

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: P559003 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559003 (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-SA4E-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

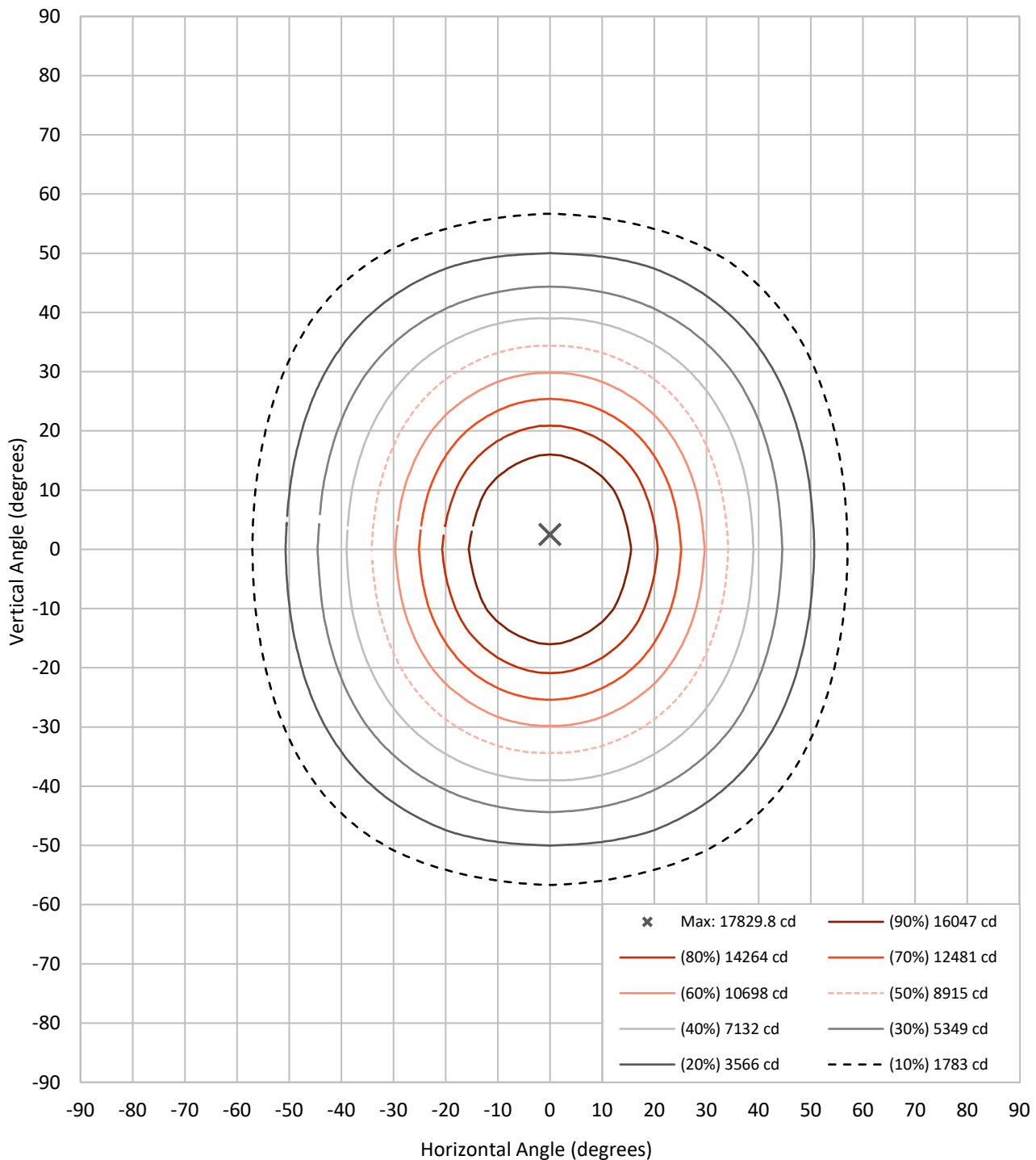
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	24131.1 lumens	Max Intensity:	17829.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 2.5°V
Efficacy:	96.5 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	68°H x 68.7°V	Field Angle (10%):	114°H x 113.4°V
Beam Lumens:	14468.3 lumens	Field Lumens:	23051.6 lumens
Beam Efficiency:	60.0%	Field Efficiency:	95.5%

Input Watts (W): 250
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Candela Plot





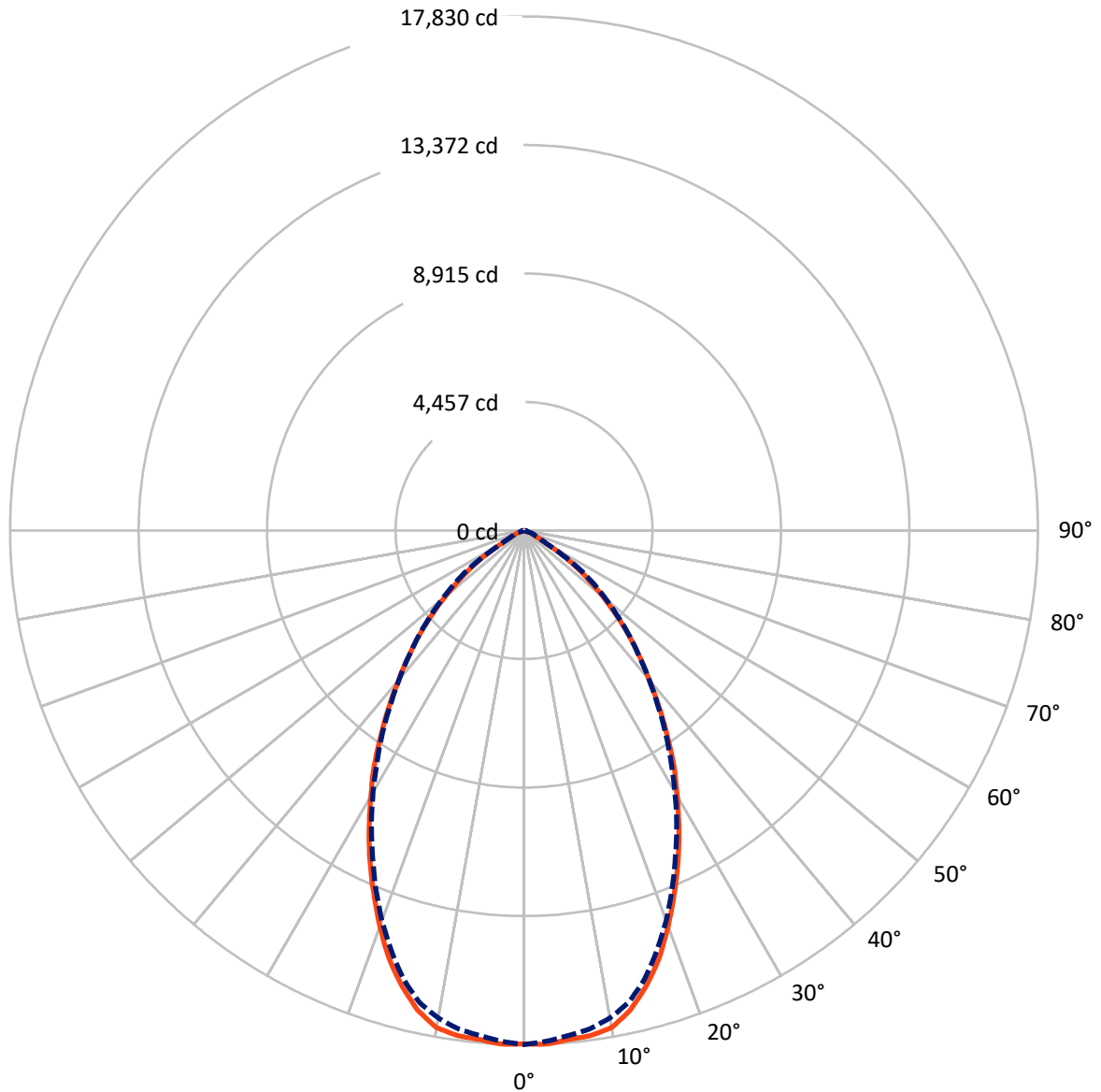
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Lumen Table

90															90				
80	0.2	2.3		5.8		10.1		7.1		10.1		5.8		2.3		0.2			
70															70				
60	1.1	1.7	3.2	5.1	7.4	9.7	12.0	13.5	13.5	12.0	9.7	7.4	5.1	3.2	1.7	1.1			
50		2.6	5.4	9.7	18.7	36.3	54.4	65.1	65.1	54.4	36.3	18.7	9.7	5.4	2.6				
40	1.9	3.5	7.9	23.1	60.8	101.1	134.5	153.4	153.4	134.5	101.1	60.8	23.1	7.9	3.5	1.9			
30		4.3	13.6	53.3	109.2	170.5	225.9	259.1	259.1	225.9	170.5	109.2	53.3	13.6	4.3				
20	2.0	5.2	24.7	80.6	154.9	242.5	324.1	375.4	375.4	324.1	242.5	154.9	80.6	24.7	5.2	2.0			
10		6.1	35.3	100.3	191.0	303.0	412.6	482.0	482.0	412.6	303.0	191.0	100.3	35.3	6.1				
0	2.1	6.6	41.1	110.9	211.2	338.5	463.5	529.9	529.9	463.5	338.5	211.2	110.9	41.1	6.6	2.1			
-10		6.6	41.1	110.9	211.2	338.5	463.5	529.9	529.9	463.5	338.5	211.2	110.9	41.1	6.6				
-20	2.0	6.1	35.3	100.3	191.0	303.0	412.6	482.0	482.0	412.6	303.0	191.0	100.3	35.3	6.1	2.0			
-30		5.2	24.7	80.6	154.9	242.5	324.1	375.4	375.4	324.1	242.5	154.9	80.6	24.7	5.2				
-40	1.9	4.3	13.6	53.3	109.2	170.5	225.9	259.1	259.1	225.9	170.5	109.2	53.3	13.6	4.3	1.9			
-50		3.5	7.9	23.1	60.8	101.1	134.5	153.4	153.4	134.5	101.1	60.8	23.1	7.9	3.5				
-60	1.1	2.6	5.4	9.7	18.7	36.3	54.4	65.1	65.1	54.4	36.3	18.7	9.7	5.4	2.6	1.1			
-70		1.7	3.2	5.1	7.4	9.7	12.0	13.5	13.5	12.0	9.7	7.4	5.1	3.2	1.7				
-80															-80				
-90	0.2	2.3		5.8		10.1		7.1		10.1		5.8		2.3		0.2			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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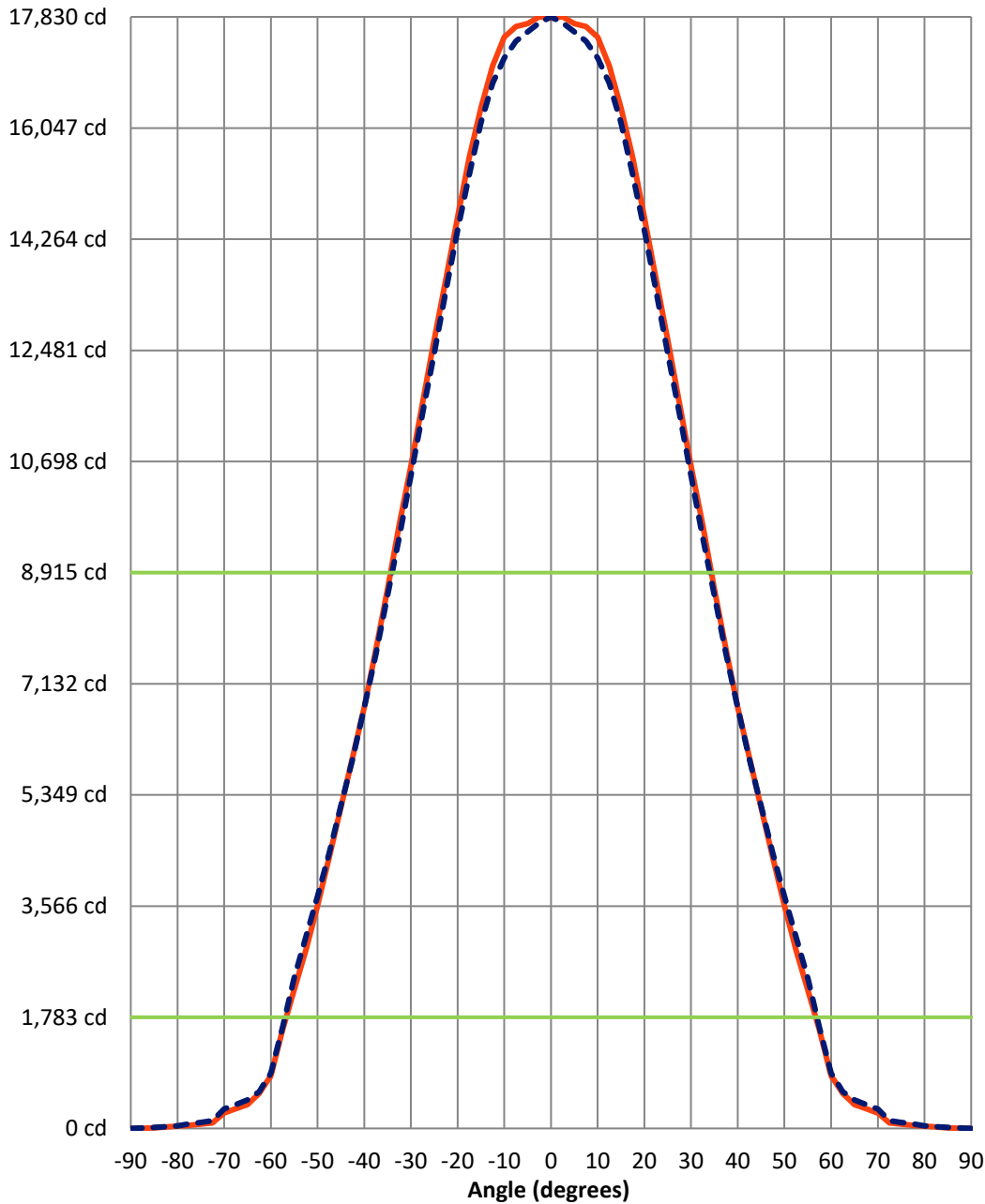
Luminous Intensity Polar Plot



— 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: 14468.3
Efficiency: 60.0%

Field:
H Angle: 114°
V Angle: 113.4°
Lumens: 23051.6
Efficiency: 95.5%

Spill:
Lumens: 1079.5
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	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
85°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.1	4.7	5.3	5.8
82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.3	6.2	7.4	10.1	13.0
80°	0.0	1.2	2.4	3.6	4.8	5.9	7.5	11.1	14.7	18.6	22.5
77.5°	0.0	1.5	3.0	4.5	5.9	8.2	12.6	17.3	22.0	26.9	33.6
75°	0.0	1.8	3.6	5.3	7.3	11.8	17.6	23.4	29.7	39.7	49.6
72.5°	0.0	2.1	4.1	6.2	9.7	15.3	22.5	30.8	42.5	54.1	65.5
70°	0.0	2.4	4.7	7.2	12.0	18.7	27.7	41.9	55.2	68.4	87.1
67.5°	0.0	2.6	5.3	8.5	14.2	21.9	36.1	52.9	67.7	87.4	109.5
65°	0.0	2.9	5.8	9.9	16.3	26.2	44.0	63.6	83.1	105.7	130.8
62.5°	0.0	3.2	6.4	11.1	18.3	31.4	51.4	75.2	97.7	123.7	151.1
60°	0.0	3.4	6.9	12.3	20.1	36.2	58.1	86.7	111.7	143.0	171.5
57.5°	0.0	3.7	7.6	13.4	22.9	40.5	64.8	97.1	128.7	162.3	188.5
55°	0.0	4.0	8.2	14.4	25.5	44.3	70.8	105.2	146.5	180.6	203.9
52.5°	0.0	4.2	8.9	15.3	27.8	47.7	76.0	117.1	164.3	194.8	219.4
50°	0.0	4.4	9.5	16.1	29.7	50.8	80.3	128.3	180.4	208.9	235.6
47.5°	0.0	4.7	10.1	16.9	31.4	53.4	84.4	138.0	193.0	222.9	251.0
45°	0.0	4.9	10.7	17.8	32.6	55.3	91.2	146.2	198.5	235.7	265.4
42.5°	0.0	5.1	11.2	18.5	33.5	56.5	96.9	150.7	202.0	247.5	281.2
40°	0.0	5.3	11.7	19.4	34.2	57.2	101.4	152.5	204.2	257.4	296.8
37.5°	0.0	5.5	12.2	20.3	34.4	57.2	104.8	153.0	206.4	261.8	311.9
35°	0.0	5.7	12.7	21.2	34.3	58.5	107.1	152.2	208.5	271.4	327.0
32.5°	0.0	5.8	13.1	22.1	33.8	60.0	107.5	150.2	210.6	283.6	342.0
30°	0.0	6.0	13.6	22.9	33.0	60.8	105.5	148.0	212.6	298.1	356.2
27.5°	0.0	6.1	13.9	23.6	33.8	60.8	102.6	148.4	217.9	314.8	369.5
25°	0.0	6.3	14.3	24.3	34.9	60.1	98.9	148.5	229.1	328.0	382.1
22.5°	0.0	6.4	14.6	24.9	35.8	60.1	94.4	148.1	241.1	338.1	398.2
20°	0.0	6.5	14.9	25.4	36.7	62.9	89.2	147.3	253.4	347.2	412.5
17.5°	0.0	6.6	15.2	25.9	37.6	65.4	88.3	145.9	265.7	355.4	425.1
15°	0.0	6.7	15.4	26.3	38.4	67.5	90.0	145.2	277.8	362.7	435.8
12.5°	0.0	6.7	15.6	26.7	39.1	69.3	91.7	144.2	288.4	368.9	444.7
10°	0.0	6.8	15.7	27.0	39.7	70.8	93.0	141.3	297.3	373.6	451.4
7.5°	0.0	6.8	15.8	27.2	40.2	71.9	94.2	136.8	304.3	377.5	455.2
5°	0.0	6.9	15.9	27.4	40.7	72.7	95.2	131.0	309.3	380.4	457.2
2.5°	0.0	6.9	16.0	27.5	41.0	73.1	95.9	124.3	311.9	382.2	457.5
0°	0.0	6.9	16.0	27.5	41.3	73.3	96.3	116.9	311.7	382.8	456.1
-2.5°	0.0	6.9	16.0	27.5	41.0	73.1	95.9	124.3	311.9	382.2	457.5
-5°	0.0	6.9	15.9	27.4	40.7	72.7	95.2	131.0	309.3	380.4	457.2
-7.5°	0.0	6.8	15.8	27.2	40.2	71.9	94.2	136.8	304.3	377.5	455.2
-10°	0.0	6.8	15.7	27.0	39.7	70.8	93.0	141.3	297.3	373.6	451.4
-12.5°	0.0	6.7	15.6	26.7	39.1	69.3	91.7	144.2	288.4	368.9	444.7
-15°	0.0	6.7	15.4	26.3	38.4	67.5	90.0	145.2	277.8	362.7	435.8
-17.5°	0.0	6.6	15.2	25.9	37.6	65.4	88.3	145.9	265.7	355.4	425.1
-20°	0.0	6.5	14.9	25.4	36.7	62.9	89.2	147.3	253.4	347.2	412.5



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 CATALOG NUMBER: GFLD-SA4E-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	6.4	14.6	24.9	35.8	60.1	94.4	148.1	241.1	338.1	398.2
-25°	0.0	6.3	14.3	24.3	34.9	60.1	98.9	148.5	229.1	328.0	382.1
-27.5°	0.0	6.1	13.9	23.6	33.8	60.8	102.6	148.4	217.9	314.8	369.5
-30°	0.0	6.0	13.6	22.9	33.0	60.8	105.5	148.0	212.6	298.1	356.2
-32.5°	0.0	5.8	13.1	22.1	33.8	60.0	107.5	150.2	210.6	283.6	342.0
-35°	0.0	5.7	12.7	21.2	34.3	58.5	107.1	152.2	208.5	271.4	327.0
-37.5°	0.0	5.5	12.2	20.3	34.4	57.2	104.8	153.0	206.4	261.8	311.9
-40°	0.0	5.3	11.7	19.4	34.2	57.2	101.4	152.5	204.2	257.4	296.8
-42.5°	0.0	5.1	11.2	18.5	33.5	56.5	96.9	150.7	202.0	247.5	281.2
-45°	0.0	4.9	10.7	17.8	32.6	55.3	91.2	146.2	198.5	235.7	265.4
-47.5°	0.0	4.7	10.1	16.9	31.4	53.4	84.4	138.0	193.0	222.9	251.0
-50°	0.0	4.4	9.5	16.1	29.7	50.8	80.3	128.3	180.4	208.9	235.6
-52.5°	0.0	4.2	8.9	15.3	27.8	47.7	76.0	117.1	164.3	194.8	219.4
-55°	0.0	4.0	8.2	14.4	25.5	44.3	70.8	105.2	146.5	180.6	203.9
-57.5°	0.0	3.7	7.6	13.4	22.9	40.5	64.8	97.1	128.7	162.3	188.5
-60°	0.0	3.4	6.9	12.3	20.1	36.2	58.1	86.7	111.7	143.0	171.5
-62.5°	0.0	3.2	6.4	11.1	18.3	31.4	51.4	75.2	97.7	123.7	151.1
-65°	0.0	2.9	5.8	9.9	16.3	26.2	44.0	63.6	83.1	105.7	130.8
-67.5°	0.0	2.6	5.3	8.5	14.2	21.9	36.1	52.9	67.7	87.4	109.5
-70°	0.0	2.4	4.7	7.2	12.0	18.7	27.7	41.9	55.2	68.4	87.1
-72.5°	0.0	2.1	4.1	6.2	9.7	15.3	22.5	30.8	42.5	54.1	65.5
-75°	0.0	1.8	3.6	5.3	7.3	11.8	17.6	23.4	29.7	39.7	49.6
-77.5°	0.0	1.5	3.0	4.5	5.9	8.2	12.6	17.3	22.0	26.9	33.6
-80°	0.0	1.2	2.4	3.6	4.8	5.9	7.5	11.1	14.7	18.6	22.5
-82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.3	6.2	7.4	10.1	13.0
-85°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.1	4.7	5.3	5.8
-87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
-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°	2.9	2.9	2.8	2.6	2.8	3.0	3.1	3.3	3.0	2.6	2.3
85°	5.9	5.8	6.5	7.0	7.7	8.2	8.4	8.4	9.4	10.7	12.2
82.5°	14.5	15.5	16.1	16.2	16.5	16.4	16.3	16.2	19.9	24.7	30.1
80°	24.4	25.4	29.2	33.4	35.6	35.5	33.7	30.0	35.6	44.5	55.2
77.5°	39.8	45.6	51.8	58.1	59.3	56.3	51.4	44.6	52.5	68.3	86.2
75°	57.9	65.8	74.8	81.6	81.6	76.7	70.3	68.9	82.3	101.4	117.2
72.5°	79.1	90.7	99.4	105.2	104.7	103.9	106.4	112.0	123.0	137.0	149.2
70°	104.7	116.4	122.8	125.7	126.9	133.3	142.8	149.9	157.7	171.5	184.3
67.5°	130.2	139.1	144.7	148.6	159.3	171.5	181.0	189.7	199.3	213.5	225.1
65°	152.8	161.9	169.9	181.8	197.4	208.9	220.2	231.9	248.7	264.5	274.0
62.5°	174.9	184.6	196.8	213.0	229.9	244.6	263.0	283.8	305.5	321.8	340.3
60°	192.1	205.9	223.1	242.4	262.5	286.5	310.2	334.5	356.8	378.5	405.8
57.5°	208.4	228.3	249.8	272.5	299.1	329.1	357.9	384.2	412.3	442.5	473.3
55°	226.3	252.4	276.3	303.2	335.8	373.8	405.9	437.1	470.6	521.5	565.9
52.5°	245.9	274.8	301.8	334.7	375.2	415.8	452.3	496.0	552.0	627.5	750.1
50°	264.4	295.4	327.0	369.5	413.3	456.1	509.0	569.7	682.0	822.9	1069.5
47.5°	282.8	315.6	357.5	403.4	451.2	507.6	574.5	707.4	860.6	1211.4	1561.0
45°	301.1	340.0	386.3	438.5	495.3	566.1	705.2	869.1	1285.8	1689.4	2109.7
42.5°	318.9	364.5	417.4	473.0	547.3	675.4	854.6	1287.6	1738.7	2202.2	2605.7
40°	339.1	387.3	448.6	519.1	617.2	811.9	1214.0	1701.5	2210.0	2647.9	3040.5
37.5°	358.2	415.2	481.7	563.8	740.3	1065.2	1583.3	2124.0	2616.4	3044.3	3463.6
35°	375.6	442.3	521.5	644.6	860.8	1396.2	1957.9	2507.8	2978.5	3435.3	3894.0
32.5°	396.1	468.4	559.7	751.6	1137.4	1715.9	2313.6	2837.6	3330.4	3817.5	4341.5
30°	418.8	500.8	612.9	853.7	1411.3	2026.5	2618.6	3153.9	3664.9	4205.9	4767.0
27.5°	440.2	532.0	701.1	1051.6	1668.9	2316.5	2896.2	3447.0	3995.6	4571.6	5175.8
25°	459.6	561.7	783.7	1268.7	1917.5	2563.9	3151.5	3712.1	4304.3	4930.4	5566.2
22.5°	480.5	590.6	858.3	1466.4	2145.0	2784.2	3377.0	3971.3	4598.3	5261.8	5925.0
20°	503.0	652.3	981.0	1649.0	2351.6	2984.3	3579.4	4212.2	4873.3	5560.5	6261.0
17.5°	523.6	706.9	1127.5	1822.1	2525.4	3158.3	3761.6	4430.4	5112.4	5830.9	6568.6
15°	542.1	754.2	1256.7	1975.3	2672.9	3306.1	3939.2	4624.1	5325.0	6073.2	6839.6
12.5°	558.3	794.2	1367.7	2107.6	2797.3	3432.5	4088.5	4787.4	5514.4	6285.2	7083.7
10°	572.2	826.8	1460.0	2218.4	2898.5	3536.8	4208.4	4923.4	5665.2	6455.8	7280.6
7.5°	581.0	853.6	1533.1	2306.8	2976.6	3618.5	4298.8	5030.5	5775.4	6589.0	7429.5
5°	586.7	875.6	1585.8	2372.2	3033.5	3680.0	4363.9	5107.5	5846.2	6682.5	7529.7
2.5°	589.4	890.7	1618.0	2414.1	3069.2	3723.2	4417.8	5174.9	5920.7	6749.1	7607.2
0°	589.1	898.5	1629.6	2431.9	3082.8	3742.9	4444.3	5209.8	5968.5	6777.6	7660.0
-2.5°	589.4	890.7	1618.0	2414.1	3069.2	3723.2	4417.8	5174.9	5920.7	6749.1	7607.2
-5°	586.7	875.6	1585.8	2372.2	3033.5	3680.0	4363.9	5107.5	5846.2	6682.5	7529.7
-7.5°	581.0	853.6	1533.1	2306.8	2976.6	3618.5	4298.8	5030.5	5775.4	6589.0	7429.5
-10°	572.2	826.8	1460.0	2218.4	2898.5	3536.8	4208.4	4923.4	5665.2	6455.8	7280.6
-12.5°	558.3	794.2	1367.7	2107.6	2797.3	3432.5	4088.5	4787.4	5514.4	6285.2	7083.7
-15°	542.1	754.2	1256.7	1975.3	2672.9	3306.1	3939.2	4624.1	5325.0	6073.2	6839.6
-17.5°	523.6	706.9	1127.5	1822.1	2525.4	3158.3	3761.6	4430.4	5112.4	5830.9	6568.6
-20°	503.0	652.3	981.0	1649.0	2351.6	2984.3	3579.4	4212.2	4873.3	5560.5	6261.0



REPORT NUMBER: P559003 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	480.5	590.6	858.3	1466.4	2145.0	2784.2	3377.0	3971.3	4598.3	5261.8	5925.0
-25°	459.6	561.7	783.7	1268.7	1917.5	2563.9	3151.5	3712.1	4304.3	4930.4	5566.2
-27.5°	440.2	532.0	701.1	1051.6	1668.9	2316.5	2896.2	3447.0	3995.6	4571.6	5175.8
-30°	418.8	500.8	612.9	853.7	1411.3	2026.5	2618.6	3153.9	3664.9	4205.9	4767.0
-32.5°	396.1	468.4	559.7	751.6	1137.4	1715.9	2313.6	2837.6	3330.4	3817.5	4341.5
-35°	375.6	442.3	521.5	644.6	860.8	1396.2	1957.9	2507.8	2978.5	3435.3	3894.0
-37.5°	358.2	415.2	481.7	563.8	740.3	1065.2	1583.3	2124.0	2616.4	3044.3	3463.6
-40°	339.1	387.3	448.6	519.1	617.2	811.9	1214.0	1701.5	2210.0	2647.9	3040.5
-42.5°	318.9	364.5	417.4	473.0	547.3	675.4	854.6	1287.6	1738.7	2202.2	2605.7
-45°	301.1	340.0	386.3	438.5	495.3	566.1	705.2	869.1	1285.8	1689.4	2109.7
-47.5°	282.8	315.6	357.5	403.4	451.2	507.6	574.5	707.4	860.6	1211.4	1561.0
-50°	264.4	295.4	327.0	369.5	413.3	456.1	509.0	569.7	682.0	822.9	1069.5
-52.5°	245.9	274.8	301.8	334.7	375.2	415.8	452.3	496.0	552.0	627.5	750.1
-55°	226.3	252.4	276.3	303.2	335.8	373.8	405.9	437.1	470.6	521.5	565.9
-57.5°	208.4	228.3	249.8	272.5	299.1	329.1	357.9	384.2	412.3	442.5	473.3
-60°	192.1	205.9	223.1	242.4	262.5	286.5	310.2	334.5	356.8	378.5	405.8
-62.5°	174.9	184.6	196.8	213.0	229.9	244.6	263.0	283.8	305.5	321.8	340.3
-65°	152.8	161.9	169.9	181.8	197.4	208.9	220.2	231.9	248.7	264.5	274.0
-67.5°	130.2	139.1	144.7	148.6	159.3	171.5	181.0	189.7	199.3	213.5	225.1
-70°	104.7	116.4	122.8	125.7	126.9	133.3	142.8	149.9	157.7	171.5	184.3
-72.5°	79.1	90.7	99.4	105.2	104.7	103.9	106.4	112.0	123.0	137.0	149.2
-75°	57.9	65.8	74.8	81.6	81.6	76.7	70.3	68.9	82.3	101.4	117.2
-77.5°	39.8	45.6	51.8	58.1	59.3	56.3	51.4	44.6	52.5	68.3	86.2
-80°	24.4	25.4	29.2	33.4	35.6	35.5	33.7	30.0	35.6	44.5	55.2
-82.5°	14.5	15.5	16.1	16.2	16.5	16.4	16.3	16.2	19.9	24.7	30.1
-85°	5.9	5.8	6.5	7.0	7.7	8.2	8.4	8.4	9.4	10.7	12.2
-87.5°	2.9	2.9	2.8	2.6	2.8	3.0	3.1	3.3	3.0	2.6	2.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559003 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.3
85°	13.9	13.7	13.2	12.6	11.7	12.0	12.4	12.7	13.0	12.2	11.2
82.5°	35.9	38.6	41.1	43.8	46.6	46.2	44.9	43.0	40.6	36.2	31.3
80°	67.4	73.7	77.9	81.3	83.9	81.4	77.4	72.9	67.9	60.3	52.0
77.5°	104.6	110.9	114.2	118.2	122.6	123.4	123.6	124.1	124.5	110.5	92.6
75°	129.8	138.2	145.1	151.3	156.6	159.3	161.1	162.8	164.4	145.8	121.4
72.5°	159.6	167.8	174.4	181.0	186.8	191.3	194.8	197.6	199.9	184.8	163.4
70°	194.5	202.6	210.2	217.0	223.7	229.7	235.2	240.2	244.8	245.7	246.8
67.5°	233.8	238.6	247.6	256.2	266.5	274.0	282.4	290.2	297.5	303.6	308.7
65°	282.4	299.7	317.2	325.8	326.5	337.4	354.6	364.1	366.9	369.1	374.5
62.5°	364.1	386.4	398.1	413.5	434.6	457.5	466.4	479.0	494.5	511.9	527.7
60°	428.9	447.9	476.3	505.1	530.8	554.1	610.6	660.8	703.8	740.9	776.5
57.5°	509.5	540.9	584.2	662.4	733.8	798.4	908.9	1043.7	1163.9	1269.1	1361.5
55°	637.8	729.2	811.4	995.8	1192.9	1363.4	1523.1	1693.9	1832.9	1941.6	2042.2
52.5°	856.7	1107.9	1362.5	1602.0	1837.4	2051.8	2244.2	2395.5	2513.7	2602.3	2686.3
50°	1371.4	1674.2	1984.3	2270.0	2501.3	2712.7	2912.9	3063.0	3188.6	3296.8	3392.5
47.5°	1932.7	2287.0	2580.1	2843.6	3092.9	3327.4	3546.4	3729.1	3883.9	4026.6	4145.4
45°	2491.2	2808.1	3108.7	3391.3	3662.6	3925.4	4161.0	4368.8	4573.6	4742.8	4876.6
42.5°	2963.4	3299.0	3618.7	3942.1	4245.4	4540.2	4824.8	5077.6	5295.1	5480.0	5628.8
40°	3416.7	3778.5	4158.2	4517.2	4877.4	5213.8	5529.1	5817.7	6065.5	6284.4	6469.7
37.5°	3878.0	4300.5	4717.6	5126.8	5523.7	5889.6	6251.4	6584.4	6874.7	7130.9	7346.0
35°	4364.9	4830.5	5284.5	5745.5	6178.8	6602.2	7002.2	7368.7	7690.2	7992.1	8251.5
32.5°	4852.6	5357.1	5868.3	6367.1	6847.2	7321.4	7760.1	8173.2	8553.3	8887.3	9164.3
30°	5327.5	5883.0	6429.8	6973.3	7521.3	8037.9	8523.8	8977.6	9390.0	9753.9	10068.6
27.5°	5783.2	6380.3	6966.9	7588.5	8183.9	8745.9	9273.8	9761.7	10222.0	10635.8	10993.0
25°	6204.9	6839.1	7522.8	8174.8	8811.9	9435.1	10013.6	10543.5	11069.8	11525.2	11913.0
22.5°	6603.3	7311.0	8030.9	8714.6	9417.6	10102.9	10750.4	11364.6	11926.6	12403.8	12817.3
20°	6982.1	7743.7	8485.4	9242.5	10003.7	10743.1	11456.1	12112.5	12706.4	13226.3	13692.7
17.5°	7339.9	8128.0	8916.2	9724.6	10546.7	11324.1	12079.5	12793.5	13441.9	14018.7	14544.4
15°	7649.4	8463.8	9307.7	10167.0	11026.8	11853.4	12655.1	13432.9	14162.3	14790.2	15320.5
12.5°	7912.4	8760.8	9653.6	10555.1	11461.5	12327.9	13177.6	14010.0	14785.3	15460.3	16004.7
10°	8130.6	9019.5	9952.0	10891.0	11820.6	12720.9	13604.6	14465.8	15298.7	15998.3	16557.4
7.5°	8312.4	9235.4	10189.5	11156.8	12094.8	13029.7	13951.4	14821.4	15641.9	16379.7	16954.3
5°	8448.2	9386.6	10360.9	11352.3	12304.7	13272.9	14222.0	15112.3	15924.7	16593.2	17062.3
2.5°	8549.3	9480.8	10472.2	11470.2	12435.1	13438.4	14407.6	15298.9	16130.3	16763.1	17169.3
0°	8618.1	9532.6	10573.2	11551.9	12532.9	13562.0	14520.1	15420.9	16255.2	16874.1	17293.5
-2.5°	8549.3	9480.8	10472.2	11470.2	12435.1	13438.4	14407.6	15298.9	16130.3	16763.1	17169.3
-5°	8448.2	9386.6	10360.9	11352.3	12304.7	13272.9	14222.0	15112.3	15924.7	16593.2	17062.3
-7.5°	8312.4	9235.4	10189.5	11156.8	12094.8	13029.7	13951.4	14821.4	15641.9	16379.7	16954.3
-10°	8130.6	9019.5	9952.0	10891.0	11820.6	12720.9	13604.6	14465.8	15298.7	15998.3	16557.4
-12.5°	7912.4	8760.8	9653.6	10555.1	11461.5	12327.9	13177.6	14010.0	14785.3	15460.3	16004.7
-15°	7649.4	8463.8	9307.7	10167.0	11026.8	11853.4	12655.1	13432.9	14162.3	14790.2	15320.5
-17.5°	7339.9	8128.0	8916.2	9724.6	10546.7	11324.1	12079.5	12793.5	13441.9	14018.7	14544.4
-20°	6982.1	7743.7	8485.4	9242.5	10003.7	10743.1	11456.1	12112.5	12706.4	13226.3	13692.7



REPORT NUMBER: P559003 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	6603.3	7311.0	8030.9	8714.6	9417.6	10102.9	10750.4	11364.6	11926.6	12403.8	12817.3
-25°	6204.9	6839.1	7522.8	8174.8	8811.9	9435.1	10013.6	10543.5	11069.8	11525.2	11913.0
-27.5°	5783.2	6380.3	6966.9	7588.5	8183.9	8745.9	9273.8	9761.7	10222.0	10635.8	10993.0
-30°	5327.5	5883.0	6429.8	6973.3	7521.3	8037.9	8523.8	8977.6	9390.0	9753.9	10068.6
-32.5°	4852.6	5357.1	5868.3	6367.1	6847.2	7321.4	7760.1	8173.2	8553.3	8887.3	9164.3
-35°	4364.9	4830.5	5284.5	5745.5	6178.8	6602.2	7002.2	7368.7	7690.2	7992.1	8251.5
-37.5°	3878.0	4300.5	4717.6	5126.8	5523.7	5889.6	6251.4	6584.4	6874.7	7130.9	7346.0
-40°	3416.7	3778.5	4158.2	4517.2	4877.4	5213.8	5529.1	5817.7	6065.5	6284.4	6469.7
-42.5°	2963.4	3299.0	3618.7	3942.1	4245.4	4540.2	4824.8	5077.6	5295.1	5480.0	5628.8
-45°	2491.2	2808.1	3108.7	3391.3	3662.6	3925.4	4161.0	4368.8	4573.6	4742.8	4876.6
-47.5°	1932.7	2287.0	2580.1	2843.6	3092.9	3327.4	3546.4	3729.1	3883.9	4026.6	4145.4
-50°	1371.4	1674.2	1984.3	2270.0	2501.3	2712.7	2912.9	3063.0	3188.6	3296.8	3392.5
-52.5°	856.7	1107.9	1362.5	1602.0	1837.4	2051.8	2244.2	2395.5	2513.7	2602.3	2686.3
-55°	637.8	729.2	811.4	995.8	1192.9	1363.4	1523.1	1693.9	1832.9	1941.6	2042.2
-57.5°	509.5	540.9	584.2	662.4	733.8	798.4	908.9	1043.7	1163.9	1269.1	1361.5
-60°	428.9	447.9	476.3	505.1	530.8	554.1	610.6	660.8	703.8	740.9	776.5
-62.5°	364.1	386.4	398.1	413.5	434.6	457.5	466.4	479.0	494.5	511.9	527.7
-65°	282.4	299.7	317.2	325.8	326.5	337.4	354.6	364.1	366.9	369.1	374.5
-67.5°	233.8	238.6	247.6	256.2	266.5	274.0	282.4	290.2	297.5	303.6	308.7
-70°	194.5	202.6	210.2	217.0	223.7	229.7	235.2	240.2	244.8	245.7	246.8
-72.5°	159.6	167.8	174.4	181.0	186.8	191.3	194.8	197.6	199.9	184.8	163.4
-75°	129.8	138.2	145.1	151.3	156.6	159.3	161.1	162.8	164.4	145.8	121.4
-77.5°	104.6	110.9	114.2	118.2	122.6	123.4	123.6	124.1	124.5	110.5	92.6
-80°	67.4	73.7	77.9	81.3	83.9	81.4	77.4	72.9	67.9	60.3	52.0
-82.5°	35.9	38.6	41.1	43.8	46.6	46.2	44.9	43.0	40.6	36.2	31.3
-85°	13.9	13.7	13.2	12.6	11.7	12.0	12.4	12.7	13.0	12.2	11.2
-87.5°	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559003 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2
85°	10.2	9.2	9.2	9.2	9.2	9.2	10.2	11.2	12.2	13.0	12.7
82.5°	26.1	20.6	21.7	22.9	21.7	20.6	26.1	31.3	36.2	40.6	43.0
80°	43.4	34.5	35.5	36.7	35.5	34.5	43.4	52.0	60.3	67.9	72.9
77.5°	73.5	53.3	51.5	50.4	51.5	53.3	73.5	92.6	110.5	124.5	124.1
75°	96.1	70.2	68.7	68.8	68.7	70.2	96.1	121.4	145.8	164.4	162.8
72.5°	141.9	120.0	104.8	89.4	104.8	120.0	141.9	163.4	184.8	199.9	197.6
70°	249.4	252.5	251.2	247.5	251.2	252.5	249.4	246.8	245.7	244.8	240.2
67.5°	313.0	316.3	317.0	316.3	317.0	316.3	313.0	308.7	303.6	297.5	290.2
65°	378.2	380.4	382.1	382.8	382.1	380.4	378.2	374.5	369.1	366.9	364.1
62.5°	539.5	547.3	555.7	561.6	555.7	547.3	539.5	527.7	511.9	494.5	479.0
60°	807.6	833.3	844.7	845.8	844.7	833.3	807.6	776.5	740.9	703.8	660.8
57.5°	1435.5	1490.8	1540.0	1576.9	1540.0	1490.8	1435.5	1361.5	1269.1	1163.9	1043.7
55°	2122.3	2181.2	2214.4	2223.3	2214.4	2181.2	2122.3	2042.2	1941.6	1832.9	1693.9
52.5°	2750.0	2789.2	2826.3	2858.2	2826.3	2789.2	2750.0	2686.3	2602.3	2513.7	2395.5
50°	3464.8	3508.4	3545.1	3573.3	3545.1	3508.4	3464.8	3392.5	3296.8	3188.6	3063.0
47.5°	4228.9	4282.3	4321.6	4348.0	4321.6	4282.3	4228.9	4145.4	4026.6	3883.9	3729.1
45°	4991.2	5082.6	5138.2	5147.9	5138.2	5082.6	4991.2	4876.6	4742.8	4573.6	4368.8
42.5°	5757.5	5845.1	5904.2	5947.9	5904.2	5845.1	5757.5	5628.8	5480.0	5295.1	5077.6
40°	6624.1	6734.1	6784.6	6752.4	6784.6	6734.1	6624.1	6469.7	6284.4	6065.5	5817.7
37.5°	7511.9	7625.0	7683.3	7680.7	7683.3	7625.0	7511.9	7346.0	7130.9	6874.7	6584.4
35°	8453.2	8593.4	8669.3	8650.2	8669.3	8593.4	8453.2	8251.5	7992.1	7690.2	7368.7
32.5°	9385.6	9555.1	9664.6	9681.6	9664.6	9555.1	9385.6	9164.3	8887.3	8553.3	8173.2
30°	10320.9	10504.2	10613.0	10623.6	10613.0	10504.2	10320.9	10068.6	9753.9	9390.0	8977.6
27.5°	11292.8	11497.8	11611.8	11639.0	11611.8	11497.8	11292.8	10993.0	10635.8	10222.0	9761.7
25°	12243.7	12471.2	12602.0	12652.1	12602.0	12471.2	12243.7	11913.0	11525.2	11069.8	10543.5
22.5°	13160.6	13410.1	13580.5	13623.9	13580.5	13410.1	13160.6	12817.3	12403.8	11926.6	11364.6
20°	14080.2	14374.6	14592.6	14614.1	14592.6	14374.6	14080.2	13692.7	13226.3	12706.4	12112.5
17.5°	14965.7	15284.3	15517.5	15574.5	15517.5	15284.3	14965.7	14544.4	14018.7	13441.9	12793.5
15°	15758.4	16092.7	16318.0	16367.5	16318.0	16092.7	15758.4	15320.5	14790.2	14162.3	13432.9
12.5°	16442.4	16750.6	16960.9	17041.4	16960.9	16750.6	16442.4	16004.7	15460.3	14785.3	14010.0
10°	16993.5	17231.6	17419.6	17504.4	17419.6	17231.6	16993.5	16557.4	15998.3	15298.7	14465.8
7.5°	17301.1	17497.0	17627.2	17674.0	17627.2	17497.0	17301.1	16954.3	16379.7	15641.9	14821.4
5°	17422.7	17610.5	17681.0	17722.1	17681.0	17610.5	17422.7	17062.3	16593.2	15924.7	15112.3
2.5°	17439.3	17589.6	17734.5	17829.8	17734.5	17589.6	17439.3	17169.3	16763.1	16130.3	15298.9
0°	17536.5	17683.1	17763.4	17809.2	17763.4	17683.1	17536.5	17293.5	16874.1	16255.2	15420.9
-2.5°	17439.3	17589.6	17734.5	17829.8	17734.5	17589.6	17439.3	17169.3	16763.1	16130.3	15298.9
-5°	17422.7	17610.5	17681.0	17722.1	17681.0	17610.5	17422.7	17062.3	16593.2	15924.7	15112.3
-7.5°	17301.1	17497.0	17627.2	17674.0	17627.2	17497.0	17301.1	16954.3	16379.7	15641.9	14821.4
-10°	16993.5	17231.6	17419.6	17504.4	17419.6	17231.6	16993.5	16557.4	15998.3	15298.7	14465.8
-12.5°	16442.4	16750.6	16960.9	17041.4	16960.9	16750.6	16442.4	16004.7	15460.3	14785.3	14010.0
-15°	15758.4	16092.7	16318.0	16367.5	16318.0	16092.7	15758.4	15320.5	14790.2	14162.3	13432.9
-17.5°	14965.7	15284.3	15517.5	15574.5	15517.5	15284.3	14965.7	14544.4	14018.7	13441.9	12793.5
-20°	14080.2	14374.6	14592.6	14614.1	14592.6	14374.6	14080.2	13692.7	13226.3	12706.4	12112.5



REPORT NUMBER: P559003 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-940-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	13160.6	13410.1	13580.5	13623.9	13580.5	13410.1	13160.6	12817.3	12403.8	11926.6	11364.6
-25°	12243.7	12471.2	12602.0	12652.1	12602.0	12471.2	12243.7	11913.0	11525.2	11069.8	10543.5
-27.5°	11292.8	11497.8	11611.8	11639.0	11611.8	11497.8	11292.8	10993.0	10635.8	10222.0	9761.7
-30°	10320.9	10504.2	10613.0	10623.6	10613.0	10504.2	10320.9	10068.6	9753.9	9390.0	8977.6
-32.5°	9385.6	9555.1	9664.6	9681.6	9664.6	9555.1	9385.6	9164.3	8887.3	8553.3	8173.2
-35°	8453.2	8593.4	8669.3	8650.2	8669.3	8593.4	8453.2	8251.5	7992.1	7690.2	7368.7
-37.5°	7511.9	7625.0	7683.3	7680.7	7683.3	7625.0	7511.9	7346.0	7130.9	6874.7	6584.4
-40°	6624.1	6734.1	6784.6	6752.4	6784.6	6734.1	6624.1	6469.7	6284.4	6065.5	5817.7
-42.5°	5757.5	5845.1	5904.2	5947.9	5904.2	5845.1	5757.5	5628.8	5480.0	5295.1	5077.6
-45°	4991.2	5082.6	5138.2	5147.9	5138.2	5082.6	4991.2	4876.6	4742.8	4573.6	4368.8
-47.5°	4228.9	4282.3	4321.6	4348.0	4321.6	4282.3	4228.9	4145.4	4026.6	3883.9	3729.1
-50°	3464.8	3508.4	3545.1	3573.3	3545.1	3508.4	3464.8	3392.5	3296.8	3188.6	3063.0
-52.5°	2750.0	2789.2	2826.3	2858.2	2826.3	2789.2	2750.0	2686.3	2602.3	2513.7	2395.5
-55°	2122.3	2181.2	2214.4	2223.3	2214.4	2181.2	2122.3	2042.2	1941.6	1832.9	1693.9
-57.5°	1435.5	1490.8	1540.0	1576.9	1540.0	1490.8	1435.5	1361.5	1269.1	1163.9	1043.7
-60°	807.6	833.3	844.7	845.8	844.7	833.3	807.6	776.5	740.9	703.8	660.8
-62.5°	539.5	547.3	555.7	561.6	555.7	547.3	539.5	527.7	511.9	494.5	479.0
-65°	378.2	380.4	382.1	382.8	382.1	380.4	378.2	374.5	369.1	366.9	364.1
-67.5°	313.0	316.3	317.0	316.3	317.0	316.3	313.0	308.7	303.6	297.5	290.2
-70°	249.4	252.5	251.2	247.5	251.2	252.5	249.4	246.8	245.7	244.8	240.2
-72.5°	141.9	120.0	104.8	89.4	104.8	120.0	141.9	163.4	184.8	199.9	197.6
-75°	96.1	70.2	68.7	68.8	68.7	70.2	96.1	121.4	145.8	164.4	162.8
-77.5°	73.5	53.3	51.5	50.4	51.5	53.3	73.5	92.6	110.5	124.5	124.1
-80°	43.4	34.5	35.5	36.7	35.5	34.5	43.4	52.0	60.3	67.9	72.9
-82.5°	26.1	20.6	21.7	22.9	21.7	20.6	26.1	31.3	36.2	40.6	43.0
-85°	10.2	9.2	9.2	9.2	9.2	9.2	10.2	11.2	12.2	13.0	12.7
-87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559003 (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°	2.2	2.1	2.1	2.0	2.0	1.9	1.9	2.3	2.6	3.0	3.3
85°	12.4	12.0	11.7	12.6	13.2	13.7	13.9	12.2	10.7	9.4	8.4
82.5°	44.9	46.2	46.6	43.8	41.1	38.6	35.9	30.1	24.7	19.9	16.2
80°	77.4	81.4	83.9	81.3	77.9	73.7	67.4	55.2	44.5	35.6	30.0
77.5°	123.6	123.4	122.6	118.2	114.2	110.9	104.6	86.2	68.3	52.5	44.6
75°	161.1	159.3	156.6	151.3	145.1	138.2	129.8	117.2	101.4	82.3	68.9
72.5°	194.8	191.3	186.8	181.0	174.4	167.8	159.6	149.2	137.0	123.0	112.0
70°	235.2	229.7	223.7	217.0	210.2	202.6	194.5	184.3	171.5	157.7	149.9
67.5°	282.4	274.0	266.5	256.2	247.6	238.6	233.8	225.1	213.5	199.3	189.7
65°	354.6	337.4	326.5	325.8	317.2	299.7	282.4	274.0	264.5	248.7	231.9
62.5°	466.4	457.5	434.6	413.5	398.1	386.4	364.1	340.3	321.8	305.5	283.8
60°	610.6	554.1	530.8	505.1	476.3	447.9	428.9	405.8	378.5	356.8	334.5
57.5°	908.9	798.4	733.8	662.4	584.2	540.9	509.5	473.3	442.5	412.3	384.2
55°	1523.1	1363.4	1192.9	995.8	811.4	729.2	637.8	565.9	521.5	470.6	437.1
52.5°	2244.2	2051.8	1837.4	1602.0	1362.5	1107.9	856.7	750.1	627.5	552.0	496.0
50°	2912.9	2712.7	2501.3	2270.0	1984.3	1674.2	1371.4	1069.5	822.9	682.0	569.7
47.5°	3546.4	3327.4	3092.9	2843.6	2580.1	2287.0	1932.7	1561.0	1211.4	860.6	707.4
45°	4161.0	3925.4	3662.6	3391.3	3108.7	2808.1	2491.2	2109.7	1689.4	1285.8	869.1
42.5°	4824.8	4540.2	4245.4	3942.1	3618.7	3299.0	2963.4	2605.7	2202.2	1738.7	1287.6
40°	5529.1	5213.8	4877.4	4517.2	4158.2	3778.5	3416.7	3040.5	2647.9	2210.0	1701.5
37.5°	6251.4	5889.6	5523.7	5126.8	4717.6	4300.5	3878.0	3463.6	3044.3	2616.4	2124.0
35°	7002.2	6602.2	6178.8	5745.5	5284.5	4830.5	4364.9	3894.0	3435.3	2978.5	2507.8
32.5°	7760.1	7321.4	6847.2	6367.1	5868.3	5357.1	4852.6	4341.5	3817.5	3330.4	2837.6
30°	8523.8	8037.9	7521.3	6973.3	6429.8	5883.0	5327.5	4767.0	4205.9	3664.9	3153.9
27.5°	9273.8	8745.9	8183.9	7588.5	6966.9	6380.3	5783.2	5175.8	4571.6	3995.6	3447.0
25°	10013.6	9435.1	8811.9	8174.8	7522.8	6839.1	6204.9	5566.2	4930.4	4304.3	3712.1
22.5°	10750.4	10102.9	9417.6	8714.6	8030.9	7311.0	6603.3	5925.0	5261.8	4598.3	3971.3
20°	11456.1	10743.1	10003.7	9242.5	8485.4	7743.7	6982.1	6261.0	5560.5	4873.3	4212.2
17.5°	12079.5	11324.1	10546.7	9724.6	8916.2	8128.0	7339.9	6568.6	5830.9	5112.4	4430.4
15°	12655.1	11853.4	11026.8	10167.0	9307.7	8463.8	7649.4	6839.6	6073.2	5325.0	4624.1
12.5°	13177.6	12327.9	11461.5	10555.1	9653.6	8760.8	7912.4	7083.7	6285.2	5514.4	4787.4
10°	13604.6	12720.9	11820.6	10891.0	9952.0	9019.5	8130.6	7280.6	6455.8	5665.2	4923.4
7.5°	13951.4	13029.7	12094.8	11156.8	10189.5	9235.4	8312.4	7429.5	6589.0	5775.4	5030.5
5°	14222.0	13272.9	12304.7	11352.3	10360.9	9386.6	8448.2	7529.7	6682.5	5846.2	5107.5
2.5°	14407.6	13438.4	12435.1	11470.2	10472.2	9480.8	8549.3	7607.2	6749.1	5920.7	5174.9
0°	14520.1	13562.0	12532.9	11551.9	10573.2	9532.6	8618.1	7660.0	6777.6	5968.5	5209.8
-2.5°	14407.6	13438.4	12435.1	11470.2	10472.2	9480.8	8549.3	7607.2	6749.1	5920.7	5174.9
-5°	14222.0	13272.9	12304.7	11352.3	10360.9	9386.6	8448.2	7529.7	6682.5	5846.2	5107.5
-7.5°	13951.4	13029.7	12094.8	11156.8	10189.5	9235.4	8312.4	7429.5	6589.0	5775.4	5030.5
-10°	13604.6	12720.9	11820.6	10891.0	9952.0	9019.5	8130.6	7280.6	6455.8	5665.2	4923.4
-12.5°	13177.6	12327.9	11461.5	10555.1	9653.6	8760.8	7912.4	7083.7	6285.2	5514.4	4787.4
-15°	12655.1	11853.4	11026.8	10167.0	9307.7	8463.8	7649.4	6839.6	6073.2	5325.0	4624.1
-17.5°	12079.5	11324.1	10546.7	9724.6	8916.2	8128.0	7339.9	6568.6	5830.9	5112.4	4430.4
-20°	11456.1	10743.1	10003.7	9242.5	8485.4	7743.7	6982.1	6261.0	5560.5	4873.3	4212.2



REPORT NUMBER: P559003 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	10750.4	10102.9	9417.6	8714.6	8030.9	7311.0	6603.3	5925.0	5261.8	4598.3	3971.3
-25°	10013.6	9435.1	8811.9	8174.8	7522.8	6839.1	6204.9	5566.2	4930.4	4304.3	3712.1
-27.5°	9273.8	8745.9	8183.9	7588.5	6966.9	6380.3	5783.2	5175.8	4571.6	3995.6	3447.0
-30°	8523.8	8037.9	7521.3	6973.3	6429.8	5883.0	5327.5	4767.0	4205.9	3664.9	3153.9
-32.5°	7760.1	7321.4	6847.2	6367.1	5868.3	5357.1	4852.6	4341.5	3817.5	3330.4	2837.6
-35°	7002.2	6602.2	6178.8	5745.5	5284.5	4830.5	4364.9	3894.0	3435.3	2978.5	2507.8
-37.5°	6251.4	5889.6	5523.7	5126.8	4717.6	4300.5	3878.0	3463.6	3044.3	2616.4	2124.0
-40°	5529.1	5213.8	4877.4	4517.2	4158.2	3778.5	3416.7	3040.5	2647.9	2210.0	1701.5
-42.5°	4824.8	4540.2	4245.4	3942.1	3618.7	3299.0	2963.4	2605.7	2202.2	1738.7	1287.6
-45°	4161.0	3925.4	3662.6	3391.3	3108.7	2808.1	2491.2	2109.7	1689.4	1285.8	869.1
-47.5°	3546.4	3327.4	3092.9	2843.6	2580.1	2287.0	1932.7	1561.0	1211.4	860.6	707.4
-50°	2912.9	2712.7	2501.3	2270.0	1984.3	1674.2	1371.4	1069.5	822.9	682.0	569.7
-52.5°	2244.2	2051.8	1837.4	1602.0	1362.5	1107.9	856.7	750.1	627.5	552.0	496.0
-55°	1523.1	1363.4	1192.9	995.8	811.4	729.2	637.8	565.9	521.5	470.6	437.1
-57.5°	908.9	798.4	733.8	662.4	584.2	540.9	509.5	473.3	442.5	412.3	384.2
-60°	610.6	554.1	530.8	505.1	476.3	447.9	428.9	405.8	378.5	356.8	334.5
-62.5°	466.4	457.5	434.6	413.5	398.1	386.4	364.1	340.3	321.8	305.5	283.8
-65°	354.6	337.4	326.5	325.8	317.2	299.7	282.4	274.0	264.5	248.7	231.9
-67.5°	282.4	274.0	266.5	256.2	247.6	238.6	233.8	225.1	213.5	199.3	189.7
-70°	235.2	229.7	223.7	217.0	210.2	202.6	194.5	184.3	171.5	157.7	149.9
-72.5°	194.8	191.3	186.8	181.0	174.4	167.8	159.6	149.2	137.0	123.0	112.0
-75°	161.1	159.3	156.6	151.3	145.1	138.2	129.8	117.2	101.4	82.3	68.9
-77.5°	123.6	123.4	122.6	118.2	114.2	110.9	104.6	86.2	68.3	52.5	44.6
-80°	77.4	81.4	83.9	81.3	77.9	73.7	67.4	55.2	44.5	35.6	30.0
-82.5°	44.9	46.2	46.6	43.8	41.1	38.6	35.9	30.1	24.7	19.9	16.2
-85°	12.4	12.0	11.7	12.6	13.2	13.7	13.9	12.2	10.7	9.4	8.4
-87.5°	2.2	2.1	2.1	2.0	2.0	1.9	1.9	2.3	2.6	3.0	3.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559003 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-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°	3.1	3.0	2.8	2.6	2.8	2.9	2.9	2.9	2.6	2.4	2.1
85°	8.4	8.2	7.7	7.0	6.5	5.8	5.9	5.8	5.3	4.7	4.1
82.5°	16.3	16.4	16.5	16.2	16.1	15.5	14.5	13.0	10.1	7.4	6.2
80°	33.7	35.5	35.6	33.4	29.2	25.4	24.4	22.5	18.6	14.7	11.1
77.5°	51.4	56.3	59.3	58.1	51.8	45.6	39.8	33.6	26.9	22.0	17.3
75°	70.3	76.7	81.6	81.6	74.8	65.8	57.9	49.6	39.7	29.7	23.4
72.5°	106.4	103.9	104.7	105.2	99.4	90.7	79.1	65.5	54.1	42.5	30.8
70°	142.8	133.3	126.9	125.7	122.8	116.4	104.7	87.1	68.4	55.2	41.9
67.5°	181.0	171.5	159.3	148.6	144.7	139.1	130.2	109.5	87.4	67.7	52.9
65°	220.2	208.9	197.4	181.8	169.9	161.9	152.8	130.8	105.7	83.1	63.6
62.5°	263.0	244.6	229.9	213.0	196.8	184.6	174.9	151.1	123.7	97.7	75.2
60°	310.2	286.5	262.5	242.4	223.1	205.9	192.1	171.5	143.0	111.7	86.7
57.5°	357.9	329.1	299.1	272.5	249.8	228.3	208.4	188.5	162.3	128.7	97.1
55°	405.9	373.8	335.8	303.2	276.3	252.4	226.3	203.9	180.6	146.5	105.2
52.5°	452.3	415.8	375.2	334.7	301.8	274.8	245.9	219.4	194.8	164.3	117.1
50°	509.0	456.1	413.3	369.5	327.0	295.4	264.4	235.6	208.9	180.4	128.3
47.5°	574.5	507.6	451.2	403.4	357.5	315.6	282.8	251.0	222.9	193.0	138.0
45°	705.2	566.1	495.3	438.5	386.3	340.0	301.1	265.4	235.7	198.5	146.2
42.5°	854.6	675.4	547.3	473.0	417.4	364.5	318.9	281.2	247.5	202.0	150.7
40°	1214.0	811.9	617.2	519.1	448.6	387.3	339.1	296.8	257.4	204.2	152.5
37.5°	1583.3	1065.2	740.3	563.8	481.7	415.2	358.2	311.9	261.8	206.4	153.0
35°	1957.9	1396.2	860.8	644.6	521.5	442.3	375.6	327.0	271.4	208.5	152.2
32.5°	2313.6	1715.9	1137.4	751.6	559.7	468.4	396.1	342.0	283.6	210.6	150.2
30°	2618.6	2026.5	1411.3	853.7	612.9	500.8	418.8	356.2	298.1	212.6	148.0
27.5°	2896.2	2316.5	1668.9	1051.6	701.1	532.0	440.2	369.5	314.8	217.9	148.4
25°	3151.5	2563.9	1917.5	1268.7	783.7	561.7	459.6	382.1	328.0	229.1	148.5
22.5°	3377.0	2784.2	2145.0	1466.4	858.3	590.6	480.5	398.2	338.1	241.1	148.1
20°	3579.4	2984.3	2351.6	1649.0	981.0	652.3	503.0	412.5	347.2	253.4	147.3
17.5°	3761.6	3158.3	2525.4	1822.1	1127.5	706.9	523.6	425.1	355.4	265.7	145.9
15°	3939.2	3306.1	2672.9	1975.3	1256.7	754.2	542.1	435.8	362.7	277.8	145.2
12.5°	4088.5	3432.5	2797.3	2107.6	1367.7	794.2	558.3	444.7	368.9	288.4	144.2
10°	4208.4	3536.8	2898.5	2218.4	1460.0	826.8	572.2	451.4	373.6	297.3	141.3
7.5°	4298.8	3618.5	2976.6	2306.8	1533.1	853.6	581.0	455.2	377.5	304.3	136.8
5°	4363.9	3680.0	3033.5	2372.2	1585.8	875.6	586.7	457.2	380.4	309.3	131.0
2.5°	4417.8	3723.2	3069.2	2414.1	1618.0	890.7	589.4	457.5	382.2	311.9	124.3
0°	4444.3	3742.9	3082.8	2431.9	1629.6	898.5	589.1	456.1	382.8	311.7	116.9
-2.5°	4417.8	3723.2	3069.2	2414.1	1618.0	890.7	589.4	457.5	382.2	311.9	124.3
-5°	4363.9	3680.0	3033.5	2372.2	1585.8	875.6	586.7	457.2	380.4	309.3	131.0
-7.5°	4298.8	3618.5	2976.6	2306.8	1533.1	853.6	581.0	455.2	377.5	304.3	136.8
-10°	4208.4	3536.8	2898.5	2218.4	1460.0	826.8	572.2	451.4	373.6	297.3	141.3
-12.5°	4088.5	3432.5	2797.3	2107.6	1367.7	794.2	558.3	444.7	368.9	288.4	144.2
-15°	3939.2	3306.1	2672.9	1975.3	1256.7	754.2	542.1	435.8	362.7	277.8	145.2
-17.5°	3761.6	3158.3	2525.4	1822.1	1127.5	706.9	523.6	425.1	355.4	265.7	145.9
-20°	3579.4	2984.3	2351.6	1649.0	981.0	652.3	503.0	412.5	347.2	253.4	147.3



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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°	3377.0	2784.2	2145.0	1466.4	858.3	590.6	480.5	398.2	338.1	241.1	148.1
-25°	3151.5	2563.9	1917.5	1268.7	783.7	561.7	459.6	382.1	328.0	229.1	148.5
-27.5°	2896.2	2316.5	1668.9	1051.6	701.1	532.0	440.2	369.5	314.8	217.9	148.4
-30°	2618.6	2026.5	1411.3	853.7	612.9	500.8	418.8	356.2	298.1	212.6	148.0
-32.5°	2313.6	1715.9	1137.4	751.6	559.7	468.4	396.1	342.0	283.6	210.6	150.2
-35°	1957.9	1396.2	860.8	644.6	521.5	442.3	375.6	327.0	271.4	208.5	152.2
-37.5°	1583.3	1065.2	740.3	563.8	481.7	415.2	358.2	311.9	261.8	206.4	153.0
-40°	1214.0	811.9	617.2	519.1	448.6	387.3	339.1	296.8	257.4	204.2	152.5
-42.5°	854.6	675.4	547.3	473.0	417.4	364.5	318.9	281.2	247.5	202.0	150.7
-45°	705.2	566.1	495.3	438.5	386.3	340.0	301.1	265.4	235.7	198.5	146.2
-47.5°	574.5	507.6	451.2	403.4	357.5	315.6	282.8	251.0	222.9	193.0	138.0
-50°	509.0	456.1	413.3	369.5	327.0	295.4	264.4	235.6	208.9	180.4	128.3
-52.5°	452.3	415.8	375.2	334.7	301.8	274.8	245.9	219.4	194.8	164.3	117.1
-55°	405.9	373.8	335.8	303.2	276.3	252.4	226.3	203.9	180.6	146.5	105.2
-57.5°	357.9	329.1	299.1	272.5	249.8	228.3	208.4	188.5	162.3	128.7	97.1
-60°	310.2	286.5	262.5	242.4	223.1	205.9	192.1	171.5	143.0	111.7	86.7
-62.5°	263.0	244.6	229.9	213.0	196.8	184.6	174.9	151.1	123.7	97.7	75.2
-65°	220.2	208.9	197.4	181.8	169.9	161.9	152.8	130.8	105.7	83.1	63.6
-67.5°	181.0	171.5	159.3	148.6	144.7	139.1	130.2	109.5	87.4	67.7	52.9
-70°	142.8	133.3	126.9	125.7	122.8	116.4	104.7	87.1	68.4	55.2	41.9
-72.5°	106.4	103.9	104.7	105.2	99.4	90.7	79.1	65.5	54.1	42.5	30.8
-75°	70.3	76.7	81.6	81.6	74.8	65.8	57.9	49.6	39.7	29.7	23.4
-77.5°	51.4	56.3	59.3	58.1	51.8	45.6	39.8	33.6	26.9	22.0	17.3
-80°	33.7	35.5	35.6	33.4	29.2	25.4	24.4	22.5	18.6	14.7	11.1
-82.5°	16.3	16.4	16.5	16.2	16.1	15.5	14.5	13.0	10.1	7.4	6.2
-85°	8.4	8.2	7.7	7.0	6.5	5.8	5.9	5.8	5.3	4.7	4.1
-87.5°	3.1	3.0	2.8	2.6	2.8	2.9	2.9	2.9	2.6	2.4	2.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
85°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
82.5°	5.3	4.5	3.6	2.7	1.8	0.9	0.0
80°	7.5	5.9	4.8	3.6	2.4	1.2	0.0
77.5°	12.6	8.2	5.9	4.5	3.0	1.5	0.0
75°	17.6	11.8	7.3	5.3	3.6	1.8	0.0
72.5°	22.5	15.3	9.7	6.2	4.1	2.1	0.0
70°	27.7	18.7	12.0	7.2	4.7	2.4	0.0
67.5°	36.1	21.9	14.2	8.5	5.3	2.6	0.0
65°	44.0	26.2	16.3	9.9	5.8	2.9	0.0
62.5°	51.4	31.4	18.3	11.1	6.4	3.2	0.0
60°	58.1	36.2	20.1	12.3	6.9	3.4	0.0
57.5°	64.8	40.5	22.9	13.4	7.6	3.7	0.0
55°	70.8	44.3	25.5	14.4	8.2	4.0	0.0
52.5°	76.0	47.7	27.8	15.3	8.9	4.2	0.0
50°	80.3	50.8	29.7	16.1	9.5	4.4	0.0
47.5°	84.4	53.4	31.4	16.9	10.1	4.7	0.0
45°	91.2	55.3	32.6	17.8	10.7	4.9	0.0
42.5°	96.9	56.5	33.5	18.5	11.2	5.1	0.0
40°	101.4	57.2	34.2	19.4	11.7	5.3	0.0
37.5°	104.8	57.2	34.4	20.3	12.2	5.5	0.0
35°	107.1	58.5	34.3	21.2	12.7	5.7	0.0
32.5°	107.5	60.0	33.8	22.1	13.1	5.8	0.0
30°	105.5	60.8	33.0	22.9	13.6	6.0	0.0
27.5°	102.6	60.8	33.8	23.6	13.9	6.1	0.0
25°	98.9	60.1	34.9	24.3	14.3	6.3	0.0
22.5°	94.4	60.1	35.8	24.9	14.6	6.4	0.0
20°	89.2	62.9	36.7	25.4	14.9	6.5	0.0
17.5°	88.3	65.4	37.6	25.9	15.2	6.6	0.0
15°	90.0	67.5	38.4	26.3	15.4	6.7	0.0
12.5°	91.7	69.3	39.1	26.7	15.6	6.7	0.0
10°	93.0	70.8	39.7	27.0	15.7	6.8	0.0
7.5°	94.2	71.9	40.2	27.2	15.8	6.8	0.0
5°	95.2	72.7	40.7	27.4	15.9	6.9	0.0
2.5°	95.9	73.1	41.0	27.5	16.0	6.9	0.0
0°	96.3	73.3	41.3	27.5	16.0	6.9	0.0
-2.5°	95.9	73.1	41.0	27.5	16.0	6.9	0.0
-5°	95.2	72.7	40.7	27.4	15.9	6.9	0.0
-7.5°	94.2	71.9	40.2	27.2	15.8	6.8	0.0
-10°	93.0	70.8	39.7	27.0	15.7	6.8	0.0
-12.5°	91.7	69.3	39.1	26.7	15.6	6.7	0.0
-15°	90.0	67.5	38.4	26.3	15.4	6.7	0.0
-17.5°	88.3	65.4	37.6	25.9	15.2	6.6	0.0
-20°	89.2	62.9	36.7	25.4	14.9	6.5	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	94.4	60.1	35.8	24.9	14.6	6.4	0.0
-25°	98.9	60.1	34.9	24.3	14.3	6.3	0.0
-27.5°	102.6	60.8	33.8	23.6	13.9	6.1	0.0
-30°	105.5	60.8	33.0	22.9	13.6	6.0	0.0
-32.5°	107.5	60.0	33.8	22.1	13.1	5.8	0.0
-35°	107.1	58.5	34.3	21.2	12.7	5.7	0.0
-37.5°	104.8	57.2	34.4	20.3	12.2	5.5	0.0
-40°	101.4	57.2	34.2	19.4	11.7	5.3	0.0
-42.5°	96.9	56.5	33.5	18.5	11.2	5.1	0.0
-45°	91.2	55.3	32.6	17.8	10.7	4.9	0.0
-47.5°	84.4	53.4	31.4	16.9	10.1	4.7	0.0
-50°	80.3	50.8	29.7	16.1	9.5	4.4	0.0
-52.5°	76.0	47.7	27.8	15.3	8.9	4.2	0.0
-55°	70.8	44.3	25.5	14.4	8.2	4.0	0.0
-57.5°	64.8	40.5	22.9	13.4	7.6	3.7	0.0
-60°	58.1	36.2	20.1	12.3	6.9	3.4	0.0
-62.5°	51.4	31.4	18.3	11.1	6.4	3.2	0.0
-65°	44.0	26.2	16.3	9.9	5.8	2.9	0.0
-67.5°	36.1	21.9	14.2	8.5	5.3	2.6	0.0
-70°	27.7	18.7	12.0	7.2	4.7	2.4	0.0
-72.5°	22.5	15.3	9.7	6.2	4.1	2.1	0.0
-75°	17.6	11.8	7.3	5.3	3.6	1.8	0.0
-77.5°	12.6	8.2	5.9	4.5	3.0	1.5	0.0
-80°	7.5	5.9	4.8	3.6	2.4	1.2	0.0
-82.5°	5.3	4.5	3.6	2.7	1.8	0.9	0.0
-85°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-87.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)