

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: P558968 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-940-U-TS-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558968 (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-SA4D-940-U-TS-XX
Description: GALLEON FLOOD, FOUR LIGHT SQUARE, TIGHT SPOT N2
Light Source: (64) 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

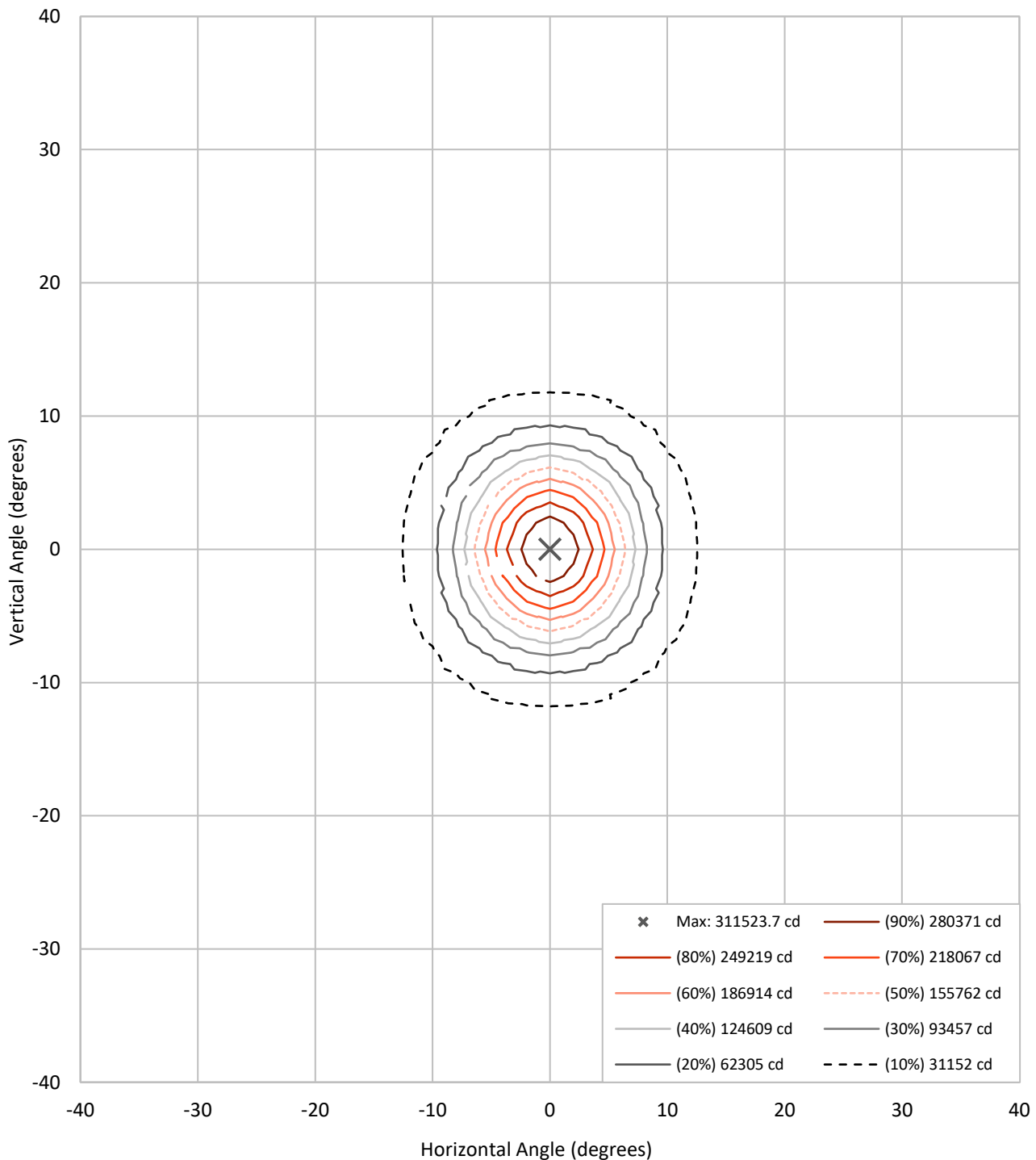
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	22581.4 lumens	Max Intensity:	311523.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	104.1 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	12.7°H x 12.3°V	Field Angle (10%):	24.6°H x 23.6°V
Beam Lumens:	7135.3 lumens	Field Lumens:	15807.2 lumens
Beam Efficiency:	31.6%	Field Efficiency:	70.0%

Input Watts (W): 217
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





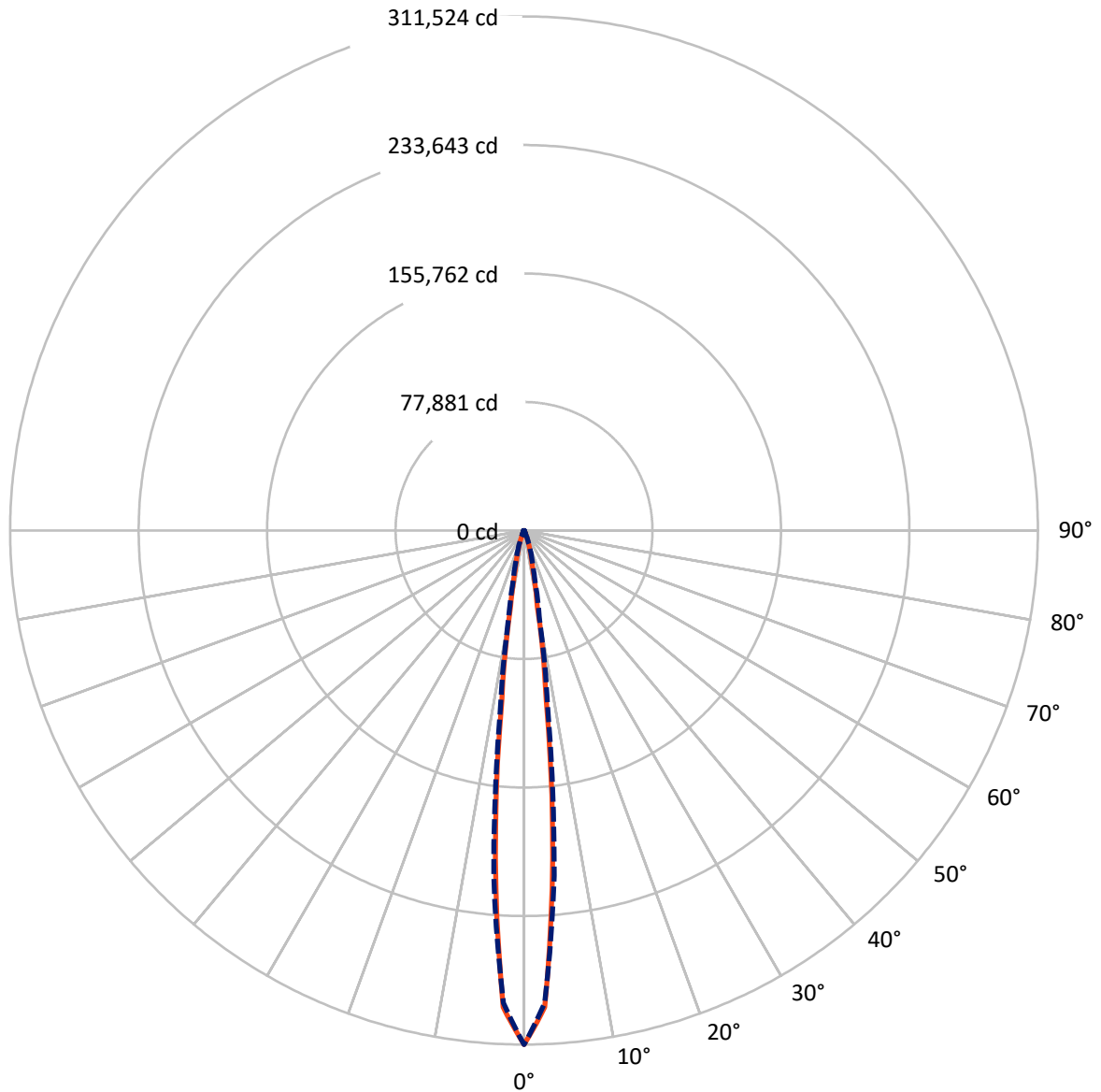
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Lumen Table

90	0.3	2.6		7.2		11.7		13.5		11.7		7.2		2.6		0.3			
80	0.3	2.6		7.2		11.7		13.5		11.7		7.2		2.6		0.3			
70	1.2	1.4	2.9	4.8	6.6	8.1	9.3	9.8	9.8	9.3	8.1	6.6	4.8	2.9	1.4	1.2			
60		2.1	4.4	6.6	8.5	10.1	11.1	11.5	11.5	11.1	10.1	8.5	6.6	4.4	2.1				
50	2.2	2.8	5.4	7.7	9.6	11.3	12.6	13.2	13.2	12.6	11.3	9.6	7.7	5.4	2.8	2.2			
40		3.4	6.0	8.3	10.7	13.8	17.2	19.4	19.4	17.2	13.8	10.7	8.3	6.0	3.4				
30	2.9	3.7	6.4	8.9	12.6	19.5	43.3	78.8	78.8	43.3	19.5	12.6	8.9	6.4	3.7	2.9			
20		3.9	6.5	9.4	14.9	41.9	236.8	520.9	520.9	236.8	41.9	14.9	9.4	6.5	3.9				
10	3.2	4.0	6.6	9.6	16.5	80.5	568.4	3677.1	3677.1	568.4	80.5	16.5	9.6	6.6	4.0	3.2			
0		4.0	6.6	9.6	16.5	80.5	568.4	3677.1	3677.1	568.4	80.5	16.5	9.6	6.6	4.0				
-10	2.9	3.9	6.5	9.4	14.9	41.9	236.8	520.9	520.9	236.8	41.9	14.9	9.4	6.5	3.9	2.9			
-20		3.7	6.4	8.9	12.6	19.5	43.3	78.8	78.8	43.3	19.5	12.6	8.9	6.4	3.7				
-30	2.2	3.4	6.0	8.3	10.7	13.8	17.2	19.4	19.4	17.2	13.8	10.7	8.3	6.0	3.4	2.2			
-40		2.8	5.4	7.7	9.6	11.3	12.6	13.2	13.2	12.6	11.3	9.6	7.7	5.4	2.8				
-50	1.2	2.1	4.4	6.6	8.5	10.1	11.1	11.5	11.5	11.1	10.1	8.5	6.6	4.4	2.1	1.2			
-60		1.4	2.9	4.8	6.6	8.1	9.3	9.8	9.8	9.3	8.1	6.6	4.8	2.9	1.4				
-70	0.3	2.6		7.2		11.7		13.5		11.7		7.2		2.6		0.3			
-80		2.6		7.2		11.7		13.5		11.7		7.2		2.6					
-90	0.3	2.6		7.2		11.7		13.5		11.7		7.2		2.6		0.3			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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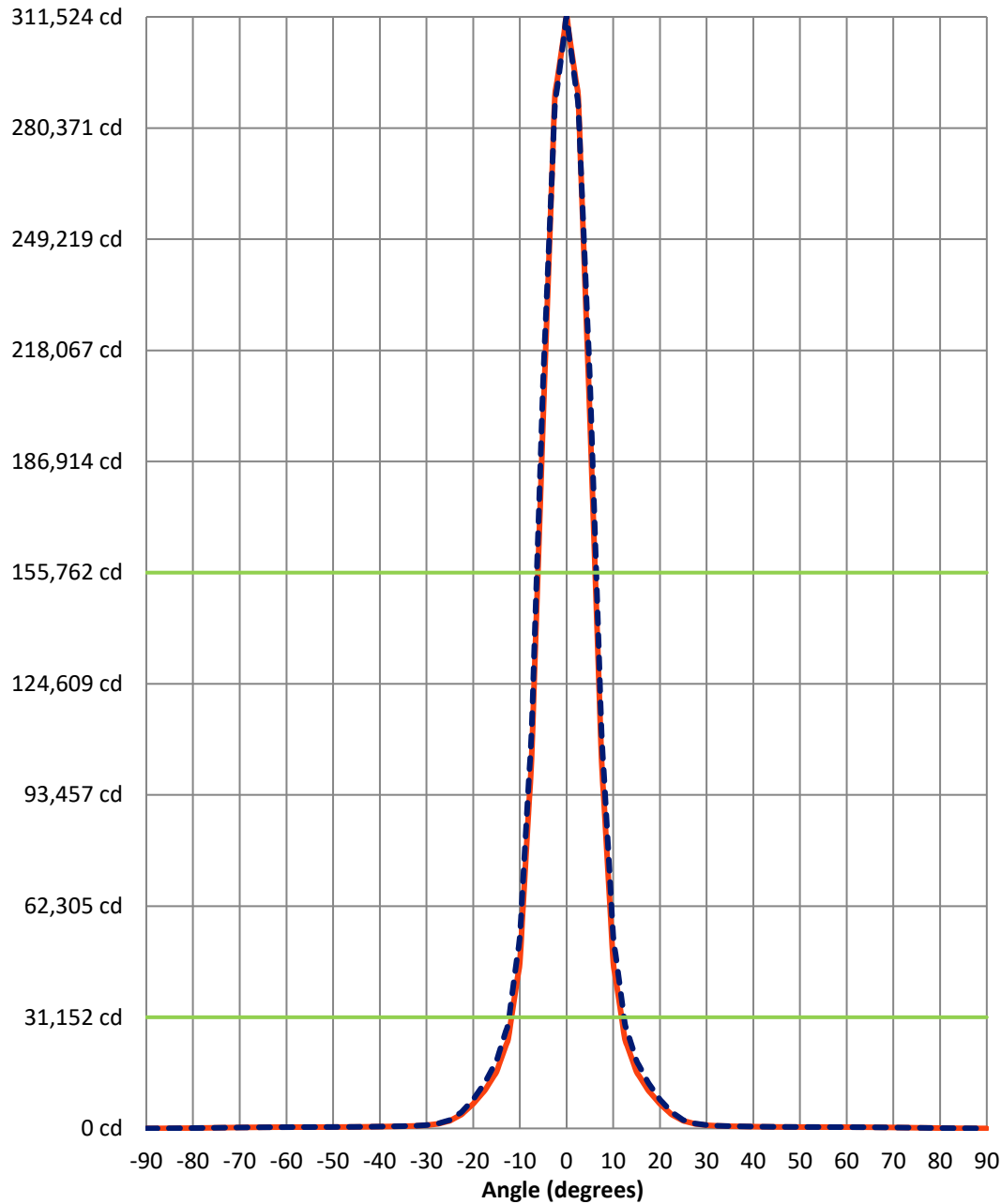
Luminous Intensity Polar Plot



— 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: 7135.3
 Efficiency: 31.6%

Field:
 H Angle: 24.6°
 V Angle: 23.6°
 Lumens: 15807.2
 Efficiency: 70.0%

Spill:
 Lumens: 6774.1
 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	0.7	1.5	2.1	2.7	3.3	3.8	4.4	5.0	5.6	6.2
85°	0.0	1.5	2.9	4.2	5.5	6.6	7.6	8.8	10.0	11.2	12.4
82.5°	0.0	2.2	4.4	6.4	8.2	9.9	11.4	13.2	15.2	18.0	20.8
80°	0.0	2.9	5.8	8.5	10.9	13.2	15.4	18.9	22.6	26.5	30.4
77.5°	0.0	3.6	7.3	10.6	13.6	16.8	20.7	25.3	30.0	34.9	40.1
75°	0.0	4.3	8.7	12.6	16.5	21.3	26.1	31.5	37.4	44.1	50.5
72.5°	0.0	5.1	10.1	14.7	20.0	25.7	31.3	38.1	46.1	53.7	60.9
70°	0.0	5.7	11.5	16.9	23.5	30.0	36.7	45.7	54.6	63.2	75.0
67.5°	0.0	6.4	12.8	19.4	26.9	34.3	43.3	53.3	63.2	76.2	89.7
65°	0.0	7.1	14.2	22.0	30.3	39.1	49.8	60.8	74.2	88.9	104.4
62.5°	0.0	7.8	15.5	24.4	33.6	44.3	56.1	69.4	85.0	101.5	119.6
60°	0.0	8.4	16.8	26.9	36.8	49.3	62.2	78.4	95.4	114.9	134.4
57.5°	0.0	9.0	18.3	29.2	40.7	54.2	69.5	87.1	106.7	128.0	149.5
55°	0.0	9.6	19.9	31.6	44.5	59.0	76.8	95.6	118.1	140.9	164.5
52.5°	0.0	10.2	21.3	33.8	48.1	63.9	83.9	105.2	129.1	154.0	179.0
50°	0.0	10.8	22.7	36.0	51.7	69.6	90.8	114.6	139.9	166.6	193.4
47.5°	0.0	11.3	24.1	38.2	55.1	75.1	97.6	123.6	150.8	178.9	207.4
45°	0.0	11.9	25.4	40.6	58.3	80.4	105.0	132.3	161.3	191.1	221.0
42.5°	0.0	12.4	26.7	43.0	61.4	85.5	112.0	140.9	171.4	202.9	232.7
40°	0.0	12.9	27.9	45.1	64.8	90.4	118.7	149.3	181.2	214.3	243.7
37.5°	0.0	13.3	29.0	47.1	68.5	95.0	125.0	157.3	190.7	224.6	254.1
35°	0.0	13.8	30.1	49.0	72.0	99.7	131.0	164.9	199.6	233.2	263.5
32.5°	0.0	14.2	31.1	50.8	75.3	104.4	136.7	172.0	208.0	241.4	271.5
30°	0.0	14.5	32.1	52.4	78.3	108.7	142.4	178.7	215.7	249.0	279.0
27.5°	0.0	14.9	33.0	53.9	81.1	112.7	147.6	184.9	222.4	256.0	285.9
25°	0.0	15.2	33.8	55.2	83.7	116.3	152.4	190.6	228.1	261.9	292.2
22.5°	0.0	15.5	34.5	56.4	86.0	119.6	156.8	195.7	233.2	267.0	297.0
20°	0.0	15.8	35.2	57.5	88.2	122.7	160.7	200.3	237.8	271.6	301.4
17.5°	0.0	16.0	35.8	58.4	90.1	125.3	164.3	204.3	241.9	275.6	305.3
15°	0.0	16.2	36.3	59.2	91.7	127.7	167.4	207.7	245.3	279.1	308.7
12.5°	0.0	16.4	36.7	59.8	93.2	129.7	170.1	210.5	248.2	281.9	311.6
10°	0.0	16.5	37.1	60.3	94.4	131.3	172.3	212.8	250.5	284.2	313.9
7.5°	0.0	16.7	37.3	60.6	95.3	132.6	174.0	214.5	252.2	285.9	315.5
5°	0.0	16.7	37.5	60.8	96.0	133.5	175.2	215.5	253.4	287.0	316.5
2.5°	0.0	16.8	37.7	60.9	96.4	134.0	176.0	216.1	253.9	287.4	316.9
0°	0.0	16.8	37.7	60.8	96.5	134.2	176.2	216.0	253.8	287.3	316.7
-2.5°	0.0	16.8	37.7	60.9	96.4	134.0	176.0	216.1	253.9	287.4	316.9
-5°	0.0	16.7	37.5	60.8	96.0	133.5	175.2	215.5	253.4	287.0	316.5
-7.5°	0.0	16.7	37.3	60.6	95.3	132.6	174.0	214.5	252.2	285.9	315.5
-10°	0.0	16.5	37.1	60.3	94.4	131.3	172.3	212.8	250.5	284.2	313.9
-12.5°	0.0	16.4	36.7	59.8	93.2	129.7	170.1	210.5	248.2	281.9	311.6
-15°	0.0	16.2	36.3	59.2	91.7	127.7	167.4	207.7	245.3	279.1	308.7
-17.5°	0.0	16.0	35.8	58.4	90.1	125.3	164.3	204.3	241.9	275.6	305.3
-20°	0.0	15.8	35.2	57.5	88.2	122.7	160.7	200.3	237.8	271.6	301.4



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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	15.5	34.5	56.4	86.0	119.6	156.8	195.7	233.2	267.0	297.0
-25°	0.0	15.2	33.8	55.2	83.7	116.3	152.4	190.6	228.1	261.9	292.2
-27.5°	0.0	14.9	33.0	53.9	81.1	112.7	147.6	184.9	222.4	256.0	285.9
-30°	0.0	14.5	32.1	52.4	78.3	108.7	142.4	178.7	215.7	249.0	279.0
-32.5°	0.0	14.2	31.1	50.8	75.3	104.4	136.7	172.0	208.0	241.4	271.5
-35°	0.0	13.8	30.1	49.0	72.0	99.7	131.0	164.9	199.6	233.2	263.5
-37.5°	0.0	13.3	29.0	47.1	68.5	95.0	125.0	157.3	190.7	224.6	254.1
-40°	0.0	12.9	27.9	45.1	64.8	90.4	118.7	149.3	181.2	214.3	243.7
-42.5°	0.0	12.4	26.7	43.0	61.4	85.5	112.0	140.9	171.4	202.9	232.7
-45°	0.0	11.9	25.4	40.6	58.3	80.4	105.0	132.3	161.3	191.1	221.0
-47.5°	0.0	11.3	24.1	38.2	55.1	75.1	97.6	123.6	150.8	178.9	207.4
-50°	0.0	10.8	22.7	36.0	51.7	69.6	90.8	114.6	139.9	166.6	193.4
-52.5°	0.0	10.2	21.3	33.8	48.1	63.9	83.9	105.2	129.1	154.0	179.0
-55°	0.0	9.6	19.9	31.6	44.5	59.0	76.8	95.6	118.1	140.9	164.5
-57.5°	0.0	9.0	18.3	29.2	40.7	54.2	69.5	87.1	106.7	128.0	149.5
-60°	0.0	8.4	16.8	26.9	36.8	49.3	62.2	78.4	95.4	114.9	134.4
-62.5°	0.0	7.8	15.5	24.4	33.6	44.3	56.1	69.4	85.0	101.5	119.6
-65°	0.0	7.1	14.2	22.0	30.3	39.1	49.8	60.8	74.2	88.9	104.4
-67.5°	0.0	6.4	12.8	19.4	26.9	34.3	43.3	53.3	63.2	76.2	89.7
-70°	0.0	5.7	11.5	16.9	23.5	30.0	36.7	45.7	54.6	63.2	75.0
-72.5°	0.0	5.1	10.1	14.7	20.0	25.7	31.3	38.1	46.1	53.7	60.9
-75°	0.0	4.3	8.7	12.6	16.5	21.3	26.1	31.5	37.4	44.1	50.5
-77.5°	0.0	3.6	7.3	10.6	13.6	16.8	20.7	25.3	30.0	34.9	40.1
-80°	0.0	2.9	5.8	8.5	10.9	13.2	15.4	18.9	22.6	26.5	30.4
-82.5°	0.0	2.2	4.4	6.4	8.2	9.9	11.4	13.2	15.2	18.0	20.8
-85°	0.0	1.5	2.9	4.2	5.5	6.6	7.6	8.8	10.0	11.2	12.4
-87.5°	0.0	0.7	1.5	2.1	2.7	3.3	3.8	4.4	5.0	5.6	6.2
-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°	6.8	7.3	7.9	8.4	8.9	9.4	9.9	10.4	10.8	11.3	11.7
85°	13.6	14.7	16.2	17.5	18.7	19.8	20.8	21.7	22.9	24.2	25.5
82.5°	23.1	25.2	26.9	28.3	29.9	31.3	32.8	35.3	38.4	41.5	44.3
80°	33.3	35.6	39.0	42.7	46.6	50.3	53.9	57.4	61.1	65.2	69.4
77.5°	44.7	49.4	54.7	60.3	65.7	72.0	78.3	84.8	90.6	95.8	100.3
75°	56.6	63.1	71.8	80.5	88.7	97.0	105.3	113.4	120.5	127.0	133.6
72.5°	70.5	81.1	91.4	101.5	112.2	122.4	132.1	141.1	150.1	159.1	167.6
70°	87.1	99.1	111.6	124.3	136.6	148.0	159.2	170.6	181.8	191.8	200.8
67.5°	103.7	118.0	132.4	146.7	160.3	173.3	186.5	199.5	212.0	222.6	232.0
65°	120.7	136.7	152.8	168.3	183.1	198.3	213.2	227.6	239.4	249.1	258.5
62.5°	137.4	155.5	173.0	189.9	206.7	223.3	237.6	250.6	262.7	273.3	283.5
60°	154.4	174.1	193.1	211.7	229.4	244.6	259.2	272.2	284.4	296.1	304.7
57.5°	171.3	192.5	213.0	232.1	249.0	264.7	278.8	292.5	303.1	312.4	321.9
55°	187.8	210.5	231.6	250.5	267.6	282.7	297.0	308.4	318.9	327.7	336.9
52.5°	203.9	227.6	248.5	267.6	284.2	299.1	311.7	323.0	332.7	341.7	349.3
50°	219.7	243.0	264.7	282.7	299.2	313.2	325.0	335.8	345.3	353.6	360.4
47.5°	233.8	257.8	278.3	296.8	312.4	325.7	337.0	347.4	356.9	364.1	370.9
45°	246.9	270.6	291.4	309.0	324.3	336.7	347.8	358.5	366.4	373.6	378.8
42.5°	259.5	282.4	302.7	321.0	334.3	346.4	357.7	367.0	375.1	381.4	387.0
40°	270.2	293.8	313.3	329.8	343.6	355.1	365.5	374.8	382.8	389.0	395.0
37.5°	280.3	303.1	322.8	338.2	351.1	362.5	372.8	381.5	389.3	395.9	404.1
35°	289.9	311.9	330.2	345.2	357.8	369.0	378.9	387.7	395.5	404.5	414.0
32.5°	298.2	320.3	337.2	350.9	363.3	374.8	384.6	393.6	402.6	412.7	424.4
30°	305.2	326.4	343.2	356.1	368.4	379.3	389.8	399.5	409.4	421.5	436.9
27.5°	311.5	332.0	347.6	360.5	373.0	383.2	394.2	405.2	416.7	430.9	450.2
25°	317.4	337.1	351.5	364.6	376.2	386.8	398.2	409.5	423.8	442.6	467.9
22.5°	322.3	341.9	354.9	368.3	378.9	390.1	401.8	414.4	430.6	453.4	486.5
20°	326.1	344.7	357.8	371.0	381.1	393.0	404.9	418.6	438.1	467.7	506.0
17.5°	329.6	347.1	360.2	372.7	383.3	395.5	407.7	422.0	444.2	481.1	524.0
15°	332.7	349.2	362.2	374.0	385.2	397.4	410.3	426.6	452.4	494.0	540.3
12.5°	335.4	350.8	363.7	375.0	386.7	398.7	412.3	430.5	461.1	506.1	556.4
10°	337.6	352.0	364.7	375.8	387.8	399.4	414.0	433.0	467.4	512.9	566.0
7.5°	339.0	352.9	365.4	376.2	388.5	399.6	415.1	434.4	471.2	516.6	571.1
5°	339.7	353.7	366.3	376.9	389.3	400.2	416.1	434.6	472.8	517.2	573.1
2.5°	340.0	354.2	366.8	377.3	389.9	401.6	418.1	436.8	474.2	519.8	574.4
0°	339.7	354.4	367.0	377.5	390.1	402.7	419.4	438.3	474.0	522.2	574.6
-2.5°	340.0	354.2	366.8	377.3	389.9	401.6	418.1	436.8	474.2	519.8	574.4
-5°	339.7	353.7	366.3	376.9	389.3	400.2	416.1	434.6	472.8	517.2	573.1
-7.5°	339.0	352.9	365.4	376.2	388.5	399.6	415.1	434.4	471.2	516.6	571.1
-10°	337.6	352.0	364.7	375.8	387.8	399.4	414.0	433.0	467.4	512.9	566.0
-12.5°	335.4	350.8	363.7	375.0	386.7	398.7	412.3	430.5	461.1	506.1	556.4
-15°	332.7	349.2	362.2	374.0	385.2	397.4	410.3	426.6	452.4	494.0	540.3
-17.5°	329.6	347.1	360.2	372.7	383.3	395.5	407.7	422.0	444.2	481.1	524.0
-20°	326.1	344.7	357.8	371.0	381.1	393.0	404.9	418.6	438.1	467.7	506.0



REPORT NUMBER: P558968 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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°	322.3	341.9	354.9	368.3	378.9	390.1	401.8	414.4	430.6	453.4	486.5
-25°	317.4	337.1	351.5	364.6	376.2	386.8	398.2	409.5	423.8	442.6	467.9
-27.5°	311.5	332.0	347.6	360.5	373.0	383.2	394.2	405.2	416.7	430.9	450.2
-30°	305.2	326.4	343.2	356.1	368.4	379.3	389.8	399.5	409.4	421.5	436.9
-32.5°	298.2	320.3	337.2	350.9	363.3	374.8	384.6	393.6	402.6	412.7	424.4
-35°	289.9	311.9	330.2	345.2	357.8	369.0	378.9	387.7	395.5	404.5	414.0
-37.5°	280.3	303.1	322.8	338.2	351.1	362.5	372.8	381.5	389.3	395.9	404.1
-40°	270.2	293.8	313.3	329.8	343.6	355.1	365.5	374.8	382.8	389.0	395.0
-42.5°	259.5	282.4	302.7	321.0	334.3	346.4	357.7	367.0	375.1	381.4	387.0
-45°	246.9	270.6	291.4	309.0	324.3	336.7	347.8	358.5	366.4	373.6	378.8
-47.5°	233.8	257.8	278.3	296.8	312.4	325.7	337.0	347.4	356.9	364.1	370.9
-50°	219.7	243.0	264.7	282.7	299.2	313.2	325.0	335.8	345.3	353.6	360.4
-52.5°	203.9	227.6	248.5	267.6	284.2	299.1	311.7	323.0	332.7	341.7	349.3
-55°	187.8	210.5	231.6	250.5	267.6	282.7	297.0	308.4	318.9	327.7	336.9
-57.5°	171.3	192.5	213.0	232.1	249.0	264.7	278.8	292.5	303.1	312.4	321.9
-60°	154.4	174.1	193.1	211.7	229.4	244.6	259.2	272.2	284.4	296.1	304.7
-62.5°	137.4	155.5	173.0	189.9	206.7	223.3	237.6	250.6	262.7	273.3	283.5
-65°	120.7	136.7	152.8	168.3	183.1	198.3	213.2	227.6	239.4	249.1	258.5
-67.5°	103.7	118.0	132.4	146.7	160.3	173.3	186.5	199.5	212.0	222.6	232.0
-70°	87.1	99.1	111.6	124.3	136.6	148.0	159.2	170.6	181.8	191.8	200.8
-72.5°	70.5	81.1	91.4	101.5	112.2	122.4	132.1	141.1	150.1	159.1	167.6
-75°	56.6	63.1	71.8	80.5	88.7	97.0	105.3	113.4	120.5	127.0	133.6
-77.5°	44.7	49.4	54.7	60.3	65.7	72.0	78.3	84.8	90.6	95.8	100.3
-80°	33.3	35.6	39.0	42.7	46.6	50.3	53.9	57.4	61.1	65.2	69.4
-82.5°	23.1	25.2	26.9	28.3	29.9	31.3	32.8	35.3	38.4	41.5	44.3
-85°	13.6	14.7	16.2	17.5	18.7	19.8	20.8	21.7	22.9	24.2	25.5
-87.5°	6.8	7.3	7.9	8.4	8.9	9.4	9.9	10.4	10.8	11.3	11.7
-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: P558968 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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°	12.0	12.0	11.8	11.6	11.4	11.6	11.8	12.0	12.2	12.3	12.4
85°	26.7	27.9	29.0	30.2	31.4	32.2	32.9	33.6	34.1	34.6	35.0
82.5°	46.9	49.3	51.5	53.4	55.2	56.7	58.0	59.1	60.1	61.0	61.7
80°	73.2	76.8	80.3	83.5	86.4	88.8	90.7	92.4	93.7	95.2	96.4
77.5°	104.7	109.7	114.5	118.9	122.8	126.0	128.8	131.3	133.3	135.9	138.2
75°	140.2	146.3	151.8	156.9	161.6	165.8	169.5	172.7	175.5	178.2	180.6
72.5°	175.7	183.0	189.5	194.9	199.9	204.7	209.3	213.7	217.7	220.7	222.9
70°	209.2	216.7	223.6	229.8	235.5	241.5	247.6	253.2	258.3	261.6	263.5
67.5°	239.9	247.5	255.3	263.0	269.9	276.1	282.2	287.8	292.8	296.2	298.3
65°	267.6	276.0	284.5	292.4	299.6	305.0	310.5	315.8	320.7	324.6	327.5
62.5°	293.5	301.9	309.0	315.7	321.9	327.2	332.6	337.4	341.7	345.4	348.9
60°	313.3	321.9	328.8	334.9	340.7	346.0	350.3	353.9	356.7	359.1	361.3
57.5°	330.3	338.4	345.4	350.5	355.7	360.7	364.4	366.7	368.4	369.7	370.6
55°	344.9	351.5	357.3	363.0	368.0	372.4	375.7	377.1	378.1	378.6	379.1
52.5°	356.7	363.1	369.1	374.4	378.4	382.1	385.3	386.2	386.7	386.9	387.0
50°	367.5	373.7	378.4	383.0	387.0	390.4	393.1	394.4	395.2	395.3	394.9
47.5°	376.1	381.5	386.8	391.4	395.5	399.4	402.5	404.3	405.6	406.2	406.1
45°	383.7	390.0	395.6	401.1	405.9	410.9	415.2	418.1	421.0	423.0	424.0
42.5°	392.8	399.1	405.3	412.7	419.6	426.1	433.3	439.6	446.1	453.0	457.8
40°	402.0	408.7	418.2	427.2	437.4	446.6	461.6	476.5	487.9	497.6	506.4
37.5°	412.4	422.3	433.7	445.3	461.9	479.1	497.9	516.5	532.7	547.3	559.1
35°	424.4	437.7	451.7	472.4	493.5	514.6	537.2	561.9	582.9	598.2	609.2
32.5°	439.1	455.9	478.3	504.8	530.7	558.0	585.4	612.9	633.5	654.8	676.3
30°	455.4	479.5	508.6	540.8	573.1	605.8	640.1	678.3	714.6	753.6	809.5
27.5°	476.2	505.7	539.8	577.8	616.7	655.8	715.6	781.2	878.4	956.1	1088.0
25°	498.4	532.9	573.6	617.7	665.2	735.1	844.6	973.9	1203.1	1380.9	1650.6
22.5°	523.3	563.8	608.7	659.4	736.0	867.9	1055.1	1387.3	1849.5	2306.0	2813.7
20°	547.7	592.5	641.7	718.4	848.6	1057.2	1462.6	2180.8	2983.0	4125.1	5083.7
17.5°	570.9	618.5	680.9	784.7	979.5	1399.1	2184.3	3414.5	5089.9	6931.0	8466.2
15°	591.2	639.9	724.0	888.3	1217.4	1870.9	3056.6	5150.4	7965.4	10486.0	12734.2
12.5°	608.4	666.0	770.6	971.9	1424.0	2391.3	4293.3	7266.4	10704.0	14239.0	17084.2
10°	620.9	693.8	833.0	1126.6	1752.2	3010.6	5324.1	9074.3	13213.3	17509.9	22653.3
7.5°	628.4	713.7	880.2	1241.5	2045.0	3700.3	6617.1	10688.5	15441.6	21306.9	29165.3
5°	633.8	727.1	915.2	1327.9	2240.6	4156.2	7433.5	11911.5	17364.2	25845.1	42018.1
2.5°	636.5	733.0	935.1	1375.4	2329.8	4390.5	8008.0	12611.9	18534.0	29046.5	50921.8
0°	635.5	729.8	937.4	1386.2	2342.6	4569.8	8103.6	12811.8	18929.3	29333.5	53776.3
-2.5°	636.5	733.0	935.1	1375.4	2329.8	4390.5	8008.0	12611.9	18534.0	29046.5	50921.8
-5°	633.8	727.1	915.2	1327.9	2240.6	4156.2	7433.5	11911.5	17364.2	25845.1	42018.1
-7.5°	628.4	713.7	880.2	1241.5	2045.0	3700.3	6617.1	10688.5	15441.6	21306.9	29165.3
-10°	620.9	693.8	833.0	1126.6	1752.2	3010.6	5324.1	9074.3	13213.3	17509.9	22653.3
-12.5°	608.4	666.0	770.6	971.9	1424.0	2391.3	4293.3	7266.4	10704.0	14239.0	17084.2
-15°	591.2	639.9	724.0	888.3	1217.4	1870.9	3056.6	5150.4	7965.4	10486.0	12734.2
-17.5°	570.9	618.5	680.9	784.7	979.5	1399.1	2184.3	3414.5	5089.9	6931.0	8466.2
-20°	547.7	592.5	641.7	718.4	848.6	1057.2	1462.6	2180.8	2983.0	4125.1	5083.7



REPORT NUMBER: P558968 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	523.3	563.8	608.7	659.4	736.0	867.9	1055.1	1387.3	1849.5	2306.0	2813.7
-25°	498.4	532.9	573.6	617.7	665.2	735.1	844.6	973.9	1203.1	1380.9	1650.6
-27.5°	476.2	505.7	539.8	577.8	616.7	655.8	715.6	781.2	878.4	956.1	1088.0
-30°	455.4	479.5	508.6	540.8	573.1	605.8	640.1	678.3	714.6	753.6	809.5
-32.5°	439.1	455.9	478.3	504.8	530.7	558.0	585.4	612.9	633.5	654.8	676.3
-35°	424.4	437.7	451.7	472.4	493.5	514.6	537.2	561.9	582.9	598.2	609.2
-37.5°	412.4	422.3	433.7	445.3	461.9	479.1	497.9	516.5	532.7	547.3	559.1
-40°	402.0	408.7	418.2	427.2	437.4	446.6	461.6	476.5	487.9	497.6	506.4
-42.5°	392.8	399.1	405.3	412.7	419.6	426.1	433.3	439.6	446.1	453.0	457.8
-45°	383.7	390.0	395.6	401.1	405.9	410.9	415.2	418.1	421.0	423.0	424.0
-47.5°	376.1	381.5	386.8	391.4	395.5	399.4	402.5	404.3	405.6	406.2	406.1
-50°	367.5	373.7	378.4	383.0	387.0	390.4	393.1	394.4	395.2	395.3	394.9
-52.5°	356.7	363.1	369.1	374.4	378.4	382.1	385.3	386.2	386.7	386.9	387.0
-55°	344.9	351.5	357.3	363.0	368.0	372.4	375.7	377.1	378.1	378.6	379.1
-57.5°	330.3	338.4	345.4	350.5	355.7	360.7	364.4	366.7	368.4	369.7	370.6
-60°	313.3	321.9	328.8	334.9	340.7	346.0	350.3	353.9	356.7	359.1	361.3
-62.5°	293.5	301.9	309.0	315.7	321.9	327.2	332.6	337.4	341.7	345.4	348.9
-65°	267.6	276.0	284.5	292.4	299.6	305.0	310.5	315.8	320.7	324.6	327.5
-67.5°	239.9	247.5	255.3	263.0	269.9	276.1	282.2	287.8	292.8	296.2	298.3
-70°	209.2	216.7	223.6	229.8	235.5	241.5	247.6	253.2	258.3	261.6	263.5
-72.5°	175.7	183.0	189.5	194.9	199.9	204.7	209.3	213.7	217.7	220.7	222.9
-75°	140.2	146.3	151.8	156.9	161.6	165.8	169.5	172.7	175.5	178.2	180.6
-77.5°	104.7	109.7	114.5	118.9	122.8	126.0	128.8	131.3	133.3	135.9	138.2
-80°	73.2	76.8	80.3	83.5	86.4	88.8	90.7	92.4	93.7	95.2	96.4
-82.5°	46.9	49.3	51.5	53.4	55.2	56.7	58.0	59.1	60.1	61.0	61.7
-85°	26.7	27.9	29.0	30.2	31.4	32.2	32.9	33.6	34.1	34.6	35.0
-87.5°	12.0	12.0	11.8	11.6	11.4	11.6	11.8	12.0	12.2	12.3	12.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558968 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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°	12.5	12.6	12.6	12.6	12.6	12.6	12.5	12.4	12.3	12.2	12.0
85°	35.3	35.5	35.7	35.7	35.7	35.5	35.3	35.0	34.6	34.1	33.6
82.5°	62.2	62.6	62.8	62.9	62.8	62.6	62.2	61.7	61.0	60.1	59.1
80°	97.4	98.1	98.5	98.6	98.5	98.1	97.4	96.4	95.2	93.7	92.4
77.5°	140.1	141.7	142.4	142.6	142.4	141.7	140.1	138.2	135.9	133.3	131.3
75°	182.4	183.6	184.4	184.6	184.4	183.6	182.4	180.6	178.2	175.5	172.7
72.5°	224.5	225.4	227.2	228.6	227.2	225.4	224.5	222.9	220.7	217.7	213.7
70°	264.7	265.2	267.0	268.4	267.0	265.2	264.7	263.5	261.6	258.3	253.2
67.5°	299.8	300.8	300.7	299.9	300.7	300.8	299.8	298.3	296.2	292.8	287.8
65°	330.1	332.1	332.2	331.4	332.2	332.1	330.1	327.5	324.6	320.7	315.8
62.5°	352.1	355.1	356.2	356.5	356.2	355.1	352.1	348.9	345.4	341.7	337.4
60°	363.0	364.3	364.8	364.9	364.8	364.3	363.0	361.3	359.1	356.7	353.9
57.5°	371.0	371.0	371.1	371.2	371.1	371.0	371.0	370.6	369.7	368.4	366.7
55°	379.3	379.3	378.7	377.5	378.7	379.3	379.3	379.1	378.6	378.1	377.1
52.5°	386.7	386.0	385.0	383.8	385.0	386.0	386.7	387.0	386.9	386.7	386.2
50°	394.0	392.7	392.1	392.2	392.1	392.7	394.0	394.9	395.3	395.2	394.4
47.5°	405.8	404.9	404.5	404.8	404.5	404.9	405.8	406.1	406.2	405.6	404.3
45°	424.4	423.7	423.2	423.6	423.2	423.7	424.4	424.0	423.0	421.0	418.1
42.5°	460.4	460.7	460.5	461.4	460.5	460.7	460.4	457.8	453.0	446.1	439.6
40°	509.9	509.6	507.9	507.5	507.9	509.6	509.9	506.4	497.6	487.9	476.5
37.5°	563.9	563.9	562.2	562.0	562.2	563.9	563.9	559.1	547.3	532.7	516.5
35°	614.9	616.8	616.5	614.5	616.5	616.8	614.9	609.2	598.2	582.9	561.9
32.5°	691.5	703.2	709.3	706.8	709.3	703.2	691.5	676.3	654.8	633.5	612.9
30°	844.6	874.7	890.6	897.6	890.6	874.7	844.6	809.5	753.6	714.6	678.3
27.5°	1182.4	1249.1	1279.0	1289.8	1279.0	1249.1	1182.4	1088.0	956.1	878.4	781.2
25°	1886.2	2036.8	2111.0	2134.9	2111.0	2036.8	1886.2	1650.6	1380.9	1203.1	973.9
22.5°	3372.8	3662.8	3861.0	3905.0	3861.0	3662.8	3372.8	2813.7	2306.0	1849.5	1387.3
20°	6047.5	6608.3	6912.4	6885.1	6912.4	6608.3	6047.5	5083.7	4125.1	2983.0	2180.8
17.5°	9771.2	10490.3	10832.7	10672.6	10832.7	10490.3	9771.2	8466.2	6931.0	5089.9	3414.5
15°	14324.2	15295.7	15719.5	15850.6	15719.5	15295.7	14324.2	12734.2	10486.0	7965.4	5150.4
12.5°	19924.3	23109.3	24632.4	25040.5	24632.4	23109.3	19924.3	17084.2	14239.0	10704.0	7266.4
10°	27914.2	38620.1	44988.1	46543.1	44988.1	38620.1	27914.2	22653.3	17509.9	13213.3	9074.3
7.5°	45586.2	67341.6	91712.6	103253.3	91712.6	67341.6	45586.2	29165.3	21306.9	15441.6	10688.5
5°	69518.9	120655.6	177081.9	199202.1	177081.9	120655.6	69518.9	42018.1	25845.1	17364.2	11911.5
2.5°	98613.1	182180.7	260148.1	289212.7	260148.1	182180.7	98613.1	50921.8	29046.5	18534.0	12611.9
0°	110904.9	210034.1	286626.8	311523.7	286626.8	210034.1	110904.9	53776.3	29333.5	18929.3	12811.8
-2.5°	98613.1	182180.7	260148.1	289212.6	260148.1	182180.7	98613.1	50921.8	29046.5	18534.0	12611.9
-5°	69518.9	120655.6	177081.9	199202.1	177081.9	120655.6	69518.9	42018.1	25845.1	17364.2	11911.5
-7.5°	45586.2	67341.6	91712.6	103253.3	91712.6	67341.6	45586.2	29165.3	21306.9	15441.6	10688.5
-10°	27914.2	38620.1	44988.1	46543.1	44988.1	38620.1	27914.2	22653.3	17509.9	13213.3	9074.3
-12.5°	19924.3	23109.3	24632.4	25040.5	24632.4	23109.3	19924.3	17084.2	14239.0	10704.0	7266.4
-15°	14324.2	15295.7	15719.5	15850.6	15719.5	15295.7	14324.2	12734.2	10486.0	7965.4	5150.4
-17.5°	9771.2	10490.3	10832.7	10672.6	10832.7	10490.3	9771.2	8466.2	6931.0	5089.9	3414.5
-20°	6047.5	6608.3	6912.4	6885.1	6912.4	6608.3	6047.5	5083.7	4125.1	2983.0	2180.8



REPORT NUMBER: P558968 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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°	3372.8	3662.8	3861.0	3905.0	3861.0	3662.8	3372.8	2813.7	2306.0	1849.5	1387.3
-25°	1886.2	2036.8	2111.0	2134.9	2111.0	2036.8	1886.2	1650.6	1380.9	1203.1	973.9
-27.5°	1182.4	1249.1	1279.0	1289.8	1279.0	1249.1	1182.4	1088.0	956.1	878.4	781.2
-30°	844.6	874.7	890.6	897.6	890.6	874.7	844.6	809.5	753.6	714.6	678.3
-32.5°	691.5	703.2	709.3	706.8	709.3	703.2	691.5	676.3	654.8	633.5	612.9
-35°	614.9	616.8	616.5	614.5	616.5	616.8	614.9	609.2	598.2	582.9	561.9
-37.5°	563.9	563.9	562.2	562.0	562.2	563.9	563.9	559.1	547.3	532.7	516.5
-40°	509.9	509.6	507.9	507.5	507.9	509.6	509.9	506.4	497.6	487.9	476.5
-42.5°	460.4	460.7	460.5	461.4	460.5	460.7	460.4	457.8	453.0	446.1	439.6
-45°	424.4	423.7	423.2	423.6	423.2	423.7	424.4	424.0	423.0	421.0	418.1
-47.5°	405.8	404.9	404.5	404.8	404.5	404.9	405.8	406.1	406.2	405.6	404.3
-50°	394.0	392.7	392.1	392.2	392.1	392.7	394.0	394.9	395.3	395.2	394.4
-52.5°	386.7	386.0	385.0	383.8	385.0	386.0	386.7	387.0	386.9	386.7	386.2
-55°	379.3	379.3	378.7	377.5	378.7	379.3	379.3	379.1	378.6	378.1	377.1
-57.5°	371.0	371.0	371.1	371.2	371.1	371.0	371.0	370.6	369.7	368.4	366.7
-60°	363.0	364.3	364.8	364.9	364.8	364.3	363.0	361.3	359.1	356.7	353.9
-62.5°	352.1	355.1	356.2	356.5	356.2	355.1	352.1	348.9	345.4	341.7	337.4
-65°	330.1	332.1	332.2	331.4	332.2	332.1	330.1	327.5	324.6	320.7	315.8
-67.5°	299.8	300.8	300.7	299.9	300.7	300.8	299.8	298.3	296.2	292.8	287.8
-70°	264.7	265.2	267.0	268.4	267.0	265.2	264.7	263.5	261.6	258.3	253.2
-72.5°	224.5	225.4	227.2	228.6	227.2	225.4	224.5	222.9	220.7	217.7	213.7
-75°	182.4	183.6	184.4	184.6	184.4	183.6	182.4	180.6	178.2	175.5	172.7
-77.5°	140.1	141.7	142.4	142.6	142.4	141.7	140.1	138.2	135.9	133.3	131.3
-80°	97.4	98.1	98.5	98.6	98.5	98.1	97.4	96.4	95.2	93.7	92.4
-82.5°	62.2	62.6	62.8	62.9	62.8	62.6	62.2	61.7	61.0	60.1	59.1
-85°	35.3	35.5	35.7	35.7	35.7	35.5	35.3	35.0	34.6	34.1	33.6
-87.5°	12.5	12.6	12.6	12.6	12.6	12.6	12.5	12.4	12.3	12.2	12.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558968 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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°	11.8	11.6	11.4	11.6	11.8	12.0	12.0	11.7	11.3	10.8	10.4
85°	32.9	32.2	31.4	30.2	29.0	27.9	26.7	25.5	24.2	22.9	21.7
82.5°	58.0	56.7	55.2	53.4	51.5	49.3	46.9	44.3	41.5	38.4	35.3
80°	90.7	88.8	86.4	83.5	80.3	76.8	73.2	69.4	65.2	61.1	57.4
77.5°	128.8	126.0	122.8	118.9	114.5	109.7	104.7	100.3	95.8	90.6	84.8
75°	169.5	165.8	161.6	156.9	151.8	146.3	140.2	133.6	127.0	120.5	113.4
72.5°	209.3	204.7	199.9	194.9	189.5	183.0	175.7	167.6	159.1	150.1	141.1
70°	247.6	241.5	235.5	229.8	223.6	216.7	209.2	200.8	191.8	181.8	170.6
67.5°	282.2	276.1	269.9	263.0	255.3	247.5	239.9	232.0	222.6	212.0	199.5
65°	310.5	305.0	299.6	292.4	284.5	276.0	267.6	258.5	249.1	239.4	227.6
62.5°	332.6	327.2	321.9	315.7	309.0	301.9	293.5	283.5	273.3	262.7	250.6
60°	350.3	346.0	340.7	334.9	328.8	321.9	313.3	304.7	296.1	284.4	272.2
57.5°	364.4	360.7	355.7	350.5	345.4	338.4	330.3	321.9	312.4	303.1	292.5
55°	375.7	372.4	368.0	363.0	357.3	351.5	344.9	336.9	327.7	318.9	308.4
52.5°	385.3	382.1	378.4	374.4	369.1	363.1	356.7	349.3	341.7	332.7	323.0
50°	393.1	390.4	387.0	383.0	378.4	373.7	367.5	360.4	353.6	345.3	335.8
47.5°	402.5	399.4	395.5	391.4	386.8	381.5	376.1	370.9	364.1	356.9	347.4
45°	415.2	410.9	405.9	401.1	395.6	390.0	383.7	378.8	373.6	366.4	358.5
42.5°	433.3	426.1	419.6	412.7	405.3	399.1	392.8	387.0	381.4	375.1	367.0
40°	461.6	446.6	437.4	427.2	418.2	408.7	402.0	395.0	389.0	382.8	374.8
37.5°	497.9	479.1	461.9	445.3	433.7	422.3	412.4	404.1	395.9	389.3	381.5
35°	537.2	514.6	493.5	472.4	451.7	437.7	424.4	414.0	404.5	395.5	387.7
32.5°	585.4	558.0	530.7	504.8	478.3	455.9	439.1	424.4	412.7	402.6	393.6
30°	640.1	605.8	573.1	540.8	508.6	479.5	455.4	436.9	421.5	409.4	399.5
27.5°	715.6	655.8	616.7	577.8	539.8	505.7	476.2	450.2	430.9	416.7	405.2
25°	844.6	735.1	665.2	617.7	573.6	532.9	498.4	467.9	442.6	423.8	409.5
22.5°	1055.1	867.9	736.0	659.4	608.7	563.8	523.3	486.5	453.4	430.6	414.4
20°	1462.6	1057.2	848.6	718.4	641.7	592.5	547.7	506.0	467.7	438.1	418.6
17.5°	2184.3	1399.1	979.5	784.7	680.9	618.5	570.9	524.0	481.1	444.2	422.0
15°	3056.6	1870.9	1217.4	888.3	724.0	639.9	591.2	540.3	494.0	452.4	426.6
12.5°	4293.3	2391.3	1424.0	971.9	770.6	666.0	608.4	556.4	506.1	461.1	430.5
10°	5324.1	3010.6	1752.2	1126.6	833.0	693.8	620.9	566.0	512.9	467.4	433.0
7.5°	6617.1	3700.3	2045.0	1241.5	880.2	713.7	628.4	571.1	516.6	471.2	434.4
5°	7433.5	4156.2	2240.6	1327.9	915.2	727.1	633.8	573.1	517.2	472.8	434.6
2.5°	8008.0	4390.5	2329.8	1375.4	935.1	733.0	636.5	574.4	519.8	474.2	436.8
0°	8103.6	4569.8	2342.6	1386.2	937.4	729.8	635.5	574.6	522.2	474.0	438.3
-2.5°	8008.0	4390.5	2329.8	1375.4	935.1	733.0	636.5	574.4	519.8	474.2	436.8
-5°	7433.5	4156.2	2240.6	1327.9	915.2	727.1	633.8	573.1	517.2	472.8	434.6
-7.5°	6617.1	3700.3	2045.0	1241.5	880.2	713.7	628.4	571.1	516.6	471.2	434.4
-10°	5324.1	3010.6	1752.2	1126.6	833.0	693.8	620.9	566.0	512.9	467.4	433.0
-12.5°	4293.3	2391.3	1424.0	971.9	770.6	666.0	608.4	556.4	506.1	461.1	430.5
-15°	3056.6	1870.9	1217.4	888.3	724.0	639.9	591.2	540.3	494.0	452.4	426.6
-17.5°	2184.3	1399.1	979.5	784.7	680.9	618.5	570.9	524.0	481.1	444.2	422.0
-20°	1462.6	1057.2	848.6	718.4	641.7	592.5	547.7	506.0	467.7	438.1	418.6



REPORT NUMBER: P558968 (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°
-22.5°	1055.1	867.9	736.0	659.4	608.7	563.8	523.3	486.5	453.4	430.6	414.4
-25°	844.6	735.1	665.2	617.7	573.6	532.9	498.4	467.9	442.6	423.8	409.5
-27.5°	715.6	655.8	616.7	577.8	539.8	505.7	476.2	450.2	430.9	416.7	405.2
-30°	640.1	605.8	573.1	540.8	508.6	479.5	455.4	436.9	421.5	409.4	399.5
-32.5°	585.4	558.0	530.7	504.8	478.3	455.9	439.1	424.4	412.7	402.6	393.6
-35°	537.2	514.6	493.5	472.4	451.7	437.7	424.4	414.0	404.5	395.5	387.7
-37.5°	497.9	479.1	461.9	445.3	433.7	422.3	412.4	404.1	395.9	389.3	381.5
-40°	461.6	446.6	437.4	427.2	418.2	408.7	402.0	395.0	389.0	382.8	374.8
-42.5°	433.3	426.1	419.6	412.7	405.3	399.1	392.8	387.0	381.4	375.1	367.0
-45°	415.2	410.9	405.9	401.1	395.6	390.0	383.7	378.8	373.6	366.4	358.5
-47.5°	402.5	399.4	395.5	391.4	386.8	381.5	376.1	370.9	364.1	356.9	347.4
-50°	393.1	390.4	387.0	383.0	378.4	373.7	367.5	360.4	353.6	345.3	335.8
-52.5°	385.3	382.1	378.4	374.4	369.1	363.1	356.7	349.3	341.7	332.7	323.0
-55°	375.7	372.4	368.0	363.0	357.3	351.5	344.9	336.9	327.7	318.9	308.4
-57.5°	364.4	360.7	355.7	350.5	345.4	338.4	330.3	321.9	312.4	303.1	292.5
-60°	350.3	346.0	340.7	334.9	328.8	321.9	313.3	304.7	296.1	284.4	272.2
-62.5°	332.6	327.2	321.9	315.7	309.0	301.9	293.5	283.5	273.3	262.7	250.6
-65°	310.5	305.0	299.6	292.4	284.5	276.0	267.6	258.5	249.1	239.4	227.6
-67.5°	282.2	276.1	269.9	263.0	255.3	247.5	239.9	232.0	222.6	212.0	199.5
-70°	247.6	241.5	235.5	229.8	223.6	216.7	209.2	200.8	191.8	181.8	170.6
-72.5°	209.3	204.7	199.9	194.9	189.5	183.0	175.7	167.6	159.1	150.1	141.1
-75°	169.5	165.8	161.6	156.9	151.8	146.3	140.2	133.6	127.0	120.5	113.4
-77.5°	128.8	126.0	122.8	118.9	114.5	109.7	104.7	100.3	95.8	90.6	84.8
-80°	90.7	88.8	86.4	83.5	80.3	76.8	73.2	69.4	65.2	61.1	57.4
-82.5°	58.0	56.7	55.2	53.4	51.5	49.3	46.9	44.3	41.5	38.4	35.3
-85°	32.9	32.2	31.4	30.2	29.0	27.9	26.7	25.5	24.2	22.9	21.7
-87.5°	11.8	11.6	11.4	11.6	11.8	12.0	12.0	11.7	11.3	10.8	10.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558968 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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°	9.9	9.4	8.9	8.4	7.9	7.3	6.8	6.2	5.6	5.0	4.4
85°	20.8	19.8	18.7	17.5	16.2	14.7	13.6	12.4	11.2	10.0	8.8
82.5°	32.8	31.3	29.9	28.3	26.9	25.2	23.1	20.8	18.0	15.2	13.2
80°	53.9	50.3	46.6	42.7	39.0	35.6	33.3	30.4	26.5	22.6	18.9
77.5°	78.3	72.0	65.7	60.3	54.7	49.4	44.7	40.1	34.9	30.0	25.3
75°	105.3	97.0	88.7	80.5	71.8	63.1	56.6	50.5	44.1	37.4	31.5
72.5°	132.1	122.4	112.2	101.5	91.4	81.1	70.5	60.9	53.7	46.1	38.1
70°	159.2	148.0	136.6	124.3	111.6	99.1	87.1	75.0	63.2	54.6	45.7
67.5°	186.5	173.3	160.3	146.7	132.4	118.0	103.7	89.7	76.2	63.2	53.3
65°	213.2	198.3	183.1	168.3	152.8	136.7	120.7	104.4	88.9	74.2	60.8
62.5°	237.6	223.3	206.7	189.9	173.0	155.5	137.4	119.6	101.5	85.0	69.4
60°	259.2	244.6	229.4	211.7	193.1	174.1	154.4	134.4	114.9	95.4	78.4
57.5°	278.8	264.7	249.0	232.1	213.0	192.5	171.3	149.5	128.0	106.7	87.1
55°	297.0	282.7	267.6	250.5	231.6	210.5	187.8	164.5	140.9	118.1	95.6
52.5°	311.7	299.1	284.2	267.6	248.5	227.6	203.9	179.0	154.0	129.1	105.2
50°	325.0	313.2	299.2	282.7	264.7	243.0	219.7	193.4	166.6	139.9	114.6
47.5°	337.0	325.7	312.4	296.8	278.3	257.8	233.8	207.4	178.9	150.8	123.6
45°	347.8	336.7	324.3	309.0	291.4	270.6	246.9	221.0	191.1	161.3	132.3
42.5°	357.7	346.4	334.3	321.0	302.7	282.4	259.5	232.7	202.9	171.4	140.9
40°	365.5	355.1	343.6	329.8	313.3	293.8	270.2	243.7	214.3	181.2	149.3
37.5°	372.8	362.5	351.1	338.2	322.8	303.1	280.3	254.1	224.6	190.7	157.3
35°	378.9	369.0	357.8	345.2	330.2	311.9	289.9	263.5	233.2	199.6	164.9
32.5°	384.6	374.8	363.3	350.9	337.2	320.3	298.2	271.5	241.4	208.0	172.0
30°	389.8	379.3	368.4	356.1	343.2	326.4	305.2	279.0	249.0	215.7	178.7
27.5°	394.2	383.2	373.0	360.5	347.6	332.0	311.5	285.9	256.0	222.4	184.9
25°	398.2	386.8	376.2	364.6	351.5	337.1	317.4	292.2	261.9	228.1	190.6
22.5°	401.8	390.1	378.9	368.3	354.9	341.9	322.3	297.0	267.0	233.2	195.7
20°	404.9	393.0	381.1	371.0	357.8	344.7	326.1	301.4	271.6	237.8	200.3
17.5°	407.7	395.5	383.3	372.7	360.2	347.1	329.6	305.3	275.6	241.9	204.3
15°	410.3	397.4	385.2	374.0	362.2	349.2	332.7	308.7	279.1	245.3	207.7
12.5°	412.3	398.7	386.7	375.0	363.7	350.8	335.4	311.6	281.9	248.2	210.5
10°	414.0	399.4	387.8	375.8	364.7	352.0	337.6	313.9	284.2	250.5	212.8
7.5°	415.1	399.6	388.5	376.2	365.4	352.9	339.0	315.5	285.9	252.2	214.5
5°	416.1	400.2	389.3	376.9	366.3	353.7	339.7	316.5	287.0	253.4	215.5
2.5°	418.1	401.6	389.9	377.3	366.8	354.2	340.0	316.9	287.4	253.9	216.1
0°	419.4	402.7	390.1	377.5	367.0	354.4	339.7	316.7	287.3	253.8	216.0
-2.5°	418.1	401.6	389.9	377.3	366.8	354.2	340.0	316.9	287.4	253.9	216.1
-5°	416.1	400.2	389.3	376.9	366.3	353.7	339.7	316.5	287.0	253.4	215.5
-7.5°	415.1	399.6	388.5	376.2	365.4	352.9	339.0	315.5	285.9	252.2	214.5
-10°	414.0	399.4	387.8	375.8	364.7	352.0	337.6	313.9	284.2	250.5	212.8
-12.5°	412.3	398.7	386.7	375.0	363.7	350.8	335.4	311.6	281.9	248.2	210.5
-15°	410.3	397.4	385.2	374.0	362.2	349.2	332.7	308.7	279.1	245.3	207.7
-17.5°	407.7	395.5	383.3	372.7	360.2	347.1	329.6	305.3	275.6	241.9	204.3
-20°	404.9	393.0	381.1	371.0	357.8	344.7	326.1	301.4	271.6	237.8	200.3



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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°	401.8	390.1	378.9	368.3	354.9	341.9	322.3	297.0	267.0	233.2	195.7
-25°	398.2	386.8	376.2	364.6	351.5	337.1	317.4	292.2	261.9	228.1	190.6
-27.5°	394.2	383.2	373.0	360.5	347.6	332.0	311.5	285.9	256.0	222.4	184.9
-30°	389.8	379.3	368.4	356.1	343.2	326.4	305.2	279.0	249.0	215.7	178.7
-32.5°	384.6	374.8	363.3	350.9	337.2	320.3	298.2	271.5	241.4	208.0	172.0
-35°	378.9	369.0	357.8	345.2	330.2	311.9	289.9	263.5	233.2	199.6	164.9
-37.5°	372.8	362.5	351.1	338.2	322.8	303.1	280.3	254.1	224.6	190.7	157.3
-40°	365.5	355.1	343.6	329.8	313.3	293.8	270.2	243.7	214.3	181.2	149.3
-42.5°	357.7	346.4	334.3	321.0	302.7	282.4	259.5	232.7	202.9	171.4	140.9
-45°	347.8	336.7	324.3	309.0	291.4	270.6	246.9	221.0	191.1	161.3	132.3
-47.5°	337.0	325.7	312.4	296.8	278.3	257.8	233.8	207.4	178.9	150.8	123.6
-50°	325.0	313.2	299.2	282.7	264.7	243.0	219.7	193.4	166.6	139.9	114.6
-52.5°	311.7	299.1	284.2	267.6	248.5	227.6	203.9	179.0	154.0	129.1	105.2
-55°	297.0	282.7	267.6	250.5	231.6	210.5	187.8	164.5	140.9	118.1	95.6
-57.5°	278.8	264.7	249.0	232.1	213.0	192.5	171.3	149.5	128.0	106.7	87.1
-60°	259.2	244.6	229.4	211.7	193.1	174.1	154.4	134.4	114.9	95.4	78.4
-62.5°	237.6	223.3	206.7	189.9	173.0	155.5	137.4	119.6	101.5	85.0	69.4
-65°	213.2	198.3	183.1	168.3	152.8	136.7	120.7	104.4	88.9	74.2	60.8
-67.5°	186.5	173.3	160.3	146.7	132.4	118.0	103.7	89.7	76.2	63.2	53.3
-70°	159.2	148.0	136.6	124.3	111.6	99.1	87.1	75.0	63.2	54.6	45.7
-72.5°	132.1	122.4	112.2	101.5	91.4	81.1	70.5	60.9	53.7	46.1	38.1
-75°	105.3	97.0	88.7	80.5	71.8	63.1	56.6	50.5	44.1	37.4	31.5
-77.5°	78.3	72.0	65.7	60.3	54.7	49.4	44.7	40.1	34.9	30.0	25.3
-80°	53.9	50.3	46.6	42.7	39.0	35.6	33.3	30.4	26.5	22.6	18.9
-82.5°	32.8	31.3	29.9	28.3	26.9	25.2	23.1	20.8	18.0	15.2	13.2
-85°	20.8	19.8	18.7	17.5	16.2	14.7	13.6	12.4	11.2	10.0	8.8
-87.5°	9.9	9.4	8.9	8.4	7.9	7.3	6.8	6.2	5.6	5.0	4.4
-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°	3.8	3.3	2.7	2.1	1.5	0.7	0.0
85°	7.6	6.6	5.5	4.2	2.9	1.5	0.0
82.5°	11.4	9.9	8.2	6.4	4.4	2.2	0.0
80°	15.4	13.2	10.9	8.5	5.8	2.9	0.0
77.5°	20.7	16.8	13.6	10.6	7.3	3.6	0.0
75°	26.1	21.3	16.5	12.6	8.7	4.3	0.0
72.5°	31.3	25.7	20.0	14.7	10.1	5.1	0.0
70°	36.7	30.0	23.5	16.9	11.5	5.7	0.0
67.5°	43.3	34.3	26.9	19.4	12.8	6.4	0.0
65°	49.8	39.1	30.3	22.0	14.2	7.1	0.0
62.5°	56.1	44.3	33.6	24.4	15.5	7.8	0.0
60°	62.2	49.3	36.8	26.9	16.8	8.4	0.0
57.5°	69.5	54.2	40.7	29.2	18.3	9.0	0.0
55°	76.8	59.0	44.5	31.6	19.9	9.6	0.0
52.5°	83.9	63.9	48.1	33.8	21.3	10.2	0.0
50°	90.8	69.6	51.7	36.0	22.7	10.8	0.0
47.5°	97.6	75.1	55.1	38.2	24.1	11.3	0.0
45°	105.0	80.4	58.3	40.6	25.4	11.9	0.0
42.5°	112.0	85.5	61.4	43.0	26.7	12.4	0.0
40°	118.7	90.4	64.8	45.1	27.9	12.9	0.0
37.5°	125.0	95.0	68.5	47.1	29.0	13.3	0.0
35°	131.0	99.7	72.0	49.0	30.1	13.8	0.0
32.5°	136.7	104.4	75.3	50.8	31.1	14.2	0.0
30°	142.4	108.7	78.3	52.4	32.1	14.5	0.0
27.5°	147.6	112.7	81.1	53.9	33.0	14.9	0.0
25°	152.4	116.3	83.7	55.2	33.8	15.2	0.0
22.5°	156.8	119.6	86.0	56.4	34.5	15.5	0.0
20°	160.7	122.7	88.2	57.5	35.2	15.8	0.0
17.5°	164.3	125.3	90.1	58.4	35.8	16.0	0.0
15°	167.4	127.7	91.7	59.2	36.3	16.2	0.0
12.5°	170.1	129.7	93.2	59.8	36.7	16.4	0.0
10°	172.3	131.3	94.4	60.3	37.1	16.5	0.0
7.5°	174.0	132.6	95.3	60.6	37.3	16.7	0.0
5°	175.2	133.5	96.0	60.8	37.5	16.7	0.0
2.5°	176.0	134.0	96.4	60.9	37.7	16.8	0.0
0°	176.2	134.2	96.5	60.8	37.7	16.8	0.0
-2.5°	176.0	134.0	96.4	60.9	37.7	16.8	0.0
-5°	175.2	133.5	96.0	60.8	37.5	16.7	0.0
-7.5°	174.0	132.6	95.3	60.6	37.3	16.7	0.0
-10°	172.3	131.3	94.4	60.3	37.1	16.5	0.0
-12.5°	170.1	129.7	93.2	59.8	36.7	16.4	0.0
-15°	167.4	127.7	91.7	59.2	36.3	16.2	0.0
-17.5°	164.3	125.3	90.1	58.4	35.8	16.0	0.0
-20°	160.7	122.7	88.2	57.5	35.2	15.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	156.8	119.6	86.0	56.4	34.5	15.5	0.0
-25°	152.4	116.3	83.7	55.2	33.8	15.2	0.0
-27.5°	147.6	112.7	81.1	53.9	33.0	14.9	0.0
-30°	142.4	108.7	78.3	52.4	32.1	14.5	0.0
-32.5°	136.7	104.4	75.3	50.8	31.1	14.2	0.0
-35°	131.0	99.7	72.0	49.0	30.1	13.8	0.0
-37.5°	125.0	95.0	68.5	47.1	29.0	13.3	0.0
-40°	118.7	90.4	64.8	45.1	27.9	12.9	0.0
-42.5°	112.0	85.5	61.4	43.0	26.7	12.4	0.0
-45°	105.0	80.4	58.3	40.6	25.4	11.9	0.0
-47.5°	97.6	75.1	55.1	38.2	24.1	11.3	0.0
-50°	90.8	69.6	51.7	36.0	22.7	10.8	0.0
-52.5°	83.9	63.9	48.1	33.8	21.3	10.2	0.0
-55°	76.8	59.0	44.5	31.6	19.9	9.6	0.0
-57.5°	69.5	54.2	40.7	29.2	18.3	9.0	0.0
-60°	62.2	49.3	36.8	26.9	16.8	8.4	0.0
-62.5°	56.1	44.3	33.6	24.4	15.5	7.8	0.0
-65°	49.8	39.1	30.3	22.0	14.2	7.1	0.0
-67.5°	43.3	34.3	26.9	19.4	12.8	6.4	0.0
-70°	36.7	30.0	23.5	16.9	11.5	5.7	0.0
-72.5°	31.3	25.7	20.0	14.7	10.1	5.1	0.0
-75°	26.1	21.3	16.5	12.6	8.7	4.3	0.0
-77.5°	20.7	16.8	13.6	10.6	7.3	3.6	0.0
-80°	15.4	13.2	10.9	8.5	5.8	2.9	0.0
-82.5°	11.4	9.9	8.2	6.4	4.4	2.2	0.0
-85°	7.6	6.6	5.5	4.2	2.9	1.5	0.0
-87.5°	3.8	3.3	2.7	2.1	1.5	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)