

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: P559142 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6B-930-U-NAT-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P559142 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2101-125-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/20/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GFLD-SA6B-930-U-NAT-XX  
Description: GALLEON FLOOD, SIX LIGHT SQUARE, NARROW ASYMMETRICAL RECTANGULAR 6x4  
Light Source: (96) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

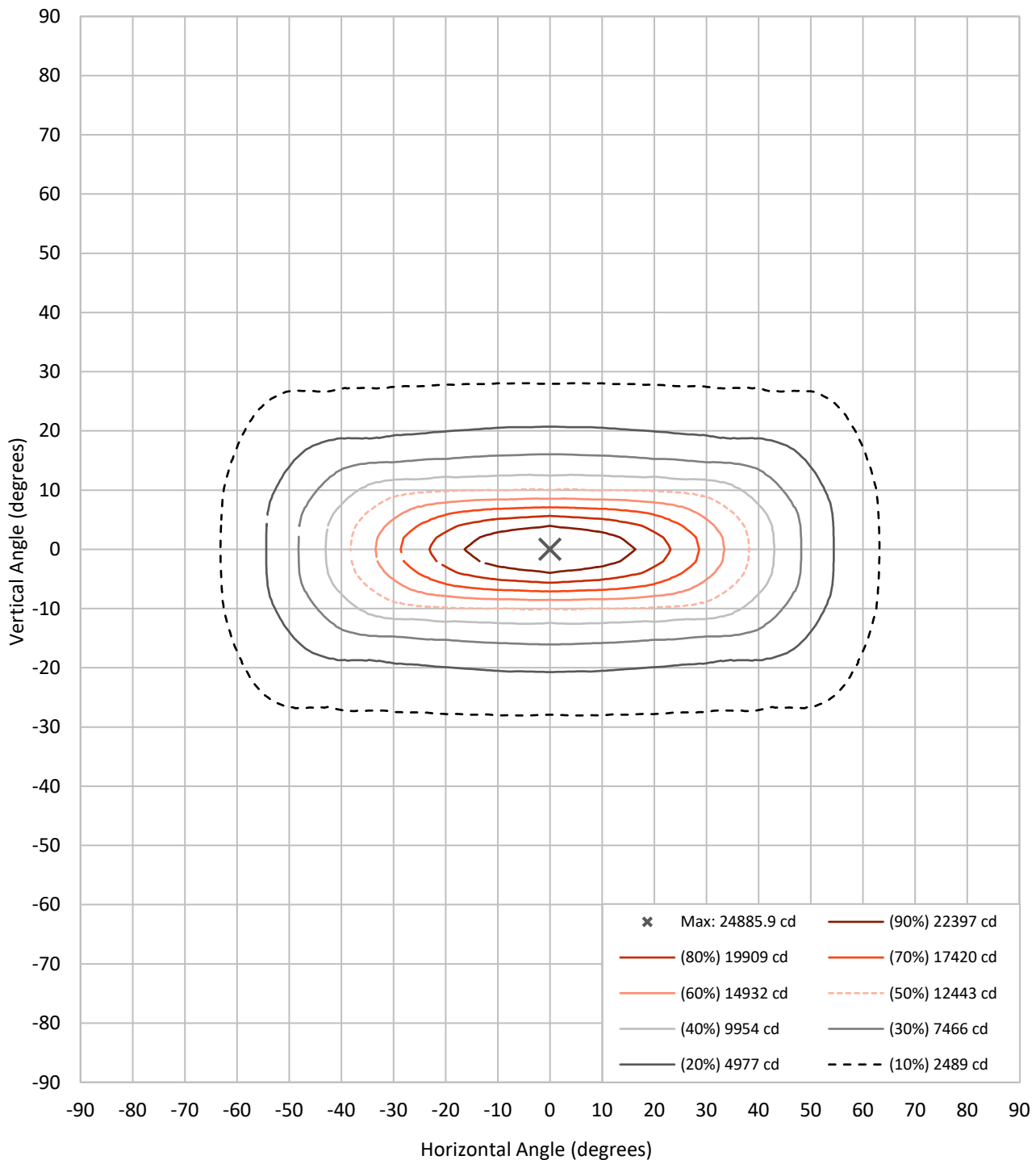
Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	17822.8 lumens	Max Intensity:	24885.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	96.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	76.4°H x 20°V	Field Angle (10%):	126.3°H x 55.8°V
Beam Lumens:	7130.8 lumens	Field Lumens:	14607.6 lumens
Beam Efficiency:	40.0%	Field Efficiency:	82.0%

Input Watts (W): 185  
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





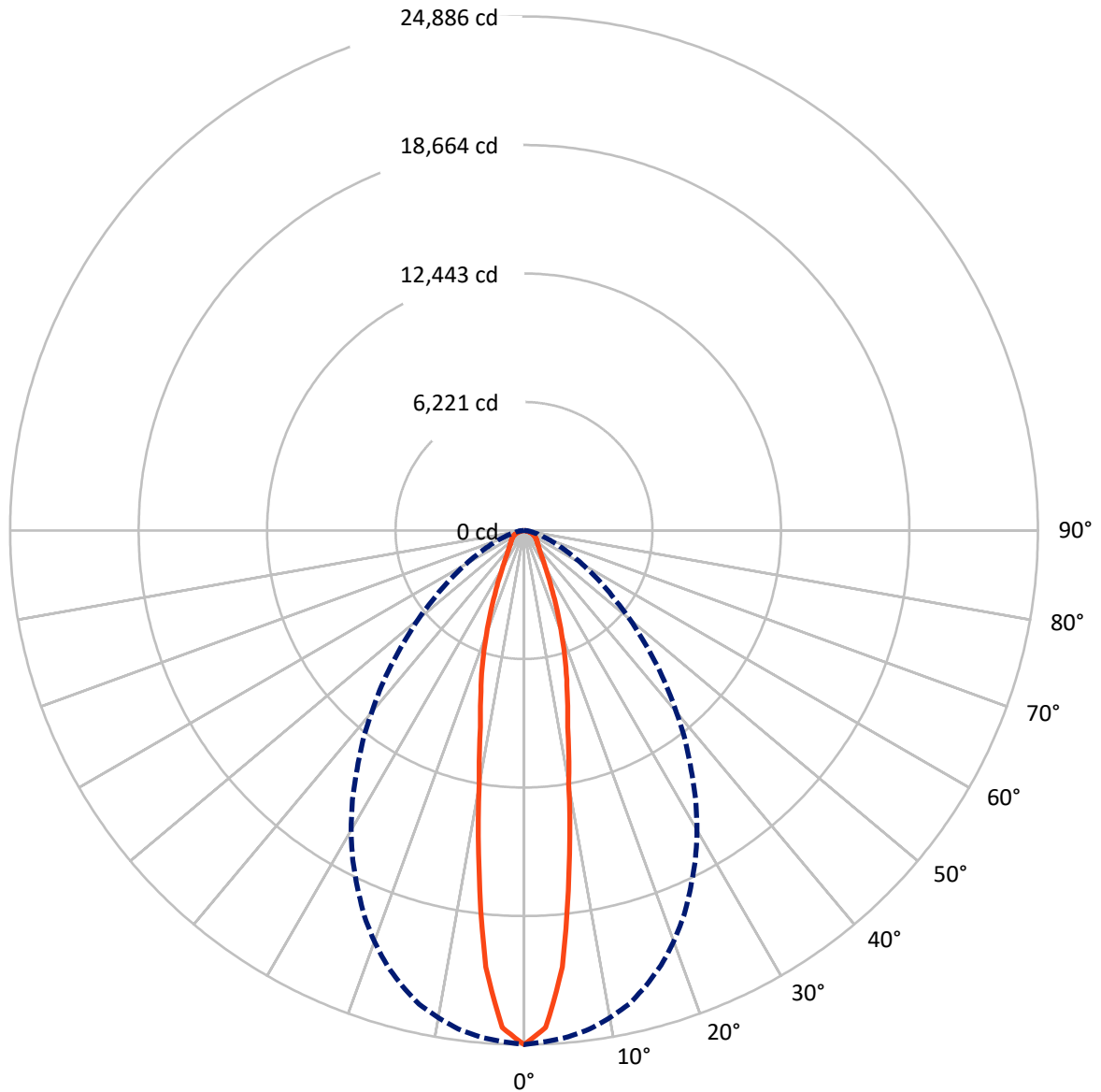
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### Lumen Table

90																			
80	0.9	6.2		12.5		18.1		20.4		18.1		12.5		6.2		0.9			
70																			
60	3.8	3.6	6.3	8.5	10.5	12.6	14.5	15.5	15.5	14.5	12.6	10.5	8.5	6.3	3.6	3.8			
50		5.8	10.2	13.6	16.2	18.5	20.6	21.8	21.8	20.6	18.5	16.2	13.6	10.2	5.8				
40	7.6	8.9	15.5	20.5	23.7	26.1	28.0	29.1	29.1	28.0	26.1	23.7	20.5	15.5	8.9	7.6			
30		13.1	24.7	32.7	38.1	42.1	45.0	46.3	46.3	45.0	42.1	38.1	32.7	24.7	13.1				
20	11.8	18.5	42.1	62.8	75.9	88.0	98.0	103.8	103.8	98.0	88.0	75.9	62.8	42.1	18.5	11.8			
10		24.4	65.0	125.0	179.8	214.2	238.5	252.3	252.3	238.5	214.2	179.8	125.0	65.0	24.4				
0	13.5	28.0	83.4	184.2	318.6	451.9	550.0	601.5	601.5	550.0	451.9	318.6	184.2	83.4	28.0	13.5			
-10		28.0	83.4	184.2	318.6	451.9	550.0	601.5	601.5	550.0	451.9	318.6	184.2	83.4	28.0				
-20	11.8	24.4	65.0	125.0	179.8	214.2	238.5	252.3	252.3	238.5	214.2	179.8	125.0	65.0	24.4	11.8			
-30		18.5	42.1	62.8	75.9	88.0	98.0	103.8	103.8	98.0	88.0	75.9	62.8	42.1	18.5				
-40	7.6	13.1	24.7	32.7	38.1	42.1	45.0	46.3	46.3	45.0	42.1	38.1	32.7	24.7	13.1	7.6			
-50		8.9	15.5	20.5	23.7	26.1	28.0	29.1	29.1	28.0	26.1	23.7	20.5	15.5	8.9				
-60	3.8	5.8	10.2	13.6	16.2	18.5	20.6	21.8	21.8	20.6	18.5	16.2	13.6	10.2	5.8	3.8			
-70		3.6	6.3	8.5	10.5	12.6	14.5	15.5	15.5	14.5	12.6	10.5	8.5	6.3	3.6				
-80	0.9	6.2		12.5		18.1		20.4		18.1		12.5		6.2		0.9			
-90																			

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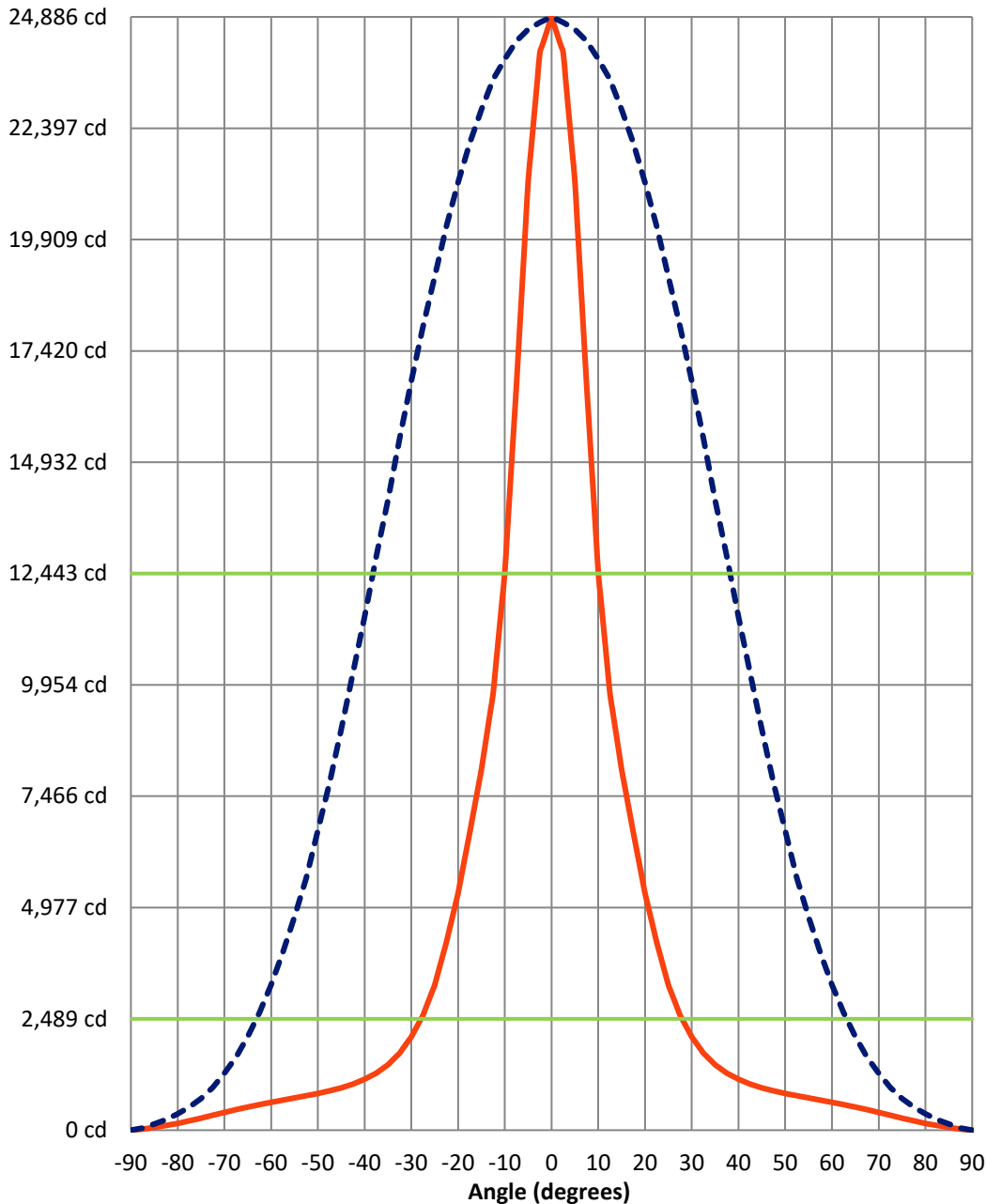
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 76.4°  
 V Angle: 20°  
 Lumens: 7130.8  
 Efficiency: 40.0%

**Field:**  
 H Angle: 126.3°  
 V Angle: 55.8°  
 Lumens: 14607.6  
 Efficiency: 82.0%

**Spill:**  
 Lumens: 3215.2  
 Efficiency: 18.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	2.1	4.1	5.9	7.4	8.8	9.9	11.2	12.5	13.6	14.7
85°	0.0	4.1	8.3	11.8	14.9	17.6	19.8	22.5	25.0	27.2	29.3
82.5°	0.0	6.2	12.4	17.7	22.3	26.4	29.7	33.7	38.2	45.6	52.2
80°	0.0	8.2	16.5	23.5	29.7	35.1	40.8	51.9	62.1	71.5	79.9
77.5°	0.0	10.3	20.5	29.4	37.1	46.6	60.0	73.5	86.0	97.4	108.2
75°	0.0	12.3	24.6	35.2	45.7	63.2	79.2	95.0	110.1	125.4	138.5
72.5°	0.0	14.3	28.5	41.0	59.3	79.7	98.3	117.4	137.1	154.3	168.9
70°	0.0	16.2	32.5	47.6	72.8	96.0	117.7	142.1	164.1	183.3	202.2
67.5°	0.0	18.2	36.3	57.9	86.1	112.3	140.0	166.7	191.2	216.3	236.5
65°	0.0	20.1	40.1	68.0	99.3	129.9	162.1	191.3	222.5	249.6	273.4
62.5°	0.0	21.9	43.8	78.1	112.4	148.9	184.1	218.8	253.8	284.3	315.4
60°	0.0	23.7	47.5	87.9	125.3	167.7	206.0	247.6	285.3	323.7	357.6
57.5°	0.0	25.5	53.9	97.6	140.4	186.3	230.8	276.3	320.6	363.3	403.4
55°	0.0	27.2	60.2	107.1	155.5	204.7	255.7	304.9	356.7	404.3	451.7
52.5°	0.0	28.9	66.3	116.4	170.3	223.3	280.3	337.0	392.8	450.8	501.3
50°	0.0	30.5	72.3	125.4	184.8	243.7	304.5	369.6	430.9	498.1	560.2
47.5°	0.0	32.1	78.1	134.7	199.0	263.6	329.0	402.4	474.4	546.1	622.2
45°	0.0	33.6	83.6	145.1	212.9	283.1	357.4	435.3	518.9	604.6	686.4
42.5°	0.0	35.0	89.0	155.2	226.4	302.1	385.6	471.6	563.3	664.6	759.6
40°	0.0	36.4	94.1	164.7	240.3	320.6	413.4	510.2	610.9	725.7	836.6
37.5°	0.0	37.7	99.0	173.5	254.5	338.5	441.0	548.2	664.8	789.7	916.1
35°	0.0	38.9	103.7	181.7	268.1	358.9	468.1	585.7	718.5	860.7	1002.3
32.5°	0.0	40.1	108.1	189.4	281.2	380.1	495.8	622.6	771.8	932.5	1097.0
30°	0.0	41.1	112.3	196.5	293.6	400.8	525.5	660.5	824.6	1005.1	1194.0
27.5°	0.0	42.1	116.2	203.0	304.0	420.6	554.2	703.5	879.7	1077.9	1292.6
25°	0.0	43.0	119.8	208.9	313.5	439.6	581.8	745.2	939.2	1157.1	1392.8
22.5°	0.0	43.9	123.1	214.3	322.3	456.6	608.2	785.5	997.6	1239.0	1502.3
20°	0.0	44.6	126.1	219.0	330.4	469.6	633.2	824.1	1054.5	1319.8	1610.9
17.5°	0.0	45.3	128.8	223.1	337.8	480.9	652.1	860.8	1109.5	1398.7	1717.7
15°	0.0	45.9	131.2	226.7	344.3	490.7	666.2	889.7	1162.1	1475.2	1821.8
12.5°	0.0	46.4	133.3	229.6	350.1	498.9	678.2	908.5	1199.8	1548.5	1922.2
10°	0.0	46.8	135.1	232.0	354.9	505.6	688.2	924.0	1223.9	1583.0	2000.5
7.5°	0.0	47.1	136.5	233.8	358.9	510.7	696.1	936.3	1243.4	1605.8	2036.0
5°	0.0	47.3	137.6	234.9	362.0	514.2	701.8	945.3	1258.1	1621.5	2063.5
2.5°	0.0	47.5	138.4	235.6	364.1	516.3	705.4	950.9	1267.9	1630.4	2082.6
0°	0.0	47.5	138.8	235.6	365.2	516.8	706.7	953.2	1272.8	1632.5	2092.7
-2.5°	0.0	47.5	138.4	235.6	364.1	516.3	705.4	950.9	1267.9	1630.4	2082.6
-5°	0.0	47.3	137.6	234.9	362.0	514.2	701.8	945.3	1258.1	1621.5	2063.5
-7.5°	0.0	47.1	136.5	233.8	358.9	510.7	696.1	936.3	1243.4	1605.8	2036.0
-10°	0.0	46.8	135.1	232.0	354.9	505.6	688.2	924.0	1223.9	1583.0	2000.5
-12.5°	0.0	46.4	133.3	229.6	350.1	498.9	678.2	908.5	1199.8	1548.5	1922.2
-15°	0.0	45.9	131.2	226.7	344.3	490.7	666.2	889.7	1162.1	1475.2	1821.8
-17.5°	0.0	45.3	128.8	223.1	337.8	480.9	652.1	860.8	1109.5	1398.7	1717.7
-20°	0.0	44.6	126.1	219.0	330.4	469.6	633.2	824.1	1054.5	1319.8	1610.9



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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	43.9	123.1	214.3	322.3	456.6	608.2	785.5	997.6	1239.0	1502.3
-25°	0.0	43.0	119.8	208.9	313.5	439.6	581.8	745.2	939.2	1157.1	1392.8
-27.5°	0.0	42.1	116.2	203.0	304.0	420.6	554.2	703.5	879.7	1077.9	1292.6
-30°	0.0	41.1	112.3	196.5	293.6	400.8	525.5	660.5	824.6	1005.1	1194.0
-32.5°	0.0	40.1	108.1	189.4	281.2	380.1	495.8	622.6	771.8	932.5	1097.0
-35°	0.0	38.9	103.7	181.7	268.1	358.9	468.1	585.7	718.5	860.7	1002.3
-37.5°	0.0	37.7	99.0	173.5	254.5	338.5	441.0	548.2	664.8	789.7	916.1
-40°	0.0	36.4	94.1	164.7	240.3	320.6	413.4	510.2	610.9	725.7	836.6
-42.5°	0.0	35.0	89.0	155.2	226.4	302.1	385.6	471.6	563.3	664.6	759.6
-45°	0.0	33.6	83.6	145.1	212.9	283.1	357.4	435.3	518.9	604.6	686.4
-47.5°	0.0	32.1	78.1	134.7	199.0	263.6	329.0	402.4	474.4	546.1	622.2
-50°	0.0	30.5	72.3	125.4	184.8	243.7	304.5	369.6	430.9	498.1	560.2
-52.5°	0.0	28.9	66.3	116.4	170.3	223.3	280.3	337.0	392.8	450.8	501.3
-55°	0.0	27.2	60.2	107.1	155.5	204.7	255.7	304.9	356.7	404.3	451.7
-57.5°	0.0	25.5	53.9	97.6	140.4	186.3	230.8	276.3	320.6	363.3	403.4
-60°	0.0	23.7	47.5	87.9	125.3	167.7	206.0	247.6	285.3	323.7	357.6
-62.5°	0.0	21.9	43.8	78.1	112.4	148.9	184.1	218.8	253.8	284.3	315.4
-65°	0.0	20.1	40.1	68.0	99.3	129.9	162.1	191.3	222.5	249.6	273.4
-67.5°	0.0	18.2	36.3	57.9	86.1	112.3	140.0	166.7	191.2	216.3	236.5
-70°	0.0	16.2	32.5	47.6	72.8	96.0	117.7	142.1	164.1	183.3	202.2
-72.5°	0.0	14.3	28.5	41.0	59.3	79.7	98.3	117.4	137.1	154.3	168.9
-75°	0.0	12.3	24.6	35.2	45.7	63.2	79.2	95.0	110.1	125.4	138.5
-77.5°	0.0	10.3	20.5	29.4	37.1	46.6	60.0	73.5	86.0	97.4	108.2
-80°	0.0	8.2	16.5	23.5	29.7	35.1	40.8	51.9	62.1	71.5	79.9
-82.5°	0.0	6.2	12.4	17.7	22.3	26.4	29.7	33.7	38.2	45.6	52.2
-85°	0.0	4.1	8.3	11.8	14.9	17.6	19.8	22.5	25.0	27.2	29.3
-87.5°	0.0	2.1	4.1	5.9	7.4	8.8	9.9	11.2	12.5	13.6	14.7
-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°	15.8	16.9	17.9	18.9	19.7	20.5	21.3	21.9	22.9	23.7	24.6
85°	31.6	33.8	37.4	40.4	43.1	45.5	47.5	49.2	51.0	52.4	53.6
82.5°	58.1	63.0	66.9	69.8	73.2	76.1	78.6	80.8	83.1	85.2	87.0
80°	86.9	92.4	98.1	103.1	107.9	111.6	113.9	114.8	117.7	121.4	125.2
77.5°	117.8	126.2	133.6	139.9	145.1	149.7	153.0	155.0	159.6	164.9	169.5
75°	149.8	160.1	170.3	179.3	186.3	191.6	195.4	198.6	204.1	211.1	217.0
72.5°	183.2	197.0	209.1	219.5	229.1	236.4	241.8	245.3	250.8	259.0	265.7
70°	218.4	234.1	250.5	264.0	274.1	282.7	289.8	294.8	299.8	308.1	314.3
67.5°	254.7	277.2	295.4	309.7	321.0	331.5	339.5	344.8	347.0	355.4	362.4
65°	297.6	321.7	341.9	357.9	369.2	382.2	391.2	395.6	397.1	406.2	414.8
62.5°	341.3	367.9	390.1	408.4	423.1	435.5	445.5	451.2	452.2	459.0	468.8
60°	387.9	415.1	441.5	463.6	479.4	492.1	503.0	509.0	510.2	513.0	524.3
57.5°	436.4	465.8	496.7	521.5	539.9	550.4	562.4	569.0	571.6	570.0	581.7
55°	489.3	519.9	554.7	583.6	603.3	612.8	623.9	633.4	636.7	634.6	641.5
52.5°	549.1	579.6	616.8	648.5	670.4	681.9	689.7	701.2	706.4	704.1	702.7
50°	612.0	650.4	681.1	717.4	743.9	758.9	759.1	773.4	780.2	778.1	768.7
47.5°	683.3	726.5	749.8	791.4	825.7	843.5	844.7	850.3	858.8	861.0	853.0
45°	760.2	813.0	838.0	875.2	913.6	935.3	941.9	931.7	946.9	951.6	946.5
42.5°	841.2	908.6	948.1	963.2	1007.9	1038.1	1049.8	1042.6	1041.8	1052.4	1052.2
40°	934.8	1012.2	1071.5	1087.2	1109.8	1151.5	1176.1	1174.8	1147.1	1166.8	1172.0
37.5°	1034.9	1135.4	1208.7	1241.3	1224.2	1279.7	1315.8	1330.5	1313.3	1293.9	1316.0
35°	1140.2	1267.2	1366.0	1421.6	1424.1	1422.7	1479.3	1509.7	1511.7	1476.3	1484.3
32.5°	1258.1	1407.1	1538.0	1627.9	1668.7	1643.4	1658.2	1721.9	1753.1	1739.6	1688.6
30°	1384.6	1567.6	1728.0	1854.8	1945.9	1972.8	1912.0	1961.7	2030.9	2058.6	2036.4
27.5°	1512.6	1737.7	1941.2	2116.9	2258.2	2347.7	2349.8	2273.0	2351.5	2418.1	2443.8
25°	1642.7	1908.1	2167.3	2405.5	2619.2	2773.1	2844.0	2852.2	2742.5	2842.3	2935.2
22.5°	1781.2	2083.3	2390.9	2712.8	3010.6	3236.6	3408.4	3511.8	3508.5	3403.8	3485.5
20°	1927.9	2274.0	2632.2	3014.0	3420.2	3730.9	4018.7	4238.8	4371.3	4415.4	4329.6
17.5°	2074.2	2466.4	2885.5	3340.2	3810.3	4241.0	4672.3	5023.5	5301.8	5530.2	5612.0
15°	2218.8	2658.4	3139.8	3668.7	4212.0	4751.0	5305.5	5843.4	6317.0	6735.0	6982.8
12.5°	2360.0	2847.7	3392.1	3995.6	4619.2	5268.0	5929.7	6585.0	7267.2	7944.3	8458.8
10°	2496.2	3032.1	3639.2	4316.9	5026.0	5784.9	6552.8	7330.5	8159.2	8957.7	9726.5
7.5°	2554.4	3152.6	3852.1	4628.2	5426.0	6293.7	7166.4	8069.3	9037.5	9969.3	10908.0
5°	2590.3	3200.4	3911.9	4720.4	5608.0	6625.9	7667.1	8785.5	9890.4	10963.2	12069.3
2.5°	2614.1	3233.1	3951.8	4756.9	5635.1	6680.4	7734.8	8896.0	10135.7	11376.0	12693.0
0°	2625.9	3250.4	3971.7	4767.9	5631.6	6698.1	7760.9	8958.8	10215.1	11476.9	12824.6
-2.5°	2614.1	3233.1	3951.8	4756.9	5635.1	6680.4	7734.8	8896.0	10135.7	11376.0	12693.0
-5°	2590.3	3200.4	3911.9	4720.4	5608.0	6625.9	7667.1	8785.5	9890.4	10963.2	12069.3
-7.5°	2554.4	3152.6	3852.1	4628.2	5426.0	6293.7	7166.4	8069.3	9037.5	9969.3	10908.0
-10°	2496.2	3032.1	3639.2	4316.9	5026.0	5784.9	6552.8	7330.5	8159.2	8957.7	9726.5
-12.5°	2360.0	2847.7	3392.1	3995.6	4619.2	5268.0	5929.7	6585.0	7267.2	7944.3	8458.8
-15°	2218.8	2658.4	3139.8	3668.7	4212.0	4751.0	5305.5	5843.4	6317.0	6735.0	6982.8
-17.5°	2074.2	2466.4	2885.5	3340.2	3810.3	4241.0	4672.3	5023.5	5301.8	5530.2	5612.0
-20°	1927.9	2274.0	2632.2	3014.0	3420.2	3730.9	4018.7	4238.8	4371.3	4415.4	4329.6



REPORT NUMBER: P559142 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6B-930-U-NAT-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1781.2	2083.3	2390.9	2712.8	3010.6	3236.6	3408.4	3511.8	3508.5	3403.8	3485.5
-25°	1642.7	1908.1	2167.3	2405.5	2619.2	2773.1	2844.0	2852.2	2742.5	2842.3	2935.2
-27.5°	1512.6	1737.7	1941.2	2116.9	2258.2	2347.7	2349.8	2273.0	2351.5	2418.1	2443.8
-30°	1384.6	1567.6	1728.0	1854.8	1945.9	1972.8	1912.0	1961.7	2030.9	2058.6	2036.4
-32.5°	1258.1	1407.1	1538.0	1627.9	1668.7	1643.4	1658.2	1721.9	1753.1	1739.6	1688.6
-35°	1140.2	1267.2	1366.0	1421.6	1424.1	1422.7	1479.3	1509.7	1511.7	1476.3	1484.3
-37.5°	1034.9	1135.4	1208.7	1241.3	1224.2	1279.7	1315.8	1330.5	1313.3	1293.9	1316.0
-40°	934.8	1012.2	1071.5	1087.2	1109.8	1151.5	1176.1	1174.8	1147.1	1166.8	1172.0
-42.5°	841.2	908.6	948.1	963.2	1007.9	1038.1	1049.8	1042.6	1041.8	1052.4	1052.2
-45°	760.2	813.0	838.0	875.2	913.6	935.3	941.9	931.7	946.9	951.6	946.5
-47.5°	683.3	726.5	749.8	791.4	825.7	843.5	844.7	850.3	858.8	861.0	853.0
-50°	612.0	650.4	681.1	717.4	743.9	758.9	759.1	773.4	780.2	778.1	768.7
-52.5°	549.1	579.6	616.8	648.5	670.4	681.9	689.7	701.2	706.4	704.1	702.7
-55°	489.3	519.9	554.7	583.6	603.3	612.8	623.9	633.4	636.7	634.6	641.5
-57.5°	436.4	465.8	496.7	521.5	539.9	550.4	562.4	569.0	571.6	570.0	581.7
-60°	387.9	415.1	441.5	463.6	479.4	492.1	503.0	509.0	510.2	513.0	524.3
-62.5°	341.3	367.9	390.1	408.4	423.1	435.5	445.5	451.2	452.2	459.0	468.8
-65°	297.6	321.7	341.9	357.9	369.2	382.2	391.2	395.6	397.1	406.2	414.8
-67.5°	254.7	277.2	295.4	309.7	321.0	331.5	339.5	344.8	347.0	355.4	362.4
-70°	218.4	234.1	250.5	264.0	274.1	282.7	289.8	294.8	299.8	308.1	314.3
-72.5°	183.2	197.0	209.1	219.5	229.1	236.4	241.8	245.3	250.8	259.0	265.7
-75°	149.8	160.1	170.3	179.3	186.3	191.6	195.4	198.6	204.1	211.1	217.0
-77.5°	117.8	126.2	133.6	139.9	145.1	149.7	153.0	155.0	159.6	164.9	169.5
-80°	86.9	92.4	98.1	103.1	107.9	111.6	113.9	114.8	117.7	121.4	125.2
-82.5°	58.1	63.0	66.9	69.8	73.2	76.1	78.6	80.8	83.1	85.2	87.0
-85°	31.6	33.8	37.4	40.4	43.1	45.5	47.5	49.2	51.0	52.4	53.6
-87.5°	15.8	16.9	17.9	18.9	19.7	20.5	21.3	21.9	22.9	23.7	24.6
-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: P559142 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	25.4	25.0	24.5	23.9	23.2	23.2	23.2	23.1	22.9	22.7	22.5
85°	54.4	55.4	56.4	57.3	58.2	59.1	60.0	60.6	61.2	61.1	60.9
82.5°	88.5	91.5	94.4	97.2	99.8	101.2	102.2	102.9	103.3	104.1	104.8
80°	128.5	132.8	136.8	140.2	142.9	144.9	146.5	147.8	148.8	149.9	150.6
77.5°	173.8	178.7	183.3	187.4	190.9	194.1	196.9	199.1	200.8	203.3	205.6
75°	222.0	227.5	233.2	238.4	242.9	247.7	252.4	256.8	260.7	264.0	266.4
72.5°	270.8	276.5	283.6	290.1	296.2	302.7	309.1	314.7	319.5	324.1	328.1
70°	318.9	324.3	333.3	342.1	350.3	358.1	365.7	372.6	378.7	384.6	389.9
67.5°	368.6	374.3	385.5	395.7	404.7	413.3	422.2	430.2	437.1	443.3	448.7
65°	421.6	426.6	438.8	449.9	459.4	467.4	477.1	485.8	493.6	500.4	506.2
62.5°	476.4	481.4	491.5	502.4	511.5	519.2	530.6	540.4	548.7	555.7	561.5
60°	532.1	536.4	544.2	556.2	566.4	574.8	584.8	594.3	602.4	609.2	615.3
57.5°	589.9	594.2	598.0	610.1	619.9	627.5	636.2	645.6	653.4	659.9	666.2
55°	649.5	652.9	651.8	662.9	672.2	678.4	684.9	694.8	702.5	708.3	714.0
52.5°	710.6	714.6	711.9	716.6	726.6	732.2	735.0	745.7	753.7	758.8	764.1
50°	778.6	781.8	779.3	776.5	786.3	792.2	793.8	802.4	809.6	813.6	817.3
47.5°	852.3	856.1	854.2	843.6	852.2	859.6	859.8	863.5	871.0	874.0	876.3
45°	932.4	940.0	938.4	930.9	929.7	937.3	936.6	933.6	942.2	946.1	947.4
42.5°	1037.6	1035.1	1037.5	1033.2	1019.9	1028.4	1029.5	1018.7	1029.6	1034.3	1031.5
40°	1166.3	1142.8	1155.8	1153.8	1141.5	1139.6	1146.3	1137.5	1139.2	1145.8	1140.7
37.5°	1319.5	1302.7	1295.7	1301.5	1297.9	1282.0	1294.6	1291.5	1281.5	1292.8	1287.8
35°	1508.0	1503.0	1465.2	1488.2	1493.0	1477.9	1482.2	1488.8	1467.1	1484.1	1482.3
32.5°	1728.5	1739.7	1731.5	1717.3	1738.8	1741.5	1716.7	1746.6	1734.5	1738.8	1750.6
30°	1978.1	2035.4	2063.3	2038.4	2051.8	2078.5	2066.3	2087.0	2097.0	2081.4	2110.8
27.5°	2414.3	2394.0	2460.8	2489.9	2458.8	2507.4	2542.7	2527.1	2578.7	2548.1	2591.8
25°	2968.6	2938.8	2956.6	3052.8	3074.1	3049.4	3148.9	3160.6	3201.6	3206.6	3237.1
22.5°	3619.9	3692.0	3683.6	3712.8	3833.5	3873.9	3910.7	4006.4	3984.6	4071.3	4086.4
20°	4348.1	4529.2	4654.0	4680.3	4731.9	4870.7	4934.3	5009.8	5060.5	5142.7	5212.1
17.5°	5579.9	5487.0	5731.9	5885.7	5966.5	5995.4	6162.5	6217.0	6342.6	6414.3	6485.5
15°	7161.5	7215.6	7105.1	7251.7	7499.3	7583.0	7486.8	7711.3	7774.4	7895.2	7916.6
12.5°	8852.0	9125.7	9259.8	9296.2	9166.9	9519.1	9660.2	9483.1	9684.0	9647.8	9813.1
10°	10465.0	11130.0	11527.9	11807.9	11978.1	12080.6	12182.5	12365.6	12368.8	12504.4	12425.1
7.5°	11789.3	12632.3	13437.6	14218.9	14843.8	15194.2	15469.3	15733.1	16085.1	16253.7	16363.3
5°	13084.9	14057.5	15021.1	15968.2	16825.7	17650.8	18459.5	19160.9	19532.6	19967.0	20354.3
2.5°	13922.8	15153.1	16383.8	17602.7	18593.6	19502.9	20344.5	21126.2	21811.9	22446.3	22982.0
0°	14086.4	15463.3	16747.0	17963.2	19078.9	20202.0	21182.6	22066.4	22813.3	23487.1	23941.8
-2.5°	13922.8	15153.1	16383.8	17602.7	18593.6	19502.9	20344.5	21126.2	21811.9	22446.3	22982.0
-5°	13084.9	14057.5	15021.1	15968.2	16825.7	17650.8	18459.5	19160.9	19532.6	19967.0	20354.3
-7.5°	11789.3	12632.3	13437.6	14218.9	14843.8	15194.2	15469.3	15733.1	16085.1	16253.7	16363.3
-10°	10465.0	11130.0	11527.9	11807.9	11978.1	12080.6	12182.5	12365.6	12368.8	12504.4	12425.1
-12.5°	8852.0	9125.7	9259.8	9296.2	9166.9	9519.1	9660.2	9483.1	9684.0	9647.8	9813.1
-15°	7161.5	7215.6	7105.1	7251.7	7499.3	7583.0	7486.8	7711.3	7774.4	7895.2	7916.6
-17.5°	5579.9	5487.0	5731.9	5885.7	5966.5	5995.4	6162.5	6217.0	6342.6	6414.3	6485.5
-20°	4348.1	4529.2	4654.0	4680.3	4731.9	4870.7	4934.3	5009.8	5060.5	5142.7	5212.1



REPORT NUMBER: P559142 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6B-930-U-NAT-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3619.9	3692.0	3683.6	3712.8	3833.5	3873.9	3910.7	4006.4	3984.6	4071.3	4086.4
-25°	2968.6	2938.8	2956.6	3052.8	3074.1	3049.4	3148.9	3160.6	3201.6	3206.6	3237.1
-27.5°	2414.3	2394.0	2460.8	2489.9	2458.8	2507.4	2542.7	2527.1	2578.7	2548.1	2591.8
-30°	1978.1	2035.4	2063.3	2038.4	2051.8	2078.5	2066.3	2087.0	2097.0	2081.4	2110.8
-32.5°	1728.5	1739.7	1731.5	1717.3	1738.8	1741.5	1716.7	1746.6	1734.5	1738.8	1750.6
-35°	1508.0	1503.0	1465.2	1488.2	1493.0	1477.9	1482.2	1488.8	1467.1	1484.1	1482.3
-37.5°	1319.5	1302.7	1295.7	1301.5	1297.9	1282.0	1294.6	1291.5	1281.5	1292.8	1287.8
-40°	1166.3	1142.8	1155.8	1153.8	1141.5	1139.6	1146.3	1137.5	1139.2	1145.8	1140.7
-42.5°	1037.6	1035.1	1037.5	1033.2	1019.9	1028.4	1029.5	1018.7	1029.6	1034.3	1031.5
-45°	932.4	940.0	938.4	930.9	929.7	937.3	936.6	933.6	942.2	946.1	947.4
-47.5°	852.3	856.1	854.2	843.6	852.2	859.6	859.8	863.5	871.0	874.0	876.3
-50°	778.6	781.8	779.3	776.5	786.3	792.2	793.8	802.4	809.6	813.6	817.3
-52.5°	710.6	714.6	711.9	716.6	726.6	732.2	735.0	745.7	753.7	758.8	764.1
-55°	649.5	652.9	651.8	662.9	672.2	678.4	684.9	694.8	702.5	708.3	714.0
-57.5°	589.9	594.2	598.0	610.1	619.9	627.5	636.2	645.6	653.4	659.9	666.2
-60°	532.1	536.4	544.2	556.2	566.4	574.8	584.8	594.3	602.4	609.2	615.3
-62.5°	476.4	481.4	491.5	502.4	511.5	519.2	530.6	540.4	548.7	555.7	561.5
-65°	421.6	426.6	438.8	449.9	459.4	467.4	477.1	485.8	493.6	500.4	506.2
-67.5°	368.6	374.3	385.5	395.7	404.7	413.3	422.2	430.2	437.1	443.3	448.7
-70°	318.9	324.3	333.3	342.1	350.3	358.1	365.7	372.6	378.7	384.6	389.9
-72.5°	270.8	276.5	283.6	290.1	296.2	302.7	309.1	314.7	319.5	324.1	328.1
-75°	222.0	227.5	233.2	238.4	242.9	247.7	252.4	256.8	260.7	264.0	266.4
-77.5°	173.8	178.7	183.3	187.4	190.9	194.1	196.9	199.1	200.8	203.3	205.6
-80°	128.5	132.8	136.8	140.2	142.9	144.9	146.5	147.8	148.8	149.9	150.6
-82.5°	88.5	91.5	94.4	97.2	99.8	101.2	102.2	102.9	103.3	104.1	104.8
-85°	54.4	55.4	56.4	57.3	58.2	59.1	60.0	60.6	61.2	61.1	60.9
-87.5°	25.4	25.0	24.5	23.9	23.2	23.2	23.2	23.1	22.9	22.7	22.5
-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: P559142 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6B-930-U-NAT-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°	22.2	21.8	22.8	23.7	22.8	21.8	22.2	22.5	22.7	22.9	23.1
85°	60.5	60.0	61.1	62.1	61.1	60.0	60.5	60.9	61.1	61.2	60.6
82.5°	105.2	105.4	105.8	105.9	105.8	105.4	105.2	104.8	104.1	103.3	102.9
80°	150.9	150.9	150.5	149.7	150.5	150.9	150.9	150.6	149.9	148.8	147.8
77.5°	207.5	208.9	209.7	210.0	209.7	208.9	207.5	205.6	203.3	200.8	199.1
75°	268.1	269.0	269.0	268.4	269.0	269.0	268.1	266.4	264.0	260.7	256.8
72.5°	331.5	334.2	334.7	334.2	334.7	334.2	331.5	328.1	324.1	319.5	314.7
70°	394.3	397.8	397.7	396.3	397.7	397.8	394.3	389.9	384.6	378.7	372.6
67.5°	453.0	456.1	458.6	460.2	458.6	456.1	453.0	448.7	443.3	437.1	430.2
65°	510.9	514.3	516.2	516.8	516.2	514.3	510.9	506.2	500.4	493.6	485.8
62.5°	565.9	569.1	571.0	571.6	571.0	569.1	565.9	561.5	555.7	548.7	540.4
60°	620.1	623.5	624.1	622.7	624.1	623.5	620.1	615.3	609.2	602.4	594.3
57.5°	671.1	674.7	674.6	672.0	674.6	674.7	671.1	666.2	659.9	653.4	645.6
55°	718.2	720.7	721.7	721.3	721.7	720.7	718.2	714.0	708.3	702.5	694.8
52.5°	768.0	770.0	770.9	770.6	770.9	770.0	768.0	764.1	758.8	753.7	745.7
50°	820.0	820.2	820.2	819.9	820.2	820.2	820.0	817.3	813.6	809.6	802.4
47.5°	879.4	880.1	880.2	880.2	880.2	880.1	879.4	876.3	874.0	871.0	863.5
45°	949.7	947.8	945.7	945.9	945.7	947.8	949.7	947.4	946.1	942.2	933.6
42.5°	1034.0	1031.9	1029.2	1029.9	1029.2	1031.9	1034.0	1031.5	1034.3	1029.6	1018.7
40°	1145.2	1144.6	1140.9	1139.5	1140.9	1144.6	1145.2	1140.7	1145.8	1139.2	1137.5
37.5°	1288.6	1286.5	1278.1	1274.6	1278.1	1286.5	1288.6	1287.8	1292.8	1281.5	1291.5
35°	1477.3	1474.5	1461.7	1462.7	1461.7	1474.5	1477.3	1482.3	1484.1	1467.1	1488.8
32.5°	1744.7	1745.7	1726.4	1722.0	1726.4	1745.7	1744.7	1750.6	1738.8	1734.5	1746.6
30°	2092.5	2100.2	2077.5	2087.2	2077.5	2100.2	2092.5	2110.8	2081.4	2097.0	2087.0
27.5°	2591.0	2605.6	2585.5	2569.3	2585.5	2605.6	2591.0	2591.8	2548.1	2578.7	2527.1
25°	3277.1	3287.9	3265.0	3245.0	3265.0	3287.9	3277.1	3237.1	3206.6	3201.6	3160.6
22.5°	4170.2	4169.5	4168.3	4200.0	4168.3	4169.5	4170.2	4086.4	4071.3	3984.6	4006.4
20°	5257.0	5230.6	5270.1	5295.6	5270.1	5230.6	5257.0	5212.1	5142.7	5060.5	5009.8
17.5°	6502.1	6551.4	6589.3	6652.4	6589.3	6551.4	6502.1	6485.5	6414.3	6342.6	6217.0
15°	7970.2	8044.6	8082.5	8062.2	8082.5	8044.6	7970.2	7916.6	7895.2	7774.4	7711.3
12.5°	9818.9	9907.8	9842.1	9760.4	9842.1	9907.8	9818.9	9813.1	9647.8	9684.0	9483.1
10°	12426.3	12617.7	12628.5	12468.5	12628.5	12617.7	12426.3	12425.1	12504.4	12368.8	12365.6
7.5°	16426.9	16520.0	16661.3	16668.5	16661.3	16520.0	16426.9	16363.3	16253.7	16085.1	15733.1
5°	20529.8	20777.6	20937.4	21213.6	20937.4	20777.6	20529.8	20354.3	19967.0	19532.6	19160.9
2.5°	23328.0	23648.3	23771.2	24084.2	23771.2	23648.3	23328.0	22982.0	22446.3	21811.9	21126.2
0°	24347.2	24606.5	24761.7	24885.9	24761.7	24606.5	24347.2	23941.8	23487.1	22813.3	22066.4
-2.5°	23328.0	23648.3	23771.2	24084.2	23771.2	23648.3	23328.0	22982.0	22446.3	21811.9	21126.2
-5°	20529.8	20777.6	20937.4	21213.6	20937.4	20777.6	20529.8	20354.3	19967.0	19532.6	19160.9
-7.5°	16426.9	16520.0	16661.3	16668.5	16661.3	16520.0	16426.9	16363.3	16253.7	16085.1	15733.1
-10°	12426.3	12617.7	12628.5	12468.5	12628.5	12617.7	12426.3	12425.1	12504.4	12368.8	12365.6
-12.5°	9818.9	9907.8	9842.1	9760.4	9842.1	9907.8	9818.9	9813.1	9647.8	9684.0	9483.1
-15°	7970.2	8044.6	8082.5	8062.2	8082.5	8044.6	7970.2	7916.6	7895.2	7774.4	7711.3
-17.5°	6502.1	6551.4	6589.3	6652.4	6589.3	6551.4	6502.1	6485.5	6414.3	6342.6	6217.0
-20°	5257.0	5230.6	5270.1	5295.6	5270.1	5230.6	5257.0	5212.1	5142.7	5060.5	5009.8



REPORT NUMBER: P559142 (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°	4170.2	4169.5	4168.3	4200.0	4168.3	4169.5	4170.2	4086.4	4071.3	3984.6	4006.4
-25°	3277.1	3287.9	3265.0	3245.0	3265.0	3287.9	3277.1	3237.1	3206.6	3201.6	3160.6
-27.5°	2591.0	2605.6	2585.5	2569.3	2585.5	2605.6	2591.0	2591.8	2548.1	2578.7	2527.1
-30°	2092.5	2100.2	2077.5	2087.2	2077.5	2100.2	2092.5	2110.8	2081.4	2097.0	2087.0
-32.5°	1744.7	1745.7	1726.4	1722.0	1726.4	1745.7	1744.7	1750.6	1738.8	1734.5	1746.6
-35°	1477.3	1474.5	1461.7	1462.7	1461.7	1474.5	1477.3	1482.3	1484.1	1467.1	1488.8
-37.5°	1288.6	1286.5	1278.1	1274.6	1278.1	1286.5	1288.6	1287.8	1292.8	1281.5	1291.5
-40°	1145.2	1144.6	1140.9	1139.5	1140.9	1144.6	1145.2	1140.7	1145.8	1139.2	1137.5
-42.5°	1034.0	1031.9	1029.2	1029.9	1029.2	1031.9	1034.0	1031.5	1034.3	1029.6	1018.7
-45°	949.7	947.8	945.7	945.9	945.7	947.8	949.7	947.4	946.1	942.2	933.6
-47.5°	879.4	880.1	880.2	880.2	880.2	880.1	879.4	876.3	874.0	871.0	863.5
-50°	820.0	820.2	820.2	819.9	820.2	820.2	820.0	817.3	813.6	809.6	802.4
-52.5°	768.0	770.0	770.9	770.6	770.9	770.0	768.0	764.1	758.8	753.7	745.7
-55°	718.2	720.7	721.7	721.3	721.7	720.7	718.2	714.0	708.3	702.5	694.8
-57.5°	671.1	674.7	674.6	672.0	674.6	674.7	671.1	666.2	659.9	653.4	645.6
-60°	620.1	623.5	624.1	622.7	624.1	623.5	620.1	615.3	609.2	602.4	594.3
-62.5°	565.9	569.1	571.0	571.6	571.0	569.1	565.9	561.5	555.7	548.7	540.4
-65°	510.9	514.3	516.2	516.8	516.2	514.3	510.9	506.2	500.4	493.6	485.8
-67.5°	453.0	456.1	458.6	460.2	458.6	456.1	453.0	448.7	443.3	437.1	430.2
-70°	394.3	397.8	397.7	396.3	397.7	397.8	394.3	389.9	384.6	378.7	372.6
-72.5°	331.5	334.2	334.7	334.2	334.7	334.2	331.5	328.1	324.1	319.5	314.7
-75°	268.1	269.0	269.0	268.4	269.0	269.0	268.1	266.4	264.0	260.7	256.8
-77.5°	207.5	208.9	209.7	210.0	209.7	208.9	207.5	205.6	203.3	200.8	199.1
-80°	150.9	150.9	150.5	149.7	150.5	150.9	150.9	150.6	149.9	148.8	147.8
-82.5°	105.2	105.4	105.8	105.9	105.8	105.4	105.2	104.8	104.1	103.3	102.9
-85°	60.5	60.0	61.1	62.1	61.1	60.0	60.5	60.9	61.1	61.2	60.6
-87.5°	22.2	21.8	22.8	23.7	22.8	21.8	22.2	22.5	22.7	22.9	23.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P559142 (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°	23.2	23.2	23.2	23.9	24.5	25.0	25.4	24.6	23.7	22.9	21.9
85°	60.0	59.1	58.2	57.3	56.4	55.4	54.4	53.6	52.4	51.0	49.2
82.5°	102.2	101.2	99.8	97.2	94.4	91.5	88.5	87.0	85.2	83.1	80.8
80°	146.5	144.9	142.9	140.2	136.8	132.8	128.5	125.2	121.4	117.7	114.8
77.5°	196.9	194.1	190.9	187.4	183.3	178.7	173.8	169.5	164.9	159.6	155.0
75°	252.4	247.7	242.9	238.4	233.2	227.5	222.0	217.0	211.1	204.1	198.6
72.5°	309.1	302.7	296.2	290.1	283.6	276.5	270.8	265.7	259.0	250.8	245.3
70°	365.7	358.1	350.3	342.1	333.3	324.3	318.9	314.3	308.1	299.8	294.8
67.5°	422.2	413.3	404.7	395.7	385.5	374.3	368.6	362.4	355.4	347.0	344.8
65°	477.1	467.4	459.4	449.9	438.8	426.6	421.6	414.8	406.2	397.1	395.6
62.5°	530.6	519.2	511.5	502.4	491.5	481.4	476.4	468.8	459.0	452.2	451.2
60°	584.8	574.8	566.4	556.2	544.2	536.4	532.1	524.3	513.0	510.2	509.0
57.5°	636.2	627.5	619.9	610.1	598.0	594.2	589.9	581.7	570.0	571.6	569.0
55°	684.9	678.4	672.2	662.9	651.8	652.9	649.5	641.5	634.6	636.7	633.4
52.5°	735.0	732.2	726.6	716.6	711.9	714.6	710.6	702.7	704.1	706.4	701.2
50°	793.8	792.2	786.3	776.5	779.3	781.8	778.6	768.7	778.1	780.2	773.4
47.5°	859.8	859.6	852.2	843.6	854.2	856.1	852.3	853.0	861.0	858.8	850.3
45°	936.6	937.3	929.7	930.9	938.4	940.0	932.4	946.5	951.6	946.9	931.7
42.5°	1029.5	1028.4	1019.9	1033.2	1037.5	1035.1	1037.6	1052.2	1052.4	1041.8	1042.6
40°	1146.3	1139.6	1141.5	1153.8	1155.8	1142.8	1166.3	1172.0	1166.8	1147.1	1174.8
37.5°	1294.6	1282.0	1297.9	1301.5	1295.7	1302.7	1319.5	1316.0	1293.9	1313.3	1330.5
35°	1482.2	1477.9	1493.0	1488.2	1465.2	1503.0	1508.0	1484.3	1476.3	1511.7	1509.7
32.5°	1716.7	1741.5	1738.8	1717.3	1731.5	1739.7	1728.5	1688.6	1739.6	1753.1	1721.9
30°	2066.3	2078.5	2051.8	2038.4	2063.3	2035.4	1978.1	2036.4	2058.6	2030.9	1961.7
27.5°	2542.7	2507.4	2458.8	2489.9	2460.8	2394.0	2414.3	2443.8	2418.1	2351.5	2273.0
25°	3148.9	3049.4	3074.1	3052.8	2956.6	2938.8	2968.6	2935.2	2842.3	2742.5	2852.2
22.5°	3910.7	3873.9	3833.5	3712.8	3683.6	3692.0	3619.9	3485.5	3403.8	3508.5	3511.8
20°	4934.3	4870.7	4731.9	4680.3	4654.0	4529.2	4348.1	4329.6	4415.4	4371.3	4238.8
17.5°	6162.5	5995.4	5966.5	5885.7	5731.9	5487.0	5579.9	5612.0	5530.2	5301.8	5023.5
15°	7486.8	7583.0	7499.3	7251.7	7105.1	7215.6	7161.5	6982.8	6735.0	6317.0	5843.4
12.5°	9660.2	9519.1	9166.9	9296.2	9259.8	9125.7	8852.0	8458.8	7944.3	7267.2	6585.0
10°	12182.5	12080.6	11978.1	11807.9	11527.9	11130.0	10465.0	9726.5	8957.7	8159.2	7330.5
7.5°	15469.3	15194.2	14843.8	14218.9	13437.6	12632.3	11789.3	10908.0	9969.3	9037.5	8069.3
5°	18459.5	17650.8	16825.7	15968.2	15021.1	14057.5	13084.9	12069.3	10963.2	9890.4	8785.5
2.5°	20344.5	19502.9	18593.6	17602.7	16383.8	15153.1	13922.8	12693.0	11376.0	10135.7	8896.0
0°	21182.6	20202.0	19078.9	17963.2	16747.0	15463.3	14086.4	12824.6	11476.9	10215.1	8958.8
-2.5°	20344.5	19502.9	18593.6	17602.7	16383.8	15153.1	13922.8	12693.0	11376.0	10135.7	8896.0
-5°	18459.5	17650.8	16825.7	15968.2	15021.1	14057.5	13084.9	12069.3	10963.2	9890.4	8785.5
-7.5°	15469.3	15194.2	14843.8	14218.9	13437.6	12632.3	11789.3	10908.0	9969.3	9037.5	8069.3
-10°	12182.5	12080.6	11978.1	11807.9	11527.9	11130.0	10465.0	9726.5	8957.7	8159.2	7330.5
-12.5°	9660.2	9519.1	9166.9	9296.2	9259.8	9125.7	8852.0	8458.8	7944.3	7267.2	6585.0
-15°	7486.8	7583.0	7499.3	7251.7	7105.1	7215.6	7161.5	6982.8	6735.0	6317.0	5843.4
-17.5°	6162.5	5995.4	5966.5	5885.7	5731.9	5487.0	5579.9	5612.0	5530.2	5301.8	5023.5
-20°	4934.3	4870.7	4731.9	4680.3	4654.0	4529.2	4348.1	4329.6	4415.4	4371.3	4238.8



REPORT NUMBER: P559142 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6B-930-U-NAT-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3910.7	3873.9	3833.5	3712.8	3683.6	3692.0	3619.9	3485.5	3403.8	3508.5	3511.8
-25°	3148.9	3049.4	3074.1	3052.8	2956.6	2938.8	2968.6	2935.2	2842.3	2742.5	2852.2
-27.5°	2542.7	2507.4	2458.8	2489.9	2460.8	2394.0	2414.3	2443.8	2418.1	2351.5	2273.0
-30°	2066.3	2078.5	2051.8	2038.4	2063.3	2035.4	1978.1	2036.4	2058.6	2030.9	1961.7
-32.5°	1716.7	1741.5	1738.8	1717.3	1731.5	1739.7	1728.5	1688.6	1739.6	1753.1	1721.9
-35°	1482.2	1477.9	1493.0	1488.2	1465.2	1503.0	1508.0	1484.3	1476.3	1511.7	1509.7
-37.5°	1294.6	1282.0	1297.9	1301.5	1295.7	1302.7	1319.5	1316.0	1293.9	1313.3	1330.5
-40°	1146.3	1139.6	1141.5	1153.8	1155.8	1142.8	1166.3	1172.0	1166.8	1147.1	1174.8
-42.5°	1029.5	1028.4	1019.9	1033.2	1037.5	1035.1	1037.6	1052.2	1052.4	1041.8	1042.6
-45°	936.6	937.3	929.7	930.9	938.4	940.0	932.4	946.5	951.6	946.9	931.7
-47.5°	859.8	859.6	852.2	843.6	854.2	856.1	852.3	853.0	861.0	858.8	850.3
-50°	793.8	792.2	786.3	776.5	779.3	781.8	778.6	768.7	778.1	780.2	773.4
-52.5°	735.0	732.2	726.6	716.6	711.9	714.6	710.6	702.7	704.1	706.4	701.2
-55°	684.9	678.4	672.2	662.9	651.8	652.9	649.5	641.5	634.6	636.7	633.4
-57.5°	636.2	627.5	619.9	610.1	598.0	594.2	589.9	581.7	570.0	571.6	569.0
-60°	584.8	574.8	566.4	556.2	544.2	536.4	532.1	524.3	513.0	510.2	509.0
-62.5°	530.6	519.2	511.5	502.4	491.5	481.4	476.4	468.8	459.0	452.2	451.2
-65°	477.1	467.4	459.4	449.9	438.8	426.6	421.6	414.8	406.2	397.1	395.6
-67.5°	422.2	413.3	404.7	395.7	385.5	374.3	368.6	362.4	355.4	347.0	344.8
-70°	365.7	358.1	350.3	342.1	333.3	324.3	318.9	314.3	308.1	299.8	294.8
-72.5°	309.1	302.7	296.2	290.1	283.6	276.5	270.8	265.7	259.0	250.8	245.3
-75°	252.4	247.7	242.9	238.4	233.2	227.5	222.0	217.0	211.1	204.1	198.6
-77.5°	196.9	194.1	190.9	187.4	183.3	178.7	173.8	169.5	164.9	159.6	155.0
-80°	146.5	144.9	142.9	140.2	136.8	132.8	128.5	125.2	121.4	117.7	114.8
-82.5°	102.2	101.2	99.8	97.2	94.4	91.5	88.5	87.0	85.2	83.1	80.8
-85°	60.0	59.1	58.2	57.3	56.4	55.4	54.4	53.6	52.4	51.0	49.2
-87.5°	23.2	23.2	23.2	23.9	24.5	25.0	25.4	24.6	23.7	22.9	21.9
-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: P559142 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6B-930-U-NAT-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°	21.3	20.5	19.7	18.9	17.9	16.9	15.8	14.7	13.6	12.5	11.2
85°	47.5	45.5	43.1	40.4	37.4	33.8	31.6	29.3	27.2	25.0	22.5
82.5°	78.6	76.1	73.2	69.8	66.9	63.0	58.1	52.2	45.6	38.2	33.7
80°	113.9	111.6	107.9	103.1	98.1	92.4	86.9	79.9	71.5	62.1	51.9
77.5°	153.0	149.7	145.1	139.9	133.6	126.2	117.8	108.2	97.4	86.0	73.5
75°	195.4	191.6	186.3	179.3	170.3	160.1	149.8	138.5	125.4	110.1	95.0
72.5°	241.8	236.4	229.1	219.5	209.1	197.0	183.2	168.9	154.3	137.1	117.4
70°	289.8	282.7	274.1	264.0	250.5	234.1	218.4	202.2	183.3	164.1	142.1
67.5°	339.5	331.5	321.0	309.7	295.4	277.2	254.7	236.5	216.3	191.2	166.7
65°	391.2	382.2	369.2	357.9	341.9	321.7	297.6	273.4	249.6	222.5	191.3
62.5°	445.5	435.5	423.1	408.4	390.1	367.9	341.3	315.4	284.3	253.8	218.8
60°	503.0	492.1	479.4	463.6	441.5	415.1	387.9	357.6	323.7	285.3	247.6
57.5°	562.4	550.4	539.9	521.5	496.7	465.8	436.4	403.4	363.3	320.6	276.3
55°	623.9	612.8	603.3	583.6	554.7	519.9	489.3	451.7	404.3	356.7	304.9
52.5°	689.7	681.9	670.4	648.5	616.8	579.6	549.1	501.3	450.8	392.8	337.0
50°	759.1	758.9	743.9	717.4	681.1	650.4	612.0	560.2	498.1	430.9	369.6
47.5°	844.7	843.5	825.7	791.4	749.8	726.5	683.3	622.2	546.1	474.4	402.4
45°	941.9	935.3	913.6	875.2	838.0	813.0	760.2	686.4	604.6	518.9	435.3
42.5°	1049.8	1038.1	1007.9	963.2	948.1	908.6	841.2	759.6	664.6	563.3	471.6
40°	1176.1	1151.5	1109.8	1087.2	1071.5	1012.2	934.8	836.6	725.7	610.9	510.2
37.5°	1315.8	1279.7	1224.2	1241.3	1208.7	1135.4	1034.9	916.1	789.7	664.8	548.2
35°	1479.3	1422.7	1424.1	1421.6	1366.0	1267.2	1140.2	1002.3	860.7	718.5	585.7
32.5°	1658.2	1643.4	1668.7	1627.9	1538.0	1407.1	1258.1	1097.0	932.5	771.8	622.6
30°	1912.0	1972.8	1945.9	1854.8	1728.0	1567.6	1384.6	1194.0	1005.1	824.6	660.5
27.5°	2349.8	2347.7	2258.2	2116.9	1941.2	1737.7	1512.6	1292.6	1077.9	879.7	703.5
25°	2844.0	2773.1	2619.2	2405.5	2167.3	1908.1	1642.7	1392.8	1157.1	939.2	745.2
22.5°	3408.4	3236.6	3010.6	2712.8	2390.9	2083.3	1781.2	1502.3	1239.0	997.6	785.5
20°	4018.7	3730.9	3420.2	3014.0	2632.2	2274.0	1927.9	1610.9	1319.8	1054.5	824.1
17.5°	4672.3	4241.0	3810.3	3340.2	2885.5	2466.4	2074.2	1717.7	1398.7	1109.5	860.8
15°	5305.5	4751.0	4212.0	3668.7	3139.8	2658.4	2218.8	1821.8	1475.2	1162.1	889.7
12.5°	5929.7	5268.0	4619.2	3995.6	3392.1	2847.7	2360.0	1922.2	1548.5	1199.8	908.5
10°	6552.8	5784.9	5026.0	4316.9	3639.2	3032.1	2496.2	2000.5	1583.0	1223.9	924.0
7.5°	7166.4	6293.7	5426.0	4628.2	3852.1	3152.6	2554.4	2036.0	1605.8	1243.4	936.3
5°	7667.1	6625.9	5608.0	4720.4	3911.9	3200.4	2590.3	2063.5	1621.5	1258.1	945.3
2.5°	7734.8	6680.4	5635.1	4756.9	3951.8	3233.1	2614.1	2082.6	1630.4	1267.9	950.9
0°	7760.9	6698.1	5631.6	4767.9	3971.7	3250.4	2625.9	2092.7	1632.5	1272.8	953.2
-2.5°	7734.8	6680.4	5635.1	4756.9	3951.8	3233.1	2614.1	2082.6	1630.4	1267.9	950.9
-5°	7667.1	6625.9	5608.0	4720.4	3911.9	3200.4	2590.3	2063.5	1621.5	1258.1	945.3
-7.5°	7166.4	6293.7	5426.0	4628.2	3852.1	3152.6	2554.4	2036.0	1605.8	1243.4	936.3
-10°	6552.8	5784.9	5026.0	4316.9	3639.2	3032.1	2496.2	2000.5	1583.0	1223.9	924.0
-12.5°	5929.7	5268.0	4619.2	3995.6	3392.1	2847.7	2360.0	1922.2	1548.5	1199.8	908.5
-15°	5305.5	4751.0	4212.0	3668.7	3139.8	2658.4	2218.8	1821.8	1475.2	1162.1	889.7
-17.5°	4672.3	4241.0	3810.3	3340.2	2885.5	2466.4	2074.2	1717.7	1398.7	1109.5	860.8
-20°	4018.7	3730.9	3420.2	3014.0	2632.2	2274.0	1927.9	1610.9	1319.8	1054.5	824.1



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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°	3408.4	3236.6	3010.6	2712.8	2390.9	2083.3	1781.2	1502.3	1239.0	997.6	785.5
-25°	2844.0	2773.1	2619.2	2405.5	2167.3	1908.1	1642.7	1392.8	1157.1	939.2	745.2
-27.5°	2349.8	2347.7	2258.2	2116.9	1941.2	1737.7	1512.6	1292.6	1077.9	879.7	703.5
-30°	1912.0	1972.8	1945.9	1854.8	1728.0	1567.6	1384.6	1194.0	1005.1	824.6	660.5
-32.5°	1658.2	1643.4	1668.7	1627.9	1538.0	1407.1	1258.1	1097.0	932.5	771.8	622.6
-35°	1479.3	1422.7	1424.1	1421.6	1366.0	1267.2	1140.2	1002.3	860.7	718.5	585.7
-37.5°	1315.8	1279.7	1224.2	1241.3	1208.7	1135.4	1034.9	916.1	789.7	664.8	548.2
-40°	1176.1	1151.5	1109.8	1087.2	1071.5	1012.2	934.8	836.6	725.7	610.9	510.2
-42.5°	1049.8	1038.1	1007.9	963.2	948.1	908.6	841.2	759.6	664.6	563.3	471.6
-45°	941.9	935.3	913.6	875.2	838.0	813.0	760.2	686.4	604.6	518.9	435.3
-47.5°	844.7	843.5	825.7	791.4	749.8	726.5	683.3	622.2	546.1	474.4	402.4
-50°	759.1	758.9	743.9	717.4	681.1	650.4	612.0	560.2	498.1	430.9	369.6
-52.5°	689.7	681.9	670.4	648.5	616.8	579.6	549.1	501.3	450.8	392.8	337.0
-55°	623.9	612.8	603.3	583.6	554.7	519.9	489.3	451.7	404.3	356.7	304.9
-57.5°	562.4	550.4	539.9	521.5	496.7	465.8	436.4	403.4	363.3	320.6	276.3
-60°	503.0	492.1	479.4	463.6	441.5	415.1	387.9	357.6	323.7	285.3	247.6
-62.5°	445.5	435.5	423.1	408.4	390.1	367.9	341.3	315.4	284.3	253.8	218.8
-65°	391.2	382.2	369.2	357.9	341.9	321.7	297.6	273.4	249.6	222.5	191.3
-67.5°	339.5	331.5	321.0	309.7	295.4	277.2	254.7	236.5	216.3	191.2	166.7
-70°	289.8	282.7	274.1	264.0	250.5	234.1	218.4	202.2	183.3	164.1	142.1
-72.5°	241.8	236.4	229.1	219.5	209.1	197.0	183.2	168.9	154.3	137.1	117.4
-75°	195.4	191.6	186.3	179.3	170.3	160.1	149.8	138.5	125.4	110.1	95.0
-77.5°	153.0	149.7	145.1	139.9	133.6	126.2	117.8	108.2	97.4	86.0	73.5
-80°	113.9	111.6	107.9	103.1	98.1	92.4	86.9	79.9	71.5	62.1	51.9
-82.5°	78.6	76.1	73.2	69.8	66.9	63.0	58.1	52.2	45.6	38.2	33.7
-85°	47.5	45.5	43.1	40.4	37.4	33.8	31.6	29.3	27.2	25.0	22.5
-87.5°	21.3	20.5	19.7	18.9	17.9	16.9	15.8	14.7	13.6	12.5	11.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.9	8.8	7.4	5.9	4.1	2.1	0.0
85°	19.8	17.6	14.9	11.8	8.3	4.1	0.0
82.5°	29.7	26.4	22.3	17.7	12.4	6.2	0.0
80°	40.8	35.1	29.7	23.5	16.5	8.2	0.0
77.5°	60.0	46.6	37.1	29.4	20.5	10.3	0.0
75°	79.2	63.2	45.7	35.2	24.6	12.3	0.0
72.5°	98.3	79.7	59.3	41.0	28.5	14.3	0.0
70°	117.7	96.0	72.8	47.6	32.5	16.2	0.0
67.5°	140.0	112.3	86.1	57.9	36.3	18.2	0.0
65°	162.1	129.9	99.3	68.0	40.1	20.1	0.0
62.5°	184.1	148.9	112.4	78.1	43.8	21.9	0.0
60°	206.0	167.7	125.3	87.9	47.5	23.7	0.0
57.5°	230.8	186.3	140.4	97.6	53.9	25.5	0.0
55°	255.7	204.7	155.5	107.1	60.2	27.2	0.0
52.5°	280.3	223.3	170.3	116.4	66.3	28.9	0.0
50°	304.5	243.7	184.8	125.4	72.3	30.5	0.0
47.5°	329.0	263.6	199.0	134.7	78.1	32.1	0.0
45°	357.4	283.1	212.9	145.1	83.6	33.6	0.0
42.5°	385.6	302.1	226.4	155.2	89.0	35.0	0.0
40°	413.4	320.6	240.3	164.7	94.1	36.4	0.0
37.5°	441.0	338.5	254.5	173.5	99.0	37.7	0.0
35°	468.1	358.9	268.1	181.7	103.7	38.9	0.0
32.5°	495.8	380.1	281.2	189.4	108.1	40.1	0.0
30°	525.5	400.8	293.6	196.5	112.3	41.1	0.0
27.5°	554.2	420.6	304.0	203.0	116.2	42.1	0.0
25°	581.8	439.6	313.5	208.9	119.8	43.0	0.0
22.5°	608.2	456.6	322.3	214.3	123.1	43.9	0.0
20°	633.2	469.6	330.4	219.0	126.1	44.6	0.0
17.5°	652.1	480.9	337.8	223.1	128.8	45.3	0.0
15°	666.2	490.7	344.3	226.7	131.2	45.9	0.0
12.5°	678.2	498.9	350.1	229.6	133.3	46.4	0.0
10°	688.2	505.6	354.9	232.0	135.1	46.8	0.0
7.5°	696.1	510.7	358.9	233.8	136.5	47.1	0.0
5°	701.8	514.2	362.0	234.9	137.6	47.3	0.0
2.5°	705.4	516.3	364.1	235.6	138.4	47.5	0.0
0°	706.7	516.8	365.2	235.6	138.8	47.5	0.0
-2.5°	705.4	516.3	364.1	235.6	138.4	47.5	0.0
-5°	701.8	514.2	362.0	234.9	137.6	47.3	0.0
-7.5°	696.1	510.7	358.9	233.8	136.5	47.1	0.0
-10°	688.2	505.6	354.9	232.0	135.1	46.8	0.0
-12.5°	678.2	498.9	350.1	229.6	133.3	46.4	0.0
-15°	666.2	490.7	344.3	226.7	131.2	45.9	0.0
-17.5°	652.1	480.9	337.8	223.1	128.8	45.3	0.0
-20°	633.2	469.6	330.4	219.0	126.1	44.6	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	608.2	456.6	322.3	214.3	123.1	43.9	0.0
-25°	581.8	439.6	313.5	208.9	119.8	43.0	0.0
-27.5°	554.2	420.6	304.0	203.0	116.2	42.1	0.0
-30°	525.5	400.8	293.6	196.5	112.3	41.1	0.0
-32.5°	495.8	380.1	281.2	189.4	108.1	40.1	0.0
-35°	468.1	358.9	268.1	181.7	103.7	38.9	0.0
-37.5°	441.0	338.5	254.5	173.5	99.0	37.7	0.0
-40°	413.4	320.6	240.3	164.7	94.1	36.4	0.0
-42.5°	385.6	302.1	226.4	155.2	89.0	35.0	0.0
-45°	357.4	283.1	212.9	145.1	83.6	33.6	0.0
-47.5°	329.0	263.6	199.0	134.7	78.1	32.1	0.0
-50°	304.5	243.7	184.8	125.4	72.3	30.5	0.0
-52.5°	280.3	223.3	170.3	116.4	66.3	28.9	0.0
-55°	255.7	204.7	155.5	107.1	60.2	27.2	0.0
-57.5°	230.8	186.3	140.4	97.6	53.9	25.5	0.0
-60°	206.0	167.7	125.3	87.9	47.5	23.7	0.0
-62.5°	184.1	148.9	112.4	78.1	43.8	21.9	0.0
-65°	162.1	129.9	99.3	68.0	40.1	20.1	0.0
-67.5°	140.0	112.3	86.1	57.9	36.3	18.2	0.0
-70°	117.7	96.0	72.8	47.6	32.5	16.2	0.0
-72.5°	98.3	79.7	59.3	41.0	28.5	14.3	0.0
-75°	79.2	63.2	45.7	35.2	24.6	12.3	0.0
-77.5°	60.0	46.6	37.1	29.4	20.5	10.3	0.0
-80°	40.8	35.1	29.7	23.5	16.5	8.2	0.0
-82.5°	29.7	26.4	22.3	17.7	12.4	6.2	0.0
-85°	19.8	17.6	14.9	11.8	8.3	4.1	0.0
-87.5°	9.9	8.8	7.4	5.9	4.1	2.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)