

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: P558907 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4B-940-U-WR-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558907 (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-SA4B-940-U-WR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6
Light Source: (64) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

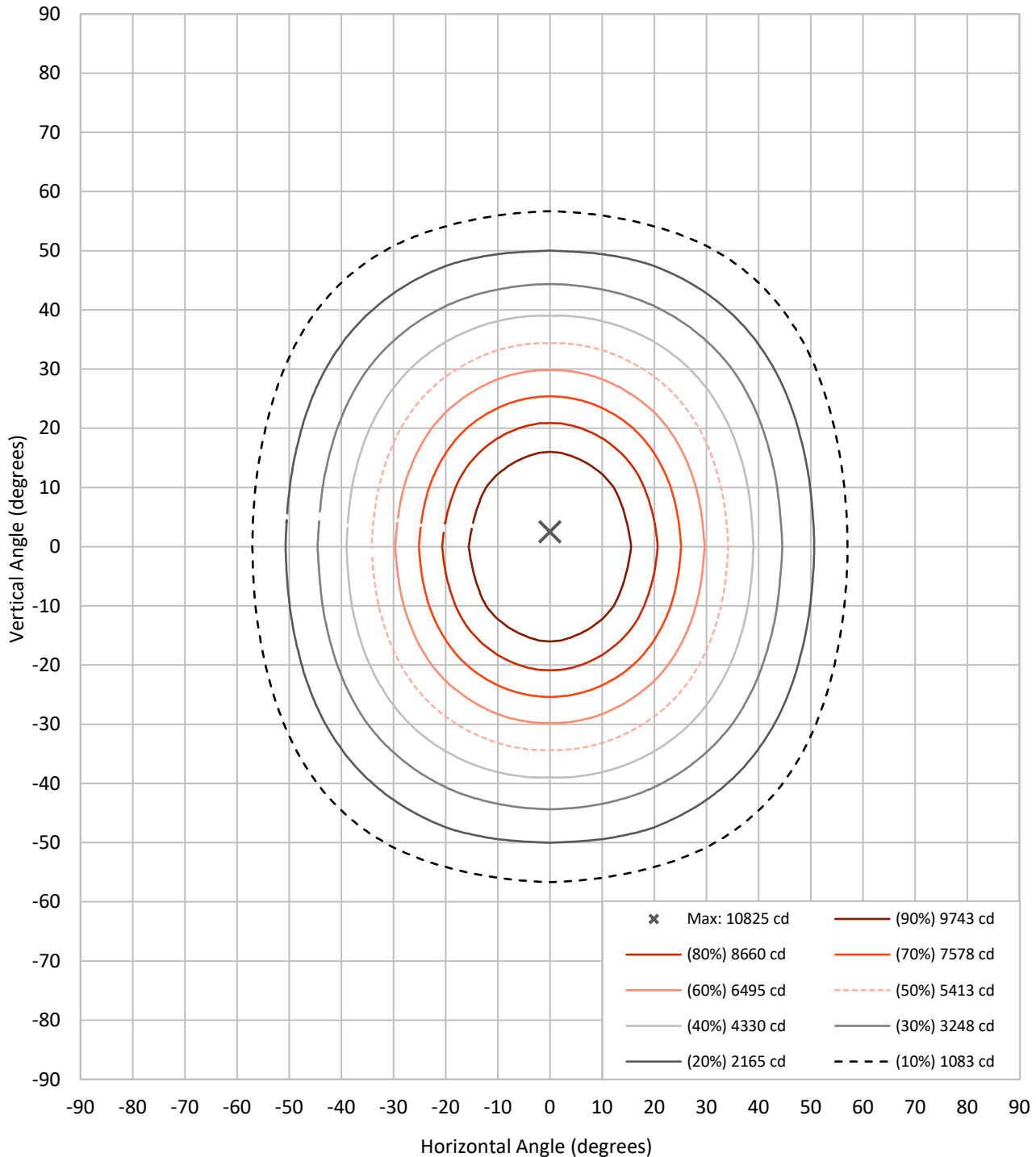
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	14650.7 lumens	Max Intensity:	10825 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 2.5°V
Efficacy:	116.3 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	68°H x 68.7°V	Field Angle (10%):	114°H x 113.4°V
Beam Lumens:	8784.1 lumens	Field Lumens:	13995.3 lumens
Beam Efficiency:	60.0%	Field Efficiency:	95.5%

Input Watts (W): 126
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





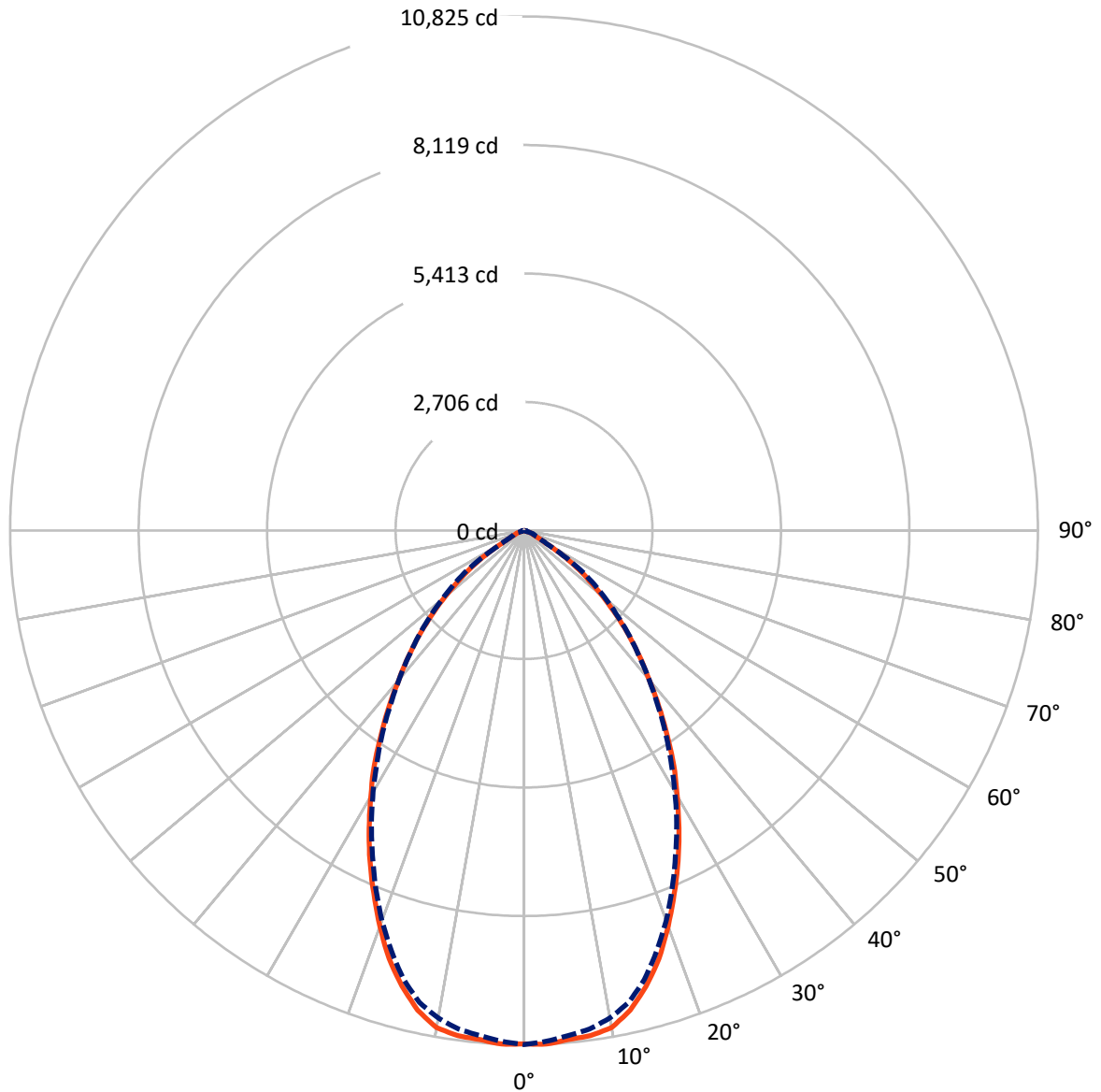
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Lumen Table

90																			
80	0.1	1.4		3.5		6.1		4.3		6.1		3.5		1.4		0.1			
70																			
60	0.7	1.0	2.0	3.1	4.5	5.9	7.3	8.2	8.2	7.3	5.9	4.5	3.1	2.0	1.0	0.7			
50		1.6	3.3	5.9	11.4	22.0	33.0	39.5	39.5	33.0	22.0	11.4	5.9	3.3	1.6				
40	1.1	2.1	4.8	14.0	36.9	61.4	81.7	93.1	93.1	81.7	61.4	36.9	14.0	4.8	2.1	1.1			
30		2.6	8.2	32.4	66.3	103.5	137.2	157.3	157.3	137.2	103.5	66.3	32.4	8.2	2.6				
20	1.2	3.1	15.0	48.9	94.1	147.2	196.8	227.9	227.9	196.8	147.2	94.1	48.9	15.0	3.1	1.2			
10		3.7	21.4	60.9	115.9	183.9	250.5	292.7	292.7	250.5	183.9	115.9	60.9	21.4	3.7				
0	1.3	4.0	25.0	67.3	128.2	205.5	281.4	321.7	321.7	281.4	205.5	128.2	67.3	25.0	4.0	1.3			
-10		4.0	25.0	67.3	128.2	205.5	281.4	321.7	321.7	281.4	205.5	128.2	67.3	25.0	4.0				
-20	1.2	3.7	21.4	60.9	115.9	183.9	250.5	292.7	292.7	250.5	183.9	115.9	60.9	21.4	3.7	1.2			
-30		3.1	15.0	48.9	94.1	147.2	196.8	227.9	227.9	196.8	147.2	94.1	48.9	15.0	3.1				
-40	1.1	2.6	8.2	32.4	66.3	103.5	137.2	157.3	157.3	137.2	103.5	66.3	32.4	8.2	2.6	1.1			
-50		2.1	4.8	14.0	36.9	61.4	81.7	93.1	93.1	81.7	61.4	36.9	14.0	4.8	2.1				
-60	0.7	1.6	3.3	5.9	11.4	22.0	33.0	39.5	39.5	33.0	22.0	11.4	5.9	3.3	1.6	0.7			
-70		1.0	2.0	3.1	4.5	5.9	7.3	8.2	8.2	7.3	5.9	4.5	3.1	2.0	1.0				
-80																			
-90	0.1	1.4		3.5		6.1		4.3		6.1		3.5		1.4		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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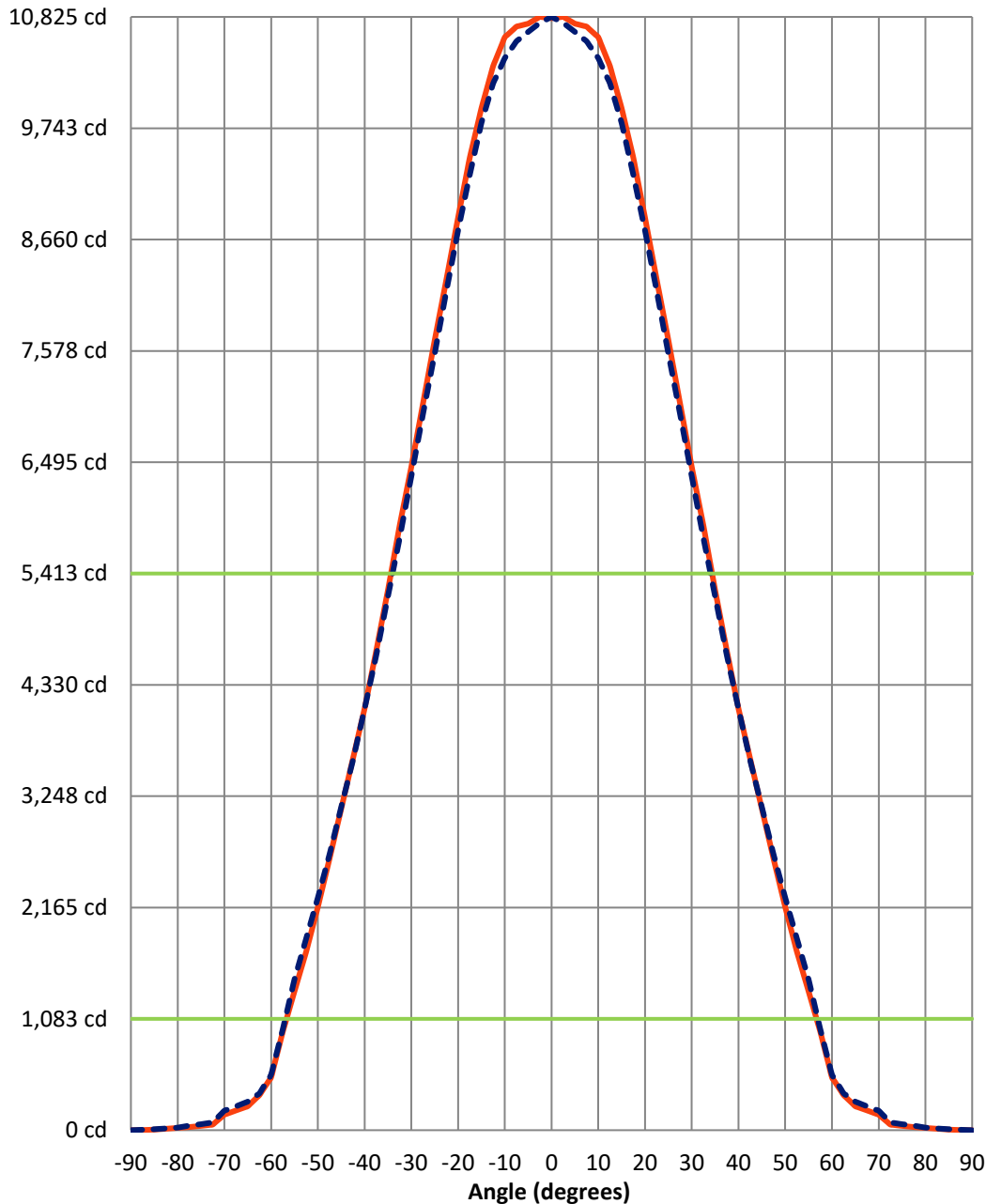
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 68°
V Angle: 68.7°
Lumens: 8784.1
Efficiency: 60.0%

Field:
H Angle: 114°
V Angle: 113.4°
Lumens: 13995.3
Efficiency: 95.5%

Spill:
Lumens: 655.4
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	0.5	0.7	0.9	1.1	1.3	1.4	1.6	1.8
85°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.5	2.9	3.2	3.5
82.5°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.5	6.2	7.9
80°	0.0	0.7	1.5	2.2	2.9	3.6	4.6	6.7	9.0	11.3	13.7
77.5°	0.0	0.9	1.8	2.7	3.6	5.0	7.7	10.5	13.4	16.3	20.4
75°	0.0	1.1	2.2	3.3	4.5	7.2	10.7	14.2	18.1	24.1	30.1
72.5°	0.0	1.3	2.5	3.8	5.9	9.3	13.7	18.7	25.8	32.8	39.7
70°	0.0	1.4	2.9	4.4	7.3	11.3	16.8	25.5	33.5	41.5	52.8
67.5°	0.0	1.6	3.2	5.2	8.6	13.3	21.9	32.1	41.1	53.0	66.4
65°	0.0	1.8	3.5	6.0	9.9	15.9	26.7	38.6	50.4	64.2	79.3
62.5°	0.0	1.9	3.9	6.7	11.1	19.1	31.2	45.7	59.3	75.1	91.7
60°	0.0	2.1	4.2	7.5	12.2	22.0	35.3	52.7	67.8	86.8	104.1
57.5°	0.0	2.3	4.6	8.1	13.9	24.6	39.4	59.0	78.1	98.6	114.4
55°	0.0	2.4	5.0	8.7	15.5	26.9	43.0	63.9	89.0	109.6	123.8
52.5°	0.0	2.6	5.4	9.3	16.9	29.0	46.2	71.1	99.8	118.3	133.2
50°	0.0	2.7	5.8	9.8	18.1	30.9	48.8	77.9	109.6	126.9	143.1
47.5°	0.0	2.8	6.1	10.3	19.0	32.4	51.2	83.8	117.2	135.4	152.4
45°	0.0	3.0	6.5	10.8	19.8	33.6	55.4	88.8	120.5	143.1	161.1
42.5°	0.0	3.1	6.8	11.2	20.4	34.3	58.8	91.5	122.7	150.3	170.7
40°	0.0	3.2	7.1	11.8	20.7	34.7	61.6	92.6	124.0	156.3	180.2
37.5°	0.0	3.3	7.4	12.3	20.9	34.7	63.6	92.9	125.3	158.9	189.4
35°	0.0	3.4	7.7	12.9	20.8	35.5	65.0	92.4	126.6	164.7	198.5
32.5°	0.0	3.5	8.0	13.4	20.6	36.5	65.3	91.2	127.9	172.1	207.6
30°	0.0	3.6	8.2	13.9	20.0	36.9	64.1	89.9	129.1	181.0	216.2
27.5°	0.0	3.7	8.5	14.3	20.6	36.9	62.3	90.1	132.3	191.1	224.3
25°	0.0	3.8	8.7	14.7	21.2	36.5	60.1	90.2	139.1	199.1	232.0
22.5°	0.0	3.9	8.9	15.1	21.8	36.5	57.3	90.0	146.4	205.2	241.8
20°	0.0	3.9	9.0	15.4	22.3	38.2	54.2	89.4	153.8	210.8	250.5
17.5°	0.0	4.0	9.2	15.7	22.8	39.7	53.6	88.6	161.3	215.8	258.1
15°	0.0	4.1	9.3	16.0	23.3	41.0	54.7	88.2	168.6	220.2	264.6
12.5°	0.0	4.1	9.4	16.2	23.7	42.1	55.6	87.6	175.1	223.9	270.0
10°	0.0	4.1	9.5	16.4	24.1	43.0	56.5	85.8	180.5	226.8	274.0
7.5°	0.0	4.2	9.6	16.5	24.4	43.6	57.2	83.1	184.8	229.2	276.4
5°	0.0	4.2	9.7	16.6	24.6	44.1	57.7	79.6	187.8	230.9	277.6
2.5°	0.0	4.2	9.7	16.7	24.9	44.4	58.1	75.5	189.4	232.0	277.7
0°	0.0	4.2	9.7	16.7	25.0	44.5	58.4	71.0	189.3	232.4	276.9
-2.5°	0.0	4.2	9.7	16.7	24.9	44.4	58.1	75.5	189.4	232.0	277.7
-5°	0.0	4.2	9.7	16.6	24.6	44.1	57.7	79.6	187.8	230.9	277.6
-7.5°	0.0	4.2	9.6	16.5	24.4	43.6	57.2	83.1	184.8	229.2	276.4
-10°	0.0	4.1	9.5	16.4	24.1	43.0	56.5	85.8	180.5	226.8	274.0
-12.5°	0.0	4.1	9.4	16.2	23.7	42.1	55.6	87.6	175.1	223.9	270.0
-15°	0.0	4.1	9.3	16.0	23.3	41.0	54.7	88.2	168.6	220.2	264.6
-17.5°	0.0	4.0	9.2	15.7	22.8	39.7	53.6	88.6	161.3	215.8	258.1
-20°	0.0	3.9	9.0	15.4	22.3	38.2	54.2	89.4	153.8	210.8	250.5



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 CATALOG NUMBER: GFLD-SA4B-940-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	3.9	8.9	15.1	21.8	36.5	57.3	90.0	146.4	205.2	241.8
-25°	0.0	3.8	8.7	14.7	21.2	36.5	60.1	90.2	139.1	199.1	232.0
-27.5°	0.0	3.7	8.5	14.3	20.6	36.9	62.3	90.1	132.3	191.1	224.3
-30°	0.0	3.6	8.2	13.9	20.0	36.9	64.1	89.9	129.1	181.0	216.2
-32.5°	0.0	3.5	8.0	13.4	20.6	36.5	65.3	91.2	127.9	172.1	207.6
-35°	0.0	3.4	7.7	12.9	20.8	35.5	65.0	92.4	126.6	164.7	198.5
-37.5°	0.0	3.3	7.4	12.3	20.9	34.7	63.6	92.9	125.3	158.9	189.4
-40°	0.0	3.2	7.1	11.8	20.7	34.7	61.6	92.6	124.0	156.3	180.2
-42.5°	0.0	3.1	6.8	11.2	20.4	34.3	58.8	91.5	122.7	150.3	170.7
-45°	0.0	3.0	6.5	10.8	19.8	33.6	55.4	88.8	120.5	143.1	161.1
-47.5°	0.0	2.8	6.1	10.3	19.0	32.4	51.2	83.8	117.2	135.4	152.4
-50°	0.0	2.7	5.8	9.8	18.1	30.9	48.8	77.9	109.6	126.9	143.1
-52.5°	0.0	2.6	5.4	9.3	16.9	29.0	46.2	71.1	99.8	118.3	133.2
-55°	0.0	2.4	5.0	8.7	15.5	26.9	43.0	63.9	89.0	109.6	123.8
-57.5°	0.0	2.3	4.6	8.1	13.9	24.6	39.4	59.0	78.1	98.6	114.4
-60°	0.0	2.1	4.2	7.5	12.2	22.0	35.3	52.7	67.8	86.8	104.1
-62.5°	0.0	1.9	3.9	6.7	11.1	19.1	31.2	45.7	59.3	75.1	91.7
-65°	0.0	1.8	3.5	6.0	9.9	15.9	26.7	38.6	50.4	64.2	79.3
-67.5°	0.0	1.6	3.2	5.2	8.6	13.3	21.9	32.1	41.1	53.0	66.4
-70°	0.0	1.4	2.9	4.4	7.3	11.3	16.8	25.5	33.5	41.5	52.8
-72.5°	0.0	1.3	2.5	3.8	5.9	9.3	13.7	18.7	25.8	32.8	39.7
-75°	0.0	1.1	2.2	3.3	4.5	7.2	10.7	14.2	18.1	24.1	30.1
-77.5°	0.0	0.9	1.8	2.7	3.6	5.0	7.7	10.5	13.4	16.3	20.4
-80°	0.0	0.7	1.5	2.2	2.9	3.6	4.6	6.7	9.0	11.3	13.7
-82.5°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.5	6.2	7.9
-85°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.5	2.9	3.2	3.5
-87.5°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.4	1.6	1.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: GFLD-SA4B-940-U-WR-XX

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°	1.8	1.8	1.7	1.6	1.7	1.8	1.9	2.0	1.8	1.6	1.4
85°	3.6	3.5	4.0	4.2	4.7	5.0	5.1	5.1	5.7	6.5	7.4
82.5°	8.8	9.4	9.8	9.9	10.0	9.9	9.8	9.8	12.0	15.0	18.2
80°	14.8	15.4	17.8	20.3	21.6	21.6	20.4	18.2	21.6	27.0	33.5
77.5°	24.1	27.7	31.4	35.3	36.0	34.2	31.2	27.1	31.9	41.5	52.3
75°	35.1	39.9	45.4	49.5	49.6	46.6	42.7	41.9	50.0	61.6	71.2
72.5°	48.0	55.1	60.3	63.8	63.6	63.1	64.6	68.0	74.7	83.2	90.6
70°	63.5	70.6	74.5	76.3	77.0	80.9	86.7	91.0	95.8	104.1	111.9
67.5°	79.0	84.4	87.8	90.2	96.7	104.1	109.9	115.2	121.0	129.6	136.7
65°	92.7	98.2	103.1	110.4	119.9	126.9	133.8	140.9	151.0	160.6	166.3
62.5°	106.1	112.1	119.5	129.3	139.6	148.5	159.7	172.4	185.5	195.4	206.6
60°	116.6	125.0	135.5	147.2	159.4	174.0	188.3	203.1	216.6	229.8	246.4
57.5°	126.5	138.6	151.7	165.4	181.6	199.8	217.3	233.3	250.3	268.7	287.4
55°	137.4	153.2	167.7	184.1	203.9	226.9	246.4	265.4	285.7	316.6	343.5
52.5°	149.3	166.8	183.2	203.2	227.8	252.4	274.6	301.1	335.1	381.0	455.4
50°	160.5	179.3	198.5	224.4	251.0	276.9	309.0	345.9	414.1	499.6	649.3
47.5°	171.7	191.6	217.0	245.0	273.9	308.2	348.8	429.5	522.5	735.5	947.7
45°	182.7	206.4	234.6	266.2	300.7	343.7	428.1	527.7	780.7	1025.7	1280.9
42.5°	193.6	221.3	253.4	287.2	332.3	410.1	518.8	781.7	1055.6	1337.0	1582.0
40°	205.9	235.2	272.4	315.2	374.8	492.9	737.1	1033.0	1341.7	1607.6	1845.9
37.5°	217.4	252.1	292.5	342.3	449.4	646.7	961.3	1289.5	1588.5	1848.2	2102.8
35°	228.0	268.5	316.6	391.4	522.6	847.7	1188.7	1522.5	1808.3	2085.6	2364.1
32.5°	240.5	284.4	339.8	456.3	690.5	1041.8	1404.7	1722.7	2022.0	2317.7	2635.9
30°	254.2	304.0	372.1	518.3	856.9	1230.4	1589.8	1914.8	2225.1	2553.5	2894.2
27.5°	267.2	323.0	425.6	638.5	1013.3	1406.4	1758.3	2092.7	2425.8	2775.6	3142.4
25°	279.0	341.0	475.8	770.3	1164.2	1556.6	1913.3	2253.7	2613.3	2993.4	3379.4
22.5°	291.7	358.5	521.1	890.3	1302.3	1690.4	2050.3	2411.1	2791.8	3194.6	3597.2
20°	305.4	396.0	595.5	1001.1	1427.7	1811.9	2173.2	2557.4	2958.7	3375.9	3801.2
17.5°	317.9	429.2	684.5	1106.2	1533.2	1917.5	2283.7	2689.9	3103.9	3540.1	3988.0
15°	329.1	457.9	763.0	1199.2	1622.8	2007.3	2391.6	2807.4	3232.9	3687.3	4152.5
12.5°	339.0	482.2	830.4	1279.6	1698.4	2084.0	2482.3	2906.6	3347.9	3815.9	4300.7
10°	347.4	501.9	886.4	1346.8	1759.8	2147.3	2555.0	2989.1	3439.5	3919.5	4420.2
7.5°	352.7	518.2	930.7	1400.5	1807.2	2196.9	2609.9	3054.2	3506.5	4000.4	4510.7
5°	356.2	531.6	962.8	1440.2	1841.8	2234.3	2649.5	3100.9	3549.5	4057.1	4571.5
2.5°	357.8	540.8	982.3	1465.7	1863.4	2260.5	2682.2	3141.8	3594.6	4097.6	4618.6
0°	357.6	545.5	989.4	1476.5	1871.7	2272.4	2698.3	3163.0	3623.6	4114.9	4650.6
-2.5°	357.8	540.8	982.3	1465.7	1863.4	2260.5	2682.2	3141.8	3594.6	4097.6	4618.6
-5°	356.2	531.6	962.8	1440.2	1841.8	2234.3	2649.5	3100.9	3549.5	4057.1	4571.5
-7.5°	352.7	518.2	930.7	1400.5	1807.2	2196.9	2609.9	3054.2	3506.5	4000.4	4510.7
-10°	347.4	501.9	886.4	1346.8	1759.8	2147.3	2555.0	2989.1	3439.5	3919.5	4420.2
-12.5°	339.0	482.2	830.4	1279.6	1698.4	2084.0	2482.3	2906.6	3347.9	3815.9	4300.7
-15°	329.1	457.9	763.0	1199.2	1622.8	2007.3	2391.6	2807.4	3232.9	3687.3	4152.5
-17.5°	317.9	429.2	684.5	1106.2	1533.2	1917.5	2283.7	2689.9	3103.9	3540.1	3988.0
-20°	305.4	396.0	595.5	1001.1	1427.7	1811.9	2173.2	2557.4	2958.7	3375.9	3801.2



REPORT NUMBER: P558907 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-940-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°	291.7	358.5	521.1	890.3	1302.3	1690.4	2050.3	2411.1	2791.8	3194.6	3597.2
-25°	279.0	341.0	475.8	770.3	1164.2	1556.6	1913.3	2253.7	2613.3	2993.4	3379.4
-27.5°	267.2	323.0	425.6	638.5	1013.3	1406.4	1758.3	2092.7	2425.8	2775.6	3142.4
-30°	254.2	304.0	372.1	518.3	856.9	1230.4	1589.8	1914.8	2225.1	2553.5	2894.2
-32.5°	240.5	284.4	339.8	456.3	690.5	1041.8	1404.7	1722.7	2022.0	2317.7	2635.9
-35°	228.0	268.5	316.6	391.4	522.6	847.7	1188.7	1522.5	1808.3	2085.6	2364.1
-37.5°	217.4	252.1	292.5	342.3	449.4	646.7	961.3	1289.5	1588.5	1848.2	2102.8
-40°	205.9	235.2	272.4	315.2	374.8	492.9	737.1	1033.0	1341.7	1607.6	1845.9
-42.5°	193.6	221.3	253.4	287.2	332.3	410.1	518.8	781.7	1055.6	1337.0	1582.0
-45°	182.7	206.4	234.6	266.2	300.7	343.7	428.1	527.7	780.7	1025.7	1280.9
-47.5°	171.7	191.6	217.0	245.0	273.9	308.2	348.8	429.5	522.5	735.5	947.7
-50°	160.5	179.3	198.5	224.4	251.0	276.9	309.0	345.9	414.1	499.6	649.3
-52.5°	149.3	166.8	183.2	203.2	227.8	252.4	274.6	301.1	335.1	381.0	455.4
-55°	137.4	153.2	167.7	184.1	203.9	226.9	246.4	265.4	285.7	316.6	343.5
-57.5°	126.5	138.6	151.7	165.4	181.6	199.8	217.3	233.3	250.3	268.7	287.4
-60°	116.6	125.0	135.5	147.2	159.4	174.0	188.3	203.1	216.6	229.8	246.4
-62.5°	106.1	112.1	119.5	129.3	139.6	148.5	159.7	172.4	185.5	195.4	206.6
-65°	92.7	98.2	103.1	110.4	119.9	126.9	133.8	140.9	151.0	160.6	166.3
-67.5°	79.0	84.4	87.8	90.2	96.7	104.1	109.9	115.2	121.0	129.6	136.7
-70°	63.5	70.6	74.5	76.3	77.0	80.9	86.7	91.0	95.8	104.1	111.9
-72.5°	48.0	55.1	60.3	63.8	63.6	63.1	64.6	68.0	74.7	83.2	90.6
-75°	35.1	39.9	45.4	49.5	49.6	46.6	42.7	41.9	50.0	61.6	71.2
-77.5°	24.1	27.7	31.4	35.3	36.0	34.2	31.2	27.1	31.9	41.5	52.3
-80°	14.8	15.4	17.8	20.3	21.6	21.6	20.4	18.2	21.6	27.0	33.5
-82.5°	8.8	9.4	9.8	9.9	10.0	9.9	9.8	9.8	12.0	15.0	18.2
-85°	3.6	3.5	4.0	4.2	4.7	5.0	5.1	5.1	5.7	6.5	7.4
-87.5°	1.8	1.8	1.7	1.6	1.7	1.8	1.9	2.0	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



REPORT NUMBER: P558907 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-940-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°	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4
85°	8.5	8.3	8.0	7.6	7.0	7.2	7.5	7.7	7.8	7.3	6.8
82.5°	21.8	23.4	24.9	26.6	28.3	28.0	27.2	26.1	24.6	22.0	19.0
80°	40.9	44.7	47.3	49.3	50.9	49.4	47.0	44.2	41.1	36.5	31.6
77.5°	63.5	67.3	69.4	71.7	74.4	74.9	75.1	75.3	75.6	67.1	56.3
75°	78.8	83.9	88.1	91.9	95.1	96.8	97.8	98.9	99.9	88.5	73.7
72.5°	96.9	101.9	105.9	109.9	113.4	116.2	118.2	120.0	121.3	112.2	99.2
70°	118.1	123.0	127.6	131.7	135.8	139.4	142.7	145.8	148.6	149.1	149.8
67.5°	141.9	144.8	150.3	155.5	161.8	166.3	171.4	176.2	180.6	184.3	187.4
65°	171.4	181.9	192.6	197.8	198.3	204.9	215.3	221.1	222.8	224.1	227.4
62.5°	221.0	234.6	241.7	251.1	263.9	277.9	283.2	290.8	300.2	310.7	320.3
60°	260.4	272.0	289.2	306.7	322.3	336.4	370.7	401.2	427.3	449.8	471.4
57.5°	309.3	328.3	354.6	402.1	445.5	484.7	551.8	633.7	706.7	770.5	826.6
55°	387.2	442.7	492.6	604.6	724.3	827.8	924.7	1028.4	1112.9	1178.9	1239.9
52.5°	520.1	672.6	827.2	972.6	1115.6	1245.7	1362.5	1454.4	1526.1	1580.0	1630.9
50°	832.7	1016.5	1204.8	1378.2	1518.7	1646.9	1768.5	1859.6	1935.9	2001.6	2059.7
47.5°	1173.4	1388.6	1566.5	1726.5	1877.8	2020.1	2153.1	2264.0	2358.0	2444.7	2516.8
45°	1512.5	1704.9	1887.4	2058.9	2223.6	2383.2	2526.2	2652.4	2776.7	2879.5	2960.7
42.5°	1799.2	2003.0	2197.0	2393.4	2577.5	2756.5	2929.3	3082.8	3214.8	3327.1	3417.4
40°	2074.4	2294.1	2524.6	2742.6	2961.2	3165.5	3356.9	3532.1	3682.5	3815.4	3927.9
37.5°	2354.5	2611.0	2864.2	3112.6	3353.6	3575.7	3795.4	3997.5	4173.8	4329.3	4460.0
35°	2650.1	2932.7	3208.3	3488.2	3751.3	4008.4	4251.3	4473.8	4669.0	4852.2	5009.7
32.5°	2946.2	3252.5	3562.8	3865.7	4157.1	4445.0	4711.3	4962.2	5193.0	5395.8	5563.9
30°	3234.5	3571.7	3903.7	4233.7	4566.4	4880.0	5175.0	5450.6	5701.0	5921.9	6112.9
27.5°	3511.1	3873.6	4229.8	4607.2	4968.7	5309.9	5630.4	5926.6	6206.1	6457.3	6674.2
25°	3767.2	4152.3	4567.4	4963.2	5350.0	5728.4	6079.5	6401.3	6720.8	6997.3	7232.7
22.5°	4009.0	4438.8	4875.8	5290.9	5717.7	6133.8	6526.9	6899.8	7241.0	7530.7	7781.8
20°	4239.0	4701.5	5151.8	5611.4	6073.6	6522.5	6955.3	7353.9	7714.4	8030.1	8313.3
17.5°	4456.3	4934.8	5413.3	5904.1	6403.2	6875.2	7333.8	7767.3	8161.0	8511.2	8830.4
15°	4644.1	5138.6	5651.0	6172.6	6694.7	7196.5	7683.2	8155.6	8598.4	8979.6	9301.5
12.5°	4803.8	5318.9	5861.0	6408.3	6958.5	7484.6	8000.5	8505.9	8976.6	9386.4	9716.9
10°	4936.3	5476.0	6042.2	6612.2	7176.6	7723.3	8259.7	8782.7	9288.3	9713.1	10052.5
7.5°	5046.7	5607.1	6186.4	6773.6	7343.1	7910.7	8470.3	8998.5	9496.7	9944.6	10293.5
5°	5129.2	5698.9	6290.4	6892.3	7470.5	8058.4	8634.6	9175.2	9668.3	10074.3	10359.0
2.5°	5190.5	5756.0	6358.0	6963.9	7549.7	8158.8	8747.3	9288.4	9793.2	10177.4	10424.0
0°	5232.3	5787.5	6419.3	7013.5	7609.1	8233.9	8815.6	9362.5	9869.0	10244.7	10499.4
-2.5°	5190.5	5756.0	6358.0	6963.9	7549.7	8158.8	8747.3	9288.4	9793.2	10177.4	10424.0
-5°	5129.2	5698.9	6290.4	6892.3	7470.5	8058.4	8634.6	9175.2	9668.3	10074.3	10359.0
-7.5°	5046.7	5607.1	6186.4	6773.6	7343.1	7910.7	8470.3	8998.5	9496.7	9944.6	10293.5
-10°	4936.3	5476.0	6042.2	6612.2	7176.6	7723.3	8259.7	8782.7	9288.3	9713.1	10052.5
-12.5°	4803.8	5318.9	5861.0	6408.3	6958.5	7484.6	8000.5	8505.9	8976.6	9386.4	9716.9
-15°	4644.1	5138.6	5651.0	6172.6	6694.7	7196.5	7683.2	8155.6	8598.4	8979.6	9301.5
-17.5°	4456.3	4934.8	5413.3	5904.1	6403.2	6875.2	7333.8	7767.3	8161.0	8511.2	8830.4
-20°	4239.0	4701.5	5151.8	5611.4	6073.6	6522.5	6955.3	7353.9	7714.4	8030.1	8313.3



REPORT NUMBER: P558907 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-940-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4009.0	4438.8	4875.8	5290.9	5717.7	6133.8	6526.9	6899.8	7241.0	7530.7	7781.8
-25°	3767.2	4152.3	4567.4	4963.2	5350.0	5728.4	6079.5	6401.3	6720.8	6997.3	7232.7
-27.5°	3511.1	3873.6	4229.8	4607.2	4968.7	5309.9	5630.4	5926.6	6206.1	6457.3	6674.2
-30°	3234.5	3571.7	3903.7	4233.7	4566.4	4880.0	5175.0	5450.6	5701.0	5921.9	6112.9
-32.5°	2946.2	3252.5	3562.8	3865.7	4157.1	4445.0	4711.3	4962.2	5193.0	5395.8	5563.9
-35°	2650.1	2932.7	3208.3	3488.2	3751.3	4008.4	4251.3	4473.8	4669.0	4852.2	5009.7
-37.5°	2354.5	2611.0	2864.2	3112.6	3353.6	3575.7	3795.4	3997.5	4173.8	4329.3	4460.0
-40°	2074.4	2294.1	2524.6	2742.6	2961.2	3165.5	3356.9	3532.1	3682.5	3815.4	3927.9
-42.5°	1799.2	2003.0	2197.0	2393.4	2577.5	2756.5	2929.3	3082.8	3214.8	3327.1	3417.4
-45°	1512.5	1704.9	1887.4	2058.9	2223.6	2383.2	2526.2	2652.4	2776.7	2879.5	2960.7
-47.5°	1173.4	1388.6	1566.5	1726.5	1877.8	2020.1	2153.1	2264.0	2358.0	2444.7	2516.8
-50°	832.7	1016.5	1204.8	1378.2	1518.7	1646.9	1768.5	1859.6	1935.9	2001.6	2059.7
-52.5°	520.1	672.6	827.2	972.6	1115.6	1245.7	1362.5	1454.4	1526.1	1580.0	1630.9
-55°	387.2	442.7	492.6	604.6	724.3	827.8	924.7	1028.4	1112.9	1178.9	1239.9
-57.5°	309.3	328.3	354.6	402.1	445.5	484.7	551.8	633.7	706.7	770.5	826.6
-60°	260.4	272.0	289.2	306.7	322.3	336.4	370.7	401.2	427.3	449.8	471.4
-62.5°	221.0	234.6	241.7	251.1	263.9	277.9	283.2	290.8	300.2	310.7	320.3
-65°	171.4	181.9	192.6	197.8	198.3	204.9	215.3	221.1	222.8	224.1	227.4
-67.5°	141.9	144.8	150.3	155.5	161.8	166.3	171.4	176.2	180.6	184.3	187.4
-70°	118.1	123.0	127.6	131.7	135.8	139.4	142.7	145.8	148.6	149.1	149.8
-72.5°	96.9	101.9	105.9	109.9	113.4	116.2	118.2	120.0	121.3	112.2	99.2
-75°	78.8	83.9	88.1	91.9	95.1	96.8	97.8	98.9	99.9	88.5	73.7
-77.5°	63.5	67.3	69.4	71.7	74.4	74.9	75.1	75.3	75.6	67.1	56.3
-80°	40.9	44.7	47.3	49.3	50.9	49.4	47.0	44.2	41.1	36.5	31.6
-82.5°	21.8	23.4	24.9	26.6	28.3	28.0	27.2	26.1	24.6	22.0	19.0
-85°	8.5	8.3	8.0	7.6	7.0	7.2	7.5	7.7	7.8	7.3	6.8
-87.5°	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558907 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-940-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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3
85°	6.2	5.6	5.6	5.6	5.6	5.6	6.2	6.8	7.3	7.8	7.7
82.5°	15.8	12.5	13.2	13.9	13.2	12.5	15.8	19.0	22.0	24.6	26.1
80°	26.3	20.9	21.6	22.3	21.6	20.9	26.3	31.6	36.5	41.1	44.2
77.5°	44.6	32.4	31.3	30.6	31.3	32.4	44.6	56.3	67.1	75.6	75.3
75°	58.3	42.6	41.6	41.7	41.6	42.6	58.3	73.7	88.5	99.9	98.9
72.5°	86.2	72.9	63.6	54.3	63.6	72.9	86.2	99.2	112.2	121.3	120.0
70°	151.5	153.3	152.6	150.3	152.6	153.3	151.5	149.8	149.1	148.6	145.8
67.5°	190.0	192.0	192.4	192.0	192.4	192.0	190.0	187.4	184.3	180.6	176.2
65°	229.6	230.9	232.0	232.4	232.0	230.9	229.6	227.4	224.1	222.8	221.1
62.5°	327.5	332.3	337.4	340.9	337.4	332.3	327.5	320.3	310.7	300.2	290.8
60°	490.3	506.0	512.9	513.5	512.9	506.0	490.3	471.4	449.8	427.3	401.2
57.5°	871.5	905.1	935.0	957.4	935.0	905.1	871.5	826.6	770.5	706.7	633.7
55°	1288.5	1324.2	1344.4	1349.8	1344.4	1324.2	1288.5	1239.9	1178.9	1112.9	1028.4
52.5°	1669.6	1693.4	1715.9	1735.3	1715.9	1693.4	1669.6	1630.9	1580.0	1526.1	1454.4
50°	2103.6	2130.0	2152.3	2169.5	2152.3	2130.0	2103.6	2059.7	2001.6	1935.9	1859.6
47.5°	2567.5	2599.9	2623.8	2639.8	2623.8	2599.9	2567.5	2516.8	2444.7	2358.0	2264.0
45°	3030.3	3085.8	3119.5	3125.5	3119.5	3085.8	3030.3	2960.7	2879.5	2776.7	2652.4
42.5°	3495.6	3548.8	3584.7	3611.1	3584.7	3548.8	3495.6	3417.4	3327.1	3214.8	3082.8
40°	4021.7	4088.5	4119.1	4099.6	4119.1	4088.5	4021.7	3927.9	3815.4	3682.5	3532.1
37.5°	4560.7	4629.4	4664.8	4663.2	4664.8	4629.4	4560.7	4460.0	4329.3	4173.8	3997.5
35°	5132.2	5217.3	5263.4	5251.8	5263.4	5217.3	5132.2	5009.7	4852.2	4669.0	4473.8
32.5°	5698.3	5801.2	5867.7	5878.0	5867.7	5801.2	5698.3	5563.9	5395.8	5193.0	4962.2
30°	6266.1	6377.3	6443.4	6449.9	6443.4	6377.3	6266.1	6112.9	5921.9	5701.0	5450.6
27.5°	6856.2	6980.6	7049.8	7066.4	7049.8	6980.6	6856.2	6674.2	6457.3	6206.1	5926.6
25°	7433.5	7571.6	7651.0	7681.5	7651.0	7571.6	7433.5	7232.7	6997.3	6720.8	6401.3
22.5°	7990.2	8141.7	8245.1	8271.5	8245.1	8141.7	7990.2	7781.8	7530.7	7241.0	6899.8
20°	8548.5	8727.3	8859.6	8872.7	8859.6	8727.3	8548.5	8313.3	8030.1	7714.4	7353.9
17.5°	9086.1	9279.5	9421.1	9455.7	9421.1	9279.5	9086.1	8830.4	8511.2	8161.0	7767.3
15°	9567.4	9770.3	9907.1	9937.2	9907.1	9770.3	9567.4	9301.5	8979.6	8598.4	8155.6
12.5°	9982.7	10169.8	10297.4	10346.3	10297.4	10169.8	9982.7	9716.9	9386.4	8976.6	8505.9
10°	10317.3	10461.8	10575.9	10627.4	10575.9	10461.8	10317.3	10052.5	9713.1	9288.3	8782.7
7.5°	10504.0	10622.9	10702.0	10730.4	10702.0	10622.9	10504.0	10293.5	9944.6	9496.7	8998.5
5°	10577.9	10691.9	10734.6	10759.6	10734.6	10691.9	10577.9	10359.0	10074.3	9668.3	9175.2
2.5°	10587.9	10679.2	10767.2	10825.0	10767.2	10679.2	10587.9	10424.0	10177.4	9793.2	9288.4
0°	10646.9	10736.0	10784.7	10812.5	10784.7	10736.0	10646.9	10499.4	10244.7	9869.0	9362.5
-2.5°	10587.9	10679.2	10767.2	10825.0	10767.2	10679.2	10587.9	10424.0	10177.4	9793.2	9288.4
-5°	10577.9	10691.9	10734.6	10759.6	10734.6	10691.9	10577.9	10359.0	10074.3	9668.3	9175.2
-7.5°	10504.0	10622.9	10702.0	10730.4	10702.0	10622.9	10504.0	10293.5	9944.6	9496.7	8998.5
-10°	10317.3	10461.8	10575.9	10627.4	10575.9	10461.8	10317.3	10052.5	9713.1	9288.3	8782.7
-12.5°	9982.7	10169.8	10297.4	10346.3	10297.4	10169.8	9982.7	9716.9	9386.4	8976.6	8505.9
-15°	9567.4	9770.3	9907.1	9937.2	9907.1	9770.3	9567.4	9301.5	8979.6	8598.4	8155.6
-17.5°	9086.1	9279.5	9421.1	9455.7	9421.1	9279.5	9086.1	8830.4	8511.2	8161.0	7767.3
-20°	8548.5	8727.3	8859.6	8872.7	8859.6	8727.3	8548.5	8313.3	8030.1	7714.4	7353.9



REPORT NUMBER: P558907 (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°	7990.2	8141.7	8245.1	8271.5	8245.1	8141.7	7990.2	7781.8	7530.7	7241.0	6899.8
-25°	7433.5	7571.6	7651.0	7681.5	7651.0	7571.6	7433.5	7232.7	6997.3	6720.8	6401.3
-27.5°	6856.2	6980.6	7049.8	7066.4	7049.8	6980.6	6856.2	6674.2	6457.3	6206.1	5926.6
-30°	6266.1	6377.3	6443.4	6449.9	6443.4	6377.3	6266.1	6112.9	5921.9	5701.0	5450.6
-32.5°	5698.3	5801.2	5867.7	5878.0	5867.7	5801.2	5698.3	5563.9	5395.8	5193.0	4962.2
-35°	5132.2	5217.3	5263.4	5251.8	5263.4	5217.3	5132.2	5009.7	4852.2	4669.0	4473.8
-37.5°	4560.7	4629.4	4664.8	4663.2	4664.8	4629.4	4560.7	4460.0	4329.3	4173.8	3997.5
-40°	4021.7	4088.5	4119.1	4099.6	4119.1	4088.5	4021.7	3927.9	3815.4	3682.5	3532.1
-42.5°	3495.6	3548.8	3584.7	3611.1	3584.7	3548.8	3495.6	3417.4	3327.1	3214.8	3082.8
-45°	3030.3	3085.8	3119.5	3125.5	3119.5	3085.8	3030.3	2960.7	2879.5	2776.7	2652.4
-47.5°	2567.5	2599.9	2623.8	2639.8	2623.8	2599.9	2567.5	2516.8	2444.7	2358.0	2264.0
-50°	2103.6	2130.0	2152.3	2169.5	2152.3	2130.0	2103.6	2059.7	2001.6	1935.9	1859.6
-52.5°	1669.6	1693.4	1715.9	1735.3	1715.9	1693.4	1669.6	1630.9	1580.0	1526.1	1454.4
-55°	1288.5	1324.2	1344.4	1349.8	1344.4	1324.2	1288.5	1239.9	1178.9	1112.9	1028.4
-57.5°	871.5	905.1	935.0	957.4	935.0	905.1	871.5	826.6	770.5	706.7	633.7
-60°	490.3	506.0	512.9	513.5	512.9	506.0	490.3	471.4	449.8	427.3	401.2
-62.5°	327.5	332.3	337.4	340.9	337.4	332.3	327.5	320.3	310.7	300.2	290.8
-65°	229.6	230.9	232.0	232.4	232.0	230.9	229.6	227.4	224.1	222.8	221.1
-67.5°	190.0	192.0	192.4	192.0	192.4	192.0	190.0	187.4	184.3	180.6	176.2
-70°	151.5	153.3	152.6	150.3	152.6	153.3	151.5	149.8	149.1	148.6	145.8
-72.5°	86.2	72.9	63.6	54.3	63.6	72.9	86.2	99.2	112.2	121.3	120.0
-75°	58.3	42.6	41.6	41.7	41.6	42.6	58.3	73.7	88.5	99.9	98.9
-77.5°	44.6	32.4	31.3	30.6	31.3	32.4	44.6	56.3	67.1	75.6	75.3
-80°	26.3	20.9	21.6	22.3	21.6	20.9	26.3	31.6	36.5	41.1	44.2
-82.5°	15.8	12.5	13.2	13.9	13.2	12.5	15.8	19.0	22.0	24.6	26.1
-85°	6.2	5.6	5.6	5.6	5.6	5.6	6.2	6.8	7.3	7.8	7.7
-87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.4	1.6	1.8	2.0
85°	7.5	7.2	7.0	7.6	8.0	8.3	8.5	7.4	6.5	5.7	5.1
82.5°	27.2	28.0	28.3	26.6	24.9	23.4	21.8	18.2	15.0	12.0	9.8
80°	47.0	49.4	50.9	49.3	47.3	44.7	40.9	33.5	27.0	21.6	18.2
77.5°	75.1	74.9	74.4	71.7	69.4	67.3	63.5	52.3	41.5	31.9	27.1
75°	97.8	96.8	95.1	91.9	88.1	83.9	78.8	71.2	61.6	50.0	41.9
72.5°	118.2	116.2	113.4	109.9	105.9	101.9	96.9	90.6	83.2	74.7	68.0
70°	142.7	139.4	135.8	131.7	127.6	123.0	118.1	111.9	104.1	95.8	91.0
67.5°	171.4	166.3	161.8	155.5	150.3	144.8	141.9	136.7	129.6	121.0	115.2
65°	215.3	204.9	198.3	197.8	192.6	181.9	171.4	166.3	160.6	151.0	140.9
62.5°	283.2	277.9	263.9	251.1	241.7	234.6	221.0	206.6	195.4	185.5	172.4
60°	370.7	336.4	322.3	306.7	289.2	272.0	260.4	246.4	229.8	216.6	203.1
57.5°	551.8	484.7	445.5	402.1	354.6	328.3	309.3	287.4	268.7	250.3	233.3
55°	924.7	827.8	724.3	604.6	492.6	442.7	387.2	343.5	316.6	285.7	265.4
52.5°	1362.5	1245.7	1115.6	972.6	827.2	672.6	520.1	455.4	381.0	335.1	301.1
50°	1768.5	1646.9	1518.7	1378.2	1204.8	1016.5	832.7	649.3	499.6	414.1	345.9
47.5°	2153.1	2020.1	1877.8	1726.5	1566.5	1388.6	1173.4	947.7	735.5	522.5	429.5
45°	2526.2	2383.2	2223.6	2058.9	1887.4	1704.9	1512.5	1280.9	1025.7	780.7	527.7
42.5°	2929.3	2756.5	2577.5	2393.4	2197.0	2003.0	1799.2	1582.0	1337.0	1055.6	781.7
40°	3356.9	3165.5	2961.2	2742.6	2524.6	2294.1	2074.4	1845.9	1607.6	1341.7	1033.0
37.5°	3795.4	3575.7	3353.6	3112.6	2864.2	2611.0	2354.5	2102.8	1848.2	1588.5	1289.5
35°	4251.3	4008.4	3751.3	3488.2	3208.3	2932.7	2650.1	2364.1	2085.6	1808.3	1522.5
32.5°	4711.3	4445.0	4157.1	3865.7	3562.8	3252.5	2946.2	2635.9	2317.7	2022.0	1722.7
30°	5175.0	4880.0	4566.4	4233.7	3903.7	3571.7	3234.5	2894.2	2553.5	2225.1	1914.8
27.5°	5630.4	5309.9	4968.7	4607.2	4229.8	3873.6	3511.1	3142.4	2775.6	2425.8	2092.7
25°	6079.5	5728.4	5350.0	4963.2	4567.4	4152.3	3767.2	3379.4	2993.4	2613.3	2253.7
22.5°	6526.9	6133.8	5717.7	5290.9	4875.8	4438.8	4009.0	3597.2	3194.6	2791.8	2411.1
20°	6955.3	6522.5	6073.6	5611.4	5151.8	4701.5	4239.0	3801.2	3375.9	2958.7	2557.4
17.5°	7333.8	6875.2	6403.2	5904.1	5413.3	4934.8	4456.3	3988.0	3540.1	3103.9	2689.9
15°	7683.2	7196.5	6694.7	6172.6	5651.0	5138.6	4644.1	4152.5	3687.3	3232.9	2807.4
12.5°	8000.5	7484.6	6958.5	6408.3	5861.0	5318.9	4803.8	4300.7	3815.9	3347.9	2906.6
10°	8259.7	7723.3	7176.6	6612.2	6042.2	5476.0	4936.3	4420.2	3919.5	3439.5	2989.1
7.5°	8470.3	7910.7	7343.1	6773.6	6186.4	5607.1	5046.7	4510.7	4000.4	3506.5	3054.2
5°	8634.6	8058.4	7470.5	6892.3	6290.4	5698.9	5129.2	4571.5	4057.1	3549.5	3100.9
2.5°	8747.3	8158.8	7549.7	6963.9	6358.0	5756.0	5190.5	4618.6	4097.6	3594.6	3141.8
0°	8815.6	8233.9	7609.1	7013.5	6419.3	5787.5	5232.3	4650.6	4114.9	3623.6	3163.0
-2.5°	8747.3	8158.8	7549.7	6963.9	6358.0	5756.0	5190.5	4618.6	4097.6	3594.6	3141.8
-5°	8634.6	8058.4	7470.5	6892.3	6290.4	5698.9	5129.2	4571.5	4057.1	3549.5	3100.9
-7.5°	8470.3	7910.7	7343.1	6773.6	6186.4	5607.1	5046.7	4510.7	4000.4	3506.5	3054.2
-10°	8259.7	7723.3	7176.6	6612.2	6042.2	5476.0	4936.3	4420.2	3919.5	3439.5	2989.1
-12.5°	8000.5	7484.6	6958.5	6408.3	5861.0	5318.9	4803.8	4300.7	3815.9	3347.9	2906.6
-15°	7683.2	7196.5	6694.7	6172.6	5651.0	5138.6	4644.1	4152.5	3687.3	3232.9	2807.4
-17.5°	7333.8	6875.2	6403.2	5904.1	5413.3	4934.8	4456.3	3988.0	3540.1	3103.9	2689.9
-20°	6955.3	6522.5	6073.6	5611.4	5151.8	4701.5	4239.0	3801.2	3375.9	2958.7	2557.4



REPORT NUMBER: P558907 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-940-U-WR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6526.9	6133.8	5717.7	5290.9	4875.8	4438.8	4009.0	3597.2	3194.6	2791.8	2411.1
-25°	6079.5	5728.4	5350.0	4963.2	4567.4	4152.3	3767.2	3379.4	2993.4	2613.3	2253.7
-27.5°	5630.4	5309.9	4968.7	4607.2	4229.8	3873.6	3511.1	3142.4	2775.6	2425.8	2092.7
-30°	5175.0	4880.0	4566.4	4233.7	3903.7	3571.7	3234.5	2894.2	2553.5	2225.1	1914.8
-32.5°	4711.3	4445.0	4157.1	3865.7	3562.8	3252.5	2946.2	2635.9	2317.7	2022.0	1722.7
-35°	4251.3	4008.4	3751.3	3488.2	3208.3	2932.7	2650.1	2364.1	2085.6	1808.3	1522.5
-37.5°	3795.4	3575.7	3353.6	3112.6	2864.2	2611.0	2354.5	2102.8	1848.2	1588.5	1289.5
-40°	3356.9	3165.5	2961.2	2742.6	2524.6	2294.1	2074.4	1845.9	1607.6	1341.7	1033.0
-42.5°	2929.3	2756.5	2577.5	2393.4	2197.0	2003.0	1799.2	1582.0	1337.0	1055.6	781.7
-45°	2526.2	2383.2	2223.6	2058.9	1887.4	1704.9	1512.5	1280.9	1025.7	780.7	527.7
-47.5°	2153.1	2020.1	1877.8	1726.5	1566.5	1388.6	1173.4	947.7	735.5	522.5	429.5
-50°	1768.5	1646.9	1518.7	1378.2	1204.8	1016.5	832.7	649.3	499.6	414.1	345.9
-52.5°	1362.5	1245.7	1115.6	972.6	827.2	672.6	520.1	455.4	381.0	335.1	301.1
-55°	924.7	827.8	724.3	604.6	492.6	442.7	387.2	343.5	316.6	285.7	265.4
-57.5°	551.8	484.7	445.5	402.1	354.6	328.3	309.3	287.4	268.7	250.3	233.3
-60°	370.7	336.4	322.3	306.7	289.2	272.0	260.4	246.4	229.8	216.6	203.1
-62.5°	283.2	277.9	263.9	251.1	241.7	234.6	221.0	206.6	195.4	185.5	172.4
-65°	215.3	204.9	198.3	197.8	192.6	181.9	171.4	166.3	160.6	151.0	140.9
-67.5°	171.4	166.3	161.8	155.5	150.3	144.8	141.9	136.7	129.6	121.0	115.2
-70°	142.7	139.4	135.8	131.7	127.6	123.0	118.1	111.9	104.1	95.8	91.0
-72.5°	118.2	116.2	113.4	109.9	105.9	101.9	96.9	90.6	83.2	74.7	68.0
-75°	97.8	96.8	95.1	91.9	88.1	83.9	78.8	71.2	61.6	50.0	41.9
-77.5°	75.1	74.9	74.4	71.7	69.4	67.3	63.5	52.3	41.5	31.9	27.1
-80°	47.0	49.4	50.9	49.3	47.3	44.7	40.9	33.5	27.0	21.6	18.2
-82.5°	27.2	28.0	28.3	26.6	24.9	23.4	21.8	18.2	15.0	12.0	9.8
-85°	7.5	7.2	7.0	7.6	8.0	8.3	8.5	7.4	6.5	5.7	5.1
-87.5°	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.4	1.6	1.8	2.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558907 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-940-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°	1.9	1.8	1.7	1.6	1.7	1.8	1.8	1.8	1.6	1.4	1.3
85°	5.1	5.0	4.7	4.2	4.0	3.5	3.6	3.5	3.2	2.9	2.5
82.5°	9.8	9.9	10.0	9.9	9.8	9.4	8.8	7.9	6.2	4.5	3.8
80°	20.4	21.6	21.6	20.3	17.8	15.4	14.8	13.7	11.3	9.0	6.7
77.5°	31.2	34.2	36.0	35.3	31.4	27.7	24.1	20.4	16.3	13.4	10.5
75°	42.7	46.6	49.6	49.5	45.4	39.9	35.1	30.1	24.1	18.1	14.2
72.5°	64.6	63.1	63.6	63.8	60.3	55.1	48.0	39.7	32.8	25.8	18.7
70°	86.7	80.9	77.0	76.3	74.5	70.6	63.5	52.8	41.5	33.5	25.5
67.5°	109.9	104.1	96.7	90.2	87.8	84.4	79.0	66.4	53.0	41.1	32.1
65°	133.8	126.9	119.9	110.4	103.1	98.2	92.7	79.3	64.2	50.4	38.6
62.5°	159.7	148.5	139.6	129.3	119.5	112.1	106.1	91.7	75.1	59.3	45.7
60°	188.3	174.0	159.4	147.2	135.5	125.0	116.6	104.1	86.8	67.8	52.7
57.5°	217.3	199.8	181.6	165.4	151.7	138.6	126.5	114.4	98.6	78.1	59.0
55°	246.4	226.9	203.9	184.1	167.7	153.2	137.4	123.8	109.6	89.0	63.9
52.5°	274.6	252.4	227.8	203.2	183.2	166.8	149.3	133.2	118.3	99.8	71.1
50°	309.0	276.9	251.0	224.4	198.5	179.3	160.5	143.1	126.9	109.6	77.9
47.5°	348.8	308.2	273.9	245.0	217.0	191.6	171.7	152.4	135.4	117.2	83.8
45°	428.1	343.7	300.7	266.2	234.6	206.4	182.7	161.1	143.1	120.5	88.8
42.5°	518.8	410.1	332.3	287.2	253.4	221.3	193.6	170.7	150.3	122.7	91.5
40°	737.1	492.9	374.8	315.2	272.4	235.2	205.9	180.2	156.3	124.0	92.6
37.5°	961.3	646.7	449.4	342.3	292.5	252.1	217.4	189.4	158.9	125.3	92.9
35°	1188.7	847.7	522.6	391.4	316.6	268.5	228.0	198.5	164.7	126.6	92.4
32.5°	1404.7	1041.8	690.5	456.3	339.8	284.4	240.5	207.6	172.1	127.9	91.2
30°	1589.8	1230.4	856.9	518.3	372.1	304.0	254.2	216.2	181.0	129.1	89.9
27.5°	1758.3	1406.4	1013.3	638.5	425.6	323.0	267.2	224.3	191.1	132.3	90.1
25°	1913.3	1556.6	1164.2	770.3	475.8	341.0	279.0	232.0	199.1	139.1	90.2
22.5°	2050.3	1690.4	1302.3	890.3	521.1	358.5	291.7	241.8	205.2	146.4	90.0
20°	2173.2	1811.9	1427.7	1001.1	595.5	396.0	305.4	250.5	210.8	153.8	89.4
17.5°	2283.7	1917.5	1533.2	1106.2	684.5	429.2	317.9	258.1	215.8	161.3	88.6
15°	2391.6	2007.3	1622.8	1199.2	763.0	457.9	329.1	264.6	220.2	168.6	88.2
12.5°	2482.3	2084.0	1698.4	1279.6	830.4	482.2	339.0	270.0	223.9	175.1	87.6
10°	2555.0	2147.3	1759.8	1346.8	886.4	501.9	347.4	274.0	226.8	180.5	85.8
7.5°	2609.9	2196.9	1807.2	1400.5	930.7	518.2	352.7	276.4	229.2	184.8	83.1
5°	2649.5	2234.3	1841.8	1440.2	962.8	531.6	356.2	277.6	230.9	187.8	79.6
2.5°	2682.2	2260.5	1863.4	1465.7	982.3	540.8	357.8	277.7	232.0	189.4	75.5
0°	2698.3	2272.4	1871.7	1476.5	989.4	545.5	357.6	276.9	232.4	189.3	71.0
-2.5°	2682.2	2260.5	1863.4	1465.7	982.3	540.8	357.8	277.7	232.0	189.4	75.5
-5°	2649.5	2234.3	1841.8	1440.2	962.8	531.6	356.2	277.6	230.9	187.8	79.6
-7.5°	2609.9	2196.9	1807.2	1400.5	930.7	518.2	352.7	276.4	229.2	184.8	83.1
-10°	2555.0	2147.3	1759.8	1346.8	886.4	501.9	347.4	274.0	226.8	180.5	85.8
-12.5°	2482.3	2084.0	1698.4	1279.6	830.4	482.2	339.0	270.0	223.9	175.1	87.6
-15°	2391.6	2007.3	1622.8	1199.2	763.0	457.9	329.1	264.6	220.2	168.6	88.2
-17.5°	2283.7	1917.5	1533.2	1106.2	684.5	429.2	317.9	258.1	215.8	161.3	88.6
-20°	2173.2	1811.9	1427.7	1001.1	595.5	396.0	305.4	250.5	210.8	153.8	89.4



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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°	2050.3	1690.4	1302.3	890.3	521.1	358.5	291.7	241.8	205.2	146.4	90.0
-25°	1913.3	1556.6	1164.2	770.3	475.8	341.0	279.0	232.0	199.1	139.1	90.2
-27.5°	1758.3	1406.4	1013.3	638.5	425.6	323.0	267.2	224.3	191.1	132.3	90.1
-30°	1589.8	1230.4	856.9	518.3	372.1	304.0	254.2	216.2	181.0	129.1	89.9
-32.5°	1404.7	1041.8	690.5	456.3	339.8	284.4	240.5	207.6	172.1	127.9	91.2
-35°	1188.7	847.7	522.6	391.4	316.6	268.5	228.0	198.5	164.7	126.6	92.4
-37.5°	961.3	646.7	449.4	342.3	292.5	252.1	217.4	189.4	158.9	125.3	92.9
-40°	737.1	492.9	374.8	315.2	272.4	235.2	205.9	180.2	156.3	124.0	92.6
-42.5°	518.8	410.1	332.3	287.2	253.4	221.3	193.6	170.7	150.3	122.7	91.5
-45°	428.1	343.7	300.7	266.2	234.6	206.4	182.7	161.1	143.1	120.5	88.8
-47.5°	348.8	308.2	273.9	245.0	217.0	191.6	171.7	152.4	135.4	117.2	83.8
-50°	309.0	276.9	251.0	224.4	198.5	179.3	160.5	143.1	126.9	109.6	77.9
-52.5°	274.6	252.4	227.8	203.2	183.2	166.8	149.3	133.2	118.3	99.8	71.1
-55°	246.4	226.9	203.9	184.1	167.7	153.2	137.4	123.8	109.6	89.0	63.9
-57.5°	217.3	199.8	181.6	165.4	151.7	138.6	126.5	114.4	98.6	78.1	59.0
-60°	188.3	174.0	159.4	147.2	135.5	125.0	116.6	104.1	86.8	67.8	52.7
-62.5°	159.7	148.5	139.6	129.3	119.5	112.1	106.1	91.7	75.1	59.3	45.7
-65°	133.8	126.9	119.9	110.4	103.1	98.2	92.7	79.3	64.2	50.4	38.6
-67.5°	109.9	104.1	96.7	90.2	87.8	84.4	79.0	66.4	53.0	41.1	32.1
-70°	86.7	80.9	77.0	76.3	74.5	70.6	63.5	52.8	41.5	33.5	25.5
-72.5°	64.6	63.1	63.6	63.8	60.3	55.1	48.0	39.7	32.8	25.8	18.7
-75°	42.7	46.6	49.6	49.5	45.4	39.9	35.1	30.1	24.1	18.1	14.2
-77.5°	31.2	34.2	36.0	35.3	31.4	27.7	24.1	20.4	16.3	13.4	10.5
-80°	20.4	21.6	21.6	20.3	17.8	15.4	14.8	13.7	11.3	9.0	6.7
-82.5°	9.8	9.9	10.0	9.9	9.8	9.4	8.8	7.9	6.2	4.5	3.8
-85°	5.1	5.0	4.7	4.2	4.0	3.5	3.6	3.5	3.2	2.9	2.5
-87.5°	1.9	1.8	1.7	1.6	1.7	1.8	1.8	1.8	1.6	1.4	1.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	1.1	0.9	0.7	0.5	0.4	0.2	0.0
85°	2.2	1.8	1.5	1.1	0.7	0.4	0.0
82.5°	3.3	2.7	2.2	1.6	1.1	0.5	0.0
80°	4.6	3.6	2.9	2.2	1.5	0.7	0.0
77.5°	7.7	5.0	3.6	2.7	1.8	0.9	0.0
75°	10.7	7.2	4.5	3.3	2.2	1.1	0.0
72.5°	13.7	9.3	5.9	3.8	2.5	1.3	0.0
70°	16.8	11.3	7.3	4.4	2.9	1.4	0.0
67.5°	21.9	13.3	8.6	5.2	3.2	1.6	0.0
65°	26.7	15.9	9.9	6.0	3.5	1.8	0.0
62.5°	31.2	19.1	11.1	6.7	3.9	1.9	0.0
60°	35.3	22.0	12.2	7.5	4.2	2.1	0.0
57.5°	39.4	24.6	13.9	8.1	4.6	2.3	0.0
55°	43.0	26.9	15.5	8.7	5.0	2.4	0.0
52.5°	46.2	29.0	16.9	9.3	5.4	2.6	0.0
50°	48.8	30.9	18.1	9.8	5.8	2.7	0.0
47.5°	51.2	32.4	19.0	10.3	6.1	2.8	0.0
45°	55.4	33.6	19.8	10.8	6.5	3.0	0.0
42.5°	58.8	34.3	20.4	11.2	6.8	3.1	0.0
40°	61.6	34.7	20.7	11.8	7.1	3.2	0.0
37.5°	63.6	34.7	20.9	12.3	7.4	3.3	0.0
35°	65.0	35.5	20.8	12.9	7.7	3.4	0.0
32.5°	65.3	36.5	20.6	13.4	8.0	3.5	0.0
30°	64.1	36.9	20.0	13.9	8.2	3.6	0.0
27.5°	62.3	36.9	20.6	14.3	8.5	3.7	0.0
25°	60.1	36.5	21.2	14.7	8.7	3.8	0.0
22.5°	57.3	36.5	21.8	15.1	8.9	3.9	0.0
20°	54.2	38.2	22.3	15.4	9.0	3.9	0.0
17.5°	53.6	39.7	22.8	15.7	9.2	4.0	0.0
15°	54.7	41.0	23.3	16.0	9.3	4.1	0.0
12.5°	55.6	42.1	23.7	16.2	9.4	4.1	0.0
10°	56.5	43.0	24.1	16.4	9.5	4.1	0.0
7.5°	57.2	43.6	24.4	16.5	9.6	4.2	0.0
5°	57.7	44.1	24.6	16.6	9.7	4.2	0.0
2.5°	58.1	44.4	24.9	16.7	9.7	4.2	0.0
0°	58.4	44.5	25.0	16.7	9.7	4.2	0.0
-2.5°	58.1	44.4	24.9	16.7	9.7	4.2	0.0
-5°	57.7	44.1	24.6	16.6	9.7	4.2	0.0
-7.5°	57.2	43.6	24.4	16.5	9.6	4.2	0.0
-10°	56.5	43.0	24.1	16.4	9.5	4.1	0.0
-12.5°	55.6	42.1	23.7	16.2	9.4	4.1	0.0
-15°	54.7	41.0	23.3	16.0	9.3	4.1	0.0
-17.5°	53.6	39.7	22.8	15.7	9.2	4.0	0.0
-20°	54.2	38.2	22.3	15.4	9.0	3.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	57.3	36.5	21.8	15.1	8.9	3.9	0.0
-25°	60.1	36.5	21.2	14.7	8.7	3.8	0.0
-27.5°	62.3	36.9	20.6	14.3	8.5	3.7	0.0
-30°	64.1	36.9	20.0	13.9	8.2	3.6	0.0
-32.5°	65.3	36.5	20.6	13.4	8.0	3.5	0.0
-35°	65.0	35.5	20.8	12.9	7.7	3.4	0.0
-37.5°	63.6	34.7	20.9	12.3	7.4	3.3	0.0
-40°	61.6	34.7	20.7	11.8	7.1	3.2	0.0
-42.5°	58.8	34.3	20.4	11.2	6.8	3.1	0.0
-45°	55.4	33.6	19.8	10.8	6.5	3.0	0.0
-47.5°	51.2	32.4	19.0	10.3	6.1	2.8	0.0
-50°	48.8	30.9	18.1	9.8	5.8	2.7	0.0
-52.5°	46.2	29.0	16.9	9.3	5.4	2.6	0.0
-55°	43.0	26.9	15.5	8.7	5.0	2.4	0.0
-57.5°	39.4	24.6	13.9	8.1	4.6	2.3	0.0
-60°	35.3	22.0	12.2	7.5	4.2	2.1	0.0
-62.5°	31.2	19.1	11.1	6.7	3.9	1.9	0.0
-65°	26.7	15.9	9.9	6.0	3.5	1.8	0.0
-67.5°	21.9	13.3	8.6	5.2	3.2	1.6	0.0
-70°	16.8	11.3	7.3	4.4	2.9	1.4	0.0
-72.5°	13.7	9.3	5.9	3.8	2.5	1.3	0.0
-75°	10.7	7.2	4.5	3.3	2.2	1.1	0.0
-77.5°	7.7	5.0	3.6	2.7	1.8	0.9	0.0
-80°	4.6	3.6	2.9	2.2	1.5	0.7	0.0
-82.5°	3.3	2.7	2.2	1.6	1.1	0.5	0.0
-85°	2.2	1.8	1.5	1.1	0.7	0.4	0.0
-87.5°	1.1	0.9	0.7	0.5	0.4	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)