.4	48.9	42.8	37.3
-75°	59.4	50.3	44.2	43.5	42.6	41.2	39.1	35.6	32.0	28.2	24.8
-77.5°	38.1	32.9	28.9	28.3	27.5	26.3	24.6	21.8	19.6	17.5	15.8
-80°	20.8	18.6	16.8	16.3	15.7	14.9	13.8	12.3	11.0	10.0	9.4
-82.5°	9.4	9.1	8.8	8.5	8.2	7.8	7.5	7.1	6.6	6.2	5.7
-85°	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1	3.9	3.8	3.6
-87.5°	2.4	2.4	2.4	2.3	2.3	2.2	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



REPORT NUMBER: P559097 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	1.8	1.7	1.6	1.5	1.7	1.9	2.1	2.2	2.0	1.7	1.5
85°	3.5	3.3	3.1	3.0	3.4	3.9	4.1	4.3	3.9	3.5	3.1
82.5°	5.2	4.9	4.7	4.4	4.4	4.5	4.7	5.1	5.1	5.1	4.6
80°	8.7	8.0	7.3	6.6	5.8	5.1	5.0	5.1	5.1	5.1	5.1
77.5°	14.3	12.6	10.7	9.5	8.6	7.6	6.6	5.6	5.1	5.1	5.1
75°	22.0	20.1	18.1	15.6	12.7	10.2	9.0	7.9	6.8	5.3	5.1
72.5°	34.0	30.5	26.8	22.5	18.9	15.5	12.4	10.1	9.0	7.5	5.7
70°	49.3	42.3	37.5	32.0	26.1	20.8	17.0	14.1	11.4	9.8	7.8
67.5°	66.9	57.2	49.2	41.5	34.6	28.1	21.9	18.5	15.5	12.1	9.9
65°	80.4	70.5	60.8	52.0	43.4	35.4	28.4	23.6	19.7	15.9	12.1
62.5°	94.5	82.5	72.0	62.2	52.6	43.4	35.0	30.3	24.3	19.8	15.2
60°	110.5	98.4	83.9	72.5	61.8	51.4	43.1	37.1	30.8	23.7	18.7
57.5°	129.7	115.9	99.3	83.8	71.2	59.6	51.5	44.8	37.2	29.2	22.2
55°	150.3	134.2	114.5	96.7	81.1	68.0	60.7	53.1	44.1	35.3	26.0
52.5°	173.8	152.4	130.3	109.6	91.7	77.9	71.3	61.7	52.0	41.3	31.8
50°	195.8	171.5	146.4	123.4	101.9	90.7	82.3	72.0	60.1	47.7	38.0
47.5°	214.1	188.9	163.2	137.1	113.9	104.5	95.2	82.9	68.3	55.1	44.4
45°	232.7	204.7	178.6	151.8	130.2	120.1	109.2	94.1	78.5	63.9	51.0
42.5°	251.1	221.2	192.3	165.5	148.7	135.9	124.0	107.4	89.0	73.1	58.6
40°	274.6	238.0	205.8	182.1	166.9	151.6	138.3	121.5	100.0	83.2	66.8
37.5°	297.4	257.1	220.9	199.9	184.2	167.7	152.4	136.0	113.8	94.7	75.3
35°	326.9	277.1	241.9	218.4	199.9	183.1	166.2	150.0	129.7	106.4	83.9
32.5°	355.3	302.3	266.3	237.3	214.9	197.9	179.7	167.7	146.2	118.2	92.6
30°	393.4	336.0	290.0	255.0	229.8	211.2	196.6	187.6	163.3	130.0	101.6
27.5°	440.5	369.0	314.4	274.9	245.5	224.4	219.1	209.6	180.9	142.8	111.3
25°	488.3	408.1	343.7	294.9	260.1	246.8	241.3	233.2	199.1	157.2	120.9
22.5°	541.2	447.9	372.0	313.8	285.0	268.3	262.5	253.3	218.4	171.6	130.4
20°	592.4	485.5	401.1	345.3	311.9	291.3	282.5	273.1	238.5	186.0	139.6
17.5°	639.0	527.9	442.0	379.7	339.2	313.9	301.7	292.5	259.1	200.1	148.5
15°	670.1	573.1	480.1	412.0	365.4	335.9	320.3	311.5	280.0	213.9	154.9
12.5°	696.5	612.7	514.5	441.9	390.4	357.3	338.3	330.1	300.9	222.8	158.3
10°	718.5	646.8	545.2	469.7	414.3	378.1	355.8	343.3	308.9	227.3	161.2
7.5°	736.6	675.6	572.5	495.3	433.8	388.5	358.4	345.6	313.7	230.6	163.7
5°	749.3	692.6	585.4	501.9	435.4	387.7	358.5	347.5	317.0	232.9	165.6
2.5°	751.2	694.4	588.7	504.1	435.7	385.9	358.2	349.0	318.8	234.0	166.8
0°	751.2	692.0	589.1	504.2	434.8	383.3	357.6	349.9	319.0	234.1	167.2
-2.5°	751.2	694.4	588.7	504.1	435.7	385.9	358.2	349.0	318.8	234.0	166.8
-5°	749.3	692.6	585.4	501.9	435.4	387.7	358.5	347.5	317.0	232.9	165.6
-7.5°	736.6	675.6	572.5	495.3	433.8	388.5	358.4	345.6	313.7	230.6	163.7
-10°	718.5	646.8	545.2	469.7	414.3	378.1	355.8	343.3	308.9	227.3	161.2
-12.5°	696.5	612.7	514.5	441.9	390.4	357.3	338.3	330.1	300.9	222.8	158.3
-15°	670.1	573.1	480.1	412.0	365.4	335.9	320.3	311.5	280.0	213.9	154.9
-17.5°	639.0	527.9	442.0	379.7	339.2	313.9	301.7	292.5	259.1	200.1	148.5
-20°	592.4	485.5	401.1	345.3	311.9	291.3	282.5	273.1	238.5	186.0	139.6



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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°	541.2	447.9	372.0	313.8	285.0	268.3	262.5	253.3	218.4	171.6	130.4
-25°	488.3	408.1	343.7	294.9	260.1	246.8	241.3	233.2	199.1	157.2	120.9
-27.5°	440.5	369.0	314.4	274.9	245.5	224.4	219.1	209.6	180.9	142.8	111.3
-30°	393.4	336.0	290.0	255.0	229.8	211.2	196.6	187.6	163.3	130.0	101.6
-32.5°	355.3	302.3	266.3	237.3	214.9	197.9	179.7	167.7	146.2	118.2	92.6
-35°	326.9	277.1	241.9	218.4	199.9	183.1	166.2	150.0	129.7	106.4	83.9
-37.5°	297.4	257.1	220.9	199.9	184.2	167.7	152.4	136.0	113.8	94.7	75.3
-40°	274.6	238.0	205.8	182.1	166.9	151.6	138.3	121.5	100.0	83.2	66.8
-42.5°	251.1	221.2	192.3	165.5	148.7	135.9	124.0	107.4	89.0	73.1	58.6
-45°	232.7	204.7	178.6	151.8	130.2	120.1	109.2	94.1	78.5	63.9	51.0
-47.5°	214.1	188.9	163.2	137.1	113.9	104.5	95.2	82.9	68.3	55.1	44.4
-50°	195.8	171.5	146.4	123.4	101.9	90.7	82.3	72.0	60.1	47.7	38.0
-52.5°	173.8	152.4	130.3	109.6	91.7	77.9	71.3	61.7	52.0	41.3	31.8
-55°	150.3	134.2	114.5	96.7	81.1	68.0	60.7	53.1	44.1	35.3	26.0
-57.5°	129.7	115.9	99.3	83.8	71.2	59.6	51.5	44.8	37.2	29.2	22.2
-60°	110.5	98.4	83.9	72.5	61.8	51.4	43.1	37.1	30.8	23.7	18.7
-62.5°	94.5	82.5	72.0	62.2	52.6	43.4	35.0	30.3	24.3	19.8	15.2
-65°	80.4	70.5	60.8	52.0	43.4	35.4	28.4	23.6	19.7	15.9	12.1
-67.5°	66.9	57.2	49.2	41.5	34.6	28.1	21.9	18.5	15.5	12.1	9.9
-70°	49.3	42.3	37.5	32.0	26.1	20.8	17.0	14.1	11.4	9.8	7.8
-72.5°	34.0	30.5	26.8	22.5	18.9	15.5	12.4	10.1	9.0	7.5	5.7
-75°	22.0	20.1	18.1	15.6	12.7	10.2	9.0	7.9	6.8	5.3	5.1
-77.5°	14.3	12.6	10.7	9.5	8.6	7.6	6.6	5.6	5.1	5.1	5.1
-80°	8.7	8.0	7.3	6.6	5.8	5.1	5.0	5.1	5.1	5.1	5.1
-82.5°	5.2	4.9	4.7	4.4	4.4	4.5	4.7	5.1	5.1	5.1	4.6
-85°	3.5	3.3	3.1	3.0	3.4	3.9	4.1	4.3	3.9	3.5	3.1
-87.5°	1.8	1.7	1.6	1.5	1.7	1.9	2.1	2.2	2.0	1.7	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°	1.3	1.1	0.9	0.7	0.4	0.2	0.0
85°	2.6	2.2	1.8	1.3	0.9	0.4	0.0
82.5°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
80°	5.1	4.4	3.5	2.6	1.8	0.9	0.0
77.5°	5.1	5.1	4.4	3.3	2.2	1.1	0.0
75°	5.1	5.1	5.1	3.9	2.6	1.3	0.0
72.5°	5.1	5.1	5.1	4.6	3.1	1.5	0.0
70°	5.4	5.1	5.1	5.1	3.5	1.7	0.0
67.5°	7.3	5.1	5.1	5.1	3.9	2.0	0.0
65°	9.3	6.0	5.1	5.1	4.3	2.2	0.0
62.5°	11.2	7.7	5.1	5.1	4.7	2.4	0.0
60°	13.2	9.4	5.1	5.1	5.1	2.5	0.0
57.5°	16.5	11.1	6.4	5.1	5.1	2.7	0.0
55°	20.0	12.8	7.8	5.1	5.2	2.9	0.0
52.5°	23.6	14.7	9.2	5.1	5.2	3.1	0.0
50°	27.3	17.9	10.5	5.1	5.3	3.3	0.0
47.5°	31.4	21.1	11.8	5.3	5.3	3.4	0.0
45°	37.1	24.4	13.1	6.3	5.4	3.6	0.0
42.5°	43.0	27.7	14.4	7.2	5.5	3.8	0.0
40°	48.9	30.9	16.3	8.2	5.6	3.9	0.0
37.5°	54.9	34.2	18.8	9.0	5.7	4.0	0.0
35°	60.9	38.5	21.3	9.8	5.8	4.2	0.0
32.5°	67.2	43.2	23.7	10.5	5.9	4.3	0.0
30°	74.2	47.8	26.0	11.1	6.0	4.4	0.0
27.5°	81.1	52.3	27.6	11.7	6.2	4.5	0.0
25°	88.0	56.8	28.7	12.1	6.3	4.6	0.0
22.5°	94.7	60.2	29.7	12.5	6.5	4.7	0.0
20°	101.2	61.5	30.3	12.8	6.6	4.8	0.0
17.5°	104.6	62.3	30.8	13.0	6.7	4.9	0.0
15°	105.9	62.7	31.0	13.1	6.9	4.9	0.0
12.5°	106.6	62.6	31.0	13.2	7.0	5.0	0.0
10°	106.9	62.1	30.8	13.3	7.2	5.0	0.0
7.5°	106.7	61.2	30.4	13.2	7.3	5.1	0.0
5°	106.0	60.0	29.9	13.2	7.5	5.1	0.0
2.5°	104.7	58.5	29.1	13.0	7.6	5.1	0.0
0°	102.9	56.6	28.3	12.9	7.7	5.1	0.0
-2.5°	104.7	58.5	29.1	13.0	7.6	5.1	0.0
-5°	106.0	60.0	29.9	13.2	7.5	5.1	0.0
-7.5°	106.7	61.2	30.4	13.2	7.3	5.1	0.0
-10°	106.9	62.1	30.8	13.3	7.2	5.0	0.0
-12.5°	106.6	62.6	31.0	13.2	7.0	5.0	0.0
-15°	105.9	62.7	31.0	13.1	6.9	4.9	0.0
-17.5°	104.6	62.3	30.8	13.0	6.7	4.9	0.0
-20°	101.2	61.5	30.3	12.8	6.6	4.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	94.7	60.2	29.7	12.5	6.5	4.7	0.0
-25°	88.0	56.8	28.7	12.1	6.3	4.6	0.0
-27.5°	81.1	52.3	27.6	11.7	6.2	4.5	0.0
-30°	74.2	47.8	26.0	11.1	6.0	4.4	0.0
-32.5°	67.2	43.2	23.7	10.5	5.9	4.3	0.0
-35°	60.9	38.5	21.3	9.8	5.8	4.2	0.0
-37.5°	54.9	34.2	18.8	9.0	5.7	4.0	0.0
-40°	48.9	30.9	16.3	8.2	5.6	3.9	0.0
-42.5°	43.0	27.7	14.4	7.2	5.5	3.8	0.0
-45°	37.1	24.4	13.1	6.3	5.4	3.6	0.0
-47.5°	31.4	21.1	11.8	5.3	5.3	3.4	0.0
-50°	27.3	17.9	10.5	5.1	5.3	3.3	0.0
-52.5°	23.6	14.7	9.2	5.1	5.2	3.1	0.0
-55°	20.0	12.8	7.8	5.1	5.2	2.9	0.0
-57.5°	16.5	11.1	6.4	5.1	5.1	2.7	0.0
-60°	13.2	9.4	5.1	5.1	5.1	2.5	0.0
-62.5°	11.2	7.7	5.1	5.1	4.7	2.4	0.0
-65°	9.3	6.0	5.1	5.1	4.3	2.2	0.0
-67.5°	7.3	5.1	5.1	5.1	3.9	2.0	0.0
-70°	5.4	5.1	5.1	5.1	3.5	1.7	0.0
-72.5°	5.1	5.1	5.1	4.6	3.1	1.5	0.0
-75°	5.1	5.1	5.1	3.9	2.6	1.3	0.0
-77.5°	5.1	5.1	4.4	3.3	2.2	1.1	0.0
-80°	5.1	4.4	3.5	2.6	1.8	0.9	0.0
-82.5°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
-85°	2.6	2.2	1.8	1.3	0.9	0.4	0.0
-87.5°	1.3	1.1	0.9	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)