

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: P558923 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4C-930-U-WR-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558923 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA4C-930-U-WR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

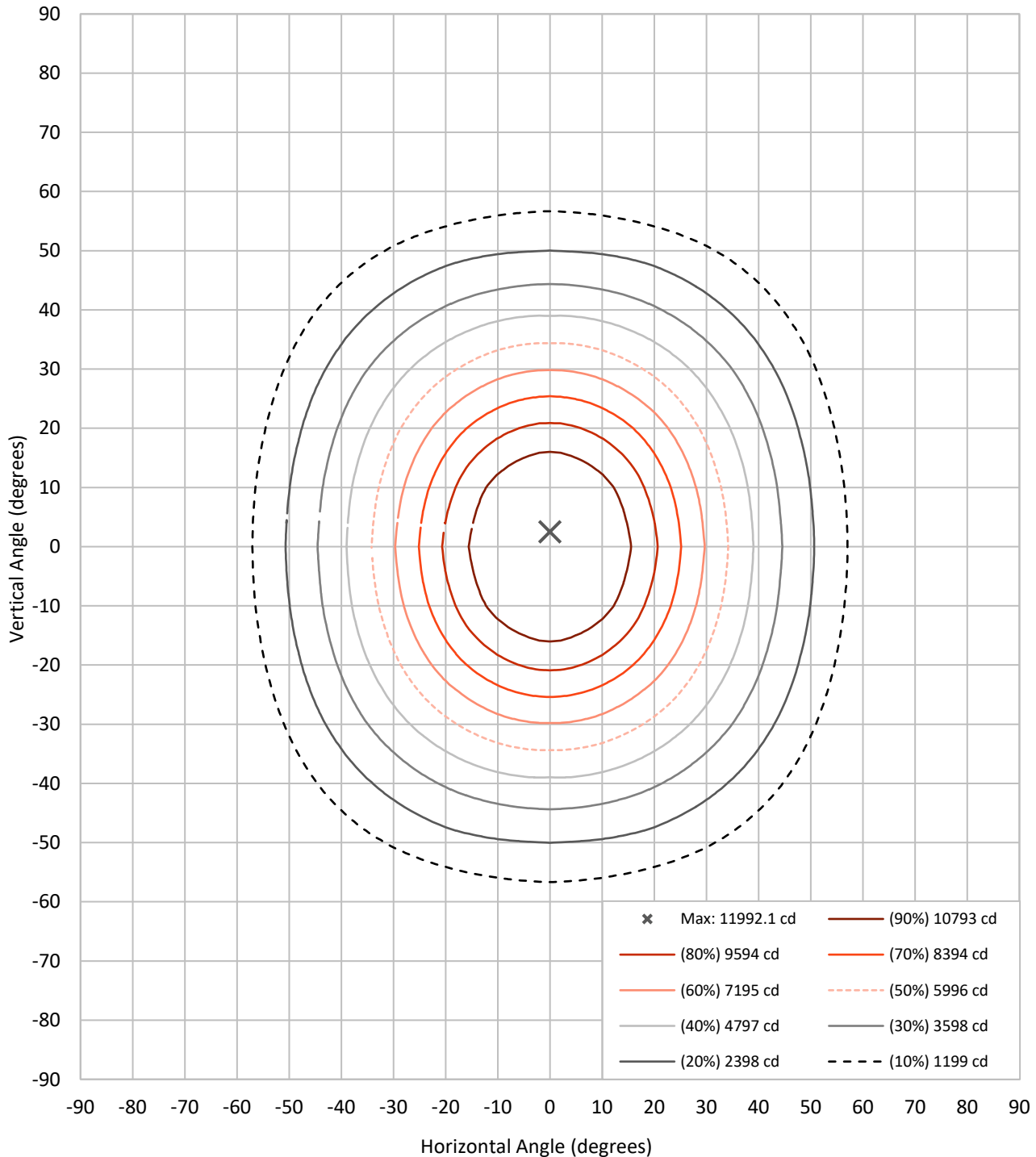
Lumens per Lamp: N/A	NEMA Type: 6H x 6V
Luminaire Lumens: 16230.3 lumens	Max Intensity: 11992.1 candela
Efficiency: N/A	Max Intensity Angle: 0°H x 2.5°V
Efficacy: 99.0 lumens/watt	
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')	
Beam Angle (50%): 68°H x 68.7°V	Field Angle (10%): 114°H x 113.4°V
Beam Lumens: 9731.2 lumens	Field Lumens: 15504.2 lumens
Beam Efficiency: 60.0%	Field Efficiency: 95.5%

Input Watts (W): 164
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: P558923 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





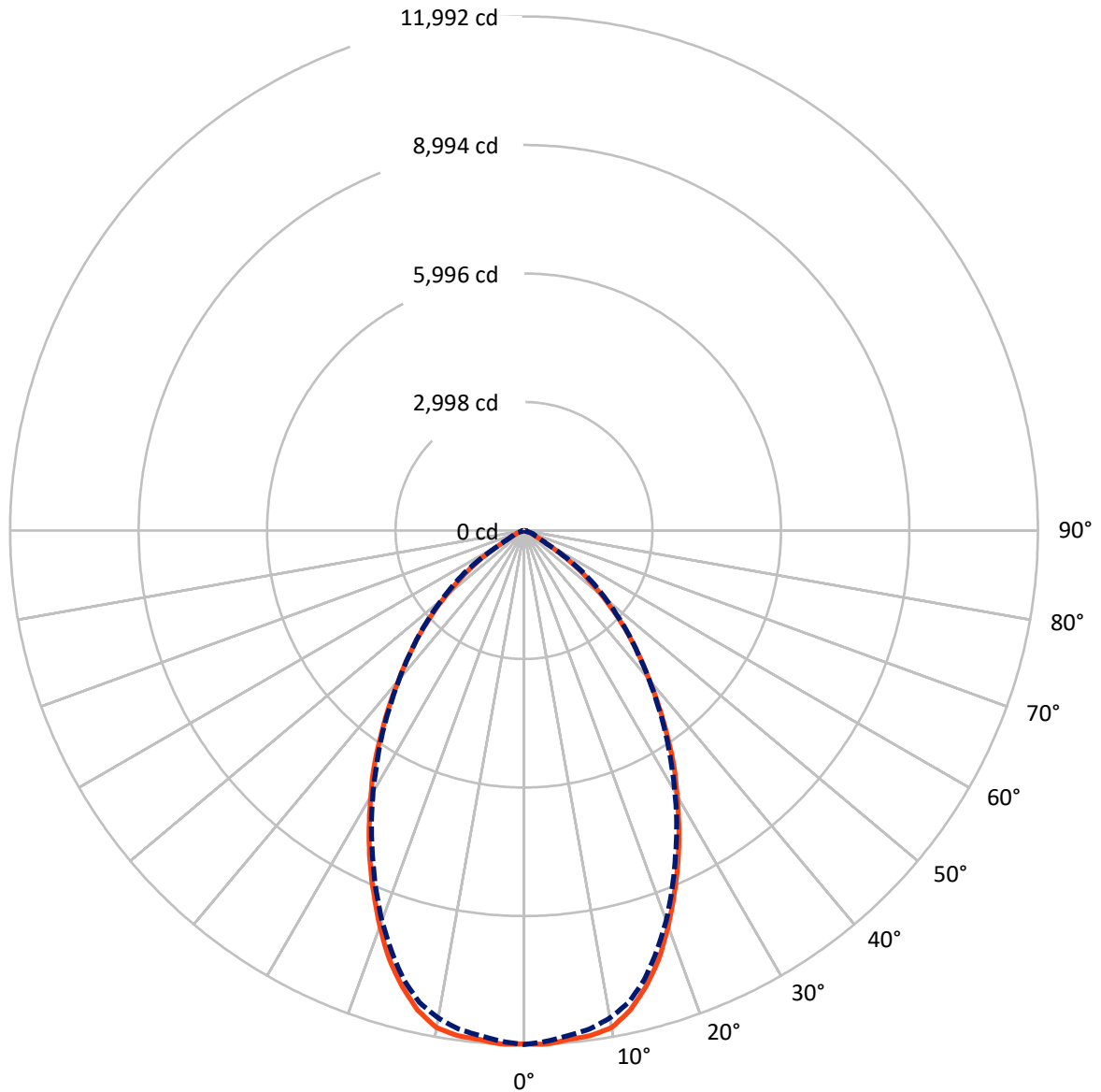
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Lumen Table

90																
80	0.1	1.6		3.9		6.8		4.8		6.8		3.9		1.6		0.1
70																
60	0.7	1.1	2.2	3.5	5.0	6.5	8.1	9.1	9.1	8.1	6.5	5.0	3.5	2.2	1.1	0.7
50		1.8	3.6	6.5	12.6	24.4	36.6	43.8	43.8	36.6	24.4	12.6	6.5	3.6	1.8	
40	1.3	2.3	5.3	15.5	40.9	68.0	90.5	103.2	103.2	90.5	68.0	40.9	15.5	5.3	2.3	1.3
30		2.9	9.1	35.8	73.5	114.7	152.0	174.3	174.3	152.0	114.7	73.5	35.8	9.1	2.9	
20	1.4	3.5	16.6	54.2	104.2	163.1	218.0	252.5	252.5	218.0	163.1	104.2	54.2	16.6	3.5	1.4
10		4.1	23.7	67.5	128.4	203.8	277.5	324.2	324.2	277.5	203.8	128.4	67.5	23.7	4.1	
0	1.4	4.5	27.7	74.6	142.1	227.7	311.8	356.4	356.4	311.8	227.7	142.1	74.6	27.7	4.5	1.4
-10		4.5	27.7	74.6	142.1	227.7	311.8	356.4	356.4	311.8	227.7	142.1	74.6	27.7	4.5	
-20	1.4	4.1	23.7	67.5	128.4	203.8	277.5	324.2	324.2	277.5	203.8	128.4	67.5	23.7	4.1	1.4
-30		3.5	16.6	54.2	104.2	163.1	218.0	252.5	252.5	218.0	163.1	104.2	54.2	16.6	3.5	
-40	1.3	2.9	9.1	35.8	73.5	114.7	152.0	174.3	174.3	152.0	114.7	73.5	35.8	9.1	2.9	1.3
-50		2.3	5.3	15.5	40.9	68.0	90.5	103.2	103.2	90.5	68.0	40.9	15.5	5.3	2.3	
-60	0.7	1.8	3.6	6.5	12.6	24.4	36.6	43.8	43.8	36.6	24.4	12.6	6.5	3.6	1.8	0.7
-70		1.1	2.2	3.5	5.0	6.5	8.1	9.1	9.1	8.1	6.5	5.0	3.5	2.2	1.1	
-80																
-90	0.1	1.6		3.9		6.8		4.8		6.8		3.9		1.6		0.1

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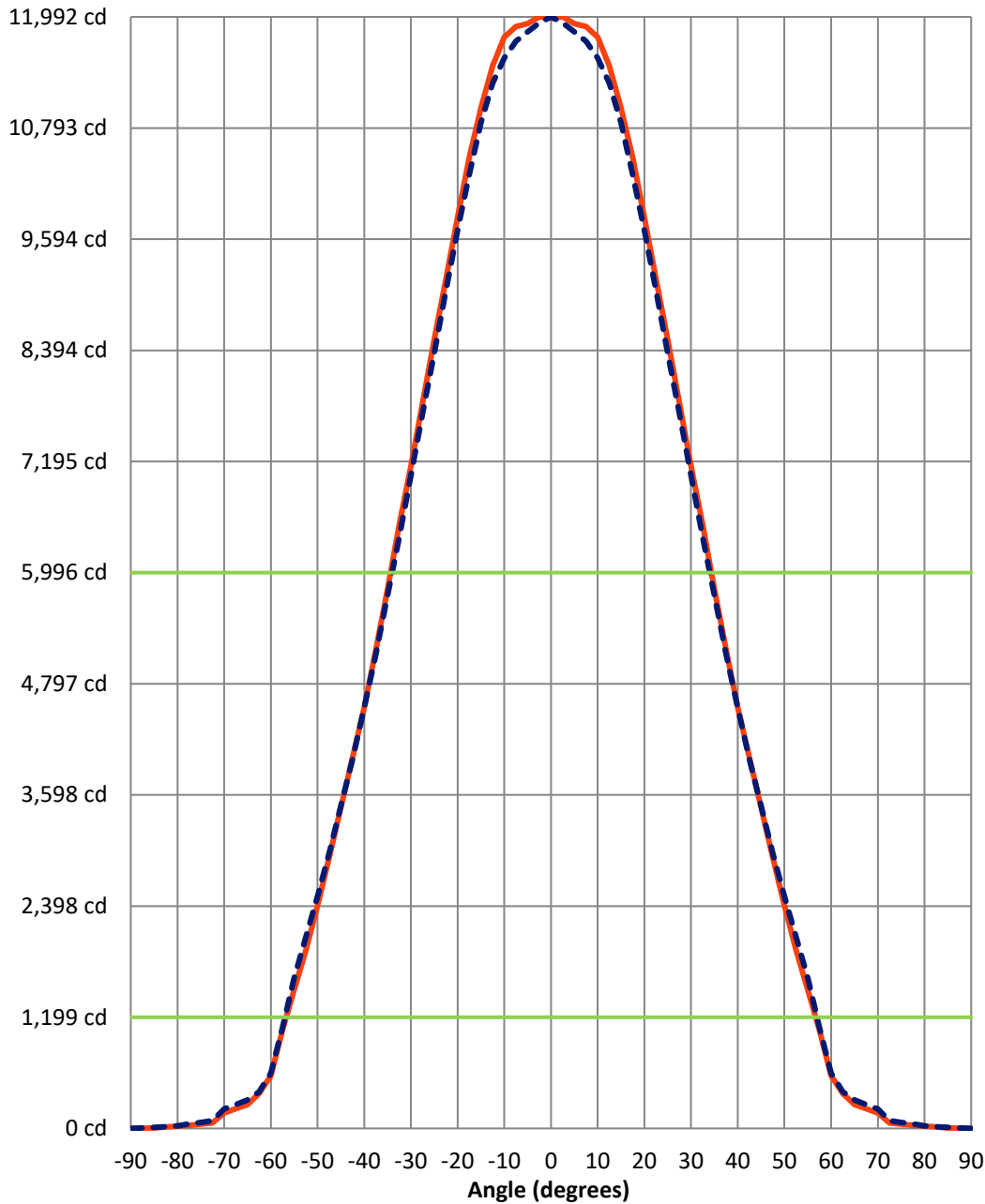
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 68°
V Angle: 68.7°
Lumens: 9731.2
Efficiency: 60.0%

Field:
H Angle: 114°
V Angle: 113.4°
Lumens: 15504.2
Efficiency: 95.5%

Spill:
Lumens: 726
Efficiency: 4.5%

- Vertical Distribution through 0-Deg
- - Horizontal Distribution through 2.5-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	4.9	6.8	8.7
80°	0.0	0.8	1.6	2.4	3.2	4.0	5.0	7.4	9.9	12.5	15.1
77.5°	0.0	1.0	2.0	3.0	4.0	5.5	8.5	11.6	14.8	18.1	22.5
75°	0.0	1.2	2.4	3.6	4.9	7.9	11.9	15.7	20.0	26.7	33.3
72.5°	0.0	1.4	2.8	4.1	6.5	10.3	15.1	20.7	28.6	36.3	44.0
70°	0.0	1.6	3.1	4.8	8.1	12.6	18.6	28.2	37.1	45.9	58.5
67.5°	0.0	1.8	3.5	5.7	9.6	14.7	24.3	35.5	45.5	58.7	73.6
65°	0.0	1.9	3.9	6.6	11.0	17.6	29.6	42.8	55.8	71.1	87.9
62.5°	0.0	2.1	4.2	7.5	12.3	21.1	34.5	50.6	65.7	83.1	101.6
60°	0.0	2.3	4.6	8.3	13.6	24.3	39.0	58.3	75.1	96.2	115.3
57.5°	0.0	2.5	5.1	9.0	15.5	27.2	43.6	65.3	86.6	109.2	126.8
55°	0.0	2.6	5.5	9.7	17.2	29.8	47.6	70.8	98.5	121.4	137.2
52.5°	0.0	2.8	5.9	10.3	18.7	32.1	51.1	78.8	110.5	131.0	147.6
50°	0.0	3.0	6.4	10.9	20.0	34.2	54.0	86.3	121.4	140.5	158.5
47.5°	0.0	3.1	6.8	11.4	21.1	35.9	56.7	92.8	129.8	150.0	168.8
45°	0.0	3.3	7.2	12.0	21.9	37.2	61.3	98.3	133.5	158.5	178.5
42.5°	0.0	3.4	7.5	12.5	22.6	38.0	65.1	101.4	135.9	166.5	189.1
40°	0.0	3.5	7.9	13.1	23.0	38.4	68.2	102.6	137.4	173.1	199.6
37.5°	0.0	3.6	8.2	13.7	23.1	38.4	70.5	102.9	138.8	176.0	209.8
35°	0.0	3.8	8.6	14.3	23.1	39.3	72.0	102.4	140.3	182.5	219.9
32.5°	0.0	3.9	8.9	14.9	22.7	40.4	72.3	101.0	141.7	190.7	230.0
30°	0.0	4.0	9.1	15.4	22.2	40.9	71.0	99.5	143.0	200.5	239.5
27.5°	0.0	4.1	9.4	15.9	22.7	40.9	69.0	99.8	146.5	211.7	248.5
25°	0.0	4.2	9.6	16.3	23.4	40.4	66.5	99.9	154.1	220.6	257.0
22.5°	0.0	4.2	9.9	16.7	24.1	40.4	63.5	99.6	162.1	227.4	267.8
20°	0.0	4.3	10.1	17.1	24.7	42.3	60.0	99.1	170.4	233.5	277.4
17.5°	0.0	4.4	10.2	17.4	25.2	44.0	59.3	98.2	178.7	239.0	285.8
15°	0.0	4.4	10.4	17.7	25.8	45.4	60.5	97.6	186.8	243.9	293.0
12.5°	0.0	4.5	10.5	17.9	26.2	46.6	61.6	97.0	194.0	248.0	299.0
10°	0.0	4.5	10.6	18.1	26.6	47.6	62.5	95.1	199.9	251.3	303.5
7.5°	0.0	4.6	10.7	18.3	27.0	48.3	63.3	92.0	204.7	253.8	306.1
5°	0.0	4.6	10.8	18.4	27.3	48.9	63.9	88.1	208.1	255.8	307.5
2.5°	0.0	4.6	10.8	18.5	27.5	49.2	64.4	83.6	209.8	257.0	307.7
0°	0.0	4.6	10.8	18.5	27.7	49.3	64.7	78.6	209.7	257.4	306.8
-2.5°	0.0	4.6	10.8	18.5	27.5	49.2	64.4	83.6	209.8	257.0	307.7
-5°	0.0	4.6	10.8	18.4	27.3	48.9	63.9	88.1	208.1	255.8	307.5
-7.5°	0.0	4.6	10.7	18.3	27.0	48.3	63.3	92.0	204.7	253.8	306.1
-10°	0.0	4.5	10.6	18.1	26.6	47.6	62.5	95.1	199.9	251.3	303.5
-12.5°	0.0	4.5	10.5	17.9	26.2	46.6	61.6	97.0	194.0	248.0	299.0
-15°	0.0	4.4	10.4	17.7	25.8	45.4	60.5	97.6	186.8	243.9	293.0
-17.5°	0.0	4.4	10.2	17.4	25.2	44.0	59.3	98.2	178.7	239.0	285.8
-20°	0.0	4.3	10.1	17.1	24.7	42.3	60.0	99.1	170.4	233.5	277.4



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 CATALOG NUMBER: GFLD-SA4C-930-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	4.2	9.9	16.7	24.1	40.4	63.5	99.6	162.1	227.4	267.8
-25°	0.0	4.2	9.6	16.3	23.4	40.4	66.5	99.9	154.1	220.6	257.0
-27.5°	0.0	4.1	9.4	15.9	22.7	40.9	69.0	99.8	146.5	211.7	248.5
-30°	0.0	4.0	9.1	15.4	22.2	40.9	71.0	99.5	143.0	200.5	239.5
-32.5°	0.0	3.9	8.9	14.9	22.7	40.4	72.3	101.0	141.7	190.7	230.0
-35°	0.0	3.8	8.6	14.3	23.1	39.3	72.0	102.4	140.3	182.5	219.9
-37.5°	0.0	3.6	8.2	13.7	23.1	38.4	70.5	102.9	138.8	176.0	209.8
-40°	0.0	3.5	7.9	13.1	23.0	38.4	68.2	102.6	137.4	173.1	199.6
-42.5°	0.0	3.4	7.5	12.5	22.6	38.0	65.1	101.4	135.9	166.5	189.1
-45°	0.0	3.3	7.2	12.0	21.9	37.2	61.3	98.3	133.5	158.5	178.5
-47.5°	0.0	3.1	6.8	11.4	21.1	35.9	56.7	92.8	129.8	150.0	168.8
-50°	0.0	3.0	6.4	10.9	20.0	34.2	54.0	86.3	121.4	140.5	158.5
-52.5°	0.0	2.8	5.9	10.3	18.7	32.1	51.1	78.8	110.5	131.0	147.6
-55°	0.0	2.6	5.5	9.7	17.2	29.8	47.6	70.8	98.5	121.4	137.2
-57.5°	0.0	2.5	5.1	9.0	15.5	27.2	43.6	65.3	86.6	109.2	126.8
-60°	0.0	2.3	4.6	8.3	13.6	24.3	39.0	58.3	75.1	96.2	115.3
-62.5°	0.0	2.1	4.2	7.5	12.3	21.1	34.5	50.6	65.7	83.1	101.6
-65°	0.0	1.9	3.9	6.6	11.0	17.6	29.6	42.8	55.8	71.1	87.9
-67.5°	0.0	1.8	3.5	5.7	9.6	14.7	24.3	35.5	45.5	58.7	73.6
-70°	0.0	1.6	3.1	4.8	8.1	12.6	18.6	28.2	37.1	45.9	58.5
-72.5°	0.0	1.4	2.8	4.1	6.5	10.3	15.1	20.7	28.6	36.3	44.0
-75°	0.0	1.2	2.4	3.6	4.9	7.9	11.9	15.7	20.0	26.7	33.3
-77.5°	0.0	1.0	2.0	3.0	4.0	5.5	8.5	11.6	14.8	18.1	22.5
-80°	0.0	0.8	1.6	2.4	3.2	4.0	5.0	7.4	9.9	12.5	15.1
-82.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.1	4.9	6.8	8.7
-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°	2.0	1.9	1.9	1.8	1.9	2.0	2.1	2.2	2.0	1.8	1.5
85°	3.9	3.9	4.4	4.7	5.2	5.5	5.7	5.6	6.3	7.2	8.2
82.5°	9.7	10.4	10.8	11.0	11.1	11.0	10.9	10.8	13.4	16.6	20.2
80°	16.4	17.1	19.7	22.5	23.9	23.9	22.6	20.2	23.9	29.9	37.1
77.5°	26.7	30.7	34.8	39.1	39.9	37.9	34.6	30.0	35.3	45.9	58.0
75°	38.9	44.2	50.3	54.9	54.9	51.6	47.3	46.4	55.4	68.2	78.9
72.5°	53.1	61.0	66.9	70.8	70.5	69.9	71.6	75.4	82.8	92.2	100.4
70°	70.4	78.3	82.6	84.6	85.4	89.7	96.0	100.8	106.1	115.3	123.9
67.5°	87.5	93.5	97.3	100.0	107.2	115.3	121.7	127.6	134.0	143.6	151.4
65°	102.7	108.9	114.3	122.3	132.8	140.5	148.1	156.0	167.3	177.9	184.3
62.5°	117.6	124.2	132.4	143.2	154.6	164.5	176.9	190.9	205.5	216.5	228.9
60°	129.2	138.5	150.1	163.0	176.5	192.7	208.7	225.0	240.0	254.6	273.0
57.5°	140.2	153.6	168.0	183.2	201.2	221.4	240.8	258.5	277.3	297.6	318.3
55°	152.2	169.7	185.8	203.9	225.9	251.4	273.0	294.0	316.5	350.7	380.6
52.5°	165.4	184.8	203.0	225.1	252.4	279.7	304.2	333.6	371.3	422.1	504.5
50°	177.8	198.6	219.9	248.5	278.0	306.8	342.3	383.2	458.8	553.5	719.4
47.5°	190.2	212.2	240.4	271.4	303.4	341.4	386.4	475.8	578.9	814.8	1049.9
45°	202.5	228.7	259.8	294.9	333.1	380.8	474.3	584.6	864.8	1136.2	1419.0
42.5°	214.4	245.1	280.7	318.1	368.1	454.3	574.8	866.0	1169.4	1481.2	1752.6
40°	228.0	260.5	301.7	349.1	415.2	546.1	816.5	1144.4	1486.4	1780.9	2045.0
37.5°	240.9	279.3	324.0	379.3	497.9	716.4	1064.9	1428.6	1759.8	2047.5	2329.6
35°	252.6	297.4	350.8	433.6	579.0	939.1	1316.9	1686.7	2003.3	2310.5	2619.0
32.5°	266.4	315.0	376.5	505.5	765.0	1154.1	1556.1	1908.5	2240.0	2567.6	2920.0
30°	281.6	336.8	412.3	574.2	949.2	1363.0	1761.3	2121.2	2465.0	2828.8	3206.2
27.5°	296.0	357.8	471.5	707.3	1122.5	1558.1	1947.9	2318.4	2687.4	3074.8	3481.2
25°	309.0	377.8	527.2	853.3	1289.7	1724.5	2119.6	2496.7	2895.1	3316.2	3743.7
22.5°	323.1	397.2	577.3	986.2	1442.7	1872.6	2271.3	2671.0	3092.8	3539.1	3985.1
20°	338.3	438.8	659.8	1109.0	1581.7	2007.2	2407.5	2833.1	3277.7	3739.9	4211.0
17.5°	352.1	475.5	758.4	1225.5	1698.6	2124.3	2529.9	2979.9	3438.6	3921.8	4418.0
15°	364.6	507.3	845.2	1328.5	1797.8	2223.7	2649.4	3110.1	3581.5	4084.8	4600.2
12.5°	375.5	534.2	919.9	1417.6	1881.5	2308.7	2749.9	3220.0	3708.9	4227.3	4764.4
10°	384.8	556.1	982.0	1492.0	1949.5	2378.8	2830.5	3311.4	3810.3	4342.1	4896.9
7.5°	390.8	574.2	1031.1	1551.5	2002.0	2433.7	2891.3	3383.4	3884.5	4431.7	4997.0
5°	394.6	588.9	1066.6	1595.5	2040.3	2475.1	2935.1	3435.2	3932.1	4494.5	5064.3
2.5°	396.4	599.1	1088.3	1623.6	2064.3	2504.2	2971.4	3480.6	3982.2	4539.3	5116.5
0°	396.2	604.3	1096.1	1635.6	2073.5	2517.4	2989.2	3504.1	4014.3	4558.5	5152.0
-2.5°	396.4	599.1	1088.3	1623.6	2064.3	2504.2	2971.4	3480.6	3982.2	4539.3	5116.5
-5°	394.6	588.9	1066.6	1595.5	2040.3	2475.1	2935.1	3435.2	3932.1	4494.5	5064.3
-7.5°	390.8	574.2	1031.1	1551.5	2002.0	2433.7	2891.3	3383.4	3884.5	4431.7	4997.0
-10°	384.8	556.1	982.0	1492.0	1949.5	2378.8	2830.5	3311.4	3810.3	4342.1	4896.9
-12.5°	375.5	534.2	919.9	1417.6	1881.5	2308.7	2749.9	3220.0	3708.9	4227.3	4764.4
-15°	364.6	507.3	845.2	1328.5	1797.8	2223.7	2649.4	3110.1	3581.5	4084.8	4600.2
-17.5°	352.1	475.5	758.4	1225.5	1698.6	2124.3	2529.9	2979.9	3438.6	3921.8	4418.0
-20°	338.3	438.8	659.8	1109.0	1581.7	2007.2	2407.5	2833.1	3277.7	3739.9	4211.0



REPORT NUMBER: P558923 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-930-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	323.1	397.2	577.3	986.2	1442.7	1872.6	2271.3	2671.0	3092.8	3539.1	3985.1
-25°	309.0	377.8	527.2	853.3	1289.7	1724.5	2119.6	2496.7	2895.1	3316.2	3743.7
-27.5°	296.0	357.8	471.5	707.3	1122.5	1558.1	1947.9	2318.4	2687.4	3074.8	3481.2
-30°	281.6	336.8	412.3	574.2	949.2	1363.0	1761.3	2121.2	2465.0	2828.8	3206.2
-32.5°	266.4	315.0	376.5	505.5	765.0	1154.1	1556.1	1908.5	2240.0	2567.6	2920.0
-35°	252.6	297.4	350.8	433.6	579.0	939.1	1316.9	1686.7	2003.3	2310.5	2619.0
-37.5°	240.9	279.3	324.0	379.3	497.9	716.4	1064.9	1428.6	1759.8	2047.5	2329.6
-40°	228.0	260.5	301.7	349.1	415.2	546.1	816.5	1144.4	1486.4	1780.9	2045.0
-42.5°	214.4	245.1	280.7	318.1	368.1	454.3	574.8	866.0	1169.4	1481.2	1752.6
-45°	202.5	228.7	259.8	294.9	333.1	380.8	474.3	584.6	864.8	1136.2	1419.0
-47.5°	190.2	212.2	240.4	271.4	303.4	341.4	386.4	475.8	578.9	814.8	1049.9
-50°	177.8	198.6	219.9	248.5	278.0	306.8	342.3	383.2	458.8	553.5	719.4
-52.5°	165.4	184.8	203.0	225.1	252.4	279.7	304.2	333.6	371.3	422.1	504.5
-55°	152.2	169.7	185.8	203.9	225.9	251.4	273.0	294.0	316.5	350.7	380.6
-57.5°	140.2	153.6	168.0	183.2	201.2	221.4	240.8	258.5	277.3	297.6	318.3
-60°	129.2	138.5	150.1	163.0	176.5	192.7	208.7	225.0	240.0	254.6	273.0
-62.5°	117.6	124.2	132.4	143.2	154.6	164.5	176.9	190.9	205.5	216.5	228.9
-65°	102.7	108.9	114.3	122.3	132.8	140.5	148.1	156.0	167.3	177.9	184.3
-67.5°	87.5	93.5	97.3	100.0	107.2	115.3	121.7	127.6	134.0	143.6	151.4
-70°	70.4	78.3	82.6	84.6	85.4	89.7	96.0	100.8	106.1	115.3	123.9
-72.5°	53.1	61.0	66.9	70.8	70.5	69.9	71.6	75.4	82.8	92.2	100.4
-75°	38.9	44.2	50.3	54.9	54.9	51.6	47.3	46.4	55.4	68.2	78.9
-77.5°	26.7	30.7	34.8	39.1	39.9	37.9	34.6	30.0	35.3	45.9	58.0
-80°	16.4	17.1	19.7	22.5	23.9	23.9	22.6	20.2	23.9	29.9	37.1
-82.5°	9.7	10.4	10.8	11.0	11.1	11.0	10.9	10.8	13.4	16.6	20.2
-85°	3.9	3.9	4.4	4.7	5.2	5.5	5.7	5.6	6.3	7.2	8.2
-87.5°	2.0	1.9	1.9	1.8	1.9	2.0	2.1	2.2	2.0	1.8	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: P558923 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-930-U-WR-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°	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5
85°	9.4	9.2	8.9	8.4	7.8	8.0	8.3	8.5	8.7	8.1	7.5
82.5°	24.2	26.0	27.6	29.5	31.4	31.1	30.2	28.9	27.4	24.4	21.1
80°	45.3	49.5	52.4	54.7	56.5	54.7	52.1	49.0	45.6	40.5	35.0
77.5°	70.3	74.6	76.8	79.5	82.4	83.0	83.2	83.5	83.8	74.4	62.4
75°	87.4	93.0	97.6	101.7	105.4	107.2	108.4	109.5	110.6	98.1	81.6
72.5°	107.4	112.8	117.3	121.8	125.7	128.7	131.0	132.9	134.4	124.3	109.9
70°	130.8	136.2	141.3	145.9	150.4	154.5	158.2	161.6	164.7	165.3	166.0
67.5°	157.2	160.5	166.5	172.3	179.2	184.3	189.9	195.2	200.0	204.2	207.6
65°	190.0	201.6	213.4	219.2	219.6	227.0	238.5	244.9	246.8	248.2	251.8
62.5°	244.9	259.9	267.8	278.1	292.3	307.7	313.7	322.2	332.5	344.3	354.9
60°	288.5	301.3	320.4	339.8	357.0	372.7	410.7	444.4	473.4	498.3	522.2
57.5°	342.7	363.8	393.0	445.5	493.5	536.9	611.3	702.0	782.8	853.6	915.7
55°	429.0	490.4	545.7	669.8	802.3	917.1	1024.5	1139.4	1232.8	1306.0	1373.6
52.5°	576.2	745.1	916.3	1077.4	1235.8	1380.0	1509.4	1611.2	1690.7	1750.3	1806.8
50°	922.4	1126.0	1334.6	1526.8	1682.4	1824.5	1959.2	2060.2	2144.7	2217.4	2281.8
47.5°	1299.9	1538.3	1735.4	1912.6	2080.3	2238.0	2385.2	2508.2	2612.3	2708.2	2788.1
45°	1675.5	1888.8	2090.9	2280.9	2463.3	2640.1	2798.6	2938.4	3076.2	3190.0	3280.0
42.5°	1993.2	2218.9	2433.9	2651.4	2855.4	3053.7	3245.1	3415.2	3561.5	3685.8	3785.9
40°	2298.1	2541.4	2796.7	3038.2	3280.5	3506.7	3718.8	3912.9	4079.6	4226.9	4351.5
37.5°	2608.3	2892.4	3173.0	3448.2	3715.1	3961.2	4204.6	4428.6	4623.8	4796.1	4940.8
35°	2935.7	3248.9	3554.3	3864.3	4155.8	4440.5	4709.6	4956.1	5172.4	5375.4	5549.9
32.5°	3263.8	3603.1	3946.9	4282.4	4605.3	4924.2	5219.3	5497.2	5752.9	5977.5	6163.8
30°	3583.2	3956.8	4324.6	4690.2	5058.7	5406.2	5733.0	6038.2	6315.6	6560.3	6772.0
27.5°	3889.7	4291.3	4685.8	5103.9	5504.4	5882.4	6237.4	6565.6	6875.2	7153.5	7393.8
25°	4173.3	4599.9	5059.7	5498.2	5926.7	6345.9	6735.0	7091.4	7445.4	7751.7	8012.5
22.5°	4441.3	4917.3	5401.4	5861.3	6334.1	6795.1	7230.6	7643.7	8021.7	8342.6	8620.8
20°	4696.0	5208.3	5707.2	6216.4	6728.4	7225.7	7705.2	8146.7	8546.1	8895.8	9209.5
17.5°	4936.7	5466.8	5996.9	6540.7	7093.6	7616.4	8124.5	8604.7	9040.8	9428.8	9782.4
15°	5144.9	5692.6	6260.3	6838.2	7416.5	7972.4	8511.6	9034.8	9525.4	9947.7	10304.3
12.5°	5321.8	5892.4	6492.9	7099.2	7708.8	8291.5	8863.1	9422.9	9944.4	10398.4	10764.6
10°	5468.5	6066.3	6693.6	7325.2	7950.4	8555.9	9150.3	9729.6	10289.7	10760.2	11136.3
7.5°	5590.8	6211.6	6853.3	7503.9	8134.8	8763.6	9383.5	9968.7	10520.5	11016.7	11403.2
5°	5682.1	6313.3	6968.6	7635.4	8275.9	8927.2	9565.6	10164.4	10710.8	11160.4	11475.9
2.5°	5750.1	6376.7	7043.5	7714.7	8363.7	9038.5	9690.4	10289.8	10849.1	11274.7	11547.9
0°	5796.4	6411.5	7111.4	7769.7	8429.5	9121.7	9766.0	10371.9	10933.0	11349.3	11631.4
-2.5°	5750.1	6376.7	7043.5	7714.7	8363.7	9038.5	9690.4	10289.8	10849.1	11274.7	11547.9
-5°	5682.1	6313.3	6968.6	7635.4	8275.9	8927.2	9565.6	10164.4	10710.8	11160.4	11475.9
-7.5°	5590.8	6211.6	6853.3	7503.9	8134.8	8763.6	9383.5	9968.7	10520.5	11016.7	11403.2
-10°	5468.5	6066.3	6693.6	7325.2	7950.4	8555.9	9150.3	9729.6	10289.7	10760.2	11136.3
-12.5°	5321.8	5892.4	6492.9	7099.2	7708.8	8291.5	8863.1	9422.9	9944.4	10398.4	10764.6
-15°	5144.9	5692.6	6260.3	6838.2	7416.5	7972.4	8511.6	9034.8	9525.4	9947.7	10304.3
-17.5°	4936.7	5466.8	5996.9	6540.7	7093.6	7616.4	8124.5	8604.7	9040.8	9428.8	9782.4
-20°	4696.0	5208.3	5707.2	6216.4	6728.4	7225.7	7705.2	8146.7	8546.1	8895.8	9209.5



REPORT NUMBER: P558923 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-930-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4441.3	4917.3	5401.4	5861.3	6334.1	6795.1	7230.6	7643.7	8021.7	8342.6	8620.8
-25°	4173.3	4599.9	5059.7	5498.2	5926.7	6345.9	6735.0	7091.4	7445.4	7751.7	8012.5
-27.5°	3889.7	4291.3	4685.8	5103.9	5504.4	5882.4	6237.4	6565.6	6875.2	7153.5	7393.8
-30°	3583.2	3956.8	4324.6	4690.2	5058.7	5406.2	5733.0	6038.2	6315.6	6560.3	6772.0
-32.5°	3263.8	3603.1	3946.9	4282.4	4605.3	4924.2	5219.3	5497.2	5752.9	5977.5	6163.8
-35°	2935.7	3248.9	3554.3	3864.3	4155.8	4440.5	4709.6	4956.1	5172.4	5375.4	5549.9
-37.5°	2608.3	2892.4	3173.0	3448.2	3715.1	3961.2	4204.6	4428.6	4623.8	4796.1	4940.8
-40°	2298.1	2541.4	2796.7	3038.2	3280.5	3506.7	3718.8	3912.9	4079.6	4226.9	4351.5
-42.5°	1993.2	2218.9	2433.9	2651.4	2855.4	3053.7	3245.1	3415.2	3561.5	3685.8	3785.9
-45°	1675.5	1888.8	2090.9	2280.9	2463.3	2640.1	2798.6	2938.4	3076.2	3190.0	3280.0
-47.5°	1299.9	1538.3	1735.4	1912.6	2080.3	2238.0	2385.2	2508.2	2612.3	2708.2	2788.1
-50°	922.4	1126.0	1334.6	1526.8	1682.4	1824.5	1959.2	2060.2	2144.7	2217.4	2281.8
-52.5°	576.2	745.1	916.3	1077.4	1235.8	1380.0	1509.4	1611.2	1690.7	1750.3	1806.8
-55°	429.0	490.4	545.7	669.8	802.3	917.1	1024.5	1139.4	1232.8	1306.0	1373.6
-57.5°	342.7	363.8	393.0	445.5	493.5	536.9	611.3	702.0	782.8	853.6	915.7
-60°	288.5	301.3	320.4	339.8	357.0	372.7	410.7	444.4	473.4	498.3	522.2
-62.5°	244.9	259.9	267.8	278.1	292.3	307.7	313.7	322.2	332.5	344.3	354.9
-65°	190.0	201.6	213.4	219.2	219.6	227.0	238.5	244.9	246.8	248.2	251.8
-67.5°	157.2	160.5	166.5	172.3	179.2	184.3	189.9	195.2	200.0	204.2	207.6
-70°	130.8	136.2	141.3	145.9	150.4	154.5	158.2	161.6	164.7	165.3	166.0
-72.5°	107.4	112.8	117.3	121.8	125.7	128.7	131.0	132.9	134.4	124.3	109.9
-75°	87.4	93.0	97.6	101.7	105.4	107.2	108.4	109.5	110.6	98.1	81.6
-77.5°	70.3	74.6	76.8	79.5	82.4	83.0	83.2	83.5	83.8	74.4	62.4
-80°	45.3	49.5	52.4	54.7	56.5	54.7	52.1	49.0	45.6	40.5	35.0
-82.5°	24.2	26.0	27.6	29.5	31.4	31.1	30.2	28.9	27.4	24.4	21.1
-85°	9.4	9.2	8.9	8.4	7.8	8.0	8.3	8.5	8.7	8.1	7.5
-87.5°	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	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: P558923 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-930-U-WR-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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
85°	6.9	6.2	6.2	6.2	6.2	6.2	6.9	7.5	8.1	8.7	8.5
82.5°	17.6	13.9	14.6	15.4	14.6	13.9	17.6	21.1	24.4	27.4	28.9
80°	29.2	23.1	23.9	24.7	23.9	23.1	29.2	35.0	40.5	45.6	49.0
77.5°	49.5	35.9	34.7	33.9	34.7	35.9	49.5	62.4	74.4	83.8	83.5
75°	64.6	47.2	46.1	46.2	46.1	47.2	64.6	81.6	98.1	110.6	109.5
72.5°	95.4	80.7	70.5	60.1	70.5	80.7	95.4	109.9	124.3	134.4	132.9
70°	167.8	169.9	169.0	166.5	169.0	169.9	167.8	166.0	165.3	164.7	161.6
67.5°	210.5	212.7	213.2	212.7	213.2	212.7	210.5	207.6	204.2	200.0	195.2
65°	254.3	255.8	257.0	257.4	257.0	255.8	254.3	251.8	248.2	246.8	244.9
62.5°	362.8	368.1	373.8	377.7	373.8	368.1	362.8	354.9	344.3	332.5	322.2
60°	543.2	560.5	568.2	568.9	568.2	560.5	543.2	522.2	498.3	473.4	444.4
57.5°	965.5	1002.7	1035.8	1060.6	1035.8	1002.7	965.5	915.7	853.6	782.8	702.0
55°	1427.5	1467.0	1489.4	1495.4	1489.4	1467.0	1427.5	1373.6	1306.0	1232.8	1139.4
52.5°	1849.7	1876.0	1901.0	1922.4	1901.0	1876.0	1849.7	1806.8	1750.3	1690.7	1611.2
50°	2330.4	2359.7	2384.4	2403.4	2384.4	2359.7	2330.4	2281.8	2217.4	2144.7	2060.2
47.5°	2844.3	2880.1	2906.6	2924.4	2906.6	2880.1	2844.3	2788.1	2708.2	2612.3	2508.2
45°	3357.0	3418.5	3455.8	3462.4	3455.8	3418.5	3357.0	3280.0	3190.0	3076.2	2938.4
42.5°	3872.4	3931.3	3971.1	4000.5	3971.1	3931.3	3872.4	3785.9	3685.8	3561.5	3415.2
40°	4455.3	4529.3	4563.2	4541.6	4563.2	4529.3	4455.3	4351.5	4226.9	4079.6	3912.9
37.5°	5052.4	5128.5	5167.7	5165.9	5167.7	5128.5	5052.4	4940.8	4796.1	4623.8	4428.6
35°	5685.5	5779.8	5830.8	5818.0	5830.8	5779.8	5685.5	5549.9	5375.4	5172.4	4956.1
32.5°	6312.6	6426.7	6500.3	6511.7	6500.3	6426.7	6312.6	6163.8	5977.5	5752.9	5497.2
30°	6941.7	7065.0	7138.2	7145.3	7138.2	7065.0	6941.7	6772.0	6560.3	6315.6	6038.2
27.5°	7595.4	7733.3	7809.9	7828.3	7809.9	7733.3	7595.4	7393.8	7153.5	6875.2	6565.6
25°	8235.0	8388.0	8476.0	8509.6	8476.0	8388.0	8235.0	8012.5	7751.7	7445.4	7091.4
22.5°	8851.7	9019.5	9134.1	9163.3	9134.1	9019.5	8851.7	8620.8	8342.6	8021.7	7643.7
20°	9470.2	9668.2	9814.8	9829.3	9814.8	9668.2	9470.2	9209.5	8895.8	8546.1	8146.7
17.5°	10065.7	10280.0	10436.9	10475.2	10436.9	10280.0	10065.7	9782.4	9428.8	9040.8	8604.7
15°	10598.9	10823.8	10975.3	11008.6	10975.3	10823.8	10598.9	10304.3	9947.7	9525.4	9034.8
12.5°	11059.0	11266.3	11407.7	11461.8	11407.7	11266.3	11059.0	10764.6	10398.4	9944.4	9422.9
10°	11429.6	11589.8	11716.1	11773.2	11716.1	11589.8	11429.6	11136.3	10760.2	10289.7	9729.6
7.5°	11636.5	11768.3	11855.8	11887.3	11855.8	11768.3	11636.5	11403.2	11016.7	10520.5	9968.7
5°	11718.3	11844.6	11892.0	11919.7	11892.0	11844.6	11718.3	11475.9	11160.4	10710.8	10164.4
2.5°	11729.5	11830.5	11928.0	11992.1	11928.0	11830.5	11729.5	11547.9	11274.7	10849.1	10289.8
0°	11794.8	11893.5	11947.4	11978.2	11947.4	11893.5	11794.8	11631.4	11349.3	10933.0	10371.9
-2.5°	11729.5	11830.5	11928.0	11992.1	11928.0	11830.5	11729.5	11547.9	11274.7	10849.1	10289.8
-5°	11718.3	11844.6	11892.0	11919.7	11892.0	11844.6	11718.3	11475.9	11160.4	10710.8	10164.4
-7.5°	11636.5	11768.3	11855.8	11887.3	11855.8	11768.3	11636.5	11403.2	11016.7	10520.5	9968.7
-10°	11429.6	11589.8	11716.1	11773.2	11716.1	11589.8	11429.6	11136.3	10760.2	10289.7	9729.6
-12.5°	11059.0	11266.3	11407.7	11461.8	11407.7	11266.3	11059.0	10764.6	10398.4	9944.4	9422.9
-15°	10598.9	10823.8	10975.3	11008.6	10975.3	10823.8	10598.9	10304.3	9947.7	9525.4	9034.8
-17.5°	10065.7	10280.0	10436.9	10475.2	10436.9	10280.0	10065.7	9782.4	9428.8	9040.8	8604.7
-20°	9470.2	9668.2	9814.8	9829.3	9814.8	9668.2	9470.2	9209.5	8895.8	8546.1	8146.7



REPORT NUMBER: P558923 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8851.7	9019.5	9134.1	9163.3	9134.1	9019.5	8851.7	8620.8	8342.6	8021.7	7643.7
-25°	8235.0	8388.0	8476.0	8509.6	8476.0	8388.0	8235.0	8012.5	7751.7	7445.4	7091.4
-27.5°	7595.4	7733.3	7809.9	7828.3	7809.9	7733.3	7595.4	7393.8	7153.5	6875.2	6565.6
-30°	6941.7	7065.0	7138.2	7145.3	7138.2	7065.0	6941.7	6772.0	6560.3	6315.6	6038.2
-32.5°	6312.6	6426.7	6500.3	6511.7	6500.3	6426.7	6312.6	6163.8	5977.5	5752.9	5497.2
-35°	5685.5	5779.8	5830.8	5818.0	5830.8	5779.8	5685.5	5549.9	5375.4	5172.4	4956.1
-37.5°	5052.4	5128.5	5167.7	5165.9	5167.7	5128.5	5052.4	4940.8	4796.1	4623.8	4428.6
-40°	4455.3	4529.3	4563.2	4541.6	4563.2	4529.3	4455.3	4351.5	4226.9	4079.6	3912.9
-42.5°	3872.4	3931.3	3971.1	4000.5	3971.1	3931.3	3872.4	3785.9	3685.8	3561.5	3415.2
-45°	3357.0	3418.5	3455.8	3462.4	3455.8	3418.5	3357.0	3280.0	3190.0	3076.2	2938.4
-47.5°	2844.3	2880.1	2906.6	2924.4	2906.6	2880.1	2844.3	2788.1	2708.2	2612.3	2508.2
-50°	2330.4	2359.7	2384.4	2403.4	2384.4	2359.7	2330.4	2281.8	2217.4	2144.7	2060.2
-52.5°	1849.7	1876.0	1901.0	1922.4	1901.0	1876.0	1849.7	1806.8	1750.3	1690.7	1611.2
-55°	1427.5	1467.0	1489.4	1495.4	1489.4	1467.0	1427.5	1373.6	1306.0	1232.8	1139.4
-57.5°	965.5	1002.7	1035.8	1060.6	1035.8	1002.7	965.5	915.7	853.6	782.8	702.0
-60°	543.2	560.5	568.2	568.9	568.2	560.5	543.2	522.2	498.3	473.4	444.4
-62.5°	362.8	368.1	373.8	377.7	373.8	368.1	362.8	354.9	344.3	332.5	322.2
-65°	254.3	255.8	257.0	257.4	257.0	255.8	254.3	251.8	248.2	246.8	244.9
-67.5°	210.5	212.7	213.2	212.7	213.2	212.7	210.5	207.6	204.2	200.0	195.2
-70°	167.8	169.9	169.0	166.5	169.0	169.9	167.8	166.0	165.3	164.7	161.6
-72.5°	95.4	80.7	70.5	60.1	70.5	80.7	95.4	109.9	124.3	134.4	132.9
-75°	64.6	47.2	46.1	46.2	46.1	47.2	64.6	81.6	98.1	110.6	109.5
-77.5°	49.5	35.9	34.7	33.9	34.7	35.9	49.5	62.4	74.4	83.8	83.5
-80°	29.2	23.1	23.9	24.7	23.9	23.1	29.2	35.0	40.5	45.6	49.0
-82.5°	17.6	13.9	14.6	15.4	14.6	13.9	17.6	21.1	24.4	27.4	28.9
-85°	6.9	6.2	6.2	6.2	6.2	6.2	6.9	7.5	8.1	8.7	8.5
-87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.5	1.8	2.0	2.2
85°	8.3	8.0	7.8	8.4	8.9	9.2	9.4	8.2	7.2	6.3	5.6
82.5°	30.2	31.1	31.4	29.5	27.6	26.0	24.2	20.2	16.6	13.4	10.8
80°	52.1	54.7	56.5	54.7	52.4	49.5	45.3	37.1	29.9	23.9	20.2
77.5°	83.2	83.0	82.4	79.5	76.8	74.6	70.3	58.0	45.9	35.3	30.0
75°	108.4	107.2	105.4	101.7	97.6	93.0	87.4	78.9	68.2	55.4	46.4
72.5°	131.0	128.7	125.7	121.8	117.3	112.8	107.4	100.4	92.2	82.8	75.4
70°	158.2	154.5	150.4	145.9	141.3	136.2	130.8	123.9	115.3	106.1	100.8
67.5°	189.9	184.3	179.2	172.3	166.5	160.5	157.2	151.4	143.6	134.0	127.6
65°	238.5	227.0	219.6	219.2	213.4	201.6	190.0	184.3	177.9	167.3	156.0
62.5°	313.7	307.7	292.3	278.1	267.8	259.9	244.9	228.9	216.5	205.5	190.9
60°	410.7	372.7	357.0	339.8	320.4	301.3	288.5	273.0	254.6	240.0	225.0
57.5°	611.3	536.9	493.5	445.5	393.0	363.8	342.7	318.3	297.6	277.3	258.5
55°	1024.5	917.1	802.3	669.8	545.7	490.4	429.0	380.6	350.7	316.5	294.0
52.5°	1509.4	1380.0	1235.8	1077.4	916.3	745.1	576.2	504.5	422.1	371.3	333.6
50°	1959.2	1824.5	1682.4	1526.8	1334.6	1126.0	922.4	719.4	553.5	458.8	383.2
47.5°	2385.2	2238.0	2080.3	1912.6	1735.4	1538.3	1299.9	1049.9	814.8	578.9	475.8
45°	2798.6	2640.1	2463.3	2280.9	2090.9	1888.8	1675.5	1419.0	1136.2	864.8	584.6
42.5°	3245.1	3053.7	2855.4	2651.4	2433.9	2218.9	1993.2	1752.6	1481.2	1169.4	866.0
40°	3718.8	3506.7	3280.5	3038.2	2796.7	2541.4	2298.1	2045.0	1780.9	1486.4	1144.4
37.5°	4204.6	3961.2	3715.1	3448.2	3173.0	2892.4	2608.3	2329.6	2047.5	1759.8	1428.6
35°	4709.6	4440.5	4155.8	3864.3	3554.3	3248.9	2935.7	2619.0	2310.5	2003.3	1686.7
32.5°	5219.3	4924.2	4605.3	4282.4	3946.9	3603.1	3263.8	2920.0	2567.6	2240.0	1908.5
30°	5733.0	5406.2	5058.7	4690.2	4324.6	3956.8	3583.2	3206.2	2828.8	2465.0	2121.2
27.5°	6237.4	5882.4	5504.4	5103.9	4685.8	4291.3	3889.7	3481.2	3074.8	2687.4	2318.4
25°	6735.0	6345.9	5926.7	5498.2	5059.7	4599.9	4173.3	3743.7	3316.2	2895.1	2496.7
22.5°	7230.6	6795.1	6334.1	5861.3	5401.4	4917.3	4441.3	3985.1	3539.1	3092.8	2671.0
20°	7705.2	7225.7	6728.4	6216.4	5707.2	5208.3	4696.0	4211.0	3739.9	3277.7	2833.1
17.5°	8124.5	7616.4	7093.6	6540.7	5996.9	5466.8	4936.7	4418.0	3921.8	3438.6	2979.9
15°	8511.6	7972.4	7416.5	6838.2	6260.3	5692.6	5144.9	4600.2	4084.8	3581.5	3110.1
12.5°	8863.1	8291.5	7708.8	7099.2	6492.9	5892.4	5321.8	4764.4	4227.3	3708.9	3220.0
10°	9150.3	8555.9	7950.4	7325.2	6693.6	6066.3	5468.5	4896.9	4342.1	3810.3	3311.4
7.5°	9383.5	8763.6	8134.8	7503.9	6853.3	6211.6	5590.8	4997.0	4431.7	3884.5	3383.4
5°	9565.6	8927.2	8275.9	7635.4	6968.6	6313.3	5682.1	5064.3	4494.5	3932.1	3435.2
2.5°	9690.4	9038.5	8363.7	7714.7	7043.5	6376.7	5750.1	5116.5	4539.3	3982.2	3480.6
0°	9766.0	9121.7	8429.5	7769.7	7111.4	6411.5	5796.4	5152.0	4558.5	4014.3	3504.1
-2.5°	9690.4	9038.5	8363.7	7714.7	7043.5	6376.7	5750.1	5116.5	4539.3	3982.2	3480.6
-5°	9565.6	8927.2	8275.9	7635.4	6968.6	6313.3	5682.1	5064.3	4494.5	3932.1	3435.2
-7.5°	9383.5	8763.6	8134.8	7503.9	6853.3	6211.6	5590.8	4997.0	4431.7	3884.5	3383.4
-10°	9150.3	8555.9	7950.4	7325.2	6693.6	6066.3	5468.5	4896.9	4342.1	3810.3	3311.4
-12.5°	8863.1	8291.5	7708.8	7099.2	6492.9	5892.4	5321.8	4764.4	4227.3	3708.9	3220.0
-15°	8511.6	7972.4	7416.5	6838.2	6260.3	5692.6	5144.9	4600.2	4084.8	3581.5	3110.1
-17.5°	8124.5	7616.4	7093.6	6540.7	5996.9	5466.8	4936.7	4418.0	3921.8	3438.6	2979.9
-20°	7705.2	7225.7	6728.4	6216.4	5707.2	5208.3	4696.0	4211.0	3739.9	3277.7	2833.1



REPORT NUMBER: P558923 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-930-U-WR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7230.6	6795.1	6334.1	5861.3	5401.4	4917.3	4441.3	3985.1	3539.1	3092.8	2671.0
-25°	6735.0	6345.9	5926.7	5498.2	5059.7	4599.9	4173.3	3743.7	3316.2	2895.1	2496.7
-27.5°	6237.4	5882.4	5504.4	5103.9	4685.8	4291.3	3889.7	3481.2	3074.8	2687.4	2318.4
-30°	5733.0	5406.2	5058.7	4690.2	4324.6	3956.8	3583.2	3206.2	2828.8	2465.0	2121.2
-32.5°	5219.3	4924.2	4605.3	4282.4	3946.9	3603.1	3263.8	2920.0	2567.6	2240.0	1908.5
-35°	4709.6	4440.5	4155.8	3864.3	3554.3	3248.9	2935.7	2619.0	2310.5	2003.3	1686.7
-37.5°	4204.6	3961.2	3715.1	3448.2	3173.0	2892.4	2608.3	2329.6	2047.5	1759.8	1428.6
-40°	3718.8	3506.7	3280.5	3038.2	2796.7	2541.4	2298.1	2045.0	1780.9	1486.4	1144.4
-42.5°	3245.1	3053.7	2855.4	2651.4	2433.9	2218.9	1993.2	1752.6	1481.2	1169.4	866.0
-45°	2798.6	2640.1	2463.3	2280.9	2090.9	1888.8	1675.5	1419.0	1136.2	864.8	584.6
-47.5°	2385.2	2238.0	2080.3	1912.6	1735.4	1538.3	1299.9	1049.9	814.8	578.9	475.8
-50°	1959.2	1824.5	1682.4	1526.8	1334.6	1126.0	922.4	719.4	553.5	458.8	383.2
-52.5°	1509.4	1380.0	1235.8	1077.4	916.3	745.1	576.2	504.5	422.1	371.3	333.6
-55°	1024.5	917.1	802.3	669.8	545.7	490.4	429.0	380.6	350.7	316.5	294.0
-57.5°	611.3	536.9	493.5	445.5	393.0	363.8	342.7	318.3	297.6	277.3	258.5
-60°	410.7	372.7	357.0	339.8	320.4	301.3	288.5	273.0	254.6	240.0	225.0
-62.5°	313.7	307.7	292.3	278.1	267.8	259.9	244.9	228.9	216.5	205.5	190.9
-65°	238.5	227.0	219.6	219.2	213.4	201.6	190.0	184.3	177.9	167.3	156.0
-67.5°	189.9	184.3	179.2	172.3	166.5	160.5	157.2	151.4	143.6	134.0	127.6
-70°	158.2	154.5	150.4	145.9	141.3	136.2	130.8	123.9	115.3	106.1	100.8
-72.5°	131.0	128.7	125.7	121.8	117.3	112.8	107.4	100.4	92.2	82.8	75.4
-75°	108.4	107.2	105.4	101.7	97.6	93.0	87.4	78.9	68.2	55.4	46.4
-77.5°	83.2	83.0	82.4	79.5	76.8	74.6	70.3	58.0	45.9	35.3	30.0
-80°	52.1	54.7	56.5	54.7	52.4	49.5	45.3	37.1	29.9	23.9	20.2
-82.5°	30.2	31.1	31.4	29.5	27.6	26.0	24.2	20.2	16.6	13.4	10.8
-85°	8.3	8.0	7.8	8.4	8.9	9.2	9.4	8.2	7.2	6.3	5.6
-87.5°	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.5	1.8	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



REPORT NUMBER: P558923 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-930-U-WR-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°	2.1	2.0	1.9	1.8	1.9	1.9	2.0	1.9	1.8	1.6	1.4
85°	5.7	5.5	5.2	4.7	4.4	3.9	3.9	3.9	3.5	3.1	2.8
82.5°	10.9	11.0	11.1	11.0	10.8	10.4	9.7	8.7	6.8	4.9	4.1
80°	22.6	23.9	23.9	22.5	19.7	17.1	16.4	15.1	12.5	9.9	7.4
77.5°	34.6	37.9	39.9	39.1	34.8	30.7	26.7	22.5	18.1	14.8	11.6
75°	47.3	51.6	54.9	54.9	50.3	44.2	38.9	33.3	26.7	20.0	15.7
72.5°	71.6	69.9	70.5	70.8	66.9	61.0	53.1	44.0	36.3	28.6	20.7
70°	96.0	89.7	85.4	84.6	82.6	78.3	70.4	58.5	45.9	37.1	28.2
67.5°	121.7	115.3	107.2	100.0	97.3	93.5	87.5	73.6	58.7	45.5	35.5
65°	148.1	140.5	132.8	122.3	114.3	108.9	102.7	87.9	71.1	55.8	42.8
62.5°	176.9	164.5	154.6	143.2	132.4	124.2	117.6	101.6	83.1	65.7	50.6
60°	208.7	192.7	176.5	163.0	150.1	138.5	129.2	115.3	96.2	75.1	58.3
57.5°	240.8	221.4	201.2	183.2	168.0	153.6	140.2	126.8	109.2	86.6	65.3
55°	273.0	251.4	225.9	203.9	185.8	169.7	152.2	137.2	121.4	98.5	70.8
52.5°	304.2	279.7	252.4	225.1	203.0	184.8	165.4	147.6	131.0	110.5	78.8
50°	342.3	306.8	278.0	248.5	219.9	198.6	177.8	158.5	140.5	121.4	86.3
47.5°	386.4	341.4	303.4	271.4	240.4	212.2	190.2	168.8	150.0	129.8	92.8
45°	474.3	380.8	333.1	294.9	259.8	228.7	202.5	178.5	158.5	133.5	98.3
42.5°	574.8	454.3	368.1	318.1	280.7	245.1	214.4	189.1	166.5	135.9	101.4
40°	816.5	546.1	415.2	349.1	301.7	260.5	228.0	199.6	173.1	137.4	102.6
37.5°	1064.9	716.4	497.9	379.3	324.0	279.3	240.9	209.8	176.0	138.8	102.9
35°	1316.9	939.1	579.0	433.6	350.8	297.4	252.6	219.9	182.5	140.3	102.4
32.5°	1556.1	1154.1	765.0	505.5	376.5	315.0	266.4	230.0	190.7	141.7	101.0
30°	1761.3	1363.0	949.2	574.2	412.3	336.8	281.6	239.5	200.5	143.0	99.5
27.5°	1947.9	1558.1	1122.5	707.3	471.5	357.8	296.0	248.5	211.7	146.5	99.8
25°	2119.6	1724.5	1289.7	853.3	527.2	377.8	309.0	257.0	220.6	154.1	99.9
22.5°	2271.3	1872.6	1442.7	986.2	577.3	397.2	323.1	267.8	227.4	162.1	99.6
20°	2407.5	2007.2	1581.7	1109.0	659.8	438.8	338.3	277.4	233.5	170.4	99.1
17.5°	2529.9	2124.3	1698.6	1225.5	758.4	475.5	352.1	285.8	239.0	178.7	98.2
15°	2649.4	2223.7	1797.8	1328.5	845.2	507.3	364.6	293.0	243.9	186.8	97.6
12.5°	2749.9	2308.7	1881.5	1417.6	919.9	534.2	375.5	299.0	248.0	194.0	97.0
10°	2830.5	2378.8	1949.5	1492.0	982.0	556.1	384.8	303.5	251.3	199.9	95.1
7.5°	2891.3	2433.7	2002.0	1551.5	1031.1	574.2	390.8	306.1	253.8	204.7	92.0
5°	2935.1	2475.1	2040.3	1595.5	1066.6	588.9	394.6	307.5	255.8	208.1	88.1
2.5°	2971.4	2504.2	2064.3	1623.6	1088.3	599.1	396.4	307.7	257.0	209.8	83.6
0°	2989.2	2517.4	2073.5	1635.6	1096.1	604.3	396.2	306.8	257.4	209.7	78.6
-2.5°	2971.4	2504.2	2064.3	1623.6	1088.3	599.1	396.4	307.7	257.0	209.8	83.6
-5°	2935.1	2475.1	2040.3	1595.5	1066.6	588.9	394.6	307.5	255.8	208.1	88.1
-7.5°	2891.3	2433.7	2002.0	1551.5	1031.1	574.2	390.8	306.1	253.8	204.7	92.0
-10°	2830.5	2378.8	1949.5	1492.0	982.0	556.1	384.8	303.5	251.3	199.9	95.1
-12.5°	2749.9	2308.7	1881.5	1417.6	919.9	534.2	375.5	299.0	248.0	194.0	97.0
-15°	2649.4	2223.7	1797.8	1328.5	845.2	507.3	364.6	293.0	243.9	186.8	97.6
-17.5°	2529.9	2124.3	1698.6	1225.5	758.4	475.5	352.1	285.8	239.0	178.7	98.2
-20°	2407.5	2007.2	1581.7	1109.0	659.8	438.8	338.3	277.4	233.5	170.4	99.1



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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°	2271.3	1872.6	1442.7	986.2	577.3	397.2	323.1	267.8	227.4	162.1	99.6
-25°	2119.6	1724.5	1289.7	853.3	527.2	377.8	309.0	257.0	220.6	154.1	99.9
-27.5°	1947.9	1558.1	1122.5	707.3	471.5	357.8	296.0	248.5	211.7	146.5	99.8
-30°	1761.3	1363.0	949.2	574.2	412.3	336.8	281.6	239.5	200.5	143.0	99.5
-32.5°	1556.1	1154.1	765.0	505.5	376.5	315.0	266.4	230.0	190.7	141.7	101.0
-35°	1316.9	939.1	579.0	433.6	350.8	297.4	252.6	219.9	182.5	140.3	102.4
-37.5°	1064.9	716.4	497.9	379.3	324.0	279.3	240.9	209.8	176.0	138.8	102.9
-40°	816.5	546.1	415.2	349.1	301.7	260.5	228.0	199.6	173.1	137.4	102.6
-42.5°	574.8	454.3	368.1	318.1	280.7	245.1	214.4	189.1	166.5	135.9	101.4
-45°	474.3	380.8	333.1	294.9	259.8	228.7	202.5	178.5	158.5	133.5	98.3
-47.5°	386.4	341.4	303.4	271.4	240.4	212.2	190.2	168.8	150.0	129.8	92.8
-50°	342.3	306.8	278.0	248.5	219.9	198.6	177.8	158.5	140.5	121.4	86.3
-52.5°	304.2	279.7	252.4	225.1	203.0	184.8	165.4	147.6	131.0	110.5	78.8
-55°	273.0	251.4	225.9	203.9	185.8	169.7	152.2	137.2	121.4	98.5	70.8
-57.5°	240.8	221.4	201.2	183.2	168.0	153.6	140.2	126.8	109.2	86.6	65.3
-60°	208.7	192.7	176.5	163.0	150.1	138.5	129.2	115.3	96.2	75.1	58.3
-62.5°	176.9	164.5	154.6	143.2	132.4	124.2	117.6	101.6	83.1	65.7	50.6
-65°	148.1	140.5	132.8	122.3	114.3	108.9	102.7	87.9	71.1	55.8	42.8
-67.5°	121.7	115.3	107.2	100.0	97.3	93.5	87.5	73.6	58.7	45.5	35.5
-70°	96.0	89.7	85.4	84.6	82.6	78.3	70.4	58.5	45.9	37.1	28.2
-72.5°	71.6	69.9	70.5	70.8	66.9	61.0	53.1	44.0	36.3	28.6	20.7
-75°	47.3	51.6	54.9	54.9	50.3	44.2	38.9	33.3	26.7	20.0	15.7
-77.5°	34.6	37.9	39.9	39.1	34.8	30.7	26.7	22.5	18.1	14.8	11.6
-80°	22.6	23.9	23.9	22.5	19.7	17.1	16.4	15.1	12.5	9.9	7.4
-82.5°	10.9	11.0	11.1	11.0	10.8	10.4	9.7	8.7	6.8	4.9	4.1
-85°	5.7	5.5	5.2	4.7	4.4	3.9	3.9	3.9	3.5	3.1	2.8
-87.5°	2.1	2.0	1.9	1.8	1.9	1.9	2.0	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°	5.0	4.0	3.2	2.4	1.6	0.8	0.0
77.5°	8.5	5.5	4.0	3.0	2.0	1.0	0.0
75°	11.9	7.9	4.9	3.6	2.4	1.2	0.0
72.5°	15.1	10.3	6.5	4.1	2.8	1.4	0.0
70°	18.6	12.6	8.1	4.8	3.1	1.6	0.0
67.5°	24.3	14.7	9.6	5.7	3.5	1.8	0.0
65°	29.6	17.6	11.0	6.6	3.9	1.9	0.0
62.5°	34.5	21.1	12.3	7.5	4.2	2.1	0.0
60°	39.0	24.3	13.6	8.3	4.6	2.3	0.0
57.5°	43.6	27.2	15.5	9.0	5.1	2.5	0.0
55°	47.6	29.8	17.2	9.7	5.5	2.6	0.0
52.5°	51.1	32.1	18.7	10.3	5.9	2.8	0.0
50°	54.0	34.2	20.0	10.9	6.4	3.0	0.0
47.5°	56.7	35.9	21.1	11.4	6.8	3.1	0.0
45°	61.3	37.2	21.9	12.0	7.2	3.3	0.0
42.5°	65.1	38.0	22.6	12.5	7.5	3.4	0.0
40°	68.2	38.4	23.0	13.1	7.9	3.5	0.0
37.5°	70.5	38.4	23.1	13.7	8.2	3.6	0.0
35°	72.0	39.3	23.1	14.3	8.6	3.8	0.0
32.5°	72.3	40.4	22.7	14.9	8.9	3.9	0.0
30°	71.0	40.9	22.2	15.4	9.1	4.0	0.0
27.5°	69.0	40.9	22.7	15.9	9.4	4.1	0.0
25°	66.5	40.4	23.4	16.3	9.6	4.2	0.0
22.5°	63.5	40.4	24.1	16.7	9.9	4.2	0.0
20°	60.0	42.3	24.7	17.1	10.1	4.3	0.0
17.5°	59.3	44.0	25.2	17.4	10.2	4.4	0.0
15°	60.5	45.4	25.8	17.7	10.4	4.4	0.0
12.5°	61.6	46.6	26.2	17.9	10.5	4.5	0.0
10°	62.5	47.6	26.6	18.1	10.6	4.5	0.0
7.5°	63.3	48.3	27.0	18.3	10.7	4.6	0.0
5°	63.9	48.9	27.3	18.4	10.8	4.6	0.0
2.5°	64.4	49.2	27.5	18.5	10.8	4.6	0.0
0°	64.7	49.3	27.7	18.5	10.8	4.6	0.0
-2.5°	64.4	49.2	27.5	18.5	10.8	4.6	0.0
-5°	63.9	48.9	27.3	18.4	10.8	4.6	0.0
-7.5°	63.3	48.3	27.0	18.3	10.7	4.6	0.0
-10°	62.5	47.6	26.6	18.1	10.6	4.5	0.0
-12.5°	61.6	46.6	26.2	17.9	10.5	4.5	0.0
-15°	60.5	45.4	25.8	17.7	10.4	4.4	0.0
-17.5°	59.3	44.0	25.2	17.4	10.2	4.4	0.0
-20°	60.0	42.3	24.7	17.1	10.1	4.3	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	63.5	40.4	24.1	16.7	9.9	4.2	0.0
-25°	66.5	40.4	23.4	16.3	9.6	4.2	0.0
-27.5°	69.0	40.9	22.7	15.9	9.4	4.1	0.0
-30°	71.0	40.9	22.2	15.4	9.1	4.0	0.0
-32.5°	72.3	40.4	22.7	14.9	8.9	3.9	0.0
-35°	72.0	39.3	23.1	14.3	8.6	3.8	0.0
-37.5°	70.5	38.4	23.1	13.7	8.2	3.6	0.0
-40°	68.2	38.4	23.0	13.1	7.9	3.5	0.0
-42.5°	65.1	38.0	22.6	12.5	7.5	3.4	0.0
-45°	61.3	37.2	21.9	12.0	7.2	3.3	0.0
-47.5°	56.7	35.9	21.1	11.4	6.8	3.1	0.0
-50°	54.0	34.2	20.0	10.9	6.4	3.0	0.0
-52.5°	51.1	32.1	18.7	10.3	5.9	2.8	0.0
-55°	47.6	29.8	17.2	9.7	5.5	2.6	0.0
-57.5°	43.6	27.2	15.5	9.0	5.1	2.5	0.0
-60°	39.0	24.3	13.6	8.3	4.6	2.3	0.0
-62.5°	34.5	21.1	12.3	7.5	4.2	2.1	0.0
-65°	29.6	17.6	11.0	6.6	3.9	1.9	0.0
-67.5°	24.3	14.7	9.6	5.7	3.5	1.8	0.0
-70°	18.6	12.6	8.1	4.8	3.1	1.6	0.0
-72.5°	15.1	10.3	6.5	4.1	2.8	1.4	0.0
-75°	11.9	7.9	4.9	3.6	2.4	1.2	0.0
-77.5°	8.5	5.5	4.0	3.0	2.0	1.0	0.0
-80°	5.0	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)