

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: P559128 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-940-U-TS-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559128 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/20/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GFLD-SA5E-940-U-TS-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, TIGHT SPOT N2
Light Source: (80) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

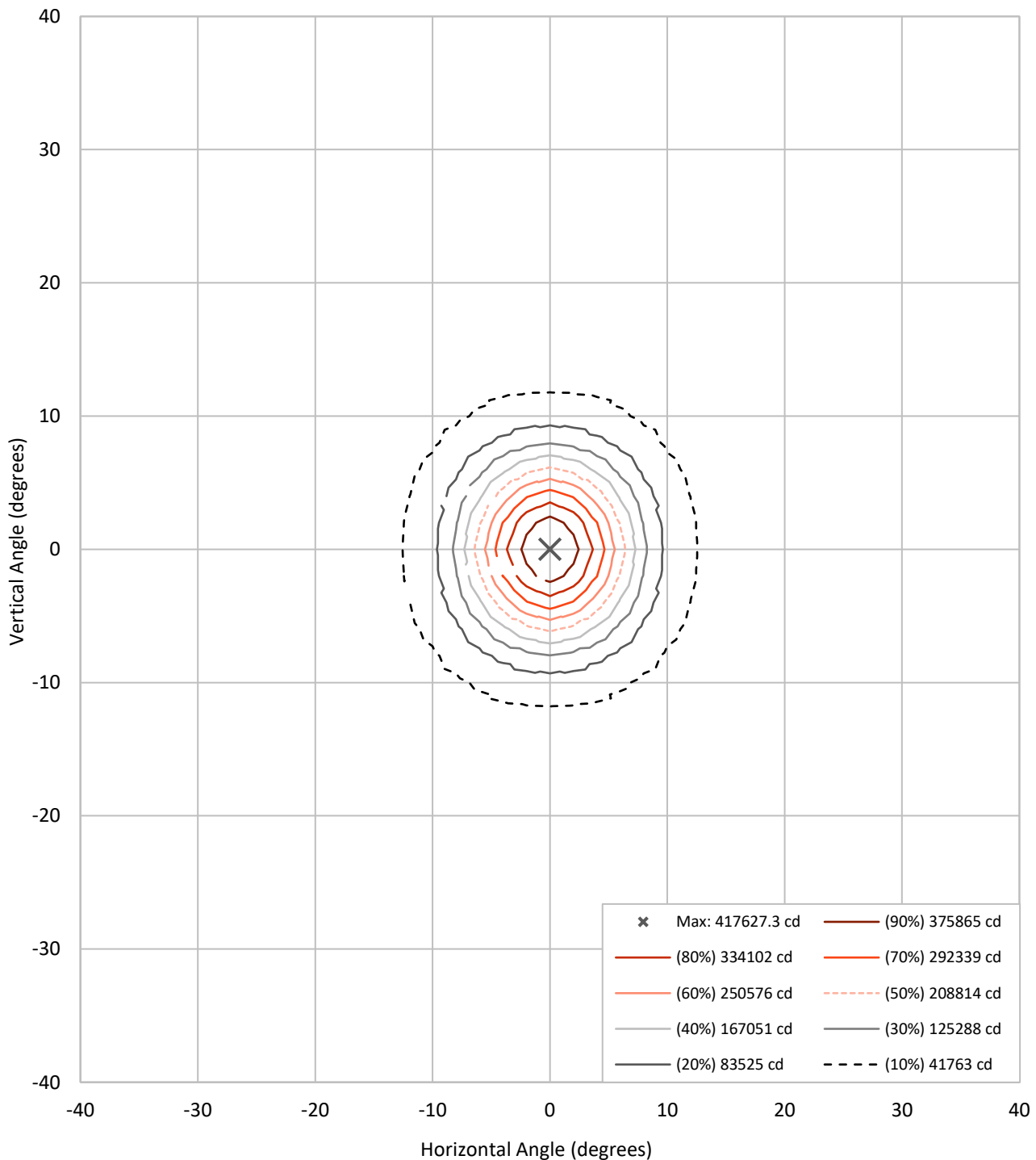
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	30272.5 lumens	Max Intensity:	417627.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	98.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	12.7°H x 12.3°V	Field Angle (10%):	24.6°H x 23.6°V
Beam Lumens:	9565.6 lumens	Field Lumens:	21191.1 lumens
Beam Efficiency:	31.6%	Field Efficiency:	70.0%

Input Watts (W): 307
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Candela Plot





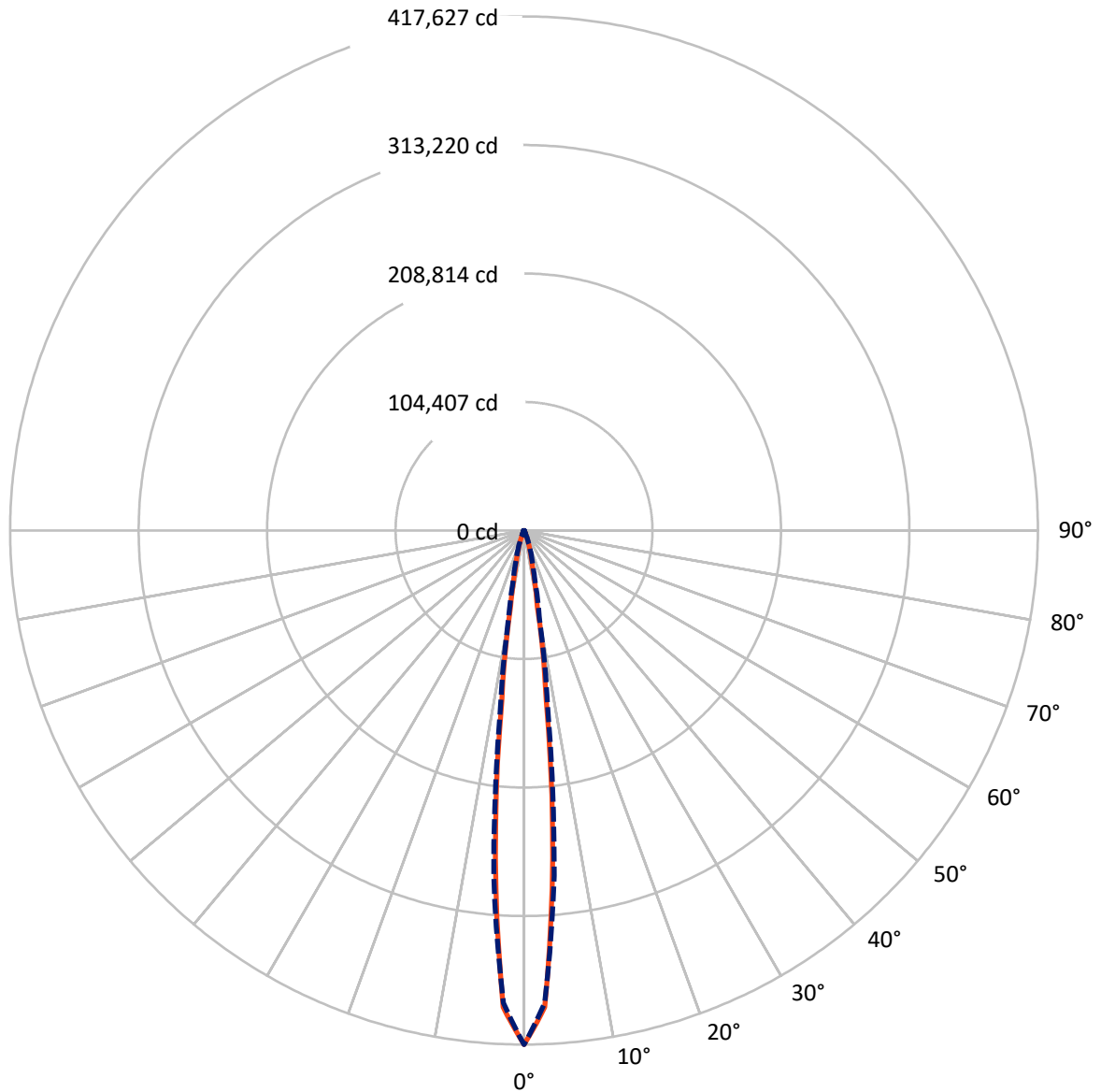
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Lumen Table

90	0.4		3.5		9.7		15.7		18.1		15.7		9.7		3.5		0.4		
80	0.4		3.5		9.7		15.7		18.1		15.7		9.7		3.5		0.4		
70	1.6	1.8	4.0	6.5	8.9	10.9	12.4	13.2	13.2	12.4	10.9	8.9	6.5	4.0	1.8	1.6			
60		2.9	5.8	8.8	11.5	13.5	14.9	15.4	15.4	14.9	13.5	11.5	8.8	5.8	2.9				
50	2.9	3.8	7.2	10.3	12.9	15.1	16.9	17.7	17.7	16.9	15.1	12.9	10.3	7.2	3.8	2.9			
40		4.5	8.0	11.2	14.3	18.4	23.1	26.0	26.0	23.1	18.4	14.3	11.2	8.0	4.5				
30	3.9	5.0	8.5	11.9	16.8	26.1	58.1	105.6	105.6	58.1	26.1	16.8	11.9	8.5	5.0	3.9			
20		5.3	8.8	12.5	20.0	56.2	317.4	698.3	698.3	317.4	56.2	20.0	12.5	8.8	5.3				
10	4.2	5.4	8.8	12.9	22.1	107.9	762.0	4929.5	4929.5	762.0	107.9	22.1	12.9	8.8	5.4	4.2			
0		5.4	8.8	12.9	22.1	107.9	762.0	4929.5	4929.5	762.0	107.9	22.1	12.9	8.8	5.4				
-10	3.9	5.3	8.8	12.5	20.0	56.2	317.4	698.3	698.3	317.4	56.2	20.0	12.5	8.8	5.3	3.9			
-20		5.0	8.5	11.9	16.8	26.1	58.1	105.6	105.6	58.1	26.1	16.8	11.9	8.5	5.0				
-30	2.9	4.5	8.0	11.2	14.3	18.4	23.1	26.0	26.0	23.1	18.4	14.3	11.2	8.0	4.5	2.9			
-40		3.8	7.2	10.3	12.9	15.1	16.9	17.7	17.7	16.9	15.1	12.9	10.3	7.2	3.8				
-50	1.6	2.9	5.8	8.8	11.5	13.5	14.9	15.4	15.4	14.9	13.5	11.5	8.8	5.8	2.9	1.6			
-60		1.8	4.0	6.5	8.9	10.9	12.4	13.2	13.2	12.4	10.9	8.9	6.5	4.0	1.8				
-70	0.4		3.5		9.7		15.7		18.1		15.7		9.7		3.5		0.4		
-80	0.4		3.5		9.7		15.7		18.1		15.7		9.7		3.5		0.4		
-90	0.4		3.5		9.7		15.7		18.1		15.7		9.7		3.5		0.4		
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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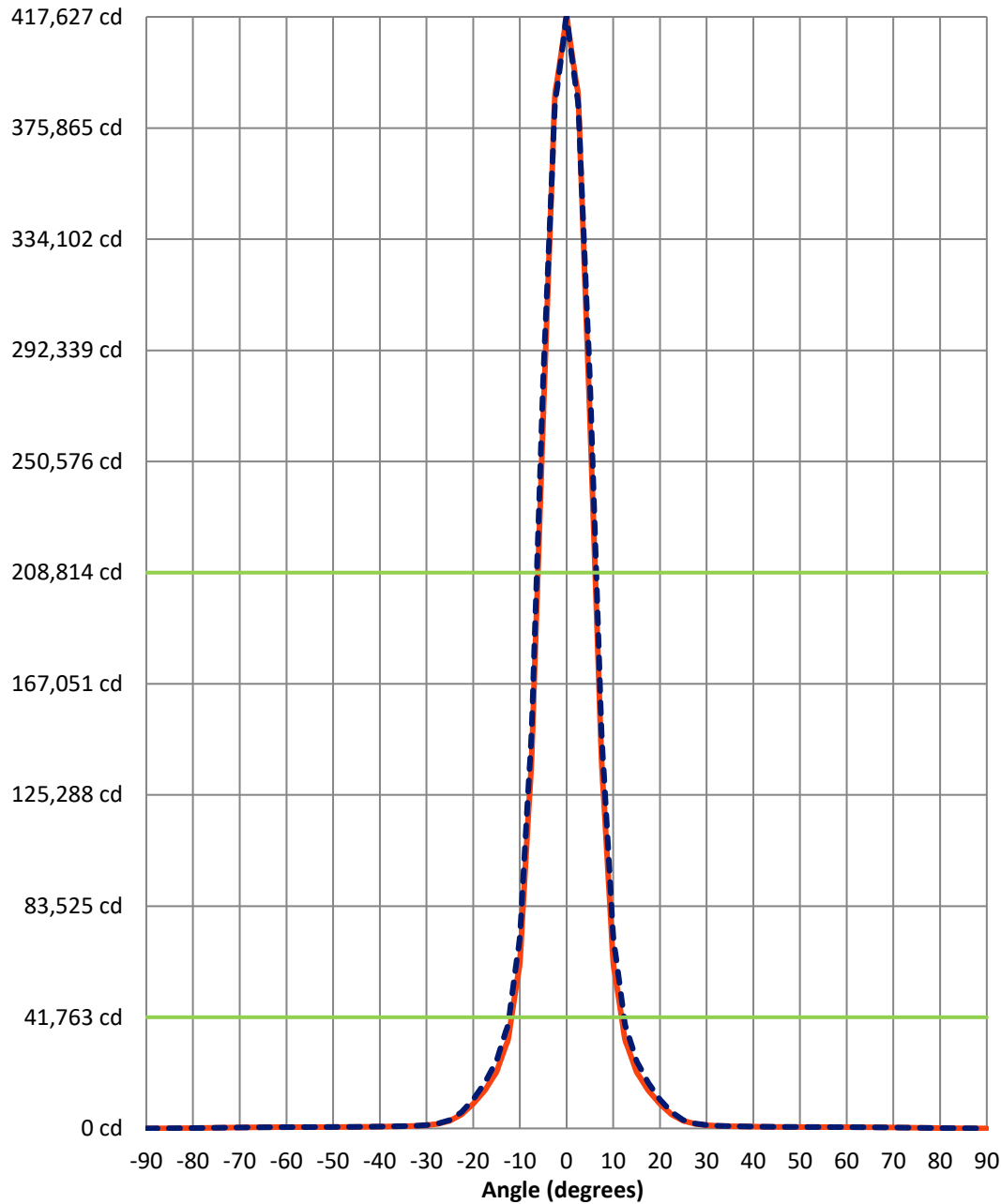
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 12.7°
 V Angle: 12.3°
 Lumens: 9565.6
 Efficiency: 31.6%

Field:
 H Angle: 24.6°
 V Angle: 23.6°
 Lumens: 21191.1
 Efficiency: 70.0%

Spill:
 Lumens: 9081.3
 Efficiency: 30.0%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	1.0	2.0	2.8	3.7	4.4	5.1	5.9	6.7	7.5	8.3
85°	0.0	2.0	3.9	5.7	7.3	8.8	10.2	11.8	13.5	15.1	16.6
82.5°	0.0	2.9	5.9	8.5	11.0	13.2	15.3	17.7	20.4	24.1	27.9
80°	0.0	3.9	7.8	11.3	14.6	17.6	20.6	25.4	30.3	35.5	40.8
77.5°	0.0	4.9	9.7	14.1	18.2	22.6	27.8	33.8	40.2	46.8	53.8
75°	0.0	5.8	11.6	16.9	22.0	28.5	34.9	42.2	50.1	59.2	67.7
72.5°	0.0	6.8	13.5	19.7	26.8	34.4	42.0	51.0	61.7	71.9	81.6
70°	0.0	7.7	15.4	22.6	31.4	40.2	49.2	61.3	73.2	84.7	100.5
67.5°	0.0	8.6	17.2	26.0	36.0	46.0	58.0	71.4	84.7	102.1	120.3
65°	0.0	9.5	19.0	29.4	40.6	52.3	66.7	81.4	99.5	119.1	140.0
62.5°	0.0	10.4	20.8	32.8	45.0	59.3	75.1	93.0	113.9	136.0	160.3
60°	0.0	11.2	22.5	36.0	49.4	66.1	83.4	105.0	127.9	154.0	180.3
57.5°	0.0	12.1	24.6	39.2	54.5	72.7	93.2	116.7	143.1	171.6	200.4
55°	0.0	12.9	26.6	42.3	59.6	79.1	103.0	128.1	158.3	188.9	220.5
52.5°	0.0	13.7	28.6	45.4	64.5	85.6	112.5	140.9	173.0	206.4	239.9
50°	0.0	14.5	30.5	48.3	69.3	93.2	121.7	153.6	187.5	223.4	259.2
47.5°	0.0	15.2	32.3	51.2	73.8	100.6	130.8	165.7	202.1	239.7	278.0
45°	0.0	15.9	34.1	54.5	78.2	107.8	140.7	177.3	216.2	256.2	296.3
42.5°	0.0	16.6	35.8	57.6	82.3	114.6	150.1	188.8	229.8	272.0	312.0
40°	0.0	17.2	37.4	60.5	86.9	121.1	159.1	200.1	242.9	287.3	326.6
37.5°	0.0	17.8	39.0	63.2	91.8	127.3	167.6	210.9	255.7	301.1	340.5
35°	0.0	18.4	40.4	65.8	96.5	133.7	175.6	221.0	267.6	312.6	353.2
32.5°	0.0	19.0	41.8	68.1	100.9	139.9	183.2	230.5	278.8	323.5	363.9
30°	0.0	19.5	43.1	70.3	105.0	145.7	190.8	239.5	289.1	333.7	374.0
27.5°	0.0	20.0	44.2	72.3	108.7	151.0	197.9	247.9	298.2	343.1	383.3
25°	0.0	20.4	45.3	74.1	112.1	155.9	204.3	255.5	305.8	351.0	391.8
22.5°	0.0	20.8	46.3	75.7	115.3	160.4	210.2	262.4	312.7	357.9	398.2
20°	0.0	21.1	47.2	77.1	118.1	164.4	215.5	268.5	318.8	364.1	404.0
17.5°	0.0	21.5	48.0	78.3	120.7	168.0	220.2	273.8	324.2	369.5	409.2
15°	0.0	21.7	48.7	79.3	122.9	171.1	224.4	278.4	328.9	374.1	413.8
12.5°	0.0	22.0	49.3	80.1	124.8	173.8	228.0	282.3	332.7	378.0	417.6
10°	0.0	22.2	49.7	80.8	126.4	176.0	231.0	285.3	335.8	381.0	420.7
7.5°	0.0	22.3	50.1	81.2	127.7	177.7	233.2	287.5	338.1	383.3	422.9
5°	0.0	22.4	50.4	81.5	128.6	178.9	234.9	289.0	339.6	384.7	424.2
2.5°	0.0	22.5	50.5	81.6	129.1	179.7	235.9	289.7	340.3	385.4	424.8
0°	0.0	22.5	50.6	81.5	129.3	179.9	236.2	289.6	340.2	385.2	424.5
-2.5°	0.0	22.5	50.5	81.6	129.1	179.7	235.9	289.7	340.3	385.4	424.8
-5°	0.0	22.4	50.4	81.5	128.6	178.9	234.9	289.0	339.6	384.7	424.2
-7.5°	0.0	22.3	50.1	81.2	127.7	177.7	233.2	287.5	338.1	383.3	422.9
-10°	0.0	22.2	49.7	80.8	126.4	176.0	231.0	285.3	335.8	381.0	420.7
-12.5°	0.0	22.0	49.3	80.1	124.8	173.8	228.0	282.3	332.7	378.0	417.6
-15°	0.0	21.7	48.7	79.3	122.9	171.1	224.4	278.4	328.9	374.1	413.8
-17.5°	0.0	21.5	48.0	78.3	120.7	168.0	220.2	273.8	324.2	369.5	409.2
-20°	0.0	21.1	47.2	77.1	118.1	164.4	215.5	268.5	318.8	364.1	404.0



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	20.8	46.3	75.7	115.3	160.4	210.2	262.4	312.7	357.9	398.2
-25°	0.0	20.4	45.3	74.1	112.1	155.9	204.3	255.5	305.8	351.0	391.8
-27.5°	0.0	20.0	44.2	72.3	108.7	151.0	197.9	247.9	298.2	343.1	383.3
-30°	0.0	19.5	43.1	70.3	105.0	145.7	190.8	239.5	289.1	333.7	374.0
-32.5°	0.0	19.0	41.8	68.1	100.9	139.9	183.2	230.5	278.8	323.5	363.9
-35°	0.0	18.4	40.4	65.8	96.5	133.7	175.6	221.0	267.6	312.6	353.2
-37.5°	0.0	17.8	39.0	63.2	91.8	127.3	167.6	210.9	255.7	301.1	340.5
-40°	0.0	17.2	37.4	60.5	86.9	121.1	159.1	200.1	242.9	287.3	326.6
-42.5°	0.0	16.6	35.8	57.6	82.3	114.6	150.1	188.8	229.8	272.0	312.0
-45°	0.0	15.9	34.1	54.5	78.2	107.8	140.7	177.3	216.2	256.2	296.3
-47.5°	0.0	15.2	32.3	51.2	73.8	100.6	130.8	165.7	202.1	239.7	278.0
-50°	0.0	14.5	30.5	48.3	69.3	93.2	121.7	153.6	187.5	223.4	259.2
-52.5°	0.0	13.7	28.6	45.4	64.5	85.6	112.5	140.9	173.0	206.4	239.9
-55°	0.0	12.9	26.6	42.3	59.6	79.1	103.0	128.1	158.3	188.9	220.5
-57.5°	0.0	12.1	24.6	39.2	54.5	72.7	93.2	116.7	143.1	171.6	200.4
-60°	0.0	11.2	22.5	36.0	49.4	66.1	83.4	105.0	127.9	154.0	180.3
-62.5°	0.0	10.4	20.8	32.8	45.0	59.3	75.1	93.0	113.9	136.0	160.3
-65°	0.0	9.5	19.0	29.4	40.6	52.3	66.7	81.4	99.5	119.1	140.0
-67.5°	0.0	8.6	17.2	26.0	36.0	46.0	58.0	71.4	84.7	102.1	120.3
-70°	0.0	7.7	15.4	22.6	31.4	40.2	49.2	61.3	73.2	84.7	100.5
-72.5°	0.0	6.8	13.5	19.7	26.8	34.4	42.0	51.0	61.7	71.9	81.6
-75°	0.0	5.8	11.6	16.9	22.0	28.5	34.9	42.2	50.1	59.2	67.7
-77.5°	0.0	4.9	9.7	14.1	18.2	22.6	27.8	33.8	40.2	46.8	53.8
-80°	0.0	3.9	7.8	11.3	14.6	17.6	20.6	25.4	30.3	35.5	40.8
-82.5°	0.0	2.9	5.9	8.5	11.0	13.2	15.3	17.7	20.4	24.1	27.9
-85°	0.0	2.0	3.9	5.7	7.3	8.8	10.2	11.8	13.5	15.1	16.6
-87.5°	0.0	1.0	2.0	2.8	3.7	4.4	5.1	5.9	6.7	7.5	8.3
-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):

	-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°	9.1	9.8	10.6	11.3	12.0	12.7	13.3	13.9	14.5	15.1	15.6
85°	18.2	19.7	21.7	23.4	25.0	26.5	27.8	29.0	30.7	32.4	34.1
82.5°	31.0	33.7	36.0	37.9	40.0	41.9	44.0	47.2	51.5	55.6	59.4
80°	44.6	47.8	52.2	57.2	62.4	67.5	72.3	76.9	81.9	87.4	93.1
77.5°	59.9	66.3	73.3	80.9	88.1	96.5	105.0	113.6	121.5	128.3	134.4
75°	75.8	84.5	96.2	107.9	119.0	130.0	141.2	152.0	161.5	170.3	179.1
72.5°	94.5	108.7	122.5	136.1	150.4	164.1	177.0	189.2	201.3	213.3	224.7
70°	116.8	132.9	149.6	166.6	183.2	198.4	213.5	228.7	243.7	257.2	269.3
67.5°	139.0	158.2	177.5	196.7	214.8	232.3	250.0	267.5	284.2	298.5	311.1
65°	161.9	183.4	204.9	225.6	245.4	265.8	285.8	305.2	320.9	334.0	346.6
62.5°	184.2	208.5	231.9	254.6	277.0	299.3	318.6	335.9	352.2	366.4	380.0
60°	207.1	233.4	258.8	283.8	307.5	327.9	347.5	364.9	381.3	396.9	408.5
57.5°	229.6	258.0	285.5	311.2	333.8	354.9	373.8	392.2	406.3	418.8	431.4
55°	251.7	282.1	310.5	335.8	358.8	379.0	398.1	413.4	427.5	439.3	451.7
52.5°	273.3	305.2	333.2	358.8	381.0	400.9	417.7	432.9	446.1	458.2	468.3
50°	294.5	325.7	354.8	379.0	401.1	419.8	435.6	450.2	463.0	474.1	483.2
47.5°	313.4	345.6	373.1	397.9	418.8	436.6	451.9	465.8	478.5	488.2	497.2
45°	331.0	362.7	390.7	414.3	434.8	451.5	466.3	480.7	491.2	500.8	507.8
42.5°	347.9	378.6	405.9	430.3	448.3	464.5	479.6	491.9	502.8	511.3	518.8
40°	362.2	393.9	420.0	442.2	460.7	476.1	489.9	502.4	513.1	521.4	529.6
37.5°	375.7	406.3	432.8	453.4	470.7	486.0	499.7	511.4	521.9	530.7	541.7
35°	388.7	418.2	442.7	462.8	479.7	494.7	507.8	519.8	530.2	542.2	555.0
32.5°	399.7	429.3	452.1	470.5	487.1	502.4	515.5	527.6	539.7	553.3	569.0
30°	409.1	437.6	460.2	477.4	493.9	508.4	522.6	535.6	548.8	565.1	585.6
27.5°	417.6	445.1	466.0	483.4	500.0	513.6	528.4	543.2	558.6	577.6	603.6
25°	425.6	452.0	471.2	488.8	504.3	518.5	533.8	548.9	568.2	593.4	627.3
22.5°	432.1	458.4	475.8	493.7	508.0	522.9	538.6	555.5	577.3	607.8	652.2
20°	437.2	462.2	479.7	497.4	510.9	526.9	542.8	561.2	587.3	627.0	678.4
17.5°	441.9	465.4	482.9	499.6	513.9	530.2	546.5	565.8	595.5	645.0	702.5
15°	446.1	468.1	485.5	501.4	516.4	532.7	549.9	571.9	606.5	662.4	724.4
12.5°	449.7	470.3	487.5	502.8	518.5	534.4	552.7	577.1	618.2	678.5	745.9
10°	452.7	471.9	488.9	503.8	519.9	535.4	555.0	580.6	626.5	687.6	758.8
7.5°	454.5	473.2	489.9	504.3	520.8	535.7	556.6	582.3	631.7	692.5	765.7
5°	455.5	474.2	491.1	505.2	521.8	536.4	557.9	582.6	633.8	693.4	768.3
2.5°	455.9	474.9	491.8	505.9	522.6	538.3	560.6	585.6	635.7	696.8	770.1
0°	455.5	475.1	492.0	506.1	522.9	539.8	562.3	587.6	635.4	700.1	770.3
-2.5°	455.9	474.9	491.8	505.9	522.6	538.3	560.6	585.6	635.7	696.8	770.1
-5°	455.5	474.2	491.1	505.2	521.8	536.4	557.9	582.6	633.8	693.4	768.3
-7.5°	454.5	473.2	489.9	504.3	520.8	535.7	556.6	582.3	631.7	692.5	765.7
-10°	452.7	471.9	488.9	503.8	519.9	535.4	555.0	580.6	626.5	687.6	758.8
-12.5°	449.7	470.3	487.5	502.8	518.5	534.4	552.7	577.1	618.2	678.5	745.9
-15°	446.1	468.1	485.5	501.4	516.4	532.7	549.9	571.9	606.5	662.4	724.4
-17.5°	441.9	465.4	482.9	499.6	513.9	530.2	546.5	565.8	595.5	645.0	702.5
-20°	437.2	462.2	479.7	497.4	510.9	526.9	542.8	561.2	587.3	627.0	678.4



REPORT NUMBER: P559128 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-940-U-TS-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	432.1	458.4	475.8	493.7	508.0	522.9	538.6	555.5	577.3	607.8	652.2
-25°	425.6	452.0	471.2	488.8	504.3	518.5	533.8	548.9	568.2	593.4	627.3
-27.5°	417.6	445.1	466.0	483.4	500.0	513.6	528.4	543.2	558.6	577.6	603.6
-30°	409.1	437.6	460.2	477.4	493.9	508.4	522.6	535.6	548.8	565.1	585.6
-32.5°	399.7	429.3	452.1	470.5	487.1	502.4	515.5	527.6	539.7	553.3	569.0
-35°	388.7	418.2	442.7	462.8	479.7	494.7	507.8	519.8	530.2	542.2	555.0
-37.5°	375.7	406.3	432.8	453.4	470.7	486.0	499.7	511.4	521.9	530.7	541.7
-40°	362.2	393.9	420.0	442.2	460.7	476.1	489.9	502.4	513.1	521.4	529.6
-42.5°	347.9	378.6	405.9	430.3	448.3	464.5	479.6	491.9	502.8	511.3	518.8
-45°	331.0	362.7	390.7	414.3	434.8	451.5	466.3	480.7	491.2	500.8	507.8
-47.5°	313.4	345.6	373.1	397.9	418.8	436.6	451.9	465.8	478.5	488.2	497.2
-50°	294.5	325.7	354.8	379.0	401.1	419.8	435.6	450.2	463.0	474.1	483.2
-52.5°	273.3	305.2	333.2	358.8	381.0	400.9	417.7	432.9	446.1	458.2	468.3
-55°	251.7	282.1	310.5	335.8	358.8	379.0	398.1	413.4	427.5	439.3	451.7
-57.5°	229.6	258.0	285.5	311.2	333.8	354.9	373.8	392.2	406.3	418.8	431.4
-60°	207.1	233.4	258.8	283.8	307.5	327.9	347.5	364.9	381.3	396.9	408.5
-62.5°	184.2	208.5	231.9	254.6	277.0	299.3	318.6	335.9	352.2	366.4	380.0
-65°	161.9	183.4	204.9	225.6	245.4	265.8	285.8	305.2	320.9	334.0	346.6
-67.5°	139.0	158.2	177.5	196.7	214.8	232.3	250.0	267.5	284.2	298.5	311.1
-70°	116.8	132.9	149.6	166.6	183.2	198.4	213.5	228.7	243.7	257.2	269.3
-72.5°	94.5	108.7	122.5	136.1	150.4	164.1	177.0	189.2	201.3	213.3	224.7
-75°	75.8	84.5	96.2	107.9	119.0	130.0	141.2	152.0	161.5	170.3	179.1
-77.5°	59.9	66.3	73.3	80.9	88.1	96.5	105.0	113.6	121.5	128.3	134.4
-80°	44.6	47.8	52.2	57.2	62.4	67.5	72.3	76.9	81.9	87.4	93.1
-82.5°	31.0	33.7	36.0	37.9	40.0	41.9	44.0	47.2	51.5	55.6	59.4
-85°	18.2	19.7	21.7	23.4	25.0	26.5	27.8	29.0	30.7	32.4	34.1
-87.5°	9.1	9.8	10.6	11.3	12.0	12.7	13.3	13.9	14.5	15.1	15.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559128 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-940-U-TS-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°	16.1	16.0	15.9	15.6	15.3	15.6	15.9	16.1	16.3	16.5	16.6
85°	35.8	37.3	38.8	40.4	42.0	43.1	44.1	44.9	45.7	46.3	46.9
82.5°	62.9	66.1	69.0	71.6	74.0	75.9	77.7	79.2	80.5	81.7	82.6
80°	98.1	103.0	107.6	111.9	115.8	119.0	121.6	123.8	125.6	127.5	129.2
77.5°	140.3	147.1	153.6	159.4	164.6	168.9	172.7	176.0	178.8	182.2	185.3
75°	187.9	196.1	203.5	210.4	216.6	222.2	227.2	231.5	235.2	238.9	242.0
72.5°	235.5	245.4	254.0	261.3	267.9	274.3	280.6	286.5	291.9	295.9	298.8
70°	280.4	290.5	299.7	308.0	315.8	323.8	331.9	339.4	346.3	350.7	353.3
67.5°	321.6	331.9	342.3	352.6	361.9	370.2	378.4	385.8	392.5	397.1	399.9
65°	358.7	370.1	381.4	391.9	401.7	408.8	416.2	423.3	429.9	435.2	439.0
62.5°	393.4	404.6	414.2	423.2	431.5	438.6	445.9	452.4	458.0	463.0	467.7
60°	420.0	431.5	440.8	449.0	456.8	463.9	469.6	474.4	478.3	481.4	484.4
57.5°	442.8	453.7	463.1	470.0	476.8	483.6	488.5	491.6	493.9	495.6	496.8
55°	462.5	471.2	479.0	486.6	493.4	499.3	503.6	505.6	506.9	507.5	508.2
52.5°	478.2	486.7	494.8	501.9	507.3	512.2	516.5	517.7	518.3	518.6	518.7
50°	492.6	500.9	507.3	513.4	518.8	523.4	527.0	528.7	529.7	529.9	529.4
47.5°	504.2	511.4	518.5	524.7	530.2	535.4	539.6	541.9	543.8	544.5	544.4
45°	514.4	522.9	530.4	537.6	544.0	550.8	556.6	560.5	564.4	567.1	568.5
42.5°	526.6	535.0	543.3	553.2	562.6	571.3	580.9	589.3	598.0	607.4	613.7
40°	538.9	547.9	560.7	572.8	586.3	598.6	618.8	638.9	654.1	667.1	678.8
37.5°	552.8	566.1	581.4	597.0	619.3	642.2	667.6	692.4	714.1	733.6	749.5
35°	568.9	586.8	605.6	633.3	661.6	689.9	720.2	753.3	781.4	801.9	816.7
32.5°	588.7	611.1	641.3	676.7	711.4	748.1	784.8	821.7	849.3	877.9	906.7
30°	610.6	642.9	681.8	725.0	768.2	812.2	858.2	909.4	958.0	1010.3	1085.2
27.5°	638.5	677.9	723.6	774.6	826.8	879.1	959.3	1047.1	1177.6	1281.7	1458.6
25°	668.3	714.4	768.9	828.1	891.8	985.5	1132.2	1305.6	1612.9	1851.3	2212.8
22.5°	701.5	755.8	816.0	884.0	986.7	1163.5	1414.5	1859.8	2479.4	3091.4	3772.0
20°	734.3	794.4	860.4	963.1	1137.6	1417.3	1960.8	2923.6	3999.0	5530.1	6815.2
17.5°	765.4	829.2	912.9	1051.9	1313.1	1875.5	2928.3	4577.5	6823.5	9291.6	11349.7
15°	792.6	857.9	970.6	1190.8	1632.1	2508.1	4097.7	6904.5	10678.3	14057.4	17071.4
12.5°	815.7	892.9	1033.1	1302.9	1909.0	3205.8	5755.6	9741.3	14349.6	19088.7	22903.0
10°	832.4	930.2	1116.7	1510.3	2349.1	4036.1	7137.4	12165.0	17713.8	23473.7	30368.9
7.5°	842.5	956.8	1180.0	1664.4	2741.5	4960.6	8870.8	14329.0	20701.0	28564.0	39098.8
5°	849.8	974.8	1227.0	1780.3	3003.8	5571.7	9965.3	15968.6	23278.4	34647.8	56329.3
2.5°	853.3	982.7	1253.6	1843.9	3123.3	5886.0	10735.5	16907.4	24846.6	38939.7	68265.6
0°	851.9	978.4	1256.7	1858.4	3140.4	6126.2	10863.6	17175.4	25376.5	39324.3	72092.2
-2.5°	853.3	982.7	1253.6	1843.9	3123.3	5886.0	10735.5	16907.4	24846.6	38939.7	68265.6
-5°	849.8	974.8	1227.0	1780.3	3003.8	5571.7	9965.3	15968.6	23278.4	34647.8	56329.3
-7.5°	842.5	956.8	1180.0	1664.4	2741.5	4960.6	8870.8	14329.0	20701.0	28564.0	39098.8
-10°	832.4	930.2	1116.7	1510.3	2349.1	4036.1	7137.4	12165.0	17713.8	23473.7	30368.9
-12.5°	815.7	892.9	1033.1	1302.9	1909.0	3205.8	5755.6	9741.3	14349.6	19088.7	22903.0
-15°	792.6	857.9	970.6	1190.8	1632.1	2508.1	4097.7	6904.5	10678.3	14057.4	17071.4
-17.5°	765.4	829.2	912.9	1051.9	1313.1	1875.5	2928.3	4577.5	6823.5	9291.6	11349.7
-20°	734.3	794.4	860.4	963.1	1137.6	1417.3	1960.8	2923.6	3999.0	5530.1	6815.2



REPORT NUMBER: P559128 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-940-U-TS-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	701.5	755.8	816.0	884.0	986.7	1163.5	1414.5	1859.8	2479.4	3091.4	3772.0
-25°	668.3	714.4	768.9	828.1	891.8	985.5	1132.2	1305.6	1612.9	1851.3	2212.8
-27.5°	638.5	677.9	723.6	774.6	826.8	879.1	959.3	1047.1	1177.6	1281.7	1458.6
-30°	610.6	642.9	681.8	725.0	768.2	812.2	858.2	909.4	958.0	1010.3	1085.2
-32.5°	588.7	611.1	641.3	676.7	711.4	748.1	784.8	821.7	849.3	877.9	906.7
-35°	568.9	586.8	605.6	633.3	661.6	689.9	720.2	753.3	781.4	801.9	816.7
-37.5°	552.8	566.1	581.4	597.0	619.3	642.2	667.6	692.4	714.1	733.6	749.5
-40°	538.9	547.9	560.7	572.8	586.3	598.6	618.8	638.9	654.1	667.1	678.8
-42.5°	526.6	535.0	543.3	553.2	562.6	571.3	580.9	589.3	598.0	607.4	613.7
-45°	514.4	522.9	530.4	537.6	544.0	550.8	556.6	560.5	564.4	567.1	568.5
-47.5°	504.2	511.4	518.5	524.7	530.2	535.4	539.6	541.9	543.8	544.5	544.4
-50°	492.6	500.9	507.3	513.4	518.8	523.4	527.0	528.7	529.7	529.9	529.4
-52.5°	478.2	486.7	494.8	501.9	507.3	512.2	516.5	517.7	518.3	518.6	518.7
-55°	462.5	471.2	479.0	486.6	493.4	499.3	503.6	505.6	506.9	507.5	508.2
-57.5°	442.8	453.7	463.1	470.0	476.8	483.6	488.5	491.6	493.9	495.6	496.8
-60°	420.0	431.5	440.8	449.0	456.8	463.9	469.6	474.4	478.3	481.4	484.4
-62.5°	393.4	404.6	414.2	423.2	431.5	438.6	445.9	452.4	458.0	463.0	467.7
-65°	358.7	370.1	381.4	391.9	401.7	408.8	416.2	423.3	429.9	435.2	439.0
-67.5°	321.6	331.9	342.3	352.6	361.9	370.2	378.4	385.8	392.5	397.1	399.9
-70°	280.4	290.5	299.7	308.0	315.8	323.8	331.9	339.4	346.3	350.7	353.3
-72.5°	235.5	245.4	254.0	261.3	267.9	274.3	280.6	286.5	291.9	295.9	298.8
-75°	187.9	196.1	203.5	210.4	216.6	222.2	227.2	231.5	235.2	238.9	242.0
-77.5°	140.3	147.1	153.6	159.4	164.6	168.9	172.7	176.0	178.8	182.2	185.3
-80°	98.1	103.0	107.6	111.9	115.8	119.0	121.6	123.8	125.6	127.5	129.2
-82.5°	62.9	66.1	69.0	71.6	74.0	75.9	77.7	79.2	80.5	81.7	82.6
-85°	35.8	37.3	38.8	40.4	42.0	43.1	44.1	44.9	45.7	46.3	46.9
-87.5°	16.1	16.0	15.9	15.6	15.3	15.6	15.9	16.1	16.3	16.5	16.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559128 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-940-U-TS-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°	16.8	16.8	16.9	16.9	16.9	16.8	16.8	16.6	16.5	16.3	16.1
85°	47.3	47.6	47.7	47.8	47.7	47.6	47.3	46.9	46.3	45.7	44.9
82.5°	83.4	83.9	84.2	84.3	84.2	83.9	83.4	82.6	81.7	80.5	79.2
80°	130.4	131.4	131.9	132.1	131.9	131.4	130.4	129.2	127.5	125.6	123.8
77.5°	187.9	190.0	190.9	191.2	190.9	190.0	187.9	185.3	182.2	178.8	176.0
75°	244.4	246.1	247.1	247.4	247.1	246.1	244.4	242.0	238.9	235.2	231.5
72.5°	300.9	302.1	304.6	306.5	304.6	302.1	300.9	298.8	295.9	291.9	286.5
70°	354.9	355.6	358.0	359.9	358.0	355.6	354.9	353.3	350.7	346.3	339.4
67.5°	402.0	403.3	403.2	402.0	403.2	403.3	402.0	399.9	397.1	392.5	385.8
65°	442.4	445.2	445.3	444.2	445.3	445.2	442.4	439.0	435.2	429.9	423.3
62.5°	472.1	476.1	477.6	478.0	477.6	476.1	472.1	467.7	463.0	458.0	452.4
60°	486.7	488.4	489.1	489.2	489.1	488.4	486.7	484.4	481.4	478.3	474.4
57.5°	497.4	497.4	497.5	497.6	497.5	497.4	497.4	496.8	495.6	493.9	491.6
55°	508.5	508.5	507.7	506.1	507.7	508.5	508.5	508.2	507.5	506.9	505.6
52.5°	518.3	517.4	516.1	514.5	516.1	517.4	518.3	518.7	518.6	518.3	517.7
50°	528.1	526.3	525.5	525.7	525.5	526.3	528.1	529.4	529.9	529.7	528.7
47.5°	543.9	542.8	542.3	542.6	542.3	542.8	543.9	544.4	544.5	543.8	541.9
45°	568.9	568.0	567.3	567.9	567.3	568.0	568.9	568.5	567.1	564.4	560.5
42.5°	617.2	617.6	617.3	618.5	617.3	617.6	617.2	613.7	607.4	598.0	589.3
40°	683.5	683.2	680.9	680.4	680.9	683.2	683.5	678.8	667.1	654.1	638.9
37.5°	756.0	756.1	753.7	753.5	753.7	756.1	756.0	749.5	733.6	714.1	692.4
35°	824.4	826.9	826.4	823.8	826.4	826.9	824.4	816.7	801.9	781.4	753.3
32.5°	927.0	942.7	951.0	947.5	951.0	942.7	927.0	906.7	877.9	849.3	821.7
30°	1132.2	1172.7	1194.0	1203.3	1194.0	1172.7	1132.2	1085.2	1010.3	958.0	909.4
27.5°	1585.1	1674.5	1714.7	1729.1	1714.7	1674.5	1585.1	1458.6	1281.7	1177.6	1047.1
25°	2528.6	2730.5	2830.0	2862.1	2830.0	2730.5	2528.6	2212.8	1851.3	1612.9	1305.6
22.5°	4521.5	4910.2	5176.1	5235.0	5176.1	4910.2	4521.5	3772.0	3091.4	2479.4	1859.8
20°	8107.2	8859.0	9266.8	9230.1	9266.8	8859.0	8107.2	6815.2	5530.1	3999.0	2923.6
17.5°	13099.2	14063.3	14522.2	14307.7	14522.2	14063.3	13099.2	11349.7	9291.6	6823.5	4577.5
15°	19203.0	20505.4	21073.5	21249.2	21073.5	20505.4	19203.0	17071.4	14057.4	10678.3	6904.5
12.5°	26710.5	30980.3	33022.1	33569.2	33022.1	30980.3	26710.5	22903.0	19088.7	14349.6	9741.3
10°	37421.6	51774.0	60310.9	62395.4	60310.9	51774.0	37421.6	30368.9	23473.7	17713.8	12165.0
7.5°	61112.7	90277.9	122949.6	138420.9	122949.6	90277.9	61112.7	39098.8	28564.0	20701.0	14329.0
5°	93196.6	161750.4	237395.2	267049.4	237395.2	161750.4	93196.6	56329.3	34647.8	23278.4	15968.6
2.5°	132200.2	244230.7	348753.4	387717.2	348753.4	244230.7	132200.2	68265.6	38939.7	24846.6	16907.4
0°	148678.7	281570.8	384250.7	417627.3	384250.7	281570.8	148678.7	72092.2	39324.3	25376.5	17175.4
-2.5°	132200.2	244230.7	348753.4	387717.2	348753.4	244230.7	132200.2	68265.6	38939.7	24846.6	16907.4
-5°	93196.6	161750.4	237395.2	267049.4	237395.2	161750.4	93196.6	56329.3	34647.8	23278.4	15968.6
-7.5°	61112.7	90277.9	122949.6	138420.9	122949.6	90277.9	61112.7	39098.8	28564.0	20701.0	14329.0
-10°	37421.6	51774.0	60310.9	62395.4	60310.9	51774.0	37421.6	30368.9	23473.7	17713.8	12165.0
-12.5°	26710.5	30980.3	33022.1	33569.2	33022.1	30980.3	26710.5	22903.0	19088.7	14349.6	9741.3
-15°	19203.0	20505.4	21073.5	21249.2	21073.5	20505.4	19203.0	17071.4	14057.4	10678.3	6904.5
-17.5°	13099.2	14063.3	14522.2	14307.7	14522.2	14063.3	13099.2	11349.7	9291.6	6823.5	4577.5
-20°	8107.2	8859.0	9266.8	9230.1	9266.8	8859.0	8107.2	6815.2	5530.1	3999.0	2923.6



REPORT NUMBER: P559128 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-940-U-TS-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4521.5	4910.2	5176.1	5235.0	5176.1	4910.2	4521.5	3772.0	3091.4	2479.4	1859.8
-25°	2528.6	2730.5	2830.0	2862.1	2830.0	2730.5	2528.6	2212.8	1851.3	1612.9	1305.6
-27.5°	1585.1	1674.5	1714.7	1729.1	1714.7	1674.5	1585.1	1458.6	1281.7	1177.6	1047.1
-30°	1132.2	1172.7	1194.0	1203.3	1194.0	1172.7	1132.2	1085.2	1010.3	958.0	909.4
-32.5°	927.0	942.7	951.0	947.5	951.0	942.7	927.0	906.7	877.9	849.3	821.7
-35°	824.4	826.9	826.4	823.8	826.4	826.9	824.4	816.7	801.9	781.4	753.3
-37.5°	756.0	756.1	753.7	753.5	753.7	756.1	756.0	749.5	733.6	714.1	692.4
-40°	683.5	683.2	680.9	680.4	680.9	683.2	683.5	678.8	667.1	654.1	638.9
-42.5°	617.2	617.6	617.3	618.5	617.3	617.6	617.2	613.7	607.4	598.0	589.3
-45°	568.9	568.0	567.3	567.9	567.3	568.0	568.9	568.5	567.1	564.4	560.5
-47.5°	543.9	542.8	542.3	542.6	542.3	542.8	543.9	544.4	544.5	543.8	541.9
-50°	528.1	526.3	525.5	525.7	525.5	526.3	528.1	529.4	529.9	529.7	528.7
-52.5°	518.3	517.4	516.1	514.5	516.1	517.4	518.3	518.7	518.6	518.3	517.7
-55°	508.5	508.5	507.7	506.1	507.7	508.5	508.5	508.2	507.5	506.9	505.6
-57.5°	497.4	497.4	497.5	497.6	497.5	497.4	497.4	496.8	495.6	493.9	491.6
-60°	486.7	488.4	489.1	489.2	489.1	488.4	486.7	484.4	481.4	478.3	474.4
-62.5°	472.1	476.1	477.6	478.0	477.6	476.1	472.1	467.7	463.0	458.0	452.4
-65°	442.4	445.2	445.3	444.2	445.3	445.2	442.4	439.0	435.2	429.9	423.3
-67.5°	402.0	403.3	403.2	402.0	403.2	403.3	402.0	399.9	397.1	392.5	385.8
-70°	354.9	355.6	358.0	359.9	358.0	355.6	354.9	353.3	350.7	346.3	339.4
-72.5°	300.9	302.1	304.6	306.5	304.6	302.1	300.9	298.8	295.9	291.9	286.5
-75°	244.4	246.1	247.1	247.4	247.1	246.1	244.4	242.0	238.9	235.2	231.5
-77.5°	187.9	190.0	190.9	191.2	190.9	190.0	187.9	185.3	182.2	178.8	176.0
-80°	130.4	131.4	131.9	132.1	131.9	131.4	130.4	129.2	127.5	125.6	123.8
-82.5°	83.4	83.9	84.2	84.3	84.2	83.9	83.4	82.6	81.7	80.5	79.2
-85°	47.3	47.6	47.7	47.8	47.7	47.6	47.3	46.9	46.3	45.7	44.9
-87.5°	16.8	16.8	16.9	16.9	16.9	16.8	16.8	16.6	16.5	16.3	16.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559128 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-940-U-TS-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.9	15.6	15.3	15.6	15.9	16.0	16.1	15.6	15.1	14.5	13.9
85°	44.1	43.1	42.0	40.4	38.8	37.3	35.8	34.1	32.4	30.7	29.0
82.5°	77.7	75.9	74.0	71.6	69.0	66.1	62.9	59.4	55.6	51.5	47.2
80°	121.6	119.0	115.8	111.9	107.6	103.0	98.1	93.1	87.4	81.9	76.9
77.5°	172.7	168.9	164.6	159.4	153.6	147.1	140.3	134.4	128.3	121.5	113.6
75°	227.2	222.2	216.6	210.4	203.5	196.1	187.9	179.1	170.3	161.5	152.0
72.5°	280.6	274.3	267.9	261.3	254.0	245.4	235.5	224.7	213.3	201.3	189.2
70°	331.9	323.8	315.8	308.0	299.7	290.5	280.4	269.3	257.2	243.7	228.7
67.5°	378.4	370.2	361.9	352.6	342.3	331.9	321.6	311.1	298.5	284.2	267.5
65°	416.2	408.8	401.7	391.9	381.4	370.1	358.7	346.6	334.0	320.9	305.2
62.5°	445.9	438.6	431.5	423.2	414.2	404.6	393.4	380.0	366.4	352.2	335.9
60°	469.6	463.9	456.8	449.0	440.8	431.5	420.0	408.5	396.9	381.3	364.9
57.5°	488.5	483.6	476.8	470.0	463.1	453.7	442.8	431.4	418.8	406.3	392.2
55°	503.6	499.3	493.4	486.6	479.0	471.2	462.5	451.7	439.3	427.5	413.4
52.5°	516.5	512.2	507.3	501.9	494.8	486.7	478.2	468.3	458.2	446.1	432.9
50°	527.0	523.4	518.8	513.4	507.3	500.9	492.6	483.2	474.1	463.0	450.2
47.5°	539.6	535.4	530.2	524.7	518.5	511.4	504.2	497.2	488.2	478.5	465.8
45°	556.6	550.8	544.0	537.6	530.4	522.9	514.4	507.8	500.8	491.2	480.7
42.5°	580.9	571.3	562.6	553.2	543.3	535.0	526.6	518.8	511.3	502.8	491.9
40°	618.8	598.6	586.3	572.8	560.7	547.9	538.9	529.6	521.4	513.1	502.4
37.5°	667.6	642.2	619.3	597.0	581.4	566.1	552.8	541.7	530.7	521.9	511.4
35°	720.2	689.9	661.6	633.3	605.6	586.8	568.9	555.0	542.2	530.2	519.8
32.5°	784.8	748.1	711.4	676.7	641.3	611.1	588.7	569.0	553.3	539.7	527.6
30°	858.2	812.2	768.2	725.0	681.8	642.9	610.6	585.6	565.1	548.8	535.6
27.5°	959.3	879.1	826.8	774.6	723.6	677.9	638.5	603.6	577.6	558.6	543.2
25°	1132.2	985.5	891.8	828.1	768.9	714.4	668.3	627.3	593.4	568.2	548.9
22.5°	1414.5	1163.5	986.7	884.0	816.0	755.8	701.5	652.2	607.8	577.3	555.5
20°	1960.8	1417.3	1137.6	963.1	860.4	794.4	734.3	678.4	627.0	587.3	561.2
17.5°	2928.3	1875.5	1313.1	1051.9	912.9	829.2	765.4	702.5	645.0	595.5	565.8
15°	4097.7	2508.1	1632.1	1190.8	970.6	857.9	792.6	724.4	662.4	606.5	571.9
12.5°	5755.6	3205.8	1909.0	1302.9	1033.1	892.9	815.7	745.9	678.5	618.2	577.1
10°	7137.4	4036.1	2349.1	1510.3	1116.7	930.2	832.4	758.8	687.6	626.5	580.6
7.5°	8870.8	4960.6	2741.5	1664.4	1180.0	956.8	842.5	765.7	692.5	631.7	582.3
5°	9965.3	5571.7	3003.8	1780.3	1227.0	974.8	849.8	768.3	693.4	633.8	582.6
2.5°	10735.5	5886.0	3123.3	1843.9	1253.6	982.7	853.3	770.1	696.8	635.7	585.6
0°	10863.6	6126.2	3140.4	1858.4	1256.7	978.4	851.9	770.3	700.1	635.4	587.6
-2.5°	10735.5	5886.0	3123.3	1843.9	1253.6	982.7	853.3	770.1	696.8	635.7	585.6
-5°	9965.3	5571.7	3003.8	1780.3	1227.0	974.8	849.8	768.3	693.4	633.8	582.6
-7.5°	8870.8	4960.6	2741.5	1664.4	1180.0	956.8	842.5	765.7	692.5	631.7	582.3
-10°	7137.4	4036.1	2349.1	1510.3	1116.7	930.2	832.4	758.8	687.6	626.5	580.6
-12.5°	5755.6	3205.8	1909.0	1302.9	1033.1	892.9	815.7	745.9	678.5	618.2	577.1
-15°	4097.7	2508.1	1632.1	1190.8	970.6	857.9	792.6	724.4	662.4	606.5	571.9
-17.5°	2928.3	1875.5	1313.1	1051.9	912.9	829.2	765.4	702.5	645.0	595.5	565.8
-20°	1960.8	1417.3	1137.6	963.1	860.4	794.4	734.3	678.4	627.0	587.3	561.2



REPORT NUMBER: P559128 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-940-U-TS-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1414.5	1163.5	986.7	884.0	816.0	755.8	701.5	652.2	607.8	577.3	555.5
-25°	1132.2	985.5	891.8	828.1	768.9	714.4	668.3	627.3	593.4	568.2	548.9
-27.5°	959.3	879.1	826.8	774.6	723.6	677.9	638.5	603.6	577.6	558.6	543.2
-30°	858.2	812.2	768.2	725.0	681.8	642.9	610.6	585.6	565.1	548.8	535.6
-32.5°	784.8	748.1	711.4	676.7	641.3	611.1	588.7	569.0	553.3	539.7	527.6
-35°	720.2	689.9	661.6	633.3	605.6	586.8	568.9	555.0	542.2	530.2	519.8
-37.5°	667.6	642.2	619.3	597.0	581.4	566.1	552.8	541.7	530.7	521.9	511.4
-40°	618.8	598.6	586.3	572.8	560.7	547.9	538.9	529.6	521.4	513.1	502.4
-42.5°	580.9	571.3	562.6	553.2	543.3	535.0	526.6	518.8	511.3	502.8	491.9
-45°	556.6	550.8	544.0	537.6	530.4	522.9	514.4	507.8	500.8	491.2	480.7
-47.5°	539.6	535.4	530.2	524.7	518.5	511.4	504.2	497.2	488.2	478.5	465.8
-50°	527.0	523.4	518.8	513.4	507.3	500.9	492.6	483.2	474.1	463.0	450.2
-52.5°	516.5	512.2	507.3	501.9	494.8	486.7	478.2	468.3	458.2	446.1	432.9
-55°	503.6	499.3	493.4	486.6	479.0	471.2	462.5	451.7	439.3	427.5	413.4
-57.5°	488.5	483.6	476.8	470.0	463.1	453.7	442.8	431.4	418.8	406.3	392.2
-60°	469.6	463.9	456.8	449.0	440.8	431.5	420.0	408.5	396.9	381.3	364.9
-62.5°	445.9	438.6	431.5	423.2	414.2	404.6	393.4	380.0	366.4	352.2	335.9
-65°	416.2	408.8	401.7	391.9	381.4	370.1	358.7	346.6	334.0	320.9	305.2
-67.5°	378.4	370.2	361.9	352.6	342.3	331.9	321.6	311.1	298.5	284.2	267.5
-70°	331.9	323.8	315.8	308.0	299.7	290.5	280.4	269.3	257.2	243.7	228.7
-72.5°	280.6	274.3	267.9	261.3	254.0	245.4	235.5	224.7	213.3	201.3	189.2
-75°	227.2	222.2	216.6	210.4	203.5	196.1	187.9	179.1	170.3	161.5	152.0
-77.5°	172.7	168.9	164.6	159.4	153.6	147.1	140.3	134.4	128.3	121.5	113.6
-80°	121.6	119.0	115.8	111.9	107.6	103.0	98.1	93.1	87.4	81.9	76.9
-82.5°	77.7	75.9	74.0	71.6	69.0	66.1	62.9	59.4	55.6	51.5	47.2
-85°	44.1	43.1	42.0	40.4	38.8	37.3	35.8	34.1	32.4	30.7	29.0
-87.5°	15.9	15.6	15.3	15.6	15.9	16.0	16.1	15.6	15.1	14.5	13.9
-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: P559128 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	13.3	12.7	12.0	11.3	10.6	9.8	9.1	8.3	7.5	6.7	5.9
85°	27.8	26.5	25.0	23.4	21.7	19.7	18.2	16.6	15.1	13.5	11.8
82.5°	44.0	41.9	40.0	37.9	36.0	33.7	31.0	27.9	24.1	20.4	17.7
80°	72.3	67.5	62.4	57.2	52.2	47.8	44.6	40.8	35.5	30.3	25.4
77.5°	105.0	96.5	88.1	80.9	73.3	66.3	59.9	53.8	46.8	40.2	33.8
75°	141.2	130.0	119.0	107.9	96.2	84.5	75.8	67.7	59.2	50.1	42.2
72.5°	177.0	164.1	150.4	136.1	122.5	108.7	94.5	81.6	71.9	61.7	51.0
70°	213.5	198.4	183.2	166.6	149.6	132.9	116.8	100.5	84.7	73.2	61.3
67.5°	250.0	232.3	214.8	196.7	177.5	158.2	139.0	120.3	102.1	84.7	71.4
65°	285.8	265.8	245.4	225.6	204.9	183.4	161.9	140.0	119.1	99.5	81.4
62.5°	318.6	299.3	277.0	254.6	231.9	208.5	184.2	160.3	136.0	113.9	93.0
60°	347.5	327.9	307.5	283.8	258.8	233.4	207.1	180.3	154.0	127.9	105.0
57.5°	373.8	354.9	333.8	311.2	285.5	258.0	229.6	200.4	171.6	143.1	116.7
55°	398.1	379.0	358.8	335.8	310.5	282.1	251.7	220.5	188.9	158.3	128.1
52.5°	417.7	400.9	381.0	358.8	333.2	305.2	273.3	239.9	206.4	173.0	140.9
50°	435.6	419.8	401.1	379.0	354.8	325.7	294.5	259.2	223.4	187.5	153.6
47.5°	451.9	436.6	418.8	397.9	373.1	345.6	313.4	278.0	239.7	202.1	165.7
45°	466.3	451.5	434.8	414.3	390.7	362.7	331.0	296.3	256.2	216.2	177.3
42.5°	479.6	464.5	448.3	430.3	405.9	378.6	347.9	312.0	272.0	229.8	188.8
40°	489.9	476.1	460.7	442.2	420.0	393.9	362.2	326.6	287.3	242.9	200.1
37.5°	499.7	486.0	470.7	453.4	432.8	406.3	375.7	340.5	301.1	255.7	210.9
35°	507.8	494.7	479.7	462.8	442.7	418.2	388.7	353.2	312.6	267.6	221.0
32.5°	515.5	502.4	487.1	470.5	452.1	429.3	399.7	363.9	323.5	278.8	230.5
30°	522.6	508.4	493.9	477.4	460.2	437.6	409.1	374.0	333.7	289.1	239.5
27.5°	528.4	513.6	500.0	483.4	466.0	445.1	417.6	383.3	343.1	298.2	247.9
25°	533.8	518.5	504.3	488.8	471.2	452.0	425.6	391.8	351.0	305.8	255.5
22.5°	538.6	522.9	508.0	493.7	475.8	458.4	432.1	398.2	357.9	312.7	262.4
20°	542.8	526.9	510.9	497.4	479.7	462.2	437.2	404.0	364.1	318.8	268.5
17.5°	546.5	530.2	513.9	499.6	482.9	465.4	441.9	409.2	369.5	324.2	273.8
15°	549.9	532.7	516.4	501.4	485.5	468.1	446.1	413.8	374.1	328.9	278.4
12.5°	552.7	534.4	518.5	502.8	487.5	470.3	449.7	417.6	378.0	332.7	282.3
10°	555.0	535.4	519.9	503.8	488.9	471.9	452.7	420.7	381.0	335.8	285.3
7.5°	556.6	535.7	520.8	504.3	489.9	473.2	454.5	422.9	383.3	338.1	287.5
5°	557.9	536.4	521.8	505.2	491.1	474.2	455.5	424.2	384.7	339.6	289.0
2.5°	560.6	538.3	522.6	505.9	491.8	474.9	455.9	424.8	385.4	340.3	289.7
0°	562.3	539.8	522.9	506.1	492.0	475.1	455.5	424.5	385.2	340.2	289.6
-2.5°	560.6	538.3	522.6	505.9	491.8	474.9	455.9	424.8	385.4	340.3	289.7
-5°	557.9	536.4	521.8	505.2	491.1	474.2	455.5	424.2	384.7	339.6	289.0
-7.5°	556.6	535.7	520.8	504.3	489.9	473.2	454.5	422.9	383.3	338.1	287.5
-10°	555.0	535.4	519.9	503.8	488.9	471.9	452.7	420.7	381.0	335.8	285.3
-12.5°	552.7	534.4	518.5	502.8	487.5	470.3	449.7	417.6	378.0	332.7	282.3
-15°	549.9	532.7	516.4	501.4	485.5	468.1	446.1	413.8	374.1	328.9	278.4
-17.5°	546.5	530.2	513.9	499.6	482.9	465.4	441.9	409.2	369.5	324.2	273.8
-20°	542.8	526.9	510.9	497.4	479.7	462.2	437.2	404.0	364.1	318.8	268.5



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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°	538.6	522.9	508.0	493.7	475.8	458.4	432.1	398.2	357.9	312.7	262.4
-25°	533.8	518.5	504.3	488.8	471.2	452.0	425.6	391.8	351.0	305.8	255.5
-27.5°	528.4	513.6	500.0	483.4	466.0	445.1	417.6	383.3	343.1	298.2	247.9
-30°	522.6	508.4	493.9	477.4	460.2	437.6	409.1	374.0	333.7	289.1	239.5
-32.5°	515.5	502.4	487.1	470.5	452.1	429.3	399.7	363.9	323.5	278.8	230.5
-35°	507.8	494.7	479.7	462.8	442.7	418.2	388.7	353.2	312.6	267.6	221.0
-37.5°	499.7	486.0	470.7	453.4	432.8	406.3	375.7	340.5	301.1	255.7	210.9
-40°	489.9	476.1	460.7	442.2	420.0	393.9	362.2	326.6	287.3	242.9	200.1
-42.5°	479.6	464.5	448.3	430.3	405.9	378.6	347.9	312.0	272.0	229.8	188.8
-45°	466.3	451.5	434.8	414.3	390.7	362.7	331.0	296.3	256.2	216.2	177.3
-47.5°	451.9	436.6	418.8	397.9	373.1	345.6	313.4	278.0	239.7	202.1	165.7
-50°	435.6	419.8	401.1	379.0	354.8	325.7	294.5	259.2	223.4	187.5	153.6
-52.5°	417.7	400.9	381.0	358.8	333.2	305.2	273.3	239.9	206.4	173.0	140.9
-55°	398.1	379.0	358.8	335.8	310.5	282.1	251.7	220.5	188.9	158.3	128.1
-57.5°	373.8	354.9	333.8	311.2	285.5	258.0	229.6	200.4	171.6	143.1	116.7
-60°	347.5	327.9	307.5	283.8	258.8	233.4	207.1	180.3	154.0	127.9	105.0
-62.5°	318.6	299.3	277.0	254.6	231.9	208.5	184.2	160.3	136.0	113.9	93.0
-65°	285.8	265.8	245.4	225.6	204.9	183.4	161.9	140.0	119.1	99.5	81.4
-67.5°	250.0	232.3	214.8	196.7	177.5	158.2	139.0	120.3	102.1	84.7	71.4
-70°	213.5	198.4	183.2	166.6	149.6	132.9	116.8	100.5	84.7	73.2	61.3
-72.5°	177.0	164.1	150.4	136.1	122.5	108.7	94.5	81.6	71.9	61.7	51.0
-75°	141.2	130.0	119.0	107.9	96.2	84.5	75.8	67.7	59.2	50.1	42.2
-77.5°	105.0	96.5	88.1	80.9	73.3	66.3	59.9	53.8	46.8	40.2	33.8
-80°	72.3	67.5	62.4	57.2	52.2	47.8	44.6	40.8	35.5	30.3	25.4
-82.5°	44.0	41.9	40.0	37.9	36.0	33.7	31.0	27.9	24.1	20.4	17.7
-85°	27.8	26.5	25.0	23.4	21.7	19.7	18.2	16.6	15.1	13.5	11.8
-87.5°	13.3	12.7	12.0	11.3	10.6	9.8	9.1	8.3	7.5	6.7	5.9
-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):

	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°	5.1	4.4	3.7	2.8	2.0	1.0	0.0
85°	10.2	8.8	7.3	5.7	3.9	2.0	0.0
82.5°	15.3	13.2	11.0	8.5	5.9	2.9	0.0
80°	20.6	17.6	14.6	11.3	7.8	3.9	0.0
77.5°	27.8	22.6	18.2	14.1	9.7	4.9	0.0
75°	34.9	28.5	22.0	16.9	11.6	5.8	0.0
72.5°	42.0	34.4	26.8	19.7	13.5	6.8	0.0
70°	49.2	40.2	31.4	22.6	15.4	7.7	0.0
67.5°	58.0	46.0	36.0	26.0	17.2	8.6	0.0
65°	66.7	52.3	40.6	29.4	19.0	9.5	0.0
62.5°	75.1	59.3	45.0	32.8	20.8	10.4	0.0
60°	83.4	66.1	49.4	36.0	22.5	11.2	0.0
57.5°	93.2	72.7	54.5	39.2	24.6	12.1	0.0
55°	103.0	79.1	59.6	42.3	26.6	12.9	0.0
52.5°	112.5	85.6	64.5	45.4	28.6	13.7	0.0
50°	121.7	93.2	69.3	48.3	30.5	14.5	0.0
47.5°	130.8	100.6	73.8	51.2	32.3	15.2	0.0
45°	140.7	107.8	78.2	54.5	34.1	15.9	0.0
42.5°	150.1	114.6	82.3	57.6	35.8	16.6	0.0
40°	159.1	121.1	86.9	60.5	37.4	17.2	0.0
37.5°	167.6	127.3	91.8	63.2	39.0	17.8	0.0
35°	175.6	133.7	96.5	65.8	40.4	18.4	0.0
32.5°	183.2	139.9	100.9	68.1	41.8	19.0	0.0
30°	190.8	145.7	105.0	70.3	43.1	19.5	0.0
27.5°	197.9	151.0	108.7	72.3	44.2	20.0	0.0
25°	204.3	155.9	112.1	74.1	45.3	20.4	0.0
22.5°	210.2	160.4	115.3	75.7	46.3	20.8	0.0
20°	215.5	164.4	118.1	77.1	47.2	21.1	0.0
17.5°	220.2	168.0	120.7	78.3	48.0	21.5	0.0
15°	224.4	171.1	122.9	79.3	48.7	21.7	0.0
12.5°	228.0	173.8	124.8	80.1	49.3	22.0	0.0
10°	231.0	176.0	126.4	80.8	49.7	22.2	0.0
7.5°	233.2	177.7	127.7	81.2	50.1	22.3	0.0
5°	234.9	178.9	128.6	81.5	50.4	22.4	0.0
2.5°	235.9	179.7	129.1	81.6	50.5	22.5	0.0
0°	236.2	179.9	129.3	81.5	50.6	22.5	0.0
-2.5°	235.9	179.7	129.1	81.6	50.5	22.5	0.0
-5°	234.9	178.9	128.6	81.5	50.4	22.4	0.0
-7.5°	233.2	177.7	127.7	81.2	50.1	22.3	0.0
-10°	231.0	176.0	126.4	80.8	49.7	22.2	0.0
-12.5°	228.0	173.8	124.8	80.1	49.3	22.0	0.0
-15°	224.4	171.1	122.9	79.3	48.7	21.7	0.0
-17.5°	220.2	168.0	120.7	78.3	48.0	21.5	0.0
-20°	215.5	164.4	118.1	77.1	47.2	21.1	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	210.2	160.4	115.3	75.7	46.3	20.8	0.0
-25°	204.3	155.9	112.1	74.1	45.3	20.4	0.0
-27.5°	197.9	151.0	108.7	72.3	44.2	20.0	0.0
-30°	190.8	145.7	105.0	70.3	43.1	19.5	0.0
-32.5°	183.2	139.9	100.9	68.1	41.8	19.0	0.0
-35°	175.6	133.7	96.5	65.8	40.4	18.4	0.0
-37.5°	167.6	127.3	91.8	63.2	39.0	17.8	0.0
-40°	159.1	121.1	86.9	60.5	37.4	17.2	0.0
-42.5°	150.1	114.6	82.3	57.6	35.8	16.6	0.0
-45°	140.7	107.8	78.2	54.5	34.1	15.9	0.0
-47.5°	130.8	100.6	73.8	51.2	32.3	15.2	0.0
-50°	121.7	93.2	69.3	48.3	30.5	14.5	0.0
-52.5°	112.5	85.6	64.5	45.4	28.6	13.7	0.0
-55°	103.0	79.1	59.6	42.3	26.6	12.9	0.0
-57.5°	93.2	72.7	54.5	39.2	24.6	12.1	0.0
-60°	83.4	66.1	49.4	36.0	22.5	11.2	0.0
-62.5°	75.1	59.3	45.0	32.8	20.8	10.4	0.0
-65°	66.7	52.3	40.6	29.4	19.0	9.5	0.0
-67.5°	58.0	46.0	36.0	26.0	17.2	8.6	0.0
-70°	49.2	40.2	31.4	22.6	15.4	7.7	0.0
-72.5°	42.0	34.4	26.8	19.7	13.5	6.8	0.0
-75°	34.9	28.5	22.0	16.9	11.6	5.8	0.0
-77.5°	27.8	22.6	18.2	14.1	9.7	4.9	0.0
-80°	20.6	17.6	14.6	11.3	7.8	3.9	0.0
-82.5°	15.3	13.2	11.0	8.5	5.9	2.9	0.0
-85°	10.2	8.8	7.3	5.7	3.9	2.0	0.0
-87.5°	5.1	4.4	3.7	2.8	2.0	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)