

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: P559016 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5B-930-U-TS-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559016 (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-SA5B-930-U-TS-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, TIGHT SPOT N2  
Light Source: (80) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

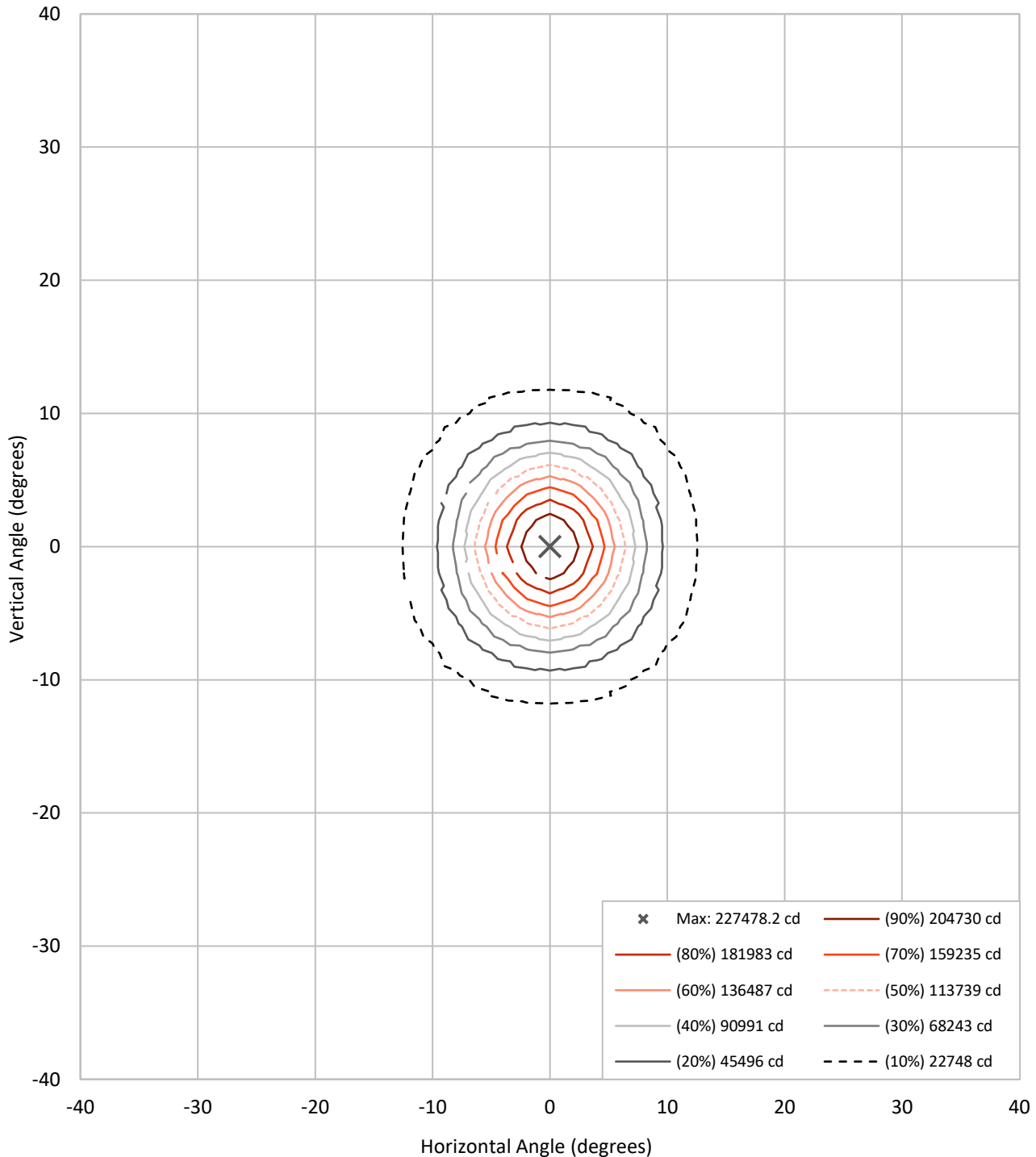
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	16489.2 lumens	Max Intensity:	227478.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	107.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	12.7°H x 12.3°V	Field Angle (10%):	24.6°H x 23.6°V
Beam Lumens:	5210.3 lumens	Field Lumens:	11542.6 lumens
Beam Efficiency:	31.6%	Field Efficiency:	70.0%

Input Watts (W): 154  
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





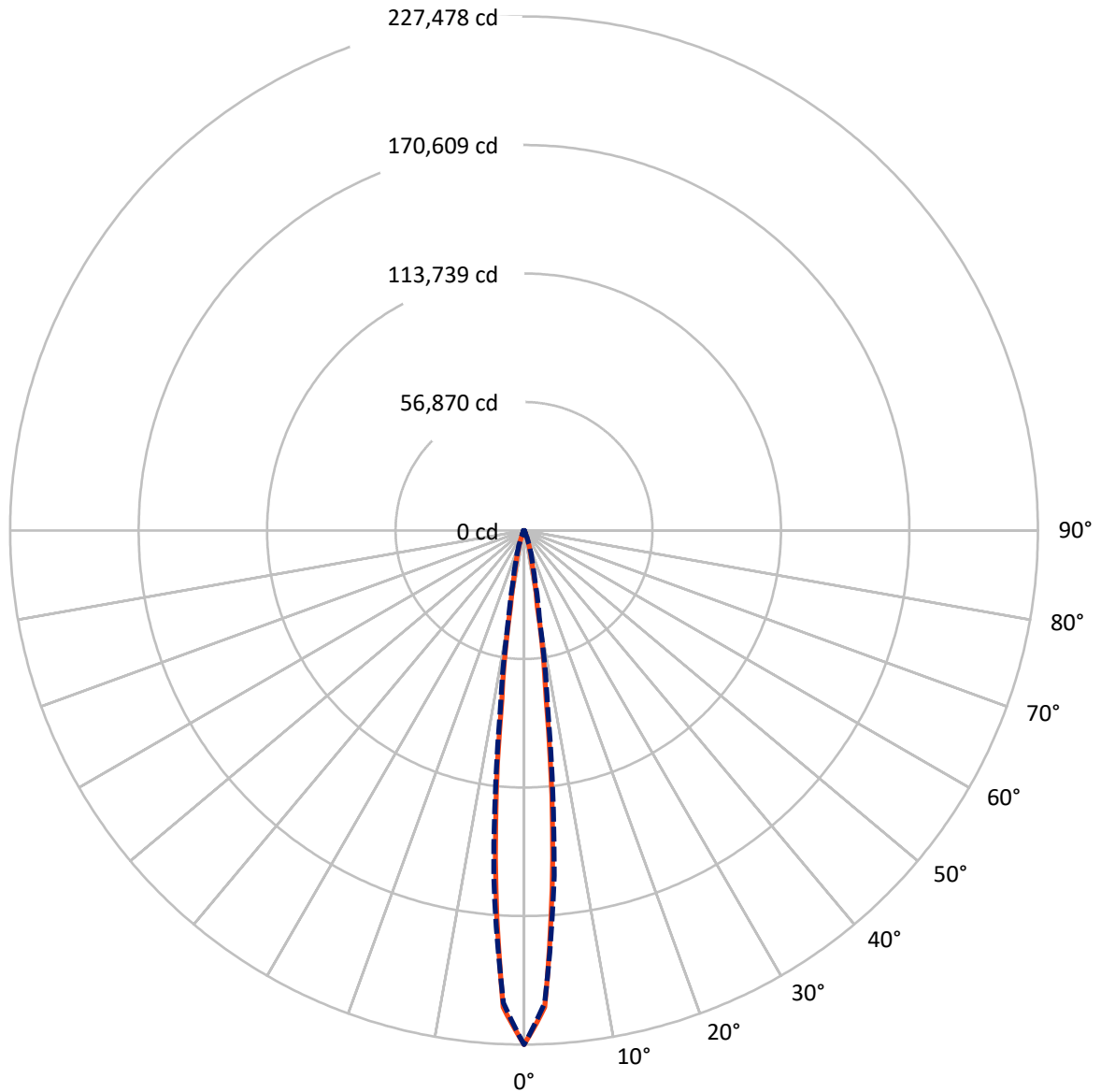
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### Lumen Table

90	0.2	1.9		5.3		8.5		9.9		8.5		5.3		1.9		0.2			
80	0.2	1.9		5.3		8.5		9.9		8.5		5.3		1.9		0.2			
70	0.9	1.0	2.2	3.5	4.8	5.9	6.8	7.2	7.2	6.8	5.9	4.8	3.5	2.2	1.0	0.9			
60		1.6	3.2	4.8	6.2	7.4	8.1	8.4	8.4	8.1	7.4	6.2	4.8	3.2	1.6				
50	1.6	2.1	3.9	5.6	7.0	8.2	9.2	9.6	9.6	9.2	8.2	7.0	5.6	3.9	2.1	1.6			
40		2.5	4.4	6.1	7.8	10.0	12.6	14.2	14.2	12.6	10.0	7.8	6.1	4.4	2.5				
30	2.1	2.7	4.6	6.5	9.2	14.2	31.6	57.5	57.5	31.6	14.2	9.2	6.5	4.6	2.7	2.1			
20		2.9	4.8	6.8	10.9	30.6	172.9	380.4	380.4	172.9	30.6	10.9	6.8	4.8	2.9				
10	2.3	3.0	4.8	7.0	12.1	58.8	415.1	2685.1	2685.1	415.1	58.8	12.1	7.0	4.8	3.0	2.3			
0		3.0	4.8	7.0	12.1	58.8	415.1	2685.1	2685.1	415.1	58.8	12.1	7.0	4.8	3.0				
-10	2.1	2.9	4.8	6.8	10.9	30.6	172.9	380.4	380.4	172.9	30.6	10.9	6.8	4.8	2.9	2.1			
-20		2.7	4.6	6.5	9.2	14.2	31.6	57.5	57.5	31.6	14.2	9.2	6.5	4.6	2.7				
-30	1.6	2.5	4.4	6.1	7.8	10.0	12.6	14.2	14.2	12.6	10.0	7.8	6.1	4.4	2.5	1.6			
-40		2.1	3.9	5.6	7.0	8.2	9.2	9.6	9.6	9.2	8.2	7.0	5.6	3.9	2.1				
-50	0.9	1.6	3.2	4.8	6.2	7.4	8.1	8.4	8.4	8.1	7.4	6.2	4.8	3.2	1.6	0.9			
-60		1.0	2.2	3.5	4.8	5.9	6.8	7.2	7.2	6.8	5.9	4.8	3.5	2.2	1.0				
-70	0.2	1.9		5.3		8.5		9.9		8.5		5.3		1.9		0.2			
-80		1.9		5.3		8.5		9.9		8.5		5.3		1.9					
-90	0.2	1.9		5.3		8.5		9.9		8.5		5.3		1.9		0.2			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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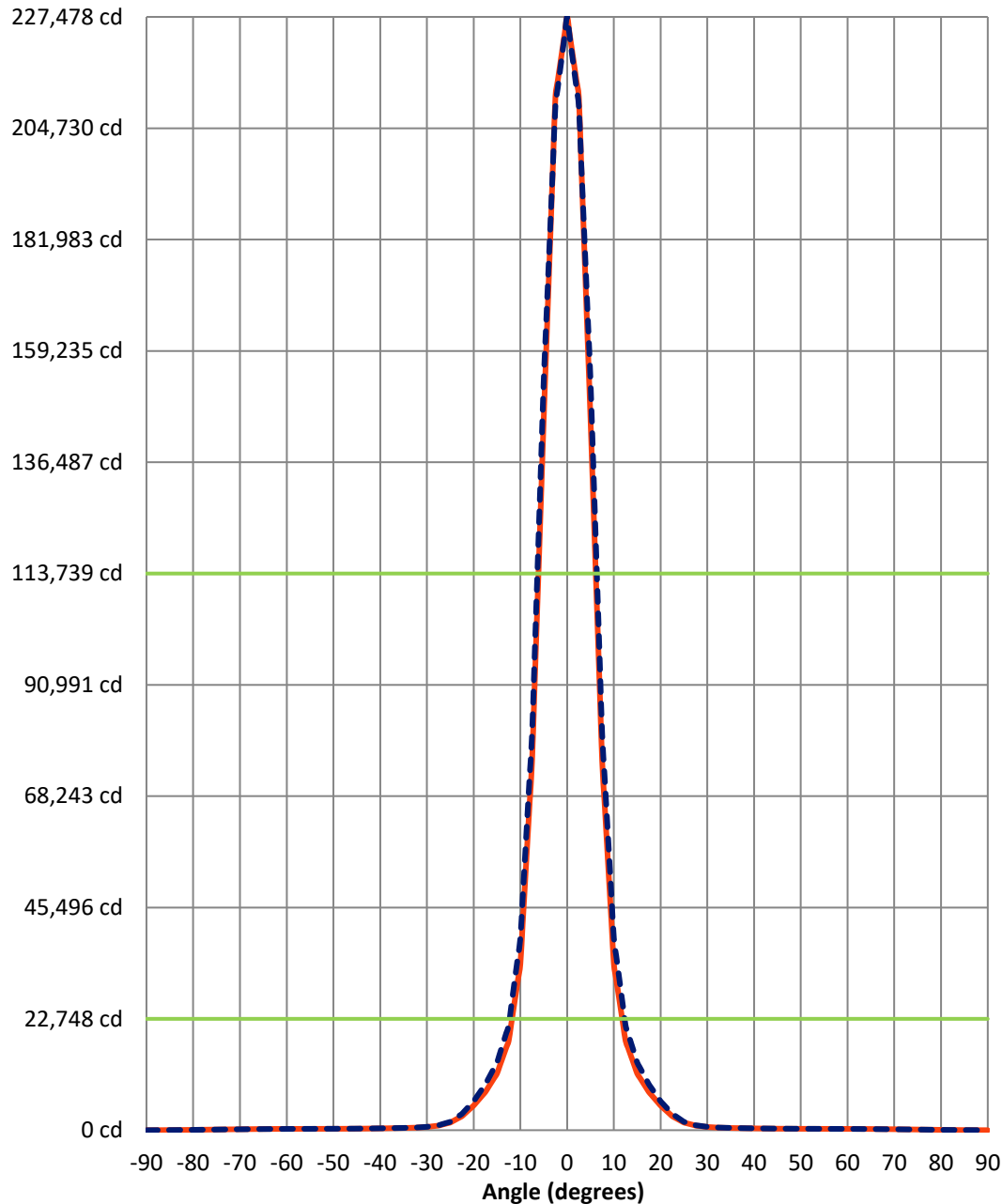
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 12.7°  
V Angle: 12.3°  
Lumens: 5210.3  
Efficiency: 31.6%

**Field:**  
H Angle: 24.6°  
V Angle: 23.6°  
Lumens: 11542.6  
Efficiency: 70.0%

**Spill:**  
Lumens: 4946.5  
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	0.5	1.1	1.6	2.0	2.4	2.8	3.2	3.7	4.1	4.5
85°	0.0	1.1	2.1	3.1	4.0	4.8	5.5	6.4	7.3	8.2	9.0
82.5°	0.0	1.6	3.2	4.7	6.0	7.2	8.3	9.6	11.1	13.1	15.2
80°	0.0	2.1	4.3	6.2	8.0	9.6	11.2	13.8	16.5	19.3	22.2
77.5°	0.0	2.7	5.3	7.7	9.9	12.3	15.1	18.4	21.9	25.5	29.3
75°	0.0	3.2	6.4	9.2	12.0	15.5	19.0	23.0	27.3	32.2	36.9
72.5°	0.0	3.7	7.4	10.8	14.6	18.7	22.8	27.8	33.6	39.2	44.4
70°	0.0	4.2	8.4	12.3	17.1	21.9	26.8	33.3	39.9	46.1	54.7
67.5°	0.0	4.7	9.4	14.2	19.6	25.0	31.6	38.9	46.1	55.6	65.5
65°	0.0	5.2	10.4	16.1	22.1	28.5	36.3	44.3	54.2	64.9	76.2
62.5°	0.0	5.7	11.3	17.9	24.5	32.3	40.9	50.7	62.0	74.1	87.3
60°	0.0	6.1	12.3	19.7	26.9	36.0	45.4	57.2	69.6	83.9	98.2
57.5°	0.0	6.6	13.4	21.4	29.7	39.6	50.7	63.5	77.9	93.4	109.2
55°	0.0	7.1	14.5	23.1	32.5	43.1	56.1	69.7	86.2	102.9	120.1
52.5°	0.0	7.5	15.6	24.7	35.1	46.6	61.2	76.7	94.2	112.4	130.7
50°	0.0	7.9	16.7	26.3	37.7	50.8	66.3	83.6	102.1	121.7	141.2
47.5°	0.0	8.3	17.7	27.9	40.2	54.8	71.2	90.2	110.1	130.6	151.5
45°	0.0	8.7	18.6	29.7	42.6	58.7	76.6	96.6	117.8	139.5	161.4
42.5°	0.0	9.1	19.5	31.4	44.8	62.4	81.8	102.8	125.2	148.2	169.9
40°	0.0	9.4	20.4	33.0	47.3	65.9	86.7	109.0	132.3	156.5	177.9
37.5°	0.0	9.8	21.3	34.5	50.0	69.3	91.3	114.8	139.2	164.0	185.5
35°	0.0	10.1	22.1	35.8	52.5	72.8	95.6	120.4	145.8	170.3	192.4
32.5°	0.0	10.4	22.8	37.1	54.9	76.2	99.8	125.6	151.9	176.2	198.2
30°	0.0	10.7	23.5	38.3	57.2	79.3	103.9	130.4	157.5	181.8	203.7
27.5°	0.0	10.9	24.1	39.4	59.2	82.3	107.8	135.0	162.4	186.9	208.8
25°	0.0	11.1	24.7	40.3	61.1	84.9	111.3	139.1	166.6	191.2	213.4
22.5°	0.0	11.4	25.3	41.2	62.8	87.3	114.5	142.9	170.3	194.9	216.9
20°	0.0	11.6	25.8	42.0	64.3	89.6	117.3	146.2	173.7	198.3	220.1
17.5°	0.0	11.7	26.2	42.6	65.7	91.5	119.9	149.2	176.6	201.2	222.9
15°	0.0	11.9	26.6	43.2	66.9	93.2	122.2	151.7	179.1	203.7	225.4
12.5°	0.0	12.0	26.9	43.7	68.0	94.7	124.1	153.8	181.2	205.8	227.5
10°	0.0	12.1	27.1	44.0	68.8	95.9	125.7	155.4	182.9	207.5	229.2
7.5°	0.0	12.2	27.3	44.3	69.5	96.8	127.0	156.6	184.2	208.7	230.4
5°	0.0	12.3	27.5	44.4	70.0	97.5	127.9	157.4	185.0	209.5	231.1
2.5°	0.0	12.3	27.6	44.5	70.3	97.9	128.4	157.8	185.4	209.9	231.4
0°	0.0	12.3	27.6	44.5	70.3	97.9	128.4	157.8	185.4	209.9	231.4
-2.5°	0.0	12.3	27.6	44.5	70.3	97.9	128.4	157.8	185.4	209.9	231.4
-5°	0.0	12.3	27.5	44.4	70.0	97.5	127.9	157.4	185.0	209.5	231.1
-7.5°	0.0	12.2	27.3	44.3	69.5	96.8	127.0	156.6	184.2	208.7	230.4
-10°	0.0	12.1	27.1	44.0	68.8	95.9	125.7	155.4	182.9	207.5	229.2
-12.5°	0.0	12.0	26.9	43.7	68.0	94.7	124.1	153.8	181.2	205.8	227.5
-15°	0.0	11.9	26.6	43.2	66.9	93.2	122.2	151.7	179.1	203.7	225.4
-17.5°	0.0	11.7	26.2	42.6	65.7	91.5	119.9	149.2	176.6	201.2	222.9
-20°	0.0	11.6	25.8	42.0	64.3	89.6	117.3	146.2	173.7	198.3	220.1



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 CATALOG NUMBER: GFLD-SA5B-930-U-TS-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	11.4	25.3	41.2	62.8	87.3	114.5	142.9	170.3	194.9	216.9
-25°	0.0	11.1	24.7	40.3	61.1	84.9	111.3	139.1	166.6	191.2	213.4
-27.5°	0.0	10.9	24.1	39.4	59.2	82.3	107.8	135.0	162.4	186.9	208.8
-30°	0.0	10.7	23.5	38.3	57.2	79.3	103.9	130.4	157.5	181.8	203.7
-32.5°	0.0	10.4	22.8	37.1	54.9	76.2	99.8	125.6	151.9	176.2	198.2
-35°	0.0	10.1	22.1	35.8	52.5	72.8	95.6	120.4	145.8	170.3	192.4
-37.5°	0.0	9.8	21.3	34.5	50.0	69.3	91.3	114.8	139.2	164.0	185.5
-40°	0.0	9.4	20.4	33.0	47.3	65.9	86.7	109.0	132.3	156.5	177.9
-42.5°	0.0	9.1	19.5	31.4	44.8	62.4	81.8	102.8	125.2	148.2	169.9
-45°	0.0	8.7	18.6	29.7	42.6	58.7	76.6	96.6	117.8	139.5	161.4
-47.5°	0.0	8.3	17.7	27.9	40.2	54.8	71.2	90.2	110.1	130.6	151.5
-50°	0.0	7.9	16.7	26.3	37.7	50.8	66.3	83.6	102.1	121.7	141.2
-52.5°	0.0	7.5	15.6	24.7	35.1	46.6	61.2	76.7	94.2	112.4	130.7
-55°	0.0	7.1	14.5	23.1	32.5	43.1	56.1	69.7	86.2	102.9	120.1
-57.5°	0.0	6.6	13.4	21.4	29.7	39.6	50.7	63.5	77.9	93.4	109.2
-60°	0.0	6.1	12.3	19.7	26.9	36.0	45.4	57.2	69.6	83.9	98.2
-62.5°	0.0	5.7	11.3	17.9	24.5	32.3	40.9	50.7	62.0	74.1	87.3
-65°	0.0	5.2	10.4	16.1	22.1	28.5	36.3	44.3	54.2	64.9	76.2
-67.5°	0.0	4.7	9.4	14.2	19.6	25.0	31.6	38.9	46.1	55.6	65.5
-70°	0.0	4.2	8.4	12.3	17.1	21.9	26.8	33.3	39.9	46.1	54.7
-72.5°	0.0	3.7	7.4	10.8	14.6	18.7	22.8	27.8	33.6	39.2	44.4
-75°	0.0	3.2	6.4	9.2	12.0	15.5	19.0	23.0	27.3	32.2	36.9
-77.5°	0.0	2.7	5.3	7.7	9.9	12.3	15.1	18.4	21.9	25.5	29.3
-80°	0.0	2.1	4.3	6.2	8.0	9.6	11.2	13.8	16.5	19.3	22.2
-82.5°	0.0	1.6	3.2	4.7	6.0	7.2	8.3	9.6	11.1	13.1	15.2
-85°	0.0	1.1	2.1	3.1	4.0	4.8	5.5	6.4	7.3	8.2	9.0
-87.5°	0.0	0.5	1.1	1.6	2.0	2.4	2.8	3.2	3.7	4.1	4.5
-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°	4.9	5.3	5.7	6.1	6.5	6.9	7.2	7.6	7.9	8.2	8.5
85°	9.9	10.7	11.8	12.7	13.6	14.4	15.1	15.8	16.7	17.6	18.6
82.5°	16.9	18.4	19.6	20.7	21.8	22.8	24.0	25.7	28.1	30.3	32.3
80°	24.3	26.0	28.5	31.2	34.0	36.7	39.4	41.9	44.6	47.6	50.7
77.5°	32.7	36.1	39.9	44.1	48.0	52.6	57.2	61.9	66.2	69.9	73.2
75°	41.3	46.0	52.4	58.8	64.8	70.8	76.9	82.8	88.0	92.8	97.6
72.5°	51.4	59.2	66.7	74.1	81.9	89.4	96.4	103.1	109.7	116.2	122.4
70°	63.6	72.3	81.5	90.7	99.8	108.1	116.3	124.6	132.7	140.1	146.7
67.5°	75.7	86.2	96.7	107.2	117.0	126.5	136.2	145.7	154.8	162.6	169.4
65°	88.1	99.9	111.6	122.9	133.7	144.8	155.7	166.3	174.8	182.0	188.9
62.5°	100.3	113.5	126.3	138.7	150.9	163.0	173.5	183.0	191.9	199.6	207.0
60°	112.8	127.1	141.0	154.6	167.5	178.6	189.3	198.8	207.7	216.2	222.5
57.5°	125.0	140.5	155.6	169.5	181.8	193.3	203.6	213.6	221.3	228.1	235.0
55°	137.1	153.7	169.2	182.9	195.4	206.4	216.9	225.2	232.9	239.3	246.0
52.5°	148.9	166.3	181.5	195.4	207.5	218.4	227.6	235.8	243.0	249.6	255.0
50°	160.5	177.4	193.3	206.4	218.5	228.7	237.3	245.2	252.2	258.2	263.2
47.5°	170.7	188.3	203.2	216.7	228.1	237.8	246.1	253.7	260.6	265.9	270.9
45°	180.3	197.6	212.8	225.6	236.8	245.9	254.0	261.9	267.6	272.8	276.6
42.5°	189.5	206.2	221.1	234.4	244.2	253.0	261.2	268.0	273.9	278.5	282.6
40°	197.3	214.6	228.8	240.8	250.9	259.3	266.9	273.7	279.5	284.0	288.4
37.5°	204.7	221.3	235.7	247.0	256.4	264.7	272.2	278.6	284.3	289.0	295.1
35°	211.7	227.8	241.1	252.1	261.3	269.5	276.7	283.1	288.8	295.3	302.3
32.5°	217.7	233.8	246.2	256.2	265.3	273.7	280.8	287.4	294.0	301.4	310.0
30°	222.8	238.3	250.6	260.0	269.1	277.0	284.7	291.7	298.9	307.8	319.0
27.5°	227.5	242.4	253.8	263.3	272.4	279.8	287.8	295.9	304.3	314.6	328.8
25°	231.8	246.2	256.6	266.2	274.7	282.4	290.8	299.0	309.5	323.2	341.7
22.5°	235.3	249.7	259.1	268.9	276.7	284.8	293.4	302.6	314.5	331.1	355.3
20°	238.2	251.7	261.2	271.0	278.3	287.0	295.7	305.7	319.9	341.6	369.5
17.5°	240.7	253.5	263.0	272.2	279.9	288.8	297.7	308.2	324.4	351.3	382.7
15°	243.0	255.0	264.5	273.1	281.3	290.1	299.6	311.5	330.4	360.8	394.5
12.5°	244.9	256.1	265.6	273.9	282.4	291.1	301.1	314.4	336.8	369.6	406.3
10°	246.6	257.0	266.3	274.4	283.2	291.6	302.3	316.2	341.3	374.6	413.3
7.5°	247.6	257.7	266.9	274.7	283.7	291.8	303.1	317.2	344.1	377.2	417.0
5°	248.1	258.3	267.5	275.2	284.2	292.2	303.9	317.3	345.2	377.7	418.5
2.5°	248.3	258.7	267.9	275.6	284.6	293.2	305.3	319.0	346.3	379.5	419.4
0°	248.1	258.8	268.0	275.7	284.8	294.0	306.3	320.1	346.1	381.3	419.6
-2.5°	248.3	258.7	267.9	275.6	284.6	293.2	305.3	319.0	346.3	379.5	419.4
-5°	248.1	258.3	267.5	275.2	284.2	292.2	303.9	317.3	345.2	377.7	418.5
-7.5°	247.6	257.7	266.9	274.7	283.7	291.8	303.1	317.2	344.1	377.2	417.0
-10°	246.6	257.0	266.3	274.4	283.2	291.6	302.3	316.2	341.3	374.6	413.3
-12.5°	244.9	256.1	265.6	273.9	282.4	291.1	301.1	314.4	336.8	369.6	406.3
-15°	243.0	255.0	264.5	273.1	281.3	290.1	299.6	311.5	330.4	360.8	394.5
-17.5°	240.7	253.5	263.0	272.2	279.9	288.8	297.7	308.2	324.4	351.3	382.7
-20°	238.2	251.7	261.2	271.0	278.3	287.0	295.7	305.7	319.9	341.6	369.5



REPORT NUMBER: P559016 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	235.3	249.7	259.1	268.9	276.7	284.8	293.4	302.6	314.5	331.1	355.3
-25°	231.8	246.2	256.6	266.2	274.7	282.4	290.8	299.0	309.5	323.2	341.7
-27.5°	227.5	242.4	253.8	263.3	272.4	279.8	287.8	295.9	304.3	314.6	328.8
-30°	222.8	238.3	250.6	260.0	269.1	277.0	284.7	291.7	298.9	307.8	319.0
-32.5°	217.7	233.8	246.2	256.2	265.3	273.7	280.8	287.4	294.0	301.4	310.0
-35°	211.7	227.8	241.1	252.1	261.3	269.5	276.7	283.1	288.8	295.3	302.3
-37.5°	204.7	221.3	235.7	247.0	256.4	264.7	272.2	278.6	284.3	289.0	295.1
-40°	197.3	214.6	228.8	240.8	250.9	259.3	266.9	273.7	279.5	284.0	288.4
-42.5°	189.5	206.2	221.1	234.4	244.2	253.0	261.2	268.0	273.9	278.5	282.6
-45°	180.3	197.6	212.8	225.6	236.8	245.9	254.0	261.9	267.6	272.8	276.6
-47.5°	170.7	188.3	203.2	216.7	228.1	237.8	246.1	253.7	260.6	265.9	270.9
-50°	160.5	177.4	193.3	206.4	218.5	228.7	237.3	245.2	252.2	258.2	263.2
-52.5°	148.9	166.3	181.5	195.4	207.5	218.4	227.6	235.8	243.0	249.6	255.0
-55°	137.1	153.7	169.2	182.9	195.4	206.4	216.9	225.2	232.9	239.3	246.0
-57.5°	125.0	140.5	155.6	169.5	181.8	193.3	203.6	213.6	221.3	228.1	235.0
-60°	112.8	127.1	141.0	154.6	167.5	178.6	189.3	198.8	207.7	216.2	222.5
-62.5°	100.3	113.5	126.3	138.7	150.9	163.0	173.5	183.0	191.9	199.6	207.0
-65°	88.1	99.9	111.6	122.9	133.7	144.8	155.7	166.3	174.8	182.0	188.9
-67.5°	75.7	86.2	96.7	107.2	117.0	126.5	136.2	145.7	154.8	162.6	169.4
-70°	63.6	72.3	81.5	90.7	99.8	108.1	116.3	124.6	132.7	140.1	146.7
-72.5°	51.4	59.2	66.7	74.1	81.9	89.4	96.4	103.1	109.7	116.2	122.4
-75°	41.3	46.0	52.4	58.8	64.8	70.8	76.9	82.8	88.0	92.8	97.6
-77.5°	32.7	36.1	39.9	44.1	48.0	52.6	57.2	61.9	66.2	69.9	73.2
-80°	24.3	26.0	28.5	31.2	34.0	36.7	39.4	41.9	44.6	47.6	50.7
-82.5°	16.9	18.4	19.6	20.7	21.8	22.8	24.0	25.7	28.1	30.3	32.3
-85°	9.9	10.7	11.8	12.7	13.6	14.4	15.1	15.8	16.7	17.6	18.6
-87.5°	4.9	5.3	5.7	6.1	6.5	6.9	7.2	7.6	7.9	8.2	8.5
-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: P559016 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	8.8	8.7	8.6	8.5	8.3	8.5	8.6	8.8	8.9	9.0	9.1
85°	19.5	20.3	21.1	22.0	22.8	23.4	24.0	24.4	24.9	25.2	25.5
82.5°	34.2	36.0	37.5	39.0	40.3	41.3	42.3	43.1	43.9	44.5	45.0
80°	53.4	56.1	58.6	60.9	63.1	64.8	66.2	67.5	68.4	69.5	70.4
77.5°	76.4	80.1	83.6	86.8	89.6	92.0	94.1	95.8	97.4	99.2	100.9
75°	102.4	106.8	110.9	114.6	118.0	121.0	123.7	126.1	128.1	130.2	131.9
72.5°	128.3	133.6	138.3	142.3	145.9	149.4	152.8	156.0	159.0	161.2	162.8
70°	152.7	158.2	163.2	167.8	172.0	176.4	180.8	184.9	188.7	191.1	192.4
67.5°	175.2	180.8	186.5	192.1	197.1	201.7	206.1	210.2	213.8	216.3	217.8
65°	195.4	201.6	207.8	213.5	218.8	222.7	226.8	230.6	234.2	237.1	239.2
62.5°	214.3	220.4	225.6	230.5	235.0	238.9	242.9	246.4	249.5	252.2	254.7
60°	228.8	235.0	240.0	244.6	248.8	252.7	255.8	258.4	260.5	262.2	263.8
57.5°	241.2	247.1	252.2	256.0	259.7	263.4	266.1	267.7	269.0	269.9	270.6
55°	251.9	256.6	260.9	265.1	268.7	271.9	274.3	275.4	276.1	276.4	276.8
52.5°	260.5	265.1	269.5	273.4	276.3	279.0	281.4	282.0	282.3	282.5	282.5
50°	268.3	272.9	276.3	279.6	282.6	285.1	287.1	288.0	288.5	288.6	288.4
47.5°	274.7	278.5	282.4	285.8	288.8	291.6	293.9	295.2	296.2	296.6	296.6
45°	280.2	284.8	288.9	292.8	296.3	300.0	303.2	305.3	307.5	308.9	309.6
42.5°	286.8	291.4	295.9	301.3	306.4	311.2	316.4	321.0	325.7	330.8	334.3
40°	293.5	298.5	305.4	312.0	319.4	326.1	337.1	348.0	356.3	363.4	369.7
37.5°	301.1	308.4	316.7	325.2	337.3	349.8	363.6	377.2	389.0	399.6	408.2
35°	309.9	319.6	329.8	345.0	360.4	375.8	392.3	410.3	425.6	436.8	444.8
32.5°	320.7	332.9	349.3	368.6	387.5	407.5	427.5	447.6	462.6	478.2	493.9
30°	332.6	350.2	371.4	394.9	418.5	442.4	467.5	495.3	521.8	550.3	591.1
27.5°	347.8	369.2	394.2	422.0	450.4	478.9	522.5	570.4	641.4	698.2	794.5
25°	364.0	389.1	418.9	451.1	485.7	536.8	616.7	711.2	878.5	1008.3	1205.3
22.5°	382.1	411.7	444.5	481.5	537.4	633.7	770.5	1013.0	1350.6	1683.8	2054.5
20°	399.9	432.7	468.6	524.6	619.6	772.0	1068.0	1592.4	2178.2	3012.2	3712.1
17.5°	416.9	451.6	497.2	573.0	715.2	1021.6	1595.0	2493.3	3716.7	5061.0	6182.1
15°	431.7	467.2	528.7	648.6	889.0	1366.1	2232.0	3760.8	5816.4	7657.0	9298.6
12.5°	444.2	486.3	562.7	709.7	1039.8	1746.1	3135.0	5306.0	7816.1	10397.4	12475.1
10°	453.4	506.6	608.2	822.6	1279.5	2198.4	3887.7	6626.2	9648.5	12785.9	16541.7
7.5°	458.9	521.2	642.7	906.5	1493.3	2702.0	4831.9	7804.9	11275.7	15558.6	21296.8
5°	462.9	531.0	668.3	969.7	1636.1	3034.9	5428.0	8698.0	12679.6	18872.4	30682.1
2.5°	464.8	535.3	682.8	1004.4	1701.2	3206.0	5847.5	9209.3	13533.7	21210.1	37183.7
0°	464.0	532.9	684.5	1012.3	1710.6	3336.9	5917.3	9355.3	13822.4	21419.6	39268.1
-2.5°	464.8	535.3	682.8	1004.4	1701.2	3206.0	5847.5	9209.3	13533.7	21210.1	37183.7
-5°	462.9	531.0	668.3	969.7	1636.1	3034.9	5428.0	8698.0	12679.6	18872.4	30682.1
-7.5°	458.9	521.2	642.7	906.5	1493.3	2702.0	4831.9	7804.9	11275.7	15558.6	21296.8
-10°	453.4	506.6	608.2	822.6	1279.5	2198.4	3887.7	6626.2	9648.5	12785.9	16541.7
-12.5°	444.2	486.3	562.7	709.7	1039.8	1746.1	3135.0	5306.0	7816.1	10397.4	12475.1
-15°	431.7	467.2	528.7	648.6	889.0	1366.1	2232.0	3760.8	5816.4	7657.0	9298.6
-17.5°	416.9	451.6	497.2	573.0	715.2	1021.6	1595.0	2493.3	3716.7	5061.0	6182.1
-20°	399.9	432.7	468.6	524.6	619.6	772.0	1068.0	1592.4	2178.2	3012.2	3712.1



REPORT NUMBER: P559016 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	382.1	411.7	444.5	481.5	537.4	633.7	770.5	1013.0	1350.6	1683.8	2054.5
-25°	364.0	389.1	418.9	451.1	485.7	536.8	616.7	711.2	878.5	1008.3	1205.3
-27.5°	347.8	369.2	394.2	422.0	450.4	478.9	522.5	570.4	641.4	698.2	794.5
-30°	332.6	350.2	371.4	394.9	418.5	442.4	467.5	495.3	521.8	550.3	591.1
-32.5°	320.7	332.9	349.3	368.6	387.5	407.5	427.5	447.6	462.6	478.2	493.9
-35°	309.9	319.6	329.8	345.0	360.4	375.8	392.3	410.3	425.6	436.8	444.8
-37.5°	301.1	308.4	316.7	325.2	337.3	349.8	363.6	377.2	389.0	399.6	408.2
-40°	293.5	298.5	305.4	312.0	319.4	326.1	337.1	348.0	356.3	363.4	369.7
-42.5°	286.8	291.4	295.9	301.3	306.4	311.2	316.4	321.0	325.7	330.8	334.3
-45°	280.2	284.8	288.9	292.8	296.3	300.0	303.2	305.3	307.5	308.9	309.6
-47.5°	274.7	278.5	282.4	285.8	288.8	291.6	293.9	295.2	296.2	296.6	296.6
-50°	268.3	272.9	276.3	279.6	282.6	285.1	287.1	288.0	288.5	288.6	288.4
-52.5°	260.5	265.1	269.5	273.4	276.3	279.0	281.4	282.0	282.3	282.5	282.5
-55°	251.9	256.6	260.9	265.1	268.7	271.9	274.3	275.4	276.1	276.4	276.8
-57.5°	241.2	247.1	252.2	256.0	259.7	263.4	266.1	267.7	269.0	269.9	270.6
-60°	228.8	235.0	240.0	244.6	248.8	252.7	255.8	258.4	260.5	262.2	263.8
-62.5°	214.3	220.4	225.6	230.5	235.0	238.9	242.9	246.4	249.5	252.2	254.7
-65°	195.4	201.6	207.8	213.5	218.8	222.7	226.8	230.6	234.2	237.1	239.2
-67.5°	175.2	180.8	186.5	192.1	197.1	201.7	206.1	210.2	213.8	216.3	217.8
-70°	152.7	158.2	163.2	167.8	172.0	176.4	180.8	184.9	188.7	191.1	192.4
-72.5°	128.3	133.6	138.3	142.3	145.9	149.4	152.8	156.0	159.0	161.2	162.8
-75°	102.4	106.8	110.9	114.6	118.0	121.0	123.7	126.1	128.1	130.2	131.9
-77.5°	76.4	80.1	83.6	86.8	89.6	92.0	94.1	95.8	97.4	99.2	100.9
-80°	53.4	56.1	58.6	60.9	63.1	64.8	66.2	67.5	68.4	69.5	70.4
-82.5°	34.2	36.0	37.5	39.0	40.3	41.3	42.3	43.1	43.9	44.5	45.0
-85°	19.5	20.3	21.1	22.0	22.8	23.4	24.0	24.4	24.9	25.2	25.5
-87.5°	8.8	8.7	8.6	8.5	8.3	8.5	8.6	8.8	8.9	9.0	9.1
-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: P559016 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	9.1	9.2	9.2	9.2	9.2	9.2	9.1	9.1	9.0	8.9	8.8
85°	25.7	25.9	26.0	26.0	26.0	25.9	25.7	25.5	25.2	24.9	24.4
82.5°	45.4	45.7	45.8	45.9	45.8	45.7	45.4	45.0	44.5	43.9	43.1
80°	71.1	71.6	71.9	72.0	71.9	71.6	71.1	70.4	69.5	68.4	67.5
77.5°	102.3	103.5	103.9	104.1	103.9	103.5	102.3	100.9	99.2	97.4	95.8
75°	133.2	134.1	134.6	134.8	134.6	134.1	133.2	131.9	130.2	128.1	126.1
72.5°	163.9	164.6	165.9	166.9	165.9	164.6	163.9	162.8	161.2	159.0	156.0
70°	193.3	193.7	195.0	196.0	195.0	193.7	193.3	192.4	191.1	188.7	184.9
67.5°	218.9	219.6	219.6	219.0	219.6	219.6	218.9	217.8	216.3	213.8	210.2
65°	241.0	242.5	242.6	242.0	242.6	242.5	241.0	239.2	237.1	234.2	230.6
62.5°	257.1	259.3	260.1	260.3	260.1	259.3	257.1	254.7	252.2	249.5	246.4
60°	265.1	266.1	266.4	266.5	266.4	266.1	265.1	263.8	262.2	260.5	258.4
57.5°	271.0	271.0	271.0	271.1	271.0	271.0	271.0	270.6	269.9	269.0	267.7
55°	277.0	277.0	276.5	275.7	276.5	277.0	277.0	276.8	276.4	276.1	275.4
52.5°	282.3	281.9	281.1	280.2	281.1	281.9	282.3	282.5	282.5	282.3	282.0
50°	287.7	286.7	286.3	286.4	286.3	286.7	287.7	288.4	288.6	288.5	288.0
47.5°	296.3	295.7	295.4	295.6	295.4	295.7	296.3	296.6	296.6	296.2	295.2
45°	309.9	309.4	309.0	309.3	309.0	309.4	309.9	309.6	308.9	307.5	305.3
42.5°	336.2	336.4	336.2	336.9	336.2	336.4	336.2	334.3	330.8	325.7	321.0
40°	372.3	372.1	370.9	370.6	370.9	372.1	372.3	369.7	363.4	356.3	348.0
37.5°	411.7	411.8	410.5	410.4	410.5	411.8	411.7	408.2	399.6	389.0	377.2
35°	449.0	450.4	450.2	448.7	450.2	450.4	449.0	444.8	436.8	425.6	410.3
32.5°	505.0	513.5	518.0	516.1	518.0	513.5	505.0	493.9	478.2	462.6	447.6
30°	616.7	638.7	650.3	655.4	650.3	638.7	616.7	591.1	550.3	521.8	495.3
27.5°	863.4	912.1	934.0	941.8	934.0	912.1	863.4	794.5	698.2	641.4	570.4
25°	1377.3	1487.3	1541.5	1559.0	1541.5	1487.3	1377.3	1205.3	1008.3	878.5	711.2
22.5°	2462.8	2674.6	2819.4	2851.5	2819.4	2674.6	2462.8	2054.5	1683.8	1350.6	1013.0
20°	4415.9	4825.4	5047.6	5027.6	5047.6	4825.4	4415.9	3712.1	3012.2	2178.2	1592.4
17.5°	7135.0	7660.1	7910.1	7793.3	7910.1	7660.1	7135.0	6182.1	5061.0	3716.7	2493.3
15°	10459.7	11169.1	11478.6	11574.3	11478.6	11169.1	10459.7	9298.6	7657.0	5816.4	3760.8
12.5°	14549.0	16874.7	17986.9	18284.9	17986.9	16874.7	14549.0	12475.1	10397.4	7816.1	5306.0
10°	20383.3	28200.8	32850.9	33986.3	32850.9	28200.8	20383.3	16541.7	12785.9	9648.5	6626.2
7.5°	33287.6	49173.7	66969.6	75396.8	66969.6	49173.7	33287.6	21296.8	15558.6	11275.7	7804.9
5°	50763.5	88104.2	129307.3	145459.7	129307.3	88104.2	50763.5	30682.1	18872.4	12679.6	8698.0
2.5°	72008.4	133030.5	189963.2	211186.5	189963.2	133030.5	72008.4	37183.7	21210.1	13533.7	9209.3
0°	80984.1	153369.4	209298.3	227478.2	209298.3	153369.4	80984.1	39268.1	21419.6	13822.4	9355.3
-2.5°	72008.4	133030.5	189963.2	211186.4	189963.2	133030.5	72008.4	37183.7	21210.1	13533.7	9209.3
-5°	50763.5	88104.2	129307.3	145459.7	129307.3	88104.2	50763.5	30682.1	18872.4	12679.6	8698.0
-7.5°	33287.6	49173.7	66969.6	75396.8	66969.6	49173.7	33287.6	21296.8	15558.6	11275.7	7804.9
-10°	20383.3	28200.8	32850.9	33986.3	32850.9	28200.8	20383.3	16541.7	12785.9	9648.5	6626.2
-12.5°	14549.0	16874.7	17986.9	18284.9	17986.9	16874.7	14549.0	12475.1	10397.4	7816.1	5306.0
-15°	10459.7	11169.1	11478.6	11574.3	11478.6	11169.1	10459.7	9298.6	7657.0	5816.4	3760.8
-17.5°	7135.0	7660.1	7910.1	7793.3	7910.1	7660.1	7135.0	6182.1	5061.0	3716.7	2493.3
-20°	4415.9	4825.4	5047.6	5027.6	5047.6	4825.4	4415.9	3712.1	3012.2	2178.2	1592.4



REPORT NUMBER: P559016 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	2462.8	2674.6	2819.4	2851.5	2819.4	2674.6	2462.8	2054.5	1683.8	1350.6	1013.0
-25°	1377.3	1487.3	1541.5	1559.0	1541.5	1487.3	1377.3	1205.3	1008.3	878.5	711.2
-27.5°	863.4	912.1	934.0	941.8	934.0	912.1	863.4	794.5	698.2	641.4	570.4
-30°	616.7	638.7	650.3	655.4	650.3	638.7	616.7	591.1	550.3	521.8	495.3
-32.5°	505.0	513.5	518.0	516.1	518.0	513.5	505.0	493.9	478.2	462.6	447.6
-35°	449.0	450.4	450.2	448.7	450.2	450.4	449.0	444.8	436.8	425.6	410.3
-37.5°	411.7	411.8	410.5	410.4	410.5	411.8	411.7	408.2	399.6	389.0	377.2
-40°	372.3	372.1	370.9	370.6	370.9	372.1	372.3	369.7	363.4	356.3	348.0
-42.5°	336.2	336.4	336.2	336.9	336.2	336.4	336.2	334.3	330.8	325.7	321.0
-45°	309.9	309.4	309.0	309.3	309.0	309.4	309.9	309.6	308.9	307.5	305.3
-47.5°	296.3	295.7	295.4	295.6	295.4	295.7	296.3	296.6	296.6	296.2	295.2
-50°	287.7	286.7	286.3	286.4	286.3	286.7	287.7	288.4	288.6	288.5	288.0
-52.5°	282.3	281.9	281.1	280.2	281.1	281.9	282.3	282.5	282.5	282.3	282.0
-55°	277.0	277.0	276.5	275.7	276.5	277.0	277.0	276.8	276.4	276.1	275.4
-57.5°	271.0	271.0	271.0	271.1	271.0	271.0	271.0	270.6	269.9	269.0	267.7
-60°	265.1	266.1	266.4	266.5	266.4	266.1	265.1	263.8	262.2	260.5	258.4
-62.5°	257.1	259.3	260.1	260.3	260.1	259.3	257.1	254.7	252.2	249.5	246.4
-65°	241.0	242.5	242.6	242.0	242.6	242.5	241.0	239.2	237.1	234.2	230.6
-67.5°	218.9	219.6	219.6	219.0	219.6	219.6	218.9	217.8	216.3	213.8	210.2
-70°	193.3	193.7	195.0	196.0	195.0	193.7	193.3	192.4	191.1	188.7	184.9
-72.5°	163.9	164.6	165.9	166.9	165.9	164.6	163.9	162.8	161.2	159.0	156.0
-75°	133.2	134.1	134.6	134.8	134.6	134.1	133.2	131.9	130.2	128.1	126.1
-77.5°	102.3	103.5	103.9	104.1	103.9	103.5	102.3	100.9	99.2	97.4	95.8
-80°	71.1	71.6	71.9	72.0	71.9	71.6	71.1	70.4	69.5	68.4	67.5
-82.5°	45.4	45.7	45.8	45.9	45.8	45.7	45.4	45.0	44.5	43.9	43.1
-85°	25.7	25.9	26.0	26.0	26.0	25.9	25.7	25.5	25.2	24.9	24.4
-87.5°	9.1	9.2	9.2	9.2	9.2	9.2	9.1	9.1	9.0	8.9	8.8
-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: P559016 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	8.6	8.5	8.3	8.5	8.6	8.7	8.8	8.5	8.2	7.9	7.6
85°	24.0	23.4	22.8	22.0	21.1	20.3	19.5	18.6	17.6	16.7	15.8
82.5°	42.3	41.3	40.3	39.0	37.5	36.0	34.2	32.3	30.3	28.1	25.7
80°	66.2	64.8	63.1	60.9	58.6	56.1	53.4	50.7	47.6	44.6	41.9
77.5°	94.1	92.0	89.6	86.8	83.6	80.1	76.4	73.2	69.9	66.2	61.9
75°	123.7	121.0	118.0	114.6	110.9	106.8	102.4	97.6	92.8	88.0	82.8
72.5°	152.8	149.4	145.9	142.3	138.3	133.6	128.3	122.4	116.2	109.7	103.1
70°	180.8	176.4	172.0	167.8	163.2	158.2	152.7	146.7	140.1	132.7	124.6
67.5°	206.1	201.7	197.1	192.1	186.5	180.8	175.2	169.4	162.6	154.8	145.7
65°	226.8	222.7	218.8	213.5	207.8	201.6	195.4	188.9	182.0	174.8	166.3
62.5°	242.9	238.9	235.0	230.5	225.6	220.4	214.3	207.0	199.6	191.9	183.0
60°	255.8	252.7	248.8	244.6	240.0	235.0	228.8	222.5	216.2	207.7	198.8
57.5°	266.1	263.4	259.7	256.0	252.2	247.1	241.2	235.0	228.1	221.3	213.6
55°	274.3	271.9	268.7	265.1	260.9	256.6	251.9	246.0	239.3	232.9	225.2
52.5°	281.4	279.0	276.3	273.4	269.5	265.1	260.5	255.0	249.6	243.0	235.8
50°	287.1	285.1	282.6	279.6	276.3	272.9	268.3	263.2	258.2	252.2	245.2
47.5°	293.9	291.6	288.8	285.8	282.4	278.5	274.7	270.9	265.9	260.6	253.7
45°	303.2	300.0	296.3	292.8	288.9	284.8	280.2	276.6	272.8	267.6	261.9
42.5°	316.4	311.2	306.4	301.3	295.9	291.4	286.8	282.6	278.5	273.9	268.0
40°	337.1	326.1	319.4	312.0	305.4	298.5	293.5	288.4	284.0	279.5	273.7
37.5°	363.6	349.8	337.3	325.2	316.7	308.4	301.1	295.1	289.0	284.3	278.6
35°	392.3	375.8	360.4	345.0	329.8	319.6	309.9	302.3	295.3	288.8	283.1
32.5°	427.5	407.5	387.5	368.6	349.3	332.9	320.7	310.0	301.4	294.0	287.4
30°	467.5	442.4	418.5	394.9	371.4	350.2	332.6	319.0	307.8	298.9	291.7
27.5°	522.5	478.9	450.4	422.0	394.2	369.2	347.8	328.8	314.6	304.3	295.9
25°	616.7	536.8	485.7	451.1	418.9	389.1	364.0	341.7	323.2	309.5	299.0
22.5°	770.5	633.7	537.4	481.5	444.5	411.7	382.1	355.3	331.1	314.5	302.6
20°	1068.0	772.0	619.6	524.6	468.6	432.7	399.9	369.5	341.6	319.9	305.7
17.5°	1595.0	1021.6	715.2	573.0	497.2	451.6	416.9	382.7	351.3	324.4	308.2
15°	2232.0	1366.1	889.0	648.6	528.7	467.2	431.7	394.5	360.8	330.4	311.5
12.5°	3135.0	1746.1	1039.8	709.7	562.7	486.3	444.2	406.3	369.6	336.8	314.4
10°	3887.7	2198.4	1279.5	822.6	608.2	506.6	453.4	413.3	374.6	341.3	316.2
7.5°	4831.9	2702.0	1493.3	906.5	642.7	521.2	458.9	417.0	377.2	344.1	317.2
5°	5428.0	3034.9	1636.1	969.7	668.3	531.0	462.9	418.5	377.7	345.2	317.3
2.5°	5847.5	3206.0	1701.2	1004.4	682.8	535.3	464.8	419.4	379.5	346.3	319.0
0°	5917.3	3336.9	1710.6	1012.3	684.5	532.9	464.0	419.6	381.3	346.1	320.1
-2.5°	5847.5	3206.0	1701.2	1004.4	682.8	535.3	464.8	419.4	379.5	346.3	319.0
-5°	5428.0	3034.9	1636.1	969.7	668.3	531.0	462.9	418.5	377.7	345.2	317.3
-7.5°	4831.9	2702.0	1493.3	906.5	642.7	521.2	458.9	417.0	377.2	344.1	317.2
-10°	3887.7	2198.4	1279.5	822.6	608.2	506.6	453.4	413.3	374.6	341.3	316.2
-12.5°	3135.0	1746.1	1039.8	709.7	562.7	486.3	444.2	406.3	369.6	336.8	314.4
-15°	2232.0	1366.1	889.0	648.6	528.7	467.2	431.7	394.5	360.8	330.4	311.5
-17.5°	1595.0	1021.6	715.2	573.0	497.2	451.6	416.9	382.7	351.3	324.4	308.2
-20°	1068.0	772.0	619.6	524.6	468.6	432.7	399.9	369.5	341.6	319.9	305.7



REPORT NUMBER: P559016 (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°	770.5	633.7	537.4	481.5	444.5	411.7	382.1	355.3	331.1	314.5	302.6
-25°	616.7	536.8	485.7	451.1	418.9	389.1	364.0	341.7	323.2	309.5	299.0
-27.5°	522.5	478.9	450.4	422.0	394.2	369.2	347.8	328.8	314.6	304.3	295.9
-30°	467.5	442.4	418.5	394.9	371.4	350.2	332.6	319.0	307.8	298.9	291.7
-32.5°	427.5	407.5	387.5	368.6	349.3	332.9	320.7	310.0	301.4	294.0	287.4
-35°	392.3	375.8	360.4	345.0	329.8	319.6	309.9	302.3	295.3	288.8	283.1
-37.5°	363.6	349.8	337.3	325.2	316.7	308.4	301.1	295.1	289.0	284.3	278.6
-40°	337.1	326.1	319.4	312.0	305.4	298.5	293.5	288.4	284.0	279.5	273.7
-42.5°	316.4	311.2	306.4	301.3	295.9	291.4	286.8	282.6	278.5	273.9	268.0
-45°	303.2	300.0	296.3	292.8	288.9	284.8	280.2	276.6	272.8	267.6	261.9
-47.5°	293.9	291.6	288.8	285.8	282.4	278.5	274.7	270.9	265.9	260.6	253.7
-50°	287.1	285.1	282.6	279.6	276.3	272.9	268.3	263.2	258.2	252.2	245.2
-52.5°	281.4	279.0	276.3	273.4	269.5	265.1	260.5	255.0	249.6	243.0	235.8
-55°	274.3	271.9	268.7	265.1	260.9	256.6	251.9	246.0	239.3	232.9	225.2
-57.5°	266.1	263.4	259.7	256.0	252.2	247.1	241.2	235.0	228.1	221.3	213.6
-60°	255.8	252.7	248.8	244.6	240.0	235.0	228.8	222.5	216.2	207.7	198.8
-62.5°	242.9	238.9	235.0	230.5	225.6	220.4	214.3	207.0	199.6	191.9	183.0
-65°	226.8	222.7	218.8	213.5	207.8	201.6	195.4	188.9	182.0	174.8	166.3
-67.5°	206.1	201.7	197.1	192.1	186.5	180.8	175.2	169.4	162.6	154.8	145.7
-70°	180.8	176.4	172.0	167.8	163.2	158.2	152.7	146.7	140.1	132.7	124.6
-72.5°	152.8	149.4	145.9	142.3	138.3	133.6	128.3	122.4	116.2	109.7	103.1
-75°	123.7	121.0	118.0	114.6	110.9	106.8	102.4	97.6	92.8	88.0	82.8
-77.5°	94.1	92.0	89.6	86.8	83.6	80.1	76.4	73.2	69.9	66.2	61.9
-80°	66.2	64.8	63.1	60.9	58.6	56.1	53.4	50.7	47.6	44.6	41.9
-82.5°	42.3	41.3	40.3	39.0	37.5	36.0	34.2	32.3	30.3	28.1	25.7
-85°	24.0	23.4	22.8	22.0	21.1	20.3	19.5	18.6	17.6	16.7	15.8
-87.5°	8.6	8.5	8.3	8.5	8.6	8.7	8.8	8.5	8.2	7.9	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





REPORT NUMBER: P559016 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-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°	7.2	6.9	6.5	6.1	5.7	5.3	4.9	4.5	4.1	3.7	3.2
85°	15.1	14.4	13.6	12.7	11.8	10.7	9.9	9.0	8.2	7.3	6.4
82.5°	24.0	22.8	21.8	20.7	19.6	18.4	16.9	15.2	13.1	11.1	9.6
80°	39.4	36.7	34.0	31.2	28.5	26.0	24.3	22.2	19.3	16.5	13.8
77.5°	57.2	52.6	48.0	44.1	39.9	36.1	32.7	29.3	25.5	21.9	18.4
75°	76.9	70.8	64.8	58.8	52.4	46.0	41.3	36.9	32.2	27.3	23.0
72.5°	96.4	89.4	81.9	74.1	66.7	59.2	51.4	44.4	39.2	33.6	27.8
70°	116.3	108.1	99.8	90.7	81.5	72.3	63.6	54.7	46.1	39.9	33.3
67.5°	136.2	126.5	117.0	107.2	96.7	86.2	75.7	65.5	55.6	46.1	38.9
65°	155.7	144.8	133.7	122.9	111.6	99.9	88.1	76.2	64.9	54.2	44.3
62.5°	173.5	163.0	150.9	138.7	126.3	113.5	100.3	87.3	74.1	62.0	50.7
60°	189.3	178.6	167.5	154.6	141.0	127.1	112.8	98.2	83.9	69.6	57.2
57.5°	203.6	193.3	181.8	169.5	155.6	140.5	125.0	109.2	93.4	77.9	63.5
55°	216.9	206.4	195.4	182.9	169.2	153.7	137.1	120.1	102.9	86.2	69.7
52.5°	227.6	218.4	207.5	195.4	181.5	166.3	148.9	130.7	112.4	94.2	76.7
50°	237.3	228.7	218.5	206.4	193.3	177.4	160.5	141.2	121.7	102.1	83.6
47.5°	246.1	237.8	228.1	216.7	203.2	188.3	170.7	151.5	130.6	110.1	90.2
45°	254.0	245.9	236.8	225.6	212.8	197.6	180.3	161.4	139.5	117.8	96.6
42.5°	261.2	253.0	244.2	234.4	221.1	206.2	189.5	169.9	148.2	125.2	102.8
40°	266.9	259.3	250.9	240.8	228.8	214.6	197.3	177.9	156.5	132.3	109.0
37.5°	272.2	264.7	256.4	247.0	235.7	221.3	204.7	185.5	164.0	139.2	114.8
35°	276.7	269.5	261.3	252.1	241.1	227.8	211.7	192.4	170.3	145.8	120.4
32.5°	280.8	273.7	265.3	256.2	246.2	233.8	217.7	198.2	176.2	151.9	125.6
30°	284.7	277.0	269.1	260.0	250.6	238.3	222.8	203.7	181.8	157.5	130.4
27.5°	287.8	279.8	272.4	263.3	253.8	242.4	227.5	208.8	186.9	162.4	135.0
25°	290.8	282.4	274.7	266.2	256.6	246.2	231.8	213.4	191.2	166.6	139.1
22.5°	293.4	284.8	276.7	268.9	259.1	249.7	235.3	216.9	194.9	170.3	142.9
20°	295.7	287.0	278.3	271.0	261.2	251.7	238.2	220.1	198.3	173.7	146.2
17.5°	297.7	288.8	279.9	272.2	263.0	253.5	240.7	222.9	201.2	176.6	149.2
15°	299.6	290.1	281.3	273.1	264.5	255.0	243.0	225.4	203.7	179.1	151.7
12.5°	301.1	291.1	282.4	273.9	265.6	256.1	244.9	227.5	205.8	181.2	153.8
10°	302.3	291.6	283.2	274.4	266.3	257.0	246.6	229.2	207.5	182.9	155.4
7.5°	303.1	291.8	283.7	274.7	266.9	257.7	247.6	230.4	208.7	184.2	156.6
5°	303.9	292.2	284.2	275.2	267.5	258.3	248.1	231.1	209.5	185.0	157.4
2.5°	305.3	293.2	284.6	275.6	267.9	258.7	248.3	231.4	209.9	185.4	157.8
0°	306.3	294.0	284.8	275.7	268.0	258.8	248.1	231.2	209.8	185.3	157.7
-2.5°	305.3	293.2	284.6	275.6	267.9	258.7	248.3	231.4	209.9	185.4	157.8
-5°	303.9	292.2	284.2	275.2	267.5	258.3	248.1	231.1	209.5	185.0	157.4
-7.5°	303.1	291.8	283.7	274.7	266.9	257.7	247.6	230.4	208.7	184.2	156.6
-10°	302.3	291.6	283.2	274.4	266.3	257.0	246.6	229.2	207.5	182.9	155.4
-12.5°	301.1	291.1	282.4	273.9	265.6	256.1	244.9	227.5	205.8	181.2	153.8
-15°	299.6	290.1	281.3	273.1	264.5	255.0	243.0	225.4	203.7	179.1	151.7
-17.5°	297.7	288.8	279.9	272.2	263.0	253.5	240.7	222.9	201.2	176.6	149.2
-20°	295.7	287.0	278.3	271.0	261.2	251.7	238.2	220.1	198.3	173.7	146.2



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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°	293.4	284.8	276.7	268.9	259.1	249.7	235.3	216.9	194.9	170.3	142.9
-25°	290.8	282.4	274.7	266.2	256.6	246.2	231.8	213.4	191.2	166.6	139.1
-27.5°	287.8	279.8	272.4	263.3	253.8	242.4	227.5	208.8	186.9	162.4	135.0
-30°	284.7	277.0	269.1	260.0	250.6	238.3	222.8	203.7	181.8	157.5	130.4
-32.5°	280.8	273.7	265.3	256.2	246.2	233.8	217.7	198.2	176.2	151.9	125.6
-35°	276.7	269.5	261.3	252.1	241.1	227.8	211.7	192.4	170.3	145.8	120.4
-37.5°	272.2	264.7	256.4	247.0	235.7	221.3	204.7	185.5	164.0	139.2	114.8
-40°	266.9	259.3	250.9	240.8	228.8	214.6	197.3	177.9	156.5	132.3	109.0
-42.5°	261.2	253.0	244.2	234.4	221.1	206.2	189.5	169.9	148.2	125.2	102.8
-45°	254.0	245.9	236.8	225.6	212.8	197.6	180.3	161.4	139.5	117.8	96.6
-47.5°	246.1	237.8	228.1	216.7	203.2	188.3	170.7	151.5	130.6	110.1	90.2
-50°	237.3	228.7	218.5	206.4	193.3	177.4	160.5	141.2	121.7	102.1	83.6
-52.5°	227.6	218.4	207.5	195.4	181.5	166.3	148.9	130.7	112.4	94.2	76.7
-55°	216.9	206.4	195.4	182.9	169.2	153.7	137.1	120.1	102.9	86.2	69.7
-57.5°	203.6	193.3	181.8	169.5	155.6	140.5	125.0	109.2	93.4	77.9	63.5
-60°	189.3	178.6	167.5	154.6	141.0	127.1	112.8	98.2	83.9	69.6	57.2
-62.5°	173.5	163.0	150.9	138.7	126.3	113.5	100.3	87.3	74.1	62.0	50.7
-65°	155.7	144.8	133.7	122.9	111.6	99.9	88.1	76.2	64.9	54.2	44.3
-67.5°	136.2	126.5	117.0	107.2	96.7	86.2	75.7	65.5	55.6	46.1	38.9
-70°	116.3	108.1	99.8	90.7	81.5	72.3	63.6	54.7	46.1	39.9	33.3
-72.5°	96.4	89.4	81.9	74.1	66.7	59.2	51.4	44.4	39.2	33.6	27.8
-75°	76.9	70.8	64.8	58.8	52.4	46.0	41.3	36.9	32.2	27.3	23.0
-77.5°	57.2	52.6	48.0	44.1	39.9	36.1	32.7	29.3	25.5	21.9	18.4
-80°	39.4	36.7	34.0	31.2	28.5	26.0	24.3	22.2	19.3	16.5	13.8
-82.5°	24.0	22.8	21.8	20.7	19.6	18.4	16.9	15.2	13.1	11.1	9.6
-85°	15.1	14.4	13.6	12.7	11.8	10.7	9.9	9.0	8.2	7.3	6.4
-87.5°	7.2	6.9	6.5	6.1	5.7	5.3	4.9	4.5	4.1	3.7	3.2
-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):**

	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°	2.8	2.4	2.0	1.6	1.1	0.5	0.0
85°	5.5	4.8	4.0	3.1	2.1	1.1	0.0
82.5°	8.3	7.2	6.0	4.7	3.2	1.6	0.0
80°	11.2	9.6	8.0	6.2	4.3	2.1	0.0
77.5°	15.1	12.3	9.9	7.7	5.3	2.7	0.0
75°	19.0	15.5	12.0	9.2	6.4	3.2	0.0
72.5°	22.8	18.7	14.6	10.8	7.4	3.7	0.0
70°	26.8	21.9	17.1	12.3	8.4	4.2	0.0
67.5°	31.6	25.0	19.6	14.2	9.4	4.7	0.0
65°	36.3	28.5	22.1	16.1	10.4	5.2	0.0
62.5°	40.9	32.3	24.5	17.9	11.3	5.7	0.0
60°	45.4	36.0	26.9	19.7	12.3	6.1	0.0
57.5°	50.7	39.6	29.7	21.4	13.4	6.6	0.0
55°	56.1	43.1	32.5	23.1	14.5	7.1	0.0
52.5°	61.2	46.6	35.1	24.7	15.6	7.5	0.0
50°	66.3	50.8	37.7	26.3	16.7	7.9	0.0
47.5°	71.2	54.8	40.2	27.9	17.7	8.3	0.0
45°	76.6	58.7	42.6	29.7	18.6	8.7	0.0
42.5°	81.8	62.4	44.8	31.4	19.5	9.1	0.0
40°	86.7	65.9	47.3	33.0	20.4	9.4	0.0
37.5°	91.3	69.3	50.0	34.5	21.3	9.8	0.0
35°	95.6	72.8	52.5	35.8	22.1	10.1	0.0
32.5°	99.8	76.2	54.9	37.1	22.8	10.4	0.0
30°	103.9	79.3	57.2	38.3	23.5	10.7	0.0
27.5°	107.8	82.3	59.2	39.4	24.1	10.9	0.0
25°	111.3	84.9	61.1	40.3	24.7	11.1	0.0
22.5°	114.5	87.3	62.8	41.2	25.3	11.4	0.0
20°	117.3	89.6	64.3	42.0	25.8	11.6	0.0
17.5°	119.9	91.5	65.7	42.6	26.2	11.7	0.0
15°	122.2	93.2	66.9	43.2	26.6	11.9	0.0
12.5°	124.1	94.7	68.0	43.7	26.9	12.0	0.0
10°	125.7	95.9	68.8	44.0	27.1	12.1	0.0
7.5°	127.0	96.8	69.5	44.3	27.3	12.2	0.0
5°	127.9	97.5	70.0	44.4	27.5	12.3	0.0
2.5°	128.4	97.9	70.3	44.5	27.6	12.3	0.0
0°	128.6	98.0	70.4	44.4	27.6	12.3	0.0
-2.5°	128.4	97.9	70.3	44.5	27.6	12.3	0.0
-5°	127.9	97.5	70.0	44.4	27.5	12.3	0.0
-7.5°	127.0	96.8	69.5	44.3	27.3	12.2	0.0
-10°	125.7	95.9	68.8	44.0	27.1	12.1	0.0
-12.5°	124.1	94.7	68.0	43.7	26.9	12.0	0.0
-15°	122.2	93.2	66.9	43.2	26.6	11.9	0.0
-17.5°	119.9	91.5	65.7	42.6	26.2	11.7	0.0
-20°	117.3	89.6	64.3	42.0	25.8	11.6	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	114.5	87.3	62.8	41.2	25.3	11.4	0.0
-25°	111.3	84.9	61.1	40.3	24.7	11.1	0.0
-27.5°	107.8	82.3	59.2	39.4	24.1	10.9	0.0
-30°	103.9	79.3	57.2	38.3	23.5	10.7	0.0
-32.5°	99.8	76.2	54.9	37.1	22.8	10.4	0.0
-35°	95.6	72.8	52.5	35.8	22.1	10.1	0.0
-37.5°	91.3	69.3	50.0	34.5	21.3	9.8	0.0
-40°	86.7	65.9	47.3	33.0	20.4	9.4	0.0
-42.5°	81.8	62.4	44.8	31.4	19.5	9.1	0.0
-45°	76.6	58.7	42.6	29.7	18.6	8.7	0.0
-47.5°	71.2	54.8	40.2	27.9	17.7	8.3	0.0
-50°	66.3	50.8	37.7	26.3	16.7	7.9	0.0
-52.5°	61.2	46.6	35.1	24.7	15.6	7.5	0.0
-55°	56.1	43.1	32.5	23.1	14.5	7.1	0.0
-57.5°	50.7	39.6	29.7	21.4	13.4	6.6	0.0
-60°	45.4	36.0	26.9	19.7	12.3	6.1	0.0
-62.5°	40.9	32.3	24.5	17.9	11.3	5.7	0.0
-65°	36.3	28.5	22.1	16.1	10.4	5.2	0.0
-67.5°	31.6	25.0	19.6	14.2	9.4	4.7	0.0
-70°	26.8	21.9	17.1	12.3	8.4	4.2	0.0
-72.5°	22.8	18.7	14.6	10.8	7.4	3.7	0.0
-75°	19.0	15.5	12.0	9.2	6.4	3.2	0.0
-77.5°	15.1	12.3	9.9	7.7	5.3	2.7	0.0
-80°	11.2	9.6	8.0	6.2	4.3	2.1	0.0
-82.5°	8.3	7.2	6.0	4.7	3.2	1.6	0.0
-85°	5.5	4.8	4.0	3.1	2.1	1.1	0.0
-87.5°	2.8	2.4	2.0	1.6	1.1	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)