

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: P559099 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-940-U-WR-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559099 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/20/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GFLD-SA5D-940-U-WR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6  
Light Source: (80) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

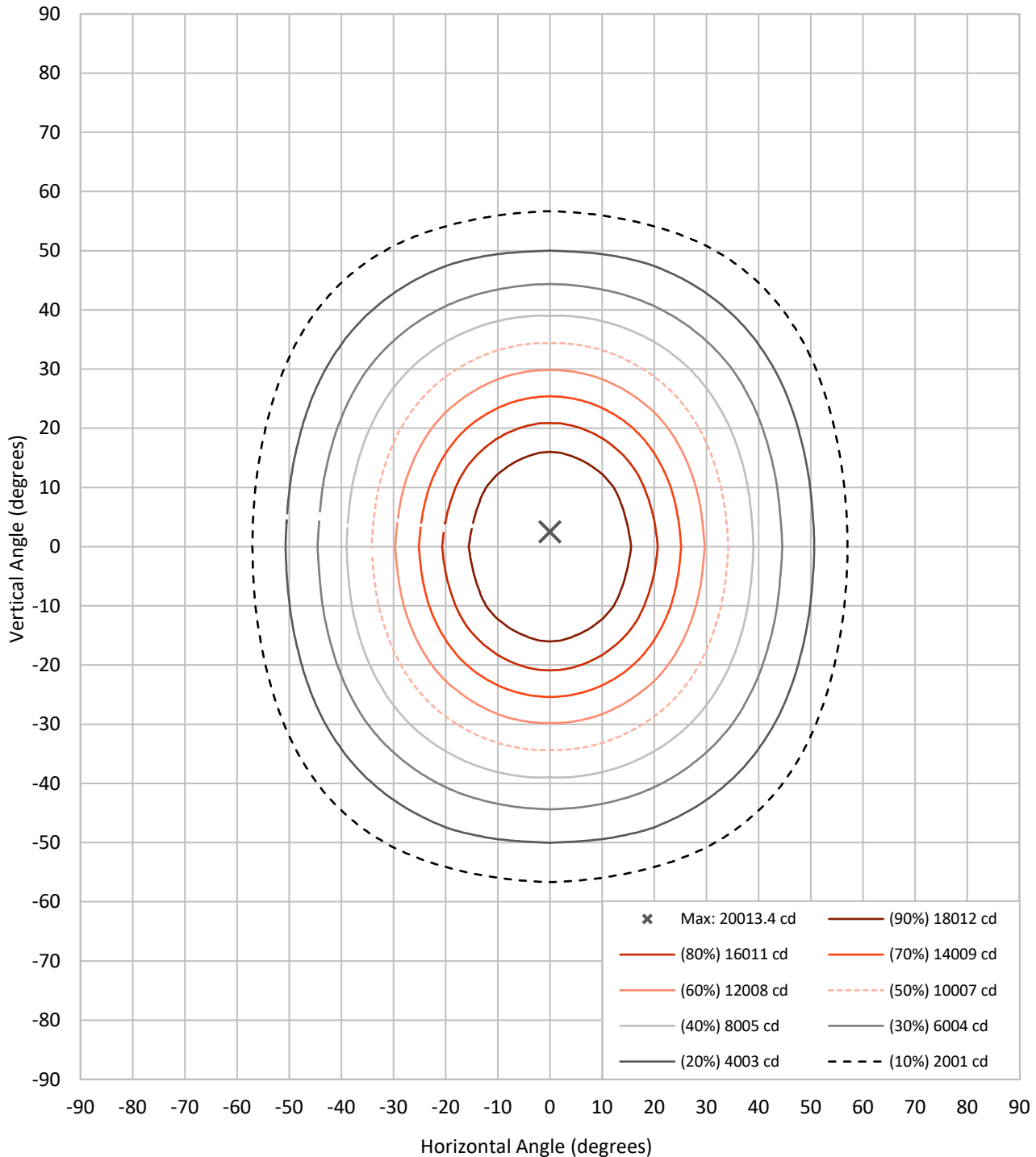
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	27086.4 lumens	Max Intensity:	20013.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 2.5°V
Efficacy:	101.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	68°H x 68.7°V	Field Angle (10%):	114°H x 113.4°V
Beam Lumens:	16240.2 lumens	Field Lumens:	25874.7 lumens
Beam Efficiency:	60.0%	Field Efficiency:	95.5%

Input Watts (W): 266  
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





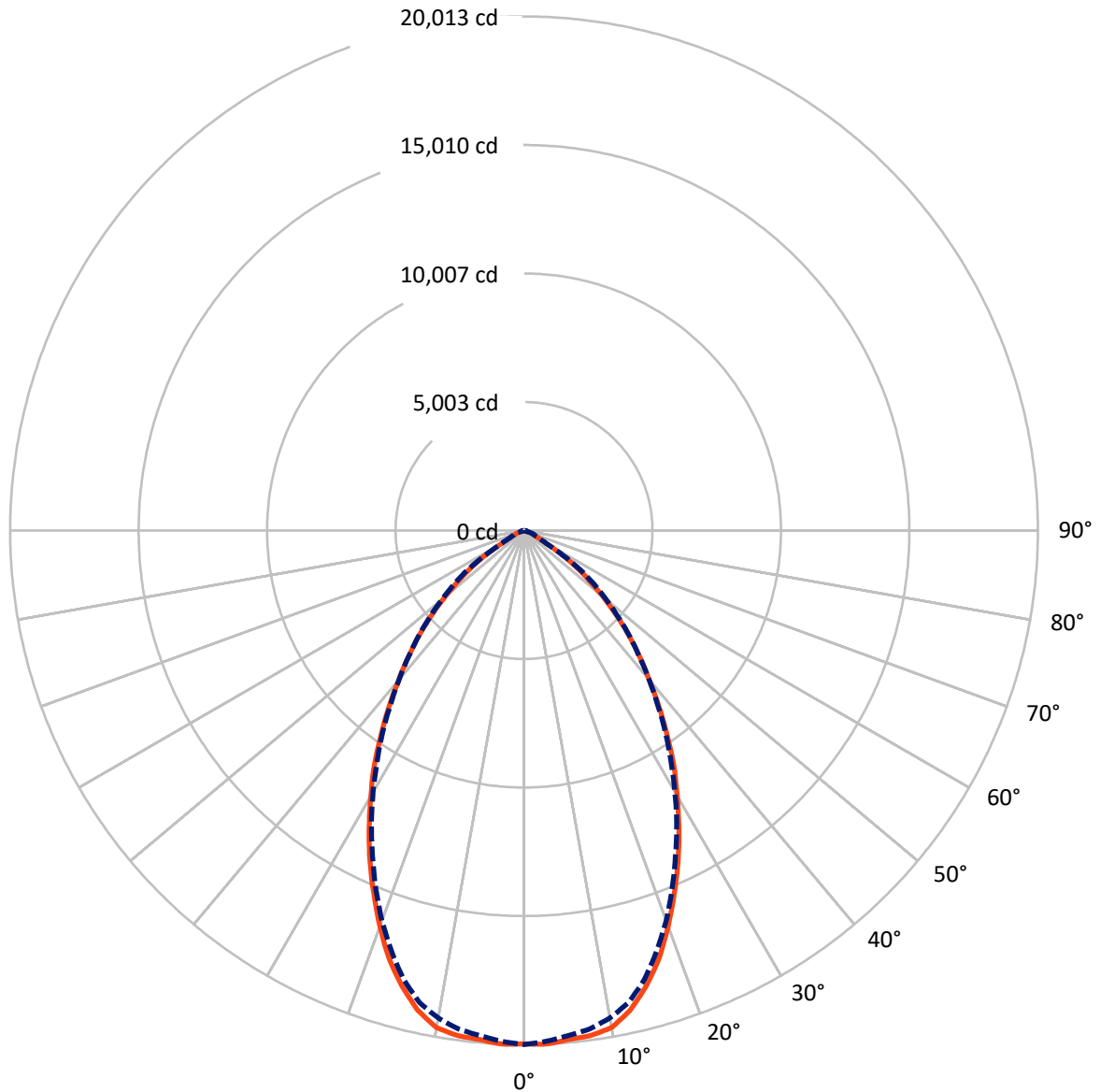
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### Lumen Table

90																			
80	0.2	2.6		6.5		11.3		8.0		11.3		6.5		2.6		0.2			
70																			
60	1.2	1.9	3.6	5.8	8.3	10.9	13.4	15.1	15.1	13.4	10.9	8.3	5.8	3.6	1.9	1.2			
50		3.0	6.1	10.9	21.0	40.7	61.1	73.1	73.1	61.1	40.7	21.0	10.9	6.1	3.0				
40	2.1	3.9	8.9	25.9	68.3	113.5	151.0	172.2	172.2	151.0	113.5	68.3	25.9	8.9	3.9	2.1			
30		4.8	15.3	59.8	122.6	191.4	253.6	290.9	290.9	253.6	191.4	122.6	59.8	15.3	4.8				
20	2.3	5.8	27.7	90.4	173.9	272.2	363.8	421.4	421.4	363.8	272.2	173.9	90.4	27.7	5.8	2.3			
10		6.9	39.6	112.6	214.3	340.1	463.2	541.1	541.1	463.2	340.1	214.3	112.6	39.6	6.9				
0	2.4	7.5	46.2	124.4	237.1	380.0	520.3	594.8	594.8	520.3	380.0	237.1	124.4	46.2	7.5	2.4			
-10		7.5	46.2	124.4	237.1	380.0	520.3	594.8	594.8	520.3	380.0	237.1	124.4	46.2	7.5				
-20	2.3	6.9	39.6	112.6	214.3	340.1	463.2	541.1	541.1	463.2	340.1	214.3	112.6	39.6	6.9	2.3			
-30		5.8	27.7	90.4	173.9	272.2	363.8	421.4	421.4	363.8	272.2	173.9	90.4	27.7	5.8				
-40	2.1	4.8	15.3	59.8	122.6	191.4	253.6	290.9	290.9	253.6	191.4	122.6	59.8	15.3	4.8	2.1			
-50		3.9	8.9	25.9	68.3	113.5	151.0	172.2	172.2	151.0	113.5	68.3	25.9	8.9	3.9				
-60	1.2	3.0	6.1	10.9	21.0	40.7	61.1	73.1	73.1	61.1	40.7	21.0	10.9	6.1	3.0	1.2			
-70		1.9	3.6	5.8	8.3	10.9	13.4	15.1	15.1	13.4	10.9	8.3	5.8	3.6	1.9				
-80	0.2	2.6		6.5		11.3		8.0		11.3		6.5		2.6		0.2			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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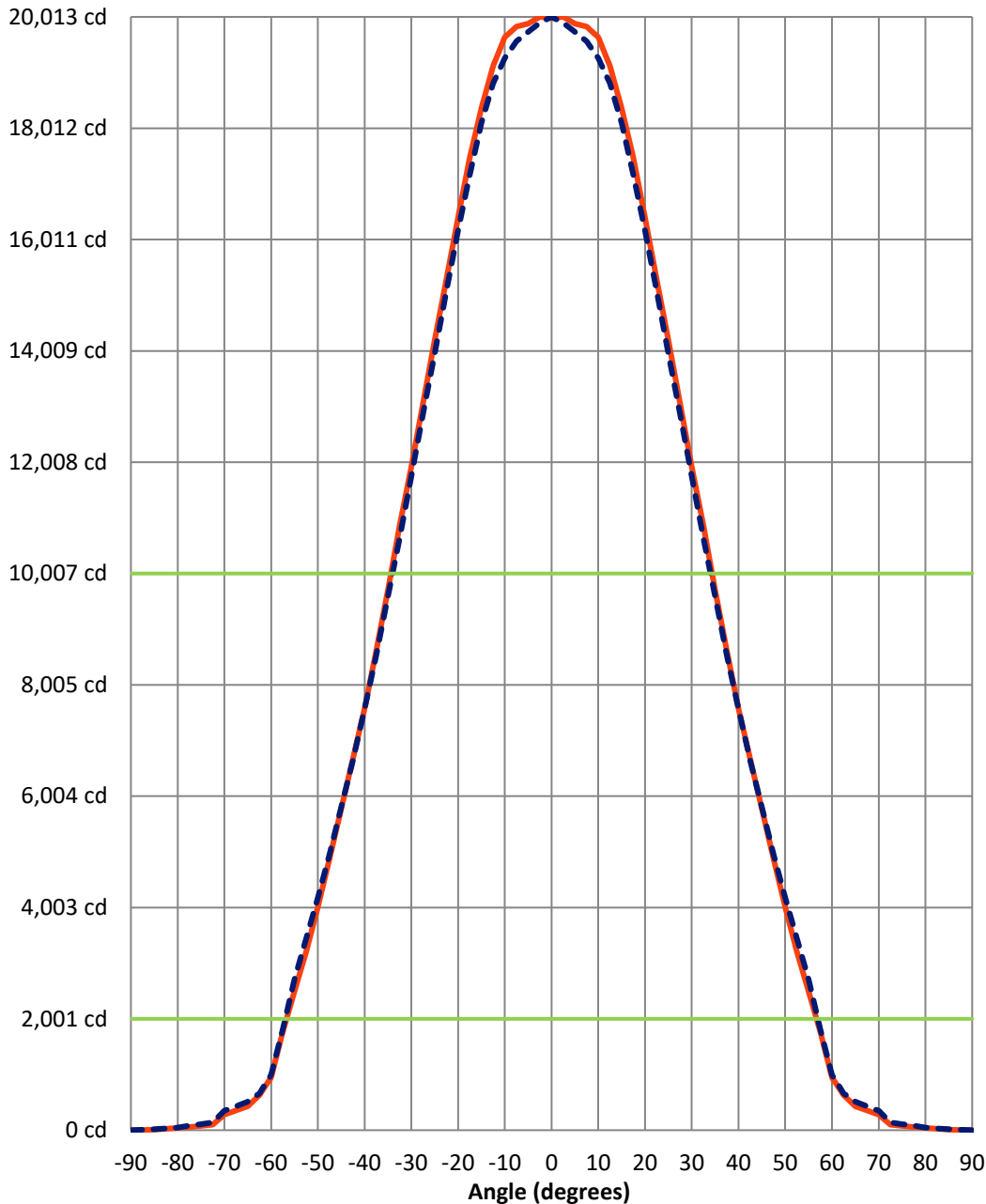
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 2.5-Deg

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### Luminous Intensity Plot



**Beam:**  
H Angle: 68°  
V Angle: 68.7°  
Lumens: 16240.2  
Efficiency: 60.0%

**Field:**  
H Angle: 114°  
V Angle: 113.4°  
Lumens: 25874.7  
Efficiency: 95.5%

**Spill:**  
Lumens: 1211.6  
Efficiency: 4.5%

— Vertical Distribution through 0-Deg  
- - Horizontal Distribution through 2.5-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	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.6	2.9	3.3
85°	0.0	0.7	1.3	2.0	2.7	3.3	4.0	4.6	5.3	5.9	6.5
82.5°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	6.9	8.3	11.3	14.5
80°	0.0	1.3	2.7	4.0	5.3	6.6	8.4	12.4	16.5	20.8	25.2
77.5°	0.0	1.7	3.3	5.0	6.6	9.2	14.2	19.4	24.7	30.2	37.6
75°	0.0	2.0	4.0	6.0	8.2	13.2	19.8	26.3	33.4	44.6	55.6
72.5°	0.0	2.3	4.6	6.9	10.9	17.2	25.2	34.6	47.7	60.7	73.4
70°	0.0	2.6	5.3	8.0	13.5	21.0	31.1	47.1	61.9	76.7	97.8
67.5°	0.0	2.9	5.9	9.6	16.0	24.6	40.5	59.3	76.0	98.1	122.9
65°	0.0	3.3	6.5	11.0	18.3	29.4	49.4	71.4	93.2	118.7	146.8
62.5°	0.0	3.6	7.1	12.5	20.6	35.2	57.6	84.4	109.7	138.8	169.5
60°	0.0	3.8	7.7	13.8	22.6	40.6	65.2	97.3	125.4	160.5	192.5
57.5°	0.0	4.1	8.5	15.0	25.8	45.4	72.7	109.0	144.5	182.2	211.6
55°	0.0	4.4	9.2	16.2	28.7	49.7	79.5	118.1	164.5	202.7	228.9
52.5°	0.0	4.7	9.9	17.2	31.2	53.5	85.3	131.5	184.4	218.6	246.2
50°	0.0	4.9	10.6	18.1	33.4	57.0	90.2	144.0	202.5	234.5	264.5
47.5°	0.0	5.2	11.3	19.0	35.2	59.9	94.7	154.9	216.7	250.2	281.7
45°	0.0	5.4	12.0	20.1	36.6	62.0	102.3	164.1	222.8	264.5	297.8
42.5°	0.0	5.7	12.6	20.9	37.7	63.4	108.7	169.2	226.8	277.8	315.5
40°	0.0	5.9	13.2	21.8	38.4	64.1	113.8	171.2	229.2	288.9	333.1
37.5°	0.0	6.1	13.7	22.9	38.6	64.1	117.6	171.7	231.6	293.8	350.1
35°	0.0	6.3	14.3	23.9	38.5	65.6	120.2	170.8	234.0	304.6	367.0
32.5°	0.0	6.5	14.8	24.8	38.0	67.3	120.7	168.5	236.4	318.3	383.9
30°	0.0	6.7	15.2	25.7	37.0	68.2	118.4	166.1	238.7	334.6	399.8
27.5°	0.0	6.8	15.7	26.5	38.0	68.2	115.2	166.5	244.5	353.4	414.7
25°	0.0	7.0	16.1	27.3	39.1	67.4	111.0	166.6	257.2	368.2	428.9
22.5°	0.0	7.1	16.4	27.9	40.2	67.4	106.0	166.2	270.6	379.5	447.0
20°	0.0	7.2	16.8	28.6	41.2	70.6	100.1	165.3	284.4	389.7	463.0
17.5°	0.0	7.3	17.0	29.1	42.1	73.4	99.1	163.8	298.3	398.9	477.1
15°	0.0	7.4	17.3	29.6	43.0	75.8	101.1	162.9	311.8	407.0	489.1
12.5°	0.0	7.5	17.5	30.0	43.8	77.8	102.9	161.9	323.8	414.0	499.1
10°	0.0	7.6	17.7	30.3	44.5	79.4	104.4	158.6	333.7	419.3	506.6
7.5°	0.0	7.6	17.8	30.6	45.1	80.7	105.8	153.6	341.6	423.6	511.0
5°	0.0	7.7	17.9	30.8	45.6	81.6	106.8	147.1	347.2	426.9	513.2
2.5°	0.0	7.7	18.0	30.9	46.0	82.1	107.6	139.5	350.1	428.9	513.5
0°	0.0	7.7	18.0	30.9	46.3	82.3	108.1	131.2	349.9	429.6	512.0
-2.5°	0.0	7.7	18.0	30.9	46.0	82.1	107.6	139.5	350.1	428.9	513.5
-5°	0.0	7.7	17.9	30.8	45.6	81.6	106.8	147.1	347.2	426.9	513.2
-7.5°	0.0	7.6	17.8	30.6	45.1	80.7	105.8	153.6	341.6	423.6	511.0
-10°	0.0	7.6	17.7	30.3	44.5	79.4	104.4	158.6	333.7	419.3	506.6
-12.5°	0.0	7.5	17.5	30.0	43.8	77.8	102.9	161.9	323.8	414.0	499.1
-15°	0.0	7.4	17.3	29.6	43.0	75.8	101.1	162.9	311.8	407.0	489.1
-17.5°	0.0	7.3	17.0	29.1	42.1	73.4	99.1	163.8	298.3	398.9	477.1
-20°	0.0	7.2	16.8	28.6	41.2	70.6	100.1	165.3	284.4	389.7	463.0



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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	7.1	16.4	27.9	40.2	67.4	106.0	166.2	270.6	379.5	447.0
-25°	0.0	7.0	16.1	27.3	39.1	67.4	111.0	166.6	257.2	368.2	428.9
-27.5°	0.0	6.8	15.7	26.5	38.0	68.2	115.2	166.5	244.5	353.4	414.7
-30°	0.0	6.7	15.2	25.7	37.0	68.2	118.4	166.1	238.7	334.6	399.8
-32.5°	0.0	6.5	14.8	24.8	38.0	67.3	120.7	168.5	236.4	318.3	383.9
-35°	0.0	6.3	14.3	23.9	38.5	65.6	120.2	170.8	234.0	304.6	367.0
-37.5°	0.0	6.1	13.7	22.9	38.6	64.1	117.6	171.7	231.6	293.8	350.1
-40°	0.0	5.9	13.2	21.8	38.4	64.1	113.8	171.2	229.2	288.9	333.1
-42.5°	0.0	5.7	12.6	20.9	37.7	63.4	108.7	169.2	226.8	277.8	315.5
-45°	0.0	5.4	12.0	20.1	36.6	62.0	102.3	164.1	222.8	264.5	297.8
-47.5°	0.0	5.2	11.3	19.0	35.2	59.9	94.7	154.9	216.7	250.2	281.7
-50°	0.0	4.9	10.6	18.1	33.4	57.0	90.2	144.0	202.5	234.5	264.5
-52.5°	0.0	4.7	9.9	17.2	31.2	53.5	85.3	131.5	184.4	218.6	246.2
-55°	0.0	4.4	9.2	16.2	28.7	49.7	79.5	118.1	164.5	202.7	228.9
-57.5°	0.0	4.1	8.5	15.0	25.8	45.4	72.7	109.0	144.5	182.2	211.6
-60°	0.0	3.8	7.7	13.8	22.6	40.6	65.2	97.3	125.4	160.5	192.5
-62.5°	0.0	3.6	7.1	12.5	20.6	35.2	57.6	84.4	109.7	138.8	169.5
-65°	0.0	3.3	6.5	11.0	18.3	29.4	49.4	71.4	93.2	118.7	146.8
-67.5°	0.0	2.9	5.9	9.6	16.0	24.6	40.5	59.3	76.0	98.1	122.9
-70°	0.0	2.6	5.3	8.0	13.5	21.0	31.1	47.1	61.9	76.7	97.8
-72.5°	0.0	2.3	4.6	6.9	10.9	17.2	25.2	34.6	47.7	60.7	73.4
-75°	0.0	2.0	4.0	6.0	8.2	13.2	19.8	26.3	33.4	44.6	55.6
-77.5°	0.0	1.7	3.3	5.0	6.6	9.2	14.2	19.4	24.7	30.2	37.6
-80°	0.0	1.3	2.7	4.0	5.3	6.6	8.4	12.4	16.5	20.8	25.2
-82.5°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	6.9	8.3	11.3	14.5
-85°	0.0	0.7	1.3	2.0	2.7	3.3	4.0	4.6	5.3	5.9	6.5
-87.5°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.6	2.9	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





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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°	3.3	3.2	3.1	2.9	3.1	3.3	3.4	3.6	3.3	3.0	2.6
85°	6.5	6.4	7.3	7.8	8.6	9.2	9.4	9.4	10.5	12.0	13.7
82.5°	16.3	17.4	18.1	18.3	18.5	18.4	18.2	18.1	22.3	27.7	33.7
80°	27.4	28.5	32.9	37.5	39.9	39.9	37.8	33.7	39.9	49.9	61.9
77.5°	44.6	51.2	58.1	65.2	66.5	63.1	57.6	50.0	58.9	76.7	96.7
75°	65.0	73.9	84.0	91.5	91.6	86.1	78.9	77.4	92.4	113.9	131.6
72.5°	88.7	101.8	111.6	118.1	117.5	116.6	119.4	125.8	138.0	153.8	167.5
70°	117.5	130.6	137.9	141.2	142.5	149.6	160.2	168.2	177.0	192.5	206.8
67.5°	146.1	156.1	162.4	166.8	178.8	192.5	203.1	212.9	223.7	239.6	252.6
65°	171.5	181.7	190.7	204.0	221.6	234.5	247.2	260.4	279.1	296.8	307.5
62.5°	196.3	207.2	220.9	239.0	258.0	274.6	295.2	318.6	343.0	361.2	382.0
60°	215.6	231.1	250.5	272.1	294.7	321.7	348.2	375.5	400.5	424.9	455.5
57.5°	234.0	256.3	280.4	305.8	335.8	369.4	401.8	431.3	462.8	496.7	531.2
55°	254.0	283.3	310.1	340.4	376.9	419.6	455.6	490.6	528.2	585.3	635.1
52.5°	276.0	308.4	338.8	375.7	421.1	466.7	507.7	556.7	619.6	704.4	841.9
50°	296.8	331.5	367.0	414.8	463.9	512.0	571.3	639.5	765.6	923.7	1200.5
47.5°	317.4	354.3	401.2	452.8	506.4	569.8	644.9	794.1	966.0	1359.8	1752.2
45°	337.9	381.7	433.6	492.1	556.0	635.5	791.6	975.6	1443.3	1896.3	2368.1
42.5°	357.9	409.1	468.5	530.9	614.3	758.2	959.3	1445.3	1951.7	2471.9	2924.8
40°	380.6	434.8	503.5	582.6	692.8	911.3	1362.7	1909.9	2480.7	2972.2	3412.8
37.5°	402.0	466.1	540.7	632.9	830.9	1195.6	1777.1	2384.1	2936.8	3417.1	3887.8
35°	421.6	496.4	585.3	723.6	966.3	1567.2	2197.7	2814.9	3343.3	3856.0	4370.8
32.5°	444.6	525.7	628.2	843.7	1276.7	1926.1	2596.9	3185.1	3738.3	4285.0	4873.2
30°	470.0	562.0	688.0	958.3	1584.2	2274.7	2939.3	3540.1	4113.7	4721.0	5350.9
27.5°	494.0	597.1	786.9	1180.5	1873.3	2600.2	3250.8	3869.1	4484.9	5131.5	5809.7
25°	515.8	630.4	879.8	1424.1	2152.4	2878.0	3537.4	4166.6	4831.5	5534.3	6247.9
22.5°	539.3	662.9	963.4	1645.9	2407.7	3125.2	3790.6	4457.6	5161.4	5906.2	6650.6
20°	564.6	732.2	1101.1	1850.9	2639.7	3349.8	4017.8	4728.1	5470.1	6241.5	7027.8
17.5°	587.7	793.5	1265.7	2045.2	2834.7	3545.1	4222.2	4973.0	5738.5	6545.0	7373.1
15°	608.5	846.6	1410.6	2217.2	3000.3	3711.0	4421.6	5190.4	5977.1	6817.0	7677.2
12.5°	626.7	891.5	1535.2	2365.8	3139.9	3852.9	4589.2	5373.7	6189.7	7054.9	7951.3
10°	642.3	928.1	1638.8	2490.1	3253.5	3970.0	4723.7	5526.3	6358.9	7246.5	8172.3
7.5°	652.2	958.2	1720.8	2589.4	3341.2	4061.6	4825.2	5646.5	6482.7	7396.0	8339.4
5°	658.5	982.8	1780.0	2662.7	3405.1	4130.7	4898.3	5733.0	6562.2	7500.9	8451.9
2.5°	661.5	999.8	1816.1	2709.7	3445.1	4179.2	4958.8	5808.7	6645.8	7575.6	8538.9
0°	661.2	1008.5	1829.2	2729.7	3460.4	4201.3	4988.6	5847.9	6699.4	7607.6	8598.1
-2.5°	661.5	999.8	1816.1	2709.7	3445.1	4179.2	4958.8	5808.7	6645.8	7575.6	8538.9
-5°	658.5	982.8	1780.0	2662.7	3405.1	4130.7	4898.3	5733.0	6562.2	7500.9	8451.9
-7.5°	652.2	958.2	1720.8	2589.4	3341.2	4061.6	4825.2	5646.5	6482.7	7396.0	8339.4
-10°	642.3	928.1	1638.8	2490.1	3253.5	3970.0	4723.7	5526.3	6358.9	7246.5	8172.3
-12.5°	626.7	891.5	1535.2	2365.8	3139.9	3852.9	4589.2	5373.7	6189.7	7054.9	7951.3
-15°	608.5	846.6	1410.6	2217.2	3000.3	3711.0	4421.6	5190.4	5977.1	6817.0	7677.2
-17.5°	587.7	793.5	1265.7	2045.2	2834.7	3545.1	4222.2	4973.0	5738.5	6545.0	7373.1
-20°	564.6	732.2	1101.1	1850.9	2639.7	3349.8	4017.8	4728.1	5470.1	6241.5	7027.8



REPORT NUMBER: P559099 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-940-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	539.3	662.9	963.4	1645.9	2407.7	3125.2	3790.6	4457.6	5161.4	5906.2	6650.6
-25°	515.8	630.4	879.8	1424.1	2152.4	2878.0	3537.4	4166.6	4831.5	5534.3	6247.9
-27.5°	494.0	597.1	786.9	1180.5	1873.3	2600.2	3250.8	3869.1	4484.9	5131.5	5809.7
-30°	470.0	562.0	688.0	958.3	1584.2	2274.7	2939.3	3540.1	4113.7	4721.0	5350.9
-32.5°	444.6	525.7	628.2	843.7	1276.7	1926.1	2596.9	3185.1	3738.3	4285.0	4873.2
-35°	421.6	496.4	585.3	723.6	966.3	1567.2	2197.7	2814.9	3343.3	3856.0	4370.8
-37.5°	402.0	466.1	540.7	632.9	830.9	1195.6	1777.1	2384.1	2936.8	3417.1	3887.8
-40°	380.6	434.8	503.5	582.6	692.8	911.3	1362.7	1909.9	2480.7	2972.2	3412.8
-42.5°	357.9	409.1	468.5	530.9	614.3	758.2	959.3	1445.3	1951.7	2471.9	2924.8
-45°	337.9	381.7	433.6	492.1	556.0	635.5	791.6	975.6	1443.3	1896.3	2368.1
-47.5°	317.4	354.3	401.2	452.8	506.4	569.8	644.9	794.1	966.0	1359.8	1752.2
-50°	296.8	331.5	367.0	414.8	463.9	512.0	571.3	639.5	765.6	923.7	1200.5
-52.5°	276.0	308.4	338.8	375.7	421.1	466.7	507.7	556.7	619.6	704.4	841.9
-55°	254.0	283.3	310.1	340.4	376.9	419.6	455.6	490.6	528.2	585.3	635.1
-57.5°	234.0	256.3	280.4	305.8	335.8	369.4	401.8	431.3	462.8	496.7	531.2
-60°	215.6	231.1	250.5	272.1	294.7	321.7	348.2	375.5	400.5	424.9	455.5
-62.5°	196.3	207.2	220.9	239.0	258.0	274.6	295.2	318.6	343.0	361.2	382.0
-65°	171.5	181.7	190.7	204.0	221.6	234.5	247.2	260.4	279.1	296.8	307.5
-67.5°	146.1	156.1	162.4	166.8	178.8	192.5	203.1	212.9	223.7	239.6	252.6
-70°	117.5	130.6	137.9	141.2	142.5	149.6	160.2	168.2	177.0	192.5	206.8
-72.5°	88.7	101.8	111.6	118.1	117.5	116.6	119.4	125.8	138.0	153.8	167.5
-75°	65.0	73.9	84.0	91.5	91.6	86.1	78.9	77.4	92.4	113.9	131.6
-77.5°	44.6	51.2	58.1	65.2	66.5	63.1	57.6	50.0	58.9	76.7	96.7
-80°	27.4	28.5	32.9	37.5	39.9	39.9	37.8	33.7	39.9	49.9	61.9
-82.5°	16.3	17.4	18.1	18.3	18.5	18.4	18.2	18.1	22.3	27.7	33.7
-85°	6.5	6.4	7.3	7.8	8.6	9.2	9.4	9.4	10.5	12.0	13.7
-87.5°	3.3	3.2	3.1	2.9	3.1	3.3	3.4	3.6	3.3	3.0	2.6
-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: P559099 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-940-U-WR-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°	2.1	2.2	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6
85°	15.7	15.4	14.9	14.1	13.0	13.4	13.9	14.2	14.5	13.6	12.6
82.5°	40.4	43.3	46.1	49.2	52.3	51.9	50.4	48.3	45.7	40.7	35.2
80°	75.6	82.7	87.4	91.2	94.2	91.3	86.9	81.8	76.2	67.7	58.4
77.5°	117.4	124.5	128.2	132.6	137.5	138.6	138.8	139.3	139.8	124.1	104.0
75°	145.8	155.2	162.9	169.8	175.8	178.8	180.8	182.8	184.6	163.7	136.3
72.5°	179.2	188.3	195.7	203.2	209.7	214.7	218.6	221.8	224.3	207.4	183.4
70°	218.3	227.4	235.8	243.5	251.0	257.8	263.9	269.6	274.8	275.7	277.0
67.5°	262.4	267.8	277.9	287.5	299.1	307.5	316.9	325.8	333.9	340.8	346.5
65°	317.0	336.5	356.1	365.7	366.5	378.8	398.0	408.7	411.8	414.2	420.3
62.5°	408.7	433.8	447.0	464.2	487.8	513.6	523.5	537.7	555.0	574.5	592.2
60°	481.4	502.8	534.7	567.0	595.8	621.9	685.3	741.7	790.0	831.5	871.5
57.5°	571.9	607.1	655.8	743.5	823.7	896.1	1020.2	1171.5	1306.4	1424.5	1528.2
55°	715.9	818.5	910.8	1117.8	1339.0	1530.4	1709.7	1901.4	2057.4	2179.5	2292.3
52.5°	961.6	1243.6	1529.3	1798.1	2062.5	2303.1	2519.0	2688.9	2821.5	2921.1	3015.3
50°	1539.4	1879.2	2227.3	2548.0	2807.6	3044.9	3269.6	3438.1	3579.2	3700.6	3808.0
47.5°	2169.4	2567.1	2896.1	3191.9	3471.7	3734.9	3980.7	4185.9	4359.6	4519.8	4653.2
45°	2796.2	3152.1	3489.4	3806.6	4111.1	4406.1	4670.6	4903.9	5133.7	5323.6	5473.9
42.5°	3326.4	3703.0	4061.8	4424.8	4765.3	5096.2	5415.7	5699.4	5943.6	6151.1	6318.2
40°	3835.1	4241.2	4667.4	5070.4	5474.7	5852.3	6206.2	6530.2	6808.3	7054.1	7262.1
37.5°	4352.9	4827.1	5295.4	5754.6	6200.1	6610.8	7017.0	7390.7	7716.5	8004.1	8245.7
35°	4899.4	5422.0	5931.6	6449.1	6935.5	7410.8	7859.7	8271.1	8632.0	8970.8	9262.0
32.5°	5446.9	6013.2	6586.9	7146.9	7685.7	8218.0	8710.4	9174.2	9600.8	9975.8	10286.7
30°	5980.0	6603.4	7217.3	7827.4	8442.4	9022.2	9567.8	10077.1	10540.0	10948.4	11301.6
27.5°	6491.5	7161.7	7820.1	8517.8	9186.1	9817.0	10409.6	10957.2	11473.9	11938.4	12339.3
25°	6964.8	7676.7	8444.1	9175.9	9891.1	10590.7	11240.0	11834.8	12425.6	12936.6	13371.9
22.5°	7412.0	8206.4	9014.4	9781.9	10570.9	11340.2	12067.0	12756.4	13387.4	13922.8	14387.0
20°	7837.2	8692.1	9524.6	10374.4	11228.9	12058.8	12859.1	13595.9	14262.5	14846.1	15369.6
17.5°	8238.9	9123.5	10008.2	10915.6	11838.3	12710.9	13558.8	14360.3	15088.1	15735.5	16325.6
15°	8586.2	9500.3	10447.7	11412.1	12377.2	13305.0	14204.9	15078.1	15896.8	16601.6	17196.7
12.5°	8881.5	9833.7	10835.9	11847.8	12865.1	13837.7	14791.5	15725.7	16596.1	17353.8	17964.8
10°	9126.4	10124.1	11170.9	12224.8	13268.3	14278.8	15270.8	16237.5	17172.3	17957.6	18585.3
7.5°	9330.4	10366.4	11437.4	12523.2	13576.0	14625.4	15660.0	16636.6	17557.5	18385.6	19030.6
5°	9482.9	10536.2	11629.8	12742.6	13811.6	14898.5	15963.7	16963.1	17875.0	18625.4	19151.9
2.5°	9596.4	10641.9	11754.7	12875.0	13958.0	15084.1	16172.1	17172.5	18105.8	18816.1	19272.0
0°	9673.6	10700.1	11868.1	12966.7	14067.8	15223.0	16298.4	17309.5	18246.0	18940.6	19411.4
-2.5°	9596.4	10641.9	11754.7	12875.0	13958.0	15084.1	16172.1	17172.5	18105.8	18816.1	19272.0
-5°	9482.9	10536.2	11629.8	12742.6	13811.6	14898.5	15963.7	16963.1	17875.0	18625.4	19151.9
-7.5°	9330.4	10366.4	11437.4	12523.2	13576.0	14625.4	15660.0	16636.6	17557.5	18385.6	19030.6
-10°	9126.4	10124.1	11170.9	12224.8	13268.3	14278.8	15270.8	16237.5	17172.3	17957.6	18585.3
-12.5°	8881.5	9833.7	10835.9	11847.8	12865.1	13837.7	14791.5	15725.7	16596.1	17353.8	17964.8
-15°	8586.2	9500.3	10447.7	11412.1	12377.2	13305.0	14204.9	15078.1	15896.8	16601.6	17196.7
-17.5°	8238.9	9123.5	10008.2	10915.6	11838.3	12710.9	13558.8	14360.3	15088.1	15735.5	16325.6
-20°	7837.2	8692.1	9524.6	10374.4	11228.9	12058.8	12859.1	13595.9	14262.5	14846.1	15369.6



REPORT NUMBER: P559099 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-940-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7412.0	8206.4	9014.4	9781.9	10570.9	11340.2	12067.0	12756.4	13387.4	13922.8	14387.0
-25°	6964.8	7676.7	8444.1	9175.9	9891.1	10590.7	11240.0	11834.8	12425.6	12936.6	13371.9
-27.5°	6491.5	7161.7	7820.1	8517.8	9186.1	9817.0	10409.6	10957.2	11473.9	11938.4	12339.3
-30°	5980.0	6603.4	7217.3	7827.4	8442.4	9022.2	9567.8	10077.1	10540.0	10948.4	11301.6
-32.5°	5446.9	6013.2	6586.9	7146.9	7685.7	8218.0	8710.4	9174.2	9600.8	9975.8	10286.7
-35°	4899.4	5422.0	5931.6	6449.1	6935.5	7410.8	7859.7	8271.1	8632.0	8970.8	9262.0
-37.5°	4352.9	4827.1	5295.4	5754.6	6200.1	6610.8	7017.0	7390.7	7716.5	8004.1	8245.7
-40°	3835.1	4241.2	4667.4	5070.4	5474.7	5852.3	6206.2	6530.2	6808.3	7054.1	7262.1
-42.5°	3326.4	3703.0	4061.8	4424.8	4765.3	5096.2	5415.7	5699.4	5943.6	6151.1	6318.2
-45°	2796.2	3152.1	3489.4	3806.6	4111.1	4406.1	4670.6	4903.9	5133.7	5323.6	5473.9
-47.5°	2169.4	2567.1	2896.1	3191.9	3471.7	3734.9	3980.7	4185.9	4359.6	4519.8	4653.2
-50°	1539.4	1879.2	2227.3	2548.0	2807.6	3044.9	3269.6	3438.1	3579.2	3700.6	3808.0
-52.5°	961.6	1243.6	1529.3	1798.1	2062.5	2303.1	2519.0	2688.9	2821.5	2921.1	3015.3
-55°	715.9	818.5	910.8	1117.8	1339.0	1530.4	1709.7	1901.4	2057.4	2179.5	2292.3
-57.5°	571.9	607.1	655.8	743.5	823.7	896.1	1020.2	1171.5	1306.4	1424.5	1528.2
-60°	481.4	502.8	534.7	567.0	595.8	621.9	685.3	741.7	790.0	831.5	871.5
-62.5°	408.7	433.8	447.0	464.2	487.8	513.6	523.5	537.7	555.0	574.5	592.2
-65°	317.0	336.5	356.1	365.7	366.5	378.8	398.0	408.7	411.8	414.2	420.3
-67.5°	262.4	267.8	277.9	287.5	299.1	307.5	316.9	325.8	333.9	340.8	346.5
-70°	218.3	227.4	235.8	243.5	251.0	257.8	263.9	269.6	274.8	275.7	277.0
-72.5°	179.2	188.3	195.7	203.2	209.7	214.7	218.6	221.8	224.3	207.4	183.4
-75°	145.8	155.2	162.9	169.8	175.8	178.8	180.8	182.8	184.6	163.7	136.3
-77.5°	117.4	124.5	128.2	132.6	137.5	138.6	138.8	139.3	139.8	124.1	104.0
-80°	75.6	82.7	87.4	91.2	94.2	91.3	86.9	81.8	76.2	67.7	58.4
-82.5°	40.4	43.3	46.1	49.2	52.3	51.9	50.4	48.3	45.7	40.7	35.2
-85°	15.7	15.4	14.9	14.1	13.0	13.4	13.9	14.2	14.5	13.6	12.6
-87.5°	2.1	2.2	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6
-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: P559099 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-940-U-WR-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°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5
85°	11.4	10.3	10.3	10.3	10.3	10.3	11.4	12.6	13.6	14.5	14.2
82.5°	29.3	23.2	24.4	25.7	24.4	23.2	29.3	35.2	40.7	45.7	48.3
80°	48.7	38.7	39.8	41.2	39.8	38.7	48.7	58.4	67.7	76.2	81.8
77.5°	82.5	59.9	57.8	56.6	57.8	59.9	82.5	104.0	124.1	139.8	139.3
75°	107.9	78.8	77.1	77.2	77.1	78.8	107.9	136.3	163.7	184.6	182.8
72.5°	159.3	134.7	117.6	100.3	117.6	134.7	159.3	183.4	207.4	224.3	221.8
70°	279.9	283.4	282.0	277.9	282.0	283.4	279.9	277.0	275.7	274.8	269.6
67.5°	351.3	355.0	355.7	355.0	355.7	355.0	351.3	346.5	340.8	333.9	325.8
65°	424.5	426.9	428.9	429.6	428.9	426.9	424.5	420.3	414.2	411.8	408.7
62.5°	605.5	614.3	623.7	630.3	623.7	614.3	605.5	592.2	574.5	555.0	537.7
60°	906.5	935.4	948.2	949.3	948.2	935.4	906.5	871.5	831.5	790.0	741.7
57.5°	1611.2	1673.3	1728.6	1770.1	1728.6	1673.3	1611.2	1528.2	1424.5	1306.4	1171.5
55°	2382.3	2448.2	2485.5	2495.6	2485.5	2448.2	2382.3	2292.3	2179.5	2057.4	1901.4
52.5°	3086.8	3130.8	3172.4	3208.2	3172.4	3130.8	3086.8	3015.3	2921.1	2821.5	2688.9
50°	3889.2	3938.1	3979.3	4010.9	3979.3	3938.1	3889.2	3808.0	3700.6	3579.2	3438.1
47.5°	4746.8	4806.7	4850.8	4880.5	4850.8	4806.7	4746.8	4653.2	4519.8	4359.6	4185.9
45°	5602.5	5705.1	5767.5	5778.4	5767.5	5705.1	5602.5	5473.9	5323.6	5133.7	4903.9
42.5°	6462.6	6560.9	6627.3	6676.3	6627.3	6560.9	6462.6	6318.2	6151.1	5943.6	5699.4
40°	7435.4	7558.9	7615.5	7579.3	7615.5	7558.9	7435.4	7262.1	7054.1	6808.3	6530.2
37.5°	8431.9	8558.9	8624.3	8621.3	8624.3	8558.9	8431.9	8245.7	8004.1	7716.5	7390.7
35°	9488.4	9645.8	9731.0	9709.6	9731.0	9645.8	9488.4	9262.0	8970.8	8632.0	8271.1
32.5°	10535.0	10725.3	10848.2	10867.3	10848.2	10725.3	10535.0	10286.7	9975.8	9600.8	9174.2
30°	11584.8	11790.5	11912.8	11924.7	11912.8	11790.5	11584.8	11301.6	10948.4	10540.0	10077.1
27.5°	12675.8	12905.9	13033.9	13064.4	13033.9	12905.9	12675.8	12339.3	11938.4	11473.9	10957.2
25°	13743.1	13998.5	14145.4	14201.6	14145.4	13998.5	13743.1	13371.9	12936.6	12425.6	11834.8
22.5°	14772.3	15052.4	15243.7	15292.4	15243.7	15052.4	14772.3	14387.0	13922.8	13387.4	12756.4
20°	15804.6	16135.1	16379.7	16403.9	16379.7	16135.1	15804.6	15369.6	14846.1	14262.5	13595.9
17.5°	16798.5	17156.1	17417.9	17481.9	17417.9	17156.1	16798.5	16325.6	15735.5	15088.1	14360.3
15°	17688.3	18063.6	18316.4	18372.0	18316.4	18063.6	17688.3	17196.7	16601.6	15896.8	15078.1
12.5°	18456.1	18802.1	19038.1	19128.4	19038.1	18802.1	18456.1	17964.8	17353.8	16596.1	15725.7
10°	19074.7	19342.0	19552.9	19648.1	19552.9	19342.0	19074.7	18585.3	17957.6	17172.3	16237.5
7.5°	19420.0	19639.8	19786.0	19838.5	19786.0	19639.8	19420.0	19030.6	18385.6	17557.5	16636.6
5°	19556.5	19767.2	19846.3	19892.5	19846.3	19767.2	19556.5	19151.9	18625.4	17875.0	16963.1
2.5°	19575.0	19743.8	19906.5	20013.4	19906.5	19743.8	19575.0	19272.0	18816.1	18105.8	17172.5
0°	19684.1	19848.8	19938.8	19990.3	19938.8	19848.8	19684.1	19411.4	18940.6	18246.0	17309.5
-2.5°	19575.0	19743.8	19906.5	20013.4	19906.5	19743.8	19575.0	19272.0	18816.1	18105.8	17172.5
-5°	19556.5	19767.2	19846.3	19892.5	19846.3	19767.2	19556.5	19151.9	18625.4	17875.0	16963.1
-7.5°	19420.0	19639.8	19786.0	19838.5	19786.0	19639.8	19420.0	19030.6	18385.6	17557.5	16636.6
-10°	19074.7	19342.0	19552.9	19648.1	19552.9	19342.0	19074.7	18585.3	17957.6	17172.3	16237.5
-12.5°	18456.1	18802.1	19038.1	19128.4	19038.1	18802.1	18456.1	17964.8	17353.8	16596.1	15725.7
-15°	17688.3	18063.6	18316.4	18372.0	18316.4	18063.6	17688.3	17196.7	16601.6	15896.8	15078.1
-17.5°	16798.5	17156.1	17417.9	17481.9	17417.9	17156.1	16798.5	16325.6	15735.5	15088.1	14360.3
-20°	15804.6	16135.1	16379.7	16403.9	16379.7	16135.1	15804.6	15369.6	14846.1	14262.5	13595.9



REPORT NUMBER: P559099 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-940-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	14772.3	15052.4	15243.7	15292.4	15243.7	15052.4	14772.3	14387.0	13922.8	13387.4	12756.4
-25°	13743.1	13998.5	14145.4	14201.6	14145.4	13998.5	13743.1	13371.9	12936.6	12425.6	11834.8
-27.5°	12675.8	12905.9	13033.9	13064.4	13033.9	12905.9	12675.8	12339.3	11938.4	11473.9	10957.2
-30°	11584.8	11790.5	11912.8	11924.7	11912.8	11790.5	11584.8	11301.6	10948.4	10540.0	10077.1
-32.5°	10535.0	10725.3	10848.2	10867.3	10848.2	10725.3	10535.0	10286.7	9975.8	9600.8	9174.2
-35°	9488.4	9645.8	9731.0	9709.6	9731.0	9645.8	9488.4	9262.0	8970.8	8632.0	8271.1
-37.5°	8431.9	8558.9	8624.3	8621.3	8624.3	8558.9	8431.9	8245.7	8004.1	7716.5	7390.7
-40°	7435.4	7558.9	7615.5	7579.3	7615.5	7558.9	7435.4	7262.1	7054.1	6808.3	6530.2
-42.5°	6462.6	6560.9	6627.3	6676.3	6627.3	6560.9	6462.6	6318.2	6151.1	5943.6	5699.4
-45°	5602.5	5705.1	5767.5	5778.4	5767.5	5705.1	5602.5	5473.9	5323.6	5133.7	4903.9
-47.5°	4746.8	4806.7	4850.8	4880.5	4850.8	4806.7	4746.8	4653.2	4519.8	4359.6	4185.9
-50°	3889.2	3938.1	3979.3	4010.9	3979.3	3938.1	3889.2	3808.0	3700.6	3579.2	3438.1
-52.5°	3086.8	3130.8	3172.4	3208.2	3172.4	3130.8	3086.8	3015.3	2921.1	2821.5	2688.9
-55°	2382.3	2448.2	2485.5	2495.6	2485.5	2448.2	2382.3	2292.3	2179.5	2057.4	1901.4
-57.5°	1611.2	1673.3	1728.6	1770.1	1728.6	1673.3	1611.2	1528.2	1424.5	1306.4	1171.5
-60°	906.5	935.4	948.2	949.3	948.2	935.4	906.5	871.5	831.5	790.0	741.7
-62.5°	605.5	614.3	623.7	630.3	623.7	614.3	605.5	592.2	574.5	555.0	537.7
-65°	424.5	426.9	428.9	429.6	428.9	426.9	424.5	420.3	414.2	411.8	408.7
-67.5°	351.3	355.0	355.7	355.0	355.7	355.0	351.3	346.5	340.8	333.9	325.8
-70°	279.9	283.4	282.0	277.9	282.0	283.4	279.9	277.0	275.7	274.8	269.6
-72.5°	159.3	134.7	117.6	100.3	117.6	134.7	159.3	183.4	207.4	224.3	221.8
-75°	107.9	78.8	77.1	77.2	77.1	78.8	107.9	136.3	163.7	184.6	182.8
-77.5°	82.5	59.9	57.8	56.6	57.8	59.9	82.5	104.0	124.1	139.8	139.3
-80°	48.7	38.7	39.8	41.2	39.8	38.7	48.7	58.4	67.7	76.2	81.8
-82.5°	29.3	23.2	24.4	25.7	24.4	23.2	29.3	35.2	40.7	45.7	48.3
-85°	11.4	10.3	10.3	10.3	10.3	10.3	11.4	12.6	13.6	14.5	14.2
-87.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5
-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: P559099 (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°	2.4	2.4	2.4	2.3	2.3	2.2	2.1	2.6	3.0	3.3	3.6
85°	13.9	13.4	13.0	14.1	14.9	15.4	15.7	13.7	12.0	10.5	9.4
82.5°	50.4	51.9	52.3	49.2	46.1	43.3	40.4	33.7	27.7	22.3	18.1
80°	86.9	91.3	94.2	91.2	87.4	82.7	75.6	61.9	49.9	39.9	33.7
77.5°	138.8	138.6	137.5	132.6	128.2	124.5	117.4	96.7	76.7	58.9	50.0
75°	180.8	178.8	175.8	169.8	162.9	155.2	145.8	131.6	113.9	92.4	77.4
72.5°	218.6	214.7	209.7	203.2	195.7	188.3	179.2	167.5	153.8	138.0	125.8
70°	263.9	257.8	251.0	243.5	235.8	227.4	218.3	206.8	192.5	177.0	168.2
67.5°	316.9	307.5	299.1	287.5	277.9	267.8	262.4	252.6	239.6	223.7	212.9
65°	398.0	378.8	366.5	365.7	356.1	336.5	317.0	307.5	296.8	279.1	260.4
62.5°	523.5	513.6	487.8	464.2	447.0	433.8	408.7	382.0	361.2	343.0	318.6
60°	685.3	621.9	595.8	567.0	534.7	502.8	481.4	455.5	424.9	400.5	375.5
57.5°	1020.2	896.1	823.7	743.5	655.8	607.1	571.9	531.2	496.7	462.8	431.3
55°	1709.7	1530.4	1339.0	1117.8	910.8	818.5	715.9	635.1	585.3	528.2	490.6
52.5°	2519.0	2303.1	2062.5	1798.1	1529.3	1243.6	961.6	841.9	704.4	619.6	556.7
50°	3269.6	3044.9	2807.6	2548.0	2227.3	1879.2	1539.4	1200.5	923.7	765.6	639.5
47.5°	3980.7	3734.9	3471.7	3191.9	2896.1	2567.1	2169.4	1752.2	1359.8	966.0	794.1
45°	4670.6	4406.1	4111.1	3806.6	3489.4	3152.1	2796.2	2368.1	1896.3	1443.3	975.6
42.5°	5415.7	5096.2	4765.3	4424.8	4061.8	3703.0	3326.4	2924.8	2471.9	1951.7	1445.3
40°	6206.2	5852.3	5474.7	5070.4	4667.4	4241.2	3835.1	3412.8	2972.2	2480.7	1909.9
37.5°	7017.0	6610.8	6200.1	5754.6	5295.4	4827.1	4352.9	3887.8	3417.1	2936.8	2384.1
35°	7859.7	7410.8	6935.5	6449.1	5931.6	5422.0	4899.4	4370.8	3856.0	3343.3	2814.9
32.5°	8710.4	8218.0	7685.7	7146.9	6586.9	6013.2	5446.9	4873.2	4285.0	3738.3	3185.1
30°	9567.8	9022.2	8442.4	7827.4	7217.3	6603.4	5980.0	5350.9	4721.0	4113.7	3540.1
27.5°	10409.6	9817.0	9186.1	8517.8	7820.1	7161.7	6491.5	5809.7	5131.5	4484.9	3869.1
25°	11240.0	10590.7	9891.1	9175.9	8444.1	7676.7	6964.8	6247.9	5534.3	4831.5	4166.6
22.5°	12067.0	11340.2	10570.9	9781.9	9014.4	8206.4	7412.0	6650.6	5906.2	5161.4	4457.6
20°	12859.1	12058.8	11228.9	10374.4	9524.6	8692.1	7837.2	7027.8	6241.5	5470.1	4728.1
17.5°	13558.8	12710.9	11838.3	10915.6	10008.2	9123.5	8238.9	7373.1	6545.0	5738.5	4973.0
15°	14204.9	13305.0	12377.2	11412.1	10447.7	9500.3	8586.2	7677.2	6817.0	5977.1	5190.4
12.5°	14791.5	13837.7	12865.1	11847.8	10835.9	9833.7	8881.5	7951.3	7054.9	6189.7	5373.7
10°	15270.8	14278.8	13268.3	12224.8	11170.9	10124.1	9126.4	8172.3	7246.5	6358.9	5526.3
7.5°	15660.0	14625.4	13576.0	12523.2	11437.4	10366.4	9330.4	8339.4	7396.0	6482.7	5646.5
5°	15963.7	14898.5	13811.6	12742.6	11629.8	10536.2	9482.9	8451.9	7500.9	6562.2	5733.0
2.5°	16172.1	15084.1	13958.0	12875.0	11754.7	10641.9	9596.4	8538.9	7575.6	6645.8	5808.7
0°	16298.4	15223.0	14067.8	12966.7	11868.1	10700.1	9673.6	8598.1	7607.6	6699.4	5847.9
-2.5°	16172.1	15084.1	13958.0	12875.0	11754.7	10641.9	9596.4	8538.9	7575.6	6645.8	5808.7
-5°	15963.7	14898.5	13811.6	12742.6	11629.8	10536.2	9482.9	8451.9	7500.9	6562.2	5733.0
-7.5°	15660.0	14625.4	13576.0	12523.2	11437.4	10366.4	9330.4	8339.4	7396.0	6482.7	5646.5
-10°	15270.8	14278.8	13268.3	12224.8	11170.9	10124.1	9126.4	8172.3	7246.5	6358.9	5526.3
-12.5°	14791.5	13837.7	12865.1	11847.8	10835.9	9833.7	8881.5	7951.3	7054.9	6189.7	5373.7
-15°	14204.9	13305.0	12377.2	11412.1	10447.7	9500.3	8586.2	7677.2	6817.0	5977.1	5190.4
-17.5°	13558.8	12710.9	11838.3	10915.6	10008.2	9123.5	8238.9	7373.1	6545.0	5738.5	4973.0
-20°	12859.1	12058.8	11228.9	10374.4	9524.6	8692.1	7837.2	7027.8	6241.5	5470.1	4728.1



REPORT NUMBER: P559099 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-940-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12067.0	11340.2	10570.9	9781.9	9014.4	8206.4	7412.0	6650.6	5906.2	5161.4	4457.6
-25°	11240.0	10590.7	9891.1	9175.9	8444.1	7676.7	6964.8	6247.9	5534.3	4831.5	4166.6
-27.5°	10409.6	9817.0	9186.1	8517.8	7820.1	7161.7	6491.5	5809.7	5131.5	4484.9	3869.1
-30°	9567.8	9022.2	8442.4	7827.4	7217.3	6603.4	5980.0	5350.9	4721.0	4113.7	3540.1
-32.5°	8710.4	8218.0	7685.7	7146.9	6586.9	6013.2	5446.9	4873.2	4285.0	3738.3	3185.1
-35°	7859.7	7410.8	6935.5	6449.1	5931.6	5422.0	4899.4	4370.8	3856.0	3343.3	2814.9
-37.5°	7017.0	6610.8	6200.1	5754.6	5295.4	4827.1	4352.9	3887.8	3417.1	2936.8	2384.1
-40°	6206.2	5852.3	5474.7	5070.4	4667.4	4241.2	3835.1	3412.8	2972.2	2480.7	1909.9
-42.5°	5415.7	5096.2	4765.3	4424.8	4061.8	3703.0	3326.4	2924.8	2471.9	1951.7	1445.3
-45°	4670.6	4406.1	4111.1	3806.6	3489.4	3152.1	2796.2	2368.1	1896.3	1443.3	975.6
-47.5°	3980.7	3734.9	3471.7	3191.9	2896.1	2567.1	2169.4	1752.2	1359.8	966.0	794.1
-50°	3269.6	3044.9	2807.6	2548.0	2227.3	1879.2	1539.4	1200.5	923.7	765.6	639.5
-52.5°	2519.0	2303.1	2062.5	1798.1	1529.3	1243.6	961.6	841.9	704.4	619.6	556.7
-55°	1709.7	1530.4	1339.0	1117.8	910.8	818.5	715.9	635.1	585.3	528.2	490.6
-57.5°	1020.2	896.1	823.7	743.5	655.8	607.1	571.9	531.2	496.7	462.8	431.3
-60°	685.3	621.9	595.8	567.0	534.7	502.8	481.4	455.5	424.9	400.5	375.5
-62.5°	523.5	513.6	487.8	464.2	447.0	433.8	408.7	382.0	361.2	343.0	318.6
-65°	398.0	378.8	366.5	365.7	356.1	336.5	317.0	307.5	296.8	279.1	260.4
-67.5°	316.9	307.5	299.1	287.5	277.9	267.8	262.4	252.6	239.6	223.7	212.9
-70°	263.9	257.8	251.0	243.5	235.8	227.4	218.3	206.8	192.5	177.0	168.2
-72.5°	218.6	214.7	209.7	203.2	195.7	188.3	179.2	167.5	153.8	138.0	125.8
-75°	180.8	178.8	175.8	169.8	162.9	155.2	145.8	131.6	113.9	92.4	77.4
-77.5°	138.8	138.6	137.5	132.6	128.2	124.5	117.4	96.7	76.7	58.9	50.0
-80°	86.9	91.3	94.2	91.2	87.4	82.7	75.6	61.9	49.9	39.9	33.7
-82.5°	50.4	51.9	52.3	49.2	46.1	43.3	40.4	33.7	27.7	22.3	18.1
-85°	13.9	13.4	13.0	14.1	14.9	15.4	15.7	13.7	12.0	10.5	9.4
-87.5°	2.4	2.4	2.4	2.3	2.3	2.2	2.1	2.6	3.0	3.3	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: P559099 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-940-U-WR-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°	3.4	3.3	3.1	2.9	3.1	3.2	3.3	3.3	2.9	2.6	2.3
85°	9.4	9.2	8.6	7.8	7.3	6.4	6.5	6.5	5.9	5.3	4.6
82.5°	18.2	18.4	18.5	18.3	18.1	17.4	16.3	14.5	11.3	8.3	6.9
80°	37.8	39.9	39.9	37.5	32.9	28.5	27.4	25.2	20.8	16.5	12.4
77.5°	57.6	63.1	66.5	65.2	58.1	51.2	44.6	37.6	30.2	24.7	19.4
75°	78.9	86.1	91.6	91.5	84.0	73.9	65.0	55.6	44.6	33.4	26.3
72.5°	119.4	116.6	117.5	118.1	111.6	101.8	88.7	73.4	60.7	47.7	34.6
70°	160.2	149.6	142.5	141.2	137.9	130.6	117.5	97.8	76.7	61.9	47.1
67.5°	203.1	192.5	178.8	166.8	162.4	156.1	146.1	122.9	98.1	76.0	59.3
65°	247.2	234.5	221.6	204.0	190.7	181.7	171.5	146.8	118.7	93.2	71.4
62.5°	295.2	274.6	258.0	239.0	220.9	207.2	196.3	169.5	138.8	109.7	84.4
60°	348.2	321.7	294.7	272.1	250.5	231.1	215.6	192.5	160.5	125.4	97.3
57.5°	401.8	369.4	335.8	305.8	280.4	256.3	234.0	211.6	182.2	144.5	109.0
55°	455.6	419.6	376.9	340.4	310.1	283.3	254.0	228.9	202.7	164.5	118.1
52.5°	507.7	466.7	421.1	375.7	338.8	308.4	276.0	246.2	218.6	184.4	131.5
50°	571.3	512.0	463.9	414.8	367.0	331.5	296.8	264.5	234.5	202.5	144.0
47.5°	644.9	569.8	506.4	452.8	401.2	354.3	317.4	281.7	250.2	216.7	154.9
45°	791.6	635.5	556.0	492.1	433.6	381.7	337.9	297.8	264.5	222.8	164.1
42.5°	959.3	758.2	614.3	530.9	468.5	409.1	357.9	315.5	277.8	226.8	169.2
40°	1362.7	911.3	692.8	582.6	503.5	434.8	380.6	333.1	288.9	229.2	171.2
37.5°	1777.1	1195.6	830.9	632.9	540.7	466.1	402.0	350.1	293.8	231.6	171.7
35°	2197.7	1567.2	966.3	723.6	585.3	496.4	421.6	367.0	304.6	234.0	170.8
32.5°	2596.9	1926.1	1276.7	843.7	628.2	525.7	444.6	383.9	318.3	236.4	168.5
30°	2939.3	2274.7	1584.2	958.3	688.0	562.0	470.0	399.8	334.6	238.7	166.1
27.5°	3250.8	2600.2	1873.3	1180.5	786.9	597.1	494.0	414.7	353.4	244.5	166.5
25°	3537.4	2878.0	2152.4	1424.1	879.8	630.4	515.8	428.9	368.2	257.2	166.6
22.5°	3790.6	3125.2	2407.7	1645.9	963.4	662.9	539.3	447.0	379.5	270.6	166.2
20°	4017.8	3349.8	2639.7	1850.9	1101.1	732.2	564.6	463.0	389.7	284.4	165.3
17.5°	4222.2	3545.1	2834.7	2045.2	1265.7	793.5	587.7	477.1	398.9	298.3	163.8
15°	4421.6	3711.0	3000.3	2217.2	1410.6	846.6	608.5	489.1	407.0	311.8	162.9
12.5°	4589.2	3852.9	3139.9	2365.8	1535.2	891.5	626.7	499.1	414.0	323.8	161.9
10°	4723.7	3970.0	3253.5	2490.1	1638.8	928.1	642.3	506.6	419.3	333.7	158.6
7.5°	4825.2	4061.6	3341.2	2589.4	1720.8	958.2	652.2	511.0	423.6	341.6	153.6
5°	4898.3	4130.7	3405.1	2662.7	1780.0	982.8	658.5	513.2	426.9	347.2	147.1
2.5°	4958.8	4179.2	3445.1	2709.7	1816.1	999.8	661.5	513.5	428.9	350.1	139.5
0°	4988.6	4201.3	3460.4	2729.7	1829.2	1008.5	661.2	512.0	429.6	349.9	131.2
-2.5°	4958.8	4179.2	3445.1	2709.7	1816.1	999.8	661.5	513.5	428.9	350.1	139.5
-5°	4898.3	4130.7	3405.1	2662.7	1780.0	982.8	658.5	513.2	426.9	347.2	147.1
-7.5°	4825.2	4061.6	3341.2	2589.4	1720.8	958.2	652.2	511.0	423.6	341.6	153.6
-10°	4723.7	3970.0	3253.5	2490.1	1638.8	928.1	642.3	506.6	419.3	333.7	158.6
-12.5°	4589.2	3852.9	3139.9	2365.8	1535.2	891.5	626.7	499.1	414.0	323.8	161.9
-15°	4421.6	3711.0	3000.3	2217.2	1410.6	846.6	608.5	489.1	407.0	311.8	162.9
-17.5°	4222.2	3545.1	2834.7	2045.2	1265.7	793.5	587.7	477.1	398.9	298.3	163.8
-20°	4017.8	3349.8	2639.7	1850.9	1101.1	732.2	564.6	463.0	389.7	284.4	165.3



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3790.6	3125.2	2407.7	1645.9	963.4	662.9	539.3	447.0	379.5	270.6	166.2
-25°	3537.4	2878.0	2152.4	1424.1	879.8	630.4	515.8	428.9	368.2	257.2	166.6
-27.5°	3250.8	2600.2	1873.3	1180.5	786.9	597.1	494.0	414.7	353.4	244.5	166.5
-30°	2939.3	2274.7	1584.2	958.3	688.0	562.0	470.0	399.8	334.6	238.7	166.1
-32.5°	2596.9	1926.1	1276.7	843.7	628.2	525.7	444.6	383.9	318.3	236.4	168.5
-35°	2197.7	1567.2	966.3	723.6	585.3	496.4	421.6	367.0	304.6	234.0	170.8
-37.5°	1777.1	1195.6	830.9	632.9	540.7	466.1	402.0	350.1	293.8	231.6	171.7
-40°	1362.7	911.3	692.8	582.6	503.5	434.8	380.6	333.1	288.9	229.2	171.2
-42.5°	959.3	758.2	614.3	530.9	468.5	409.1	357.9	315.5	277.8	226.8	169.2
-45°	791.6	635.5	556.0	492.1	433.6	381.7	337.9	297.8	264.5	222.8	164.1
-47.5°	644.9	569.8	506.4	452.8	401.2	354.3	317.4	281.7	250.2	216.7	154.9
-50°	571.3	512.0	463.9	414.8	367.0	331.5	296.8	264.5	234.5	202.5	144.0
-52.5°	507.7	466.7	421.1	375.7	338.8	308.4	276.0	246.2	218.6	184.4	131.5
-55°	455.6	419.6	376.9	340.4	310.1	283.3	254.0	228.9	202.7	164.5	118.1
-57.5°	401.8	369.4	335.8	305.8	280.4	256.3	234.0	211.6	182.2	144.5	109.0
-60°	348.2	321.7	294.7	272.1	250.5	231.1	215.6	192.5	160.5	125.4	97.3
-62.5°	295.2	274.6	258.0	239.0	220.9	207.2	196.3	169.5	138.8	109.7	84.4
-65°	247.2	234.5	221.6	204.0	190.7	181.7	171.5	146.8	118.7	93.2	71.4
-67.5°	203.1	192.5	178.8	166.8	162.4	156.1	146.1	122.9	98.1	76.0	59.3
-70°	160.2	149.6	142.5	141.2	137.9	130.6	117.5	97.8	76.7	61.9	47.1
-72.5°	119.4	116.6	117.5	118.1	111.6	101.8	88.7	73.4	60.7	47.7	34.6
-75°	78.9	86.1	91.6	91.5	84.0	73.9	65.0	55.6	44.6	33.4	26.3
-77.5°	57.6	63.1	66.5	65.2	58.1	51.2	44.6	37.6	30.2	24.7	19.4
-80°	37.8	39.9	39.9	37.5	32.9	28.5	27.4	25.2	20.8	16.5	12.4
-82.5°	18.2	18.4	18.5	18.3	18.1	17.4	16.3	14.5	11.3	8.3	6.9
-85°	9.4	9.2	8.6	7.8	7.3	6.4	6.5	6.5	5.9	5.3	4.6
-87.5°	3.4	3.3	3.1	2.9	3.1	3.2	3.3	3.3	2.9	2.6	2.3
-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°	2.0	1.7	1.3	1.0	0.7	0.3	0.0
85°	4.0	3.3	2.7	2.0	1.3	0.7	0.0
82.5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
80°	8.4	6.6	5.3	4.0	2.7	1.3	0.0
77.5°	14.2	9.2	6.6	5.0	3.3	1.7	0.0
75°	19.8	13.2	8.2	6.0	4.0	2.0	0.0
72.5°	25.2	17.2	10.9	6.9	4.6	2.3	0.0
70°	31.1	21.0	13.5	8.0	5.3	2.6	0.0
67.5°	40.5	24.6	16.0	9.6	5.9	2.9	0.0
65°	49.4	29.4	18.3	11.0	6.5	3.3	0.0
62.5°	57.6	35.2	20.6	12.5	7.1	3.6	0.0
60°	65.2	40.6	22.6	13.8	7.7	3.8	0.0
57.5°	72.7	45.4	25.8	15.0	8.5	4.1	0.0
55°	79.5	49.7	28.7	16.2	9.2	4.4	0.0
52.5°	85.3	53.5	31.2	17.2	9.9	4.7	0.0
50°	90.2	57.0	33.4	18.1	10.6	4.9	0.0
47.5°	94.7	59.9	35.2	19.0	11.3	5.2	0.0
45°	102.3	62.0	36.6	20.1	12.0	5.4	0.0
42.5°	108.7	63.4	37.7	20.9	12.6	5.7	0.0
40°	113.8	64.1	38.4	21.8	13.2	5.9	0.0
37.5°	117.6	64.1	38.6	22.9	13.7	6.1	0.0
35°	120.2	65.6	38.5	23.9	14.3	6.3	0.0
32.5°	120.7	67.3	38.0	24.8	14.8	6.5	0.0
30°	118.4	68.2	37.0	25.7	15.2	6.7	0.0
27.5°	115.2	68.2	38.0	26.5	15.7	6.8	0.0
25°	111.0	67.4	39.1	27.3	16.1	7.0	0.0
22.5°	106.0	67.4	40.2	27.9	16.4	7.1	0.0
20°	100.1	70.6	41.2	28.6	16.8	7.2	0.0
17.5°	99.1	73.4	42.1	29.1	17.0	7.3	0.0
15°	101.1	75.8	43.0	29.6	17.3	7.4	0.0
12.5°	102.9	77.8	43.8	30.0	17.5	7.5	0.0
10°	104.4	79.4	44.5	30.3	17.7	7.6	0.0
7.5°	105.8	80.7	45.1	30.6	17.8	7.6	0.0
5°	106.8	81.6	45.6	30.8	17.9	7.7	0.0
2.5°	107.6	82.1	46.0	30.9	18.0	7.7	0.0
0°	108.1	82.3	46.3	30.9	18.0	7.7	0.0
-2.5°	107.6	82.1	46.0	30.9	18.0	7.7	0.0
-5°	106.8	81.6	45.6	30.8	17.9	7.7	0.0
-7.5°	105.8	80.7	45.1	30.6	17.8	7.6	0.0
-10°	104.4	79.4	44.5	30.3	17.7	7.6	0.0
-12.5°	102.9	77.8	43.8	30.0	17.5	7.5	0.0
-15°	101.1	75.8	43.0	29.6	17.3	7.4	0.0
-17.5°	99.1	73.4	42.1	29.1	17.0	7.3	0.0
-20°	100.1	70.6	41.2	28.6	16.8	7.2	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	106.0	67.4	40.2	27.9	16.4	7.1	0.0
-25°	111.0	67.4	39.1	27.3	16.1	7.0	0.0
-27.5°	115.2	68.2	38.0	26.5	15.7	6.8	0.0
-30°	118.4	68.2	37.0	25.7	15.2	6.7	0.0
-32.5°	120.7	67.3	38.0	24.8	14.8	6.5	0.0
-35°	120.2	65.6	38.5	23.9	14.3	6.3	0.0
-37.5°	117.6	64.1	38.6	22.9	13.7	6.1	0.0
-40°	113.8	64.1	38.4	21.8	13.2	5.9	0.0
-42.5°	108.7	63.4	37.7	20.9	12.6	5.7	0.0
-45°	102.3	62.0	36.6	20.1	12.0	5.4	0.0
-47.5°	94.7	59.9	35.2	19.0	11.3	5.2	0.0
-50°	90.2	57.0	33.4	18.1	10.6	4.9	0.0
-52.5°	85.3	53.5	31.2	17.2	9.9	4.7	0.0
-55°	79.5	49.7	28.7	16.2	9.2	4.4	0.0
-57.5°	72.7	45.4	25.8	15.0	8.5	4.1	0.0
-60°	65.2	40.6	22.6	13.8	7.7	3.8	0.0
-62.5°	57.6	35.2	20.6	12.5	7.1	3.6	0.0
-65°	49.4	29.4	18.3	11.0	6.5	3.3	0.0
-67.5°	40.5	24.6	16.0	9.6	5.9	2.9	0.0
-70°	31.1	21.0	13.5	8.0	5.3	2.6	0.0
-72.5°	25.2	17.2	10.9	6.9	4.6	2.3	0.0
-75°	19.8	13.2	8.2	6.0	4.0	2.0	0.0
-77.5°	14.2	9.2	6.6	5.0	3.3	1.7	0.0
-80°	8.4	6.6	5.3	4.0	2.7	1.3	0.0
-82.5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
-85°	4.0	3.3	2.7	2.0	1.3	0.7	0.0
-87.5°	2.0	1.7	1.3	1.0	0.7	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)