

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: P559066 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-940-U-WAF-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559066 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/20/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GFLD-SA5C-940-U-WAF-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE ASYMMETRICAL FLOOD 6x7  
Light Source: (80) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

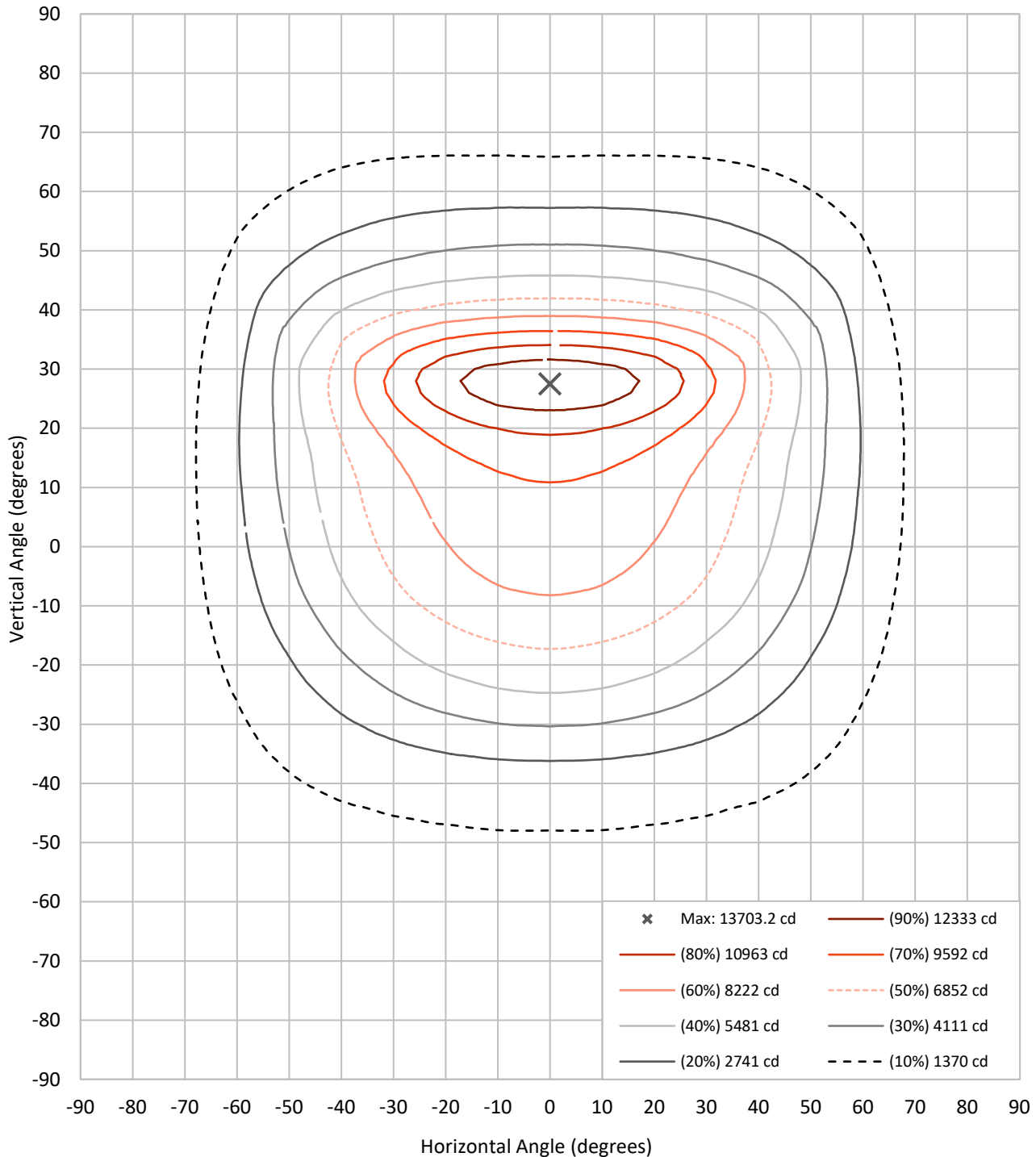
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 6V
Luminaire Lumens:	19976.9 lumens	Max Intensity:	13703.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 27.5°V
Efficacy:	99.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	85°H x 59.2°V	Field Angle (10%):	134.5°H x 113.8°V
Beam Lumens:	10382 lumens	Field Lumens:	18480.4 lumens
Beam Efficiency:	52.0%	Field Efficiency:	92.5%
Input Watts (W):	201		
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





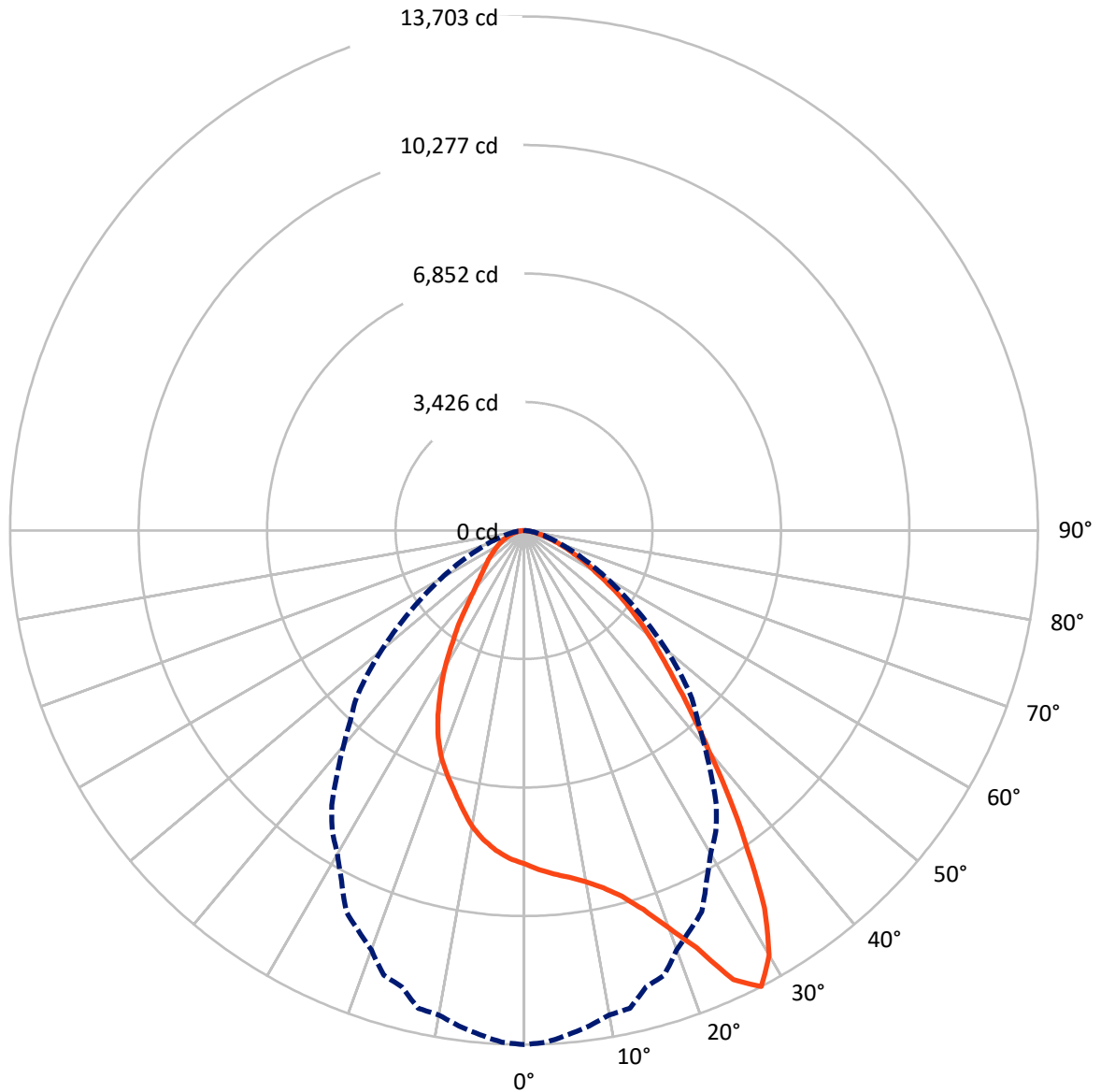
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### Lumen Table

90																			
80	1.4	12.0	29.9	39.2	40.6	39.2	29.9	12.0	1.4										
70																			
60	5.4	6.7	14.9	25.2	34.5	41.2	44.9	46.1	46.1	44.9	41.2	34.5	25.2	14.9	6.7	5.4			
50		11.1	27.2	46.9	66.4	82.5	93.2	98.1	98.1	93.2	82.5	66.4	46.9	27.2	11.1				
40	9.6	16.1	43.7	80.1	116.2	145.7	165.8	176.1	176.1	165.8	145.7	116.2	80.1	43.7	16.1	9.6			
30		20.5	59.5	119.5	188.3	248.8	291.9	313.6	313.6	291.9	248.8	188.3	119.5	59.5	20.5				
20	12.1	23.1	65.0	133.1	213.2	290.6	350.4	382.7	382.7	350.4	290.6	213.2	133.1	65.0	23.1	12.1			
10		23.8	64.1	122.2	185.8	242.9	285.1	307.0	307.0	285.1	242.9	185.8	122.2	64.1	23.8				
0	12.1	22.9	60.1	113.4	170.6	221.1	258.4	276.8	276.8	258.4	221.1	170.6	113.4	60.1	22.9	12.1			
-10		20.6	53.0	101.1	154.5	202.3	237.4	255.6	255.6	237.4	202.3	154.5	101.1	53.0	20.6				
-20	10.1	17.5	42.7	81.0	126.2	168.3	199.8	216.4	216.4	199.8	168.3	126.2	81.0	42.7	17.5	10.1			
-30		14.1	31.9	58.1	89.8	122.1	147.0	161.5	161.5	147.0	122.1	89.8	58.1	31.9	14.1				
-40	7.2	11.0	23.1	38.6	55.5	71.6	84.4	91.5	91.5	84.4	71.6	55.5	38.6	23.1	11.0	7.2			
-50		8.3	16.3	25.1	33.4	40.7	45.9	48.5	48.5	45.9	40.7	33.4	25.1	16.3	8.3				
-60	4.1	6.0	11.2	16.6	21.6	26.1	29.4	30.9	30.9	29.4	26.1	21.6	16.6	11.2	6.0	4.1			
-70		3.9	7.3	10.7	13.8	16.4	18.1	18.9	18.9	18.1	16.4	13.8	10.7	7.3	3.9				
-80	1.3	8.1	17.2	23.2	25.0	23.2	17.2	8.1	1.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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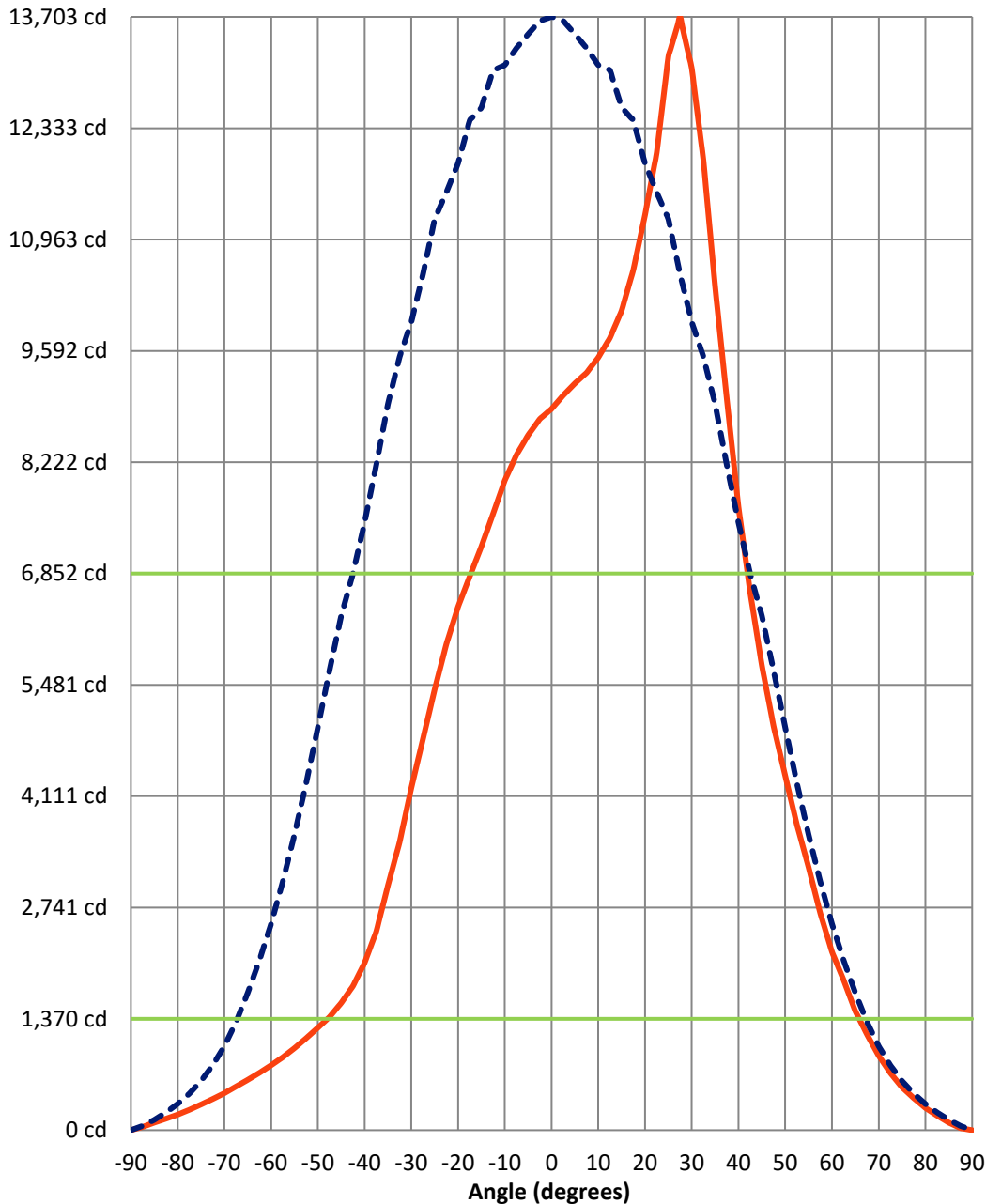
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 27.5-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 85°  
 V Angle: 59.2°  
 Lumens: 10382  
 Efficiency: 52.0%

**Field:**  
 H Angle: 134.5°  
 V Angle: 113.8°  
 Lumens: 18480.4  
 Efficiency: 92.5%

**Spill:**  
 Lumens: 1496.5  
 Efficiency: 7.5%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 27.5-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	2.6	5.3	7.9	10.4	12.9	15.3	17.6	19.8	22.0	24.0
85°	0.0	5.2	10.6	15.8	20.8	25.7	30.5	35.1	39.6	43.9	48.1
82.5°	0.0	7.8	15.9	23.7	31.2	38.6	45.7	52.6	60.6	73.8	87.6
80°	0.0	10.4	21.2	31.5	41.5	51.3	62.2	79.5	97.6	116.4	135.9
77.5°	0.0	13.0	26.4	39.2	51.8	66.9	88.3	110.8	134.2	158.5	186.8
75°	0.0	15.5	31.6	46.9	63.0	87.8	114.1	141.7	171.3	208.7	247.1
72.5°	0.0	18.0	36.6	54.6	78.9	108.3	139.5	174.4	217.3	261.3	306.4
70°	0.0	20.5	41.7	62.8	94.6	128.5	165.4	213.3	262.5	313.1	372.3
67.5°	0.0	22.9	46.6	74.0	109.9	148.2	197.0	251.4	306.9	372.6	438.8
65°	0.0	25.3	51.4	84.9	124.9	170.1	227.8	288.6	358.3	430.9	507.8
62.5°	0.0	27.7	56.2	95.5	139.5	194.0	257.5	330.0	408.5	489.7	583.7
60°	0.0	29.9	60.8	105.9	153.6	217.0	286.1	372.4	457.3	554.6	657.2
57.5°	0.0	32.2	67.3	115.9	170.6	239.2	318.5	413.2	510.4	617.2	741.1
55°	0.0	34.3	73.6	125.6	187.1	260.4	349.9	451.1	562.9	680.4	827.0
52.5°	0.0	36.4	79.8	135.0	202.8	281.2	379.7	491.4	613.1	751.3	908.0
50°	0.0	38.4	85.7	143.9	217.8	304.0	407.7	529.7	663.7	817.8	1004.8
47.5°	0.0	40.4	91.4	153.0	232.0	325.4	434.4	565.3	717.7	879.8	1097.2
45°	0.0	42.2	96.8	162.9	245.4	345.4	462.3	598.2	764.7	954.7	1182.2
42.5°	0.0	44.0	102.1	172.3	257.9	363.9	488.0	632.7	807.9	1023.7	1277.9
40°	0.0	45.7	107.0	181.3	270.6	380.9	511.4	667.2	851.5	1085.8	1367.5
37.5°	0.0	47.3	111.7	189.7	283.2	396.4	532.6	698.6	898.5	1142.6	1447.7
35°	0.0	48.8	116.1	197.7	294.8	411.8	551.4	726.7	940.0	1203.0	1523.4
32.5°	0.0	50.2	120.2	205.0	305.2	426.3	569.5	751.6	975.8	1254.6	1590.7
30°	0.0	51.5	124.1	211.8	314.6	439.0	588.9	774.7	1005.9	1297.5	1646.6
27.5°	0.0	52.8	127.6	218.0	323.4	450.0	605.7	798.7	1034.0	1331.8	1691.0
25°	0.0	53.9	130.8	223.6	331.2	459.2	619.9	818.3	1061.3	1363.4	1724.4
22.5°	0.0	54.9	133.7	228.7	337.9	467.3	631.4	833.6	1081.9	1388.9	1752.9
20°	0.0	55.8	136.3	233.1	343.5	475.3	640.4	844.6	1095.8	1405.4	1771.3
17.5°	0.0	56.6	138.6	236.9	348.1	481.8	648.5	851.5	1103.5	1413.2	1779.8
15°	0.0	57.3	140.6	240.1	351.6	487.0	655.0	856.3	1105.0	1412.7	1778.6
12.5°	0.0	57.8	142.2	242.7	354.0	490.8	659.0	859.8	1105.0	1404.2	1768.1
10°	0.0	58.3	143.5	244.7	355.5	493.2	660.6	860.1	1103.2	1400.0	1752.0
7.5°	0.0	58.6	144.5	246.0	356.0	494.2	659.9	857.1	1096.7	1391.1	1734.1
5°	0.0	58.9	145.1	246.8	355.5	493.8	657.0	851.1	1085.8	1376.4	1707.5
2.5°	0.0	59.0	145.4	247.0	354.2	492.1	652.0	842.2	1070.7	1355.9	1673.0
0°	0.0	59.0	145.4	246.6	352.0	489.0	645.0	830.5	1051.8	1330.1	1631.5
-2.5°	0.0	59.1	145.1	245.5	350.3	484.4	637.6	818.3	1033.2	1301.5	1589.7
-5°	0.0	59.0	144.4	243.8	347.8	478.5	628.5	803.7	1011.4	1268.2	1542.5
-7.5°	0.0	58.9	143.4	241.5	344.5	471.5	617.6	786.8	986.5	1230.9	1490.5
-10°	0.0	58.6	142.1	238.8	340.4	463.4	605.2	768.0	958.8	1189.9	1434.5
-12.5°	0.0	58.3	140.5	235.4	335.6	454.2	591.3	747.2	928.7	1146.3	1379.5
-15°	0.0	57.8	138.6	231.6	330.0	444.2	576.0	724.8	897.8	1103.3	1323.3
-17.5°	0.0	57.2	136.4	227.3	323.6	433.3	559.4	702.4	867.0	1057.9	1264.2
-20°	0.0	56.5	134.0	222.5	316.5	421.6	542.1	679.7	834.4	1010.5	1202.8



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 CATALOG NUMBER: GFLD-SA5C-940-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	55.6	131.2	217.2	308.8	409.3	524.8	655.4	800.4	961.5	1139.5
-25°	0.0	54.7	128.2	211.5	300.3	396.9	506.5	629.6	765.2	911.3	1074.6
-27.5°	0.0	53.6	125.0	205.4	291.2	384.1	487.2	602.4	729.0	862.6	1013.1
-30°	0.0	52.5	121.5	198.8	281.4	370.4	467.1	574.0	694.1	818.2	951.7
-32.5°	0.0	51.2	117.8	191.9	271.3	355.9	446.2	547.6	659.2	773.6	890.6
-35°	0.0	49.8	113.9	184.5	260.7	340.7	426.7	521.4	623.4	729.0	830.1
-37.5°	0.0	48.3	109.7	176.9	249.6	325.5	407.3	494.7	586.6	684.6	780.2
-40°	0.0	46.7	105.4	168.8	238.0	310.8	387.3	467.5	549.0	641.3	732.9
-42.5°	0.0	45.1	100.8	160.5	226.4	295.6	366.6	440.0	515.2	599.5	684.7
-45°	0.0	43.3	96.1	152.0	215.0	279.9	345.3	413.4	483.3	557.7	636.2
-47.5°	0.0	41.4	91.2	143.0	203.1	263.8	323.4	387.9	451.5	515.8	589.9
-50°	0.0	39.5	86.1	135.1	190.8	247.3	303.4	361.9	420.1	480.6	543.8
-52.5°	0.0	37.4	80.9	127.2	178.2	230.4	283.3	335.4	389.6	444.7	498.6
-55°	0.0	35.3	75.5	119.2	165.2	214.1	263.0	308.9	359.4	408.3	458.5
-57.5°	0.0	33.1	70.0	110.9	151.8	197.6	242.3	285.3	328.6	373.5	417.9
-60°	0.0	30.9	64.4	102.4	138.3	180.7	221.5	261.4	298.2	338.8	377.8
-62.5°	0.0	28.5	59.6	93.7	126.8	163.5	201.1	237.1	270.9	303.8	339.6
-65°	0.0	26.1	54.6	84.8	115.1	146.0	180.4	212.7	243.2	272.2	301.0
-67.5°	0.0	23.7	49.6	75.8	103.2	129.8	159.4	188.7	215.2	241.3	265.8
-70°	0.0	21.2	44.4	66.6	91.2	114.9	138.2	164.5	188.5	210.2	231.9
-72.5°	0.0	18.6	39.1	58.3	78.9	99.8	119.9	140.1	161.6	181.0	198.4
-75°	0.0	16.1	33.7	50.2	66.6	84.6	101.9	118.6	134.7	151.9	167.3
-77.5°	0.0	13.4	28.2	42.0	55.4	69.2	83.7	97.9	111.2	123.8	136.3
-80°	0.0	10.8	22.6	33.7	44.4	54.9	65.4	77.1	88.1	98.4	108.0
-82.5°	0.0	8.1	17.0	25.3	33.4	41.3	49.0	56.9	64.8	72.9	80.6
-85°	0.0	5.4	11.4	16.9	22.3	27.6	32.7	38.0	43.2	48.3	53.4
-87.5°	0.0	2.7	5.7	8.5	11.2	13.8	16.4	19.0	21.6	24.2	26.7
-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°	25.3	26.4	27.2	27.8	28.9	29.8	30.6	31.3	31.9	32.3	32.6
85°	50.6	52.7	59.0	64.9	71.1	76.8	81.8	86.2	89.7	92.7	94.9
82.5°	98.9	109.5	119.5	128.9	137.5	145.2	152.6	161.0	167.9	173.6	178.3
80°	151.7	166.1	183.7	200.1	214.9	228.5	240.8	252.0	260.6	269.3	277.8
77.5°	213.2	236.6	258.3	278.4	297.8	320.4	341.3	360.5	375.3	386.5	395.1
75°	279.4	307.1	338.8	370.2	399.7	426.8	453.2	485.3	511.5	531.2	546.9
72.5°	350.0	389.8	428.6	466.2	509.5	551.6	592.5	632.0	666.7	692.2	712.8
70°	426.3	472.5	526.1	580.3	632.4	685.3	741.7	792.9	835.4	865.4	894.0
67.5°	504.2	569.2	632.6	697.8	771.6	838.9	900.4	965.4	1022.6	1060.2	1093.1
65°	594.1	666.8	751.4	837.9	918.9	1002.9	1080.7	1151.1	1223.3	1275.8	1318.9
62.5°	680.9	783.2	883.0	984.1	1086.0	1177.3	1278.9	1369.5	1442.1	1517.2	1581.5
60°	783.9	905.4	1027.8	1149.8	1263.8	1392.1	1503.4	1608.7	1705.8	1789.4	1868.6
57.5°	886.8	1043.6	1188.4	1331.5	1482.3	1619.5	1750.4	1868.4	1984.4	2081.3	2176.3
55°	994.9	1196.8	1363.9	1540.7	1706.6	1861.6	2008.7	2156.4	2280.1	2413.5	2529.6
52.5°	1114.9	1345.6	1561.6	1756.2	1943.2	2122.0	2297.9	2475.7	2649.3	2787.7	2919.0
50°	1227.1	1502.0	1761.9	1983.9	2198.9	2411.2	2631.1	2853.3	3044.6	3202.9	3339.6
47.5°	1350.7	1647.4	1977.5	2223.2	2481.1	2744.2	3011.1	3256.5	3465.1	3680.4	3831.2
45°	1471.0	1794.5	2152.6	2493.5	2792.0	3110.6	3404.6	3675.4	3977.5	4212.6	4414.3
42.5°	1580.9	1933.8	2332.5	2766.4	3139.5	3481.5	3799.7	4180.6	4527.7	4802.6	5054.1
40°	1693.9	2060.6	2496.1	3019.8	3486.2	3851.1	4238.4	4659.4	5111.2	5449.4	5750.1
37.5°	1797.3	2190.4	2645.7	3213.3	3827.4	4228.6	4656.9	5113.6	5628.7	6137.4	6498.9
35°	1888.7	2300.2	2794.2	3370.6	3999.3	4594.5	5047.4	5533.8	6097.5	6757.7	7251.3
32.5°	1971.7	2389.9	2911.9	3493.3	4131.2	4829.0	5403.6	5903.0	6468.6	7149.7	7988.0
30°	2039.3	2476.7	2999.7	3582.0	4221.7	4916.7	5646.5	6190.6	6727.3	7395.8	8176.0
27.5°	2090.6	2540.4	3060.1	3637.4	4270.1	4957.4	5659.4	6330.6	6850.2	7479.2	8188.7
25°	2129.9	2592.6	3092.1	3657.9	4277.2	4939.5	5615.0	6250.2	6833.5	7388.1	8024.8
22.5°	2162.5	2628.6	3127.1	3644.1	4245.0	4875.9	5511.3	6116.8	6681.4	7200.6	7748.3
20°	2187.0	2651.6	3144.8	3657.7	4190.8	4772.6	5380.2	5956.6	6501.9	7004.6	7450.4
17.5°	2198.0	2658.4	3144.8	3655.1	4181.7	4690.6	5219.7	5773.6	6309.8	6809.2	7249.6
15°	2196.0	2649.5	3127.6	3635.6	4154.3	4658.4	5145.8	5602.9	6102.1	6607.0	7045.8
12.5°	2181.5	2625.5	3093.5	3599.2	4109.8	4607.9	5086.5	5545.4	5993.0	6415.9	6835.4
10°	2155.0	2587.2	3043.5	3546.1	4048.2	4538.9	5011.4	5471.8	5914.8	6329.9	6720.6
7.5°	2127.9	2544.3	2983.4	3476.6	3969.6	4451.7	4919.9	5381.2	5815.5	6229.8	6624.3
5°	2092.0	2498.9	2937.5	3410.0	3885.2	4355.6	4813.7	5272.7	5695.5	6113.6	6509.7
2.5°	2046.4	2442.4	2879.6	3329.3	3790.7	4256.1	4698.8	5149.3	5582.9	5984.7	6374.9
0°	1991.9	2375.6	2809.8	3233.5	3680.3	4139.8	4565.6	5006.2	5457.3	5836.7	6218.2
-2.5°	1932.6	2295.5	2708.0	3129.5	3561.4	4012.1	4448.6	4866.3	5307.4	5690.9	6080.6
-5°	1866.0	2207.1	2595.5	3012.3	3428.5	3867.8	4312.6	4709.6	5131.1	5510.3	5893.5
-7.5°	1793.3	2111.6	2473.9	2880.6	3277.1	3691.5	4112.7	4494.7	4904.3	5279.5	5652.8
-10°	1716.6	2017.5	2355.6	2731.8	3105.6	3491.8	3887.4	4261.5	4655.4	5029.0	5388.2
-12.5°	1643.1	1924.6	2233.7	2575.7	2924.6	3281.4	3649.4	4010.5	4384.2	4759.6	5095.4
-15°	1566.1	1827.1	2107.8	2414.4	2735.6	3062.2	3400.1	3741.9	4092.6	4459.8	4770.1
-17.5°	1486.3	1725.7	1979.3	2249.4	2540.0	2835.7	3146.3	3476.3	3797.2	4131.7	4431.8
-20°	1404.8	1621.3	1849.7	2082.5	2340.7	2624.2	2914.8	3210.8	3502.5	3793.8	4075.6



REPORT NUMBER: P559066 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-940-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1322.1	1514.7	1722.5	1927.4	2173.0	2429.0	2683.9	2940.9	3202.5	3453.4	3720.0
-25°	1242.3	1415.8	1599.3	1798.4	2009.2	2234.9	2454.1	2671.2	2903.2	3138.4	3367.9
-27.5°	1165.2	1318.4	1491.7	1669.2	1844.8	2045.7	2237.4	2421.6	2624.1	2831.4	3016.8
-30°	1088.1	1233.5	1385.2	1542.8	1697.3	1865.0	2030.8	2192.3	2357.2	2534.9	2695.4
-32.5°	1016.5	1149.3	1287.3	1425.5	1556.6	1686.6	1839.9	1983.3	2118.3	2244.8	2385.0
-35°	951.1	1072.8	1192.9	1311.9	1420.0	1534.3	1662.4	1783.3	1891.6	1993.2	2100.3
-37.5°	889.3	997.7	1098.9	1205.3	1301.3	1399.2	1493.5	1598.1	1685.9	1767.1	1855.0
-40°	827.4	924.3	1015.4	1104.3	1192.4	1274.2	1354.6	1425.8	1496.5	1574.5	1634.9
-42.5°	766.5	856.5	938.0	1006.3	1089.3	1159.8	1222.2	1281.2	1339.0	1399.9	1448.3
-45°	712.8	789.4	863.7	929.1	991.3	1051.4	1104.4	1150.8	1205.5	1247.7	1284.3
-47.5°	658.5	724.9	792.8	853.2	905.2	954.0	993.5	1040.0	1084.8	1121.1	1142.4
-50°	605.1	665.8	723.4	779.6	826.7	866.0	900.0	938.2	975.5	1006.3	1026.7
-52.5°	555.9	606.6	660.0	707.8	751.3	786.4	818.8	852.1	879.4	900.5	927.2
-55°	507.3	554.0	598.5	641.5	678.7	710.9	742.6	772.2	795.5	813.8	835.8
-57.5°	461.7	503.8	542.6	578.7	612.1	639.7	670.6	695.9	717.7	734.7	757.4
-60°	417.1	454.9	490.2	521.6	549.0	576.3	601.5	624.7	643.7	660.6	681.4
-62.5°	372.9	407.0	438.8	467.7	492.6	515.2	537.9	557.7	573.5	591.1	608.4
-65°	331.5	360.2	388.1	414.4	437.9	459.4	478.1	494.1	509.0	524.6	538.5
-67.5°	290.2	317.0	340.4	361.3	383.0	403.8	421.1	435.9	448.4	461.1	472.8
-70°	253.2	274.5	295.9	314.7	331.2	348.6	365.5	379.4	390.5	400.5	410.0
-72.5°	216.9	235.8	253.3	269.6	284.6	298.5	311.8	324.4	334.8	342.6	349.4
-75°	182.4	197.0	212.2	226.4	238.6	249.4	259.6	269.7	278.1	284.8	290.3
-77.5°	149.3	161.6	173.3	184.2	193.0	201.5	209.5	216.8	223.2	228.3	232.0
-80°	117.2	126.2	135.6	144.5	151.3	157.1	162.2	166.5	171.3	176.2	180.4
-82.5°	87.2	93.7	99.9	106.0	110.8	114.8	118.2	121.6	125.0	128.2	131.0
-85°	57.4	61.1	64.9	68.6	72.2	75.4	78.2	80.5	82.4	84.0	85.3
-87.5°	28.7	30.5	32.3	33.8	35.6	37.2	38.8	40.2	41.2	42.0	42.6
-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: P559066 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-940-U-WAF-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°	32.8	32.9	32.8	32.7	32.5	31.1	29.7	28.1	26.5	27.3	28.0
85°	96.6	97.0	96.7	95.7	94.2	94.1	93.8	93.2	92.3	93.7	94.9
82.5°	181.9	183.2	183.4	182.6	180.7	181.5	181.8	181.5	180.4	181.7	182.5
80°	284.2	286.9	287.1	285.1	281.3	281.8	282.1	281.3	279.4	279.9	279.7
77.5°	404.9	411.1	413.3	412.4	408.6	407.4	404.7	399.1	391.0	390.9	391.1
75°	558.8	565.2	568.6	568.3	564.6	562.1	558.6	552.3	543.2	542.8	542.9
72.5°	728.7	738.1	742.3	746.1	746.1	744.7	740.1	730.7	716.7	715.1	716.7
70°	916.3	932.1	942.1	949.8	955.9	957.2	954.2	946.6	934.4	931.1	930.1
67.5°	1125.3	1150.6	1169.6	1182.4	1194.3	1202.9	1206.2	1202.8	1192.9	1189.6	1190.9
65°	1359.5	1398.4	1430.6	1454.7	1470.8	1482.2	1492.2	1498.1	1499.6	1503.1	1507.7
62.5°	1633.1	1680.9	1725.6	1756.1	1771.8	1782.9	1815.0	1833.5	1838.8	1840.0	1847.1
60°	1938.5	1999.0	2054.8	2099.6	2135.9	2163.2	2190.6	2208.7	2215.5	2216.8	2226.6
57.5°	2272.6	2348.5	2413.9	2483.3	2531.7	2559.7	2596.3	2633.9	2653.6	2659.2	2682.3
55°	2642.1	2745.8	2830.5	2904.7	2972.3	3031.8	3082.0	3120.9	3149.6	3166.8	3197.5
52.5°	3050.8	3172.6	3261.2	3348.3	3445.3	3513.6	3558.3	3630.1	3682.0	3710.6	3747.2
50°	3499.6	3635.2	3755.9	3847.3	3960.1	4053.4	4121.4	4189.4	4236.9	4264.2	4299.6
47.5°	4010.3	4177.4	4317.5	4402.2	4533.1	4643.0	4687.4	4738.7	4828.3	4871.3	4909.2
45°	4585.4	4798.5	4954.2	5086.7	5199.3	5322.6	5403.4	5461.7	5549.9	5594.2	5622.2
42.5°	5269.7	5506.8	5711.8	5871.0	5965.6	6125.5	6242.3	6275.0	6400.1	6484.9	6509.9
40°	6037.1	6299.9	6570.4	6751.9	6904.2	7066.6	7259.1	7366.2	7472.0	7555.1	7574.0
37.5°	6836.8	7188.7	7497.4	7731.6	7983.4	8223.0	8427.0	8538.3	8607.7	8766.7	8826.1
35°	7649.8	8012.9	8445.3	8809.3	9114.4	9410.3	9643.1	9826.4	10000.9	10144.1	10229.9
32.5°	8342.2	8732.8	9266.8	9811.7	10141.2	10461.6	10844.0	11053.6	11286.5	11475.2	11613.0
30°	8911.1	9282.5	9768.6	10452.5	10903.5	11228.3	11712.2	12002.2	12255.8	12575.6	12686.9
27.5°	8938.0	9518.6	9948.4	10537.4	11214.3	11544.0	11902.1	12429.1	12589.0	13045.0	13110.7
25°	8703.4	9313.0	9754.7	10246.3	10809.1	11210.2	11537.3	11975.5	12204.9	12498.2	12723.4
22.5°	8336.5	8873.7	9324.3	9741.1	10180.4	10545.5	10844.5	11152.5	11404.3	11631.9	11843.2
20°	7931.2	8441.2	8868.5	9227.0	9575.1	9913.6	10182.5	10441.2	10659.0	10854.3	10974.6
17.5°	7645.8	8012.7	8449.3	8816.5	9118.3	9384.0	9662.2	9878.7	10069.8	10245.5	10355.5
15°	7451.0	7799.8	8110.7	8447.7	8765.7	9019.0	9228.4	9451.9	9617.0	9768.3	9887.5
12.5°	7248.7	7608.2	7933.5	8214.2	8463.1	8739.7	8963.6	9139.3	9312.5	9431.4	9553.8
10°	7079.8	7416.1	7753.5	8049.9	8311.8	8539.8	8751.7	8948.8	9104.3	9237.6	9334.0
7.5°	6981.7	7311.5	7614.8	7899.1	8154.5	8397.4	8616.0	8796.7	8950.8	9088.7	9189.7
5°	6868.0	7194.5	7497.2	7787.8	8033.1	8266.5	8484.2	8670.1	8829.6	8952.5	9049.1
2.5°	6737.7	7059.7	7361.7	7657.1	7902.3	8127.3	8333.4	8514.7	8680.9	8798.0	8880.2
0°	6589.2	6911.7	7206.8	7485.0	7731.6	7974.0	8163.8	8347.1	8509.4	8625.4	8707.6
-2.5°	6439.4	6759.9	7065.3	7332.0	7576.7	7800.5	8002.5	8175.7	8330.7	8446.1	8518.3
-5°	6240.3	6558.8	6860.3	7129.0	7384.6	7609.3	7805.6	7981.7	8131.1	8257.0	8354.8
-7.5°	5999.2	6321.3	6622.5	6896.8	7151.2	7363.6	7552.1	7729.5	7888.9	8026.5	8146.9
-10°	5734.1	6052.7	6337.2	6594.1	6831.3	7047.1	7247.7	7423.0	7569.1	7703.7	7805.1
-12.5°	5425.4	5720.3	5998.7	6251.9	6483.7	6699.9	6890.6	7057.6	7204.6	7324.0	7415.4
-15°	5084.7	5364.7	5628.3	5887.2	6129.9	6342.7	6510.5	6686.5	6813.9	6929.8	7012.1
-17.5°	4720.2	4990.9	5268.2	5527.7	5751.7	5961.7	6146.3	6307.2	6440.9	6547.2	6640.0
-20°	4350.8	4626.6	4893.4	5140.7	5356.2	5550.8	5737.8	5892.3	6029.3	6144.9	6253.8



REPORT NUMBER: P559066 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-940-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3979.8	4232.7	4483.2	4725.2	4928.9	5113.0	5276.6	5424.4	5545.4	5681.6	5777.8
-25°	3598.7	3820.3	4046.5	4260.2	4452.9	4633.8	4782.1	4911.7	5037.8	5169.4	5263.1
-27.5°	3215.8	3411.7	3595.4	3784.5	3953.4	4110.0	4247.7	4361.1	4483.5	4571.4	4674.4
-30°	2837.0	3014.8	3168.0	3299.6	3458.3	3592.8	3699.9	3812.6	3913.7	3997.6	4084.5
-32.5°	2516.4	2637.9	2760.2	2870.2	2975.8	3086.4	3172.7	3271.0	3340.4	3412.7	3482.8
-35°	2208.2	2301.8	2383.0	2485.9	2565.0	2625.2	2697.2	2769.4	2797.1	2875.7	2917.6
-37.5°	1929.1	1990.5	2066.3	2138.0	2196.7	2241.7	2305.8	2343.6	2363.5	2414.4	2441.6
-40°	1690.2	1729.0	1799.7	1848.7	1884.0	1916.7	1970.0	1994.5	2021.7	2046.9	2047.7
-42.5°	1480.0	1530.0	1577.9	1616.4	1638.7	1675.9	1701.0	1703.8	1739.0	1761.4	1764.9
-45°	1308.2	1358.9	1396.9	1425.2	1447.4	1479.4	1495.6	1504.7	1533.3	1548.6	1555.3
-47.5°	1176.1	1211.6	1244.5	1266.3	1295.5	1319.2	1331.0	1346.1	1368.2	1382.2	1392.2
-50°	1060.0	1088.1	1113.1	1133.1	1162.2	1183.3	1194.7	1213.2	1229.7	1239.8	1247.7
-52.5°	957.9	983.0	1000.4	1019.8	1043.9	1062.6	1077.0	1095.4	1109.1	1118.0	1125.0
-55°	862.3	885.9	902.9	924.0	941.3	953.8	966.1	984.1	997.5	1006.6	1012.6
-57.5°	778.0	795.7	812.4	831.5	848.0	861.6	872.6	882.5	891.4	898.8	904.6
-60°	699.0	713.4	728.7	743.7	756.1	765.9	777.7	786.7	792.4	796.0	800.8
-62.5°	623.1	636.1	649.5	661.6	671.5	679.8	689.3	696.7	702.0	705.8	708.5
-65°	550.9	562.1	573.5	583.6	592.1	599.3	606.0	611.2	614.9	618.1	620.5
-67.5°	483.4	492.3	500.2	507.2	513.6	519.7	525.6	529.6	531.8	534.3	536.9
-70°	418.3	425.2	430.6	434.7	438.5	443.3	449.0	453.0	455.3	457.8	460.1
-72.5°	355.2	360.4	364.7	368.2	370.3	373.4	377.3	380.5	382.9	384.8	385.7
-75°	294.6	298.8	302.6	305.3	306.9	309.1	311.1	312.1	312.3	313.2	313.7
-77.5°	235.2	239.4	243.0	245.5	247.1	248.9	250.3	251.1	251.3	251.4	250.9
-80°	183.6	186.5	188.8	190.6	191.8	193.1	193.8	193.9	193.5	193.9	194.0
-82.5°	133.4	136.0	138.0	139.6	140.7	142.0	143.0	143.7	144.1	144.3	144.1
-85°	86.4	87.5	88.6	89.6	90.6	91.1	91.5	91.5	91.3	91.4	91.2
-87.5°	43.2	42.7	42.0	41.2	40.2	40.4	40.6	40.7	40.8	41.2	41.6
-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: P559066 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-940-U-WAF-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°	28.7	29.4	27.4	25.3	27.4	29.4	28.7	28.0	27.3	26.5	28.1
85°	95.8	96.5	94.7	92.7	94.7	96.5	95.8	94.9	93.7	92.3	93.2
82.5°	182.7	182.4	181.1	179.2	181.1	182.4	182.7	182.5	181.7	180.4	181.5
80°	278.7	276.9	275.8	274.0	275.8	276.9	278.7	279.7	279.9	279.4	281.3
77.5°	390.2	388.1	391.5	394.2	391.5	388.1	390.2	391.1	390.9	391.0	399.1
75°	540.8	536.7	532.7	527.0	532.7	536.7	540.8	542.9	542.8	543.2	552.3
72.5°	716.0	712.7	709.4	704.0	709.4	712.7	716.0	716.7	715.1	716.7	730.7
70°	924.6	914.8	916.4	916.9	916.4	914.8	924.6	930.1	931.1	934.4	946.6
67.5°	1187.1	1178.2	1179.3	1178.3	1179.3	1178.2	1187.1	1190.9	1189.6	1192.9	1202.8
65°	1504.9	1494.9	1482.8	1465.0	1482.8	1494.9	1504.9	1507.7	1503.1	1499.6	1498.1
62.5°	1846.2	1837.3	1842.4	1846.5	1842.4	1837.3	1846.2	1847.1	1840.0	1838.8	1833.5
60°	2225.0	2212.6	2206.4	2196.4	2206.4	2212.6	2225.0	2226.6	2216.8	2215.5	2208.7
57.5°	2693.0	2690.7	2685.2	2670.7	2685.2	2690.7	2693.0	2682.3	2659.2	2653.6	2633.9
55°	3211.9	3208.9	3220.9	3235.6	3220.9	3208.9	3211.9	3197.5	3166.8	3149.6	3120.9
52.5°	3774.1	3783.6	3780.2	3760.4	3780.2	3783.6	3774.1	3747.2	3710.6	3682.0	3630.1
50°	4330.8	4341.4	4352.8	4363.3	4352.8	4341.4	4330.8	4299.6	4264.2	4236.9	4189.4
47.5°	4961.5	4989.6	4994.5	4974.6	4994.5	4989.6	4961.5	4909.2	4871.3	4828.3	4738.7
45°	5678.2	5695.1	5703.7	5720.7	5703.7	5695.1	5678.2	5622.2	5594.2	5549.9	5461.7
42.5°	6581.8	6601.3	6604.4	6622.9	6604.4	6601.3	6581.8	6509.9	6484.9	6400.1	6275.0
40°	7654.3	7686.0	7680.5	7672.6	7680.5	7686.0	7654.3	7574.0	7555.1	7472.0	7366.2
37.5°	8909.7	8963.7	8969.3	9002.7	8969.3	8963.7	8909.7	8826.1	8766.7	8607.7	8538.3
35°	10318.7	10382.3	10371.3	10387.5	10371.3	10382.3	10318.7	10229.9	10144.1	10000.9	9826.4
32.5°	11739.9	11835.2	11854.4	11934.7	11854.4	11835.2	11739.9	11613.0	11475.2	11286.5	11053.6
30°	12856.5	12990.2	13077.5	13070.9	13077.5	12990.2	12856.5	12686.9	12575.6	12255.8	12002.2
27.5°	13319.1	13492.3	13654.4	13703.2	13654.4	13492.3	13319.1	13110.7	13045.0	12589.0	12429.1
25°	12867.8	12994.3	13137.4	13214.2	13137.4	12994.3	12867.8	12723.4	12498.2	12204.9	11975.5
22.5°	11940.4	12022.7	12071.5	12031.7	12071.5	12022.7	11940.4	11843.2	11631.9	11404.3	11152.5
20°	11099.0	11203.1	11222.5	11264.4	11222.5	11203.1	11099.0	10974.6	10854.3	10659.0	10441.2
17.5°	10472.7	10540.9	10580.9	10589.9	10580.9	10540.9	10472.7	10355.5	10245.5	10069.8	9878.7
15°	9981.9	10036.5	10072.3	10088.2	10072.3	10036.5	9981.9	9887.5	9768.3	9617.0	9451.9
12.5°	9634.0	9700.6	9733.3	9753.1	9733.3	9700.6	9634.0	9553.8	9431.4	9312.5	9139.3
10°	9410.9	9475.2	9501.1	9510.7	9501.1	9475.2	9410.9	9334.0	9237.6	9104.3	8948.8
7.5°	9250.8	9292.0	9309.5	9323.1	9309.5	9292.0	9250.8	9189.7	9088.7	8950.8	8796.7
5°	9121.5	9154.4	9172.8	9192.4	9172.8	9154.4	9121.5	9049.1	8952.5	8829.6	8670.1
2.5°	8945.6	8992.6	9025.2	9044.8	9025.2	8992.6	8945.6	8880.2	8798.0	8680.9	8514.7
0°	8772.9	8817.2	8840.4	8878.3	8840.4	8817.2	8772.9	8707.6	8625.4	8509.4	8347.1
-2.5°	8583.0	8634.3	8695.1	8754.0	8695.1	8634.3	8583.0	8518.3	8446.1	8330.7	8175.7
-5°	8437.7	8505.4	8518.1	8555.8	8518.1	8505.4	8437.7	8354.8	8257.0	8131.1	7981.7
-7.5°	8218.6	8249.5	8301.9	8311.3	8301.9	8249.5	8218.6	8146.9	8026.5	7888.9	7729.5
-10°	7880.9	7931.1	7963.8	7997.2	7963.8	7931.1	7880.9	7805.1	7703.7	7569.1	7423.0
-12.5°	7484.0	7543.1	7595.7	7588.3	7595.7	7543.1	7484.0	7415.4	7324.0	7204.6	7057.6
-15°	7097.4	7154.4	7190.6	7185.7	7190.6	7154.4	7097.4	7012.1	6929.8	6813.9	6686.5
-17.5°	6713.7	6765.7	6818.1	6816.8	6818.1	6765.7	6713.7	6640.0	6547.2	6440.9	6307.2
-20°	6317.4	6362.0	6418.1	6441.6	6418.1	6362.0	6317.4	6253.8	6144.9	6029.3	5892.3



REPORT NUMBER: P559066 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5859.3	5916.2	5957.1	5982.1	5957.1	5916.2	5859.3	5777.8	5681.6	5545.4	5424.4
-25°	5325.2	5383.7	5414.7	5425.6	5414.7	5383.7	5325.2	5263.1	5169.4	5037.8	4911.7
-27.5°	4735.2	4800.8	4832.6	4816.5	4832.6	4800.8	4735.2	4674.4	4571.4	4483.5	4361.1
-30°	4130.1	4172.2	4177.1	4213.6	4177.1	4172.2	4130.1	4084.5	3997.6	3913.7	3812.6
-32.5°	3533.1	3561.3	3545.3	3547.5	3545.3	3561.3	3533.1	3482.8	3412.7	3340.4	3271.0
-35°	2943.6	2966.1	2970.6	3012.1	2970.6	2966.1	2943.6	2917.6	2875.7	2797.1	2769.4
-37.5°	2469.8	2478.9	2465.0	2445.1	2465.0	2478.9	2469.8	2441.6	2414.4	2363.5	2343.6
-40°	2067.8	2074.8	2069.7	2059.4	2069.7	2074.8	2067.8	2047.7	2046.9	2021.7	1994.5
-42.5°	1778.6	1778.7	1774.0	1772.7	1774.0	1778.7	1778.6	1764.9	1761.4	1739.0	1703.8
-45°	1565.0	1567.3	1566.9	1566.1	1566.9	1567.3	1565.0	1555.3	1548.6	1533.3	1504.7
-47.5°	1399.3	1399.7	1397.6	1393.3	1397.6	1399.7	1399.3	1392.2	1382.2	1368.2	1346.1
-50°	1252.6	1252.6	1255.5	1260.5	1255.5	1252.6	1252.6	1247.7	1239.8	1229.7	1213.2
-52.5°	1128.7	1128.4	1129.9	1131.9	1129.9	1128.4	1128.7	1125.0	1118.0	1109.1	1095.4
-55°	1015.3	1014.6	1013.1	1009.7	1013.1	1014.6	1015.3	1012.6	1006.6	997.5	984.1
-57.5°	906.8	905.5	902.8	897.9	902.8	905.5	906.8	904.6	898.8	891.4	882.5
-60°	803.4	803.9	802.5	798.9	802.5	803.9	803.4	800.8	796.0	792.4	786.7
-62.5°	709.2	707.7	707.5	706.1	707.5	707.7	709.2	708.5	705.8	702.0	696.7
-65°	621.0	619.5	620.0	619.7	620.0	619.5	621.0	620.5	618.1	614.9	611.2
-67.5°	537.9	537.5	537.9	537.5	537.9	537.5	537.9	536.9	534.3	531.8	529.6
-70°	461.4	461.6	459.2	455.3	459.2	461.6	461.4	460.1	457.8	455.3	453.0
-72.5°	385.4	384.1	384.2	383.6	384.2	384.1	385.4	385.7	384.8	382.9	380.5
-75°	313.6	312.8	314.7	316.2	314.7	312.8	313.6	313.7	313.2	312.3	312.1
-77.5°	249.6	247.8	249.4	250.8	249.4	247.8	249.6	250.9	251.4	251.3	251.1
-80°	193.8	193.2	192.7	191.8	192.7	193.2	193.8	194.0	193.9	193.5	193.9
-82.5°	143.6	142.7	142.1	141.2	142.1	142.7	143.6	144.1	144.3	144.1	143.7
-85°	90.8	90.2	91.5	92.7	91.5	90.2	90.8	91.2	91.4	91.3	91.5
-87.5°	41.8	42.0	41.1	40.0	41.1	42.0	41.8	41.6	41.2	40.8	40.7
-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: P559066 (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°	29.7	31.1	32.5	32.7	32.8	32.9	32.8	32.6	32.3	31.9	31.3
85°	93.8	94.1	94.2	95.7	96.7	97.0	96.6	94.9	92.7	89.7	86.2
82.5°	181.8	181.5	180.7	182.6	183.4	183.2	181.9	178.3	173.6	167.9	161.0
80°	282.1	281.8	281.3	285.1	287.1	286.9	284.2	277.8	269.3	260.6	252.0
77.5°	404.7	407.4	408.6	412.4	413.3	411.1	404.9	395.1	386.5	375.3	360.5
75°	558.6	562.1	564.6	568.3	568.6	565.2	558.8	546.9	531.2	511.5	485.3
72.5°	740.1	744.7	746.1	746.1	742.3	738.1	728.7	712.8	692.2	666.7	632.0
70°	954.2	957.2	955.9	949.8	942.1	932.1	916.3	894.0	865.4	835.4	792.9
67.5°	1206.2	1202.9	1194.3	1182.4	1169.6	1150.6	1125.3	1093.1	1060.2	1022.6	965.4
65°	1492.2	1482.2	1470.8	1454.7	1430.6	1398.4	1359.5	1318.9	1275.8	1223.3	1151.1
62.5°	1815.0	1782.9	1771.8	1756.1	1725.6	1680.9	1633.1	1581.5	1517.2	1442.1	1369.5
60°	2190.6	2163.2	2135.9	2099.6	2054.8	1999.0	1938.5	1868.6	1789.4	1705.8	1608.7
57.5°	2596.3	2559.7	2531.7	2483.3	2413.9	2348.5	2272.6	2176.3	2081.3	1984.4	1868.4
55°	3082.0	3031.8	2972.3	2904.7	2830.5	2745.8	2642.1	2529.6	2413.5	2280.1	2156.4
52.5°	3558.3	3513.6	3445.3	3348.3	3261.2	3172.6	3050.8	2919.0	2787.7	2649.3	2475.7
50°	4121.4	4053.4	3960.1	3847.3	3755.9	3635.2	3499.6	3339.6	3202.9	3044.6	2853.3
47.5°	4687.4	4643.0	4533.1	4402.2	4317.5	4177.4	4010.3	3831.2	3680.4	3465.1	3256.5
45°	5403.4	5322.6	5199.3	5086.7	4954.2	4798.5	4585.4	4414.3	4212.6	3977.5	3675.4
42.5°	6242.3	6125.5	5965.6	5871.0	5711.8	5506.8	5269.7	5054.1	4802.6	4527.7	4180.6
40°	7259.1	7066.6	6904.2	6751.9	6570.4	6299.9	6037.1	5750.1	5449.4	5111.2	4659.4
37.5°	8427.0	8223.0	7983.4	7731.6	7497.4	7188.7	6836.8	6498.9	6137.4	5628.7	5113.6
35°	9643.1	9410.3	9114.4	8809.3	8445.3	8012.9	7649.8	7251.3	6757.7	6097.5	5533.8
32.5°	10844.0	10461.6	10141.2	9811.7	9266.8	8732.8	8342.2	7988.0	7149.7	6468.6	5903.0
30°	11712.2	11228.3	10903.5	10452.5	9768.6	9282.5	8911.1	8176.0	7395.8	6727.3	6190.6
27.5°	11902.1	11544.0	11214.3	10537.4	9948.4	9518.6	8938.0	8188.7	7479.2	6850.2	6330.6
25°	11537.3	11210.2	10809.1	10246.3	9754.7	9313.0	8703.4	8024.8	7388.1	6833.5	6250.2
22.5°	10844.5	10545.5	10180.4	9741.1	9324.3	8873.7	8336.5	7748.3	7200.6	6681.4	6116.8
20°	10182.5	9913.6	9575.1	9227.0	8868.5	8441.2	7931.2	7450.4	7004.6	6501.9	5956.6
17.5°	9662.2	9384.0	9118.3	8816.5	8449.3	8012.7	7645.8	7249.6	6809.2	6309.8	5773.6
15°	9228.4	9019.0	8765.7	8447.7	8110.7	7799.8	7451.0	7045.8	6607.0	6102.1	5602.9
12.5°	8963.6	8739.7	8463.1	8214.2	7933.5	7608.2	7248.7	6835.4	6415.9	5993.0	5545.4
10°	8751.7	8539.8	8311.8	8049.9	7753.5	7416.1	7079.8	6720.6	6329.9	5914.8	5471.8
7.5°	8616.0	8397.4	8154.5	7899.1	7614.8	7311.5	6981.7	6624.3	6229.8	5815.5	5381.2
5°	8484.2	8266.5	8033.1	7787.8	7497.2	7194.5	6868.0	6509.7	6113.6	5695.5	5272.7
2.5°	8333.4	8127.3	7902.3	7657.1	7361.7	7059.7	6737.7	6374.9	5984.7	5582.9	5149.3
0°	8163.8	7974.0	7731.6	7485.0	7206.8	6911.7	6589.2	6218.2	5836.7	5457.3	5006.2
-2.5°	8002.5	7800.5	7576.7	7332.0	7065.3	6759.9	6439.4	6080.6	5690.9	5307.4	4866.3
-5°	7805.6	7609.3	7384.6	7129.0	6860.3	6558.8	6240.3	5893.5	5510.3	5131.1	4709.6
-7.5°	7552.1	7363.6	7151.2	6896.8	6622.5	6321.3	5999.2	5652.8	5279.5	4904.3	4494.7
-10°	7247.7	7047.1	6831.3	6594.1	6337.2	6052.7	5734.1	5388.2	5029.0	4655.4	4261.5
-12.5°	6890.6	6699.9	6483.7	6251.9	5998.7	5720.3	5425.4	5095.4	4759.6	4384.2	4010.5
-15°	6510.5	6342.7	6129.9	5887.2	5628.3	5364.7	5084.7	4770.1	4459.8	4092.6	3741.9
-17.5°	6146.3	5961.7	5751.7	5527.7	5268.2	4990.9	4720.2	4431.8	4131.7	3797.2	3476.3
-20°	5737.8	5550.8	5356.2	5140.7	4893.4	4626.6	4350.8	4075.6	3793.8	3502.5	3210.8



REPORT NUMBER: P559066 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-940-U-WAF-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5276.6	5113.0	4928.9	4725.2	4483.2	4232.7	3979.8	3720.0	3453.4	3202.5	2940.9
-25°	4782.1	4633.8	4452.9	4260.2	4046.5	3820.3	3598.7	3367.9	3138.4	2903.2	2671.2
-27.5°	4247.7	4110.0	3953.4	3784.5	3595.4	3411.7	3215.8	3016.8	2831.4	2624.1	2421.6
-30°	3699.9	3592.8	3458.3	3299.6	3168.0	3014.8	2837.0	2695.4	2534.9	2357.2	2192.3
-32.5°	3172.7	3086.4	2975.8	2870.2	2760.2	2637.9	2516.4	2385.0	2244.8	2118.3	1983.3
-35°	2697.2	2625.2	2565.0	2485.9	2383.0	2301.8	2208.2	2100.3	1993.2	1891.6	1783.3
-37.5°	2305.8	2241.7	2196.7	2138.0	2066.3	1990.5	1929.1	1855.0	1767.1	1685.9	1598.1
-40°	1970.0	1916.7	1884.0	1848.7	1799.7	1729.0	1690.2	1634.9	1574.5	1496.5	1425.8
-42.5°	1701.0	1675.9	1638.7	1616.4	1577.9	1530.0	1480.0	1448.3	1399.9	1339.0	1281.2
-45°	1495.6	1479.4	1447.4	1425.2	1396.9	1358.9	1308.2	1284.3	1247.7	1205.5	1150.8
-47.5°	1331.0	1319.2	1295.5	1266.3	1244.5	1211.6	1176.1	1142.4	1121.1	1084.8	1040.0
-50°	1194.7	1183.3	1162.2	1133.1	1113.1	1088.1	1060.0	1026.7	1006.3	975.5	938.2
-52.5°	1077.0	1062.6	1043.9	1019.8	1000.4	983.0	957.9	927.2	900.5	879.4	852.1
-55°	966.1	953.8	941.3	924.0	902.9	885.9	862.3	835.8	813.8	795.5	772.2
-57.5°	872.6	861.6	848.0	831.5	812.4	795.7	778.0	757.4	734.7	717.7	695.9
-60°	777.7	765.9	756.1	743.7	728.7	713.4	699.0	681.4	660.6	643.7	624.7
-62.5°	689.3	679.8	671.5	661.6	649.5	636.1	623.1	608.4	591.1	573.5	557.7
-65°	606.0	599.3	592.1	583.6	573.5	562.1	550.9	538.5	524.6	509.0	494.1
-67.5°	525.6	519.7	513.6	507.2	500.2	492.3	483.4	472.8	461.1	448.4	435.9
-70°	449.0	443.3	438.5	434.7	430.6	425.2	418.3	410.0	400.5	390.5	379.4
-72.5°	377.3	373.4	370.3	368.2	364.7	360.4	355.2	349.4	342.6	334.8	324.4
-75°	311.1	309.1	306.9	305.3	302.6	298.8	294.6	290.3	284.8	278.1	269.7
-77.5°	250.3	248.9	247.1	245.5	243.0	239.4	235.2	232.0	228.3	223.2	216.8
-80°	193.8	193.1	191.8	190.6	188.8	186.5	183.6	180.4	176.2	171.3	166.5
-82.5°	143.0	142.0	140.7	139.6	138.0	136.0	133.4	131.0	128.2	125.0	121.6
-85°	91.5	91.1	90.6	89.6	88.6	87.5	86.4	85.3	84.0	82.4	80.5
-87.5°	40.6	40.4	40.2	41.2	42.0	42.7	43.2	42.6	42.0	41.2	40.2
-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: P559066 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-940-U-WAF-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°	30.6	29.8	28.9	27.8	27.2	26.4	25.3	24.0	22.0	19.8	17.6
85°	81.8	76.8	71.1	64.9	59.0	52.7	50.6	48.1	43.9	39.6	35.1
82.5°	152.6	145.2	137.5	128.9	119.5	109.5	98.9	87.6	73.8	60.6	52.6
80°	240.8	228.5	214.9	200.1	183.7	166.1	151.7	135.9	116.4	97.6	79.5
77.5°	341.3	320.4	297.8	278.4	258.3	236.6	213.2	186.8	158.5	134.2	110.8
75°	453.2	426.8	399.7	370.2	338.8	307.1	279.4	247.1	208.7	171.3	141.7
72.5°	592.5	551.6	509.5	466.2	428.6	389.8	350.0	306.4	261.3	217.3	174.4
70°	741.7	685.3	632.4	580.3	526.1	472.5	426.3	372.3	313.1	262.5	213.3
67.5°	900.4	838.9	771.6	697.8	632.6	569.2	504.2	438.8	372.6	306.9	251.4
65°	1080.7	1002.9	918.9	837.9	751.4	666.8	594.1	507.8	430.9	358.3	288.6
62.5°	1278.9	1177.3	1086.0	984.1	883.0	783.2	680.9	583.7	489.7	408.5	330.0
60°	1503.4	1392.1	1263.8	1149.8	1027.8	905.4	783.9	657.2	554.6	457.3	372.4
57.5°	1750.4	1619.5	1482.3	1331.5	1188.4	1043.6	886.8	741.1	617.2	510.4	413.2
55°	2008.7	1861.6	1706.6	1540.7	1363.9	1196.8	994.9	827.0	680.4	562.9	451.1
52.5°	2297.9	2122.0	1943.2	1756.2	1561.6	1345.6	1114.9	908.0	751.3	613.1	491.4
50°	2631.1	2411.2	2198.9	1983.9	1761.9	1502.0	1227.1	1004.8	817.8	663.7	529.7
47.5°	3011.1	2744.2	2481.1	2223.2	1977.5	1647.4	1350.7	1097.2	879.8	717.7	565.3
45°	3404.6	3110.6	2792.0	2493.5	2152.6	1794.5	1471.0	1182.2	954.7	764.7	598.2
42.5°	3799.7	3481.5	3139.5	2766.4	2332.5	1933.8	1580.9	1277.9	1023.7	807.9	632.7
40°	4238.4	3851.1	3486.2	3019.8	2496.1	2060.6	1693.9	1367.5	1085.8	851.5	667.2
37.5°	4656.9	4228.6	3827.4	3213.3	2645.7	2190.4	1797.3	1447.7	1142.6	898.5	698.6
35°	5047.4	4594.5	3999.3	3370.6	2794.2	2300.2	1888.7	1523.4	1203.0	940.0	726.7
32.5°	5403.6	4829.0	4131.2	3493.3	2911.9	2389.9	1971.7	1590.7	1254.6	975.8	751.6
30°	5646.5	4916.7	4221.7	3582.0	2999.7	2476.7	2039.3	1646.6	1297.5	1005.9	774.7
27.5°	5659.4	4957.4	4270.1	3637.4	3060.1	2540.4	2090.6	1691.0	1331.8	1034.0	798.7
25°	5615.0	4939.5	4277.2	3657.9	3092.1	2592.6	2129.9	1724.4	1363.4	1061.3	818.3
22.5°	5511.3	4875.9	4245.0	3644.1	3127.1	2628.6	2162.5	1752.9	1388.9	1081.9	833.6
20°	5380.2	4772.6	4190.8	3657.7	3144.8	2651.6	2187.0	1771.3	1405.4	1095.8	844.6
17.5°	5219.7	4690.6	4181.7	3655.1	3144.8	2658.4	2198.0	1779.8	1413.2	1103.5	851.5
15°	5145.8	4658.4	4154.3	3635.6	3127.6	2649.5	2196.0	1778.6	1412.7	1105.0	856.3
12.5°	5086.5	4607.9	4109.8	3599.2	3093.5	2625.5	2181.5	1768.1	1404.2	1105.0	859.8
10°	5011.4	4538.9	4048.2	3546.1	3043.5	2587.2	2155.0	1752.0	1400.0	1103.2	860.1
7.5°	4919.9	4451.7	3969.6	3476.6	2983.4	2544.3	2127.9	1734.1	1391.1	1096.7	857.1
5°	4813.7	4355.6	3885.2	3410.0	2937.5	2498.9	2092.0	1707.5	1376.4	1085.8	851.1
2.5°	4698.8	4256.1	3790.7	3329.3	2879.6	2442.4	2046.4	1673.0	1355.9	1070.7	842.2
0°	4565.6	4139.8	3680.3	3233.5	2809.8	2375.6	1991.9	1631.5	1330.1	1051.8	830.5
-2.5°	4448.6	4012.1	3561.4	3129.5	2708.0	2295.5	1932.6	1589.7	1301.5	1033.2	818.3
-5°	4312.6	3867.8	3428.5	3012.3	2595.5	2207.1	1866.0	1542.5	1268.2	1011.4	803.7
-7.5°	4112.7	3691.5	3277.1	2880.6	2473.9	2111.6	1793.3	1490.5	1230.9	986.5	786.8
-10°	3887.4	3491.8	3105.6	2731.8	2355.6	2017.5	1716.6	1434.5	1189.9	958.8	768.0
-12.5°	3649.4	3281.4	2924.6	2575.7	2233.7	1924.6	1643.1	1379.5	1146.3	928.7	747.2
-15°	3400.1	3062.2	2735.6	2414.4	2107.8	1827.1	1566.1	1323.3	1103.3	897.8	724.8
-17.5°	3146.3	2835.7	2540.0	2249.4	1979.3	1725.7	1486.3	1264.2	1057.9	867.0	702.4
-20°	2914.8	2624.2	2340.7	2082.5	1849.7	1621.3	1404.8	1202.8	1010.5	834.4	679.7



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2683.9	2429.0	2173.0	1927.4	1722.5	1514.7	1322.1	1139.5	961.5	800.4	655.4
-25°	2454.1	2234.9	2009.2	1798.4	1599.3	1415.8	1242.3	1074.6	911.3	765.2	629.6
-27.5°	2237.4	2045.7	1844.8	1669.2	1491.7	1318.4	1165.2	1013.1	862.6	729.0	602.4
-30°	2030.8	1865.0	1697.3	1542.8	1385.2	1233.5	1088.1	951.7	818.2	694.1	574.0
-32.5°	1839.9	1686.6	1556.6	1425.5	1287.3	1149.3	1016.5	890.6	773.6	659.2	547.6
-35°	1662.4	1534.3	1420.0	1311.9	1192.9	1072.8	951.1	830.1	729.0	623.4	521.4
-37.5°	1493.5	1399.2	1301.3	1205.3	1098.9	997.7	889.3	780.2	684.6	586.6	494.7
-40°	1354.6	1274.2	1192.4	1104.3	1015.4	924.3	827.4	732.9	641.3	549.0	467.5
-42.5°	1222.2	1159.8	1089.3	1006.3	938.0	856.5	766.5	684.7	599.5	515.2	440.0
-45°	1104.4	1051.4	991.3	929.1	863.7	789.4	712.8	636.2	557.7	483.3	413.4
-47.5°	993.5	954.0	905.2	853.2	792.8	724.9	658.5	589.9	515.8	451.5	387.9
-50°	900.0	866.0	826.7	779.6	723.4	665.8	605.1	543.8	480.6	420.1	361.9
-52.5°	818.8	786.4	751.3	707.8	660.0	606.6	555.9	498.6	444.7	389.6	335.4
-55°	742.6	710.9	678.7	641.5	598.5	554.0	507.3	458.5	408.3	359.4	308.9
-57.5°	670.6	639.7	612.1	578.7	542.6	503.8	461.7	417.9	373.5	328.6	285.3
-60°	601.5	576.3	549.0	521.6	490.2	454.9	417.1	377.8	338.8	298.2	261.4
-62.5°	537.9	515.2	492.6	467.7	438.8	407.0	372.9	339.6	303.8	270.9	237.1
-65°	478.1	459.4	437.9	414.4	388.1	360.2	331.5	301.0	272.2	243.2	212.7
-67.5°	421.1	403.8	383.0	361.3	340.4	317.0	290.2	265.8	241.3	215.2	188.7
-70°	365.5	348.6	331.2	314.7	295.9	274.5	253.2	231.9	210.2	188.5	164.5
-72.5°	311.8	298.5	284.6	269.6	253.3	235.8	216.9	198.4	181.0	161.6	140.1
-75°	259.6	249.4	238.6	226.4	212.2	197.0	182.4	167.3	151.9	134.7	118.6
-77.5°	209.5	201.5	193.0	184.2	173.3	161.6	149.3	136.3	123.8	111.2	97.9
-80°	162.2	157.1	151.3	144.5	135.6	126.2	117.2	108.0	98.4	88.1	77.1
-82.5°	118.2	114.8	110.8	106.0	99.9	93.7	87.2	80.6	72.9	64.8	56.9
-85°	78.2	75.4	72.2	68.6	64.9	61.1	57.4	53.4	48.3	43.2	38.0
-87.5°	38.8	37.2	35.6	33.8	32.3	30.5	28.7	26.7	24.2	21.6	19.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.3	12.9	10.4	7.9	5.3	2.6	0.0
85°	30.5	25.7	20.8	15.8	10.6	5.2	0.0
82.5°	45.7	38.6	31.2	23.7	15.9	7.8	0.0
80°	62.2	51.3	41.5	31.5	21.2	10.4	0.0
77.5°	88.3	66.9	51.8	39.2	26.4	13.0	0.0
75°	114.1	87.8	63.0	46.9	31.6	15.5	0.0
72.5°	139.5	108.3	78.9	54.6	36.6	18.0	0.0
70°	165.4	128.5	94.6	62.8	41.7	20.5	0.0
67.5°	197.0	148.2	109.9	74.0	46.6	22.9	0.0
65°	227.8	170.1	124.9	84.9	51.4	25.3	0.0
62.5°	257.5	194.0	139.5	95.5	56.2	27.7	0.0
60°	286.1	217.0	153.6	105.9	60.8	29.9	0.0
57.5°	318.5	239.2	170.6	115.9	67.3	32.2	0.0
55°	349.9	260.4	187.1	125.6	73.6	34.3	0.0
52.5°	379.7	281.2	202.8	135.0	79.8	36.4	0.0
50°	407.7	304.0	217.8	143.9	85.7	38.4	0.0
47.5°	434.4	325.4	232.0	153.0	91.4	40.4	0.0
45°	462.3	345.4	245.4	162.9	96.8	42.2	0.0
42.5°	488.0	363.9	257.9	172.3	102.1	44.0	0.0
40°	511.4	380.9	270.6	181.3	107.0	45.7	0.0
37.5°	532.6	396.4	283.2	189.7	111.7	47.3	0.0
35°	551.4	411.8	294.8	197.7	116.1	48.8	0.0
32.5°	569.5	426.3	305.2	205.0	120.2	50.2	0.0
30°	588.9	439.0	314.6	211.8	124.1	51.5	0.0
27.5°	605.7	450.0	323.4	218.0	127.6	52.8	0.0
25°	619.9	459.2	331.2	223.6	130.8	53.9	0.0
22.5°	631.4	467.3	337.9	228.7	133.7	54.9	0.0
20°	640.4	475.3	343.5	233.1	136.3	55.8	0.0
17.5°	648.5	481.8	348.1	236.9	138.6	56.6	0.0
15°	655.0	487.0	351.6	240.1	140.6	57.3	0.0
12.5°	659.0	490.8	354.0	242.7	142.2	57.8	0.0
10°	660.6	493.2	355.5	244.7	143.5	58.3	0.0
7.5°	659.9	494.2	356.0	246.0	144.5	58.6	0.0
5°	657.0	493.8	355.5	246.8	145.1	58.9	0.0
2.5°	652.0	492.1	354.2	247.0	145.4	59.0	0.0
0°	645.0	489.0	352.0	246.6	145.4	59.0	0.0
-2.5°	637.6	484.4	350.3	245.5	145.1	59.1	0.0
-5°	628.5	478.5	347.8	243.8	144.4	59.0	0.0
-7.5°	617.6	471.5	344.5	241.5	143.4	58.9	0.0
-10°	605.2	463.4	340.4	238.8	142.1	58.6	0.0
-12.5°	591.3	454.2	335.6	235.4	140.5	58.3	0.0
-15°	576.0	444.2	330.0	231.6	138.6	57.8	0.0
-17.5°	559.4	433.3	323.6	227.3	136.4	57.2	0.0
-20°	542.1	421.6	316.5	222.5	134.0	56.5	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	524.8	409.3	308.8	217.2	131.2	55.6	0.0
-25°	506.5	396.9	300.3	211.5	128.2	54.7	0.0
-27.5°	487.2	384.1	291.2	205.4	125.0	53.6	0.0
-30°	467.1	370.4	281.4	198.8	121.5	52.5	0.0
-32.5°	446.2	355.9	271.3	191.9	117.8	51.2	0.0
-35°	426.7	340.7	260.7	184.5	113.9	49.8	0.0
-37.5°	407.3	325.5	249.6	176.9	109.7	48.3	0.0
-40°	387.3	310.8	238.0	168.8	105.4	46.7	0.0
-42.5°	366.6	295.6	226.4	160.5	100.8	45.1	0.0
-45°	345.3	279.9	215.0	152.0	96.1	43.3	0.0
-47.5°	323.4	263.8	203.1	143.0	91.2	41.4	0.0
-50°	303.4	247.3	190.8	135.1	86.1	39.5	0.0
-52.5°	283.3	230.4	178.2	127.2	80.9	37.4	0.0
-55°	263.0	214.1	165.2	119.2	75.5	35.3	0.0
-57.5°	242.3	197.6	151.8	110.9	70.0	33.1	0.0
-60°	221.5	180.7	138.3	102.4	64.4	30.9	0.0
-62.5°	201.1	163.5	126.8	93.7	59.6	28.5	0.0
-65°	180.4	146.0	115.1	84.8	54.6	26.1	0.0
-67.5°	159.4	129.8	103.2	75.8	49.6	23.7	0.0
-70°	138.2	114.9	91.2	66.6	44.4	21.2	0.0
-72.5°	119.9	99.8	78.9	58.3	39.1	18.6	0.0
-75°	101.9	84.6	66.6	50.2	33.7	16.1	0.0
-77.5°	83.7	69.2	55.4	42.0	28.2	13.4	0.0
-80°	65.4	54.9	44.4	33.7	22.6	10.8	0.0
-82.5°	49.0	41.3	33.4	25.3	17.0	8.1	0.0
-85°	32.7	27.6	22.3	16.9	11.4	5.4	0.0
-87.5°	16.4	13.8	11.2	8.5	5.7	2.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)