

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: P559096 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P559096 (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-SA5D-940-U-TS-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, TIGHT SPOT N2
Light Source: (80) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

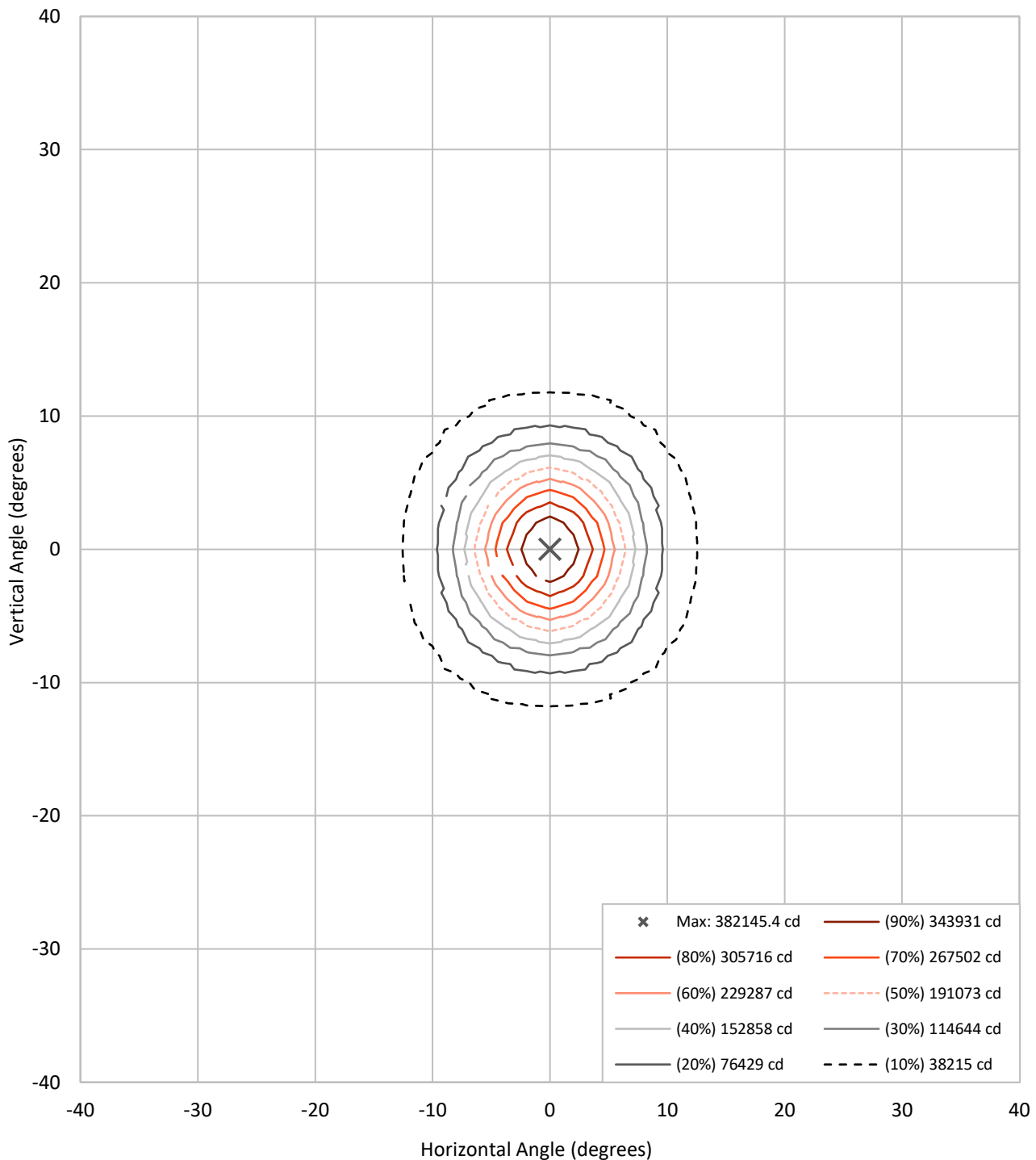
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	27700.5 lumens	Max Intensity:	382145.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	104.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	12.7°H x 12.3°V	Field Angle (10%):	24.6°H x 23.6°V
Beam Lumens:	8752.9 lumens	Field Lumens:	19390.7 lumens
Beam Efficiency:	31.6%	Field Efficiency:	70.0%

Input Watts (W): 266
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Candela Plot





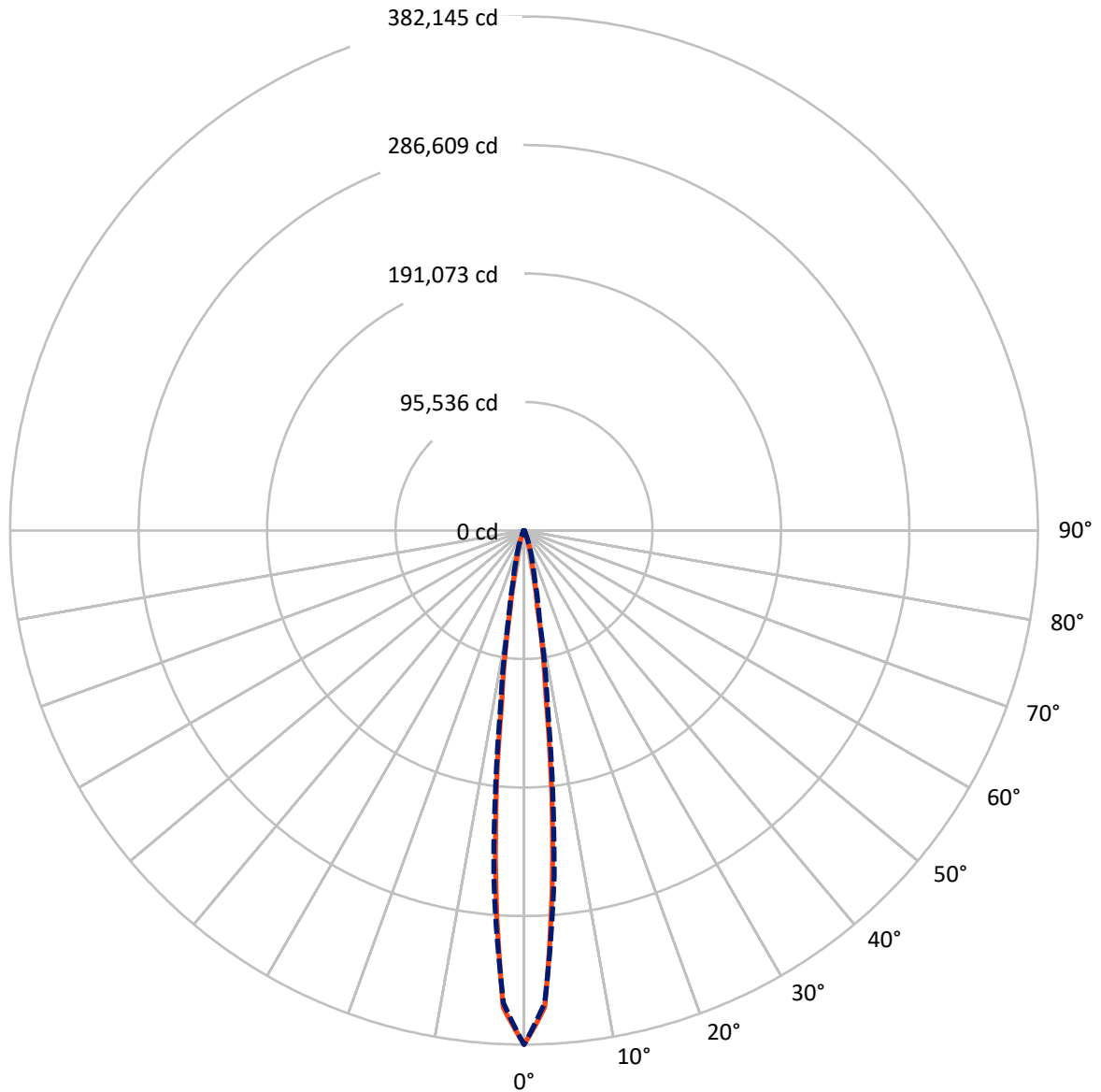
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Lumen Table

90	0.4	3.2		8.9		14.3		16.6		14.3		8.9		3.2		0.4			
80	0.4	3.2		8.9		14.3		16.6		14.3		8.9		3.2		0.4			
70	1.5	1.7	3.6	5.9	8.1	10.0	11.4	12.1	12.1	11.4	10.0	8.1	5.9	3.6	1.7	1.5			
60		2.6	5.3	8.1	10.5	12.4	13.6	14.1	14.1	13.6	12.4	10.5	8.1	5.3	2.6				
50	2.7	3.5	6.6	9.4	11.8	13.8	15.4	16.2	16.2	15.4	13.8	11.8	9.4	6.6	3.5	2.7			
40		4.2	7.4	10.2	13.1	16.9	21.1	23.8	23.8	21.1	16.9	13.1	10.2	7.4	4.2				
30	3.6	4.6	7.8	10.9	15.4	23.9	53.1	96.7	96.7	53.1	23.9	15.4	10.9	7.8	4.6	3.6			
20		4.8	8.0	11.5	18.3	51.4	290.5	639.0	639.0	290.5	51.4	18.3	11.5	8.0	4.8				
10	3.9	5.0	8.1	11.8	20.3	98.7	697.3	4510.7	4510.7	697.3	98.7	20.3	11.8	8.1	5.0	3.9			
0		5.0	8.1	11.8	20.3	98.7	697.3	4510.7	4510.7	697.3	98.7	20.3	11.8	8.1	5.0				
-10	3.6	4.8	8.0	11.5	18.3	51.4	290.5	639.0	639.0	290.5	51.4	18.3	11.5	8.0	4.8	3.6			
-20		4.6	7.8	10.9	15.4	23.9	53.1	96.7	96.7	53.1	23.9	15.4	10.9	7.8	4.6				
-30	2.7	4.2	7.4	10.2	13.1	16.9	21.1	23.8	23.8	21.1	16.9	13.1	10.2	7.4	4.2	2.7			
-40		3.5	6.6	9.4	11.8	13.8	15.4	16.2	16.2	15.4	13.8	11.8	9.4	6.6	3.5				
-50	1.5	2.6	5.3	8.1	10.5	12.4	13.6	14.1	14.1	13.6	12.4	10.5	8.1	5.3	2.6	1.5			
-60		1.7	3.6	5.9	8.1	10.0	11.4	12.1	12.1	11.4	10.0	8.1	5.9	3.6	1.7				
-70	0.4	3.2		8.9		14.3		16.6		14.3		8.9		3.2		0.4			
-80		3.2		8.9		14.3		16.6		14.3		8.9		3.2					
-90	0.4	3.2		8.9		14.3		16.6		14.3		8.9		3.2		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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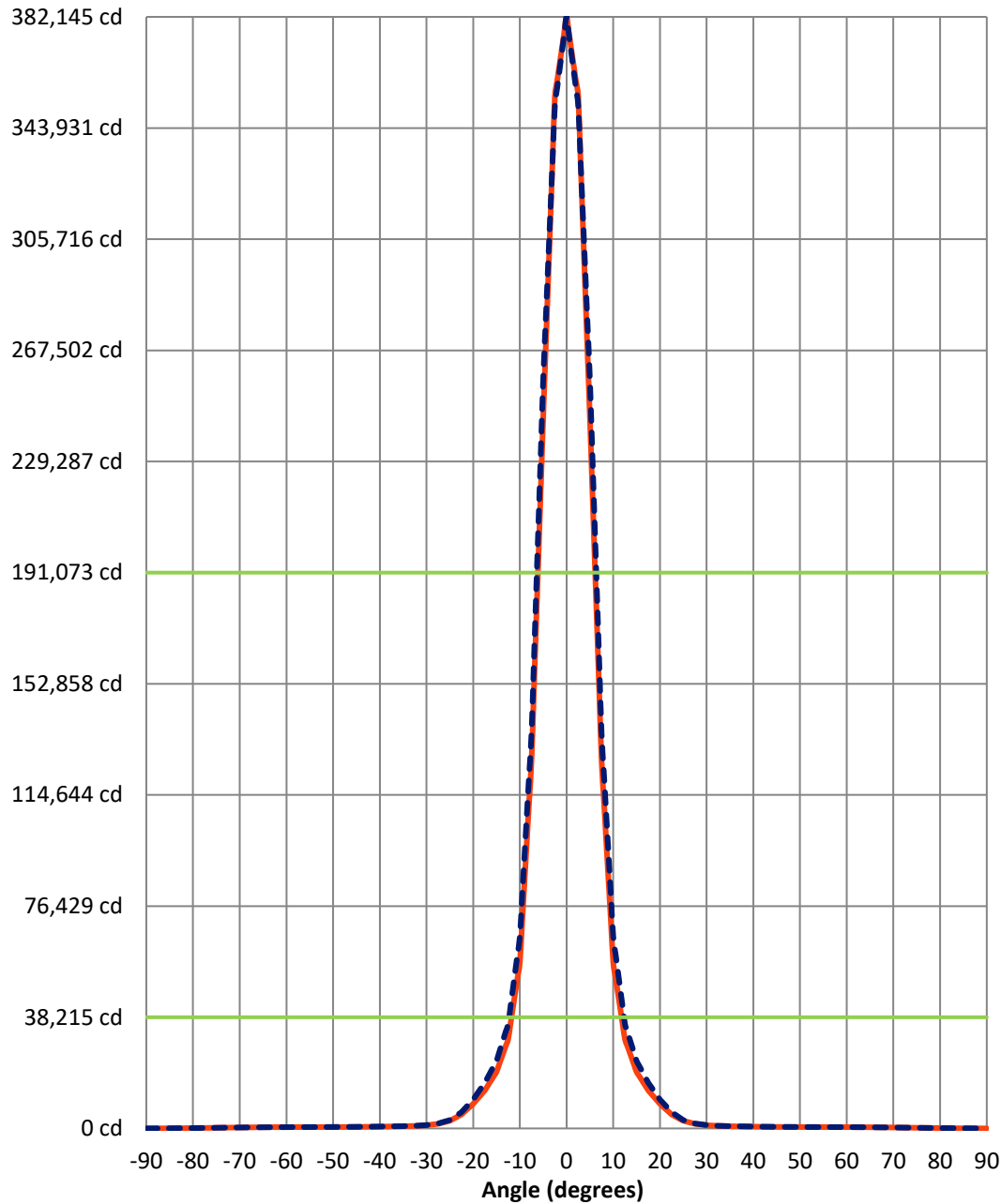
Luminous Intensity Polar Plot



— 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: 8752.9
Efficiency: 31.6%

Field:
H Angle: 24.6°
V Angle: 23.6°
Lumens: 19390.7
Efficiency: 70.0%

Spill:
Lumens: 8309.8
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	0.9	1.8	2.6	3.4	4.0	4.7	5.4	6.2	6.9	7.6
85°	0.0	1.8	3.6	5.2	6.7	8.1	9.3	10.8	12.3	13.8	15.2
82.5°	0.0	2.7	5.4	7.8	10.0	12.1	14.0	16.2	18.6	22.0	25.5
80°	0.0	3.6	7.1	10.4	13.4	16.1	18.8	23.2	27.7	32.4	37.3
77.5°	0.0	4.5	8.9	12.9	16.7	20.6	25.4	30.9	36.8	42.8	49.2
75°	0.0	5.3	10.7	15.5	20.2	26.1	31.9	38.6	45.9	54.2	62.0
72.5°	0.0	6.2	12.4	18.0	24.5	31.5	38.4	46.6	56.5	65.9	74.7
70°	0.0	7.0	14.1	20.7	28.8	36.8	45.0	56.1	67.0	77.6	92.0
67.5°	0.0	7.9	15.7	23.8	33.0	42.0	53.1	65.4	77.6	93.5	110.0
65°	0.0	8.7	17.4	26.9	37.1	47.9	61.0	74.6	91.1	109.0	128.1
62.5°	0.0	9.5	19.0	30.0	41.2	54.3	68.8	85.2	104.2	124.5	146.7
60°	0.0	10.3	20.6	33.0	45.1	60.5	76.3	96.1	117.0	140.9	164.9
57.5°	0.0	11.1	22.5	35.9	49.9	66.6	85.3	106.8	130.9	157.0	183.4
55°	0.0	11.8	24.4	38.7	54.6	72.4	94.3	117.2	144.8	172.8	201.7
52.5°	0.0	12.5	26.2	41.5	59.1	78.4	102.9	129.0	158.3	188.9	219.5
50°	0.0	13.2	27.9	44.2	63.4	85.4	111.3	140.5	171.6	204.4	237.2
47.5°	0.0	13.9	29.6	46.9	67.6	92.1	119.6	151.6	184.9	219.4	254.4
45°	0.0	14.6	31.2	49.9	71.6	98.6	128.7	162.3	197.9	234.4	271.2
42.5°	0.0	15.2	32.8	52.7	75.4	104.9	137.4	172.8	210.3	248.9	285.5
40°	0.0	15.8	34.3	55.4	79.6	110.8	145.6	183.1	222.3	262.9	298.9
37.5°	0.0	16.3	35.7	57.9	84.1	116.4	153.4	192.9	233.9	275.5	311.6
35°	0.0	16.9	37.0	60.2	88.3	122.3	160.7	202.2	244.9	286.1	323.2
32.5°	0.0	17.4	38.2	62.4	92.3	128.0	167.7	210.9	255.1	296.1	333.0
30°	0.0	17.8	39.4	64.3	96.1	133.3	174.6	219.1	264.6	305.4	342.2
27.5°	0.0	18.3	40.5	66.2	99.5	138.2	181.0	226.8	272.9	314.0	350.7
25°	0.0	18.7	41.5	67.8	102.6	142.7	186.9	233.8	279.8	321.2	358.5
22.5°	0.0	19.0	42.4	69.3	105.5	146.7	192.3	240.1	286.1	327.5	364.4
20°	0.0	19.4	43.2	70.5	108.1	150.4	197.1	245.7	291.8	333.2	369.7
17.5°	0.0	19.6	43.9	71.7	110.4	153.7	201.5	250.6	296.7	338.1	374.4
15°	0.0	19.9	44.5	72.6	112.5	156.6	205.3	254.8	301.0	342.3	378.6
12.5°	0.0	20.1	45.1	73.4	114.2	159.0	208.6	258.3	304.5	345.8	382.2
10°	0.0	20.3	45.5	74.0	115.7	161.0	211.3	261.1	307.3	348.6	385.0
7.5°	0.0	20.4	45.9	74.4	116.8	162.6	213.4	263.1	309.4	350.7	387.0
5°	0.0	20.5	46.1	74.6	117.6	163.7	214.9	264.5	310.8	352.0	388.2
2.5°	0.0	20.6	46.3	74.7	118.1	164.4	215.8	265.1	311.4	352.6	388.7
0°	0.0	20.6	46.3	74.6	118.3	164.6	216.1	265.0	311.3	352.4	388.5
-2.5°	0.0	20.6	46.3	74.7	118.1	164.4	215.8	265.1	311.4	352.6	388.7
-5°	0.0	20.5	46.1	74.6	117.6	163.7	214.9	264.5	310.8	352.0	388.2
-7.5°	0.0	20.4	45.9	74.4	116.8	162.6	213.4	263.1	309.4	350.7	387.0
-10°	0.0	20.3	45.5	74.0	115.7	161.0	211.3	261.1	307.3	348.6	385.0
-12.5°	0.0	20.1	45.1	73.4	114.2	159.0	208.6	258.3	304.5	345.8	382.2
-15°	0.0	19.9	44.5	72.6	112.5	156.6	205.3	254.8	301.0	342.3	378.6
-17.5°	0.0	19.6	43.9	71.7	110.4	153.7	201.5	250.6	296.7	338.1	374.4
-20°	0.0	19.4	43.2	70.5	108.1	150.4	197.1	245.7	291.8	333.2	369.7



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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	19.0	42.4	69.3	105.5	146.7	192.3	240.1	286.1	327.5	364.4
-25°	0.0	18.7	41.5	67.8	102.6	142.7	186.9	233.8	279.8	321.2	358.5
-27.5°	0.0	18.3	40.5	66.2	99.5	138.2	181.0	226.8	272.9	314.0	350.7
-30°	0.0	17.8	39.4	64.3	96.1	133.3	174.6	219.1	264.6	305.4	342.2
-32.5°	0.0	17.4	38.2	62.4	92.3	128.0	167.7	210.9	255.1	296.1	333.0
-35°	0.0	16.9	37.0	60.2	88.3	122.3	160.7	202.2	244.9	286.1	323.2
-37.5°	0.0	16.3	35.7	57.9	84.1	116.4	153.4	192.9	233.9	275.5	311.6
-40°	0.0	15.8	34.3	55.4	79.6	110.8	145.6	183.1	222.3	262.9	298.9
-42.5°	0.0	15.2	32.8	52.7	75.4	104.9	137.4	172.8	210.3	248.9	285.5
-45°	0.0	14.6	31.2	49.9	71.6	98.6	128.7	162.3	197.9	234.4	271.2
-47.5°	0.0	13.9	29.6	46.9	67.6	92.1	119.6	151.6	184.9	219.4	254.4
-50°	0.0	13.2	27.9	44.2	63.4	85.4	111.3	140.5	171.6	204.4	237.2
-52.5°	0.0	12.5	26.2	41.5	59.1	78.4	102.9	129.0	158.3	188.9	219.5
-55°	0.0	11.8	24.4	38.7	54.6	72.4	94.3	117.2	144.8	172.8	201.7
-57.5°	0.0	11.1	22.5	35.9	49.9	66.6	85.3	106.8	130.9	157.0	183.4
-60°	0.0	10.3	20.6	33.0	45.1	60.5	76.3	96.1	117.0	140.9	164.9
-62.5°	0.0	9.5	19.0	30.0	41.2	54.3	68.8	85.2	104.2	124.5	146.7
-65°	0.0	8.7	17.4	26.9	37.1	47.9	61.0	74.6	91.1	109.0	128.1
-67.5°	0.0	7.9	15.7	23.8	33.0	42.0	53.1	65.4	77.6	93.5	110.0
-70°	0.0	7.0	14.1	20.7	28.8	36.8	45.0	56.1	67.0	77.6	92.0
-72.5°	0.0	6.2	12.4	18.0	24.5	31.5	38.4	46.6	56.5	65.9	74.7
-75°	0.0	5.3	10.7	15.5	20.2	26.1	31.9	38.6	45.9	54.2	62.0
-77.5°	0.0	4.5	8.9	12.9	16.7	20.6	25.4	30.9	36.8	42.8	49.2
-80°	0.0	3.6	7.1	10.4	13.4	16.1	18.8	23.2	27.7	32.4	37.3
-82.5°	0.0	2.7	5.4	7.8	10.0	12.1	14.0	16.2	18.6	22.0	25.5
-85°	0.0	1.8	3.6	5.2	6.7	8.1	9.3	10.8	12.3	13.8	15.2
-87.5°	0.0	0.9	1.8	2.6	3.4	4.0	4.7	5.4	6.2	6.9	7.6
-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°	8.3	9.0	9.7	10.3	11.0	11.6	12.2	12.7	13.3	13.8	14.3
85°	16.6	18.0	19.8	21.4	22.9	24.2	25.5	26.5	28.1	29.6	31.2
82.5°	28.4	30.8	33.0	34.7	36.6	38.3	40.2	43.2	47.1	50.9	54.3
80°	40.8	43.7	47.8	52.4	57.2	61.8	66.2	70.4	75.0	80.0	85.2
77.5°	54.8	60.7	67.1	74.0	80.7	88.3	96.1	104.0	111.2	117.4	123.0
75°	69.4	77.4	88.1	98.8	108.9	118.9	129.1	139.1	147.7	155.8	163.9
72.5°	86.5	99.4	112.1	124.5	137.6	150.1	162.0	173.1	184.2	195.2	205.6
70°	106.9	121.6	136.9	152.5	167.6	181.5	195.3	209.3	223.0	235.3	246.4
67.5°	127.2	144.8	162.4	180.0	196.6	212.5	228.7	244.8	260.1	273.1	284.6
65°	148.1	167.8	187.5	206.5	224.6	243.2	261.5	279.2	293.7	305.6	317.2
62.5°	168.6	190.7	212.2	232.9	253.5	273.8	291.5	307.4	322.4	335.3	347.8
60°	189.5	213.5	236.8	259.7	281.4	300.0	318.1	334.0	348.9	363.2	373.8
57.5°	210.1	236.1	261.3	284.8	305.5	324.8	342.1	358.9	371.8	383.2	394.8
55°	230.3	258.2	284.2	307.3	328.3	346.8	364.3	378.2	391.2	402.0	413.3
52.5°	250.1	279.3	304.9	328.3	348.7	366.9	382.3	396.1	408.2	419.3	428.5
50°	269.6	298.1	324.8	346.8	367.1	384.1	398.6	412.0	423.7	433.7	442.1
47.5°	286.8	316.3	341.4	364.1	383.2	399.5	413.5	426.2	437.8	446.7	455.0
45°	302.9	332.0	357.6	379.1	397.8	413.1	426.7	439.8	449.5	458.3	464.7
42.5°	318.4	346.5	371.4	393.7	410.1	425.0	438.8	450.1	460.1	467.9	474.7
40°	331.4	360.5	384.3	404.5	421.5	435.6	448.3	459.7	469.6	477.1	484.5
37.5°	343.8	371.8	396.0	414.9	430.7	444.7	457.3	468.0	477.6	485.6	495.7
35°	355.7	382.6	405.0	423.5	438.9	452.7	464.7	475.6	485.1	496.1	507.8
32.5°	365.8	392.8	413.6	430.4	445.7	459.7	471.8	482.8	493.8	506.2	520.7
30°	374.3	400.4	421.0	436.8	452.0	465.2	478.2	490.0	502.1	517.1	535.9
27.5°	382.1	407.2	426.4	442.3	457.5	470.0	483.5	497.0	511.1	528.6	552.3
25°	389.4	413.5	431.1	447.2	461.5	474.5	488.4	502.2	519.9	543.0	574.0
22.5°	395.3	419.4	435.3	451.8	464.8	478.5	492.8	508.3	528.3	556.2	596.8
20°	400.0	422.9	438.9	455.2	467.5	482.1	496.7	513.6	537.4	573.8	620.8
17.5°	404.3	425.9	441.9	457.2	470.2	485.1	500.1	517.7	544.9	590.2	642.8
15°	408.1	428.3	444.3	458.8	472.6	487.5	503.2	523.4	555.0	606.1	662.8
12.5°	411.4	430.3	446.1	460.1	474.4	489.0	505.8	528.1	565.7	620.9	682.5
10°	414.2	431.8	447.4	461.0	475.7	489.9	507.9	531.2	573.3	629.2	694.3
7.5°	415.9	433.0	448.3	461.4	476.6	490.2	509.3	532.9	578.0	633.7	700.6
5°	416.8	434.0	449.3	462.3	477.5	490.8	510.6	533.1	580.0	634.5	703.0
2.5°	417.1	434.6	450.0	462.9	478.2	492.6	512.9	535.9	581.7	637.6	704.7
0°	416.8	434.8	450.2	463.1	478.5	493.9	514.5	537.7	581.4	640.6	704.9
-2.5°	417.1	434.6	450.0	462.9	478.2	492.6	512.9	535.9	581.7	637.6	704.7
-5°	416.8	434.0	449.3	462.3	477.5	490.8	510.6	533.1	580.0	634.5	703.0
-7.5°	415.9	433.0	448.3	461.4	476.6	490.2	509.3	532.9	578.0	633.7	700.6
-10°	414.2	431.8	447.4	461.0	475.7	489.9	507.9	531.2	573.3	629.2	694.3
-12.5°	411.4	430.3	446.1	460.1	474.4	489.0	505.8	528.1	565.7	620.9	682.5
-15°	408.1	428.3	444.3	458.8	472.6	487.5	503.2	523.4	555.0	606.1	662.8
-17.5°	404.3	425.9	441.9	457.2	470.2	485.1	500.1	517.7	544.9	590.2	642.8
-20°	400.0	422.9	438.9	455.2	467.5	482.1	496.7	513.6	537.4	573.8	620.8



REPORT NUMBER: P559096 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	395.3	419.4	435.3	451.8	464.8	478.5	492.8	508.3	528.3	556.2	596.8
-25°	389.4	413.5	431.1	447.2	461.5	474.5	488.4	502.2	519.9	543.0	574.0
-27.5°	382.1	407.2	426.4	442.3	457.5	470.0	483.5	497.0	511.1	528.6	552.3
-30°	374.3	400.4	421.0	436.8	452.0	465.2	478.2	490.0	502.1	517.1	535.9
-32.5°	365.8	392.8	413.6	430.4	445.7	459.7	471.8	482.8	493.8	506.2	520.7
-35°	355.7	382.6	405.0	423.5	438.9	452.7	464.7	475.6	485.1	496.1	507.8
-37.5°	343.8	371.8	396.0	414.9	430.7	444.7	457.3	468.0	477.6	485.6	495.7
-40°	331.4	360.5	384.3	404.5	421.5	435.6	448.3	459.7	469.6	477.1	484.5
-42.5°	318.4	346.5	371.4	393.7	410.1	425.0	438.8	450.1	460.1	467.9	474.7
-45°	302.9	332.0	357.6	379.1	397.8	413.1	426.7	439.8	449.5	458.3	464.7
-47.5°	286.8	316.3	341.4	364.1	383.2	399.5	413.5	426.2	437.8	446.7	455.0
-50°	269.6	298.1	324.8	346.8	367.1	384.1	398.6	412.0	423.7	433.7	442.1
-52.5°	250.1	279.3	304.9	328.3	348.7	366.9	382.3	396.1	408.2	419.3	428.5
-55°	230.3	258.2	284.2	307.3	328.3	346.8	364.3	378.2	391.2	402.0	413.3
-57.5°	210.1	236.1	261.3	284.8	305.5	324.8	342.1	358.9	371.8	383.2	394.8
-60°	189.5	213.5	236.8	259.7	281.4	300.0	318.1	334.0	348.9	363.2	373.8
-62.5°	168.6	190.7	212.2	232.9	253.5	273.8	291.5	307.4	322.4	335.3	347.8
-65°	148.1	167.8	187.5	206.5	224.6	243.2	261.5	279.2	293.7	305.6	317.2
-67.5°	127.2	144.8	162.4	180.0	196.6	212.5	228.7	244.8	260.1	273.1	284.6
-70°	106.9	121.6	136.9	152.5	167.6	181.5	195.3	209.3	223.0	235.3	246.4
-72.5°	86.5	99.4	112.1	124.5	137.6	150.1	162.0	173.1	184.2	195.2	205.6
-75°	69.4	77.4	88.1	98.8	108.9	118.9	129.1	139.1	147.7	155.8	163.9
-77.5°	54.8	60.7	67.1	74.0	80.7	88.3	96.1	104.0	111.2	117.4	123.0
-80°	40.8	43.7	47.8	52.4	57.2	61.8	66.2	70.4	75.0	80.0	85.2
-82.5°	28.4	30.8	33.0	34.7	36.6	38.3	40.2	43.2	47.1	50.9	54.3
-85°	16.6	18.0	19.8	21.4	22.9	24.2	25.5	26.5	28.1	29.6	31.2
-87.5°	8.3	9.0	9.7	10.3	11.0	11.6	12.2	12.7	13.3	13.8	14.3
-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: P559096 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	14.7	14.6	14.5	14.2	14.0	14.2	14.5	14.7	14.9	15.0	15.2
85°	32.8	34.1	35.5	36.9	38.4	39.4	40.3	41.1	41.8	42.4	42.8
82.5°	57.6	60.5	63.1	65.6	67.7	69.5	71.1	72.5	73.8	74.8	75.7
80°	89.8	94.3	98.5	102.4	106.0	108.9	111.3	113.3	114.9	116.7	118.2
77.5°	128.4	134.6	140.5	145.8	150.6	154.5	158.0	161.0	163.6	166.7	169.5
75°	171.9	179.4	186.2	192.5	198.2	203.3	207.9	211.9	215.2	218.6	221.5
72.5°	215.5	224.5	232.4	239.1	245.2	251.0	256.7	262.1	267.0	270.7	273.4
70°	256.6	265.8	274.2	281.8	288.9	296.2	303.7	310.6	316.9	320.9	323.3
67.5°	294.3	303.7	313.2	322.7	331.1	338.8	346.2	353.0	359.1	363.3	365.9
65°	328.3	338.7	349.0	358.7	367.6	374.1	380.9	387.3	393.4	398.2	401.7
62.5°	360.0	370.3	379.0	387.2	394.9	401.4	408.0	413.9	419.1	423.7	428.0
60°	384.3	394.8	403.3	410.9	417.9	424.5	429.7	434.1	437.6	440.5	443.2
57.5°	405.2	415.1	423.7	430.0	436.3	442.6	447.0	449.8	451.9	453.5	454.6
55°	423.1	431.1	438.3	445.3	451.5	456.8	460.8	462.6	463.8	464.4	465.0
52.5°	437.5	445.4	452.7	459.3	464.2	468.7	472.7	473.7	474.3	474.6	474.7
50°	450.8	458.4	464.2	469.8	474.8	478.9	482.3	483.8	484.7	484.9	484.4
47.5°	461.4	467.9	474.4	480.2	485.2	489.9	493.7	495.9	497.5	498.2	498.1
45°	470.7	478.5	485.3	492.0	497.8	504.0	509.3	512.8	516.4	518.9	520.1
42.5°	481.8	489.5	497.1	506.3	514.8	522.8	531.5	539.2	547.2	555.7	561.5
40°	493.1	501.4	513.0	524.1	536.6	547.8	566.2	584.5	598.5	610.4	621.1
37.5°	505.8	518.0	532.0	546.3	566.6	587.7	610.8	633.6	653.4	671.3	685.8
35°	520.6	536.9	554.1	579.5	605.3	631.3	659.0	689.3	715.0	733.8	747.3
32.5°	538.7	559.2	586.7	619.2	650.9	684.5	718.1	751.9	777.2	803.3	829.6
30°	558.7	588.3	623.9	663.4	703.0	743.2	785.3	832.1	876.6	924.5	993.0
27.5°	584.2	620.3	662.2	708.9	756.6	804.5	877.8	958.2	1077.6	1172.8	1334.6
25°	611.5	653.7	703.6	757.7	816.0	901.7	1036.0	1194.7	1475.9	1693.9	2024.8
22.5°	641.9	691.6	746.7	808.9	902.8	1064.6	1294.3	1701.8	2268.8	2828.7	3451.5
20°	671.8	726.9	787.2	881.2	1040.9	1296.8	1794.2	2675.2	3659.2	5060.3	6236.2
17.5°	700.3	758.7	835.3	962.5	1201.5	1716.2	2679.5	4188.6	6243.8	8502.2	10385.4
15°	725.2	784.9	888.1	1089.6	1493.4	2295.0	3749.5	6317.9	9771.0	12863.1	15621.0
12.5°	746.3	817.0	945.3	1192.2	1746.8	2933.4	5266.5	8913.6	13130.5	17466.9	20957.1
10°	761.6	851.1	1021.8	1382.0	2149.5	3693.2	6531.0	11131.4	16208.8	21479.3	27788.7
7.5°	770.9	875.5	1079.8	1522.9	2508.6	4539.1	8117.1	13111.6	18942.1	26137.1	35777.0
5°	777.6	892.0	1122.7	1629.0	2748.6	5098.3	9118.6	14611.9	21300.7	31704.1	51543.5
2.5°	780.8	899.3	1147.1	1687.2	2857.9	5385.9	9823.4	15471.0	22735.6	35631.3	62465.7
0°	779.5	895.3	1150.0	1700.5	2873.6	5605.7	9940.6	15716.2	23220.5	35983.3	65967.2
-2.5°	780.8	899.3	1147.1	1687.2	2857.9	5385.9	9823.4	15471.0	22735.6	35631.3	62465.7
-5°	777.6	892.0	1122.7	1629.0	2748.6	5098.3	9118.6	14611.9	21300.7	31704.1	51543.5
-7.5°	770.9	875.5	1079.8	1522.9	2508.6	4539.1	8117.1	13111.6	18942.1	26137.1	35777.0
-10°	761.6	851.1	1021.8	1382.0	2149.5	3693.2	6531.0	11131.4	16208.8	21479.3	27788.7
-12.5°	746.3	817.0	945.3	1192.2	1746.8	2933.4	5266.5	8913.6	13130.5	17466.9	20957.1
-15°	725.2	784.9	888.1	1089.6	1493.4	2295.0	3749.5	6317.9	9771.0	12863.1	15621.0
-17.5°	700.3	758.7	835.3	962.5	1201.5	1716.2	2679.5	4188.6	6243.8	8502.2	10385.4
-20°	671.8	726.9	787.2	881.2	1040.9	1296.8	1794.2	2675.2	3659.2	5060.3	6236.2



REPORT NUMBER: P559096 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	641.9	691.6	746.7	808.9	902.8	1064.6	1294.3	1701.8	2268.8	2828.7	3451.5
-25°	611.5	653.7	703.6	757.7	816.0	901.7	1036.0	1194.7	1475.9	1693.9	2024.8
-27.5°	584.2	620.3	662.2	708.9	756.6	804.5	877.8	958.2	1077.6	1172.8	1334.6
-30°	558.7	588.3	623.9	663.4	703.0	743.2	785.3	832.1	876.6	924.5	993.0
-32.5°	538.7	559.2	586.7	619.2	650.9	684.5	718.1	751.9	777.2	803.3	829.6
-35°	520.6	536.9	554.1	579.5	605.3	631.3	659.0	689.3	715.0	733.8	747.3
-37.5°	505.8	518.0	532.0	546.3	566.6	587.7	610.8	633.6	653.4	671.3	685.8
-40°	493.1	501.4	513.0	524.1	536.6	547.8	566.2	584.5	598.5	610.4	621.1
-42.5°	481.8	489.5	497.1	506.3	514.8	522.8	531.5	539.2	547.2	555.7	561.5
-45°	470.7	478.5	485.3	492.0	497.8	504.0	509.3	512.8	516.4	518.9	520.1
-47.5°	461.4	467.9	474.4	480.2	485.2	489.9	493.7	495.9	497.5	498.2	498.1
-50°	450.8	458.4	464.2	469.8	474.8	478.9	482.3	483.8	484.7	484.9	484.4
-52.5°	437.5	445.4	452.7	459.3	464.2	468.7	472.7	473.7	474.3	474.6	474.7
-55°	423.1	431.1	438.3	445.3	451.5	456.8	460.8	462.6	463.8	464.4	465.0
-57.5°	405.2	415.1	423.7	430.0	436.3	442.6	447.0	449.8	451.9	453.5	454.6
-60°	384.3	394.8	403.3	410.9	417.9	424.5	429.7	434.1	437.6	440.5	443.2
-62.5°	360.0	370.3	379.0	387.2	394.9	401.4	408.0	413.9	419.1	423.7	428.0
-65°	328.3	338.7	349.0	358.7	367.6	374.1	380.9	387.3	393.4	398.2	401.7
-67.5°	294.3	303.7	313.2	322.7	331.1	338.8	346.2	353.0	359.1	363.3	365.9
-70°	256.6	265.8	274.2	281.8	288.9	296.2	303.7	310.6	316.9	320.9	323.3
-72.5°	215.5	224.5	232.4	239.1	245.2	251.0	256.7	262.1	267.0	270.7	273.4
-75°	171.9	179.4	186.2	192.5	198.2	203.3	207.9	211.9	215.2	218.6	221.5
-77.5°	128.4	134.6	140.5	145.8	150.6	154.5	158.0	161.0	163.6	166.7	169.5
-80°	89.8	94.3	98.5	102.4	106.0	108.9	111.3	113.3	114.9	116.7	118.2
-82.5°	57.6	60.5	63.1	65.6	67.7	69.5	71.1	72.5	73.8	74.8	75.7
-85°	32.8	34.1	35.5	36.9	38.4	39.4	40.3	41.1	41.8	42.4	42.8
-87.5°	14.7	14.6	14.5	14.2	14.0	14.2	14.5	14.7	14.9	15.0	15.2
-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: P559096 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	15.3	15.3	15.4	15.4	15.4	15.3	15.3	15.2	15.0	14.9	14.7
85°	43.2	43.5	43.6	43.7	43.6	43.5	43.2	42.8	42.4	41.8	41.1
82.5°	76.3	76.8	77.1	77.2	77.1	76.8	76.3	75.7	74.8	73.8	72.5
80°	119.4	120.2	120.7	120.9	120.7	120.2	119.4	118.2	116.7	114.9	113.3
77.5°	171.9	173.8	174.6	174.9	174.6	173.8	171.9	169.5	166.7	163.6	161.0
75°	223.7	225.2	226.1	226.4	226.1	225.2	223.7	221.5	218.6	215.2	211.9
72.5°	275.3	276.4	278.7	280.4	278.7	276.4	275.3	273.4	270.7	267.0	262.1
70°	324.7	325.3	327.5	329.3	327.5	325.3	324.7	323.3	320.9	316.9	310.6
67.5°	367.8	369.0	368.9	367.9	368.9	369.0	367.8	365.9	363.3	359.1	353.0
65°	404.8	407.3	407.5	406.5	407.5	407.3	404.8	401.7	398.2	393.4	387.3
62.5°	431.9	435.5	437.0	437.3	437.0	435.5	431.9	428.0	423.7	419.1	413.9
60°	445.3	446.9	447.5	447.6	447.5	446.9	445.3	443.2	440.5	437.6	434.1
57.5°	455.2	455.2	455.3	455.4	455.3	455.2	455.2	454.6	453.5	451.9	449.8
55°	465.3	465.3	464.5	463.1	464.5	465.3	465.3	465.0	464.4	463.8	462.6
52.5°	474.3	473.5	472.3	470.8	472.3	473.5	474.3	474.7	474.6	474.3	473.7
50°	483.3	481.7	480.9	481.1	480.9	481.7	483.3	484.4	484.9	484.7	483.8
47.5°	497.7	496.6	496.2	496.5	496.2	496.6	497.7	498.1	498.2	497.5	495.9
45°	520.6	519.7	519.2	519.7	519.2	519.7	520.6	520.1	518.9	516.4	512.8
42.5°	564.8	565.2	564.9	566.0	564.9	565.2	564.8	561.5	555.7	547.2	539.2
40°	625.4	625.1	623.0	622.6	623.0	625.1	625.4	621.1	610.4	598.5	584.5
37.5°	691.7	691.8	689.7	689.5	689.7	691.8	691.7	685.8	671.3	653.4	633.6
35°	754.3	756.6	756.2	753.8	756.2	756.6	754.3	747.3	733.8	715.0	689.3
32.5°	848.3	862.6	870.2	867.0	870.2	862.6	848.3	829.6	803.3	777.2	751.9
30°	1036.0	1073.0	1092.6	1101.1	1092.6	1073.0	1036.0	993.0	924.5	876.6	832.1
27.5°	1450.5	1532.2	1569.0	1582.2	1569.0	1532.2	1450.5	1334.6	1172.8	1077.6	958.2
25°	2313.8	2498.5	2589.6	2618.9	2589.6	2498.5	2313.8	2024.8	1693.9	1475.9	1194.7
22.5°	4137.4	4493.0	4736.3	4790.2	4736.3	4493.0	4137.4	3451.5	2828.7	2268.8	1701.8
20°	7418.4	8106.3	8479.5	8445.9	8479.5	8106.3	7418.4	6236.2	5060.3	3659.2	2675.2
17.5°	11986.3	12868.4	13288.3	13092.1	13288.3	12868.4	11986.3	10385.4	8502.2	6243.8	4188.6
15°	17571.5	18763.3	19283.1	19443.9	19283.1	18763.3	17571.5	15621.0	12863.1	9771.0	6317.9
12.5°	24441.1	28348.1	30216.5	30717.1	30216.5	28348.1	24441.1	20957.1	17466.9	13130.5	8913.6
10°	34242.3	47375.2	55186.8	57094.3	55186.8	47375.2	34242.3	27788.7	21479.3	16208.8	11131.4
7.5°	55920.5	82607.8	112503.7	126660.6	112503.7	82607.8	55920.5	35777.0	26137.1	18942.1	13111.6
5°	85278.7	148008.0	217226.0	244360.7	217226.0	148008.0	85278.7	51543.5	31704.1	21300.7	14611.9
2.5°	120968.4	223480.7	319123.0	354776.5	319123.0	223480.7	120968.4	62465.7	35631.3	22735.6	15471.0
0°	136046.9	257648.3	351604.5	382145.4	351604.5	257648.3	136046.9	65967.2	35983.3	23220.5	15716.2
-2.5°	120968.4	223480.7	319123.0	354776.5	319123.0	223480.7	120968.4	62465.7	35631.3	22735.6	15471.0
-5°	85278.7	148008.0	217226.0	244360.7	217226.0	148008.0	85278.7	51543.5	31704.1	21300.7	14611.9
-7.5°	55920.5	82607.8	112503.7	126660.6	112503.7	82607.8	55920.5	35777.0	26137.1	18942.1	13111.6
-10°	34242.3	47375.2	55186.8	57094.3	55186.8	47375.2	34242.3	27788.7	21479.3	16208.8	11131.4
-12.5°	24441.1	28348.1	30216.5	30717.1	30216.5	28348.1	24441.1	20957.1	17466.9	13130.5	8913.6
-15°	17571.5	18763.3	19283.1	19443.9	19283.1	18763.3	17571.5	15621.0	12863.1	9771.0	6317.9
-17.5°	11986.3	12868.4	13288.3	13092.1	13288.3	12868.4	11986.3	10385.4	8502.2	6243.8	4188.6
-20°	7418.4	8106.3	8479.5	8445.9	8479.5	8106.3	7418.4	6236.2	5060.3	3659.2	2675.2



REPORT NUMBER: P559096 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	4137.4	4493.0	4736.3	4790.2	4736.3	4493.0	4137.4	3451.5	2828.7	2268.8	1701.8
-25°	2313.8	2498.5	2589.6	2618.9	2589.6	2498.5	2313.8	2024.8	1693.9	1475.9	1194.7
-27.5°	1450.5	1532.2	1569.0	1582.2	1569.0	1532.2	1450.5	1334.6	1172.8	1077.6	958.2
-30°	1036.0	1073.0	1092.6	1101.1	1092.6	1073.0	1036.0	993.0	924.5	876.6	832.1
-32.5°	848.3	862.6	870.2	867.0	870.2	862.6	848.3	829.6	803.3	777.2	751.9
-35°	754.3	756.6	756.2	753.8	756.2	756.6	754.3	747.3	733.8	715.0	689.3
-37.5°	691.7	691.8	689.7	689.5	689.7	691.8	691.7	685.8	671.3	653.4	633.6
-40°	625.4	625.1	623.0	622.6	623.0	625.1	625.4	621.1	610.4	598.5	584.5
-42.5°	564.8	565.2	564.9	566.0	564.9	565.2	564.8	561.5	555.7	547.2	539.2
-45°	520.6	519.7	519.2	519.7	519.2	519.7	520.6	520.1	518.9	516.4	512.8
-47.5°	497.7	496.6	496.2	496.5	496.2	496.6	497.7	498.1	498.2	497.5	495.9
-50°	483.3	481.7	480.9	481.1	480.9	481.7	483.3	484.4	484.9	484.7	483.8
-52.5°	474.3	473.5	472.3	470.8	472.3	473.5	474.3	474.7	474.6	474.3	473.7
-55°	465.3	465.3	464.5	463.1	464.5	465.3	465.3	465.0	464.4	463.8	462.6
-57.5°	455.2	455.2	455.3	455.4	455.3	455.2	455.2	454.6	453.5	451.9	449.8
-60°	445.3	446.9	447.5	447.6	447.5	446.9	445.3	443.2	440.5	437.6	434.1
-62.5°	431.9	435.5	437.0	437.3	437.0	435.5	431.9	428.0	423.7	419.1	413.9
-65°	404.8	407.3	407.5	406.5	407.5	407.3	404.8	401.7	398.2	393.4	387.3
-67.5°	367.8	369.0	368.9	367.9	368.9	369.0	367.8	365.9	363.3	359.1	353.0
-70°	324.7	325.3	327.5	329.3	327.5	325.3	324.7	323.3	320.9	316.9	310.6
-72.5°	275.3	276.4	278.7	280.4	278.7	276.4	275.3	273.4	270.7	267.0	262.1
-75°	223.7	225.2	226.1	226.4	226.1	225.2	223.7	221.5	218.6	215.2	211.9
-77.5°	171.9	173.8	174.6	174.9	174.6	173.8	171.9	169.5	166.7	163.6	161.0
-80°	119.4	120.2	120.7	120.9	120.7	120.2	119.4	118.2	116.7	114.9	113.3
-82.5°	76.3	76.8	77.1	77.2	77.1	76.8	76.3	75.7	74.8	73.8	72.5
-85°	43.2	43.5	43.6	43.7	43.6	43.5	43.2	42.8	42.4	41.8	41.1
-87.5°	15.3	15.3	15.4	15.4	15.4	15.3	15.3	15.2	15.0	14.9	14.7
-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: P559096 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	14.5	14.2	14.0	14.2	14.5	14.6	14.7	14.3	13.8	13.3	12.7
85°	40.3	39.4	38.4	36.9	35.5	34.1	32.8	31.2	29.6	28.1	26.5
82.5°	71.1	69.5	67.7	65.6	63.1	60.5	57.6	54.3	50.9	47.1	43.2
80°	111.3	108.9	106.0	102.4	98.5	94.3	89.8	85.2	80.0	75.0	70.4
77.5°	158.0	154.5	150.6	145.8	140.5	134.6	128.4	123.0	117.4	111.2	104.0
75°	207.9	203.3	198.2	192.5	186.2	179.4	171.9	163.9	155.8	147.7	139.1
72.5°	256.7	251.0	245.2	239.1	232.4	224.5	215.5	205.6	195.2	184.2	173.1
70°	303.7	296.2	288.9	281.8	274.2	265.8	256.6	246.4	235.3	223.0	209.3
67.5°	346.2	338.8	331.1	322.7	313.2	303.7	294.3	284.6	273.1	260.1	244.8
65°	380.9	374.1	367.6	358.7	349.0	338.7	328.3	317.2	305.6	293.7	279.2
62.5°	408.0	401.4	394.9	387.2	379.0	370.3	360.0	347.8	335.3	322.4	307.4
60°	429.7	424.5	417.9	410.9	403.3	394.8	384.3	373.8	363.2	348.9	334.0
57.5°	447.0	442.6	436.3	430.0	423.7	415.1	405.2	394.8	383.2	371.8	358.9
55°	460.8	456.8	451.5	445.3	438.3	431.1	423.1	413.3	402.0	391.2	378.2
52.5°	472.7	468.7	464.2	459.3	452.7	445.4	437.5	428.5	419.3	408.2	396.1
50°	482.3	478.9	474.8	469.8	464.2	458.4	450.8	442.1	433.7	423.7	412.0
47.5°	493.7	489.9	485.2	480.2	474.4	467.9	461.4	455.0	446.7	437.8	426.2
45°	509.3	504.0	497.8	492.0	485.3	478.5	470.7	464.7	458.3	449.5	439.8
42.5°	531.5	522.8	514.8	506.3	497.1	489.5	481.8	474.7	467.9	460.1	450.1
40°	566.2	547.8	536.6	524.1	513.0	501.4	493.1	484.5	477.1	469.6	459.7
37.5°	610.8	587.7	566.6	546.3	532.0	518.0	505.8	495.7	485.6	477.6	468.0
35°	659.0	631.3	605.3	579.5	554.1	536.9	520.6	507.8	496.1	485.1	475.6
32.5°	718.1	684.5	650.9	619.2	586.7	559.2	538.7	520.7	506.2	493.8	482.8
30°	785.3	743.2	703.0	663.4	623.9	588.3	558.7	535.9	517.1	502.1	490.0
27.5°	877.8	804.5	756.6	708.9	662.2	620.3	584.2	552.3	528.6	511.1	497.0
25°	1036.0	901.7	816.0	757.7	703.6	653.7	611.5	574.0	543.0	519.9	502.2
22.5°	1294.3	1064.6	902.8	808.9	746.7	691.6	641.9	596.8	556.2	528.3	508.3
20°	1794.2	1296.8	1040.9	881.2	787.2	726.9	671.8	620.8	573.8	537.4	513.6
17.5°	2679.5	1716.2	1201.5	962.5	835.3	758.7	700.3	642.8	590.2	544.9	517.7
15°	3749.5	2295.0	1493.4	1089.6	888.1	784.9	725.2	662.8	606.1	555.0	523.4
12.5°	5266.5	2933.4	1746.8	1192.2	945.3	817.0	746.3	682.5	620.9	565.7	528.1
10°	6531.0	3693.2	2149.5	1382.0	1021.8	851.1	761.6	694.3	629.2	573.3	531.2
7.5°	8117.1	4539.1	2508.6	1522.9	1079.8	875.5	770.9	700.6	633.7	578.0	532.9
5°	9118.6	5098.3	2748.6	1629.0	1122.7	892.0	777.6	703.0	634.5	580.0	533.1
2.5°	9823.4	5385.9	2857.9	1687.2	1147.1	899.3	780.8	704.7	637.6	581.7	535.9
0°	9940.6	5605.7	2873.6	1700.5	1150.0	895.3	779.5	704.9	640.6	581.4	537.7
-2.5°	9823.4	5385.9	2857.9	1687.2	1147.1	899.3	780.8	704.7	637.6	581.7	535.9
-5°	9118.6	5098.3	2748.6	1629.0	1122.7	892.0	777.6	703.0	634.5	580.0	533.1
-7.5°	8117.1	4539.1	2508.6	1522.9	1079.8	875.5	770.9	700.6	633.7	578.0	532.9
-10°	6531.0	3693.2	2149.5	1382.0	1021.8	851.1	761.6	694.3	629.2	573.3	531.2
-12.5°	5266.5	2933.4	1746.8	1192.2	945.3	817.0	746.3	682.5	620.9	565.7	528.1
-15°	3749.5	2295.0	1493.4	1089.6	888.1	784.9	725.2	662.8	606.1	555.0	523.4
-17.5°	2679.5	1716.2	1201.5	962.5	835.3	758.7	700.3	642.8	590.2	544.9	517.7
-20°	1794.2	1296.8	1040.9	881.2	787.2	726.9	671.8	620.8	573.8	537.4	513.6



REPORT NUMBER: P559096 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	1294.3	1064.6	902.8	808.9	746.7	691.6	641.9	596.8	556.2	528.3	508.3
-25°	1036.0	901.7	816.0	757.7	703.6	653.7	611.5	574.0	543.0	519.9	502.2
-27.5°	877.8	804.5	756.6	708.9	662.2	620.3	584.2	552.3	528.6	511.1	497.0
-30°	785.3	743.2	703.0	663.4	623.9	588.3	558.7	535.9	517.1	502.1	490.0
-32.5°	718.1	684.5	650.9	619.2	586.7	559.2	538.7	520.7	506.2	493.8	482.8
-35°	659.0	631.3	605.3	579.5	554.1	536.9	520.6	507.8	496.1	485.1	475.6
-37.5°	610.8	587.7	566.6	546.3	532.0	518.0	505.8	495.7	485.6	477.6	468.0
-40°	566.2	547.8	536.6	524.1	513.0	501.4	493.1	484.5	477.1	469.6	459.7
-42.5°	531.5	522.8	514.8	506.3	497.1	489.5	481.8	474.7	467.9	460.1	450.1
-45°	509.3	504.0	497.8	492.0	485.3	478.5	470.7	464.7	458.3	449.5	439.8
-47.5°	493.7	489.9	485.2	480.2	474.4	467.9	461.4	455.0	446.7	437.8	426.2
-50°	482.3	478.9	474.8	469.8	464.2	458.4	450.8	442.1	433.7	423.7	412.0
-52.5°	472.7	468.7	464.2	459.3	452.7	445.4	437.5	428.5	419.3	408.2	396.1
-55°	460.8	456.8	451.5	445.3	438.3	431.1	423.1	413.3	402.0	391.2	378.2
-57.5°	447.0	442.6	436.3	430.0	423.7	415.1	405.2	394.8	383.2	371.8	358.9
-60°	429.7	424.5	417.9	410.9	403.3	394.8	384.3	373.8	363.2	348.9	334.0
-62.5°	408.0	401.4	394.9	387.2	379.0	370.3	360.0	347.8	335.3	322.4	307.4
-65°	380.9	374.1	367.6	358.7	349.0	338.7	328.3	317.2	305.6	293.7	279.2
-67.5°	346.2	338.8	331.1	322.7	313.2	303.7	294.3	284.6	273.1	260.1	244.8
-70°	303.7	296.2	288.9	281.8	274.2	265.8	256.6	246.4	235.3	223.0	209.3
-72.5°	256.7	251.0	245.2	239.1	232.4	224.5	215.5	205.6	195.2	184.2	173.1
-75°	207.9	203.3	198.2	192.5	186.2	179.4	171.9	163.9	155.8	147.7	139.1
-77.5°	158.0	154.5	150.6	145.8	140.5	134.6	128.4	123.0	117.4	111.2	104.0
-80°	111.3	108.9	106.0	102.4	98.5	94.3	89.8	85.2	80.0	75.0	70.4
-82.5°	71.1	69.5	67.7	65.6	63.1	60.5	57.6	54.3	50.9	47.1	43.2
-85°	40.3	39.4	38.4	36.9	35.5	34.1	32.8	31.2	29.6	28.1	26.5
-87.5°	14.5	14.2	14.0	14.2	14.5	14.6	14.7	14.3	13.8	13.3	12.7
-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: P559096 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-940-U-TS-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°	12.2	11.6	11.0	10.3	9.7	9.0	8.3	7.6	6.9	6.2	5.4
85°	25.5	24.2	22.9	21.4	19.8	18.0	16.6	15.2	13.8	12.3	10.8
82.5°	40.2	38.3	36.6	34.7	33.0	30.8	28.4	25.5	22.0	18.6	16.2
80°	66.2	61.8	57.2	52.4	47.8	43.7	40.8	37.3	32.4	27.7	23.2
77.5°	96.1	88.3	80.7	74.0	67.1	60.7	54.8	49.2	42.8	36.8	30.9
75°	129.1	118.9	108.9	98.8	88.1	77.4	69.4	62.0	54.2	45.9	38.6
72.5°	162.0	150.1	137.6	124.5	112.1	99.4	86.5	74.7	65.9	56.5	46.6
70°	195.3	181.5	167.6	152.5	136.9	121.6	106.9	92.0	77.6	67.0	56.1
67.5°	228.7	212.5	196.6	180.0	162.4	144.8	127.2	110.0	93.5	77.6	65.4
65°	261.5	243.2	224.6	206.5	187.5	167.8	148.1	128.1	109.0	91.1	74.6
62.5°	291.5	273.8	253.5	232.9	212.2	190.7	168.6	146.7	124.5	104.2	85.2
60°	318.1	300.0	281.4	259.7	236.8	213.5	189.5	164.9	140.9	117.0	96.1
57.5°	342.1	324.8	305.5	284.8	261.3	236.1	210.1	183.4	157.0	130.9	106.8
55°	364.3	346.8	328.3	307.3	284.2	258.2	230.3	201.7	172.8	144.8	117.2
52.5°	382.3	366.9	348.7	328.3	304.9	279.3	250.1	219.5	188.9	158.3	129.0
50°	398.6	384.1	367.1	346.8	324.8	298.1	269.6	237.2	204.4	171.6	140.5
47.5°	413.5	399.5	383.2	364.1	341.4	316.3	286.8	254.4	219.4	184.9	151.6
45°	426.7	413.1	397.8	379.1	357.6	332.0	302.9	271.2	234.4	197.9	162.3
42.5°	438.8	425.0	410.1	393.7	371.4	346.5	318.4	285.5	248.9	210.3	172.8
40°	448.3	435.6	421.5	404.5	384.3	360.5	331.4	298.9	262.9	222.3	183.1
37.5°	457.3	444.7	430.7	414.9	396.0	371.8	343.8	311.6	275.5	233.9	192.9
35°	464.7	452.7	438.9	423.5	405.0	382.6	355.7	323.2	286.1	244.9	202.2
32.5°	471.8	459.7	445.7	430.4	413.6	392.8	365.8	333.0	296.1	255.1	210.9
30°	478.2	465.2	452.0	436.8	421.0	400.4	374.3	342.2	305.4	264.6	219.1
27.5°	483.5	470.0	457.5	442.3	426.4	407.2	382.1	350.7	314.0	272.9	226.8
25°	488.4	474.5	461.5	447.2	431.1	413.5	389.4	358.5	321.2	279.8	233.8
22.5°	492.8	478.5	464.8	451.8	435.3	419.4	395.3	364.4	327.5	286.1	240.1
20°	496.7	482.1	467.5	455.2	438.9	422.9	400.0	369.7	333.2	291.8	245.7
17.5°	500.1	485.1	470.2	457.2	441.9	425.9	404.3	374.4	338.1	296.7	250.6
15°	503.2	487.5	472.6	458.8	444.3	428.3	408.1	378.6	342.3	301.0	254.8
12.5°	505.8	489.0	474.4	460.1	446.1	430.3	411.4	382.2	345.8	304.5	258.3
10°	507.9	489.9	475.7	461.0	447.4	431.8	414.2	385.0	348.6	307.3	261.1
7.5°	509.3	490.2	476.6	461.4	448.3	433.0	415.9	387.0	350.7	309.4	263.1
5°	510.6	490.8	477.5	462.3	449.3	434.0	416.8	388.2	352.0	310.8	264.5
2.5°	512.9	492.6	478.2	462.9	450.0	434.6	417.1	388.7	352.6	311.4	265.1
0°	514.5	493.9	478.5	463.1	450.2	434.8	416.8	388.5	352.4	311.3	265.0
-2.5°	512.9	492.6	478.2	462.9	450.0	434.6	417.1	388.7	352.6	311.4	265.1
-5°	510.6	490.8	477.5	462.3	449.3	434.0	416.8	388.2	352.0	310.8	264.5
-7.5°	509.3	490.2	476.6	461.4	448.3	433.0	415.9	387.0	350.7	309.4	263.1
-10°	507.9	489.9	475.7	461.0	447.4	431.8	414.2	385.0	348.6	307.3	261.1
-12.5°	505.8	489.0	474.4	460.1	446.1	430.3	411.4	382.2	345.8	304.5	258.3
-15°	503.2	487.5	472.6	458.8	444.3	428.3	408.1	378.6	342.3	301.0	254.8
-17.5°	500.1	485.1	470.2	457.2	441.9	425.9	404.3	374.4	338.1	296.7	250.6
-20°	496.7	482.1	467.5	455.2	438.9	422.9	400.0	369.7	333.2	291.8	245.7



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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°	492.8	478.5	464.8	451.8	435.3	419.4	395.3	364.4	327.5	286.1	240.1
-25°	488.4	474.5	461.5	447.2	431.1	413.5	389.4	358.5	321.2	279.8	233.8
-27.5°	483.5	470.0	457.5	442.3	426.4	407.2	382.1	350.7	314.0	272.9	226.8
-30°	478.2	465.2	452.0	436.8	421.0	400.4	374.3	342.2	305.4	264.6	219.1
-32.5°	471.8	459.7	445.7	430.4	413.6	392.8	365.8	333.0	296.1	255.1	210.9
-35°	464.7	452.7	438.9	423.5	405.0	382.6	355.7	323.2	286.1	244.9	202.2
-37.5°	457.3	444.7	430.7	414.9	396.0	371.8	343.8	311.6	275.5	233.9	192.9
-40°	448.3	435.6	421.5	404.5	384.3	360.5	331.4	298.9	262.9	222.3	183.1
-42.5°	438.8	425.0	410.1	393.7	371.4	346.5	318.4	285.5	248.9	210.3	172.8
-45°	426.7	413.1	397.8	379.1	357.6	332.0	302.9	271.2	234.4	197.9	162.3
-47.5°	413.5	399.5	383.2	364.1	341.4	316.3	286.8	254.4	219.4	184.9	151.6
-50°	398.6	384.1	367.1	346.8	324.8	298.1	269.6	237.2	204.4	171.6	140.5
-52.5°	382.3	366.9	348.7	328.3	304.9	279.3	250.1	219.5	188.9	158.3	129.0
-55°	364.3	346.8	328.3	307.3	284.2	258.2	230.3	201.7	172.8	144.8	117.2
-57.5°	342.1	324.8	305.5	284.8	261.3	236.1	210.1	183.4	157.0	130.9	106.8
-60°	318.1	300.0	281.4	259.7	236.8	213.5	189.5	164.9	140.9	117.0	96.1
-62.5°	291.5	273.8	253.5	232.9	212.2	190.7	168.6	146.7	124.5	104.2	85.2
-65°	261.5	243.2	224.6	206.5	187.5	167.8	148.1	128.1	109.0	91.1	74.6
-67.5°	228.7	212.5	196.6	180.0	162.4	144.8	127.2	110.0	93.5	77.6	65.4
-70°	195.3	181.5	167.6	152.5	136.9	121.6	106.9	92.0	77.6	67.0	56.1
-72.5°	162.0	150.1	137.6	124.5	112.1	99.4	86.5	74.7	65.9	56.5	46.6
-75°	129.1	118.9	108.9	98.8	88.1	77.4	69.4	62.0	54.2	45.9	38.6
-77.5°	96.1	88.3	80.7	74.0	67.1	60.7	54.8	49.2	42.8	36.8	30.9
-80°	66.2	61.8	57.2	52.4	47.8	43.7	40.8	37.3	32.4	27.7	23.2
-82.5°	40.2	38.3	36.6	34.7	33.0	30.8	28.4	25.5	22.0	18.6	16.2
-85°	25.5	24.2	22.9	21.4	19.8	18.0	16.6	15.2	13.8	12.3	10.8
-87.5°	12.2	11.6	11.0	10.3	9.7	9.0	8.3	7.6	6.9	6.2	5.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	4.0	3.4	2.6	1.8	0.9	0.0
85°	9.3	8.1	6.7	5.2	3.6	1.8	0.0
82.5°	14.0	12.1	10.0	7.8	5.4	2.7	0.0
80°	18.8	16.1	13.4	10.4	7.1	3.6	0.0
77.5°	25.4	20.6	16.7	12.9	8.9	4.5	0.0
75°	31.9	26.1	20.2	15.5	10.7	5.3	0.0
72.5°	38.4	31.5	24.5	18.0	12.4	6.2	0.0
70°	45.0	36.8	28.8	20.7	14.1	7.0	0.0
67.5°	53.1	42.0	33.0	23.8	15.7	7.9	0.0
65°	61.0	47.9	37.1	26.9	17.4	8.7	0.0
62.5°	68.8	54.3	41.2	30.0	19.0	9.5	0.0
60°	76.3	60.5	45.1	33.0	20.6	10.3	0.0
57.5°	85.3	66.6	49.9	35.9	22.5	11.1	0.0
55°	94.3	72.4	54.6	38.7	24.4	11.8	0.0
52.5°	102.9	78.4	59.1	41.5	26.2	12.5	0.0
50°	111.3	85.4	63.4	44.2	27.9	13.2	0.0
47.5°	119.6	92.1	67.6	46.9	29.6	13.9	0.0
45°	128.7	98.6	71.6	49.9	31.2	14.6	0.0
42.5°	137.4	104.9	75.4	52.7	32.8	15.2	0.0
40°	145.6	110.8	79.6	55.4	34.3	15.8	0.0
37.5°	153.4	116.4	84.1	57.9	35.7	16.3	0.0
35°	160.7	122.3	88.3	60.2	37.0	16.9	0.0
32.5°	167.7	128.0	92.3	62.4	38.2	17.4	0.0
30°	174.6	133.3	96.1	64.3	39.4	17.8	0.0
27.5°	181.0	138.2	99.5	66.2	40.5	18.3	0.0
25°	186.9	142.7	102.6	67.8	41.5	18.7	0.0
22.5°	192.3	146.7	105.5	69.3	42.4	19.0	0.0
20°	197.1	150.4	108.1	70.5	43.2	19.4	0.0
17.5°	201.5	153.7	110.4	71.7	43.9	19.6	0.0
15°	205.3	156.6	112.5	72.6	44.5	19.9	0.0
12.5°	208.6	159.0	114.2	73.4	45.1	20.1	0.0
10°	211.3	161.0	115.7	74.0	45.5	20.3	0.0
7.5°	213.4	162.6	116.8	74.4	45.9	20.4	0.0
5°	214.9	163.7	117.6	74.6	46.1	20.5	0.0
2.5°	215.8	164.4	118.1	74.7	46.3	20.6	0.0
0°	216.1	164.6	118.3	74.6	46.3	20.6	0.0
-2.5°	215.8	164.4	118.1	74.7	46.3	20.6	0.0
-5°	214.9	163.7	117.6	74.6	46.1	20.5	0.0
-7.5°	213.4	162.6	116.8	74.4	45.9	20.4	0.0
-10°	211.3	161.0	115.7	74.0	45.5	20.3	0.0
-12.5°	208.6	159.0	114.2	73.4	45.1	20.1	0.0
-15°	205.3	156.6	112.5	72.6	44.5	19.9	0.0
-17.5°	201.5	153.7	110.4	71.7	43.9	19.6	0.0
-20°	197.1	150.4	108.1	70.5	43.2	19.4	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	192.3	146.7	105.5	69.3	42.4	19.0	0.0
-25°	186.9	142.7	102.6	67.8	41.5	18.7	0.0
-27.5°	181.0	138.2	99.5	66.2	40.5	18.3	0.0
-30°	174.6	133.3	96.1	64.3	39.4	17.8	0.0
-32.5°	167.7	128.0	92.3	62.4	38.2	17.4	0.0
-35°	160.7	122.3	88.3	60.2	37.0	16.9	0.0
-37.5°	153.4	116.4	84.1	57.9	35.7	16.3	0.0
-40°	145.6	110.8	79.6	55.4	34.3	15.8	0.0
-42.5°	137.4	104.9	75.4	52.7	32.8	15.2	0.0
-45°	128.7	98.6	71.6	49.9	31.2	14.6	0.0
-47.5°	119.6	92.1	67.6	46.9	29.6	13.9	0.0
-50°	111.3	85.4	63.4	44.2	27.9	13.2	0.0
-52.5°	102.9	78.4	59.1	41.5	26.2	12.5	0.0
-55°	94.3	72.4	54.6	38.7	24.4	11.8	0.0
-57.5°	85.3	66.6	49.9	35.9	22.5	11.1	0.0
-60°	76.3	60.5	45.1	33.0	20.6	10.3	0.0
-62.5°	68.8	54.3	41.2	30.0	19.0	9.5	0.0
-65°	61.0	47.9	37.1	26.9	17.4	8.7	0.0
-67.5°	53.1	42.0	33.0	23.8	15.7	7.9	0.0
-70°	45.0	36.8	28.8	20.7	14.1	7.0	0.0
-72.5°	38.4	31.5	24.5	18.0	12.4	6.2	0.0
-75°	31.9	26.1	20.2	15.5	10.7	5.3	0.0
-77.5°	25.4	20.6	16.7	12.9	8.9	4.5	0.0
-80°	18.8	16.1	13.4	10.4	7.1	3.6	0.0
-82.5°	14.0	12.1	10.0	7.8	5.4	2.7	0.0
-85°	9.3	8.1	6.7	5.2	3.6	1.8	0.0
-87.5°	4.7	4.0	3.4	2.6	1.8	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)