

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: P558952 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-930-U-TS-XX**

Issue Date: 7/20/2021

Test Information

Test Method: LM-79-08
Report Number: P558952 (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-930-U-TS-XX
Description: GALLEON FLOOD, FOUR LIGHT SQUARE, TIGHT SPOT N2
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

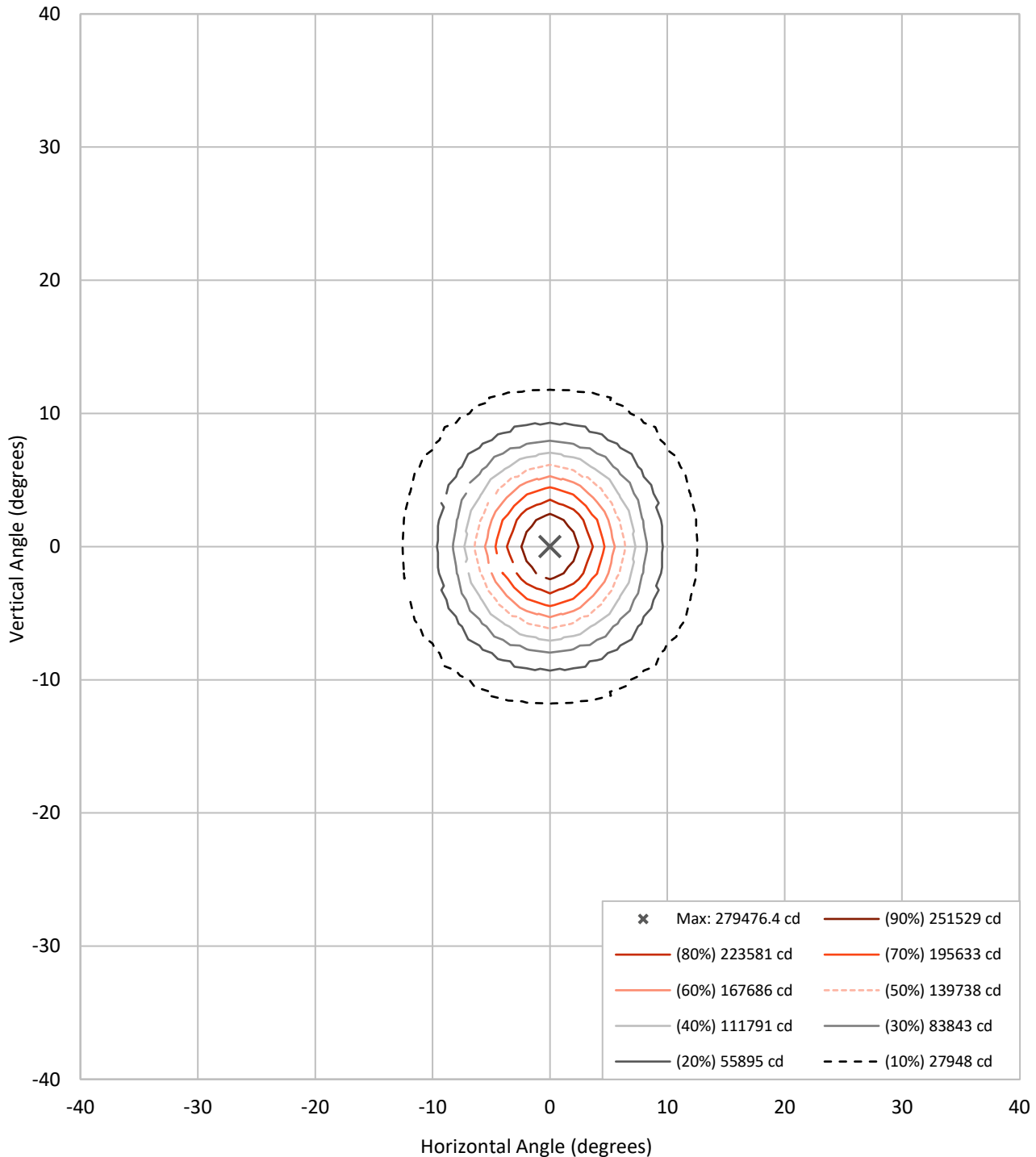
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	20258.3 lumens	Max Intensity:	279476.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	93.4 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	12.7°H x 12.3°V	Field Angle (10%):	24.6°H x 23.6°V
Beam Lumens:	6401.3 lumens	Field Lumens:	14181.1 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





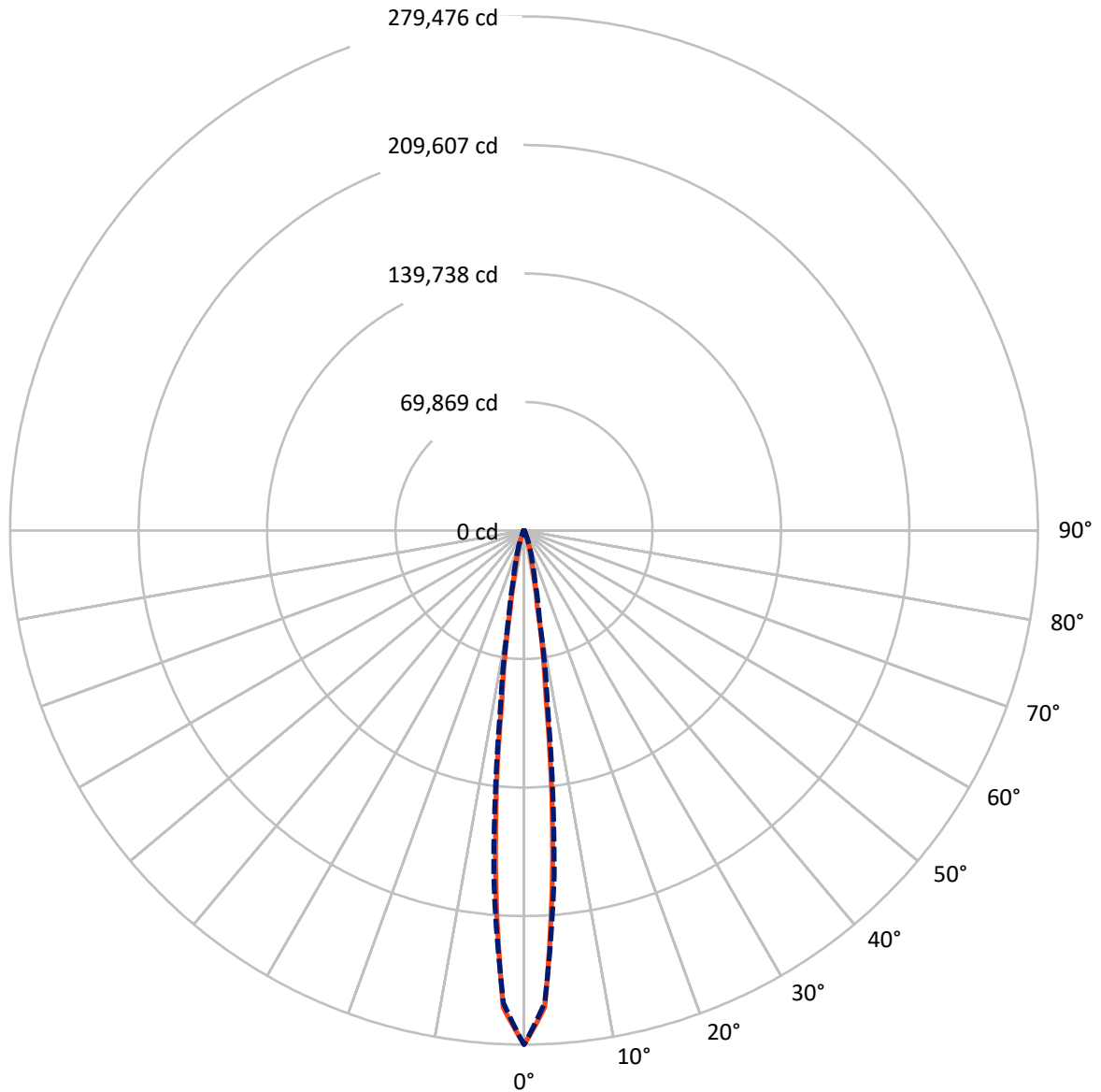
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Lumen Table

90	0.3	2.3		6.5		10.5		12.1		10.5		6.5		2.3		0.3			
80	0.3	2.3		6.5		10.5		12.1		10.5		6.5		2.3		0.3			
70	1.1	1.2	2.6	4.3	5.9	7.3	8.3	8.8	8.8	8.3	7.3	5.9	4.3	2.6	1.2	1.1			
60		1.9	3.9	5.9	7.7	9.1	9.9	10.3	10.3	9.9	9.1	7.7	5.9	3.9	1.9				
50	2.0	2.6	4.8	6.9	8.6	10.1	11.3	11.8	11.8	11.3	10.1	8.6	6.9	4.8	2.6	2.0			
40		3.0	5.4	7.5	9.6	12.3	15.5	17.4	17.4	15.5	12.3	9.6	7.5	5.4	3.0				
30	2.6	3.4	5.7	8.0	11.3	17.5	38.9	70.7	70.7	38.9	17.5	11.3	8.0	5.7	3.4	2.6			
20		3.5	5.9	8.4	13.4	37.6	212.4	467.3	467.3	212.4	37.6	13.4	8.4	5.9	3.5				
10	2.8	3.6	5.9	8.6	14.8	72.2	509.9	3298.8	3298.8	509.9	72.2	14.8	8.6	5.9	3.6	2.8			
0		3.6	5.9	8.6	14.8	72.2	509.9	3298.8	3298.8	509.9	72.2	14.8	8.6	5.9	3.6				
-10	2.6	3.5	5.9	8.4	13.4	37.6	212.4	467.3	467.3	212.4	37.6	13.4	8.4	5.9	3.5	2.6			
-20		3.4	5.7	8.0	11.3	17.5	38.9	70.7	70.7	38.9	17.5	11.3	8.0	5.7	3.4				
-30	2.0	3.0	5.4	7.5	9.6	12.3	15.5	17.4	17.4	15.5	12.3	9.6	7.5	5.4	3.0	2.0			
-40		2.6	4.8	6.9	8.6	10.1	11.3	11.8	11.8	11.3	10.1	8.6	6.9	4.8	2.6				
-50	1.1	1.9	3.9	5.9	7.7	9.1	9.9	10.3	10.3	9.9	9.1	7.7	5.9	3.9	1.9	1.1			
-60		1.2	2.6	4.3	5.9	7.3	8.3	8.8	8.8	8.3	7.3	5.9	4.3	2.6	1.2				
-70	0.3	2.3		6.5		10.5		12.1		10.5		6.5		2.3		0.3			
-80		2.3		6.5		10.5		12.1		10.5		6.5		2.3					
-90	0.3	2.3		6.5		10.5		12.1		10.5		6.5		2.3		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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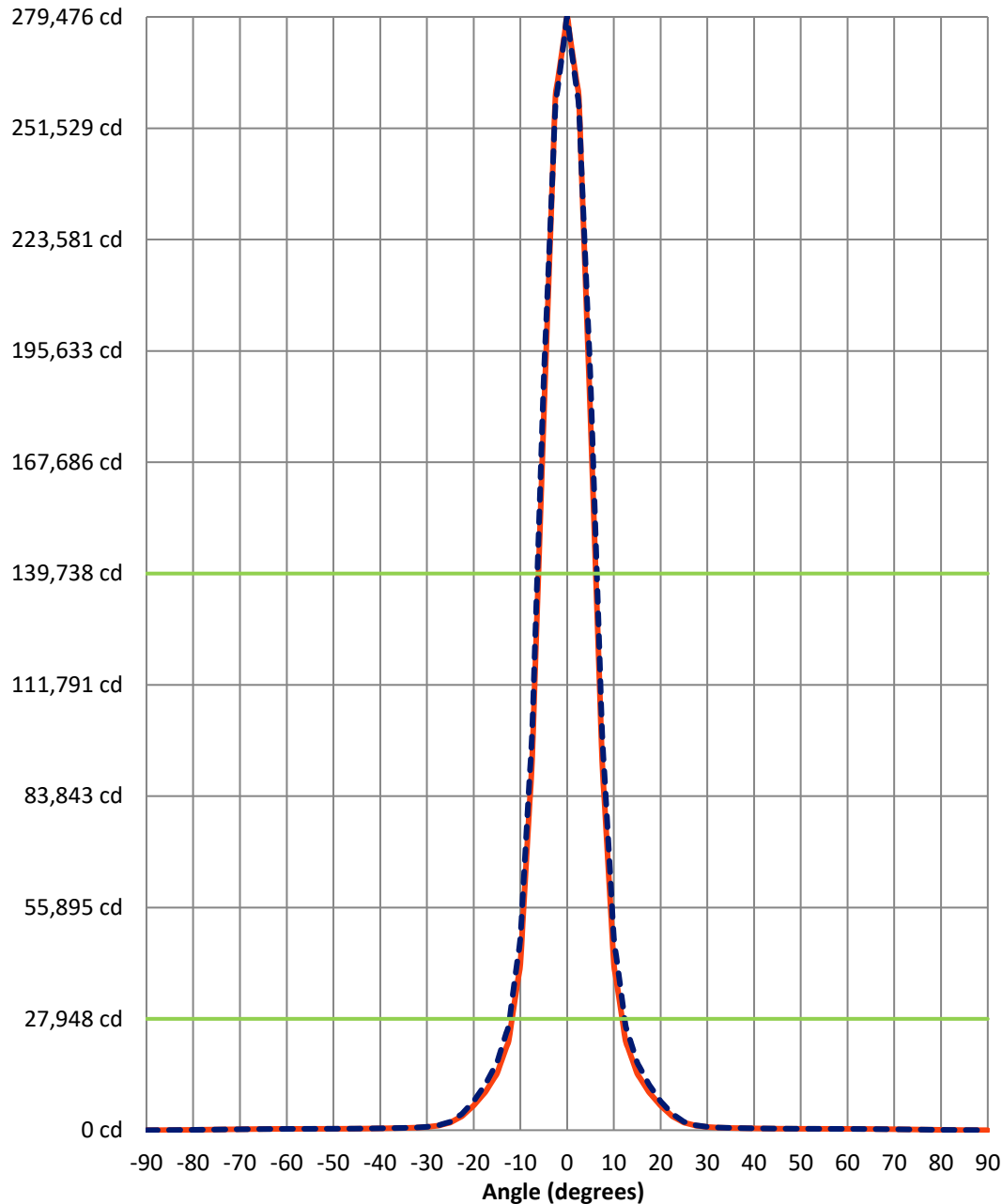
Luminous Intensity Polar Plot



— 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: 6401.3
 Efficiency: 31.6%

Field:
 H Angle: 24.6°
 V Angle: 23.6°
 Lumens: 14181.1
 Efficiency: 70.0%

Spill:
 Lumens: 6077.2
 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	1.3	1.9	2.5	3.0	3.4	4.0	4.5	5.1	5.6
85°	0.0	1.3	2.6	3.8	4.9	5.9	6.8	7.9	9.0	10.1	11.1
82.5°	0.0	2.0	3.9	5.7	7.4	8.9	10.2	11.9	13.7	16.1	18.7
80°	0.0	2.6	5.2	7.6	9.8	11.8	13.8	17.0	20.3	23.8	27.3
77.5°	0.0	3.3	6.5	9.5	12.2	15.1	18.6	22.7	26.9	31.3	36.0
75°	0.0	3.9	7.8	11.4	14.8	19.1	23.4	28.3	33.6	39.6	45.3
72.5°	0.0	4.5	9.1	13.2	17.9	23.0	28.1	34.1	41.3	48.1	54.6
70°	0.0	5.2	10.3	15.2	21.1	26.9	32.9	41.0	49.0	56.7	67.2
67.5°	0.0	5.8	11.5	17.5	24.1	30.8	38.8	47.8	56.7	68.3	80.4
65°	0.0	6.4	12.7	19.7	27.2	35.0	44.6	54.5	66.6	79.7	93.6
62.5°	0.0	7.0	13.9	22.0	30.1	39.7	50.3	62.2	76.2	91.0	107.3
60°	0.0	7.5	15.1	24.2	33.1	44.2	55.8	70.3	85.5	103.1	120.6
57.5°	0.0	8.1	16.5	26.3	36.5	48.7	62.3	78.0	95.7	114.8	134.2
55°	0.0	8.7	17.8	28.4	39.9	52.9	68.9	85.7	105.9	126.4	147.5
52.5°	0.0	9.2	19.2	30.4	43.2	57.3	75.2	94.3	115.8	138.1	160.5
50°	0.0	9.7	20.5	32.3	46.4	62.4	81.4	102.8	125.5	149.5	173.5
47.5°	0.0	10.2	21.7	34.3	49.4	67.3	87.5	110.9	135.2	160.4	186.0
45°	0.0	10.7	22.9	36.5	52.3	72.1	94.1	118.7	144.7	171.4	198.3
42.5°	0.0	11.1	24.0	38.6	55.1	76.7	100.5	126.4	153.7	182.0	208.8
40°	0.0	11.6	25.1	40.5	58.1	81.0	106.5	133.9	162.5	192.2	218.6
37.5°	0.0	12.0	26.1	42.3	61.4	85.1	112.2	141.1	171.0	201.4	227.9
35°	0.0	12.4	27.1	44.0	64.6	89.4	117.5	147.9	179.1	209.2	236.4
32.5°	0.0	12.7	28.0	45.6	67.5	93.6	122.6	154.2	186.5	216.5	243.6
30°	0.0	13.1	28.9	47.0	70.2	97.5	127.7	160.2	193.5	223.3	250.3
27.5°	0.0	13.4	29.6	48.4	72.7	101.1	132.4	165.8	199.6	229.6	256.5
25°	0.0	13.7	30.4	49.6	75.0	104.3	136.7	170.9	204.6	234.9	262.1
22.5°	0.0	13.9	31.0	50.6	77.1	107.3	140.6	175.5	209.2	239.5	266.5
20°	0.0	14.2	31.6	51.6	79.0	110.0	144.1	179.7	213.3	243.6	270.4
17.5°	0.0	14.4	32.2	52.4	80.7	112.4	147.3	183.2	217.0	247.2	273.9
15°	0.0	14.6	32.6	53.1	82.2	114.5	150.1	186.3	220.1	250.3	276.9
12.5°	0.0	14.7	33.0	53.7	83.5	116.3	152.5	188.9	222.6	252.9	279.5
10°	0.0	14.9	33.3	54.1	84.6	117.8	154.5	190.9	224.7	254.9	281.6
7.5°	0.0	15.0	33.6	54.4	85.4	118.9	156.0	192.4	226.3	256.5	283.0
5°	0.0	15.0	33.8	54.6	86.0	119.7	157.1	193.4	227.3	257.5	283.9
2.5°	0.0	15.1	33.9	54.7	86.4	120.2	157.8	193.9	227.8	257.9	284.3
0°	0.0	15.1	33.9	54.6	86.5	120.4	158.0	193.8	227.7	257.8	284.1
-2.5°	0.0	15.1	33.9	54.7	86.4	120.2	157.8	193.9	227.8	257.9	284.3
-5°	0.0	15.0	33.8	54.6	86.0	119.7	157.1	193.4	227.3	257.5	283.9
-7.5°	0.0	15.0	33.6	54.4	85.4	118.9	156.0	192.4	226.3	256.5	283.0
-10°	0.0	14.9	33.3	54.1	84.6	117.8	154.5	190.9	224.7	254.9	281.6
-12.5°	0.0	14.7	33.0	53.7	83.5	116.3	152.5	188.9	222.6	252.9	279.5
-15°	0.0	14.6	32.6	53.1	82.2	114.5	150.1	186.3	220.1	250.3	276.9
-17.5°	0.0	14.4	32.2	52.4	80.7	112.4	147.3	183.2	217.0	247.2	273.9
-20°	0.0	14.2	31.6	51.6	79.0	110.0	144.1	179.7	213.3	243.6	270.4



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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	13.9	31.0	50.6	77.1	107.3	140.6	175.5	209.2	239.5	266.5
-25°	0.0	13.7	30.4	49.6	75.0	104.3	136.7	170.9	204.6	234.9	262.1
-27.5°	0.0	13.4	29.6	48.4	72.7	101.1	132.4	165.8	199.6	229.6	256.5
-30°	0.0	13.1	28.9	47.0	70.2	97.5	127.7	160.2	193.5	223.3	250.3
-32.5°	0.0	12.7	28.0	45.6	67.5	93.6	122.6	154.2	186.5	216.5	243.6
-35°	0.0	12.4	27.1	44.0	64.6	89.4	117.5	147.9	179.1	209.2	236.4
-37.5°	0.0	12.0	26.1	42.3	61.4	85.1	112.2	141.1	171.0	201.4	227.9
-40°	0.0	11.6	25.1	40.5	58.1	81.0	106.5	133.9	162.5	192.2	218.6
-42.5°	0.0	11.1	24.0	38.6	55.1	76.7	100.5	126.4	153.7	182.0	208.8
-45°	0.0	10.7	22.9	36.5	52.3	72.1	94.1	118.7	144.7	171.4	198.3
-47.5°	0.0	10.2	21.7	34.3	49.4	67.3	87.5	110.9	135.2	160.4	186.0
-50°	0.0	9.7	20.5	32.3	46.4	62.4	81.4	102.8	125.5	149.5	173.5
-52.5°	0.0	9.2	19.2	30.4	43.2	57.3	75.2	94.3	115.8	138.1	160.5
-55°	0.0	8.7	17.8	28.4	39.9	52.9	68.9	85.7	105.9	126.4	147.5
-57.5°	0.0	8.1	16.5	26.3	36.5	48.7	62.3	78.0	95.7	114.8	134.2
-60°	0.0	7.5	15.1	24.2	33.1	44.2	55.8	70.3	85.5	103.1	120.6
-62.5°	0.0	7.0	13.9	22.0	30.1	39.7	50.3	62.2	76.2	91.0	107.3
-65°	0.0	6.4	12.7	19.7	27.2	35.0	44.6	54.5	66.6	79.7	93.6
-67.5°	0.0	5.8	11.5	17.5	24.1	30.8	38.8	47.8	56.7	68.3	80.4
-70°	0.0	5.2	10.3	15.2	21.1	26.9	32.9	41.0	49.0	56.7	67.2
-72.5°	0.0	4.5	9.1	13.2	17.9	23.0	28.1	34.1	41.3	48.1	54.6
-75°	0.0	3.9	7.8	11.4	14.8	19.1	23.4	28.3	33.6	39.6	45.3
-77.5°	0.0	3.3	6.5	9.5	12.2	15.1	18.6	22.7	26.9	31.3	36.0
-80°	0.0	2.6	5.2	7.6	9.8	11.8	13.8	17.0	20.3	23.8	27.3
-82.5°	0.0	2.0	3.9	5.7	7.4	8.9	10.2	11.9	13.7	16.1	18.7
-85°	0.0	1.3	2.6	3.8	4.9	5.9	6.8	7.9	9.0	10.1	11.1
-87.5°	0.0	0.7	1.3	1.9	2.5	3.0	3.4	4.0	4.5	5.1	5.6
-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°	6.1	6.6	7.1	7.6	8.0	8.5	8.9	9.3	9.7	10.1	10.5
85°	12.2	13.2	14.5	15.7	16.8	17.7	18.6	19.4	20.5	21.7	22.8
82.5°	20.8	22.6	24.1	25.4	26.8	28.0	29.4	31.6	34.4	37.2	39.7
80°	29.9	32.0	35.0	38.3	41.8	45.1	48.4	51.4	54.8	58.5	62.3
77.5°	40.1	44.4	49.0	54.1	58.9	64.5	70.3	76.1	81.3	85.9	89.9
75°	50.8	56.5	64.3	72.2	79.6	87.0	94.5	101.7	108.0	114.0	119.9
72.5°	63.2	72.7	82.0	91.0	100.6	109.8	118.5	126.6	134.7	142.7	150.4
70°	78.1	88.9	100.1	111.5	122.6	132.8	142.8	153.0	163.1	172.1	180.2
67.5°	93.0	105.9	118.8	131.6	143.8	155.4	167.3	179.0	190.2	199.7	208.2
65°	108.3	122.7	137.1	151.0	164.3	177.9	191.3	204.2	214.8	223.5	232.0
62.5°	123.3	139.5	155.2	170.4	185.4	200.3	213.2	224.8	235.8	245.3	254.4
60°	138.6	156.2	173.2	189.9	205.8	219.5	232.6	244.3	255.2	265.6	273.4
57.5°	153.7	172.7	191.1	208.3	223.4	237.6	250.2	262.5	271.9	280.3	288.7
55°	168.4	188.8	207.8	224.7	240.1	253.6	266.4	276.7	286.1	294.0	302.3
52.5°	182.9	204.2	223.0	240.1	255.0	268.3	279.6	289.7	298.5	306.6	313.3
50°	197.1	218.0	237.5	253.6	268.4	280.9	291.6	301.3	309.8	317.2	323.3
47.5°	209.7	231.3	249.7	266.3	280.3	292.2	302.4	311.7	320.2	326.7	332.7
45°	221.5	242.8	261.5	277.2	291.0	302.1	312.0	321.6	328.7	335.2	339.8
42.5°	232.8	253.4	271.6	288.0	300.0	310.8	320.9	329.2	336.5	342.2	347.2
40°	242.4	263.6	281.1	295.9	308.3	318.6	327.9	336.2	343.4	348.9	354.4
37.5°	251.4	271.9	289.6	303.5	315.0	325.2	334.4	342.2	349.3	355.1	362.5
35°	260.1	279.8	296.3	309.7	320.9	331.1	339.9	347.8	354.8	362.9	371.4
32.5°	267.5	287.3	302.5	314.8	325.9	336.2	345.0	353.1	361.2	370.3	380.8
30°	273.8	292.9	308.0	319.4	330.5	340.2	349.7	358.4	367.3	378.2	391.9
27.5°	279.5	297.9	311.8	323.4	334.6	343.7	353.6	363.5	373.9	386.5	403.9
25°	284.8	302.5	315.3	327.1	337.5	347.0	357.2	367.4	380.2	397.1	419.8
22.5°	289.2	306.8	318.3	330.4	339.9	349.9	360.4	371.8	386.3	406.8	436.4
20°	292.6	309.3	321.0	332.9	341.9	352.5	363.2	375.6	393.0	419.6	454.0
17.5°	295.7	311.5	323.2	334.3	343.9	354.8	365.8	378.7	398.6	431.6	470.1
15°	298.5	313.3	324.9	335.6	345.6	356.5	368.0	382.8	405.9	443.2	484.7
12.5°	300.9	314.7	326.3	336.5	346.9	357.6	369.9	386.2	413.7	454.1	499.1
10°	303.0	315.8	327.2	337.1	347.9	358.3	371.4	388.5	419.3	460.2	507.7
7.5°	304.2	316.7	327.9	337.5	348.5	358.5	372.5	389.7	422.7	463.4	512.4
5°	304.8	317.4	328.7	338.1	349.2	359.0	373.4	389.8	424.2	464.0	514.1
2.5°	305.1	317.8	329.1	338.6	349.7	360.3	375.1	391.9	425.4	466.3	515.3
0°	304.8	318.0	329.3	338.7	349.9	361.2	376.3	393.2	425.2	468.5	515.5
-2.5°	305.1	317.8	329.1	338.6	349.7	360.3	375.1	391.9	425.4	466.3	515.3
-5°	304.8	317.4	328.7	338.1	349.2	359.0	373.4	389.8	424.2	464.0	514.1
-7.5°	304.2	316.7	327.9	337.5	348.5	358.5	372.5	389.7	422.7	463.4	512.4
-10°	303.0	315.8	327.2	337.1	347.9	358.3	371.4	388.5	419.3	460.2	507.7
-12.5°	300.9	314.7	326.3	336.5	346.9	357.6	369.9	386.2	413.7	454.1	499.1
-15°	298.5	313.3	324.9	335.6	345.6	356.5	368.0	382.8	405.9	443.2	484.7
-17.5°	295.7	311.5	323.2	334.3	343.9	354.8	365.8	378.7	398.6	431.6	470.1
-20°	292.6	309.3	321.0	332.9	341.9	352.5	363.2	375.6	393.0	419.6	454.0



REPORT NUMBER: P558952 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-930-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°	289.2	306.8	318.3	330.4	339.9	349.9	360.4	371.8	386.3	406.8	436.4
-25°	284.8	302.5	315.3	327.1	337.5	347.0	357.2	367.4	380.2	397.1	419.8
-27.5°	279.5	297.9	311.8	323.4	334.6	343.7	353.6	363.5	373.9	386.5	403.9
-30°	273.8	292.9	308.0	319.4	330.5	340.2	349.7	358.4	367.3	378.2	391.9
-32.5°	267.5	287.3	302.5	314.8	325.9	336.2	345.0	353.1	361.2	370.3	380.8
-35°	260.1	279.8	296.3	309.7	320.9	331.1	339.9	347.8	354.8	362.9	371.4
-37.5°	251.4	271.9	289.6	303.5	315.0	325.2	334.4	342.2	349.3	355.1	362.5
-40°	242.4	263.6	281.1	295.9	308.3	318.6	327.9	336.2	343.4	348.9	354.4
-42.5°	232.8	253.4	271.6	288.0	300.0	310.8	320.9	329.2	336.5	342.2	347.2
-45°	221.5	242.8	261.5	277.2	291.0	302.1	312.0	321.6	328.7	335.2	339.8
-47.5°	209.7	231.3	249.7	266.3	280.3	292.2	302.4	311.7	320.2	326.7	332.7
-50°	197.1	218.0	237.5	253.6	268.4	280.9	291.6	301.3	309.8	317.2	323.3
-52.5°	182.9	204.2	223.0	240.1	255.0	268.3	279.6	289.7	298.5	306.6	313.3
-55°	168.4	188.8	207.8	224.7	240.1	253.6	266.4	276.7	286.1	294.0	302.3
-57.5°	153.7	172.7	191.1	208.3	223.4	237.6	250.2	262.5	271.9	280.3	288.7
-60°	138.6	156.2	173.2	189.9	205.8	219.5	232.6	244.3	255.2	265.6	273.4
-62.5°	123.3	139.5	155.2	170.4	185.4	200.3	213.2	224.8	235.8	245.3	254.4
-65°	108.3	122.7	137.1	151.0	164.3	177.9	191.3	204.2	214.8	223.5	232.0
-67.5°	93.0	105.9	118.8	131.6	143.8	155.4	167.3	179.0	190.2	199.7	208.2
-70°	78.1	88.9	100.1	111.5	122.6	132.8	142.8	153.0	163.1	172.1	180.2
-72.5°	63.2	72.7	82.0	91.0	100.6	109.8	118.5	126.6	134.7	142.7	150.4
-75°	50.8	56.5	64.3	72.2	79.6	87.0	94.5	101.7	108.0	114.0	119.9
-77.5°	40.1	44.4	49.0	54.1	58.9	64.5	70.3	76.1	81.3	85.9	89.9
-80°	29.9	32.0	35.0	38.3	41.8	45.1	48.4	51.4	54.8	58.5	62.3
-82.5°	20.8	22.6	24.1	25.4	26.8	28.0	29.4	31.6	34.4	37.2	39.7
-85°	12.2	13.2	14.5	15.7	16.8	17.7	18.6	19.4	20.5	21.7	22.8
-87.5°	6.1	6.6	7.1	7.6	8.0	8.5	8.9	9.3	9.7	10.1	10.5
-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: P558952 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-930-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°	10.8	10.7	10.6	10.4	10.2	10.4	10.6	10.8	10.9	11.0	11.1
85°	24.0	25.0	26.0	27.0	28.1	28.8	29.5	30.1	30.6	31.0	31.4
82.5°	42.0	44.2	46.1	47.9	49.5	50.8	52.0	53.0	53.9	54.7	55.3
80°	65.6	68.9	72.0	74.8	77.5	79.6	81.4	82.8	84.0	85.3	86.4
77.5°	93.9	98.4	102.7	106.6	110.1	113.0	115.6	117.8	119.6	121.9	124.0
75°	125.7	131.2	136.2	140.7	144.9	148.7	152.0	154.9	157.4	159.9	162.0
72.5°	157.6	164.2	169.9	174.8	179.3	183.6	187.8	191.7	195.3	198.0	200.0
70°	187.7	194.4	200.6	206.2	211.3	216.7	222.1	227.1	231.7	234.7	236.4
67.5°	215.2	222.1	229.1	236.0	242.1	247.7	253.2	258.2	262.6	265.7	267.6
65°	240.1	247.7	255.2	262.3	268.8	273.5	278.5	283.2	287.7	291.2	293.8
62.5°	263.3	270.8	277.2	283.2	288.7	293.5	298.4	302.7	306.5	309.9	313.0
60°	281.1	288.7	294.9	300.5	305.6	310.4	314.2	317.5	320.1	322.2	324.2
57.5°	296.3	303.6	309.9	314.5	319.1	323.6	326.9	329.0	330.5	331.6	332.5
55°	309.5	315.3	320.5	325.6	330.2	334.1	337.0	338.3	339.2	339.6	340.0
52.5°	320.0	325.7	331.1	335.9	339.5	342.8	345.7	346.4	346.8	347.0	347.1
50°	329.6	335.2	339.5	343.6	347.2	350.2	352.7	353.8	354.5	354.6	354.2
47.5°	337.4	342.2	346.9	351.1	354.8	358.3	361.1	362.7	363.9	364.4	364.3
45°	344.2	349.9	354.9	359.8	364.1	368.6	372.5	375.1	377.7	379.5	380.4
42.5°	352.4	358.0	363.6	370.2	376.5	382.4	388.7	394.4	400.2	406.4	410.7
40°	360.6	366.7	375.2	383.3	392.4	400.6	414.1	427.5	437.7	446.4	454.3
37.5°	370.0	378.8	389.1	399.5	414.4	429.7	446.7	463.4	477.9	490.9	501.5
35°	380.7	392.7	405.2	423.8	442.7	461.7	481.9	504.1	522.9	536.6	546.5
32.5°	393.9	409.0	429.1	452.9	476.1	500.6	525.2	549.9	568.4	587.5	606.7
30°	408.6	430.2	456.3	485.2	514.2	543.5	574.3	608.5	641.1	676.1	726.2
27.5°	427.3	453.7	484.3	518.4	553.3	588.3	642.0	700.8	788.1	857.8	976.1
25°	447.2	478.1	514.6	554.2	596.8	659.4	757.7	873.7	1079.4	1238.9	1480.8
22.5°	469.4	505.8	546.1	591.6	660.2	778.6	946.6	1244.6	1659.3	2068.7	2524.2
20°	491.3	531.6	575.7	644.5	761.2	948.4	1312.1	1956.4	2676.1	3700.7	4560.7
17.5°	512.1	554.8	610.9	703.9	878.7	1255.1	1959.6	3063.2	4566.3	6218.0	7595.3
15°	530.3	574.0	649.5	796.9	1092.1	1678.4	2742.1	4620.5	7145.9	9407.3	11424.2
12.5°	545.8	597.5	691.3	871.9	1277.5	2145.3	3851.6	6518.9	9602.8	12774.1	15326.7
10°	557.0	622.5	747.3	1010.7	1572.0	2701.0	4776.4	8140.8	11854.0	15708.6	20322.8
7.5°	563.8	640.3	789.7	1113.8	1834.6	3319.6	5936.4	9589.0	13853.1	19115.0	26164.9
5°	568.6	652.3	821.1	1191.4	2010.1	3728.6	6668.8	10686.2	15577.9	23186.3	37695.6
2.5°	571.0	657.7	839.0	1234.0	2090.1	3938.8	7184.2	11314.4	16627.4	26058.4	45683.3
0°	570.1	654.7	841.0	1243.6	2101.6	4099.7	7269.9	11493.8	16982.0	26315.9	48244.2
-2.5°	571.0	657.7	839.0	1234.0	2090.1	3938.8	7184.2	11314.4	16627.4	26058.4	45683.3
-5°	568.6	652.3	821.1	1191.4	2010.1	3728.6	6668.8	10686.2	15577.9	23186.3	37695.6
-7.5°	563.8	640.3	789.7	1113.8	1834.6	3319.6	5936.4	9589.0	13853.1	19115.0	26164.9
-10°	557.0	622.5	747.3	1010.7	1572.0	2701.0	4776.4	8140.8	11854.0	15708.6	20322.8
-12.5°	545.8	597.5	691.3	871.9	1277.5	2145.3	3851.6	6518.9	9602.8	12774.1	15326.7
-15°	530.3	574.0	649.5	796.9	1092.1	1678.4	2742.1	4620.5	7145.9	9407.3	11424.2
-17.5°	512.1	554.8	610.9	703.9	878.7	1255.1	1959.6	3063.2	4566.3	6218.0	7595.3
-20°	491.3	531.6	575.7	644.5	761.2	948.4	1312.1	1956.4	2676.1	3700.7	4560.7



REPORT NUMBER: P558952 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-930-U-TS-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	469.4	505.8	546.1	591.6	660.2	778.6	946.6	1244.6	1659.3	2068.7	2524.2
-25°	447.2	478.1	514.6	554.2	596.8	659.4	757.7	873.7	1079.4	1238.9	1480.8
-27.5°	427.3	453.7	484.3	518.4	553.3	588.3	642.0	700.8	788.1	857.8	976.1
-30°	408.6	430.2	456.3	485.2	514.2	543.5	574.3	608.5	641.1	676.1	726.2
-32.5°	393.9	409.0	429.1	452.9	476.1	500.6	525.2	549.9	568.4	587.5	606.7
-35°	380.7	392.7	405.2	423.8	442.7	461.7	481.9	504.1	522.9	536.6	546.5
-37.5°	370.0	378.8	389.1	399.5	414.4	429.7	446.7	463.4	477.9	490.9	501.5
-40°	360.6	366.7	375.2	383.3	392.4	400.6	414.1	427.5	437.7	446.4	454.3
-42.5°	352.4	358.0	363.6	370.2	376.5	382.4	388.7	394.4	400.2	406.4	410.7
-45°	344.2	349.9	354.9	359.8	364.1	368.6	372.5	375.1	377.7	379.5	380.4
-47.5°	337.4	342.2	346.9	351.1	354.8	358.3	361.1	362.7	363.9	364.4	364.3
-50°	329.6	335.2	339.5	343.6	347.2	350.2	352.7	353.8	354.5	354.6	354.2
-52.5°	320.0	325.7	331.1	335.9	339.5	342.8	345.7	346.4	346.8	347.0	347.1
-55°	309.5	315.3	320.5	325.6	330.2	334.1	337.0	338.3	339.2	339.6	340.0
-57.5°	296.3	303.6	309.9	314.5	319.1	323.6	326.9	329.0	330.5	331.6	332.5
-60°	281.1	288.7	294.9	300.5	305.6	310.4	314.2	317.5	320.1	322.2	324.2
-62.5°	263.3	270.8	277.2	283.2	288.7	293.5	298.4	302.7	306.5	309.9	313.0
-65°	240.1	247.7	255.2	262.3	268.8	273.5	278.5	283.2	287.7	291.2	293.8
-67.5°	215.2	222.1	229.1	236.0	242.1	247.7	253.2	258.2	262.6	265.7	267.6
-70°	187.7	194.4	200.6	206.2	211.3	216.7	222.1	227.1	231.7	234.7	236.4
-72.5°	157.6	164.2	169.9	174.8	179.3	183.6	187.8	191.7	195.3	198.0	200.0
-75°	125.7	131.2	136.2	140.7	144.9	148.7	152.0	154.9	157.4	159.9	162.0
-77.5°	93.9	98.4	102.7	106.6	110.1	113.0	115.6	117.8	119.6	121.9	124.0
-80°	65.6	68.9	72.0	74.8	77.5	79.6	81.4	82.8	84.0	85.3	86.4
-82.5°	42.0	44.2	46.1	47.9	49.5	50.8	52.0	53.0	53.9	54.7	55.3
-85°	24.0	25.0	26.0	27.0	28.1	28.8	29.5	30.1	30.6	31.0	31.4
-87.5°	10.8	10.7	10.6	10.4	10.2	10.4	10.6	10.8	10.9	11.0	11.1
-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: P558952 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-930-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°	11.2	11.3	11.3	11.3	11.3	11.3	11.2	11.1	11.0	10.9	10.8
85°	31.6	31.8	32.0	32.0	32.0	31.8	31.6	31.4	31.0	30.6	30.1
82.5°	55.8	56.1	56.3	56.4	56.3	56.1	55.8	55.3	54.7	53.9	53.0
80°	87.3	87.9	88.3	88.4	88.3	87.9	87.3	86.4	85.3	84.0	82.8
77.5°	125.7	127.1	127.7	127.9	127.7	127.1	125.7	124.0	121.9	119.6	117.8
75°	163.6	164.7	165.4	165.6	165.4	164.7	163.6	162.0	159.9	157.4	154.9
72.5°	201.4	202.2	203.8	205.1	203.8	202.2	201.4	200.0	198.0	195.3	191.7
70°	237.4	237.9	239.5	240.8	239.5	237.9	237.4	236.4	234.7	231.7	227.1
67.5°	268.9	269.8	269.8	269.0	269.8	269.8	268.9	267.6	265.7	262.6	258.2
65°	296.1	298.0	298.1	297.3	298.1	298.0	296.1	293.8	291.2	287.7	283.2
62.5°	315.9	318.5	319.6	319.8	319.6	318.5	315.9	313.0	309.9	306.5	302.7
60°	325.7	326.9	327.3	327.4	327.3	326.9	325.7	324.2	322.2	320.1	317.5
57.5°	332.9	332.8	332.9	333.0	332.9	332.8	332.9	332.5	331.6	330.5	329.0
55°	340.3	340.3	339.7	338.7	339.7	340.3	340.3	340.0	339.6	339.2	338.3
52.5°	346.9	346.3	345.4	344.3	345.4	346.3	346.9	347.1	347.0	346.8	346.4
50°	353.4	352.2	351.7	351.8	351.7	352.2	353.4	354.2	354.6	354.5	353.8
47.5°	364.0	363.2	362.9	363.1	362.9	363.2	364.0	364.3	364.4	363.9	362.7
45°	380.7	380.1	379.7	380.1	379.7	380.1	380.7	380.4	379.5	377.7	375.1
42.5°	413.0	413.3	413.1	413.9	413.1	413.3	413.0	410.7	406.4	400.2	394.4
40°	457.4	457.2	455.7	455.3	455.7	457.2	457.4	454.3	446.4	437.7	427.5
37.5°	505.9	505.9	504.4	504.2	504.4	505.9	505.9	501.5	490.9	477.9	463.4
35°	551.6	553.3	553.0	551.3	553.0	553.3	551.6	546.5	536.6	522.9	504.1
32.5°	620.3	630.9	636.4	634.0	636.4	630.9	620.3	606.7	587.5	568.4	549.9
30°	757.7	784.8	799.1	805.3	799.1	784.8	757.7	726.2	676.1	641.1	608.5
27.5°	1060.8	1120.6	1147.5	1157.1	1147.5	1120.6	1060.8	976.1	857.8	788.1	700.8
25°	1692.2	1827.3	1893.8	1915.3	1893.8	1827.3	1692.2	1480.8	1238.9	1079.4	873.7
22.5°	3025.8	3286.0	3463.8	3503.3	3463.8	3286.0	3025.8	2524.2	2068.7	1659.3	1244.6
20°	5425.4	5928.5	6201.3	6176.8	6201.3	5928.5	5425.4	4560.7	3700.7	2676.1	1956.4
17.5°	8766.0	9411.1	9718.2	9574.7	9718.2	9411.1	8766.0	7595.3	6218.0	4566.3	3063.2
15°	12850.7	13722.2	14102.4	14220.0	14102.4	13722.2	12850.7	11424.2	9407.3	7145.9	4620.5
12.5°	17874.7	20732.0	22098.4	22464.5	22098.4	20732.0	17874.7	15326.7	12774.1	9602.8	6518.9
10°	25042.5	34647.1	40360.1	41755.0	40360.1	34647.1	25042.5	20322.8	15708.6	11854.0	8140.8
7.5°	40896.7	60414.0	82277.9	92631.4	82277.9	60414.0	40896.7	26164.9	19115.0	13853.1	9589.0
5°	62367.3	108243.5	158865.0	178709.6	158865.0	108243.5	62367.3	37695.6	23186.3	15577.9	10686.2
2.5°	88468.4	163439.3	233386.0	259460.6	233386.0	163439.3	88468.4	45683.3	26058.4	16627.4	11314.4
0°	99495.9	188427.3	257140.7	279476.4	257140.7	188427.3	99495.9	48244.2	26315.9	16982.0	11493.8
-2.5°	88468.4	163439.3	233386.0	259460.5	233386.0	163439.3	88468.4	45683.3	26058.4	16627.4	11314.4
-5°	62367.3	108243.5	158865.0	178709.6	158865.0	108243.5	62367.3	37695.6	23186.3	15577.9	10686.2
-7.5°	40896.7	60414.0	82277.9	92631.4	82277.9	60414.0	40896.7	26164.9	19115.0	13853.1	9589.0
-10°	25042.5	34647.1	40360.1	41755.0	40360.1	34647.1	25042.5	20322.8	15708.6	11854.0	8140.8
-12.5°	17874.7	20732.0	22098.4	22464.5	22098.4	20732.0	17874.7	15326.7	12774.1	9602.8	6518.9
-15°	12850.7	13722.2	14102.4	14220.0	14102.4	13722.2	12850.7	11424.2	9407.3	7145.9	4620.5
-17.5°	8766.0	9411.1	9718.2	9574.7	9718.2	9411.1	8766.0	7595.3	6218.0	4566.3	3063.2
-20°	5425.4	5928.5	6201.3	6176.8	6201.3	5928.5	5425.4	4560.7	3700.7	2676.1	1956.4



REPORT NUMBER: P558952 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-930-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°	3025.8	3286.0	3463.8	3503.3	3463.8	3286.0	3025.8	2524.2	2068.7	1659.3	1244.6
-25°	1692.2	1827.3	1893.8	1915.3	1893.8	1827.3	1692.2	1480.8	1238.9	1079.4	873.7
-27.5°	1060.8	1120.6	1147.5	1157.1	1147.5	1120.6	1060.8	976.1	857.8	788.1	700.8
-30°	757.7	784.8	799.1	805.3	799.1	784.8	757.7	726.2	676.1	641.1	608.5
-32.5°	620.3	630.9	636.4	634.0	636.4	630.9	620.3	606.7	587.5	568.4	549.9
-35°	551.6	553.3	553.0	551.3	553.0	553.3	551.6	546.5	536.6	522.9	504.1
-37.5°	505.9	505.9	504.4	504.2	504.4	505.9	505.9	501.5	490.9	477.9	463.4
-40°	457.4	457.2	455.7	455.3	455.7	457.2	457.4	454.3	446.4	437.7	427.5
-42.5°	413.0	413.3	413.1	413.9	413.1	413.3	413.0	410.7	406.4	400.2	394.4
-45°	380.7	380.1	379.7	380.1	379.7	380.1	380.7	380.4	379.5	377.7	375.1
-47.5°	364.0	363.2	362.9	363.1	362.9	363.2	364.0	364.3	364.4	363.9	362.7
-50°	353.4	352.2	351.7	351.8	351.7	352.2	353.4	354.2	354.6	354.5	353.8
-52.5°	346.9	346.3	345.4	344.3	345.4	346.3	346.9	347.1	347.0	346.8	346.4
-55°	340.3	340.3	339.7	338.7	339.7	340.3	340.3	340.0	339.6	339.2	338.3
-57.5°	332.9	332.8	332.9	333.0	332.9	332.8	332.9	332.5	331.6	330.5	329.0
-60°	325.7	326.9	327.3	327.4	327.3	326.9	325.7	324.2	322.2	320.1	317.5
-62.5°	315.9	318.5	319.6	319.8	319.6	318.5	315.9	313.0	309.9	306.5	302.7
-65°	296.1	298.0	298.1	297.3	298.1	298.0	296.1	293.8	291.2	287.7	283.2
-67.5°	268.9	269.8	269.8	269.0	269.8	269.8	268.9	267.6	265.7	262.6	258.2
-70°	237.4	237.9	239.5	240.8	239.5	237.9	237.4	236.4	234.7	231.7	227.1
-72.5°	201.4	202.2	203.8	205.1	203.8	202.2	201.4	200.0	198.0	195.3	191.7
-75°	163.6	164.7	165.4	165.6	165.4	164.7	163.6	162.0	159.9	157.4	154.9
-77.5°	125.7	127.1	127.7	127.9	127.7	127.1	125.7	124.0	121.9	119.6	117.8
-80°	87.3	87.9	88.3	88.4	88.3	87.9	87.3	86.4	85.3	84.0	82.8
-82.5°	55.8	56.1	56.3	56.4	56.3	56.1	55.8	55.3	54.7	53.9	53.0
-85°	31.6	31.8	32.0	32.0	32.0	31.8	31.6	31.4	31.0	30.6	30.1
-87.5°	11.2	11.3	11.3	11.3	11.3	11.3	11.2	11.1	11.0	10.9	10.8
-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: P558952 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-930-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°	10.6	10.4	10.2	10.4	10.6	10.7	10.8	10.5	10.1	9.7	9.3
85°	29.5	28.8	28.1	27.0	26.0	25.0	24.0	22.8	21.7	20.5	19.4
82.5°	52.0	50.8	49.5	47.9	46.1	44.2	42.0	39.7	37.2	34.4	31.6
80°	81.4	79.6	77.5	74.8	72.0	68.9	65.6	62.3	58.5	54.8	51.4
77.5°	115.6	113.0	110.1	106.6	102.7	98.4	93.9	89.9	85.9	81.3	76.1
75°	152.0	148.7	144.9	140.7	136.2	131.2	125.7	119.9	114.0	108.0	101.7
72.5°	187.8	183.6	179.3	174.8	169.9	164.2	157.6	150.4	142.7	134.7	126.6
70°	222.1	216.7	211.3	206.2	200.6	194.4	187.7	180.2	172.1	163.1	153.0
67.5°	253.2	247.7	242.1	236.0	229.1	222.1	215.2	208.2	199.7	190.2	179.0
65°	278.5	273.5	268.8	262.3	255.2	247.7	240.1	232.0	223.5	214.8	204.2
62.5°	298.4	293.5	288.7	283.2	277.2	270.8	263.3	254.4	245.3	235.8	224.8
60°	314.2	310.4	305.6	300.5	294.9	288.7	281.1	273.4	265.6	255.2	244.3
57.5°	326.9	323.6	319.1	314.5	309.9	303.6	296.3	288.7	280.3	271.9	262.5
55°	337.0	334.1	330.2	325.6	320.5	315.3	309.5	302.3	294.0	286.1	276.7
52.5°	345.7	342.8	339.5	335.9	331.1	325.7	320.0	313.3	306.6	298.5	289.7
50°	352.7	350.2	347.2	343.6	339.5	335.2	329.6	323.3	317.2	309.8	301.3
47.5°	361.1	358.3	354.8	351.1	346.9	342.2	337.4	332.7	326.7	320.2	311.7
45°	372.5	368.6	364.1	359.8	354.9	349.9	344.2	339.8	335.2	328.7	321.6
42.5°	388.7	382.4	376.5	370.2	363.6	358.0	352.4	347.2	342.2	336.5	329.2
40°	414.1	400.6	392.4	383.3	375.2	366.7	360.6	354.4	348.9	343.4	336.2
37.5°	446.7	429.7	414.4	399.5	389.1	378.8	370.0	362.5	355.1	349.3	342.2
35°	481.9	461.7	442.7	423.8	405.2	392.7	380.7	371.4	362.9	354.8	347.8
32.5°	525.2	500.6	476.1	452.9	429.1	409.0	393.9	380.8	370.3	361.2	353.1
30°	574.3	543.5	514.2	485.2	456.3	430.2	408.6	391.9	378.2	367.3	358.4
27.5°	642.0	588.3	553.3	518.4	484.3	453.7	427.3	403.9	386.5	373.9	363.5
25°	757.7	659.4	596.8	554.2	514.6	478.1	447.2	419.8	397.1	380.2	367.4
22.5°	946.6	778.6	660.2	591.6	546.1	505.8	469.4	436.4	406.8	386.3	371.8
20°	1312.1	948.4	761.2	644.5	575.7	531.6	491.3	454.0	419.6	393.0	375.6
17.5°	1959.6	1255.1	878.7	703.9	610.9	554.8	512.1	470.1	431.6	398.6	378.7
15°	2742.1	1678.4	1092.1	796.9	649.5	574.0	530.3	484.7	443.2	405.9	382.8
12.5°	3851.6	2145.3	1277.5	871.9	691.3	597.5	545.8	499.1	454.1	413.7	386.2
10°	4776.4	2701.0	1572.0	1010.7	747.3	622.5	557.0	507.7	460.2	419.3	388.5
7.5°	5936.4	3319.6	1834.6	1113.8	789.7	640.3	563.8	512.4	463.4	422.7	389.7
5°	6668.8	3728.6	2010.1	1191.4	821.1	652.3	568.6	514.1	464.0	424.2	389.8
2.5°	7184.2	3938.8	2090.1	1234.0	839.0	657.7	571.0	515.3	466.3	425.4	391.9
0°	7269.9	4099.7	2101.6	1243.6	841.0	654.7	570.1	515.5	468.5	425.2	393.2
-2.5°	7184.2	3938.8	2090.1	1234.0	839.0	657.7	571.0	515.3	466.3	425.4	391.9
-5°	6668.8	3728.6	2010.1	1191.4	821.1	652.3	568.6	514.1	464.0	424.2	389.8
-7.5°	5936.4	3319.6	1834.6	1113.8	789.7	640.3	563.8	512.4	463.4	422.7	389.7
-10°	4776.4	2701.0	1572.0	1010.7	747.3	622.5	557.0	507.7	460.2	419.3	388.5
-12.5°	3851.6	2145.3	1277.5	871.9	691.3	597.5	545.8	499.1	454.1	413.7	386.2
-15°	2742.1	1678.4	1092.1	796.9	649.5	574.0	530.3	484.7	443.2	405.9	382.8
-17.5°	1959.6	1255.1	878.7	703.9	610.9	554.8	512.1	470.1	431.6	398.6	378.7
-20°	1312.1	948.4	761.2	644.5	575.7	531.6	491.3	454.0	419.6	393.0	375.6



REPORT NUMBER: P558952 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-930-U-TS-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	946.6	778.6	660.2	591.6	546.1	505.8	469.4	436.4	406.8	386.3	371.8
-25°	757.7	659.4	596.8	554.2	514.6	478.1	447.2	419.8	397.1	380.2	367.4
-27.5°	642.0	588.3	553.3	518.4	484.3	453.7	427.3	403.9	386.5	373.9	363.5
-30°	574.3	543.5	514.2	485.2	456.3	430.2	408.6	391.9	378.2	367.3	358.4
-32.5°	525.2	500.6	476.1	452.9	429.1	409.0	393.9	380.8	370.3	361.2	353.1
-35°	481.9	461.7	442.7	423.8	405.2	392.7	380.7	371.4	362.9	354.8	347.8
-37.5°	446.7	429.7	414.4	399.5	389.1	378.8	370.0	362.5	355.1	349.3	342.2
-40°	414.1	400.6	392.4	383.3	375.2	366.7	360.6	354.4	348.9	343.4	336.2
-42.5°	388.7	382.4	376.5	370.2	363.6	358.0	352.4	347.2	342.2	336.5	329.2
-45°	372.5	368.6	364.1	359.8	354.9	349.9	344.2	339.8	335.2	328.7	321.6
-47.5°	361.1	358.3	354.8	351.1	346.9	342.2	337.4	332.7	326.7	320.2	311.7
-50°	352.7	350.2	347.2	343.6	339.5	335.2	329.6	323.3	317.2	309.8	301.3
-52.5°	345.7	342.8	339.5	335.9	331.1	325.7	320.0	313.3	306.6	298.5	289.7
-55°	337.0	334.1	330.2	325.6	320.5	315.3	309.5	302.3	294.0	286.1	276.7
-57.5°	326.9	323.6	319.1	314.5	309.9	303.6	296.3	288.7	280.3	271.9	262.5
-60°	314.2	310.4	305.6	300.5	294.9	288.7	281.1	273.4	265.6	255.2	244.3
-62.5°	298.4	293.5	288.7	283.2	277.2	270.8	263.3	254.4	245.3	235.8	224.8
-65°	278.5	273.5	268.8	262.3	255.2	247.7	240.1	232.0	223.5	214.8	204.2
-67.5°	253.2	247.7	242.1	236.0	229.1	222.1	215.2	208.2	199.7	190.2	179.0
-70°	222.1	216.7	211.3	206.2	200.6	194.4	187.7	180.2	172.1	163.1	153.0
-72.5°	187.8	183.6	179.3	174.8	169.9	164.2	157.6	150.4	142.7	134.7	126.6
-75°	152.0	148.7	144.9	140.7	136.2	131.2	125.7	119.9	114.0	108.0	101.7
-77.5°	115.6	113.0	110.1	106.6	102.7	98.4	93.9	89.9	85.9	81.3	76.1
-80°	81.4	79.6	77.5	74.8	72.0	68.9	65.6	62.3	58.5	54.8	51.4
-82.5°	52.0	50.8	49.5	47.9	46.1	44.2	42.0	39.7	37.2	34.4	31.6
-85°	29.5	28.8	28.1	27.0	26.0	25.0	24.0	22.8	21.7	20.5	19.4
-87.5°	10.6	10.4	10.2	10.4	10.6	10.7	10.8	10.5	10.1	9.7	9.3
-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: P558952 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-930-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°	8.9	8.5	8.0	7.6	7.1	6.6	6.1	5.6	5.1	4.5	4.0
85°	18.6	17.7	16.8	15.7	14.5	13.2	12.2	11.1	10.1	9.0	7.9
82.5°	29.4	28.0	26.8	25.4	24.1	22.6	20.8	18.7	16.1	13.7	11.9
80°	48.4	45.1	41.8	38.3	35.0	32.0	29.9	27.3	23.8	20.3	17.0
77.5°	70.3	64.5	58.9	54.1	49.0	44.4	40.1	36.0	31.3	26.9	22.7
75°	94.5	87.0	79.6	72.2	64.3	56.5	50.8	45.3	39.6	33.6	28.3
72.5°	118.5	109.8	100.6	91.0	82.0	72.7	63.2	54.6	48.1	41.3	34.1
70°	142.8	132.8	122.6	111.5	100.1	88.9	78.1	67.2	56.7	49.0	41.0
67.5°	167.3	155.4	143.8	131.6	118.8	105.9	93.0	80.4	68.3	56.7	47.8
65°	191.3	177.9	164.3	151.0	137.1	122.7	108.3	93.6	79.7	66.6	54.5
62.5°	213.2	200.3	185.4	170.4	155.2	139.5	123.3	107.3	91.0	76.2	62.2
60°	232.6	219.5	205.8	189.9	173.2	156.2	138.6	120.6	103.1	85.5	70.3
57.5°	250.2	237.6	223.4	208.3	191.1	172.7	153.7	134.2	114.8	95.7	78.0
55°	266.4	253.6	240.1	224.7	207.8	188.8	168.4	147.5	126.4	105.9	85.7
52.5°	279.6	268.3	255.0	240.1	223.0	204.2	182.9	160.5	138.1	115.8	94.3
50°	291.6	280.9	268.4	253.6	237.5	218.0	197.1	173.5	149.5	125.5	102.8
47.5°	302.4	292.2	280.3	266.3	249.7	231.3	209.7	186.0	160.4	135.2	110.9
45°	312.0	302.1	291.0	277.2	261.5	242.8	221.5	198.3	171.4	144.7	118.7
42.5°	320.9	310.8	300.0	288.0	271.6	253.4	232.8	208.8	182.0	153.7	126.4
40°	327.9	318.6	308.3	295.9	281.1	263.6	242.4	218.6	192.2	162.5	133.9
37.5°	334.4	325.2	315.0	303.5	289.6	271.9	251.4	227.9	201.4	171.0	141.1
35°	339.9	331.1	320.9	309.7	296.3	279.8	260.1	236.4	209.2	179.1	147.9
32.5°	345.0	336.2	325.9	314.8	302.5	287.3	267.5	243.6	216.5	186.5	154.2
30°	349.7	340.2	330.5	319.4	308.0	292.9	273.8	250.3	223.3	193.5	160.2
27.5°	353.6	343.7	334.6	323.4	311.8	297.9	279.5	256.5	229.6	199.6	165.8
25°	357.2	347.0	337.5	327.1	315.3	302.5	284.8	262.1	234.9	204.6	170.9
22.5°	360.4	349.9	339.9	330.4	318.3	306.8	289.2	266.5	239.5	209.2	175.5
20°	363.2	352.5	341.9	332.9	321.0	309.3	292.6	270.4	243.6	213.3	179.7
17.5°	365.8	354.8	343.9	334.3	323.2	311.5	295.7	273.9	247.2	217.0	183.2
15°	368.0	356.5	345.6	335.6	324.9	313.3	298.5	276.9	250.3	220.1	186.3
12.5°	369.9	357.6	346.9	336.5	326.3	314.7	300.9	279.5	252.9	222.6	188.9
10°	371.4	358.3	347.9	337.1	327.2	315.8	303.0	281.6	254.9	224.7	190.9
7.5°	372.5	358.5	348.5	337.5	327.9	316.7	304.2	283.0	256.5	226.3	192.4
5°	373.4	359.0	349.2	338.1	328.7	317.4	304.8	283.9	257.5	227.3	193.4
2.5°	375.1	360.3	349.7	338.6	329.1	317.8	305.1	284.3	257.9	227.8	193.9
0°	376.3	361.2	349.9	338.7	329.3	318.0	304.8	284.1	257.8	227.7	193.8
-2.5°	375.1	360.3	349.7	338.6	329.1	317.8	305.1	284.3	257.9	227.8	193.9
-5°	373.4	359.0	349.2	338.1	328.7	317.4	304.8	283.9	257.5	227.3	193.4
-7.5°	372.5	358.5	348.5	337.5	327.9	316.7	304.2	283.0	256.5	226.3	192.4
-10°	371.4	358.3	347.9	337.1	327.2	315.8	303.0	281.6	254.9	224.7	190.9
-12.5°	369.9	357.6	346.9	336.5	326.3	314.7	300.9	279.5	252.9	222.6	188.9
-15°	368.0	356.5	345.6	335.6	324.9	313.3	298.5	276.9	250.3	220.1	186.3
-17.5°	365.8	354.8	343.9	334.3	323.2	311.5	295.7	273.9	247.2	217.0	183.2
-20°	363.2	352.5	341.9	332.9	321.0	309.3	292.6	270.4	243.6	213.3	179.7



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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°	360.4	349.9	339.9	330.4	318.3	306.8	289.2	266.5	239.5	209.2	175.5
-25°	357.2	347.0	337.5	327.1	315.3	302.5	284.8	262.1	234.9	204.6	170.9
-27.5°	353.6	343.7	334.6	323.4	311.8	297.9	279.5	256.5	229.6	199.6	165.8
-30°	349.7	340.2	330.5	319.4	308.0	292.9	273.8	250.3	223.3	193.5	160.2
-32.5°	345.0	336.2	325.9	314.8	302.5	287.3	267.5	243.6	216.5	186.5	154.2
-35°	339.9	331.1	320.9	309.7	296.3	279.8	260.1	236.4	209.2	179.1	147.9
-37.5°	334.4	325.2	315.0	303.5	289.6	271.9	251.4	227.9	201.4	171.0	141.1
-40°	327.9	318.6	308.3	295.9	281.1	263.6	242.4	218.6	192.2	162.5	133.9
-42.5°	320.9	310.8	300.0	288.0	271.6	253.4	232.8	208.8	182.0	153.7	126.4
-45°	312.0	302.1	291.0	277.2	261.5	242.8	221.5	198.3	171.4	144.7	118.7
-47.5°	302.4	292.2	280.3	266.3	249.7	231.3	209.7	186.0	160.4	135.2	110.9
-50°	291.6	280.9	268.4	253.6	237.5	218.0	197.1	173.5	149.5	125.5	102.8
-52.5°	279.6	268.3	255.0	240.1	223.0	204.2	182.9	160.5	138.1	115.8	94.3
-55°	266.4	253.6	240.1	224.7	207.8	188.8	168.4	147.5	126.4	105.9	85.7
-57.5°	250.2	237.6	223.4	208.3	191.1	172.7	153.7	134.2	114.8	95.7	78.0
-60°	232.6	219.5	205.8	189.9	173.2	156.2	138.6	120.6	103.1	85.5	70.3
-62.5°	213.2	200.3	185.4	170.4	155.2	139.5	123.3	107.3	91.0	76.2	62.2
-65°	191.3	177.9	164.3	151.0	137.1	122.7	108.3	93.6	79.7	66.6	54.5
-67.5°	167.3	155.4	143.8	131.6	118.8	105.9	93.0	80.4	68.3	56.7	47.8
-70°	142.8	132.8	122.6	111.5	100.1	88.9	78.1	67.2	56.7	49.0	41.0
-72.5°	118.5	109.8	100.6	91.0	82.0	72.7	63.2	54.6	48.1	41.3	34.1
-75°	94.5	87.0	79.6	72.2	64.3	56.5	50.8	45.3	39.6	33.6	28.3
-77.5°	70.3	64.5	58.9	54.1	49.0	44.4	40.1	36.0	31.3	26.9	22.7
-80°	48.4	45.1	41.8	38.3	35.0	32.0	29.9	27.3	23.8	20.3	17.0
-82.5°	29.4	28.0	26.8	25.4	24.1	22.6	20.8	18.7	16.1	13.7	11.9
-85°	18.6	17.7	16.8	15.7	14.5	13.2	12.2	11.1	10.1	9.0	7.9
-87.5°	8.9	8.5	8.0	7.6	7.1	6.6	6.1	5.6	5.1	4.5	4.0
-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°	3.4	3.0	2.5	1.9	1.3	0.7	0.0
85°	6.8	5.9	4.9	3.8	2.6	1.3	0.0
82.5°	10.2	8.9	7.4	5.7	3.9	2.0	0.0
80°	13.8	11.8	9.8	7.6	5.2	2.6	0.0
77.5°	18.6	15.1	12.2	9.5	6.5	3.3	0.0
75°	23.4	19.1	14.8	11.4	7.8	3.9	0.0
72.5°	28.1	23.0	17.9	13.2	9.1	4.5	0.0
70°	32.9	26.9	21.1	15.2	10.3	5.2	0.0
67.5°	38.8	30.8	24.1	17.5	11.5	5.8	0.0
65°	44.6	35.0	27.2	19.7	12.7	6.4	0.0
62.5°	50.3	39.7	30.1	22.0	13.9	7.0	0.0
60°	55.8	44.2	33.1	24.2	15.1	7.5	0.0
57.5°	62.3	48.7	36.5	26.3	16.5	8.1	0.0
55°	68.9	52.9	39.9	28.4	17.8	8.7	0.0
52.5°	75.2	57.3	43.2	30.4	19.2	9.2	0.0
50°	81.4	62.4	46.4	32.3	20.5	9.7	0.0
47.5°	87.5	67.3	49.4	34.3	21.7	10.2	0.0
45°	94.1	72.1	52.3	36.5	22.9	10.7	0.0
42.5°	100.5	76.7	55.1	38.6	24.0	11.1	0.0
40°	106.5	81.0	58.1	40.5	25.1	11.6	0.0
37.5°	112.2	85.1	61.4	42.3	26.1	12.0	0.0
35°	117.5	89.4	64.6	44.0	27.1	12.4	0.0
32.5°	122.6	93.6	67.5	45.6	28.0	12.7	0.0
30°	127.7	97.5	70.2	47.0	28.9	13.1	0.0
27.5°	132.4	101.1	72.7	48.4	29.6	13.4	0.0
25°	136.7	104.3	75.0	49.6	30.4	13.7	0.0
22.5°	140.6	107.3	77.1	50.6	31.0	13.9	0.0
20°	144.1	110.0	79.0	51.6	31.6	14.2	0.0
17.5°	147.3	112.4	80.7	52.4	32.2	14.4	0.0
15°	150.1	114.5	82.2	53.1	32.6	14.6	0.0
12.5°	152.5	116.3	83.5	53.7	33.0	14.7	0.0
10°	154.5	117.8	84.6	54.1	33.3	14.9	0.0
7.5°	156.0	118.9	85.4	54.4	33.6	15.0	0.0
5°	157.1	119.7	86.0	54.6	33.8	15.0	0.0
2.5°	157.8	120.2	86.4	54.7	33.9	15.1	0.0
0°	158.0	120.4	86.5	54.6	33.9	15.1	0.0
-2.5°	157.8	120.2	86.4	54.7	33.9	15.1	0.0
-5°	157.1	119.7	86.0	54.6	33.8	15.0	0.0
-7.5°	156.0	118.9	85.4	54.4	33.6	15.0	0.0
-10°	154.5	117.8	84.6	54.1	33.3	14.9	0.0
-12.5°	152.5	116.3	83.5	53.7	33.0	14.7	0.0
-15°	150.1	114.5	82.2	53.1	32.6	14.6	0.0
-17.5°	147.3	112.4	80.7	52.4	32.2	14.4	0.0
-20°	144.1	110.0	79.0	51.6	31.6	14.2	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	140.6	107.3	77.1	50.6	31.0	13.9	0.0
-25°	136.7	104.3	75.0	49.6	30.4	13.7	0.0
-27.5°	132.4	101.1	72.7	48.4	29.6	13.4	0.0
-30°	127.7	97.5	70.2	47.0	28.9	13.1	0.0
-32.5°	122.6	93.6	67.5	45.6	28.0	12.7	0.0
-35°	117.5	89.4	64.6	44.0	27.1	12.4	0.0
-37.5°	112.2	85.1	61.4	42.3	26.1	12.0	0.0
-40°	106.5	81.0	58.1	40.5	25.1	11.6	0.0
-42.5°	100.5	76.7	55.1	38.6	24.0	11.1	0.0
-45°	94.1	72.1	52.3	36.5	22.9	10.7	0.0
-47.5°	87.5	67.3	49.4	34.3	21.7	10.2	0.0
-50°	81.4	62.4	46.4	32.3	20.5	9.7	0.0
-52.5°	75.2	57.3	43.2	30.4	19.2	9.2	0.0
-55°	68.9	52.9	39.9	28.4	17.8	8.7	0.0
-57.5°	62.3	48.7	36.5	26.3	16.5	8.1	0.0
-60°	55.8	44.2	33.1	24.2	15.1	7.5	0.0
-62.5°	50.3	39.7	30.1	22.0	13.9	7.0	0.0
-65°	44.6	35.0	27.2	19.7	12.7	6.4	0.0
-67.5°	38.8	30.8	24.1	17.5	11.5	5.8	0.0
-70°	32.9	26.9	21.1	15.2	10.3	5.2	0.0
-72.5°	28.1	23.0	17.9	13.2	9.1	4.5	0.0
-75°	23.4	19.1	14.8	11.4	7.8	3.9	0.0
-77.5°	18.6	15.1	12.2	9.5	6.5	3.3	0.0
-80°	13.8	11.8	9.8	7.6	5.2	2.6	0.0
-82.5°	10.2	8.9	7.4	5.7	3.9	2.0	0.0
-85°	6.8	5.9	4.9	3.8	2.6	1.3	0.0
-87.5°	3.4	3.0	2.5	1.9	1.3	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)