

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: P558997 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P558997 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-5)  
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-MWR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N5  
Light Source: (64) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

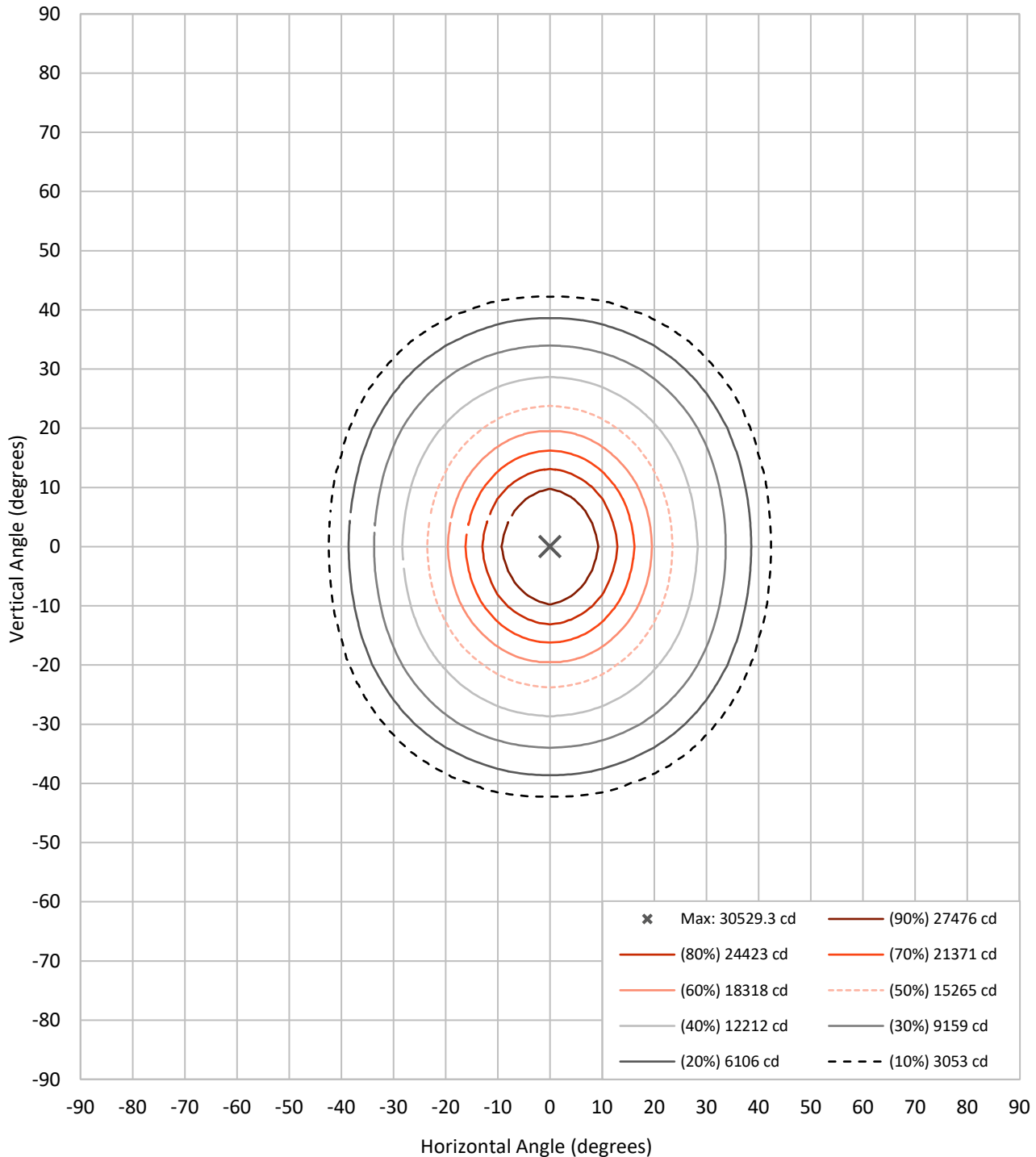
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	23765.4 lumens	Max Intensity:	30529.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	95.1 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	47°H x 47.6°V	Field Angle (10%):	84.6°H x 84.3°V
Beam Lumens:	11214.1 lumens	Field Lumens:	21578.9 lumens
Beam Efficiency:	47.2%	Field Efficiency:	90.8%

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





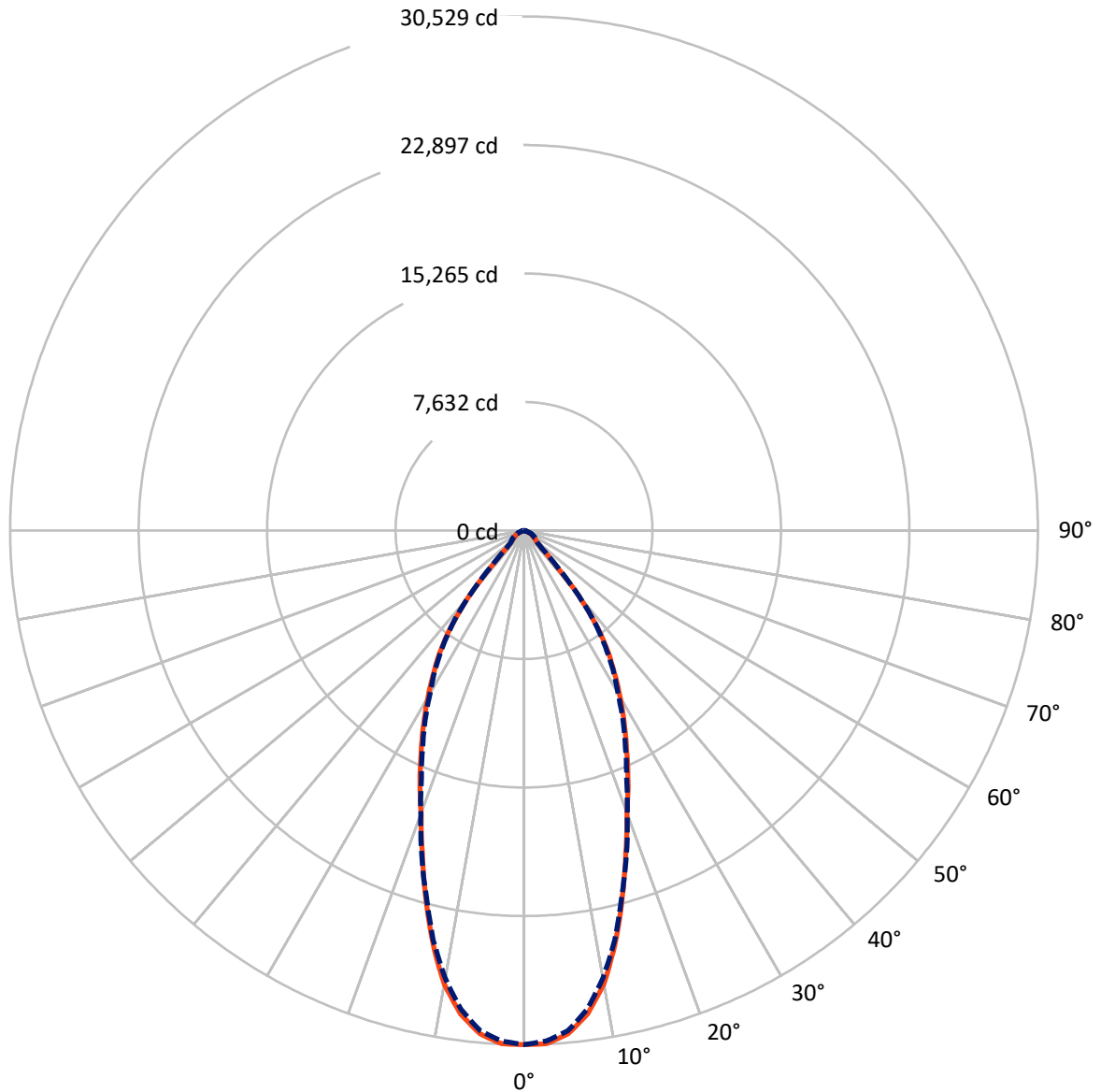
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### Lumen Table

90																
80	0.4	2.9		6.5		10.7		8.3		10.7		6.5		2.9		0.4
70																
60	1.7	1.9	3.5	5.4	7.6	9.5	10.9	11.8	11.8	10.9	9.5	7.6	5.4	3.5	1.9	1.7
50		2.9	5.7	9.5	13.7	17.1	19.5	21.5	21.5	19.5	17.1	13.7	9.5	5.7	2.9	
40	2.5	3.8	7.9	13.4	19.5	26.7	42.2	59.1	59.1	42.2	26.7	19.5	13.4	7.9	3.8	2.5
30		4.6	9.9	16.7	31.3	100.2	195.0	248.5	248.5	195.0	100.2	31.3	16.7	9.9	4.6	
20	2.8	5.4	11.6	20.9	91.6	239.3	353.1	427.5	427.5	353.1	239.3	91.6	20.9	11.6	5.4	2.8
10		6.0	12.9	32.0	166.5	330.2	501.7	653.1	653.1	501.7	330.2	166.5	32.0	12.9	6.0	
0	2.9	6.4	14.0	44.2	202.9	385.3	631.1	853.6	853.6	631.1	385.3	202.9	44.2	14.0	6.4	2.9
-10		6.4	14.0	44.2	202.9	385.3	631.1	853.6	853.6	631.1	385.3	202.9	44.2	14.0	6.4	
-20	2.8	6.0	12.9	32.0	166.5	330.2	501.7	653.1	653.1	501.7	330.2	166.5	32.0	12.9	6.0	2.8
-30		5.4	11.6	20.9	91.6	239.3	353.1	427.5	427.5	353.1	239.3	91.6	20.9	11.6	5.4	
-40	2.5	4.6	9.9	16.7	31.3	100.2	195.0	248.5	248.5	195.0	100.2	31.3	16.7	9.9	4.6	2.5
-50		3.8	7.9	13.4	19.5	26.7	42.2	59.1	59.1	42.2	26.7	19.5	13.4	7.9	3.8	
-60	1.7	2.9	5.7	9.5	13.7	17.1	19.5	21.5	21.5	19.5	17.1	13.7	9.5	5.7	2.9	1.7
-70		1.9	3.5	5.4	7.6	9.5	10.9	11.8	11.8	10.9	9.5	7.6	5.4	3.5	1.9	
-80																
-90	0.4	2.9		6.5		10.7		8.3		10.7		6.5		2.9		0.4

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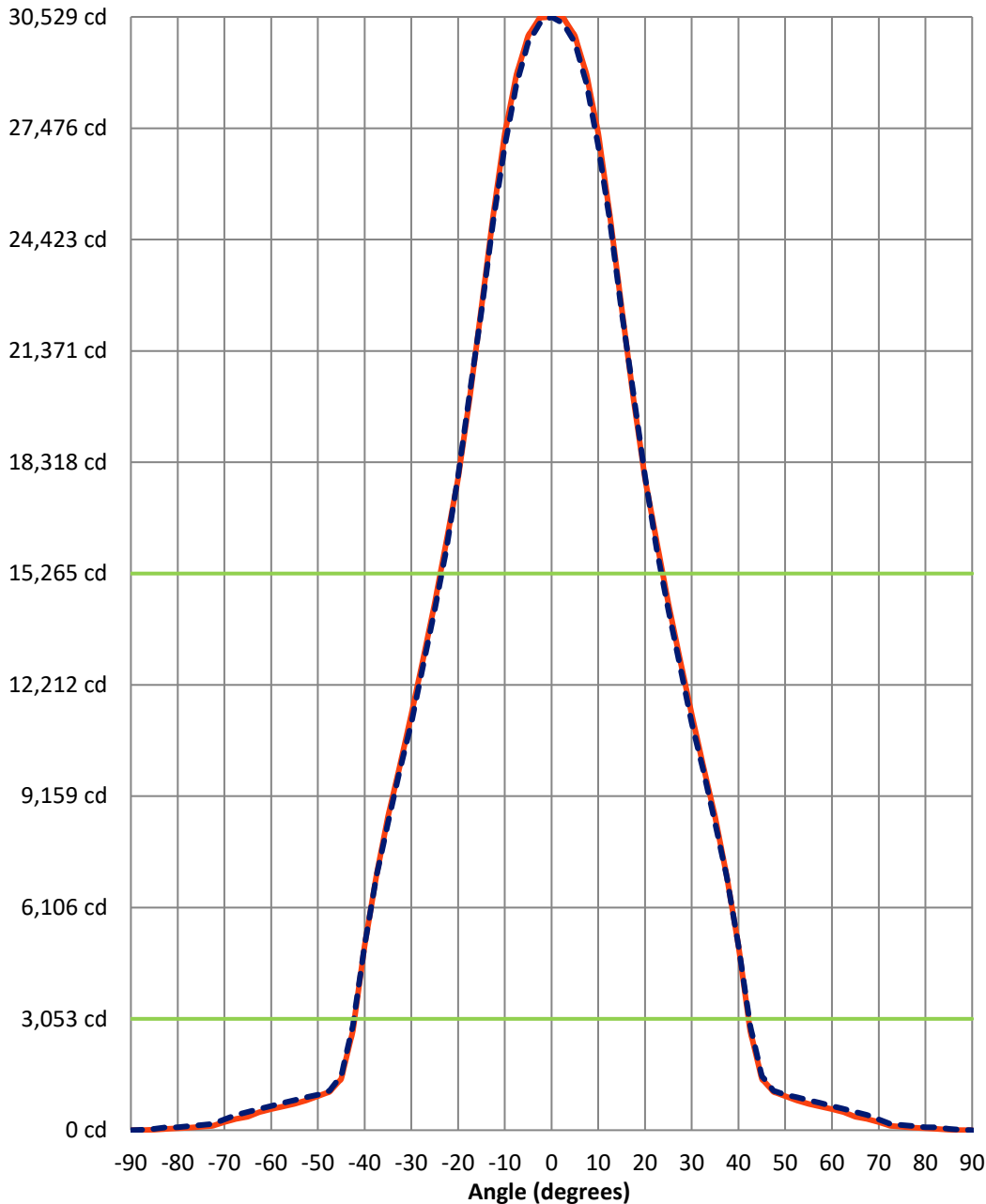
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 47°  
V Angle: 47.6°  
Lumens: 11214.1  
Efficiency: 47.2%

**Field:**  
H Angle: 84.6°  
V Angle: 84.3°  
Lumens: 21578.9  
Efficiency: 90.8%

**Spill:**  
Lumens: 2186.5  
Efficiency: 9.2%

— 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	1.0	1.6	2.4	3.2	4.1	4.6	5.1	5.5	5.8
85°	0.0	1.0	2.0	3.3	4.8	6.4	8.3	9.3	10.2	11.0	11.7
82.5°	0.0	1.5	3.0	4.9	7.1	9.6	12.3	13.9	15.7	18.8	21.2
80°	0.0	2.0	4.0	6.5	9.5	12.7	17.1	22.7	27.1	30.5	32.9
77.5°	0.0	2.5	5.0	8.1	11.8	17.4	26.8	33.6	38.6	42.3	45.7
75°	0.0	3.0	5.9	9.7	14.6	24.8	36.4	44.5	50.4	56.7	61.5
72.5°	0.0	3.5	6.9	11.2	20.0	32.1	45.7	56.1	65.0	72.1	77.5
70°	0.0	3.9	7.9	13.1	25.3	39.2	55.1	69.7	79.7	87.7	100.4
67.5°	0.0	4.4	8.8	16.7	30.4	46.0	65.9	83.3	94.5	107.5	124.1
65°	0.0	4.9	9.7	20.1	35.3	53.4	76.4	97.0	110.0	126.5	146.4
62.5°	0.0	5.3	10.6	23.5	40.1	61.1	86.3	109.3	124.8	144.7	167.1
60°	0.0	5.7	11.5	26.7	44.6	68.5	95.7	120.6	138.8	163.2	187.5
57.5°	0.0	6.2	13.5	29.8	49.9	75.5	102.2	130.6	154.5	181.4	205.2
55°	0.0	6.6	15.5	32.7	54.8	82.1	107.6	137.9	170.4	198.6	221.6
52.5°	0.0	7.0	17.4	35.5	59.5	87.7	112.3	147.8	186.0	213.2	237.7
50°	0.0	7.4	19.2	38.1	63.8	90.5	116.2	157.0	200.5	227.4	255.5
47.5°	0.0	7.8	20.9	40.6	67.8	92.8	119.7	165.1	212.9	241.3	272.9
45°	0.0	8.1	22.6	43.4	71.5	94.4	125.5	172.1	219.2	256.3	289.6
42.5°	0.0	8.5	24.2	45.9	74.8	95.6	130.4	177.0	224.1	270.6	306.7
40°	0.0	8.8	25.7	48.5	76.6	96.1	134.5	180.2	228.4	283.4	323.2
37.5°	0.0	9.1	27.1	51.2	76.8	96.1	137.6	182.5	233.1	289.6	339.0
35°	0.0	9.4	28.4	53.9	76.7	97.3	139.8	183.8	237.0	298.8	354.2
32.5°	0.0	9.7	29.6	56.4	76.2	98.8	140.9	184.1	240.2	310.1	368.1
30°	0.0	10.0	30.8	58.9	75.5	99.7	140.8	184.1	242.6	323.2	381.7
27.5°	0.0	10.2	31.8	61.3	76.3	100.0	139.9	185.3	247.3	337.9	395.0
25°	0.0	10.4	32.8	63.6	77.1	99.7	138.4	185.8	257.3	350.3	408.2
22.5°	0.0	10.6	33.6	65.7	77.9	99.9	136.2	185.5	267.6	360.4	424.3
20°	0.0	10.8	34.3	67.8	78.5	102.5	133.3	184.6	278.2	369.9	438.9
17.5°	0.0	11.0	35.0	69.6	79.0	104.8	133.5	182.8	288.6	378.7	452.0
15°	0.0	11.1	35.5	71.4	79.4	106.7	135.5	182.3	298.6	386.7	463.5
12.5°	0.0	11.2	36.0	72.9	79.7	108.4	137.1	183.0	305.5	393.8	473.3
10°	0.0	11.3	36.3	74.3	79.9	109.8	138.3	182.6	308.4	399.7	481.7
7.5°	0.0	11.4	36.6	75.5	80.1	110.9	139.2	181.1	308.7	405.4	488.8
5°	0.0	11.5	36.7	76.5	80.1	111.7	139.8	178.8	306.6	410.6	494.2
2.5°	0.0	11.5	36.8	77.3	80.2	112.1	139.9	175.6	302.2	414.7	497.8
0°	0.0	11.5	36.7	77.9	80.2	112.3	139.8	171.9	295.7	417.1	499.7
-2.5°	0.0	11.5	36.8	77.3	80.2	112.1	139.9	175.6	302.2	414.7	497.8
-5°	0.0	11.5	36.7	76.5	80.1	111.7	139.8	178.8	306.6	410.6	494.2
-7.5°	0.0	11.4	36.6	75.5	80.1	110.9	139.2	181.1	308.7	405.4	488.8
-10°	0.0	11.3	36.3	74.3	79.9	109.8	138.3	182.6	308.4	399.7	481.7
-12.5°	0.0	11.2	36.0	72.9	79.7	108.4	137.1	183.0	305.5	393.8	473.3
-15°	0.0	11.1	35.5	71.4	79.4	106.7	135.5	182.3	298.6	386.7	463.5
-17.5°	0.0	11.0	35.0	69.6	79.0	104.8	133.5	182.8	288.6	378.7	452.0
-20°	0.0	10.8	34.3	67.8	78.5	102.5	133.3	184.6	278.2	369.9	438.9



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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	10.6	33.6	65.7	77.9	99.9	136.2	185.5	267.6	360.4	424.3
-25°	0.0	10.4	32.8	63.6	77.1	99.7	138.4	185.8	257.3	350.3	408.2
-27.5°	0.0	10.2	31.8	61.3	76.3	100.0	139.9	185.3	247.3	337.9	395.0
-30°	0.0	10.0	30.8	58.9	75.5	99.7	140.8	184.1	242.6	323.2	381.7
-32.5°	0.0	9.7	29.6	56.4	76.2	98.8	140.9	184.1	240.2	310.1	368.1
-35°	0.0	9.4	28.4	53.9	76.7	97.3	139.8	183.8	237.0	298.8	354.2
-37.5°	0.0	9.1	27.1	51.2	76.8	96.1	137.6	182.5	233.1	289.6	339.0
-40°	0.0	8.8	25.7	48.5	76.6	96.1	134.5	180.2	228.4	283.4	323.2
-42.5°	0.0	8.5	24.2	45.9	74.8	95.6	130.4	177.0	224.1	270.6	306.7
-45°	0.0	8.1	22.6	43.4	71.5	94.4	125.5	172.1	219.2	256.3	289.6
-47.5°	0.0	7.8	20.9	40.6	67.8	92.8	119.7	165.1	212.9	241.3	272.9
-50°	0.0	7.4	19.2	38.1	63.8	90.5	116.2	157.0	200.5	227.4	255.5
-52.5°	0.0	7.0	17.4	35.5	59.5	87.7	112.3	147.8	186.0	213.2	237.7
-55°	0.0	6.6	15.5	32.7	54.8	82.1	107.6	137.9	170.4	198.6	221.6
-57.5°	0.0	6.2	13.5	29.8	49.9	75.5	102.2	130.6	154.5	181.4	205.2
-60°	0.0	5.7	11.5	26.7	44.6	68.5	95.7	120.6	138.8	163.2	187.5
-62.5°	0.0	5.3	10.6	23.5	40.1	61.1	86.3	109.3	124.8	144.7	167.1
-65°	0.0	4.9	9.7	20.1	35.3	53.4	76.4	97.0	110.0	126.5	146.4
-67.5°	0.0	4.4	8.8	16.7	30.4	46.0	65.9	83.3	94.5	107.5	124.1
-70°	0.0	3.9	7.9	13.1	25.3	39.2	55.1	69.7	79.7	87.7	100.4
-72.5°	0.0	3.5	6.9	11.2	20.0	32.1	45.7	56.1	65.0	72.1	77.5
-75°	0.0	3.0	5.9	9.7	14.6	24.8	36.4	44.5	50.4	56.7	61.5
-77.5°	0.0	2.5	5.0	8.1	11.8	17.4	26.8	33.6	38.6	42.3	45.7
-80°	0.0	2.0	4.0	6.5	9.5	12.7	17.1	22.7	27.1	30.5	32.9
-82.5°	0.0	1.5	3.0	4.9	7.1	9.6	12.3	13.9	15.7	18.8	21.2
-85°	0.0	1.0	2.0	3.3	4.8	6.4	8.3	9.3	10.2	11.0	11.7
-87.5°	0.0	0.5	1.0	1.6	2.4	3.2	4.1	4.6	5.1	5.5	5.8
-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°	5.8	5.8	5.6	5.3	4.9	4.4	3.9	3.3	3.4	3.5	3.6
85°	11.7	11.5	12.4	13.3	13.6	13.5	13.1	12.3	14.1	16.1	18.3
82.5°	23.3	25.3	27.2	29.0	29.1	28.4	27.4	26.3	30.3	35.2	40.6
80°	35.9	39.0	43.4	48.0	49.2	48.8	47.3	44.7	50.3	58.4	67.7
77.5°	51.3	57.5	63.8	70.0	71.6	70.3	67.3	62.6	69.7	82.9	97.5
75°	68.1	76.0	85.9	93.7	95.4	92.7	88.1	84.0	92.6	109.0	124.6
72.5°	88.9	101.8	111.7	118.6	119.1	116.6	114.3	112.2	121.8	141.1	157.3
70°	115.5	128.5	136.1	140.4	141.3	142.9	149.4	155.5	165.0	181.6	194.9
67.5°	141.9	152.2	159.1	164.1	174.0	183.3	192.3	201.6	212.2	226.3	236.3
65°	165.4	175.9	185.1	196.9	211.4	222.7	234.7	247.8	262.4	275.7	285.3
62.5°	188.6	199.9	212.7	228.4	245.1	260.4	278.1	296.1	313.6	328.6	345.1
60°	207.7	222.8	239.9	258.9	279.0	302.1	323.4	344.3	363.5	382.3	405.4
57.5°	225.8	246.3	267.2	289.9	316.3	344.5	369.5	392.4	416.4	443.6	466.3
55°	244.9	270.6	294.6	322.0	353.4	387.5	414.9	440.7	470.3	503.0	528.4
52.5°	265.5	293.8	322.1	355.0	392.9	426.8	455.4	487.6	523.6	559.0	588.5
50°	285.4	316.8	349.5	391.3	428.9	461.2	496.7	535.7	573.2	609.6	644.5
47.5°	305.5	339.0	382.5	425.2	460.5	498.3	539.8	579.8	619.2	657.2	693.7
45°	325.3	365.0	413.3	453.8	493.0	536.5	579.3	621.2	662.8	703.2	743.0
42.5°	344.3	390.4	439.1	481.5	526.7	572.1	616.8	661.2	705.0	748.2	790.7
40°	365.0	413.7	464.9	511.2	558.3	605.6	652.8	699.6	745.8	791.6	836.7
37.5°	384.2	437.7	491.1	539.6	588.0	637.6	687.0	736.6	785.3	833.1	884.4
35°	401.3	462.1	515.9	566.8	617.5	667.8	720.1	772.3	823.7	875.4	940.9
32.5°	420.5	486.6	539.4	593.0	645.5	697.4	751.6	806.9	861.5	922.0	1016.2
30°	442.2	507.1	561.7	618.0	671.8	726.3	782.4	840.1	897.5	991.6	1209.0
27.5°	463.3	525.9	583.3	640.9	696.4	752.9	811.7	871.4	951.5	1096.2	1448.9
25°	482.8	544.0	603.5	662.0	719.2	777.8	838.6	900.6	1009.4	1301.5	2080.9
22.5°	499.3	561.4	623.3	681.2	739.8	800.4	863.6	945.9	1114.0	1508.8	2784.0
20°	513.4	578.0	641.3	701.5	759.1	820.5	886.2	989.0	1272.9	2100.7	3626.6
17.5°	526.5	593.1	657.9	720.7	781.2	841.4	908.9	1026.3	1416.0	2615.1	4473.9
15°	538.4	606.6	673.3	738.8	801.5	864.1	944.7	1132.1	1705.3	3125.8	5228.6
12.5°	549.2	618.4	687.3	755.5	819.6	884.4	976.9	1237.2	2059.7	3724.9	5743.6
10°	558.7	628.6	699.9	770.7	835.6	902.1	1004.1	1323.5	2351.1	4217.6	6157.5
7.5°	567.5	638.4	711.6	784.2	849.5	917.4	1026.3	1390.8	2576.1	4588.7	6487.8
5°	574.8	648.1	725.3	799.0	866.8	934.0	1045.3	1439.2	2734.2	4838.7	6728.4
2.5°	580.6	656.1	737.3	812.0	885.9	954.2	1067.1	1475.0	2836.2	4997.9	6882.2
0°	584.5	662.4	747.2	822.8	903.0	971.8	1084.1	1492.1	2874.2	5056.1	6940.1
-2.5°	580.6	656.1	737.3	812.0	885.9	954.2	1067.1	1475.0	2836.2	4997.9	6882.2
-5°	574.8	648.1	725.3	799.0	866.8	934.0	1045.3	1439.2	2734.2	4838.7	6728.4
-7.5°	567.5	638.4	711.6	784.2	849.5	917.4	1026.3	1390.8	2576.1	4588.7	6487.8
-10°	558.7	628.6	699.9	770.7	835.6	902.1	1004.1	1323.5	2351.1	4217.6	6157.5
-12.5°	549.2	618.4	687.3	755.5	819.6	884.4	976.9	1237.2	2059.7	3724.9	5743.6
-15°	538.4	606.6	673.3	738.8	801.5	864.1	944.7	1132.1	1705.3	3125.8	5228.6
-17.5°	526.5	593.1	657.9	720.7	781.2	841.4	908.9	1026.3	1416.0	2615.1	4473.9
-20°	513.4	578.0	641.3	701.5	759.1	820.5	886.2	989.0	1272.9	2100.7	3626.6



REPORT NUMBER: P558997 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-940-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	499.3	561.4	623.3	681.2	739.8	800.4	863.6	945.9	1114.0	1508.8	2784.0
-25°	482.8	544.0	603.5	662.0	719.2	777.8	838.6	900.6	1009.4	1301.5	2080.9
-27.5°	463.3	525.9	583.3	640.9	696.4	752.9	811.7	871.4	951.5	1096.2	1448.9
-30°	442.2	507.1	561.7	618.0	671.8	726.3	782.4	840.1	897.5	991.6	1209.0
-32.5°	420.5	486.6	539.4	593.0	645.5	697.4	751.6	806.9	861.5	922.0	1016.2
-35°	401.3	462.1	515.9	566.8	617.5	667.8	720.1	772.3	823.7	875.4	940.9
-37.5°	384.2	437.7	491.1	539.6	588.0	637.6	687.0	736.6	785.3	833.1	884.4
-40°	365.0	413.7	464.9	511.2	558.3	605.6	652.8	699.6	745.8	791.6	836.7
-42.5°	344.3	390.4	439.1	481.5	526.7	572.1	616.8	661.2	705.0	748.2	790.7
-45°	325.3	365.0	413.3	453.8	493.0	536.5	579.3	621.2	662.8	703.2	743.0
-47.5°	305.5	339.0	382.5	425.2	460.5	498.3	539.8	579.8	619.2	657.2	693.7
-50°	285.4	316.8	349.5	391.3	428.9	461.2	496.7	535.7	573.2	609.6	644.5
-52.5°	265.5	293.8	322.1	355.0	392.9	426.8	455.4	487.6	523.6	559.0	588.5
-55°	244.9	270.6	294.6	322.0	353.4	387.5	414.9	440.7	470.3	503.0	528.4
-57.5°	225.8	246.3	267.2	289.9	316.3	344.5	369.5	392.4	416.4	443.6	466.3
-60°	207.7	222.8	239.9	258.9	279.0	302.1	323.4	344.3	363.5	382.3	405.4
-62.5°	188.6	199.9	212.7	228.4	245.1	260.4	278.1	296.1	313.6	328.6	345.1
-65°	165.4	175.9	185.1	196.9	211.4	222.7	234.7	247.8	262.4	275.7	285.3
-67.5°	141.9	152.2	159.1	164.1	174.0	183.3	192.3	201.6	212.2	226.3	236.3
-70°	115.5	128.5	136.1	140.4	141.3	142.9	149.4	155.5	165.0	181.6	194.9
-72.5°	88.9	101.8	111.7	118.6	119.1	116.6	114.3	112.2	121.8	141.1	157.3
-75°	68.1	76.0	85.9	93.7	95.4	92.7	88.1	84.0	92.6	109.0	124.6
-77.5°	51.3	57.5	63.8	70.0	71.6	70.3	67.3	62.6	69.7	82.9	97.5
-80°	35.9	39.0	43.4	48.0	49.2	48.8	47.3	44.7	50.3	58.4	67.7
-82.5°	23.3	25.3	27.2	29.0	29.1	28.4	27.4	26.3	30.3	35.2	40.6
-85°	11.7	11.5	12.4	13.3	13.6	13.5	13.1	12.3	14.1	16.1	18.3
-87.5°	5.8	5.8	5.6	5.3	4.9	4.4	3.9	3.3	3.4	3.5	3.6
-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: P558997 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-940-U-MWR-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°	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.4	4.4	3.9	3.4
85°	20.6	20.0	18.9	17.5	15.8	16.7	17.6	18.6	19.5	18.2	16.8
82.5°	46.2	46.8	46.8	46.7	46.5	48.5	50.4	52.1	53.5	49.5	44.7
80°	77.9	81.6	83.8	85.7	87.5	87.5	86.3	84.3	81.4	74.5	66.8
77.5°	112.6	118.4	121.3	124.3	127.3	128.3	129.0	129.8	130.6	118.5	103.1
75°	139.6	148.3	153.3	158.0	162.4	164.8	166.2	167.1	167.5	152.8	134.1
72.5°	170.3	178.9	184.9	190.7	196.1	199.6	201.6	203.2	204.2	191.5	173.5
70°	204.2	210.9	218.1	225.2	231.9	236.4	239.4	241.8	243.6	242.3	241.4
67.5°	244.2	250.1	258.9	265.7	272.7	277.6	282.7	286.8	289.8	293.2	297.0
65°	294.4	308.5	321.3	327.9	328.8	335.9	347.5	355.0	358.8	361.8	365.5
62.5°	364.1	381.3	390.5	401.4	415.6	428.7	433.7	440.6	448.6	458.4	469.6
60°	424.0	438.2	452.9	468.0	481.0	491.9	503.7	515.4	526.1	535.9	545.4
57.5°	485.1	500.7	515.6	533.4	545.8	553.1	564.6	578.7	589.5	597.9	610.8
55°	548.5	568.6	588.9	604.9	616.6	624.4	633.1	646.6	654.6	657.7	672.5
52.5°	612.3	636.1	661.1	679.8	692.3	703.8	714.5	726.4	734.6	738.5	753.0
50°	671.4	699.7	727.6	752.0	768.5	787.7	809.5	820.2	827.1	834.8	851.0
47.5°	727.5	759.2	789.1	816.7	840.6	862.1	880.8	898.9	925.4	946.5	967.4
45°	781.5	815.3	847.7	878.7	905.3	947.5	987.7	1021.9	1113.4	1190.3	1248.9
42.5°	832.4	873.2	909.7	961.3	1017.5	1115.0	1265.5	1405.0	1674.8	2022.1	2312.2
40°	885.4	938.3	1003.6	1104.2	1294.5	1490.1	2075.1	2596.3	3108.9	3691.9	4191.5
37.5°	947.3	1026.9	1218.5	1445.8	2055.9	2730.9	3559.8	4373.5	5082.0	5688.3	6194.4
35°	1029.2	1275.4	1633.3	2461.4	3362.9	4469.5	5424.9	6190.1	6890.1	7451.8	7874.6
32.5°	1270.7	1721.1	2666.5	3805.5	5045.4	6114.6	7045.1	7777.8	8416.3	8919.8	9311.7
30°	1624.3	2659.5	3943.4	5307.5	6542.6	7563.4	8423.2	9121.6	9691.5	10203.8	10633.9
27.5°	2464.5	3796.6	5305.7	6697.0	7820.5	8776.1	9547.4	10239.2	10867.6	11407.0	11915.5
25°	3384.0	5033.1	6555.1	7821.5	8869.9	9766.5	10580.0	11336.7	12040.2	12671.5	13263.0
22.5°	4488.3	6132.8	7587.5	8759.6	9775.5	10696.6	11560.6	12402.8	13221.7	13992.1	14707.8
20°	5488.0	7102.1	8370.6	9541.1	10596.6	11556.4	12508.6	13490.2	14435.2	15363.3	16224.9
17.5°	6267.1	7768.6	9042.1	10228.6	11302.9	12389.9	13479.7	14607.1	15747.1	16824.7	17855.5
15°	6917.6	8324.7	9615.2	10801.5	11982.8	13182.1	14399.6	15727.8	17083.7	18373.6	19687.5
12.5°	7378.8	8788.7	10097.1	11287.4	12611.8	13913.7	15330.9	16844.6	18410.5	19913.1	21527.0
10°	7749.5	9158.9	10456.3	11739.8	13141.3	14584.9	16174.5	17841.7	19710.3	21489.4	23228.3
7.5°	8067.7	9467.7	10744.9	12108.6	13582.0	15168.6	16897.4	18782.3	20804.4	22784.3	24854.1
5°	8300.4	9678.2	10969.1	12411.0	13920.7	15595.0	17455.0	19469.2	21637.8	23807.0	25853.9
2.5°	8423.6	9798.3	11108.5	12598.6	14119.3	15853.4	17790.5	19925.4	22216.0	24583.0	26601.2
0°	8420.8	9848.7	11162.0	12725.1	14265.4	15931.6	17934.8	20217.7	22452.3	24911.6	26983.6
-2.5°	8423.6	9798.3	11108.5	12598.6	14119.3	15853.4	17790.5	19925.4	22216.0	24583.0	26601.2
-5°	8300.4	9678.2	10969.1	12411.0	13920.7	15595.0	17455.0	19469.2	21637.8	23807.0	25853.9
-7.5°	8067.7	9467.7	10744.9	12108.6	13582.0	15168.6	16897.4	18782.3	20804.4	22784.3	24854.1
-10°	7749.5	9158.9	10456.3	11739.8	13141.3	14584.9	16174.5	17841.7	19710.3	21489.4	23228.3
-12.5°	7378.8	8788.7	10097.1	11287.4	12611.8	13913.7	15330.9	16844.6	18410.5	19913.1	21527.0
-15°	6917.6	8324.7	9615.2	10801.5	11982.8	13182.1	14399.6	15727.8	17083.7	18373.6	19687.5
-17.5°	6267.1	7768.6	9042.1	10228.6	11302.9	12389.9	13479.7	14607.1	15747.1	16824.7	17855.5
-20°	5488.0	7102.1	8370.6	9541.1	10596.6	11556.4	12508.6	13490.2	14435.2	15363.3	16224.9



REPORT NUMBER: P558997 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-940-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4488.3	6132.8	7587.5	8759.6	9775.5	10696.6	11560.6	12402.8	13221.7	13992.1	14707.8
-25°	3384.0	5033.1	6555.1	7821.5	8869.9	9766.5	10580.0	11336.7	12040.2	12671.5	13263.0
-27.5°	2464.5	3796.6	5305.7	6697.0	7820.5	8776.1	9547.4	10239.2	10867.6	11407.0	11915.5
-30°	1624.3	2659.5	3943.4	5307.5	6542.6	7563.4	8423.2	9121.6	9691.5	10203.8	10633.9
-32.5°	1270.7	1721.1	2666.5	3805.5	5045.4	6114.6	7045.1	7777.8	8416.3	8919.8	9311.7
-35°	1029.2	1275.4	1633.3	2461.4	3362.9	4469.5	5424.9	6190.1	6890.1	7451.8	7874.6
-37.5°	947.3	1026.9	1218.5	1445.8	2055.9	2730.9	3559.8	4373.5	5082.0	5688.3	6194.4
-40°	885.4	938.3	1003.6	1104.2	1294.5	1490.1	2075.1	2596.3	3108.9	3691.9	4191.5
-42.5°	832.4	873.2	909.7	961.3	1017.5	1115.0	1265.5	1405.0	1674.8	2022.1	2312.2
-45°	781.5	815.3	847.7	878.7	905.3	947.5	987.7	1021.9	1113.4	1190.3	1248.9
-47.5°	727.5	759.2	789.1	816.7	840.6	862.1	880.8	898.9	925.4	946.5	967.4
-50°	671.4	699.7	727.6	752.0	768.5	787.7	809.5	820.2	827.1	834.8	851.0
-52.5°	612.3	636.1	661.1	679.8	692.3	703.8	714.5	726.4	734.6	738.5	753.0
-55°	548.5	568.6	588.9	604.9	616.6	624.4	633.1	646.6	654.6	657.7	672.5
-57.5°	485.1	500.7	515.6	533.4	545.8	553.1	564.6	578.7	589.5	597.9	610.8
-60°	424.0	438.2	452.9	468.0	481.0	491.9	503.7	515.4	526.1	535.9	545.4
-62.5°	364.1	381.3	390.5	401.4	415.6	428.7	433.7	440.6	448.6	458.4	469.6
-65°	294.4	308.5	321.3	327.9	328.8	335.9	347.5	355.0	358.8	361.8	365.5
-67.5°	244.2	250.1	258.9	265.7	272.7	277.6	282.7	286.8	289.8	293.2	297.0
-70°	204.2	210.9	218.1	225.2	231.9	236.4	239.4	241.8	243.6	242.3	241.4
-72.5°	170.3	178.9	184.9	190.7	196.1	199.6	201.6	203.2	204.2	191.5	173.5
-75°	139.6	148.3	153.3	158.0	162.4	164.8	166.2	167.1	167.5	152.8	134.1
-77.5°	112.6	118.4	121.3	124.3	127.3	128.3	129.0	129.8	130.6	118.5	103.1
-80°	77.9	81.6	83.8	85.7	87.5	87.5	86.3	84.3	81.4	74.5	66.8
-82.5°	46.2	46.8	46.8	46.7	46.5	48.5	50.4	52.1	53.5	49.5	44.7
-85°	20.6	20.0	18.9	17.5	15.8	16.7	17.6	18.6	19.5	18.2	16.8
-87.5°	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.4	4.4	3.9	3.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558997 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-940-U-MWR-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°	2.9	2.3	2.3	2.3	2.3	2.3	2.9	3.4	3.9	4.4	4.4
85°	15.3	13.7	13.8	13.8	13.8	13.7	15.3	16.8	18.2	19.5	18.6
82.5°	39.6	34.3	34.3	34.4	34.3	34.3	39.6	44.7	49.5	53.5	52.1
80°	58.7	50.4	51.5	52.7	51.5	50.4	58.7	66.8	74.5	81.4	84.3
77.5°	86.6	69.3	68.7	68.8	68.7	69.3	86.6	103.1	118.5	130.6	129.8
75°	114.7	94.8	93.9	94.0	93.9	94.8	114.7	134.1	152.8	167.5	167.1
72.5°	155.0	136.0	127.4	119.2	127.4	136.0	155.0	173.5	191.5	204.2	203.2
70°	241.6	242.1	233.6	222.3	233.6	242.1	241.6	241.4	242.3	243.6	241.8
67.5°	300.2	302.7	306.3	309.4	306.3	302.7	300.2	297.0	293.2	289.8	286.8
65°	367.2	367.1	368.4	369.0	368.4	367.1	367.2	365.5	361.8	358.8	355.0
62.5°	479.2	486.9	492.4	495.1	492.4	486.9	479.2	469.6	458.4	448.6	440.6
60°	553.4	559.7	568.7	577.6	568.7	559.7	553.4	545.4	535.9	526.1	515.4
57.5°	622.7	633.5	642.2	648.6	642.2	633.5	622.7	610.8	597.9	589.5	578.7
55°	686.6	699.1	711.1	722.0	711.1	699.1	686.6	672.5	657.7	654.6	646.6
52.5°	767.1	777.4	794.3	815.9	794.3	777.4	767.1	753.0	738.5	734.6	726.4
50°	869.8	885.3	906.8	932.8	906.8	885.3	869.8	851.0	834.8	827.1	820.2
47.5°	988.5	1004.1	1024.8	1052.0	1024.8	1004.1	988.5	967.4	946.5	925.4	898.9
45°	1302.5	1339.1	1372.7	1409.6	1372.7	1339.1	1302.5	1248.9	1190.3	1113.4	1021.9
42.5°	2544.7	2705.5	2774.9	2734.3	2774.9	2705.5	2544.7	2312.2	2022.1	1674.8	1405.0
40°	4572.4	4839.6	4996.8	5051.5	4996.8	4839.6	4572.4	4191.5	3691.9	3108.9	2596.3
37.5°	6564.1	6810.0	6942.8	6958.5	6942.8	6810.0	6564.1	6194.4	5688.3	5082.0	4373.5
35°	8179.9	8382.4	8502.5	8592.7	8502.5	8382.4	8179.9	7874.6	7451.8	6890.1	6190.1
32.5°	9630.9	9861.8	9995.3	9965.6	9995.3	9861.8	9630.9	9311.7	8919.8	8416.3	7777.8
30°	10986.4	11239.0	11395.7	11400.4	11395.7	11239.0	10986.4	10633.9	10203.8	9691.5	9121.6
27.5°	12326.5	12610.1	12773.6	12901.6	12773.6	12610.1	12326.5	11915.5	11407.0	10867.6	10239.2
25°	13756.2	14109.6	14319.4	14446.4	14319.4	14109.6	13756.2	13263.0	12671.5	12040.2	11336.7
22.5°	15297.7	15735.4	16023.0	16142.5	16023.0	15735.4	15297.7	14707.8	13992.1	13221.7	12402.8
20°	16974.4	17516.8	17884.1	17872.9	17884.1	17516.8	16974.4	16224.9	15363.3	14435.2	13490.2
17.5°	18845.3	19545.0	20018.5	20087.0	20018.5	19545.0	18845.3	17855.5	16824.7	15747.1	14607.1
15°	20851.1	21753.2	22365.6	22555.5	22365.6	21753.2	20851.1	19687.5	18373.6	17083.7	15727.8
12.5°	22906.6	23979.6	24796.0	25067.5	24796.0	23979.6	22906.6	21527.0	19913.1	18410.5	16844.6
10°	24865.0	26053.5	26939.8	27332.0	26939.8	26053.5	24865.0	23228.3	21489.4	19710.3	17841.7
7.5°	26502.2	27709.7	28622.6	28945.6	28622.6	27709.7	26502.2	24854.1	22784.3	20804.4	18782.3
5°	27580.8	28900.1	29609.9	30009.0	29609.9	28900.1	27580.8	25853.9	23807.0	21637.8	19469.2
2.5°	28301.5	29420.2	30139.0	30506.4	30139.0	29420.2	28301.5	26601.2	24583.0	22216.0	19925.4
0°	28684.3	29823.4	30350.5	30529.3	30350.5	29823.4	28684.3	26983.6	24911.6	22452.3	20217.7
-2.5°	28301.5	29420.2	30139.0	30506.4	30139.0	29420.2	28301.5	26601.2	24583.0	22216.0	19925.4
-5°	27580.8	28900.1	29609.9	30009.0	29609.9	28900.1	27580.8	25853.9	23807.0	21637.8	19469.2
-7.5°	26502.2	27709.7	28622.6	28945.6	28622.6	27709.7	26502.2	24854.1	22784.3	20804.4	18782.3
-10°	24865.0	26053.5	26939.8	27332.0	26939.8	26053.5	24865.0	23228.3	21489.4	19710.3	17841.7
-12.5°	22906.6	23979.6	24796.0	25067.5	24796.0	23979.6	22906.6	21527.0	19913.1	18410.5	16844.6
-15°	20851.1	21753.2	22365.6	22555.5	22365.6	21753.2	20851.1	19687.5	18373.6	17083.7	15727.8
-17.5°	18845.3	19545.0	20018.5	20087.0	20018.5	19545.0	18845.3	17855.5	16824.7	15747.1	14607.1
-20°	16974.4	17516.8	17884.1	17872.9	17884.1	17516.8	16974.4	16224.9	15363.3	14435.2	13490.2



REPORT NUMBER: P558997 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-940-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	15297.7	15735.4	16023.0	16142.5	16023.0	15735.4	15297.7	14707.8	13992.1	13221.7	12402.8
-25°	13756.2	14109.6	14319.4	14446.4	14319.4	14109.6	13756.2	13263.0	12671.5	12040.2	11336.7
-27.5°	12326.5	12610.1	12773.6	12901.6	12773.6	12610.1	12326.5	11915.5	11407.0	10867.6	10239.2
-30°	10986.4	11239.0	11395.7	11400.4	11395.7	11239.0	10986.4	10633.9	10203.8	9691.5	9121.6
-32.5°	9630.9	9861.8	9995.3	9965.6	9995.3	9861.8	9630.9	9311.7	8919.8	8416.3	7777.8
-35°	8179.9	8382.4	8502.5	8592.7	8502.5	8382.4	8179.9	7874.6	7451.8	6890.1	6190.1
-37.5°	6564.1	6810.0	6942.8	6958.5	6942.8	6810.0	6564.1	6194.4	5688.3	5082.0	4373.5
-40°	4572.4	4839.6	4996.8	5051.5	4996.8	4839.6	4572.4	4191.5	3691.9	3108.9	2596.3
-42.5°	2544.7	2705.5	2774.9	2734.3	2774.9	2705.5	2544.7	2312.2	2022.1	1674.8	1405.0
-45°	1302.5	1339.1	1372.7	1409.6	1372.7	1339.1	1302.5	1248.9	1190.3	1113.4	1021.9
-47.5°	988.5	1004.1	1024.8	1052.0	1024.8	1004.1	988.5	967.4	946.5	925.4	898.9
-50°	869.8	885.3	906.8	932.8	906.8	885.3	869.8	851.0	834.8	827.1	820.2
-52.5°	767.1	777.4	794.3	815.9	794.3	777.4	767.1	753.0	738.5	734.6	726.4
-55°	686.6	699.1	711.1	722.0	711.1	699.1	686.6	672.5	657.7	654.6	646.6
-57.5°	622.7	633.5	642.2	648.6	642.2	633.5	622.7	610.8	597.9	589.5	578.7
-60°	553.4	559.7	568.7	577.6	568.7	559.7	553.4	545.4	535.9	526.1	515.4
-62.5°	479.2	486.9	492.4	495.1	492.4	486.9	479.2	469.6	458.4	448.6	440.6
-65°	367.2	367.1	368.4	369.0	368.4	367.1	367.2	365.5	361.8	358.8	355.0
-67.5°	300.2	302.7	306.3	309.4	306.3	302.7	300.2	297.0	293.2	289.8	286.8
-70°	241.6	242.1	233.6	222.3	233.6	242.1	241.6	241.4	242.3	243.6	241.8
-72.5°	155.0	136.0	127.4	119.2	127.4	136.0	155.0	173.5	191.5	204.2	203.2
-75°	114.7	94.8	93.9	94.0	93.9	94.8	114.7	134.1	152.8	167.5	167.1
-77.5°	86.6	69.3	68.7	68.8	68.7	69.3	86.6	103.1	118.5	130.6	129.8
-80°	58.7	50.4	51.5	52.7	51.5	50.4	58.7	66.8	74.5	81.4	84.3
-82.5°	39.6	34.3	34.3	34.4	34.3	34.3	39.6	44.7	49.5	53.5	52.1
-85°	15.3	13.7	13.8	13.8	13.8	13.7	15.3	16.8	18.2	19.5	18.6
-87.5°	2.9	2.3	2.3	2.3	2.3	2.3	2.9	3.4	3.9	4.4	4.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P558997 (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°
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°	4.3	4.2	4.2	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3
85°	17.6	16.7	15.8	17.5	18.9	20.0	20.6	18.3	16.1	14.1	12.3
82.5°	50.4	48.5	46.5	46.7	46.8	46.8	46.2	40.6	35.2	30.3	26.3
80°	86.3	87.5	87.5	85.7	83.8	81.6	77.9	67.7	58.4	50.3	44.7
77.5°	129.0	128.3	127.3	124.3	121.3	118.4	112.6	97.5	82.9	69.7	62.6
75°	166.2	164.8	162.4	158.0	153.3	148.3	139.6	124.6	109.0	92.6	84.0
72.5°	201.6	199.6	196.1	190.7	184.9	178.9	170.3	157.3	141.1	121.8	112.2
70°	239.4	236.4	231.9	225.2	218.1	210.9	204.2	194.9	181.6	165.0	155.5
67.5°	282.7	277.6	272.7	265.7	258.9	250.1	244.2	236.3	226.3	212.2	201.6
65°	347.5	335.9	328.8	327.9	321.3	308.5	294.4	285.3	275.7	262.4	247.8
62.5°	433.7	428.7	415.6	401.4	390.5	381.3	364.1	345.1	328.6	313.6	296.1
60°	503.7	491.9	481.0	468.0	452.9	438.2	424.0	405.4	382.3	363.5	344.3
57.5°	564.6	553.1	545.8	533.4	515.6	500.7	485.1	466.3	443.6	416.4	392.4
55°	633.1	624.4	616.6	604.9	588.9	568.6	548.5	528.4	503.0	470.3	440.7
52.5°	714.5	703.8	692.3	679.8	661.1	636.1	612.3	588.5	559.0	523.6	487.6
50°	809.5	787.7	768.5	752.0	727.6	699.7	671.4	644.5	609.6	573.2	535.7
47.5°	880.8	862.1	840.6	816.7	789.1	759.2	727.5	693.7	657.2	619.2	579.8
45°	987.7	947.5	905.3	878.7	847.7	815.3	781.5	743.0	703.2	662.8	621.2
42.5°	1265.5	1115.0	1017.5	961.3	909.7	873.2	832.4	790.7	748.2	705.0	661.2
40°	2075.1	1490.1	1294.5	1104.2	1003.6	938.3	885.4	836.7	791.6	745.8	699.6
37.5°	3559.8	2730.9	2055.9	1445.8	1218.5	1026.9	947.3	884.4	833.1	785.3	736.6
35°	5424.9	4469.5	3362.9	2461.4	1633.3	1275.4	1029.2	940.9	875.4	823.7	772.3
32.5°	7045.1	6114.6	5045.4	3805.5	2666.5	1721.1	1270.7	1016.2	922.0	861.5	806.9
30°	8423.2	7563.4	6542.6	5307.5	3943.4	2659.5	1624.3	1209.0	991.6	897.5	840.1
27.5°	9547.4	8776.1	7820.5	6697.0	5305.7	3796.6	2464.5	1448.9	1096.2	951.5	871.4
25°	10580.0	9766.5	8869.9	7821.5	6555.1	5033.1	3384.0	2080.9	1301.5	1009.4	900.6
22.5°	11560.6	10696.6	9775.5	8759.6	7587.5	6132.8	4488.3	2784.0	1508.8	1114.0	945.9
20°	12508.6	11556.4	10596.6	9541.1	8370.6	7102.1	5488.0	3626.6	2100.7	1272.9	989.0
17.5°	13479.7	12389.9	11302.9	10228.6	9042.1	7768.6	6267.1	4473.9	2615.1	1416.0	1026.3
15°	14399.6	13182.1	11982.8	10801.5	9615.2	8324.7	6917.6	5228.6	3125.8	1705.3	1132.1
12.5°	15330.9	13913.7	12611.8	11287.4	10097.1	8788.7	7378.8	5743.6	3724.9	2059.7	1237.2
10°	16174.5	14584.9	13141.3	11739.8	10456.3	9158.9	7749.5	6157.5	4217.6	2351.1	1323.5
7.5°	16897.4	15168.6	13582.0	12108.6	10744.9	9467.7	8067.7	6487.8	4588.7	2576.1	1390.8
5°	17455.0	15595.0	13920.7	12411.0	10969.1	9678.2	8300.4	6728.4	4838.7	2734.2	1439.2
2.5°	17790.5	15853.4	14119.3	12598.6	11108.5	9798.3	8423.6	6882.2	4997.9	2836.2	1475.0
0°	17934.8	15931.6	14265.4	12725.1	11162.0	9848.7	8420.8	6940.1	5056.1	2874.2	1492.1
-2.5°	17790.5	15853.4	14119.3	12598.6	11108.5	9798.3	8423.6	6882.2	4997.9	2836.2	1475.0
-5°	17455.0	15595.0	13920.7	12411.0	10969.1	9678.2	8300.4	6728.4	4838.7	2734.2	1439.2
-7.5°	16897.4	15168.6	13582.0	12108.6	10744.9	9467.7	8067.7	6487.8	4588.7	2576.1	1390.8
-10°	16174.5	14584.9	13141.3	11739.8	10456.3	9158.9	7749.5	6157.5	4217.6	2351.1	1323.5
-12.5°	15330.9	13913.7	12611.8	11287.4	10097.1	8788.7	7378.8	5743.6	3724.9	2059.7	1237.2
-15°	14399.6	13182.1	11982.8	10801.5	9615.2	8324.7	6917.6	5228.6	3125.8	1705.3	1132.1
-17.5°	13479.7	12389.9	11302.9	10228.6	9042.1	7768.6	6267.1	4473.9	2615.1	1416.0	1026.3
-20°	12508.6	11556.4	10596.6	9541.1	8370.6	7102.1	5488.0	3626.6	2100.7	1272.9	989.0



REPORT NUMBER: P558997 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-940-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	11560.6	10696.6	9775.5	8759.6	7587.5	6132.8	4488.3	2784.0	1508.8	1114.0	945.9
-25°	10580.0	9766.5	8869.9	7821.5	6555.1	5033.1	3384.0	2080.9	1301.5	1009.4	900.6
-27.5°	9547.4	8776.1	7820.5	6697.0	5305.7	3796.6	2464.5	1448.9	1096.2	951.5	871.4
-30°	8423.2	7563.4	6542.6	5307.5	3943.4	2659.5	1624.3	1209.0	991.6	897.5	840.1
-32.5°	7045.1	6114.6	5045.4	3805.5	2666.5	1721.1	1270.7	1016.2	922.0	861.5	806.9
-35°	5424.9	4469.5	3362.9	2461.4	1633.3	1275.4	1029.2	940.9	875.4	823.7	772.3
-37.5°	3559.8	2730.9	2055.9	1445.8	1218.5	1026.9	947.3	884.4	833.1	785.3	736.6
-40°	2075.1	1490.1	1294.5	1104.2	1003.6	938.3	885.4	836.7	791.6	745.8	699.6
-42.5°	1265.5	1115.0	1017.5	961.3	909.7	873.2	832.4	790.7	748.2	705.0	661.2
-45°	987.7	947.5	905.3	878.7	847.7	815.3	781.5	743.0	703.2	662.8	621.2
-47.5°	880.8	862.1	840.6	816.7	789.1	759.2	727.5	693.7	657.2	619.2	579.8
-50°	809.5	787.7	768.5	752.0	727.6	699.7	671.4	644.5	609.6	573.2	535.7
-52.5°	714.5	703.8	692.3	679.8	661.1	636.1	612.3	588.5	559.0	523.6	487.6
-55°	633.1	624.4	616.6	604.9	588.9	568.6	548.5	528.4	503.0	470.3	440.7
-57.5°	564.6	553.1	545.8	533.4	515.6	500.7	485.1	466.3	443.6	416.4	392.4
-60°	503.7	491.9	481.0	468.0	452.9	438.2	424.0	405.4	382.3	363.5	344.3
-62.5°	433.7	428.7	415.6	401.4	390.5	381.3	364.1	345.1	328.6	313.6	296.1
-65°	347.5	335.9	328.8	327.9	321.3	308.5	294.4	285.3	275.7	262.4	247.8
-67.5°	282.7	277.6	272.7	265.7	258.9	250.1	244.2	236.3	226.3	212.2	201.6
-70°	239.4	236.4	231.9	225.2	218.1	210.9	204.2	194.9	181.6	165.0	155.5
-72.5°	201.6	199.6	196.1	190.7	184.9	178.9	170.3	157.3	141.1	121.8	112.2
-75°	166.2	164.8	162.4	158.0	153.3	148.3	139.6	124.6	109.0	92.6	84.0
-77.5°	129.0	128.3	127.3	124.3	121.3	118.4	112.6	97.5	82.9	69.7	62.6
-80°	86.3	87.5	87.5	85.7	83.8	81.6	77.9	67.7	58.4	50.3	44.7
-82.5°	50.4	48.5	46.5	46.7	46.8	46.8	46.2	40.6	35.2	30.3	26.3
-85°	17.6	16.7	15.8	17.5	18.9	20.0	20.6	18.3	16.1	14.1	12.3
-87.5°	4.3	4.2	4.2	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3
-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: P558997 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-940-U-MWR-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°	3.9	4.4	4.9	5.3	5.6	5.8	5.8	5.8	5.5	5.1	4.6
85°	13.1	13.5	13.6	13.3	12.4	11.5	11.7	11.7	11.0	10.2	9.3
82.5°	27.4	28.4	29.1	29.0	27.2	25.3	23.3	21.2	18.8	15.7	13.9
80°	47.3	48.8	49.2	48.0	43.4	39.0	35.9	32.9	30.5	27.1	22.7
77.5°	67.3	70.3	71.6	70.0	63.8	57.5	51.3	45.7	42.3	38.6	33.6
75°	88.1	92.7	95.4	93.7	85.9	76.0	68.1	61.5	56.7	50.4	44.5
72.5°	114.3	116.6	119.1	118.6	111.7	101.8	88.9	77.5	72.1	65.0	56.1
70°	149.4	142.9	141.3	140.4	136.1	128.5	115.5	100.4	87.7	79.7	69.7
67.5°	192.3	183.3	174.0	164.1	159.1	152.2	141.9	124.1	107.5	94.5	83.3
65°	234.7	222.7	211.4	196.9	185.1	175.9	165.4	146.4	126.5	110.0	97.0
62.5°	278.1	260.4	245.1	228.4	212.7	199.9	188.6	167.1	144.7	124.8	109.3
60°	323.4	302.1	279.0	258.9	239.9	222.8	207.7	187.5	163.2	138.8	120.6
57.5°	369.5	344.5	316.3	289.9	267.2	246.3	225.8	205.2	181.4	154.5	130.6
55°	414.9	387.5	353.4	322.0	294.6	270.6	244.9	221.6	198.6	170.4	137.9
52.5°	455.4	426.8	392.9	355.0	322.1	293.8	265.5	237.7	213.2	186.0	147.8
50°	496.7	461.2	428.9	391.3	349.5	316.8	285.4	255.5	227.4	200.5	157.0
47.5°	539.8	498.3	460.5	425.2	382.5	339.0	305.5	272.9	241.3	212.9	165.1
45°	579.3	536.5	493.0	453.8	413.3	365.0	325.3	289.6	256.3	219.2	172.1
42.5°	616.8	572.1	526.7	481.5	439.1	390.4	344.3	306.7	270.6	224.1	177.0
40°	652.8	605.6	558.3	511.2	464.9	413.7	365.0	323.2	283.4	228.4	180.2
37.5°	687.0	637.6	588.0	539.6	491.1	437.7	384.2	339.0	289.6	233.1	182.5
35°	720.1	667.8	617.5	566.8	515.9	462.1	401.3	354.2	298.8	237.0	183.8
32.5°	751.6	697.4	645.5	593.0	539.4	486.6	420.5	368.1	310.1	240.2	184.1
30°	782.4	726.3	671.8	618.0	561.7	507.1	442.2	381.7	323.2	242.6	184.1
27.5°	811.7	752.9	696.4	640.9	583.3	525.9	463.3	395.0	337.9	247.3	185.3
25°	838.6	777.8	719.2	662.0	603.5	544.0	482.8	408.2	350.3	257.3	185.8
22.5°	863.6	800.4	739.8	681.2	623.3	561.4	499.3	424.3	360.4	267.6	185.5
20°	886.2	820.5	759.1	701.5	641.3	578.0	513.4	438.9	369.9	278.2	184.6
17.5°	908.9	841.4	781.2	720.7	657.9	593.1	526.5	452.0	378.7	288.6	182.8
15°	944.7	864.1	801.5	738.8	673.3	606.6	538.4	463.5	386.7	298.6	182.3
12.5°	976.9	884.4	819.6	755.5	687.3	618.4	549.2	473.3	393.8	305.5	183.0
10°	1004.1	902.1	835.6	770.7	699.9	628.6	558.7	481.7	399.7	308.4	182.6
7.5°	1026.3	917.4	849.5	784.2	711.6	638.4	567.5	488.8	405.4	308.7	181.1
5°	1045.3	934.0	866.8	799.0	725.3	648.1	574.8	494.2	410.6	306.6	178.8
2.5°	1067.1	954.2	885.9	812.0	737.3	656.1	580.6	497.8	414.7	302.2	175.6
0°	1084.1	971.8	903.0	822.8	747.2	662.4	584.5	499.7	417.1	295.7	171.9
-2.5°	1067.1	954.2	885.9	812.0	737.3	656.1	580.6	497.8	414.7	302.2	175.6
-5°	1045.3	934.0	866.8	799.0	725.3	648.1	574.8	494.2	410.6	306.6	178.8
-7.5°	1026.3	917.4	849.5	784.2	711.6	638.4	567.5	488.8	405.4	308.7	181.1
-10°	1004.1	902.1	835.6	770.7	699.9	628.6	558.7	481.7	399.7	308.4	182.6
-12.5°	976.9	884.4	819.6	755.5	687.3	618.4	549.2	473.3	393.8	305.5	183.0
-15°	944.7	864.1	801.5	738.8	673.3	606.6	538.4	463.5	386.7	298.6	182.3
-17.5°	908.9	841.4	781.2	720.7	657.9	593.1	526.5	452.0	378.7	288.6	182.8
-20°	886.2	820.5	759.1	701.5	641.3	578.0	513.4	438.9	369.9	278.2	184.6



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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°	863.6	800.4	739.8	681.2	623.3	561.4	499.3	424.3	360.4	267.6	185.5
-25°	838.6	777.8	719.2	662.0	603.5	544.0	482.8	408.2	350.3	257.3	185.8
-27.5°	811.7	752.9	696.4	640.9	583.3	525.9	463.3	395.0	337.9	247.3	185.3
-30°	782.4	726.3	671.8	618.0	561.7	507.1	442.2	381.7	323.2	242.6	184.1
-32.5°	751.6	697.4	645.5	593.0	539.4	486.6	420.5	368.1	310.1	240.2	184.1
-35°	720.1	667.8	617.5	566.8	515.9	462.1	401.3	354.2	298.8	237.0	183.8
-37.5°	687.0	637.6	588.0	539.6	491.1	437.7	384.2	339.0	289.6	233.1	182.5
-40°	652.8	605.6	558.3	511.2	464.9	413.7	365.0	323.2	283.4	228.4	180.2
-42.5°	616.8	572.1	526.7	481.5	439.1	390.4	344.3	306.7	270.6	224.1	177.0
-45°	579.3	536.5	493.0	453.8	413.3	365.0	325.3	289.6	256.3	219.2	172.1
-47.5°	539.8	498.3	460.5	425.2	382.5	339.0	305.5	272.9	241.3	212.9	165.1
-50°	496.7	461.2	428.9	391.3	349.5	316.8	285.4	255.5	227.4	200.5	157.0
-52.5°	455.4	426.8	392.9	355.0	322.1	293.8	265.5	237.7	213.2	186.0	147.8
-55°	414.9	387.5	353.4	322.0	294.6	270.6	244.9	221.6	198.6	170.4	137.9
-57.5°	369.5	344.5	316.3	289.9	267.2	246.3	225.8	205.2	181.4	154.5	130.6
-60°	323.4	302.1	279.0	258.9	239.9	222.8	207.7	187.5	163.2	138.8	120.6
-62.5°	278.1	260.4	245.1	228.4	212.7	199.9	188.6	167.1	144.7	124.8	109.3
-65°	234.7	222.7	211.4	196.9	185.1	175.9	165.4	146.4	126.5	110.0	97.0
-67.5°	192.3	183.3	174.0	164.1	159.1	152.2	141.9	124.1	107.5	94.5	83.3
-70°	149.4	142.9	141.3	140.4	136.1	128.5	115.5	100.4	87.7	79.7	69.7
-72.5°	114.3	116.6	119.1	118.6	111.7	101.8	88.9	77.5	72.1	65.0	56.1
-75°	88.1	92.7	95.4	93.7	85.9	76.0	68.1	61.5	56.7	50.4	44.5
-77.5°	67.3	70.3	71.6	70.0	63.8	57.5	51.3	45.7	42.3	38.6	33.6
-80°	47.3	48.8	49.2	48.0	43.4	39.0	35.9	32.9	30.5	27.1	22.7
-82.5°	27.4	28.4	29.1	29.0	27.2	25.3	23.3	21.2	18.8	15.7	13.9
-85°	13.1	13.5	13.6	13.3	12.4	11.5	11.7	11.7	11.0	10.2	9.3
-87.5°	3.9	4.4	4.9	5.3	5.6	5.8	5.8	5.8	5.5	5.1	4.6
-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):**

	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	3.2	2.4	1.6	1.0	0.5	0.0
85°	8.3	6.4	4.8	3.3	2.0	1.0	0.0
82.5°	12.3	9.6	7.1	4.9	3.0	1.5	0.0
80°	17.1	12.7	9.5	6.5	4.0	2.0	0.0
77.5°	26.8	17.4	11.8	8.1	5.0	2.5	0.0
75°	36.4	24.8	14.6	9.7	5.9	3.0	0.0
72.5°	45.7	32.1	20.0	11.2	6.9	3.5	0.0
70°	55.1	39.2	25.3	13.1	7.9	3.9	0.0
67.5°	65.9	46.0	30.4	16.7	8.8	4.4	0.0
65°	76.4	53.4	35.3	20.1	9.7	4.9	0.0
62.5°	86.3	61.1	40.1	23.5	10.6	5.3	0.0
60°	95.7	68.5	44.6	26.7	11.5	5.7	0.0
57.5°	102.2	75.5	49.9	29.8	13.5	6.2	0.0
55°	107.6	82.1	54.8	32.7	15.5	6.6	0.0
52.5°	112.3	87.7	59.5	35.5	17.4	7.0	0.0
50°	116.2	90.5	63.8	38.1	19.2	7.4	0.0
47.5°	119.7	92.8	67.8	40.6	20.9	7.8	0.0
45°	125.5	94.4	71.5	43.4	22.6	8.1	0.0
42.5°	130.4	95.6	74.8	45.9	24.2	8.5	0.0
40°	134.5	96.1	76.6	48.5	25.7	8.8	0.0
37.5°	137.6	96.1	76.8	51.2	27.1	9.1	0.0
35°	139.8	97.3	76.7	53.9	28.4	9.4	0.0
32.5°	140.9	98.8	76.2	56.4	29.6	9.7	0.0
30°	140.8	99.7	75.5	58.9	30.8	10.0	0.0
27.5°	139.9	100.0	76.3	61.3	31.8	10.2	0.0
25°	138.4	99.7	77.1	63.6	32.8	10.4	0.0
22.5°	136.2	99.9	77.9	65.7	33.6	10.6	0.0
20°	133.3	102.5	78.5	67.8	34.3	10.8	0.0
17.5°	133.5	104.8	79.0	69.6	35.0	11.0	0.0
15°	135.5	106.7	79.4	71.4	35.5	11.1	0.0
12.5°	137.1	108.4	79.7	72.9	36.0	11.2	0.0
10°	138.3	109.8	79.9	74.3	36.3	11.3	0.0
7.5°	139.2	110.9	80.1	75.5	36.6	11.4	0.0
5°	139.8	111.7	80.1	76.5	36.7	11.5	0.0
2.5°	139.9	112.1	80.2	77.3	36.8	11.5	0.0
0°	139.8	112.3	80.2	77.9	36.7	11.5	0.0
-2.5°	139.9	112.1	80.2	77.3	36.8	11.5	0.0
-5°	139.8	111.7	80.1	76.5	36.7	11.5	0.0
-7.5°	139.2	110.9	80.1	75.5	36.6	11.4	0.0
-10°	138.3	109.8	79.9	74.3	36.3	11.3	0.0
-12.5°	137.1	108.4	79.7	72.9	36.0	11.2	0.0
-15°	135.5	106.7	79.4	71.4	35.5	11.1	0.0
-17.5°	133.5	104.8	79.0	69.6	35.0	11.0	0.0
-20°	133.3	102.5	78.5	67.8	34.3	10.8	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	136.2	99.9	77.9	65.7	33.6	10.6	0.0
-25°	138.4	99.7	77.1	63.6	32.8	10.4	0.0
-27.5°	139.9	100.0	76.3	61.3	31.8	10.2	0.0
-30°	140.8	99.7	75.5	58.9	30.8	10.0	0.0
-32.5°	140.9	98.8	76.2	56.4	29.6	9.7	0.0
-35°	139.8	97.3	76.7	53.9	28.4	9.4	0.0
-37.5°	137.6	96.1	76.8	51.2	27.1	9.1	0.0
-40°	134.5	96.1	76.6	48.5	25.7	8.8	0.0
-42.5°	130.4	95.6	74.8	45.9	24.2	8.5	0.0
-45°	125.5	94.4	71.5	43.4	22.6	8.1	0.0
-47.5°	119.7	92.8	67.8	40.6	20.9	7.8	0.0
-50°	116.2	90.5	63.8	38.1	19.2	7.4	0.0
-52.5°	112.3	87.7	59.5	35.5	17.4	7.0	0.0
-55°	107.6	82.1	54.8	32.7	15.5	6.6	0.0
-57.5°	102.2	75.5	49.9	29.8	13.5	6.2	0.0
-60°	95.7	68.5	44.6	26.7	11.5	5.7	0.0
-62.5°	86.3	61.1	40.1	23.5	10.6	5.3	0.0
-65°	76.4	53.4	35.3	20.1	9.7	4.9	0.0
-67.5°	65.9	46.0	30.4	16.7	8.8	4.4	0.0
-70°	55.1	39.2	25.3	13.1	7.9	3.9	0.0
-72.5°	45.7	32.1	20.0	11.2	6.9	3.5	0.0
-75°	36.4	24.8	14.6	9.7	5.9	3.0	0.0
-77.5°	26.8	17.4	11.8	8.1	5.0	2.5	0.0
-80°	17.1	12.7	9.5	6.5	4.0	2.0	0.0
-82.5°	12.3	9.6	7.1	4.9	3.0	1.5	0.0
-85°	8.3	6.4	4.8	3.3	2.0	1.0	0.0
-87.5°	4.1	3.2	2.4	1.6	1.0	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)