

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: P558982 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-930-U-NAT-XX**

Issue Date: 7/20/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P558982 (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-SA4E-930-U-NAT-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, NARROW ASYMMETRICAL RECTANGULAR 6x4  
Light Source: (64) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

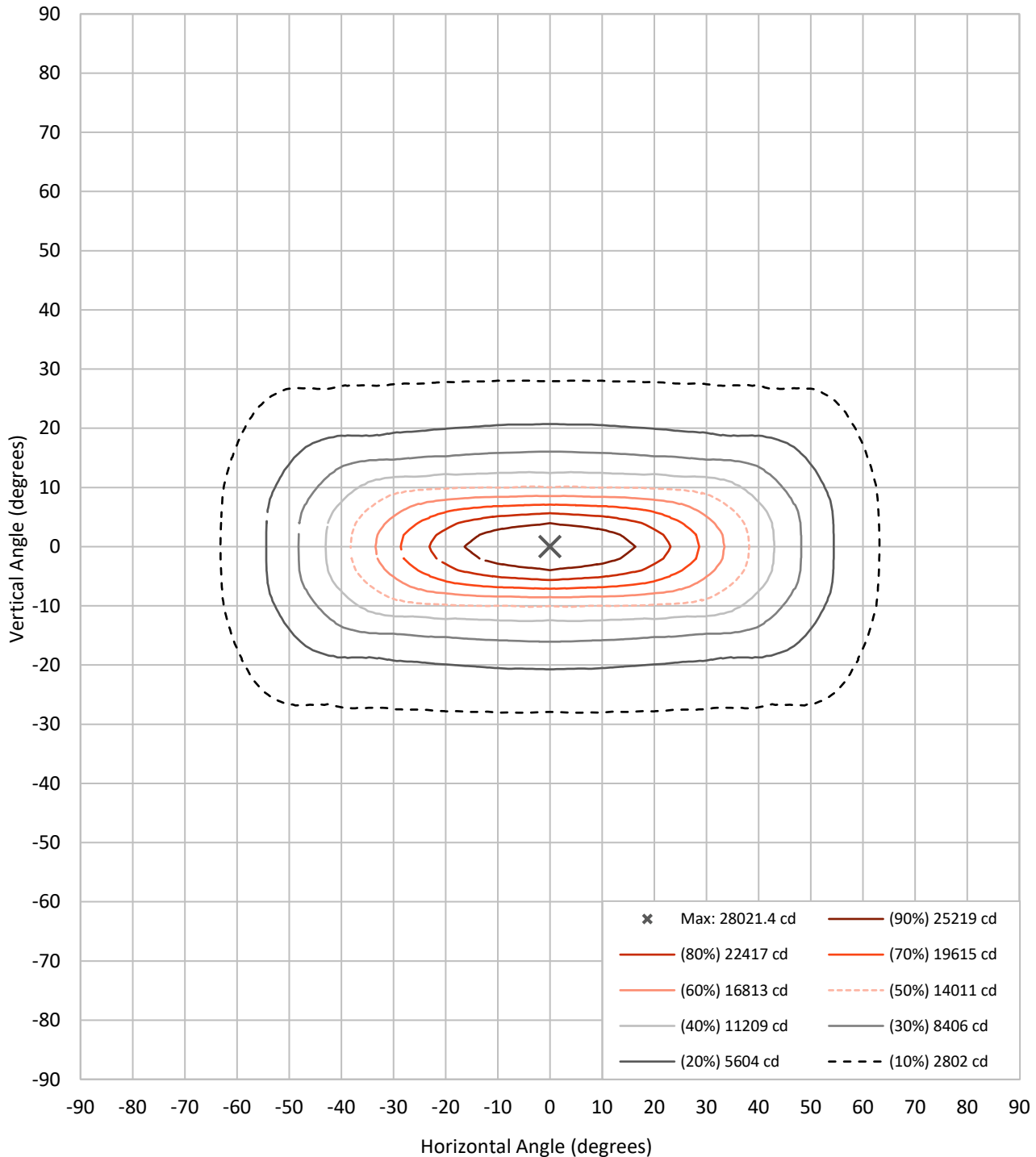
Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	20068.4 lumens	Max Intensity:	28021.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	80.3 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	76.4°H x 20°V	Field Angle (10%):	126.3°H x 55.8°V
Beam Lumens:	8029.3 lumens	Field Lumens:	16448.1 lumens
Beam Efficiency:	40.0%	Field Efficiency:	82.0%

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



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### Iso-Candela Plot





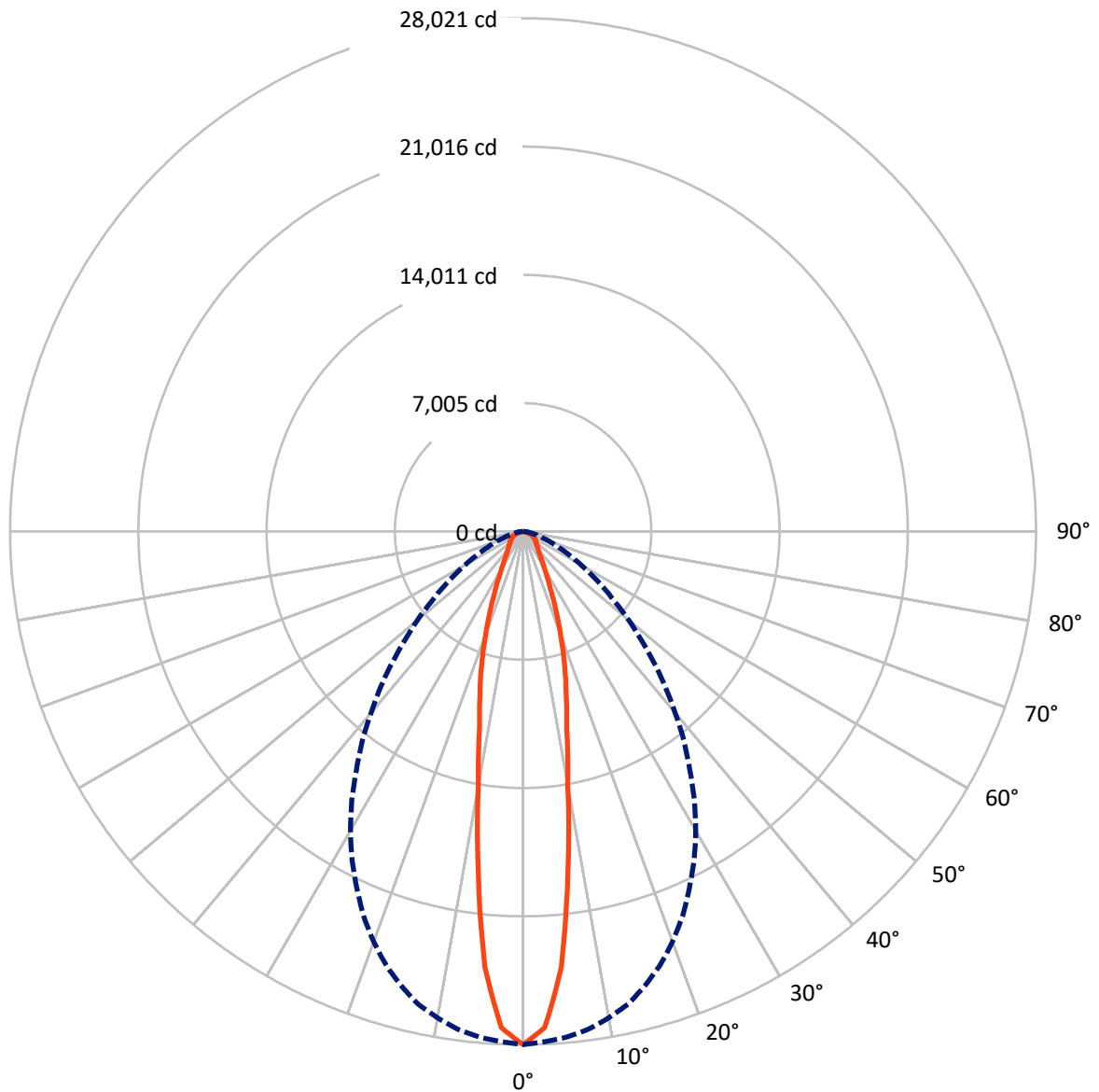
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### Lumen Table

90																			
80	1.0	6.9		14.1		20.3		23.0		20.3		14.1		6.9		1.0			
70																			
60	4.3	4.0	7.0	9.6	11.9	14.2	16.3	17.5	17.5	16.3	14.2	11.9	9.6	7.0	4.0	4.3			
50		6.6	11.4	15.3	18.2	20.9	23.3	24.6	24.6	23.3	20.9	18.2	15.3	11.4	6.6				
40	8.6	10.0	17.4	23.0	26.7	29.4	31.5	32.8	32.8	31.5	29.4	26.7	23.0	17.4	10.0	8.6			
30		14.8	27.9	36.8	42.9	47.4	50.7	52.1	52.1	50.7	47.4	42.9	36.8	27.9	14.8				
20	13.2	20.8	47.4	70.7	85.4	99.1	110.4	116.8	116.8	110.4	99.1	85.4	70.7	47.4	20.8	13.2			
10		27.4	73.2	140.7	202.4	241.2	268.6	284.1	284.1	268.6	241.2	202.4	140.7	73.2	27.4				
0	15.2	31.5	93.9	207.4	358.7	508.8	619.3	677.3	677.3	619.3	508.8	358.7	207.4	93.9	31.5	15.2			
-10		31.5	93.9	207.4	358.7	508.8	619.3	677.3	677.3	619.3	508.8	358.7	207.4	93.9	31.5				
-20	13.2	27.4	73.2	140.7	202.4	241.2	268.6	284.1	284.1	268.6	241.2	202.4	140.7	73.2	27.4	13.2			
-30		20.8	47.4	70.7	85.4	99.1	110.4	116.8	116.8	110.4	99.1	85.4	70.7	47.4	20.8				
-40	8.6	14.8	27.9	36.8	42.9	47.4	50.7	52.1	52.1	50.7	47.4	42.9	36.8	27.9	14.8	8.6			
-50		10.0	17.4	23.0	26.7	29.4	31.5	32.8	32.8	31.5	29.4	26.7	23.0	17.4	10.0				
-60	4.3	6.6	11.4	15.3	18.2	20.9	23.3	24.6	24.6	23.3	20.9	18.2	15.3	11.4	6.6	4.3			
-70		4.0	7.0	9.6	11.9	14.2	16.3	17.5	17.5	16.3	14.2	11.9	9.6	7.0	4.0				
-80																			
-90	1.0	6.9		14.1		20.3		23.0		20.3		14.1		6.9		1.0			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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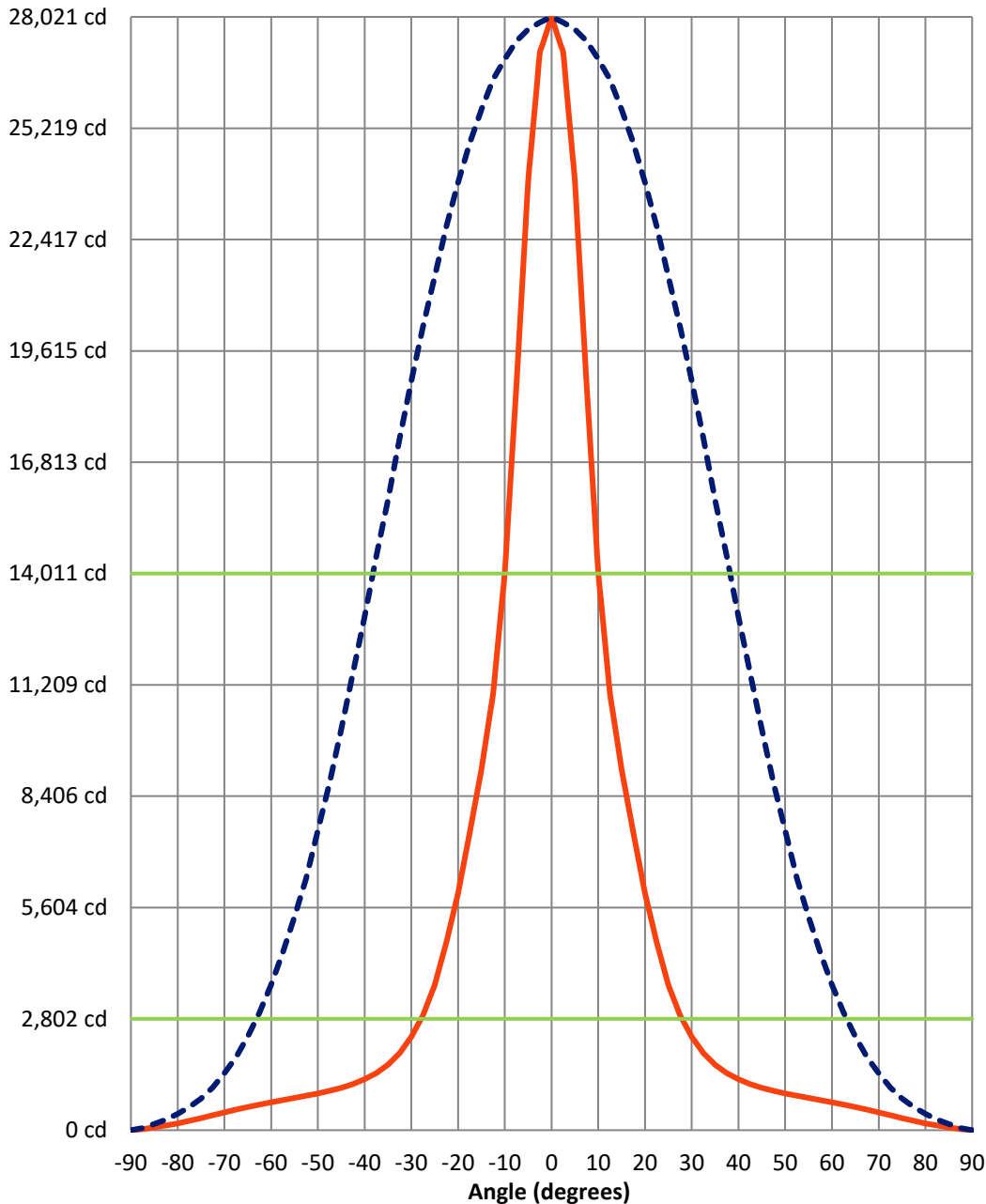
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 76.4°  
 V Angle: 20°  
 Lumens: 8029.3  
 Efficiency: 40.0%

**Field:**  
 H Angle: 126.3°  
 V Angle: 55.8°  
 Lumens: 16448.1  
 Efficiency: 82.0%

**Spill:**  
 Lumens: 3620.3  
 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	2.3	4.7	6.6	8.4	9.9	11.2	12.7	14.1	15.4	16.5
85°	0.0	4.7	9.3	13.3	16.8	19.8	22.4	25.4	28.1	30.7	33.0
82.5°	0.0	7.0	13.9	19.9	25.2	29.7	33.6	38.0	43.1	51.3	58.8
80°	0.0	9.3	18.6	26.5	33.5	39.6	46.0	58.5	70.0	80.6	90.0
77.5°	0.0	11.6	23.1	33.1	41.9	52.6	67.7	82.8	96.9	109.7	121.9
75°	0.0	13.8	27.7	39.6	51.5	71.2	89.2	107.1	124.1	141.3	155.9
72.5°	0.0	16.1	32.1	46.1	66.8	89.7	110.7	132.2	154.4	173.7	190.1
70°	0.0	18.3	36.6	53.6	82.0	108.2	132.6	160.0	184.8	206.4	227.6
67.5°	0.0	20.5	40.9	65.2	97.0	126.4	157.6	187.7	215.3	243.5	266.3
65°	0.0	22.6	45.2	76.6	111.9	146.3	182.5	215.4	250.5	281.0	307.8
62.5°	0.0	24.7	49.4	87.9	126.6	167.7	207.3	246.4	285.8	320.1	355.1
60°	0.0	26.7	53.4	99.0	141.1	188.8	231.9	278.7	321.3	364.5	402.7
57.5°	0.0	28.7	60.7	109.9	158.1	209.8	259.9	311.1	361.0	409.0	454.2
55°	0.0	30.7	67.8	120.6	175.1	230.6	287.9	343.3	401.6	455.2	508.6
52.5°	0.0	32.6	74.7	131.0	191.8	251.5	315.6	379.4	442.2	507.6	564.4
50°	0.0	34.4	81.4	141.2	208.1	274.4	342.9	416.1	485.1	560.8	630.8
47.5°	0.0	36.1	87.9	151.7	224.1	296.9	370.5	453.0	534.1	614.8	700.6
45°	0.0	37.8	94.2	163.4	239.7	318.8	402.4	490.0	584.2	680.7	772.9
42.5°	0.0	39.4	100.2	174.8	255.0	340.2	434.1	531.0	634.3	748.3	855.4
40°	0.0	41.0	106.0	185.4	270.6	361.0	465.5	574.4	687.9	817.1	942.1
37.5°	0.0	42.4	111.5	195.3	286.6	381.2	496.5	617.3	748.6	889.3	1031.6
35°	0.0	43.8	116.8	204.6	301.9	404.1	527.0	659.5	809.0	969.1	1128.6
32.5°	0.0	45.1	121.7	213.2	316.6	428.1	558.3	701.0	869.0	1050.1	1235.3
30°	0.0	46.3	126.4	221.2	330.6	451.3	591.8	743.7	928.4	1131.7	1344.5
27.5°	0.0	47.5	130.8	228.6	342.3	473.6	624.1	792.1	990.6	1213.7	1455.6
25°	0.0	48.5	134.9	235.2	353.0	495.1	655.1	839.1	1057.6	1302.9	1568.4
22.5°	0.0	49.4	138.6	241.3	363.0	514.2	684.8	884.4	1123.3	1395.1	1691.7
20°	0.0	50.3	142.0	246.6	372.1	528.8	713.0	927.9	1187.4	1486.1	1813.9
17.5°	0.0	51.0	145.1	251.2	380.3	541.6	734.3	969.2	1249.3	1575.0	1934.1
15°	0.0	51.7	147.8	255.2	387.7	552.6	750.1	1001.7	1308.5	1661.1	2051.3
12.5°	0.0	52.2	150.1	258.5	394.2	561.8	763.7	1022.9	1351.0	1743.6	2164.3
10°	0.0	52.7	152.1	261.2	399.6	569.3	774.9	1040.4	1378.1	1782.5	2252.5
7.5°	0.0	53.0	153.7	263.2	404.1	575.0	783.8	1054.3	1400.1	1808.1	2292.5
5°	0.0	53.3	155.0	264.5	407.5	579.0	790.2	1064.4	1416.6	1825.8	2323.5
2.5°	0.0	53.4	155.8	265.2	409.9	581.3	794.2	1070.7	1427.7	1835.8	2345.0
0°	0.0	53.5	156.3	265.2	411.2	581.9	795.7	1073.3	1433.1	1838.2	2356.4
-2.5°	0.0	53.4	155.8	265.2	409.9	581.3	794.2	1070.7	1427.7	1835.8	2345.0
-5°	0.0	53.3	155.0	264.5	407.5	579.0	790.2	1064.4	1416.6	1825.8	2323.5
-7.5°	0.0	53.0	153.7	263.2	404.1	575.0	783.8	1054.3	1400.1	1808.1	2292.5
-10°	0.0	52.7	152.1	261.2	399.6	569.3	774.9	1040.4	1378.1	1782.5	2252.5
-12.5°	0.0	52.2	150.1	258.5	394.2	561.8	763.7	1022.9	1351.0	1743.6	2164.3
-15°	0.0	51.7	147.8	255.2	387.7	552.6	750.1	1001.7	1308.5	1661.1	2051.3
-17.5°	0.0	51.0	145.1	251.2	380.3	541.6	734.3	969.2	1249.3	1575.0	1934.1
-20°	0.0	50.3	142.0	246.6	372.1	528.8	713.0	927.9	1187.4	1486.1	1813.9



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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	49.4	138.6	241.3	363.0	514.2	684.8	884.4	1123.3	1395.1	1691.7
-25°	0.0	48.5	134.9	235.2	353.0	495.1	655.1	839.1	1057.6	1302.9	1568.4
-27.5°	0.0	47.5	130.8	228.6	342.3	473.6	624.1	792.1	990.6	1213.7	1455.6
-30°	0.0	46.3	126.4	221.2	330.6	451.3	591.8	743.7	928.4	1131.7	1344.5
-32.5°	0.0	45.1	121.7	213.2	316.6	428.1	558.3	701.0	869.0	1050.1	1235.3
-35°	0.0	43.8	116.8	204.6	301.9	404.1	527.0	659.5	809.0	969.1	1128.6
-37.5°	0.0	42.4	111.5	195.3	286.6	381.2	496.5	617.3	748.6	889.3	1031.6
-40°	0.0	41.0	106.0	185.4	270.6	361.0	465.5	574.4	687.9	817.1	942.1
-42.5°	0.0	39.4	100.2	174.8	255.0	340.2	434.1	531.0	634.3	748.3	855.4
-45°	0.0	37.8	94.2	163.4	239.7	318.8	402.4	490.0	584.2	680.7	772.9
-47.5°	0.0	36.1	87.9	151.7	224.1	296.9	370.5	453.0	534.1	614.8	700.6
-50°	0.0	34.4	81.4	141.2	208.1	274.4	342.9	416.1	485.1	560.8	630.8
-52.5°	0.0	32.6	74.7	131.0	191.8	251.5	315.6	379.4	442.2	507.6	564.4
-55°	0.0	30.7	67.8	120.6	175.1	230.6	287.9	343.3	401.6	455.2	508.6
-57.5°	0.0	28.7	60.7	109.9	158.1	209.8	259.9	311.1	361.0	409.0	454.2
-60°	0.0	26.7	53.4	99.0	141.1	188.8	231.9	278.7	321.3	364.5	402.7
-62.5°	0.0	24.7	49.4	87.9	126.6	167.7	207.3	246.4	285.8	320.1	355.1
-65°	0.0	22.6	45.2	76.6	111.9	146.3	182.5	215.4	250.5	281.0	307.8
-67.5°	0.0	20.5	40.9	65.2	97.0	126.4	157.6	187.7	215.3	243.5	266.3
-70°	0.0	18.3	36.6	53.6	82.0	108.2	132.6	160.0	184.8	206.4	227.6
-72.5°	0.0	16.1	32.1	46.1	66.8	89.7	110.7	132.2	154.4	173.7	190.1
-75°	0.0	13.8	27.7	39.6	51.5	71.2	89.2	107.1	124.1	141.3	155.9
-77.5°	0.0	11.6	23.1	33.1	41.9	52.6	67.7	82.8	96.9	109.7	121.9
-80°	0.0	9.3	18.6	26.5	33.5	39.6	46.0	58.5	70.0	80.6	90.0
-82.5°	0.0	7.0	13.9	19.9	25.2	29.7	33.6	38.0	43.1	51.3	58.8
-85°	0.0	4.7	9.3	13.3	16.8	19.8	22.4	25.4	28.1	30.7	33.0
-87.5°	0.0	2.3	4.7	6.6	8.4	9.9	11.2	12.7	14.1	15.4	16.5
-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°	17.8	19.0	20.2	21.2	22.2	23.1	24.0	24.7	25.8	26.8	27.8
85°	35.6	38.0	42.1	45.5	48.6	51.3	53.5	55.4	57.4	59.1	60.3
82.5°	65.5	71.0	75.3	78.6	82.4	85.7	88.5	90.9	93.5	95.9	98.0
80°	97.8	104.0	110.5	116.1	121.5	125.7	128.3	129.3	132.6	136.8	141.0
77.5°	132.6	142.1	150.4	157.5	163.4	168.6	172.3	174.5	179.7	185.7	190.9
75°	168.7	180.2	191.7	201.8	209.8	215.8	220.1	223.6	229.8	237.7	244.4
72.5°	206.3	221.8	235.4	247.2	257.9	266.1	272.2	276.2	282.4	291.7	299.1
70°	245.9	263.6	282.1	297.3	308.7	318.3	326.3	331.9	337.5	346.9	353.8
67.5°	286.8	312.1	332.7	348.7	361.4	373.2	382.3	388.2	390.7	400.2	408.1
65°	335.1	362.2	385.0	403.0	415.7	430.4	440.5	445.5	447.1	457.4	467.1
62.5°	384.3	414.2	439.3	459.9	476.4	490.3	501.7	508.1	509.1	516.7	527.9
60°	436.7	467.4	497.2	522.0	539.7	554.1	566.4	573.1	574.5	577.6	590.3
57.5°	491.4	524.5	559.3	587.2	607.9	619.7	633.2	640.6	643.6	641.8	654.9
55°	550.9	585.4	624.6	657.1	679.3	690.0	702.5	713.2	716.9	714.6	722.4
52.5°	618.3	652.6	694.5	730.3	754.9	767.8	776.7	789.6	795.5	792.8	791.3
50°	689.1	732.3	767.0	807.8	837.5	854.5	854.8	870.8	878.5	876.1	865.5
47.5°	769.4	818.1	844.2	891.0	929.7	949.7	951.1	957.5	967.0	969.5	960.5
45°	856.0	915.4	943.5	985.4	1028.7	1053.2	1060.6	1049.1	1066.1	1071.5	1065.8
42.5°	947.3	1023.1	1067.5	1084.5	1134.9	1168.9	1182.0	1173.9	1173.1	1185.0	1184.8
40°	1052.6	1139.7	1206.4	1224.1	1249.6	1296.5	1324.3	1322.8	1291.6	1313.8	1319.6
37.5°	1165.3	1278.5	1361.0	1397.7	1378.4	1441.0	1481.6	1498.1	1478.7	1456.9	1481.8
35°	1283.9	1426.9	1538.1	1600.7	1603.5	1602.0	1665.7	1699.9	1702.2	1662.3	1671.4
32.5°	1416.6	1584.4	1731.8	1833.0	1878.9	1850.5	1867.1	1938.9	1974.0	1958.8	1901.4
30°	1559.1	1765.1	1945.7	2088.4	2191.1	2221.4	2152.9	2208.9	2286.8	2317.9	2293.0
27.5°	1703.2	1956.7	2185.7	2383.6	2542.7	2643.5	2645.9	2559.4	2647.7	2722.7	2751.7
25°	1849.6	2148.4	2440.3	2708.5	2949.2	3122.6	3202.3	3211.6	3088.0	3200.3	3305.0
22.5°	2005.6	2345.7	2692.1	3054.5	3390.0	3644.4	3837.8	3954.3	3950.5	3832.6	3924.6
20°	2170.8	2560.5	2963.8	3393.7	3851.2	4201.0	4525.0	4772.9	4922.1	4971.6	4875.1
17.5°	2335.5	2777.1	3249.1	3761.0	4290.4	4775.4	5261.0	5656.5	5969.8	6227.0	6319.0
15°	2498.3	2993.3	3535.4	4130.9	4742.7	5349.6	5974.0	6579.7	7112.8	7583.5	7862.6
12.5°	2657.3	3206.5	3819.5	4499.1	5201.2	5931.8	6676.8	7414.7	8182.8	8945.2	9524.6
10°	2810.7	3414.1	4097.7	4860.8	5659.3	6513.8	7378.4	8254.1	9187.2	10086.3	10951.9
7.5°	2876.2	3549.8	4337.4	5211.3	6109.7	7086.7	8069.4	9085.9	10176.2	11225.4	12282.4
5°	2916.7	3603.7	4404.8	5315.2	6314.6	7460.7	8633.2	9892.4	11136.5	12344.5	13590.0
2.5°	2943.6	3640.5	4449.8	5356.2	6345.1	7522.1	8709.3	10016.8	11412.7	12809.4	14292.2
0°	2956.8	3660.0	4472.2	5368.6	6341.2	7542.0	8738.7	10087.5	11502.2	12923.0	14440.4
-2.5°	2943.6	3640.5	4449.8	5356.2	6345.1	7522.1	8709.3	10016.8	11412.7	12809.4	14292.2
-5°	2916.7	3603.7	4404.8	5315.2	6314.6	7460.7	8633.2	9892.4	11136.5	12344.5	13590.0
-7.5°	2876.2	3549.8	4337.4	5211.3	6109.7	7086.7	8069.4	9085.9	10176.2	11225.4	12282.4
-10°	2810.7	3414.1	4097.7	4860.8	5659.3	6513.8	7378.4	8254.1	9187.2	10086.3	10951.9
-12.5°	2657.3	3206.5	3819.5	4499.1	5201.2	5931.8	6676.8	7414.7	8182.8	8945.2	9524.6
-15°	2498.3	2993.3	3535.4	4130.9	4742.7	5349.6	5974.0	6579.7	7112.8	7583.5	7862.6
-17.5°	2335.5	2777.1	3249.1	3761.0	4290.4	4775.4	5261.0	5656.5	5969.8	6227.0	6319.0
-20°	2170.8	2560.5	2963.8	3393.7	3851.2	4201.0	4525.0	4772.9	4922.1	4971.6	4875.1



REPORT NUMBER: P558982 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	2005.6	2345.7	2692.1	3054.5	3390.0	3644.4	3837.8	3954.3	3950.5	3832.6	3924.6
-25°	1849.6	2148.4	2440.3	2708.5	2949.2	3122.6	3202.3	3211.6	3088.0	3200.3	3305.0
-27.5°	1703.2	1956.7	2185.7	2383.6	2542.7	2643.5	2645.9	2559.4	2647.7	2722.7	2751.7
-30°	1559.1	1765.1	1945.7	2088.4	2191.1	2221.4	2152.9	2208.9	2286.8	2317.9	2293.0
-32.5°	1416.6	1584.4	1731.8	1833.0	1878.9	1850.5	1867.1	1938.9	1974.0	1958.8	1901.4
-35°	1283.9	1426.9	1538.1	1600.7	1603.5	1602.0	1665.7	1699.9	1702.2	1662.3	1671.4
-37.5°	1165.3	1278.5	1361.0	1397.7	1378.4	1441.0	1481.6	1498.1	1478.7	1456.9	1481.8
-40°	1052.6	1139.7	1206.4	1224.1	1249.6	1296.5	1324.3	1322.8	1291.6	1313.8	1319.6
-42.5°	947.3	1023.1	1067.5	1084.5	1134.9	1168.9	1182.0	1173.9	1173.1	1185.0	1184.8
-45°	856.0	915.4	943.5	985.4	1028.7	1053.2	1060.6	1049.1	1066.1	1071.5	1065.8
-47.5°	769.4	818.1	844.2	891.0	929.7	949.7	951.1	957.5	967.0	969.5	960.5
-50°	689.1	732.3	767.0	807.8	837.5	854.5	854.8	870.8	878.5	876.1	865.5
-52.5°	618.3	652.6	694.5	730.3	754.9	767.8	776.7	789.6	795.5	792.8	791.3
-55°	550.9	585.4	624.6	657.1	679.3	690.0	702.5	713.2	716.9	714.6	722.4
-57.5°	491.4	524.5	559.3	587.2	607.9	619.7	633.2	640.6	643.6	641.8	654.9
-60°	436.7	467.4	497.2	522.0	539.7	554.1	566.4	573.1	574.5	577.6	590.3
-62.5°	384.3	414.2	439.3	459.9	476.4	490.3	501.7	508.1	509.1	516.7	527.9
-65°	335.1	362.2	385.0	403.0	415.7	430.4	440.5	445.5	447.1	457.4	467.1
-67.5°	286.8	312.1	332.7	348.7	361.4	373.2	382.3	388.2	390.7	400.2	408.1
-70°	245.9	263.6	282.1	297.3	308.7	318.3	326.3	331.9	337.5	346.9	353.8
-72.5°	206.3	221.8	235.4	247.2	257.9	266.1	272.2	276.2	282.4	291.7	299.1
-75°	168.7	180.2	191.7	201.8	209.8	215.8	220.1	223.6	229.8	237.7	244.4
-77.5°	132.6	142.1	150.4	157.5	163.4	168.6	172.3	174.5	179.7	185.7	190.9
-80°	97.8	104.0	110.5	116.1	121.5	125.7	128.3	129.3	132.6	136.8	141.0
-82.5°	65.5	71.0	75.3	78.6	82.4	85.7	88.5	90.9	93.5	95.9	98.0
-85°	35.6	38.0	42.1	45.5	48.6	51.3	53.5	55.4	57.4	59.1	60.3
-87.5°	17.8	19.0	20.2	21.2	22.2	23.1	24.0	24.7	25.8	26.8	27.8
-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: P558982 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-930-U-NAT-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°	28.7	28.2	27.6	26.9	26.1	26.1	26.1	26.0	25.8	25.6	25.3
85°	61.3	62.4	63.5	64.5	65.5	66.6	67.5	68.3	68.9	68.9	68.6
82.5°	99.7	103.0	106.3	109.5	112.4	114.0	115.1	115.9	116.3	117.3	118.0
80°	144.7	149.6	154.1	157.9	160.9	163.2	165.0	166.5	167.6	168.8	169.6
77.5°	195.8	201.2	206.4	211.0	214.9	218.6	221.7	224.2	226.1	229.0	231.6
75°	250.0	256.2	262.7	268.4	273.6	278.9	284.3	289.2	293.5	297.2	300.0
72.5°	304.9	311.4	319.4	326.7	333.5	340.8	348.0	354.3	359.7	364.9	369.5
70°	359.1	365.1	375.3	385.2	394.4	403.1	411.8	419.6	426.4	433.0	439.0
67.5°	415.0	421.4	434.1	445.5	455.7	465.3	475.4	484.3	492.1	499.2	505.2
65°	474.7	480.3	494.0	506.5	517.3	526.3	537.2	547.0	555.7	563.4	570.0
62.5°	536.4	542.1	553.4	565.7	576.0	584.7	597.4	608.5	617.9	625.7	632.2
60°	599.1	604.0	612.7	626.3	637.8	647.2	658.4	669.2	678.3	686.0	692.9
57.5°	664.2	669.1	673.3	686.9	698.0	706.6	716.4	726.9	735.7	743.0	750.1
55°	731.4	735.2	733.9	746.5	756.8	763.8	771.2	782.3	791.0	797.5	804.0
52.5°	800.1	804.7	801.5	806.8	818.1	824.5	827.6	839.7	848.7	854.4	860.4
50°	876.7	880.3	877.5	874.4	885.5	892.0	893.8	903.5	911.7	916.1	920.3
47.5°	959.7	964.0	961.9	949.9	959.6	967.9	968.1	972.3	980.7	984.1	986.7
45°	1049.9	1058.5	1056.6	1048.3	1046.9	1055.3	1054.6	1051.2	1061.0	1065.3	1066.7
42.5°	1168.3	1165.5	1168.2	1163.4	1148.4	1158.0	1159.3	1147.1	1159.3	1164.5	1161.5
40°	1313.3	1286.8	1301.4	1299.2	1285.3	1283.2	1290.7	1280.8	1282.7	1290.2	1284.4
37.5°	1485.7	1466.8	1458.9	1465.5	1461.4	1443.5	1457.7	1454.2	1443.0	1455.6	1450.1
35°	1698.0	1692.4	1649.8	1675.7	1681.1	1664.1	1669.0	1676.3	1651.9	1671.1	1669.1
32.5°	1946.3	1958.9	1949.7	1933.7	1957.9	1960.9	1932.9	1966.6	1953.1	1957.9	1971.1
30°	2227.4	2291.9	2323.3	2295.2	2310.3	2340.3	2326.5	2350.0	2361.2	2343.6	2376.8
27.5°	2718.5	2695.6	2770.8	2803.5	2768.5	2823.3	2863.1	2845.5	2903.6	2869.2	2918.4
25°	3342.7	3309.0	3329.2	3437.4	3461.4	3433.5	3545.7	3558.8	3605.0	3610.6	3644.9
22.5°	4076.0	4157.1	4147.7	4180.6	4316.5	4362.0	4403.4	4511.1	4486.6	4584.3	4601.2
20°	4895.9	5099.9	5240.4	5269.9	5328.0	5484.3	5556.0	5641.0	5698.1	5790.6	5868.8
17.5°	6282.9	6178.4	6454.0	6627.2	6718.2	6750.8	6939.0	7000.3	7141.7	7222.5	7302.7
15°	8063.8	8124.7	8000.3	8165.3	8444.2	8538.4	8430.1	8682.9	8753.9	8890.0	8914.1
12.5°	9967.3	10275.4	10426.5	10467.5	10321.8	10718.4	10877.3	10677.9	10904.1	10863.4	11049.5
10°	11783.5	12532.3	12980.4	13295.6	13487.3	13602.7	13717.4	13923.6	13927.1	14079.8	13990.7
7.5°	13274.7	14223.9	15130.7	16010.4	16714.1	17108.5	17418.3	17715.4	18111.8	18301.6	18425.0
5°	14733.5	15828.7	16913.7	17980.1	18945.7	19874.7	20785.2	21575.1	21993.6	22482.7	22918.8
2.5°	15677.0	17062.4	18448.0	19820.6	20936.4	21960.2	22907.9	23788.0	24560.1	25274.4	25877.6
0°	15861.2	17411.6	18857.1	20226.5	21482.8	22747.3	23851.5	24846.7	25687.6	26446.4	26958.3
-2.5°	15677.0	17062.4	18448.0	19820.6	20936.4	21960.2	22907.9	23788.0	24560.1	25274.4	25877.6
-5°	14733.5	15828.7	16913.7	17980.1	18945.7	19874.7	20785.2	21575.1	21993.6	22482.7	22918.8
-7.5°	13274.7	14223.9	15130.7	16010.4	16714.1	17108.5	17418.3	17715.4	18111.8	18301.6	18425.0
-10°	11783.5	12532.3	12980.4	13295.6	13487.3	13602.7	13717.4	13923.6	13927.1	14079.8	13990.7
-12.5°	9967.3	10275.4	10426.5	10467.5	10321.8	10718.4	10877.3	10677.9	10904.1	10863.4	11049.5
-15°	8063.8	8124.7	8000.3	8165.3	8444.2	8538.4	8430.1	8682.9	8753.9	8890.0	8914.1
-17.5°	6282.9	6178.4	6454.0	6627.2	6718.2	6750.8	6939.0	7000.3	7141.7	7222.5	7302.7
-20°	4895.9	5099.9	5240.4	5269.9	5328.0	5484.3	5556.0	5641.0	5698.1	5790.6	5868.8



REPORT NUMBER: P558982 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	4076.0	4157.1	4147.7	4180.6	4316.5	4362.0	4403.4	4511.1	4486.6	4584.3	4601.2
-25°	3342.7	3309.0	3329.2	3437.4	3461.4	3433.5	3545.7	3558.8	3605.0	3610.6	3644.9
-27.5°	2718.5	2695.6	2770.8	2803.5	2768.5	2823.3	2863.1	2845.5	2903.6	2869.2	2918.4
-30°	2227.4	2291.9	2323.3	2295.2	2310.3	2340.3	2326.5	2350.0	2361.2	2343.6	2376.8
-32.5°	1946.3	1958.9	1949.7	1933.7	1957.9	1960.9	1932.9	1966.6	1953.1	1957.9	1971.1
-35°	1698.0	1692.4	1649.8	1675.7	1681.1	1664.1	1669.0	1676.3	1651.9	1671.1	1669.1
-37.5°	1485.7	1466.8	1458.9	1465.5	1461.4	1443.5	1457.7	1454.2	1443.0	1455.6	1450.1
-40°	1313.3	1286.8	1301.4	1299.2	1285.3	1283.2	1290.7	1280.8	1282.7	1290.2	1284.4
-42.5°	1168.3	1165.5	1168.2	1163.4	1148.4	1158.0	1159.3	1147.1	1159.3	1164.5	1161.5
-45°	1049.9	1058.5	1056.6	1048.3	1046.9	1055.3	1054.6	1051.2	1061.0	1065.3	1066.7
-47.5°	959.7	964.0	961.9	949.9	959.6	967.9	968.1	972.3	980.7	984.1	986.7
-50°	876.7	880.3	877.5	874.4	885.5	892.0	893.8	903.5	911.7	916.1	920.3
-52.5°	800.1	804.7	801.5	806.8	818.1	824.5	827.6	839.7	848.7	854.4	860.4
-55°	731.4	735.2	733.9	746.5	756.8	763.8	771.2	782.3	791.0	797.5	804.0
-57.5°	664.2	669.1	673.3	686.9	698.0	706.6	716.4	726.9	735.7	743.0	750.1
-60°	599.1	604.0	612.7	626.3	637.8	647.2	658.4	669.2	678.3	686.0	692.9
-62.5°	536.4	542.1	553.4	565.7	576.0	584.7	597.4	608.5	617.9	625.7	632.2
-65°	474.7	480.3	494.0	506.5	517.3	526.3	537.2	547.0	555.7	563.4	570.0
-67.5°	415.0	421.4	434.1	445.5	455.7	465.3	475.4	484.3	492.1	499.2	505.2
-70°	359.1	365.1	375.3	385.2	394.4	403.1	411.8	419.6	426.4	433.0	439.0
-72.5°	304.9	311.4	319.4	326.7	333.5	340.8	348.0	354.3	359.7	364.9	369.5
-75°	250.0	256.2	262.7	268.4	273.6	278.9	284.3	289.2	293.5	297.2	300.0
-77.5°	195.8	201.2	206.4	211.0	214.9	218.6	221.7	224.2	226.1	229.0	231.6
-80°	144.7	149.6	154.1	157.9	160.9	163.2	165.0	166.5	167.6	168.8	169.6
-82.5°	99.7	103.0	106.3	109.5	112.4	114.0	115.1	115.9	116.3	117.3	118.0
-85°	61.3	62.4	63.5	64.5	65.5	66.6	67.5	68.3	68.9	68.9	68.6
-87.5°	28.7	28.2	27.6	26.9	26.1	26.1	26.1	26.0	25.8	25.6	25.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P558982 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	25.0	24.6	25.7	26.7	25.7	24.6	25.0	25.3	25.6	25.8	26.0
85°	68.2	67.6	68.8	69.9	68.8	67.6	68.2	68.6	68.9	68.9	68.3
82.5°	118.5	118.7	119.2	119.3	119.2	118.7	118.5	118.0	117.3	116.3	115.9
80°	170.0	169.9	169.5	168.6	169.5	169.9	170.0	169.6	168.8	167.6	166.5
77.5°	233.7	235.2	236.2	236.5	236.2	235.2	233.7	231.6	229.0	226.1	224.2
75°	301.8	302.8	302.9	302.3	302.9	302.8	301.8	300.0	297.2	293.5	289.2
72.5°	373.3	376.2	376.8	376.3	376.8	376.2	373.3	369.5	364.9	359.7	354.3
70°	444.0	447.9	447.8	446.2	447.8	447.9	444.0	439.0	433.0	426.4	419.6
67.5°	510.1	513.6	516.4	518.2	516.4	513.6	510.1	505.2	499.2	492.1	484.3
65°	575.2	579.1	581.2	581.9	581.2	579.1	575.2	570.0	563.4	555.7	547.0
62.5°	637.2	640.8	642.9	643.6	642.9	640.8	637.2	632.2	625.7	617.9	608.5
60°	698.3	702.2	702.8	701.2	702.8	702.2	698.3	692.9	686.0	678.3	669.2
57.5°	755.6	759.6	759.5	756.7	759.5	759.6	755.6	750.1	743.0	735.7	726.9
55°	808.7	811.5	812.6	812.2	812.6	811.5	808.7	804.0	797.5	791.0	782.3
52.5°	864.8	867.1	868.1	867.7	868.1	867.1	864.8	860.4	854.4	848.7	839.7
50°	923.3	923.6	923.6	923.2	923.6	923.6	923.3	920.3	916.1	911.7	903.5
47.5°	990.2	990.9	991.1	991.1	991.1	990.9	990.2	986.7	984.1	980.7	972.3
45°	1069.3	1067.2	1064.9	1065.1	1064.9	1067.2	1069.3	1066.7	1065.3	1061.0	1051.2
42.5°	1164.3	1161.9	1158.9	1159.7	1158.9	1161.9	1164.3	1161.5	1164.5	1159.3	1147.1
40°	1289.4	1288.8	1284.5	1283.0	1284.5	1288.8	1289.4	1284.4	1290.2	1282.7	1280.8
37.5°	1450.9	1448.6	1439.2	1435.2	1439.2	1448.6	1450.9	1450.1	1455.6	1443.0	1454.2
35°	1663.4	1660.3	1645.9	1647.0	1645.9	1660.3	1663.4	1669.1	1671.1	1651.9	1676.3
32.5°	1964.5	1965.6	1943.9	1939.0	1943.9	1965.6	1964.5	1971.1	1957.9	1953.1	1966.6
30°	2356.2	2364.8	2339.2	2350.2	2339.2	2364.8	2356.2	2376.8	2343.6	2361.2	2350.0
27.5°	2917.5	2933.9	2911.3	2893.0	2911.3	2933.9	2917.5	2918.4	2869.2	2903.6	2845.5
25°	3690.0	3702.2	3676.4	3653.8	3676.4	3702.2	3690.0	3644.9	3610.6	3605.0	3558.8
22.5°	4695.6	4694.8	4693.5	4729.2	4693.5	4694.8	4695.6	4601.2	4584.3	4486.6	4511.1
20°	5919.4	5889.7	5934.1	5962.9	5934.1	5889.7	5919.4	5868.8	5790.6	5698.1	5641.0
17.5°	7321.3	7376.8	7419.5	7490.6	7419.5	7376.8	7321.3	7302.7	7222.5	7141.7	7000.3
15°	8974.4	9058.2	9100.9	9078.0	9100.9	9058.2	8974.4	8914.1	8890.0	8753.9	8682.9
12.5°	11056.0	11156.1	11082.2	10990.2	11082.2	11156.1	11056.0	11049.5	10863.4	10904.1	10677.9
10°	13992.0	14207.5	14219.6	14039.5	14219.6	14207.5	13992.0	13990.7	14079.8	13927.1	13923.6
7.5°	18496.7	18601.4	18760.6	18768.6	18760.6	18601.4	18496.7	18425.0	18301.6	18111.8	17715.4
5°	23116.4	23395.5	23575.4	23886.4	23575.4	23395.5	23116.4	22918.8	22482.7	21993.6	21575.1
2.5°	26267.2	26627.8	26766.3	27118.7	26766.3	26627.8	26267.2	25877.6	25274.4	24560.1	23788.0
0°	27414.8	27706.8	27881.6	28021.4	27881.6	27706.8	27414.8	26958.3	26446.4	25687.6	24846.7
-2.5°	26267.2	26627.8	26766.3	27118.7	26766.3	26627.8	26267.2	25877.6	25274.4	24560.1	23788.0
-5°	23116.4	23395.5	23575.4	23886.4	23575.4	23395.5	23116.4	22918.8	22482.7	21993.6	21575.1
-7.5°	18496.7	18601.4	18760.6	18768.6	18760.6	18601.4	18496.7	18425.0	18301.6	18111.8	17715.4
-10°	13992.0	14207.5	14219.6	14039.5	14219.6	14207.5	13992.0	13990.7	14079.8	13927.1	13923.6
-12.5°	11056.0	11156.1	11082.2	10990.2	11082.2	11156.1	11056.0	11049.5	10863.4	10904.1	10677.9
-15°	8974.4	9058.2	9100.9	9078.0	9100.9	9058.2	8974.4	8914.1	8890.0	8753.9	8682.9
-17.5°	7321.3	7376.8	7419.5	7490.6	7419.5	7376.8	7321.3	7302.7	7222.5	7141.7	7000.3
-20°	5919.4	5889.7	5934.1	5962.9	5934.1	5889.7	5919.4	5868.8	5790.6	5698.1	5641.0



REPORT NUMBER: P558982 (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°	4695.6	4694.8	4693.5	4729.2	4693.5	4694.8	4695.6	4601.2	4584.3	4486.6	4511.1
-25°	3690.0	3702.2	3676.4	3653.8	3676.4	3702.2	3690.0	3644.9	3610.6	3605.0	3558.8
-27.5°	2917.5	2933.9	2911.3	2893.0	2911.3	2933.9	2917.5	2918.4	2869.2	2903.6	2845.5
-30°	2356.2	2364.8	2339.2	2350.2	2339.2	2364.8	2356.2	2376.8	2343.6	2361.2	2350.0
-32.5°	1964.5	1965.6	1943.9	1939.0	1943.9	1965.6	1964.5	1971.1	1957.9	1953.1	1966.6
-35°	1663.4	1660.3	1645.9	1647.0	1645.9	1660.3	1663.4	1669.1	1671.1	1651.9	1676.3
-37.5°	1450.9	1448.6	1439.2	1435.2	1439.2	1448.6	1450.9	1450.1	1455.6	1443.0	1454.2
-40°	1289.4	1288.8	1284.5	1283.0	1284.5	1288.8	1289.4	1284.4	1290.2	1282.7	1280.8
-42.5°	1164.3	1161.9	1158.9	1159.7	1158.9	1161.9	1164.3	1161.5	1164.5	1159.3	1147.1
-45°	1069.3	1067.2	1064.9	1065.1	1064.9	1067.2	1069.3	1066.7	1065.3	1061.0	1051.2
-47.5°	990.2	990.9	991.1	991.1	991.1	990.9	990.2	986.7	984.1	980.7	972.3
-50°	923.3	923.6	923.6	923.2	923.6	923.6	923.3	920.3	916.1	911.7	903.5
-52.5°	864.8	867.1	868.1	867.7	868.1	867.1	864.8	860.4	854.4	848.7	839.7
-55°	808.7	811.5	812.6	812.2	812.6	811.5	808.7	804.0	797.5	791.0	782.3
-57.5°	755.6	759.6	759.5	756.7	759.5	759.6	755.6	750.1	743.0	735.7	726.9
-60°	698.3	702.2	702.8	701.2	702.8	702.2	698.3	692.9	686.0	678.3	669.2
-62.5°	637.2	640.8	642.9	643.6	642.9	640.8	637.2	632.2	625.7	617.9	608.5
-65°	575.2	579.1	581.2	581.9	581.2	579.1	575.2	570.0	563.4	555.7	547.0
-67.5°	510.1	513.6	516.4	518.2	516.4	513.6	510.1	505.2	499.2	492.1	484.3
-70°	444.0	447.9	447.8	446.2	447.8	447.9	444.0	439.0	433.0	426.4	419.6
-72.5°	373.3	376.2	376.8	376.3	376.8	376.2	373.3	369.5	364.9	359.7	354.3
-75°	301.8	302.8	302.9	302.3	302.9	302.8	301.8	300.0	297.2	293.5	289.2
-77.5°	233.7	235.2	236.2	236.5	236.2	235.2	233.7	231.6	229.0	226.1	224.2
-80°	170.0	169.9	169.5	168.6	169.5	169.9	170.0	169.6	168.8	167.6	166.5
-82.5°	118.5	118.7	119.2	119.3	119.2	118.7	118.5	118.0	117.3	116.3	115.9
-85°	68.2	67.6	68.8	69.9	68.8	67.6	68.2	68.6	68.9	68.9	68.3
-87.5°	25.0	24.6	25.7	26.7	25.7	24.6	25.0	25.3	25.6	25.8	26.0
-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: P558982 (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°	26.1	26.1	26.1	26.9	27.6	28.2	28.7	27.8	26.8	25.8	24.7
85°	67.5	66.6	65.5	64.5	63.5	62.4	61.3	60.3	59.1	57.4	55.4
82.5°	115.1	114.0	112.4	109.5	106.3	103.0	99.7	98.0	95.9	93.5	90.9
80°	165.0	163.2	160.9	157.9	154.1	149.6	144.7	141.0	136.8	132.6	129.3
77.5°	221.7	218.6	214.9	211.0	206.4	201.2	195.8	190.9	185.7	179.7	174.5
75°	284.3	278.9	273.6	268.4	262.7	256.2	250.0	244.4	237.7	229.8	223.6
72.5°	348.0	340.8	333.5	326.7	319.4	311.4	304.9	299.1	291.7	282.4	276.2
70°	411.8	403.1	394.4	385.2	375.3	365.1	359.1	353.8	346.9	337.5	331.9
67.5°	475.4	465.3	455.7	445.5	434.1	421.4	415.0	408.1	400.2	390.7	388.2
65°	537.2	526.3	517.3	506.5	494.0	480.3	474.7	467.1	457.4	447.1	445.5
62.5°	597.4	584.7	576.0	565.7	553.4	542.1	536.4	527.9	516.7	509.1	508.1
60°	658.4	647.2	637.8	626.3	612.7	604.0	599.1	590.3	577.6	574.5	573.1
57.5°	716.4	706.6	698.0	686.9	673.3	669.1	664.2	654.9	641.8	643.6	640.6
55°	771.2	763.8	756.8	746.5	733.9	735.2	731.4	722.4	714.6	716.9	713.2
52.5°	827.6	824.5	818.1	806.8	801.5	804.7	800.1	791.3	792.8	795.5	789.6
50°	893.8	892.0	885.5	874.4	877.5	880.3	876.7	865.5	876.1	878.5	870.8
47.5°	968.1	967.9	959.6	949.9	961.9	964.0	959.7	960.5	969.5	967.0	957.5
45°	1054.6	1055.3	1046.9	1048.3	1056.6	1058.5	1049.9	1065.8	1071.5	1066.1	1049.1
42.5°	1159.3	1158.0	1148.4	1163.4	1168.2	1165.5	1168.3	1184.8	1185.0	1173.1	1173.9
40°	1290.7	1283.2	1285.3	1299.2	1301.4	1286.8	1313.3	1319.6	1313.8	1291.6	1322.8
37.5°	1457.7	1443.5	1461.4	1465.5	1458.9	1466.8	1485.7	1481.8	1456.9	1478.7	1498.1
35°	1669.0	1664.1	1681.1	1675.7	1649.8	1692.4	1698.0	1671.4	1662.3	1702.2	1699.9
32.5°	1932.9	1960.9	1957.9	1933.7	1949.7	1958.9	1946.3	1901.4	1958.8	1974.0	1938.9
30°	2326.5	2340.3	2310.3	2295.2	2323.3	2291.9	2227.4	2293.0	2317.9	2286.8	2208.9
27.5°	2863.1	2823.3	2768.5	2803.5	2770.8	2695.6	2718.5	2751.7	2722.7	2647.7	2559.4
25°	3545.7	3433.5	3461.4	3437.4	3329.2	3309.0	3342.7	3305.0	3200.3	3088.0	3211.6
22.5°	4403.4	4362.0	4316.5	4180.6	4147.7	4157.1	4076.0	3924.6	3832.6	3950.5	3954.3
20°	5556.0	5484.3	5328.0	5269.9	5240.4	5099.9	4895.9	4875.1	4971.6	4922.1	4772.9
17.5°	6939.0	6750.8	6718.2	6627.2	6454.0	6178.4	6282.9	6319.0	6227.0	5969.8	5656.5
15°	8430.1	8538.4	8444.2	8165.3	8000.3	8124.7	8063.8	7862.6	7583.5	7112.8	6579.7
12.5°	10877.3	10718.4	10321.8	10467.5	10426.5	10275.4	9967.3	9524.6	8945.2	8182.8	7414.7
10°	13717.4	13602.7	13487.3	13295.6	12980.4	12532.3	11783.5	10951.9	10086.3	9187.2	8254.1
7.5°	17418.3	17108.5	16714.1	16010.4	15130.7	14223.9	13274.7	12282.4	11225.4	10176.2	9085.9
5°	20785.2	19874.7	18945.7	17980.1	16913.7	15828.7	14733.5	13590.0	12344.5	11136.5	9892.4
2.5°	22907.9	21960.2	20936.4	19820.6	18448.0	17062.4	15677.0	14292.2	12809.4	11412.7	10016.8
0°	23851.5	22747.3	21482.8	20226.5	18857.1	17411.6	15861.2	14440.4	12923.0	11502.2	10087.5
-2.5°	22907.9	21960.2	20936.4	19820.6	18448.0	17062.4	15677.0	14292.2	12809.4	11412.7	10016.8
-5°	20785.2	19874.7	18945.7	17980.1	16913.7	15828.7	14733.5	13590.0	12344.5	11136.5	9892.4
-7.5°	17418.3	17108.5	16714.1	16010.4	15130.7	14223.9	13274.7	12282.4	11225.4	10176.2	9085.9
-10°	13717.4	13602.7	13487.3	13295.6	12980.4	12532.3	11783.5	10951.9	10086.3	9187.2	8254.1
-12.5°	10877.3	10718.4	10321.8	10467.5	10426.5	10275.4	9967.3	9524.6	8945.2	8182.8	7414.7
-15°	8430.1	8538.4	8444.2	8165.3	8000.3	8124.7	8063.8	7862.6	7583.5	7112.8	6579.7
-17.5°	6939.0	6750.8	6718.2	6627.2	6454.0	6178.4	6282.9	6319.0	6227.0	5969.8	5656.5
-20°	5556.0	5484.3	5328.0	5269.9	5240.4	5099.9	4895.9	4875.1	4971.6	4922.1	4772.9



REPORT NUMBER: P558982 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	4403.4	4362.0	4316.5	4180.6	4147.7	4157.1	4076.0	3924.6	3832.6	3950.5	3954.3
-25°	3545.7	3433.5	3461.4	3437.4	3329.2	3309.0	3342.7	3305.0	3200.3	3088.0	3211.6
-27.5°	2863.1	2823.3	2768.5	2803.5	2770.8	2695.6	2718.5	2751.7	2722.7	2647.7	2559.4
-30°	2326.5	2340.3	2310.3	2295.2	2323.3	2291.9	2227.4	2293.0	2317.9	2286.8	2208.9
-32.5°	1932.9	1960.9	1957.9	1933.7	1949.7	1958.9	1946.3	1901.4	1958.8	1974.0	1938.9
-35°	1669.0	1664.1	1681.1	1675.7	1649.8	1692.4	1698.0	1671.4	1662.3	1702.2	1699.9
-37.5°	1457.7	1443.5	1461.4	1465.5	1458.9	1466.8	1485.7	1481.8	1456.9	1478.7	1498.1
-40°	1290.7	1283.2	1285.3	1299.2	1301.4	1286.8	1313.3	1319.6	1313.8	1291.6	1322.8
-42.5°	1159.3	1158.0	1148.4	1163.4	1168.2	1165.5	1168.3	1184.8	1185.0	1173.1	1173.9
-45°	1054.6	1055.3	1046.9	1048.3	1056.6	1058.5	1049.9	1065.8	1071.5	1066.1	1049.1
-47.5°	968.1	967.9	959.6	949.9	961.9	964.0	959.7	960.5	969.5	967.0	957.5
-50°	893.8	892.0	885.5	874.4	877.5	880.3	876.7	865.5	876.1	878.5	870.8
-52.5°	827.6	824.5	818.1	806.8	801.5	804.7	800.1	791.3	792.8	795.5	789.6
-55°	771.2	763.8	756.8	746.5	733.9	735.2	731.4	722.4	714.6	716.9	713.2
-57.5°	716.4	706.6	698.0	686.9	673.3	669.1	664.2	654.9	641.8	643.6	640.6
-60°	658.4	647.2	637.8	626.3	612.7	604.0	599.1	590.3	577.6	574.5	573.1
-62.5°	597.4	584.7	576.0	565.7	553.4	542.1	536.4	527.9	516.7	509.1	508.1
-65°	537.2	526.3	517.3	506.5	494.0	480.3	474.7	467.1	457.4	447.1	445.5
-67.5°	475.4	465.3	455.7	445.5	434.1	421.4	415.0	408.1	400.2	390.7	388.2
-70°	411.8	403.1	394.4	385.2	375.3	365.1	359.1	353.8	346.9	337.5	331.9
-72.5°	348.0	340.8	333.5	326.7	319.4	311.4	304.9	299.1	291.7	282.4	276.2
-75°	284.3	278.9	273.6	268.4	262.7	256.2	250.0	244.4	237.7	229.8	223.6
-77.5°	221.7	218.6	214.9	211.0	206.4	201.2	195.8	190.9	185.7	179.7	174.5
-80°	165.0	163.2	160.9	157.9	154.1	149.6	144.7	141.0	136.8	132.6	129.3
-82.5°	115.1	114.0	112.4	109.5	106.3	103.0	99.7	98.0	95.9	93.5	90.9
-85°	67.5	66.6	65.5	64.5	63.5	62.4	61.3	60.3	59.1	57.4	55.4
-87.5°	26.1	26.1	26.1	26.9	27.6	28.2	28.7	27.8	26.8	25.8	24.7
-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: P558982 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	24.0	23.1	22.2	21.2	20.2	19.0	17.8	16.5	15.4	14.1	12.7
85°	53.5	51.3	48.6	45.5	42.1	38.0	35.6	33.0	30.7	28.1	25.4
82.5°	88.5	85.7	82.4	78.6	75.3	71.0	65.5	58.8	51.3	43.1	38.0
80°	128.3	125.7	121.5	116.1	110.5	104.0	97.8	90.0	80.6	70.0	58.5
77.5°	172.3	168.6	163.4	157.5	150.4	142.1	132.6	121.9	109.7	96.9	82.8
75°	220.1	215.8	209.8	201.8	191.7	180.2	168.7	155.9	141.3	124.1	107.1
72.5°	272.2	266.1	257.9	247.2	235.4	221.8	206.3	190.1	173.7	154.4	132.2
70°	326.3	318.3	308.7	297.3	282.1	263.6	245.9	227.6	206.4	184.8	160.0
67.5°	382.3	373.2	361.4	348.7	332.7	312.1	286.8	266.3	243.5	215.3	187.7
65°	440.5	430.4	415.7	403.0	385.0	362.2	335.1	307.8	281.0	250.5	215.4
62.5°	501.7	490.3	476.4	459.9	439.3	414.2	384.3	355.1	320.1	285.8	246.4
60°	566.4	554.1	539.7	522.0	497.2	467.4	436.7	402.7	364.5	321.3	278.7
57.5°	633.2	619.7	607.9	587.2	559.3	524.5	491.4	454.2	409.0	361.0	311.1
55°	702.5	690.0	679.3	657.1	624.6	585.4	550.9	508.6	455.2	401.6	343.3
52.5°	776.7	767.8	754.9	730.3	694.5	652.6	618.3	564.4	507.6	442.2	379.4
50°	854.8	854.5	837.5	807.8	767.0	732.3	689.1	630.8	560.8	485.1	416.1
47.5°	951.1	949.7	929.7	891.0	844.2	818.1	769.4	700.6	614.8	534.1	453.0
45°	1060.6	1053.2	1028.7	985.4	943.5	915.4	856.0	772.9	680.7	584.2	490.0
42.5°	1182.0	1168.9	1134.9	1084.5	1067.5	1023.1	947.3	855.4	748.3	634.3	531.0
40°	1324.3	1296.5	1249.6	1224.1	1206.4	1139.7	1052.6	942.1	817.1	687.9	574.4
37.5°	1481.6	1441.0	1378.4	1397.7	1361.0	1278.5	1165.3	1031.6	889.3	748.6	617.3
35°	1665.7	1602.0	1603.5	1600.7	1538.1	1426.9	1283.9	1128.6	969.1	809.0	659.5
32.5°	1867.1	1850.5	1878.9	1833.0	1731.8	1584.4	1416.6	1235.3	1050.1	869.0	701.0
30°	2152.9	2221.4	2191.1	2088.4	1945.7	1765.1	1559.1	1344.5	1131.7	928.4	743.7
27.5°	2645.9	2643.5	2542.7	2383.6	2185.7	1956.7	1703.2	1455.6	1213.7	990.6	792.1
25°	3202.3	3122.6	2949.2	2708.5	2440.3	2148.4	1849.6	1568.4	1302.9	1057.6	839.1
22.5°	3837.8	3644.4	3390.0	3054.5	2692.1	2345.7	2005.6	1691.7	1395.1	1123.3	884.4
20°	4525.0	4201.0	3851.2	3393.7	2963.8	2560.5	2170.8	1813.9	1486.1	1187.4	927.9
17.5°	5261.0	4775.4	4290.4	3761.0	3249.1	2777.1	2335.5	1934.1	1575.0	1249.3	969.2
15°	5974.0	5349.6	4742.7	4130.9	3535.4	2993.3	2498.3	2051.3	1661.1	1308.5	1001.7
12.5°	6676.8	5931.8	5201.2	4499.1	3819.5	3206.5	2657.3	2164.3	1743.6	1351.0	1022.9
10°	7378.4	6513.8	5659.3	4860.8	4097.7	3414.1	2810.7	2252.5	1782.5	1378.1	1040.4
7.5°	8069.4	7086.7	6109.7	5211.3	4337.4	3549.8	2876.2	2292.5	1808.1	1400.1	1054.3
5°	8633.2	7460.7	6314.6	5315.2	4404.8	3603.7	2916.7	2323.5	1825.8	1416.6	1064.4
2.5°	8709.3	7522.1	6345.1	5356.2	4449.8	3640.5	2943.6	2345.0	1835.8	1427.7	1070.7
0°	8738.7	7542.0	6341.2	5368.6	4472.2	3660.0	2956.8	2356.4	1838.2	1433.1	1073.3
-2.5°	8709.3	7522.1	6345.1	5356.2	4449.8	3640.5	2943.6	2345.0	1835.8	1427.7	1070.7
-5°	8633.2	7460.7	6314.6	5315.2	4404.8	3603.7	2916.7	2323.5	1825.8	1416.6	1064.4
-7.5°	8069.4	7086.7	6109.7	5211.3	4337.4	3549.8	2876.2	2292.5	1808.1	1400.1	1054.3
-10°	7378.4	6513.8	5659.3	4860.8	4097.7	3414.1	2810.7	2252.5	1782.5	1378.1	1040.4
-12.5°	6676.8	5931.8	5201.2	4499.1	3819.5	3206.5	2657.3	2164.3	1743.6	1351.0	1022.9
-15°	5974.0	5349.6	4742.7	4130.9	3535.4	2993.3	2498.3	2051.3	1661.1	1308.5	1001.7
-17.5°	5261.0	4775.4	4290.4	3761.0	3249.1	2777.1	2335.5	1934.1	1575.0	1249.3	969.2
-20°	4525.0	4201.0	3851.2	3393.7	2963.8	2560.5	2170.8	1813.9	1486.1	1187.4	927.9



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3837.8	3644.4	3390.0	3054.5	2692.1	2345.7	2005.6	1691.7	1395.1	1123.3	884.4
-25°	3202.3	3122.6	2949.2	2708.5	2440.3	2148.4	1849.6	1568.4	1302.9	1057.6	839.1
-27.5°	2645.9	2643.5	2542.7	2383.6	2185.7	1956.7	1703.2	1455.6	1213.7	990.6	792.1
-30°	2152.9	2221.4	2191.1	2088.4	1945.7	1765.1	1559.1	1344.5	1131.7	928.4	743.7
-32.5°	1867.1	1850.5	1878.9	1833.0	1731.8	1584.4	1416.6	1235.3	1050.1	869.0	701.0
-35°	1665.7	1602.0	1603.5	1600.7	1538.1	1426.9	1283.9	1128.6	969.1	809.0	659.5
-37.5°	1481.6	1441.0	1378.4	1397.7	1361.0	1278.5	1165.3	1031.6	889.3	748.6	617.3
-40°	1324.3	1296.5	1249.6	1224.1	1206.4	1139.7	1052.6	942.1	817.1	687.9	574.4
-42.5°	1182.0	1168.9	1134.9	1084.5	1067.5	1023.1	947.3	855.4	748.3	634.3	531.0
-45°	1060.6	1053.2	1028.7	985.4	943.5	915.4	856.0	772.9	680.7	584.2	490.0
-47.5°	951.1	949.7	929.7	891.0	844.2	818.1	769.4	700.6	614.8	534.1	453.0
-50°	854.8	854.5	837.5	807.8	767.0	732.3	689.1	630.8	560.8	485.1	416.1
-52.5°	776.7	767.8	754.9	730.3	694.5	652.6	618.3	564.4	507.6	442.2	379.4
-55°	702.5	690.0	679.3	657.1	624.6	585.4	550.9	508.6	455.2	401.6	343.3
-57.5°	633.2	619.7	607.9	587.2	559.3	524.5	491.4	454.2	409.0	361.0	311.1
-60°	566.4	554.1	539.7	522.0	497.2	467.4	436.7	402.7	364.5	321.3	278.7
-62.5°	501.7	490.3	476.4	459.9	439.3	414.2	384.3	355.1	320.1	285.8	246.4
-65°	440.5	430.4	415.7	403.0	385.0	362.2	335.1	307.8	281.0	250.5	215.4
-67.5°	382.3	373.2	361.4	348.7	332.7	312.1	286.8	266.3	243.5	215.3	187.7
-70°	326.3	318.3	308.7	297.3	282.1	263.6	245.9	227.6	206.4	184.8	160.0
-72.5°	272.2	266.1	257.9	247.2	235.4	221.8	206.3	190.1	173.7	154.4	132.2
-75°	220.1	215.8	209.8	201.8	191.7	180.2	168.7	155.9	141.3	124.1	107.1
-77.5°	172.3	168.6	163.4	157.5	150.4	142.1	132.6	121.9	109.7	96.9	82.8
-80°	128.3	125.7	121.5	116.1	110.5	104.0	97.8	90.0	80.6	70.0	58.5
-82.5°	88.5	85.7	82.4	78.6	75.3	71.0	65.5	58.8	51.3	43.1	38.0
-85°	53.5	51.3	48.6	45.5	42.1	38.0	35.6	33.0	30.7	28.1	25.4
-87.5°	24.0	23.1	22.2	21.2	20.2	19.0	17.8	16.5	15.4	14.1	12.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	11.2	9.9	8.4	6.6	4.7	2.3	0.0
85°	22.4	19.8	16.8	13.3	9.3	4.7	0.0
82.5°	33.6	29.7	25.2	19.9	13.9	7.0	0.0
80°	46.0	39.6	33.5	26.5	18.6	9.3	0.0
77.5°	67.7	52.6	41.9	33.1	23.1	11.6	0.0
75°	89.2	71.2	51.5	39.6	27.7	13.8	0.0
72.5°	110.7	89.7	66.8	46.1	32.1	16.1	0.0
70°	132.6	108.2	82.0	53.6	36.6	18.3	0.0
67.5°	157.6	126.4	97.0	65.2	40.9	20.5	0.0
65°	182.5	146.3	111.9	76.6	45.2	22.6	0.0
62.5°	207.3	167.7	126.6	87.9	49.4	24.7	0.0
60°	231.9	188.8	141.1	99.0	53.4	26.7	0.0
57.5°	259.9	209.8	158.1	109.9	60.7	28.7	0.0
55°	287.9	230.6	175.1	120.6	67.8	30.7	0.0
52.5°	315.6	251.5	191.8	131.0	74.7	32.6	0.0
50°	342.9	274.4	208.1	141.2	81.4	34.4	0.0
47.5°	370.5	296.9	224.1	151.7	87.9	36.1	0.0
45°	402.4	318.8	239.7	163.4	94.2	37.8	0.0
42.5°	434.1	340.2	255.0	174.8	100.2	39.4	0.0
40°	465.5	361.0	270.6	185.4	106.0	41.0	0.0
37.5°	496.5	381.2	286.6	195.3	111.5	42.4	0.0
35°	527.0	404.1	301.9	204.6	116.8	43.8	0.0
32.5°	558.3	428.1	316.6	213.2	121.7	45.1	0.0
30°	591.8	451.3	330.6	221.2	126.4	46.3	0.0
27.5°	624.1	473.6	342.3	228.6	130.8	47.5	0.0
25°	655.1	495.1	353.0	235.2	134.9	48.5	0.0
22.5°	684.8	514.2	363.0	241.3	138.6	49.4	0.0
20°	713.0	528.8	372.1	246.6	142.0	50.3	0.0
17.5°	734.3	541.6	380.3	251.2	145.1	51.0	0.0
15°	750.1	552.6	387.7	255.2	147.8	51.7	0.0
12.5°	763.7	561.8	394.2	258.5	150.1	52.2	0.0
10°	774.9	569.3	399.6	261.2	152.1	52.7	0.0
7.5°	783.8	575.0	404.1	263.2	153.7	53.0	0.0
5°	790.2	579.0	407.5	264.5	155.0	53.3	0.0
2.5°	794.2	581.3	409.9	265.2	155.8	53.4	0.0
0°	795.7	581.9	411.2	265.2	156.3	53.5	0.0
-2.5°	794.2	581.3	409.9	265.2	155.8	53.4	0.0
-5°	790.2	579.0	407.5	264.5	155.0	53.3	0.0
-7.5°	783.8	575.0	404.1	263.2	153.7	53.0	0.0
-10°	774.9	569.3	399.6	261.2	152.1	52.7	0.0
-12.5°	763.7	561.8	394.2	258.5	150.1	52.2	0.0
-15°	750.1	552.6	387.7	255.2	147.8	51.7	0.0
-17.5°	734.3	541.6	380.3	251.2	145.1	51.0	0.0
-20°	713.0	528.8	372.1	246.6	142.0	50.3	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	684.8	514.2	363.0	241.3	138.6	49.4	0.0
-25°	655.1	495.1	353.0	235.2	134.9	48.5	0.0
-27.5°	624.1	473.6	342.3	228.6	130.8	47.5	0.0
-30°	591.8	451.3	330.6	221.2	126.4	46.3	0.0
-32.5°	558.3	428.1	316.6	213.2	121.7	45.1	0.0
-35°	527.0	404.1	301.9	204.6	116.8	43.8	0.0
-37.5°	496.5	381.2	286.6	195.3	111.5	42.4	0.0
-40°	465.5	361.0	270.6	185.4	106.0	41.0	0.0
-42.5°	434.1	340.2	255.0	174.8	100.2	39.4	0.0
-45°	402.4	318.8	239.7	163.4	94.2	37.8	0.0
-47.5°	370.5	296.9	224.1	151.7	87.9	36.1	0.0
-50°	342.9	274.4	208.1	141.2	81.4	34.4	0.0
-52.5°	315.6	251.5	191.8	131.0	74.7	32.6	0.0
-55°	287.9	230.6	175.1	120.6	67.8	30.7	0.0
-57.5°	259.9	209.8	158.1	109.9	60.7	28.7	0.0
-60°	231.9	188.8	141.1	99.0	53.4	26.7	0.0
-62.5°	207.3	167.7	126.6	87.9	49.4	24.7	0.0
-65°	182.5	146.3	111.9	76.6	45.2	22.6	0.0
-67.5°	157.6	126.4	97.0	65.2	40.9	20.5	0.0
-70°	132.6	108.2	82.0	53.6	36.6	18.3	0.0
-72.5°	110.7	89.7	66.8	46.1	32.1	16.1	0.0
-75°	89.2	71.2	51.5	39.6	27.7	13.8	0.0
-77.5°	67.7	52.6	41.9	33.1	23.1	11.6	0.0
-80°	46.0	39.6	33.5	26.5	18.6	9.3	0.0
-82.5°	33.6	29.7	25.2	19.9	13.9	7.0	0.0
-85°	22.4	19.8	16.8	13.3	9.3	4.7	0.0
-87.5°	11.2	9.9	8.4	6.6	4.7	2.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)