

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: P559000 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-940-U-TS-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559000 (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-SA4E-940-U-TS-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQUARE, TIGHT SPOT N2  
Light Source: (64) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

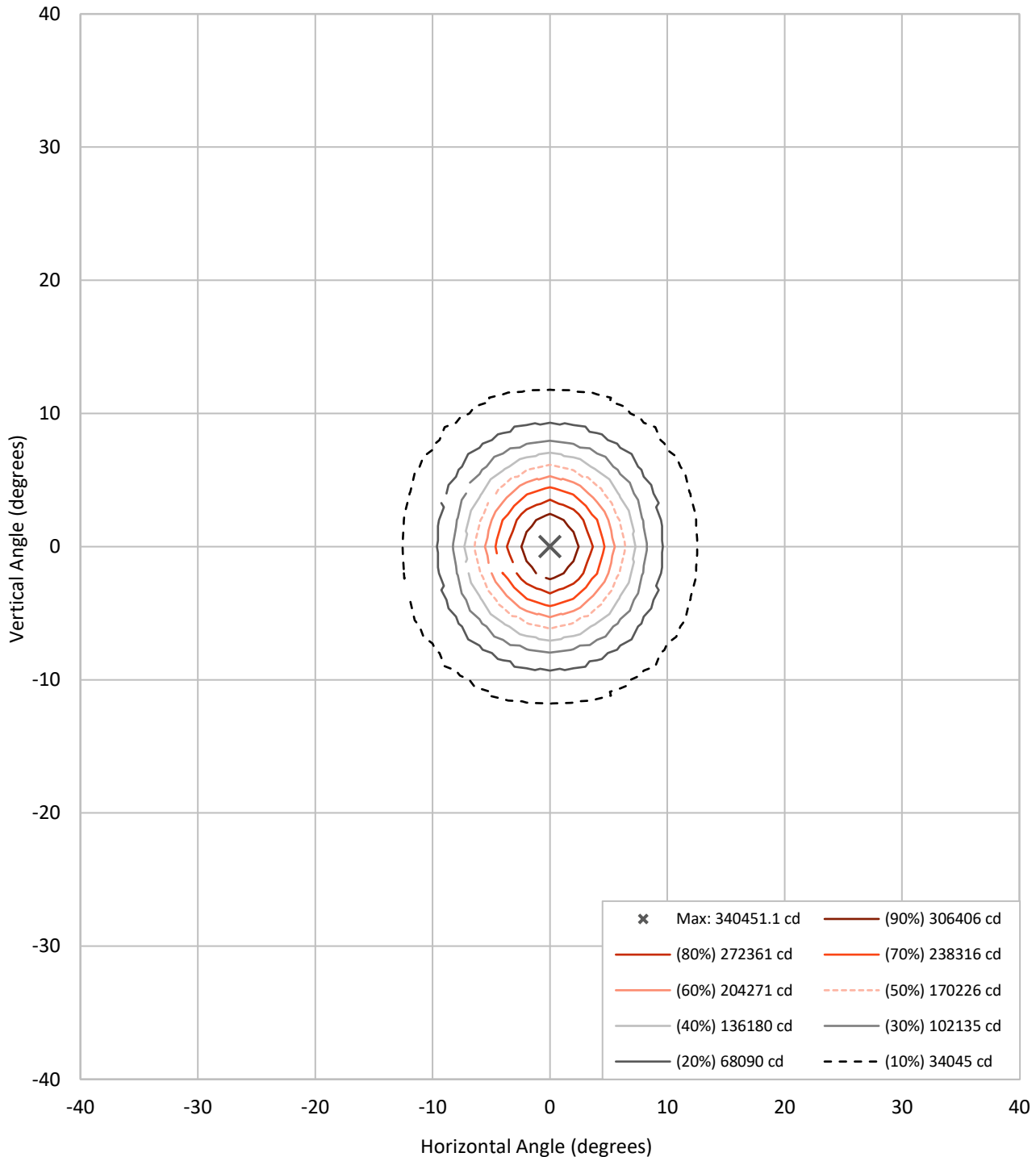
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	24678.2 lumens	Max Intensity:	340451.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	98.7 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	12.7°H x 12.3°V	Field Angle (10%):	24.6°H x 23.6°V
Beam Lumens:	7797.9 lumens	Field Lumens:	17275.1 lumens
Beam Efficiency:	31.6%	Field Efficiency:	70.0%

Input Watts (W): 250  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Candela Plot





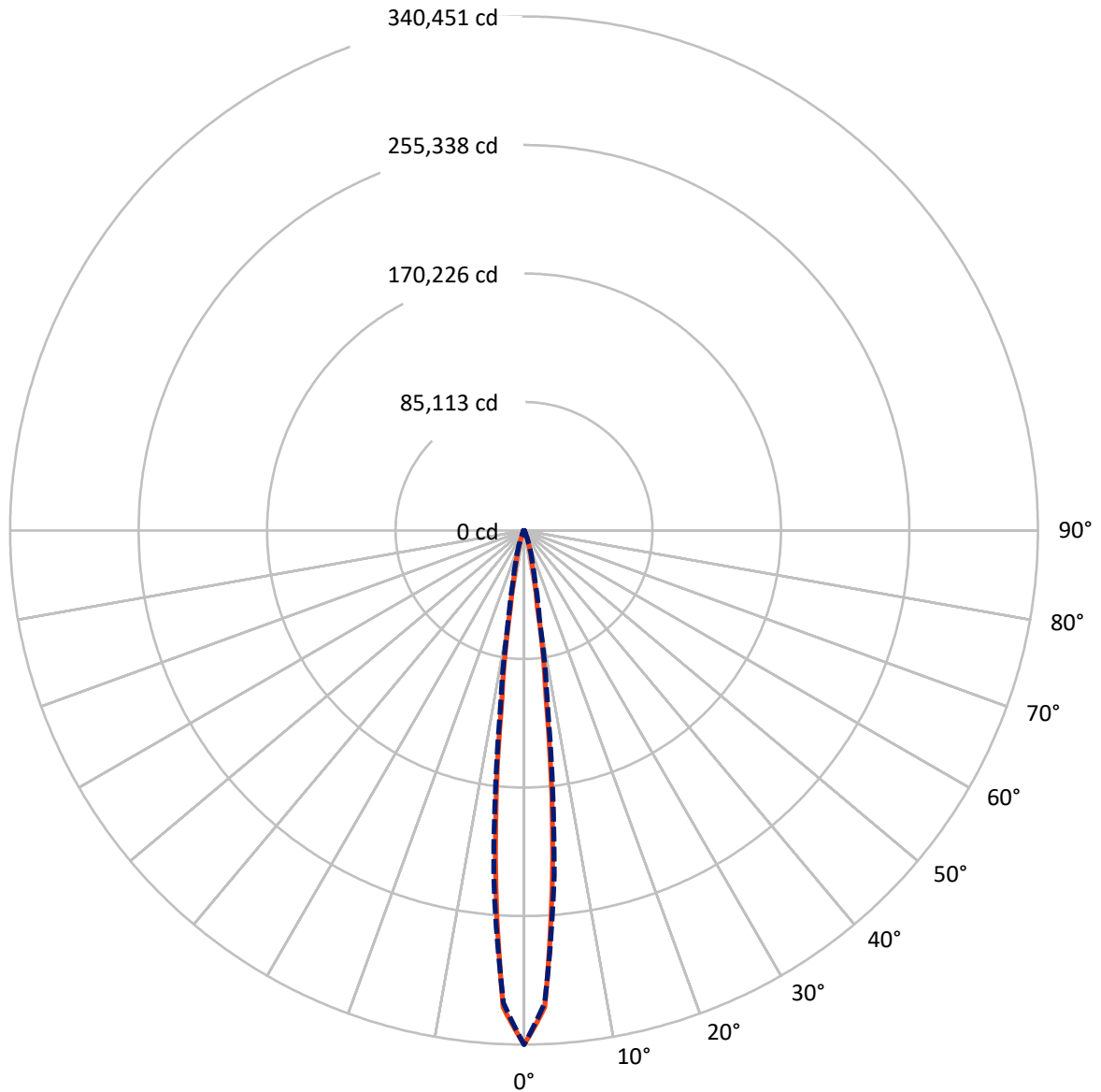
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### Lumen Table

90	0.4	2.9		7.9		12.8		14.8		12.8		7.9		2.9		0.4			
80	0.4	2.9		7.9		12.8		14.8		12.8		7.9		2.9		0.4			
70	1.3	1.5	3.2	5.3	7.2	8.9	10.1	10.8	10.8	10.1	8.9	7.2	5.3	3.2	1.5	1.3			
60		2.3	4.8	7.2	9.3	11.0	12.1	12.5	12.5	12.1	11.0	9.3	7.2	4.8	2.3				
50	2.4	3.1	5.9	8.4	10.5	12.3	13.7	14.4	14.4	13.7	12.3	10.5	8.4	5.9	3.1	2.4			
40		3.7	6.6	9.1	11.7	15.0	18.8	21.2	21.2	18.8	15.0	11.7	9.1	6.6	3.7				
30	3.2	4.1	6.9	9.7	13.7	21.3	47.3	86.1	86.1	47.3	21.3	13.7	9.7	6.9	4.1	3.2			
20		4.3	7.1	10.2	16.3	45.8	258.8	569.3	569.3	258.8	45.8	16.3	10.2	7.1	4.3				
10	3.5	4.4	7.2	10.5	18.0	87.9	621.2	4018.6	4018.6	621.2	87.9	18.0	10.5	7.2	4.4	3.5			
0		4.4	7.2	10.5	18.0	87.9	621.2	4018.6	4018.6	621.2	87.9	18.0	10.5	7.2	4.4				
-10	3.2	4.3	7.1	10.2	16.3	45.8	258.8	569.3	569.3	258.8	45.8	16.3	10.2	7.1	4.3	3.2			
-20		4.1	6.9	9.7	13.7	21.3	47.3	86.1	86.1	47.3	21.3	13.7	9.7	6.9	4.1				
-30	2.4	3.7	6.6	9.1	11.7	15.0	18.8	21.2	21.2	18.8	15.0	11.7	9.1	6.6	3.7	2.4			
-40		3.1	5.9	8.4	10.5	12.3	13.7	14.4	14.4	13.7	12.3	10.5	8.4	5.9	3.1				
-50	1.3	2.3	4.8	7.2	9.3	11.0	12.1	12.5	12.5	12.1	11.0	9.3	7.2	4.8	2.3	1.3			
-60		1.5	3.2	5.3	7.2	8.9	10.1	10.8	10.8	10.1	8.9	7.2	5.3	3.2	1.5				
-70	0.4	2.9		7.9		12.8		14.8		12.8		7.9		2.9		0.4			
-80		2.9		7.9		12.8		14.8		12.8		7.9		2.9					
-90	0.4	2.9		7.9		12.8		14.8		12.8		7.9		2.9		0.4			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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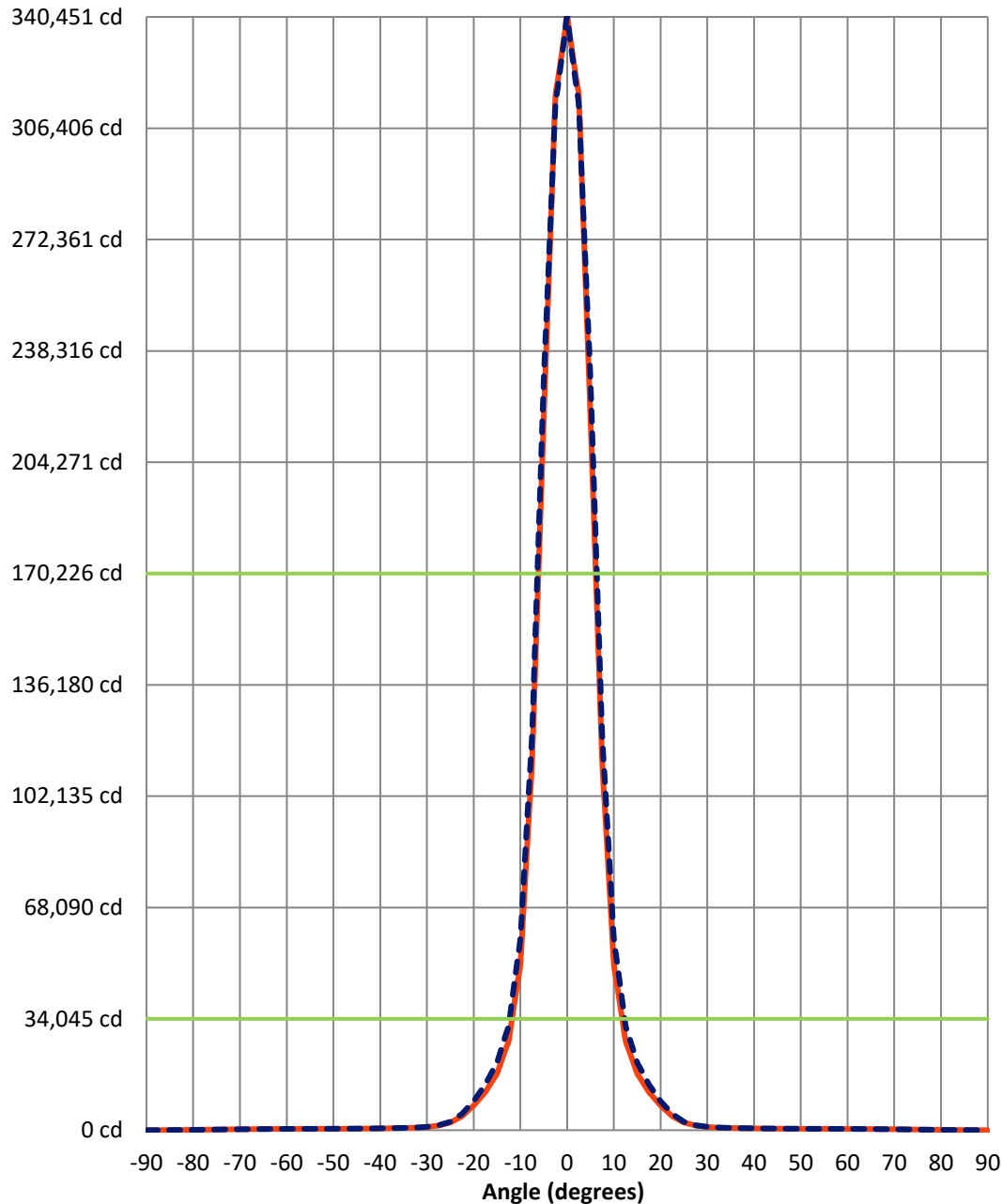
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 12.7°  
V Angle: 12.3°  
Lumens: 7797.9  
Efficiency: 31.6%

**Field:**  
H Angle: 24.6°  
V Angle: 23.6°  
Lumens: 17275.1  
Efficiency: 70.0%

**Spill:**  
Lumens: 7403.2  
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	0.8	1.6	2.3	3.0	3.6	4.1	4.8	5.5	6.1	6.8
85°	0.0	1.6	3.2	4.6	6.0	7.2	8.3	9.6	10.9	12.2	13.5
82.5°	0.0	2.4	4.8	6.9	8.9	10.7	12.4	14.4	16.6	19.6	22.7
80°	0.0	3.2	6.3	9.2	11.9	14.3	16.7	20.6	24.7	28.9	33.2
77.5°	0.0	4.0	7.9	11.5	14.8	18.3	22.6	27.6	32.8	38.2	43.9
75°	0.0	4.7	9.5	13.8	17.9	23.2	28.4	34.4	40.9	48.3	55.3
72.5°	0.0	5.5	11.0	16.0	21.8	28.0	34.2	41.6	50.4	58.7	66.6
70°	0.0	6.3	12.5	18.4	25.6	32.8	40.1	50.0	59.8	69.1	82.0
67.5°	0.0	7.0	14.0	21.2	29.4	37.5	47.3	58.3	69.1	83.3	98.0
65°	0.0	7.7	15.5	24.0	33.1	42.7	54.4	66.4	81.2	97.1	114.1
62.5°	0.0	8.4	16.9	26.7	36.7	48.4	61.3	75.9	92.9	110.9	130.7
60°	0.0	9.1	18.3	29.4	40.3	53.9	68.0	85.7	104.2	125.6	147.0
57.5°	0.0	9.8	20.0	32.0	44.5	59.3	76.0	95.1	116.6	139.9	163.4
55°	0.0	10.5	21.7	34.5	48.6	64.6	84.0	104.4	129.0	154.0	179.7
52.5°	0.0	11.1	23.3	37.0	52.7	69.8	91.7	114.9	141.1	168.3	195.6
50°	0.0	11.8	24.8	39.4	56.5	76.1	99.2	125.2	152.9	182.1	211.3
47.5°	0.0	12.4	26.4	41.8	60.2	82.1	106.6	135.1	164.8	195.4	226.6
45°	0.0	12.9	27.8	44.5	63.8	87.9	114.7	144.6	176.3	208.8	241.5
42.5°	0.0	13.5	29.2	47.0	67.2	93.4	122.4	154.0	187.3	221.7	254.3
40°	0.0	14.0	30.5	49.4	70.9	98.7	129.7	163.2	198.0	234.1	266.2
37.5°	0.0	14.5	31.8	51.6	74.9	103.8	136.7	171.9	208.4	245.4	277.6
35°	0.0	15.0	33.0	53.7	78.7	109.0	143.2	180.2	218.1	254.9	287.9
32.5°	0.0	15.4	34.1	55.6	82.3	114.0	149.4	187.9	227.3	263.7	296.7
30°	0.0	15.8	35.1	57.4	85.6	118.8	155.6	195.2	235.7	272.0	304.9
27.5°	0.0	16.2	36.1	59.0	88.6	123.1	161.3	202.0	243.1	279.7	312.5
25°	0.0	16.6	37.0	60.4	91.4	127.1	166.6	208.2	249.3	286.2	319.4
22.5°	0.0	16.9	37.8	61.7	94.0	130.8	171.3	213.9	254.9	291.8	324.6
20°	0.0	17.2	38.5	62.9	96.3	134.1	175.6	218.9	259.9	296.8	329.4
17.5°	0.0	17.5	39.2	63.9	98.4	137.0	179.5	223.2	264.3	301.2	333.6
15°	0.0	17.7	39.7	64.7	100.2	139.6	182.9	227.0	268.1	305.0	337.3
12.5°	0.0	17.9	40.2	65.4	101.8	141.7	185.8	230.1	271.2	308.1	340.5
10°	0.0	18.0	40.6	65.9	103.1	143.5	188.2	232.6	273.7	310.6	343.0
7.5°	0.0	18.1	40.9	66.3	104.1	144.9	190.1	234.4	275.6	312.4	344.8
5°	0.0	18.2	41.1	66.5	104.8	145.9	191.4	235.6	276.8	313.6	345.9
2.5°	0.0	18.3	41.3	66.6	105.3	146.5	192.2	236.2	277.4	314.1	346.3
0°	0.0	18.3	41.3	66.5	105.4	146.7	192.5	236.1	277.3	314.0	346.1
-2.5°	0.0	18.3	41.3	66.6	105.3	146.5	192.2	236.2	277.4	314.1	346.3
-5°	0.0	18.2	41.1	66.5	104.8	145.9	191.4	235.6	276.8	313.6	345.9
-7.5°	0.0	18.1	40.9	66.3	104.1	144.9	190.1	234.4	275.6	312.4	344.8
-10°	0.0	18.0	40.6	65.9	103.1	143.5	188.2	232.6	273.7	310.6	343.0
-12.5°	0.0	17.9	40.2	65.4	101.8	141.7	185.8	230.1	271.2	308.1	340.5
-15°	0.0	17.7	39.7	64.7	100.2	139.6	182.9	227.0	268.1	305.0	337.3
-17.5°	0.0	17.5	39.2	63.9	98.4	137.0	179.5	223.2	264.3	301.2	333.6
-20°	0.0	17.2	38.5	62.9	96.3	134.1	175.6	218.9	259.9	296.8	329.4



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 CATALOG NUMBER: GFLD-SA4E-940-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	16.9	37.8	61.7	94.0	130.8	171.3	213.9	254.9	291.8	324.6
-25°	0.0	16.6	37.0	60.4	91.4	127.1	166.6	208.2	249.3	286.2	319.4
-27.5°	0.0	16.2	36.1	59.0	88.6	123.1	161.3	202.0	243.1	279.7	312.5
-30°	0.0	15.8	35.1	57.4	85.6	118.8	155.6	195.2	235.7	272.0	304.9
-32.5°	0.0	15.4	34.1	55.6	82.3	114.0	149.4	187.9	227.3	263.7	296.7
-35°	0.0	15.0	33.0	53.7	78.7	109.0	143.2	180.2	218.1	254.9	287.9
-37.5°	0.0	14.5	31.8	51.6	74.9	103.8	136.7	171.9	208.4	245.4	277.6
-40°	0.0	14.0	30.5	49.4	70.9	98.7	129.7	163.2	198.0	234.1	266.2
-42.5°	0.0	13.5	29.2	47.0	67.2	93.4	122.4	154.0	187.3	221.7	254.3
-45°	0.0	12.9	27.8	44.5	63.8	87.9	114.7	144.6	176.3	208.8	241.5
-47.5°	0.0	12.4	26.4	41.8	60.2	82.1	106.6	135.1	164.8	195.4	226.6
-50°	0.0	11.8	24.8	39.4	56.5	76.1	99.2	125.2	152.9	182.1	211.3
-52.5°	0.0	11.1	23.3	37.0	52.7	69.8	91.7	114.9	141.1	168.3	195.6
-55°	0.0	10.5	21.7	34.5	48.6	64.6	84.0	104.4	129.0	154.0	179.7
-57.5°	0.0	9.8	20.0	32.0	44.5	59.3	76.0	95.1	116.6	139.9	163.4
-60°	0.0	9.1	18.3	29.4	40.3	53.9	68.0	85.7	104.2	125.6	147.0
-62.5°	0.0	8.4	16.9	26.7	36.7	48.4	61.3	75.9	92.9	110.9	130.7
-65°	0.0	7.7	15.5	24.0	33.1	42.7	54.4	66.4	81.2	97.1	114.1
-67.5°	0.0	7.0	14.0	21.2	29.4	37.5	47.3	58.3	69.1	83.3	98.0
-70°	0.0	6.3	12.5	18.4	25.6	32.8	40.1	50.0	59.8	69.1	82.0
-72.5°	0.0	5.5	11.0	16.0	21.8	28.0	34.2	41.6	50.4	58.7	66.6
-75°	0.0	4.7	9.5	13.8	17.9	23.2	28.4	34.4	40.9	48.3	55.3
-77.5°	0.0	4.0	7.9	11.5	14.8	18.3	22.6	27.6	32.8	38.2	43.9
-80°	0.0	3.2	6.3	9.2	11.9	14.3	16.7	20.6	24.7	28.9	33.2
-82.5°	0.0	2.4	4.8	6.9	8.9	10.7	12.4	14.4	16.6	19.6	22.7
-85°	0.0	1.6	3.2	4.6	6.0	7.2	8.3	9.6	10.9	12.2	13.5
-87.5°	0.0	0.8	1.6	2.3	3.0	3.6	4.1	4.8	5.5	6.1	6.8
-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°	7.4	8.0	8.6	9.2	9.7	10.3	10.8	11.3	11.8	12.3	12.7
85°	14.8	16.0	17.6	19.0	20.4	21.6	22.7	23.6	25.0	26.4	27.8
82.5°	25.3	27.5	29.4	30.9	32.6	34.1	35.8	38.5	42.0	45.3	48.4
80°	36.4	39.0	42.6	46.7	50.9	55.0	59.0	62.8	66.8	71.3	75.9
77.5°	48.9	54.1	59.8	65.9	71.9	78.7	85.6	92.7	99.1	104.6	109.5
75°	61.9	69.0	78.5	88.0	97.0	105.9	115.0	123.9	131.6	138.8	146.0
72.5°	77.1	88.6	99.9	110.9	122.6	133.7	144.3	154.2	164.1	173.9	183.2
70°	95.2	108.3	121.9	135.8	149.3	161.7	174.0	186.4	198.7	209.7	219.5
67.5°	113.3	129.0	144.7	160.3	175.1	189.3	203.8	218.1	231.7	243.3	253.5
65°	131.9	149.5	167.0	183.9	200.1	216.7	233.0	248.7	261.6	272.3	282.6
62.5°	150.2	169.9	189.0	207.5	225.8	244.0	259.7	273.9	287.2	298.7	309.9
60°	168.8	190.3	211.0	231.4	250.7	267.3	283.4	297.6	310.9	323.6	333.0
57.5°	187.2	210.3	232.7	253.7	272.2	289.4	304.8	319.7	331.3	341.5	351.8
55°	205.1	230.0	253.1	273.8	292.5	309.0	324.6	337.0	348.6	358.2	368.2
52.5°	222.8	248.8	271.7	292.5	310.6	326.9	340.6	352.9	363.7	373.5	381.7
50°	240.1	265.5	289.3	309.0	327.0	342.2	355.2	367.0	377.4	386.4	393.9
47.5°	255.5	281.8	304.2	324.4	341.4	355.9	368.4	379.7	390.0	398.0	405.4
45°	269.8	295.7	318.5	337.7	354.4	368.0	380.1	391.8	400.4	408.3	414.0
42.5°	283.6	308.7	330.9	350.8	365.4	378.7	390.9	401.1	410.0	416.8	422.9
40°	295.3	321.2	342.4	360.5	375.5	388.1	399.4	409.6	418.3	425.1	431.7
37.5°	306.3	331.3	352.8	369.6	383.7	396.2	407.4	416.9	425.5	432.6	441.6
35°	316.9	340.9	360.9	377.3	391.0	403.3	414.0	423.7	432.2	442.0	452.4
32.5°	325.9	350.0	368.5	383.5	397.0	409.6	420.2	430.1	439.9	451.0	463.9
30°	333.5	356.7	375.1	389.1	402.7	414.5	426.0	436.6	447.3	460.7	477.5
27.5°	340.5	362.9	379.9	394.0	407.6	418.7	430.8	442.8	455.4	470.9	492.1
25°	346.9	368.5	384.1	398.5	411.1	422.7	435.1	447.4	463.2	483.8	511.4
22.5°	352.2	373.7	387.8	402.5	414.1	426.3	439.0	452.8	470.7	495.5	531.7
20°	356.4	376.8	391.0	405.5	416.5	429.5	442.5	457.5	478.8	511.2	553.0
17.5°	360.3	379.4	393.6	407.3	418.9	432.2	445.5	461.3	485.5	525.8	572.7
15°	363.7	381.6	395.8	408.7	421.0	434.3	448.3	466.3	494.5	539.9	590.4
12.5°	366.6	383.4	397.4	409.9	422.6	435.7	450.6	470.5	504.0	553.1	608.0
10°	369.0	384.7	398.6	410.6	423.8	436.5	452.4	473.3	510.8	560.5	618.5
7.5°	370.5	385.7	399.4	411.0	424.6	436.7	453.7	474.7	515.0	564.5	624.2
5°	371.4	386.6	400.3	411.8	425.4	437.3	454.8	474.9	516.7	565.3	626.3
2.5°	371.6	387.1	400.9	412.3	426.1	438.9	457.0	477.4	518.3	568.0	627.8
0°	371.3	387.3	401.1	412.5	426.3	440.1	458.4	479.0	518.0	570.7	628.0
-2.5°	371.6	387.1	400.9	412.3	426.1	438.9	457.0	477.4	518.3	568.0	627.8
-5°	371.4	386.6	400.3	411.8	425.4	437.3	454.8	474.9	516.7	565.3	626.3
-7.5°	370.5	385.7	399.4	411.0	424.6	436.7	453.7	474.7	515.0	564.5	624.2
-10°	369.0	384.7	398.6	410.6	423.8	436.5	452.4	473.3	510.8	560.5	618.5
-12.5°	366.6	383.4	397.4	409.9	422.6	435.7	450.6	470.5	504.0	553.1	608.0
-15°	363.7	381.6	395.8	408.7	421.0	434.3	448.3	466.3	494.5	539.9	590.4
-17.5°	360.3	379.4	393.6	407.3	418.9	432.2	445.5	461.3	485.5	525.8	572.7
-20°	356.4	376.8	391.0	405.5	416.5	429.5	442.5	457.5	478.8	511.2	553.0



REPORT NUMBER: P559000 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	352.2	373.7	387.8	402.5	414.1	426.3	439.0	452.8	470.7	495.5	531.7
-25°	346.9	368.5	384.1	398.5	411.1	422.7	435.1	447.4	463.2	483.8	511.4
-27.5°	340.5	362.9	379.9	394.0	407.6	418.7	430.8	442.8	455.4	470.9	492.1
-30°	333.5	356.7	375.1	389.1	402.7	414.5	426.0	436.6	447.3	460.7	477.5
-32.5°	325.9	350.0	368.5	383.5	397.0	409.6	420.2	430.1	439.9	451.0	463.9
-35°	316.9	340.9	360.9	377.3	391.0	403.3	414.0	423.7	432.2	442.0	452.4
-37.5°	306.3	331.3	352.8	369.6	383.7	396.2	407.4	416.9	425.5	432.6	441.6
-40°	295.3	321.2	342.4	360.5	375.5	388.1	399.4	409.6	418.3	425.1	431.7
-42.5°	283.6	308.7	330.9	350.8	365.4	378.7	390.9	401.1	410.0	416.8	422.9
-45°	269.8	295.7	318.5	337.7	354.4	368.0	380.1	391.8	400.4	408.3	414.0
-47.5°	255.5	281.8	304.2	324.4	341.4	355.9	368.4	379.7	390.0	398.0	405.4
-50°	240.1	265.5	289.3	309.0	327.0	342.2	355.2	367.0	377.4	386.4	393.9
-52.5°	222.8	248.8	271.7	292.5	310.6	326.9	340.6	352.9	363.7	373.5	381.7
-55°	205.1	230.0	253.1	273.8	292.5	309.0	324.6	337.0	348.6	358.2	368.2
-57.5°	187.2	210.3	232.7	253.7	272.2	289.4	304.8	319.7	331.3	341.5	351.8
-60°	168.8	190.3	211.0	231.4	250.7	267.3	283.4	297.6	310.9	323.6	333.0
-62.5°	150.2	169.9	189.0	207.5	225.8	244.0	259.7	273.9	287.2	298.7	309.9
-65°	131.9	149.5	167.0	183.9	200.1	216.7	233.0	248.7	261.6	272.3	282.6
-67.5°	113.3	129.0	144.7	160.3	175.1	189.3	203.8	218.1	231.7	243.3	253.5
-70°	95.2	108.3	121.9	135.8	149.3	161.7	174.0	186.4	198.7	209.7	219.5
-72.5°	77.1	88.6	99.9	110.9	122.6	133.7	144.3	154.2	164.1	173.9	183.2
-75°	61.9	69.0	78.5	88.0	97.0	105.9	115.0	123.9	131.6	138.8	146.0
-77.5°	48.9	54.1	59.8	65.9	71.9	78.7	85.6	92.7	99.1	104.6	109.5
-80°	36.4	39.0	42.6	46.7	50.9	55.0	59.0	62.8	66.8	71.3	75.9
-82.5°	25.3	27.5	29.4	30.9	32.6	34.1	35.8	38.5	42.0	45.3	48.4
-85°	14.8	16.0	17.6	19.0	20.4	21.6	22.7	23.6	25.0	26.4	27.8
-87.5°	7.4	8.0	8.6	9.2	9.7	10.3	10.8	11.3	11.8	12.3	12.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559000 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	13.1	13.0	12.9	12.7	12.5	12.7	13.0	13.2	13.3	13.5	13.6
85°	29.2	30.4	31.7	33.0	34.3	35.2	36.0	36.7	37.3	37.8	38.2
82.5°	51.3	53.9	56.3	58.4	60.4	62.0	63.4	64.6	65.7	66.7	67.4
80°	80.0	84.0	87.7	91.2	94.4	97.0	99.1	100.9	102.4	104.0	105.3
77.5°	114.4	119.9	125.1	129.9	134.2	137.7	140.8	143.5	145.7	148.5	151.1
75°	153.1	159.8	165.9	171.5	176.6	181.2	185.2	188.8	191.8	194.8	197.3
72.5°	192.0	200.1	207.1	213.0	218.4	223.6	228.7	233.5	237.9	241.2	243.6
70°	228.6	236.8	244.3	251.1	257.4	263.9	270.6	276.7	282.3	285.9	288.0
67.5°	262.1	270.5	279.1	287.5	295.0	301.8	308.5	314.5	320.0	323.7	325.9
65°	292.5	301.7	310.9	319.5	327.4	333.2	339.3	345.0	350.4	354.7	357.9
62.5°	320.8	329.9	337.7	345.0	351.8	357.6	363.5	368.8	373.4	377.5	381.3
60°	342.4	351.7	359.3	366.1	372.4	378.2	382.8	386.8	389.9	392.5	394.9
57.5°	361.0	369.9	377.5	383.1	388.7	394.3	398.2	400.7	402.6	404.0	405.0
55°	377.0	384.1	390.5	396.7	402.2	407.0	410.6	412.2	413.2	413.7	414.2
52.5°	389.8	396.8	403.4	409.2	413.5	417.6	421.1	422.0	422.5	422.8	422.9
50°	401.6	408.4	413.6	418.5	422.9	426.6	429.6	431.0	431.8	432.0	431.6
47.5°	411.1	416.9	422.6	427.7	432.2	436.5	439.8	441.8	443.3	443.8	443.8
45°	419.3	426.2	432.3	438.3	443.5	449.0	453.7	456.9	460.1	462.3	463.4
42.5°	429.3	436.1	442.8	451.0	458.6	465.8	473.6	480.4	487.5	495.1	500.3
40°	439.3	446.6	457.1	467.0	478.0	488.1	504.4	520.8	533.2	543.8	553.4
37.5°	450.7	461.5	474.0	486.7	504.8	523.5	544.2	564.5	582.2	598.1	611.0
35°	463.9	478.4	493.7	516.3	539.3	562.4	587.1	614.1	637.0	653.7	665.8
32.5°	479.9	498.2	522.7	551.6	579.9	609.9	639.7	669.8	692.4	715.7	739.1
30°	497.8	524.1	555.8	591.0	626.3	662.1	699.6	741.3	781.0	823.7	884.6
27.5°	520.5	552.6	589.9	631.5	674.0	716.7	782.1	853.7	960.0	1044.9	1189.0
25°	544.7	582.4	626.8	675.0	727.0	803.4	923.0	1064.4	1314.9	1509.1	1803.9
22.5°	571.8	616.1	665.2	720.7	804.4	948.5	1153.1	1516.1	2021.3	2520.1	3074.9
20°	598.5	647.5	701.4	785.1	927.4	1155.4	1598.4	2383.3	3260.0	4508.1	5555.7
17.5°	623.9	675.9	744.2	857.5	1070.4	1528.9	2387.1	3731.6	5562.6	7574.5	9252.3
15°	646.1	699.3	791.2	970.7	1330.4	2044.6	3340.4	5628.6	8705.0	11459.7	13916.7
12.5°	664.9	727.9	842.2	1062.1	1556.2	2613.3	4691.9	7941.1	11697.9	15561.2	18670.6
10°	678.5	758.2	910.3	1231.2	1915.0	3290.2	5818.5	9916.9	14440.3	19135.8	24756.8
7.5°	686.8	780.0	961.9	1356.8	2234.9	4043.9	7231.5	11681.0	16875.5	23285.4	31873.5
5°	692.7	794.7	1000.2	1451.3	2448.7	4542.1	8123.7	13017.6	18976.6	28245.0	45919.8
2.5°	695.6	801.2	1022.0	1503.1	2546.1	4798.3	8751.6	13782.9	20255.0	31743.7	55650.3
0°	694.5	797.6	1024.5	1515.0	2560.1	4994.1	8856.0	14001.4	20687.0	32057.3	58769.8
-2.5°	695.6	801.2	1022.0	1503.1	2546.1	4798.3	8751.6	13782.9	20255.0	31743.7	55650.3
-5°	692.7	794.7	1000.2	1451.3	2448.7	4542.1	8123.7	13017.6	18976.6	28245.0	45919.8
-7.5°	686.8	780.0	961.9	1356.8	2234.9	4043.9	7231.5	11681.0	16875.5	23285.4	31873.5
-10°	678.5	758.2	910.3	1231.2	1915.0	3290.2	5818.5	9916.9	14440.3	19135.8	24756.8
-12.5°	664.9	727.9	842.2	1062.1	1556.2	2613.3	4691.9	7941.1	11697.9	15561.2	18670.6
-15°	646.1	699.3	791.2	970.7	1330.4	2044.6	3340.4	5628.6	8705.0	11459.7	13916.7
-17.5°	623.9	675.9	744.2	857.5	1070.4	1528.9	2387.1	3731.6	5562.6	7574.5	9252.3
-20°	598.5	647.5	701.4	785.1	927.4	1155.4	1598.4	2383.3	3260.0	4508.1	5555.7



REPORT NUMBER: P559000 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-940-U-TS-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	571.8	616.1	665.2	720.7	804.4	948.5	1153.1	1516.1	2021.3	2520.1	3074.9
-25°	544.7	582.4	626.8	675.0	727.0	803.4	923.0	1064.4	1314.9	1509.1	1803.9
-27.5°	520.5	552.6	589.9	631.5	674.0	716.7	782.1	853.7	960.0	1044.9	1189.0
-30°	497.8	524.1	555.8	591.0	626.3	662.1	699.6	741.3	781.0	823.7	884.6
-32.5°	479.9	498.2	522.7	551.6	579.9	609.9	639.7	669.8	692.4	715.7	739.1
-35°	463.9	478.4	493.7	516.3	539.3	562.4	587.1	614.1	637.0	653.7	665.8
-37.5°	450.7	461.5	474.0	486.7	504.8	523.5	544.2	564.5	582.2	598.1	611.0
-40°	439.3	446.6	457.1	467.0	478.0	488.1	504.4	520.8	533.2	543.8	553.4
-42.5°	429.3	436.1	442.8	451.0	458.6	465.8	473.6	480.4	487.5	495.1	500.3
-45°	419.3	426.2	432.3	438.3	443.5	449.0	453.7	456.9	460.1	462.3	463.4
-47.5°	411.1	416.9	422.6	427.7	432.2	436.5	439.8	441.8	443.3	443.8	443.8
-50°	401.6	408.4	413.6	418.5	422.9	426.6	429.6	431.0	431.8	432.0	431.6
-52.5°	389.8	396.8	403.4	409.2	413.5	417.6	421.1	422.0	422.5	422.8	422.9
-55°	377.0	384.1	390.5	396.7	402.2	407.0	410.6	412.2	413.2	413.7	414.2
-57.5°	361.0	369.9	377.5	383.1	388.7	394.3	398.2	400.7	402.6	404.0	405.0
-60°	342.4	351.7	359.3	366.1	372.4	378.2	382.8	386.8	389.9	392.5	394.9
-62.5°	320.8	329.9	337.7	345.0	351.8	357.6	363.5	368.8	373.4	377.5	381.3
-65°	292.5	301.7	310.9	319.5	327.4	333.2	339.3	345.0	350.4	354.7	357.9
-67.5°	262.1	270.5	279.1	287.5	295.0	301.8	308.5	314.5	320.0	323.7	325.9
-70°	228.6	236.8	244.3	251.1	257.4	263.9	270.6	276.7	282.3	285.9	288.0
-72.5°	192.0	200.1	207.1	213.0	218.4	223.6	228.7	233.5	237.9	241.2	243.6
-75°	153.1	159.8	165.9	171.5	176.6	181.2	185.2	188.8	191.8	194.8	197.3
-77.5°	114.4	119.9	125.1	129.9	134.2	137.7	140.8	143.5	145.7	148.5	151.1
-80°	80.0	84.0	87.7	91.2	94.4	97.0	99.1	100.9	102.4	104.0	105.3
-82.5°	51.3	53.9	56.3	58.4	60.4	62.0	63.4	64.6	65.7	66.7	67.4
-85°	29.2	30.4	31.7	33.0	34.3	35.2	36.0	36.7	37.3	37.8	38.2
-87.5°	13.1	13.0	12.9	12.7	12.5	12.7	13.0	13.2	13.3	13.5	13.6
-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: P559000 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	13.7	13.7	13.8	13.8	13.8	13.7	13.7	13.6	13.5	13.3	13.2
85°	38.6	38.8	39.0	39.0	39.0	38.8	38.6	38.2	37.8	37.3	36.7
82.5°	68.0	68.5	68.7	68.8	68.7	68.5	68.0	67.4	66.7	65.7	64.6
80°	106.4	107.1	107.6	107.7	107.6	107.1	106.4	105.3	104.0	102.4	100.9
77.5°	153.2	154.9	155.7	155.9	155.7	154.9	153.2	151.1	148.5	145.7	143.5
75°	199.3	200.6	201.4	201.7	201.4	200.6	199.3	197.3	194.8	191.8	188.8
72.5°	245.3	246.3	248.3	249.8	248.3	246.3	245.3	243.6	241.2	237.9	233.5
70°	289.3	289.9	291.8	293.4	291.8	289.9	289.3	288.0	285.9	282.3	276.7
67.5°	327.6	328.7	328.6	327.7	328.6	328.7	327.6	325.9	323.7	320.0	314.5
65°	360.6	362.9	363.0	362.1	363.0	362.9	360.6	357.9	354.7	350.4	345.0
62.5°	384.8	388.0	389.3	389.6	389.3	388.0	384.8	381.3	377.5	373.4	368.8
60°	396.7	398.1	398.7	398.8	398.7	398.1	396.7	394.9	392.5	389.9	386.8
57.5°	405.5	405.5	405.6	405.7	405.6	405.5	405.5	405.0	404.0	402.6	400.7
55°	414.5	414.5	413.8	412.5	413.8	414.5	414.5	414.2	413.7	413.2	412.2
52.5°	422.5	421.8	420.7	419.4	420.7	421.8	422.5	422.9	422.8	422.5	422.0
50°	430.6	429.1	428.5	428.6	428.5	429.1	430.6	431.6	432.0	431.8	431.0
47.5°	443.4	442.4	442.0	442.3	442.0	442.4	443.4	443.8	443.8	443.3	441.8
45°	463.8	463.0	462.5	463.0	462.5	463.0	463.8	463.4	462.3	460.1	456.9
42.5°	503.1	503.5	503.2	504.2	503.2	503.5	503.1	500.3	495.1	487.5	480.4
40°	557.2	556.9	555.0	554.6	555.0	556.9	557.2	553.4	543.8	533.2	520.8
37.5°	616.3	616.3	614.4	614.2	614.4	616.3	616.3	611.0	598.1	582.2	564.5
35°	672.0	674.1	673.7	671.5	673.7	674.1	672.0	665.8	653.7	637.0	614.1
32.5°	755.7	768.5	775.3	772.4	775.3	768.5	755.7	739.1	715.7	692.4	669.8
30°	923.0	955.9	973.3	980.9	973.3	955.9	923.0	884.6	823.7	781.0	741.3
27.5°	1292.2	1365.0	1397.8	1409.5	1397.8	1365.0	1292.2	1189.0	1044.9	960.0	853.7
25°	2061.4	2225.9	2307.1	2333.2	2307.1	2225.9	2061.4	1803.9	1509.1	1314.9	1064.4
22.5°	3685.9	4002.8	4219.6	4267.6	4219.6	4002.8	3685.9	3074.9	2520.1	2021.3	1516.1
20°	6609.0	7221.9	7554.4	7524.4	7554.4	7221.9	6609.0	5555.7	4508.1	3260.0	2383.3
17.5°	10678.5	11464.4	11838.5	11663.7	11838.5	11464.4	10678.5	9252.3	7574.5	5562.6	3731.6
15°	15654.3	16716.1	17179.2	17322.5	17179.2	16716.1	15654.3	13916.7	11459.7	8705.0	5628.6
12.5°	21774.5	25255.2	26919.7	27365.7	26919.7	25255.2	21774.5	18670.6	15561.2	11697.9	7941.1
10°	30506.3	42206.3	49165.6	50864.9	49165.6	42206.3	30506.3	24756.8	19135.8	14440.3	9916.9
7.5°	49819.3	73594.8	100228.9	112841.2	100228.9	73594.8	49819.3	31873.5	23285.4	16875.5	11681.0
5°	75974.3	131859.5	193525.4	217699.5	193525.4	131859.5	75974.3	45919.8	28245.0	18976.6	13017.6
2.5°	107770.0	199097.6	284304.8	316068.3	284304.8	199097.6	107770.0	55650.3	31743.7	20255.0	13782.9
0°	121203.3	229537.4	313242.4	340451.1	313242.4	229537.4	121203.3	58769.8	32057.3	20687.0	14001.4
-2.5°	107770.0	199097.6	284304.8	316068.3	284304.8	199097.6	107770.0	55650.3	31743.7	20255.0	13782.9
-5°	75974.3	131859.5	193525.4	217699.5	193525.4	131859.5	75974.3	45919.8	28245.0	18976.6	13017.6
-7.5°	49819.3	73594.8	100228.9	112841.2	100228.9	73594.8	49819.3	31873.5	23285.4	16875.5	11681.0
-10°	30506.3	42206.3	49165.6	50864.9	49165.6	42206.3	30506.3	24756.8	19135.8	14440.3	9916.9
-12.5°	21774.5	25255.2	26919.7	27365.7	26919.7	25255.2	21774.5	18670.6	15561.2	11697.9	7941.1
-15°	15654.3	16716.1	17179.2	17322.5	17179.2	16716.1	15654.3	13916.7	11459.7	8705.0	5628.6
-17.5°	10678.5	11464.4	11838.5	11663.7	11838.5	11464.4	10678.5	9252.3	7574.5	5562.6	3731.6
-20°	6609.0	7221.9	7554.4	7524.4	7554.4	7221.9	6609.0	5555.7	4508.1	3260.0	2383.3



REPORT NUMBER: P559000 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	3685.9	4002.8	4219.6	4267.6	4219.6	4002.8	3685.9	3074.9	2520.1	2021.3	1516.1
-25°	2061.4	2225.9	2307.1	2333.2	2307.1	2225.9	2061.4	1803.9	1509.1	1314.9	1064.4
-27.5°	1292.2	1365.0	1397.8	1409.5	1397.8	1365.0	1292.2	1189.0	1044.9	960.0	853.7
-30°	923.0	955.9	973.3	980.9	973.3	955.9	923.0	884.6	823.7	781.0	741.3
-32.5°	755.7	768.5	775.3	772.4	775.3	768.5	755.7	739.1	715.7	692.4	669.8
-35°	672.0	674.1	673.7	671.5	673.7	674.1	672.0	665.8	653.7	637.0	614.1
-37.5°	616.3	616.3	614.4	614.2	614.4	616.3	616.3	611.0	598.1	582.2	564.5
-40°	557.2	556.9	555.0	554.6	555.0	556.9	557.2	553.4	543.8	533.2	520.8
-42.5°	503.1	503.5	503.2	504.2	503.2	503.5	503.1	500.3	495.1	487.5	480.4
-45°	463.8	463.0	462.5	463.0	462.5	463.0	463.8	463.4	462.3	460.1	456.9
-47.5°	443.4	442.4	442.0	442.3	442.0	442.4	443.4	443.8	443.8	443.3	441.8
-50°	430.6	429.1	428.5	428.6	428.5	429.1	430.6	431.6	432.0	431.8	431.0
-52.5°	422.5	421.8	420.7	419.4	420.7	421.8	422.5	422.9	422.8	422.5	422.0
-55°	414.5	414.5	413.8	412.5	413.8	414.5	414.5	414.2	413.7	413.2	412.2
-57.5°	405.5	405.5	405.6	405.7	405.6	405.5	405.5	405.0	404.0	402.6	400.7
-60°	396.7	398.1	398.7	398.8	398.7	398.1	396.7	394.9	392.5	389.9	386.8
-62.5°	384.8	388.0	389.3	389.6	389.3	388.0	384.8	381.3	377.5	373.4	368.8
-65°	360.6	362.9	363.0	362.1	363.0	362.9	360.6	357.9	354.7	350.4	345.0
-67.5°	327.6	328.7	328.6	327.7	328.6	328.7	327.6	325.9	323.7	320.0	314.5
-70°	289.3	289.9	291.8	293.4	291.8	289.9	289.3	288.0	285.9	282.3	276.7
-72.5°	245.3	246.3	248.3	249.8	248.3	246.3	245.3	243.6	241.2	237.9	233.5
-75°	199.3	200.6	201.4	201.7	201.4	200.6	199.3	197.3	194.8	191.8	188.8
-77.5°	153.2	154.9	155.7	155.9	155.7	154.9	153.2	151.1	148.5	145.7	143.5
-80°	106.4	107.1	107.6	107.7	107.6	107.1	106.4	105.3	104.0	102.4	100.9
-82.5°	68.0	68.5	68.7	68.8	68.7	68.5	68.0	67.4	66.7	65.7	64.6
-85°	38.6	38.8	39.0	39.0	39.0	38.8	38.6	38.2	37.8	37.3	36.7
-87.5°	13.7	13.7	13.8	13.8	13.8	13.7	13.7	13.6	13.5	13.3	13.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559000 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	13.0	12.7	12.5	12.7	12.9	13.0	13.1	12.7	12.3	11.8	11.3
85°	36.0	35.2	34.3	33.0	31.7	30.4	29.2	27.8	26.4	25.0	23.6
82.5°	63.4	62.0	60.4	58.4	56.3	53.9	51.3	48.4	45.3	42.0	38.5
80°	99.1	97.0	94.4	91.2	87.7	84.0	80.0	75.9	71.3	66.8	62.8
77.5°	140.8	137.7	134.2	129.9	125.1	119.9	114.4	109.5	104.6	99.1	92.7
75°	185.2	181.2	176.6	171.5	165.9	159.8	153.1	146.0	138.8	131.6	123.9
72.5°	228.7	223.6	218.4	213.0	207.1	200.1	192.0	183.2	173.9	164.1	154.2
70°	270.6	263.9	257.4	251.1	244.3	236.8	228.6	219.5	209.7	198.7	186.4
67.5°	308.5	301.8	295.0	287.5	279.1	270.5	262.1	253.5	243.3	231.7	218.1
65°	339.3	333.2	327.4	319.5	310.9	301.7	292.5	282.6	272.3	261.6	248.7
62.5°	363.5	357.6	351.8	345.0	337.7	329.9	320.8	309.9	298.7	287.2	273.9
60°	382.8	378.2	372.4	366.1	359.3	351.7	342.4	333.0	323.6	310.9	297.6
57.5°	398.2	394.3	388.7	383.1	377.5	369.9	361.0	351.8	341.5	331.3	319.7
55°	410.6	407.0	402.2	396.7	390.5	384.1	377.0	368.2	358.2	348.6	337.0
52.5°	421.1	417.6	413.5	409.2	403.4	396.8	389.8	381.7	373.5	363.7	352.9
50°	429.6	426.6	422.9	418.5	413.6	408.4	401.6	393.9	386.4	377.4	367.0
47.5°	439.8	436.5	432.2	427.7	422.6	416.9	411.1	405.4	398.0	390.0	379.7
45°	453.7	449.0	443.5	438.3	432.3	426.2	419.3	414.0	408.3	400.4	391.8
42.5°	473.6	465.8	458.6	451.0	442.8	436.1	429.3	422.9	416.8	410.0	401.1
40°	504.4	488.1	478.0	467.0	457.1	446.6	439.3	431.7	425.1	418.3	409.6
37.5°	544.2	523.5	504.8	486.7	474.0	461.5	450.7	441.6	432.6	425.5	416.9
35°	587.1	562.4	539.3	516.3	493.7	478.4	463.9	452.4	442.0	432.2	423.7
32.5°	639.7	609.9	579.9	551.6	522.7	498.2	479.9	463.9	451.0	439.9	430.1
30°	699.6	662.1	626.3	591.0	555.8	524.1	497.8	477.5	460.7	447.3	436.6
27.5°	782.1	716.7	674.0	631.5	589.9	552.6	520.5	492.1	470.9	455.4	442.8
25°	923.0	803.4	727.0	675.0	626.8	582.4	544.7	511.4	483.8	463.2	447.4
22.5°	1153.1	948.5	804.4	720.7	665.2	616.1	571.8	531.7	495.5	470.7	452.8
20°	1598.4	1155.4	927.4	785.1	701.4	647.5	598.5	553.0	511.2	478.8	457.5
17.5°	2387.1	1528.9	1070.4	857.5	744.2	675.9	623.9	572.7	525.8	485.5	461.3
15°	3340.4	2044.6	1330.4	970.7	791.2	699.3	646.1	590.4	539.9	494.5	466.3
12.5°	4691.9	2613.3	1556.2	1062.1	842.2	727.9	664.9	608.0	553.1	504.0	470.5
10°	5818.5	3290.2	1915.0	1231.2	910.3	758.2	678.5	618.5	560.5	510.8	473.3
7.5°	7231.5	4043.9	2234.9	1356.8	961.9	780.0	686.8	624.2	564.5	515.0	474.7
5°	8123.7	4542.1	2448.7	1451.3	1000.2	794.7	692.7	626.3	565.3	516.7	474.9
2.5°	8751.6	4798.3	2546.1	1503.1	1022.0	801.2	695.6	627.8	568.0	518.3	477.4
0°	8856.0	4994.1	2560.1	1515.0	1024.5	797.6	694.5	628.0	570.7	518.0	479.0
-2.5°	8751.6	4798.3	2546.1	1503.1	1022.0	801.2	695.6	627.8	568.0	518.3	477.4
-5°	8123.7	4542.1	2448.7	1451.3	1000.2	794.7	692.7	626.3	565.3	516.7	474.9
-7.5°	7231.5	4043.9	2234.9	1356.8	961.9	780.0	686.8	624.2	564.5	515.0	474.7
-10°	5818.5	3290.2	1915.0	1231.2	910.3	758.2	678.5	618.5	560.5	510.8	473.3
-12.5°	4691.9	2613.3	1556.2	1062.1	842.2	727.9	664.9	608.0	553.1	504.0	470.5
-15°	3340.4	2044.6	1330.4	970.7	791.2	699.3	646.1	590.4	539.9	494.5	466.3
-17.5°	2387.1	1528.9	1070.4	857.5	744.2	675.9	623.9	572.7	525.8	485.5	461.3
-20°	1598.4	1155.4	927.4	785.1	701.4	647.5	598.5	553.0	511.2	478.8	457.5





REPORT NUMBER: P559000 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-940-U-TS-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1153.1	948.5	804.4	720.7	665.2	616.1	571.8	531.7	495.5	470.7	452.8
-25°	923.0	803.4	727.0	675.0	626.8	582.4	544.7	511.4	483.8	463.2	447.4
-27.5°	782.1	716.7	674.0	631.5	589.9	552.6	520.5	492.1	470.9	455.4	442.8
-30°	699.6	662.1	626.3	591.0	555.8	524.1	497.8	477.5	460.7	447.3	436.6
-32.5°	639.7	609.9	579.9	551.6	522.7	498.2	479.9	463.9	451.0	439.9	430.1
-35°	587.1	562.4	539.3	516.3	493.7	478.4	463.9	452.4	442.0	432.2	423.7
-37.5°	544.2	523.5	504.8	486.7	474.0	461.5	450.7	441.6	432.6	425.5	416.9
-40°	504.4	488.1	478.0	467.0	457.1	446.6	439.3	431.7	425.1	418.3	409.6
-42.5°	473.6	465.8	458.6	451.0	442.8	436.1	429.3	422.9	416.8	410.0	401.1
-45°	453.7	449.0	443.5	438.3	432.3	426.2	419.3	414.0	408.3	400.4	391.8
-47.5°	439.8	436.5	432.2	427.7	422.6	416.9	411.1	405.4	398.0	390.0	379.7
-50°	429.6	426.6	422.9	418.5	413.6	408.4	401.6	393.9	386.4	377.4	367.0
-52.5°	421.1	417.6	413.5	409.2	403.4	396.8	389.8	381.7	373.5	363.7	352.9
-55°	410.6	407.0	402.2	396.7	390.5	384.1	377.0	368.2	358.2	348.6	337.0
-57.5°	398.2	394.3	388.7	383.1	377.5	369.9	361.0	351.8	341.5	331.3	319.7
-60°	382.8	378.2	372.4	366.1	359.3	351.7	342.4	333.0	323.6	310.9	297.6
-62.5°	363.5	357.6	351.8	345.0	337.7	329.9	320.8	309.9	298.7	287.2	273.9
-65°	339.3	333.2	327.4	319.5	310.9	301.7	292.5	282.6	272.3	261.6	248.7
-67.5°	308.5	301.8	295.0	287.5	279.1	270.5	262.1	253.5	243.3	231.7	218.1
-70°	270.6	263.9	257.4	251.1	244.3	236.8	228.6	219.5	209.7	198.7	186.4
-72.5°	228.7	223.6	218.4	213.0	207.1	200.1	192.0	183.2	173.9	164.1	154.2
-75°	185.2	181.2	176.6	171.5	165.9	159.8	153.1	146.0	138.8	131.6	123.9
-77.5°	140.8	137.7	134.2	129.9	125.1	119.9	114.4	109.5	104.6	99.1	92.7
-80°	99.1	97.0	94.4	91.2	87.7	84.0	80.0	75.9	71.3	66.8	62.8
-82.5°	63.4	62.0	60.4	58.4	56.3	53.9	51.3	48.4	45.3	42.0	38.5
-85°	36.0	35.2	34.3	33.0	31.7	30.4	29.2	27.8	26.4	25.0	23.6
-87.5°	13.0	12.7	12.5	12.7	12.9	13.0	13.1	12.7	12.3	11.8	11.3
-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: P559000 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	10.8	10.3	9.7	9.2	8.6	8.0	7.4	6.8	6.1	5.5	4.8
85°	22.7	21.6	20.4	19.0	17.6	16.0	14.8	13.5	12.2	10.9	9.6
82.5°	35.8	34.1	32.6	30.9	29.4	27.5	25.3	22.7	19.6	16.6	14.4
80°	59.0	55.0	50.9	46.7	42.6	39.0	36.4	33.2	28.9	24.7	20.6
77.5°	85.6	78.7	71.9	65.9	59.8	54.1	48.9	43.9	38.2	32.8	27.6
75°	115.0	105.9	97.0	88.0	78.5	69.0	61.9	55.3	48.3	40.9	34.4
72.5°	144.3	133.7	122.6	110.9	99.9	88.6	77.1	66.6	58.7	50.4	41.6
70°	174.0	161.7	149.3	135.8	121.9	108.3	95.2	82.0	69.1	59.8	50.0
67.5°	203.8	189.3	175.1	160.3	144.7	129.0	113.3	98.0	83.3	69.1	58.3
65°	233.0	216.7	200.1	183.9	167.0	149.5	131.9	114.1	97.1	81.2	66.4
62.5°	259.7	244.0	225.8	207.5	189.0	169.9	150.2	130.7	110.9	92.9	75.9
60°	283.4	267.3	250.7	231.4	211.0	190.3	168.8	147.0	125.6	104.2	85.7
57.5°	304.8	289.4	272.2	253.7	232.7	210.3	187.2	163.4	139.9	116.6	95.1
55°	324.6	309.0	292.5	273.8	253.1	230.0	205.1	179.7	154.0	129.0	104.4
52.5°	340.6	326.9	310.6	292.5	271.7	248.8	222.8	195.6	168.3	141.1	114.9
50°	355.2	342.2	327.0	309.0	289.3	265.5	240.1	211.3	182.1	152.9	125.2
47.5°	368.4	355.9	341.4	324.4	304.2	281.8	255.5	226.6	195.4	164.8	135.1
45°	380.1	368.0	354.4	337.7	318.5	295.7	269.8	241.5	208.8	176.3	144.6
42.5°	390.9	378.7	365.4	350.8	330.9	308.7	283.6	254.3	221.7	187.3	154.0
40°	399.4	388.1	375.5	360.5	342.4	321.2	295.3	266.2	234.1	198.0	163.2
37.5°	407.4	396.2	383.7	369.6	352.8	331.3	306.3	277.6	245.4	208.4	171.9
35°	414.0	403.3	391.0	377.3	360.9	340.9	316.9	287.9	254.9	218.1	180.2
32.5°	420.2	409.6	397.0	383.5	368.5	350.0	325.9	296.7	263.7	227.3	187.9
30°	426.0	414.5	402.7	389.1	375.1	356.7	333.5	304.9	272.0	235.7	195.2
27.5°	430.8	418.7	407.6	394.0	379.9	362.9	340.5	312.5	279.7	243.1	202.0
25°	435.1	422.7	411.1	398.5	384.1	368.5	346.9	319.4	286.2	249.3	208.2
22.5°	439.0	426.3	414.1	402.5	387.8	373.7	352.2	324.6	291.8	254.9	213.9
20°	442.5	429.5	416.5	405.5	391.0	376.8	356.4	329.4	296.8	259.9	218.9
17.5°	445.5	432.2	418.9	407.3	393.6	379.4	360.3	333.6	301.2	264.3	223.2
15°	448.3	434.3	421.0	408.7	395.8	381.6	363.7	337.3	305.0	268.1	227.0
12.5°	450.6	435.7	422.6	409.9	397.4	383.4	366.6	340.5	308.1	271.2	230.1
10°	452.4	436.5	423.8	410.6	398.6	384.7	369.0	343.0	310.6	273.7	232.6
7.5°	453.7	436.7	424.6	411.0	399.4	385.7	370.5	344.8	312.4	275.6	234.4
5°	454.8	437.3	425.4	411.8	400.3	386.6	371.4	345.9	313.6	276.8	235.6
2.5°	457.0	438.9	426.1	412.3	400.9	387.1	371.6	346.3	314.1	277.4	236.2
0°	458.4	440.1	426.3	412.5	401.1	387.3	371.3	346.1	314.0	277.3	236.1
-2.5°	457.0	438.9	426.1	412.3	400.9	387.1	371.6	346.3	314.1	277.4	236.2
-5°	454.8	437.3	425.4	411.8	400.3	386.6	371.4	345.9	313.6	276.8	235.6
-7.5°	453.7	436.7	424.6	411.0	399.4	385.7	370.5	344.8	312.4	275.6	234.4
-10°	452.4	436.5	423.8	410.6	398.6	384.7	369.0	343.0	310.6	273.7	232.6
-12.5°	450.6	435.7	422.6	409.9	397.4	383.4	366.6	340.5	308.1	271.2	230.1
-15°	448.3	434.3	421.0	408.7	395.8	381.6	363.7	337.3	305.0	268.1	227.0
-17.5°	445.5	432.2	418.9	407.3	393.6	379.4	360.3	333.6	301.2	264.3	223.2
-20°	442.5	429.5	416.5	405.5	391.0	376.8	356.4	329.4	296.8	259.9	218.9



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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°	439.0	426.3	414.1	402.5	387.8	373.7	352.2	324.6	291.8	254.9	213.9
-25°	435.1	422.7	411.1	398.5	384.1	368.5	346.9	319.4	286.2	249.3	208.2
-27.5°	430.8	418.7	407.6	394.0	379.9	362.9	340.5	312.5	279.7	243.1	202.0
-30°	426.0	414.5	402.7	389.1	375.1	356.7	333.5	304.9	272.0	235.7	195.2
-32.5°	420.2	409.6	397.0	383.5	368.5	350.0	325.9	296.7	263.7	227.3	187.9
-35°	414.0	403.3	391.0	377.3	360.9	340.9	316.9	287.9	254.9	218.1	180.2
-37.5°	407.4	396.2	383.7	369.6	352.8	331.3	306.3	277.6	245.4	208.4	171.9
-40°	399.4	388.1	375.5	360.5	342.4	321.2	295.3	266.2	234.1	198.0	163.2
-42.5°	390.9	378.7	365.4	350.8	330.9	308.7	283.6	254.3	221.7	187.3	154.0
-45°	380.1	368.0	354.4	337.7	318.5	295.7	269.8	241.5	208.8	176.3	144.6
-47.5°	368.4	355.9	341.4	324.4	304.2	281.8	255.5	226.6	195.4	164.8	135.1
-50°	355.2	342.2	327.0	309.0	289.3	265.5	240.1	211.3	182.1	152.9	125.2
-52.5°	340.6	326.9	310.6	292.5	271.7	248.8	222.8	195.6	168.3	141.1	114.9
-55°	324.6	309.0	292.5	273.8	253.1	230.0	205.1	179.7	154.0	129.0	104.4
-57.5°	304.8	289.4	272.2	253.7	232.7	210.3	187.2	163.4	139.9	116.6	95.1
-60°	283.4	267.3	250.7	231.4	211.0	190.3	168.8	147.0	125.6	104.2	85.7
-62.5°	259.7	244.0	225.8	207.5	189.0	169.9	150.2	130.7	110.9	92.9	75.9
-65°	233.0	216.7	200.1	183.9	167.0	149.5	131.9	114.1	97.1	81.2	66.4
-67.5°	203.8	189.3	175.1	160.3	144.7	129.0	113.3	98.0	83.3	69.1	58.3
-70°	174.0	161.7	149.3	135.8	121.9	108.3	95.2	82.0	69.1	59.8	50.0
-72.5°	144.3	133.7	122.6	110.9	99.9	88.6	77.1	66.6	58.7	50.4	41.6
-75°	115.0	105.9	97.0	88.0	78.5	69.0	61.9	55.3	48.3	40.9	34.4
-77.5°	85.6	78.7	71.9	65.9	59.8	54.1	48.9	43.9	38.2	32.8	27.6
-80°	59.0	55.0	50.9	46.7	42.6	39.0	36.4	33.2	28.9	24.7	20.6
-82.5°	35.8	34.1	32.6	30.9	29.4	27.5	25.3	22.7	19.6	16.6	14.4
-85°	22.7	21.6	20.4	19.0	17.6	16.0	14.8	13.5	12.2	10.9	9.6
-87.5°	10.8	10.3	9.7	9.2	8.6	8.0	7.4	6.8	6.1	5.5	4.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.1	3.6	3.0	2.3	1.6	0.8	0.0
85°	8.3	7.2	6.0	4.6	3.2	1.6	0.0
82.5°	12.4	10.7	8.9	6.9	4.8	2.4	0.0
80°	16.7	14.3	11.9	9.2	6.3	3.2	0.0
77.5°	22.6	18.3	14.8	11.5	7.9	4.0	0.0
75°	28.4	23.2	17.9	13.8	9.5	4.7	0.0
72.5°	34.2	28.0	21.8	16.0	11.0	5.5	0.0
70°	40.1	32.8	25.6	18.4	12.5	6.3	0.0
67.5°	47.3	37.5	29.4	21.2	14.0	7.0	0.0
65°	54.4	42.7	33.1	24.0	15.5	7.7	0.0
62.5°	61.3	48.4	36.7	26.7	16.9	8.4	0.0
60°	68.0	53.9	40.3	29.4	18.3	9.1	0.0
57.5°	76.0	59.3	44.5	32.0	20.0	9.8	0.0
55°	84.0	64.6	48.6	34.5	21.7	10.5	0.0
52.5°	91.7	69.8	52.7	37.0	23.3	11.1	0.0
50°	99.2	76.1	56.5	39.4	24.8	11.8	0.0
47.5°	106.6	82.1	60.2	41.8	26.4	12.4	0.0
45°	114.7	87.9	63.8	44.5	27.8	12.9	0.0
42.5°	122.4	93.4	67.2	47.0	29.2	13.5	0.0
40°	129.7	98.7	70.9	49.4	30.5	14.0	0.0
37.5°	136.7	103.8	74.9	51.6	31.8	14.5	0.0
35°	143.2	109.0	78.7	53.7	33.0	15.0	0.0
32.5°	149.4	114.0	82.3	55.6	34.1	15.4	0.0
30°	155.6	118.8	85.6	57.4	35.1	15.8	0.0
27.5°	161.3	123.1	88.6	59.0	36.1	16.2	0.0
25°	166.6	127.1	91.4	60.4	37.0	16.6	0.0
22.5°	171.3	130.8	94.0	61.7	37.8	16.9	0.0
20°	175.6	134.1	96.3	62.9	38.5	17.2	0.0
17.5°	179.5	137.0	98.4	63.9	39.2	17.5	0.0
15°	182.9	139.6	100.2	64.7	39.7	17.7	0.0
12.5°	185.8	141.7	101.8	65.4	40.2	17.9	0.0
10°	188.2	143.5	103.1	65.9	40.6	18.0	0.0
7.5°	190.1	144.9	104.1	66.3	40.9	18.1	0.0
5°	191.4	145.9	104.8	66.5	41.1	18.2	0.0
2.5°	192.2	146.5	105.3	66.6	41.3	18.3	0.0
0°	192.5	146.7	105.4	66.5	41.3	18.3	0.0
-2.5°	192.2	146.5	105.3	66.6	41.3	18.3	0.0
-5°	191.4	145.9	104.8	66.5	41.1	18.2	0.0
-7.5°	190.1	144.9	104.1	66.3	40.9	18.1	0.0
-10°	188.2	143.5	103.1	65.9	40.6	18.0	0.0
-12.5°	185.8	141.7	101.8	65.4	40.2	17.9	0.0
-15°	182.9	139.6	100.2	64.7	39.7	17.7	0.0
-17.5°	179.5	137.0	98.4	63.9	39.2	17.5	0.0
-20°	175.6	134.1	96.3	62.9	38.5	17.2	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	171.3	130.8	94.0	61.7	37.8	16.9	0.0
-25°	166.6	127.1	91.4	60.4	37.0	16.6	0.0
-27.5°	161.3	123.1	88.6	59.0	36.1	16.2	0.0
-30°	155.6	118.8	85.6	57.4	35.1	15.8	0.0
-32.5°	149.4	114.0	82.3	55.6	34.1	15.4	0.0
-35°	143.2	109.0	78.7	53.7	33.0	15.0	0.0
-37.5°	136.7	103.8	74.9	51.6	31.8	14.5	0.0
-40°	129.7	98.7	70.9	49.4	30.5	14.0	0.0
-42.5°	122.4	93.4	67.2	47.0	29.2	13.5	0.0
-45°	114.7	87.9	63.8	44.5	27.8	12.9	0.0
-47.5°	106.6	82.1	60.2	41.8	26.4	12.4	0.0
-50°	99.2	76.1	56.5	39.4	24.8	11.8	0.0
-52.5°	91.7	69.8	52.7	37.0	23.3	11.1	0.0
-55°	84.0	64.6	48.6	34.5	21.7	10.5	0.0
-57.5°	76.0	59.3	44.5	32.0	20.0	9.8	0.0
-60°	68.0	53.9	40.3	29.4	18.3	9.1	0.0
-62.5°	61.3	48.4	36.7	26.7	16.9	8.4	0.0
-65°	54.4	42.7	33.1	24.0	15.5	7.7	0.0
-67.5°	47.3	37.5	29.4	21.2	14.0	7.0	0.0
-70°	40.1	32.8	25.6	18.4	12.5	6.3	0.0
-72.5°	34.2	28.0	21.8	16.0	11.0	5.5	0.0
-75°	28.4	23.2	17.9	13.8	9.5	4.7	0.0
-77.5°	22.6	18.3	14.8	11.5	7.9	4.0	0.0
-80°	16.7	14.3	11.9	9.2	6.3	3.2	0.0
-82.5°	12.4	10.7	8.9	6.9	4.8	2.4	0.0
-85°	8.3	7.2	6.0	4.6	3.2	1.6	0.0
-87.5°	4.1	3.6	3.0	2.3	1.6	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)