

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P627220 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3D-735-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627220 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA3D-735-U-VWR-VSR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

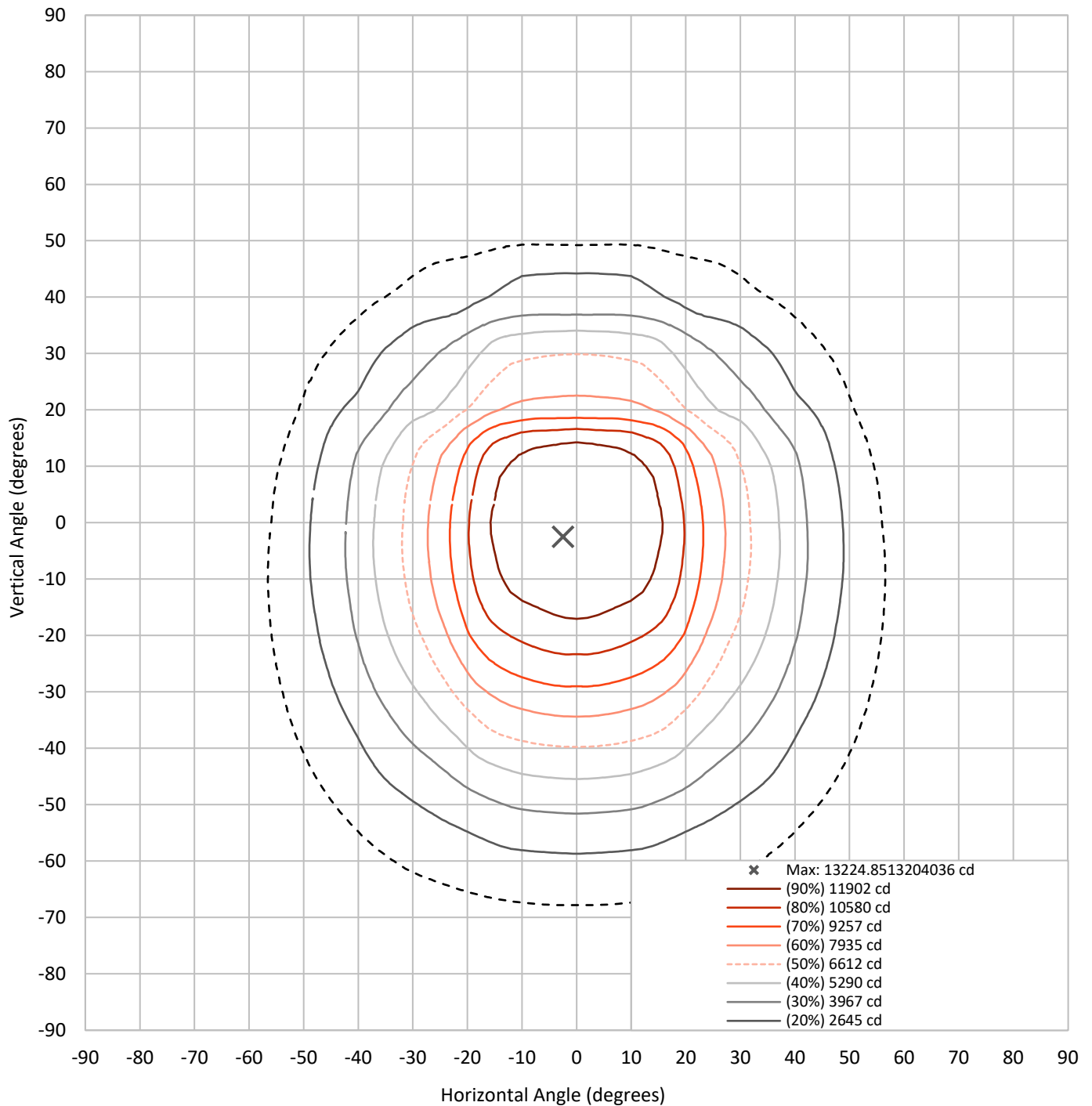
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	17649 lumens	Max Intensity:	13224.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	110.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	10211.1 lumens	Field Lumens:	16747.8 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	160.2		
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





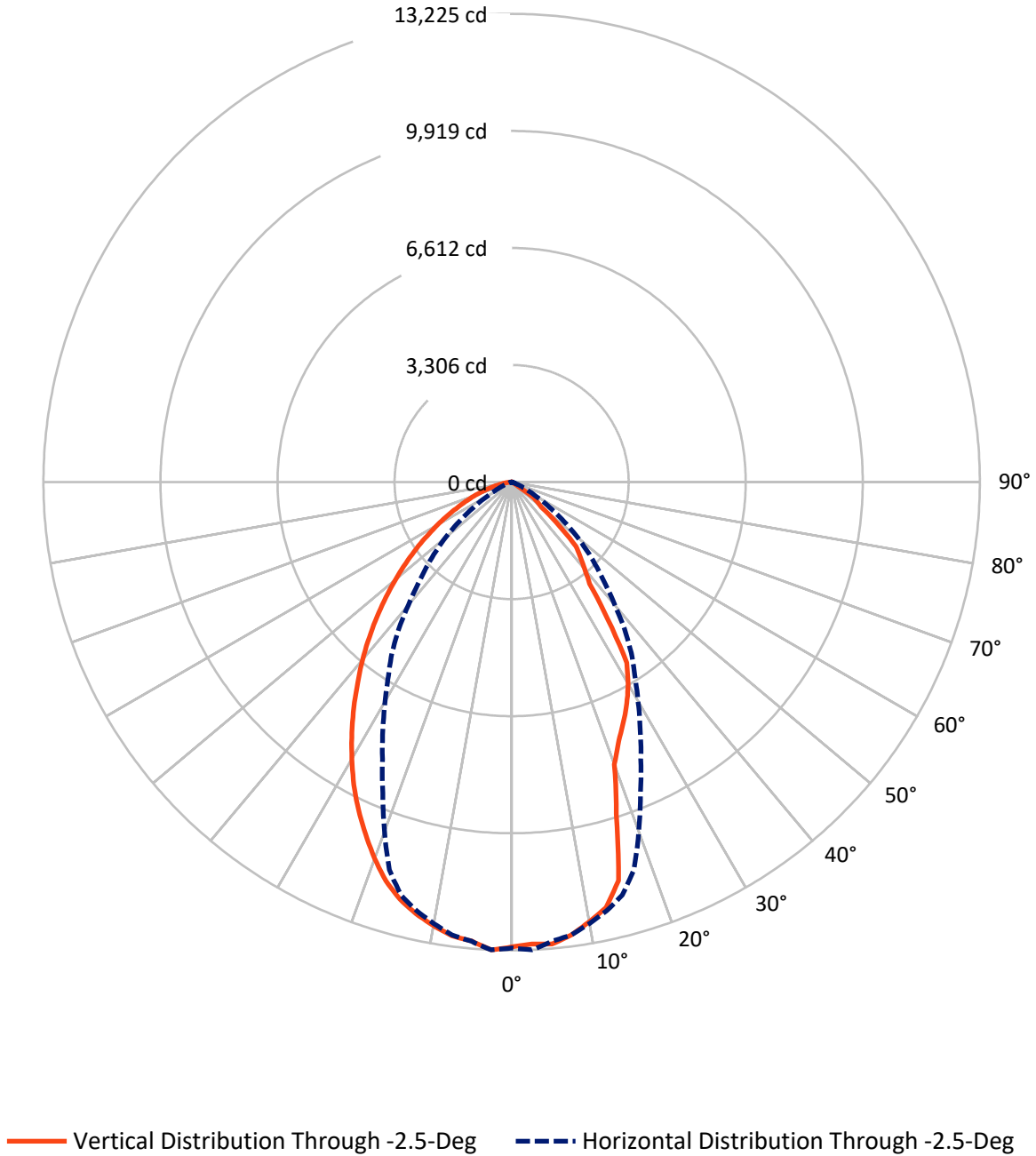
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### Lumen Table

90																			
80	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
70																			
60	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	
50		0.2	0.3	1.6	4.8	9.3	13.8	17.1	17.1	13.8	9.3	4.8	1.6	0.3	0.2				
40	0.3	0.3	2.0	9.0	21.9	39.4	58.2	71.2	71.2	58.2	39.4	21.9	9.0	2.0	0.3	0.3	0.3	0.3	
30		0.9	6.6	22.9	51.1	82.9	124.3	145.4	145.4	124.3	82.9	51.1	22.9	6.6	0.9				
20	0.5	2.0	12.7	40.6	82.4	130.7	196.0	225.3	225.3	196.0	130.7	82.4	40.6	12.7	2.0	0.5	0.5	0.5	
10		3.4	19.5	60.1	118.7	195.4	290.9	333.6	333.6	290.9	195.4	118.7	60.1	19.5	3.4				
0	0.9	4.6	25.3	71.4	142.0	233.5	343.5	389.8	389.8	343.5	233.5	142.0	71.4	25.3	4.6	0.9	0.9	0.9	
-10		5.4	27.9	74.1	145.8	238.9	346.1	391.3	391.3	346.1	238.9	145.8	74.1	27.9	5.4				
-20	1.1	5.7	27.3	70.2	137.5	223.6	321.2	362.9	362.9	321.2	223.6	137.5	70.2	27.3	5.7	1.1	1.1	1.1	
-30		5.2	23.9	61.2	118.8	190.1	269.2	304.9	304.9	269.2	190.1	118.8	61.2	23.9	5.2				
-40	1.1	4.3	19.0	48.1	93.4	146.7	205.6	232.8	232.8	205.6	146.7	93.4	48.1	19.0	4.3	1.1	1.1	1.1	
-50		3.5	14.0	34.3	66.9	103.1	142.3	161.5	161.5	142.3	103.1	66.9	34.3	14.0	3.5				
-60	0.8	2.6	9.2	22.0	41.6	64.0	87.0	99.2	99.2	87.0	64.0	41.6	22.0	9.2	2.6	0.8	0.8	0.8	
-70		1.8	5.6	12.9	22.9	34.0	44.9	50.9	50.9	44.9	34.0	22.9	12.9	5.6	1.8				
-80	0.3	4.1	19.0	41.5	46.3	41.5	19.0	4.1	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

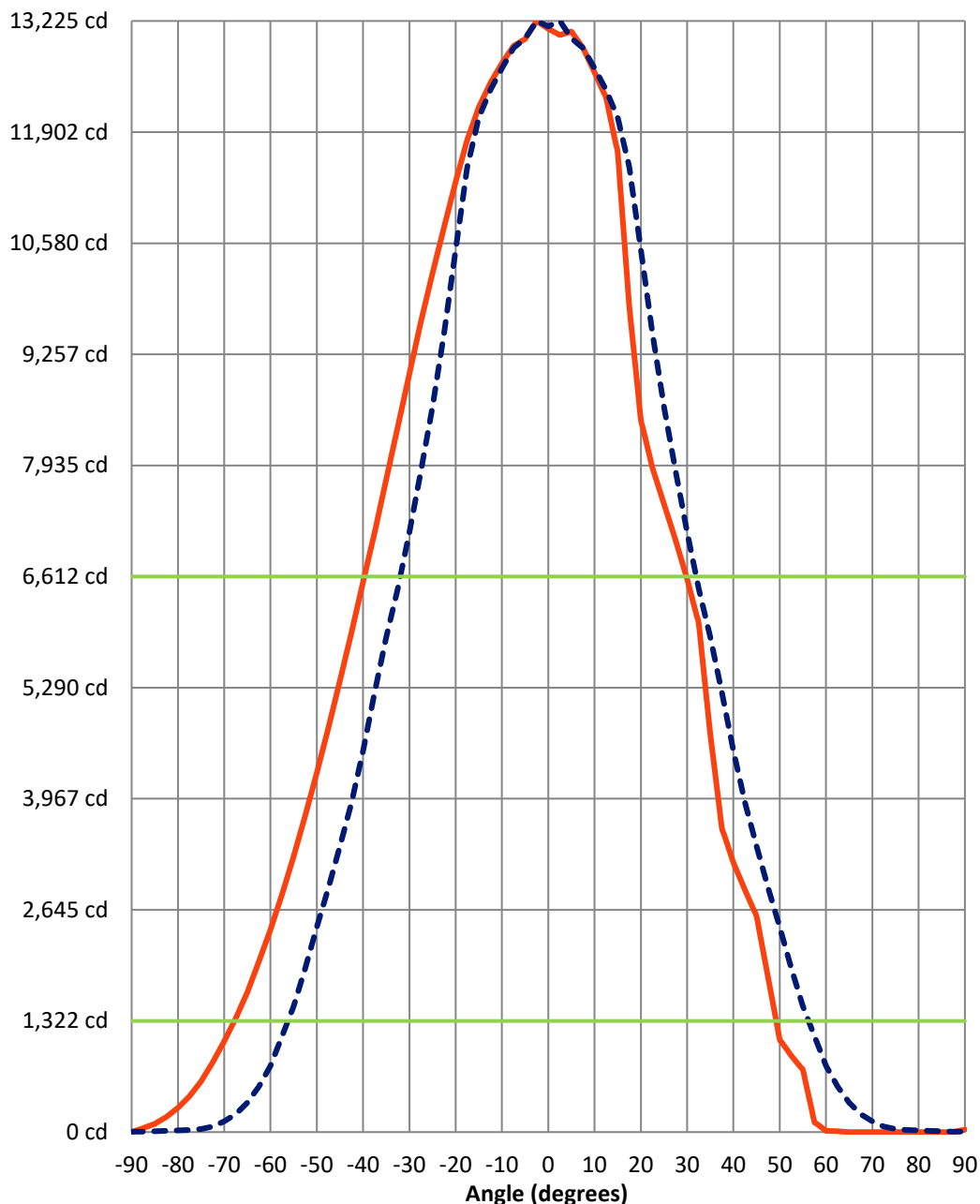
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 10211.1  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 16747.8  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 901.2  
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg  
 - - - Horizontal Distribution through -2.5-Deg

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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.9	4.9	4.9	6.1	7.4	8.7	9.9	11.1	12.4	13.6	14.8
87.5°	4.9	4.9	4.9	4.7	4.5	4.1	3.6	2.6	1.6	0.8	0.0
85°	4.9	4.9	4.9	4.6	4.1	3.3	2.4	1.5	0.8	0.3	0.0
82.5°	4.9	4.9	4.9	4.4	3.6	2.6	1.2	0.4	0.1	0.7	1.3
80°	4.9	4.9	4.9	4.3	3.3	1.8	0.3	1.0	1.8	2.6	3.3
77.5°	4.9	4.9	4.9	4.2	2.9	1.6	1.5	2.4	3.4	4.4	4.4
75°	4.9	4.9	4.9	4.0	2.7	2.4	2.7	3.8	4.8	4.0	2.6
72.5°	4.9	4.9	4.9	3.9	3.1	3.2	3.9	4.8	4.2	2.8	0.9
70°	4.9	4.9	4.9	3.9	3.5	3.9	4.9	4.6	3.6	1.9	2.2
67.5°	4.9	4.9	4.9	4.1	3.9	4.6	5.0	4.5	3.2	3.8	4.4
65°	4.9	4.9	4.9	4.3	4.3	5.1	5.2	4.5	4.9	5.7	6.1
62.5°	4.9	4.9	4.9	4.4	4.6	5.5	5.5	5.6	6.6	7.5	6.8
60°	4.9	4.9	4.9	4.5	4.9	5.9	5.8	7.1	8.3	8.6	7.7
57.5°	4.9	4.9	5.0	4.6	5.4	6.4	7.0	8.5	9.8	9.9	9.6
55°	4.9	4.9	5.0	4.7	5.9	6.9	8.3	10.0	11.3	11.4	12.0
52.5°	4.9	4.9	5.1	4.8	6.4	7.6	9.5	11.4	12.9	13.6	14.3
50°	4.9	4.9	5.2	4.9	7.0	8.6	10.7	12.8	14.6	15.7	16.6
47.5°	4.9	4.9	5.4	5.0	7.5	9.6	11.9	14.2	16.5	17.7	19.0
45°	4.9	4.9	5.5	5.5	8.1	10.5	13.1	15.6	18.2	19.8	21.3
42.5°	4.9	4.9	5.7	5.9	8.8	11.5	14.2	17.0	20.0	21.9	25.8
40°	4.9	4.9	5.8	6.5	9.5	12.4	15.3	18.7	22.0	23.9	30.8
37.5°	4.9	4.9	6.0	7.2	10.2	13.3	16.3	20.5	24.0	27.2	35.9
35°	4.9	4.9	6.3	7.9	10.8	14.1	17.4	22.2	26.2	33.4	45.7
32.5°	4.9	4.9	6.5	8.5	11.5	14.9	18.5	24.1	28.5	40.7	65.1
30°	4.9	4.9	6.7	9.1	12.1	15.7	20.0	26.0	30.8	49.0	84.1
27.5°	4.9	4.9	7.0	9.7	12.9	16.5	21.4	27.9	34.9	58.3	102.4
25°	4.9	4.9	7.2	10.3	13.7	17.2	22.9	29.8	42.1	71.8	120.4
22.5°	4.9	4.9	7.5	10.8	14.4	18.0	24.3	31.8	49.6	86.6	144.2
20°	4.9	4.9	7.8	11.4	15.1	18.9	25.8	33.7	57.4	100.7	167.8
17.5°	4.9	4.9	8.1	11.9	15.8	19.7	27.2	35.6	65.4	114.0	191.0
15°	4.9	4.9	8.3	12.4	16.5	20.6	28.6	38.1	73.4	126.4	213.6
12.5°	4.9	4.9	8.6	12.8	17.1	21.4	29.8	41.6	82.3	138.0	235.2
10°	4.9	4.9	8.9	13.3	17.7	22.1	31.0	45.2	91.7	151.4	256.8
7.5°	4.9	4.9	9.2	13.7	18.2	22.8	32.1	48.8	100.6	164.4	279.6
5°	4.9	4.9	9.4	14.1	18.8	23.5	33.0	52.4	109.0	176.6	300.6
2.5°	4.9	4.9	9.7	14.5	19.2	24.1	33.9	55.9	116.6	187.6	319.4
0°	4.9	4.9	9.9	14.8	19.7	24.7	34.6	59.2	123.4	197.5	335.7
-2.5°	4.9	4.9	9.9	14.8	20.1	25.2	36.5	65.2	128.3	213.1	350.4
-5°	4.9	4.9	9.9	14.7	20.5	25.7	38.3	70.7	132.2	226.8	362.4
-7.5°	4.9	4.9	9.8	14.7	20.8	26.1	39.8	75.6	135.3	237.9	371.8
-10°	4.9	4.9	9.7	14.6	21.0	26.5	41.1	79.6	137.6	246.0	378.8
-12.5°	4.9	4.9	9.7	14.4	21.2	26.8	42.0	82.5	139.2	250.2	384.1
-15°	4.9	4.9	9.6	14.3	21.3	27.1	42.6	84.3	142.0	249.7	386.1
-17.5°	4.9	4.9	9.4	14.1	21.3	27.3	42.8	86.2	146.3	247.2	383.7
-20°	4.9	4.9	9.3	13.9	21.1	27.4	43.9	87.9	149.1	242.7	376.7

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Scaled Data Report



REPORT NUMBER: P627220 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.9	4.9	9.1	13.7	20.9	27.6	46.7	88.7	150.3	236.2	364.7
-25°	4.9	4.9	9.0	13.4	20.5	29.4	49.1	88.5	149.9	227.8	347.6
-27.5°	4.9	4.9	8.8	13.1	20.0	31.7	50.8	87.1	147.8	220.7	335.1
-30°	4.9	4.9	8.6	12.8	19.5	33.7	52.1	84.7	145.0	217.5	321.1
-32.5°	4.9	4.9	8.3	12.5	20.2	35.3	52.7	84.8	141.5	212.1	305.3
-35°	4.9	4.9	8.1	12.1	20.8	36.6	54.2	85.3	136.6	204.4	287.7
-37.5°	4.9	4.9	7.8	11.7	21.1	37.4	55.6	85.0	130.3	194.5	279.9
-40°	4.9	4.9	7.6	11.3	21.2	37.7	56.5	83.8	122.6	185.0	271.1
-42.5°	4.9	4.9	7.3	11.1	21.4	37.7	56.8	81.9	118.2	177.3	257.6
-45°	4.9	4.9	7.0	11.2	21.5	37.4	56.5	80.1	115.0	167.9	240.7
-47.5°	4.9	4.9	6.7	11.1	21.4	36.9	55.7	79.0	110.8	156.5	227.4
-50°	4.9	4.9	6.3	11.0	21.0	36.0	54.5	77.1	107.5	152.5	211.6
-52.5°	4.9	4.9	6.0	10.7	20.3	34.9	53.0	74.4	104.8	147.1	194.6
-55°	4.9	4.9	5.6	10.4	19.5	33.4	51.1	71.0	101.4	140.4	186.4
-57.5°	4.9	4.9	5.3	10.1	18.4	31.6	48.8	68.0	96.6	133.4	176.8
-60°	4.9	4.9	4.9	9.6	17.1	29.5	46.1	64.7	90.6	125.1	165.7
-62.5°	4.9	4.9	4.9	9.1	16.1	27.0	42.4	60.2	83.1	115.2	152.8
-65°	4.9	4.9	4.9	8.5	15.1	24.2	38.2	54.6	74.0	102.3	138.2
-67.5°	4.9	4.9	4.9	7.8	13.9	21.7	33.6	47.9	63.5	87.1	118.7
-70°	4.9	4.9	4.9	7.1	12.6	19.7	28.6	40.8	54.4	70.2	96.0
-72.5°	4.9	4.9	4.9	6.9	11.3	17.6	25.3	33.4	44.8	58.2	73.4
-75°	4.9	4.9	4.9	6.9	9.8	15.3	22.0	28.1	34.9	45.9	58.4
-77.5°	4.9	4.9	4.9	6.8	9.3	12.9	18.6	23.6	29.0	34.7	42.8
-80°	4.9	4.9	4.9	6.7	9.0	11.6	15.0	19.0	23.3	28.0	33.0
-82.5°	4.9	4.9	4.9	6.6	8.6	10.9	13.6	15.5	17.6	21.1	24.8
-85°	4.9	4.9	4.9	6.5	8.2	10.2	12.4	14.0	15.7	17.3	18.9
-87.5°	4.9	4.9	4.9	6.3	7.8	9.4	11.2	12.6	14.0	15.4	16.9
-90°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.7	2.4	1.2	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°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	16.0	17.3	18.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.4	1.3	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.2	2.6	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.8	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.0	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.8	1.4	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2.8	3.0	2.0	0.8	0.0	0.3	0.7	0.5	0.0	0.3	0.6
67.5°	4.6	3.4	2.2	1.4	1.8	2.5	2.3	2.5	2.7	2.9	2.5
65°	4.8	3.6	3.7	4.3	4.8	5.3	5.7	6.1	5.1	4.4	4.5
62.5°	5.1	5.6	6.4	7.2	7.9	8.6	8.6	7.7	5.8	7.3	8.4
60°	7.3	8.1	9.1	10.1	11.1	11.6	11.1	11.2	12.4	14.4	27.7
57.5°	9.9	10.6	11.8	13.4	14.7	14.9	15.3	16.7	39.1	63.9	70.6
55°	12.5	13.0	15.1	17.5	19.0	18.8	27.1	57.1	86.1	119.3	131.6
52.5°	15.0	16.1	19.6	22.6	24.4	38.0	68.6	109.3	152.2	190.3	239.6
50°	17.6	21.1	24.8	29.1	46.4	82.0	126.7	182.2	246.9	307.8	370.2
47.5°	22.0	26.5	32.1	45.9	91.6	141.0	202.7	292.1	371.9	445.6	531.2
45°	27.2	36.5	42.7	90.9	144.0	207.7	312.2	421.6	493.9	592.6	744.0
42.5°	32.5	50.5	81.6	137.4	202.0	304.7	434.4	527.5	623.8	783.8	942.9
40°	46.8	67.7	123.0	189.4	271.3	421.1	554.2	659.6	791.2	968.4	1134.6
37.5°	64.1	103.4	165.3	245.0	380.1	544.2	686.8	837.5	988.6	1155.8	1464.0
35°	83.4	136.5	219.0	326.4	488.9	680.8	850.7	1019.1	1193.3	1522.5	1828.3
32.5°	108.5	166.9	275.0	421.1	606.6	817.2	1014.4	1209.1	1488.5	1861.0	2167.8
30°	135.5	215.9	339.5	508.7	717.3	942.1	1179.2	1414.9	1784.7	2092.9	2426.1
27.5°	163.7	267.6	415.2	600.3	821.1	1060.0	1327.6	1663.8	1993.6	2298.2	2664.3
25°	192.7	321.5	484.4	687.8	923.1	1187.4	1495.2	1904.7	2162.7	2499.3	2881.2
22.5°	230.0	373.0	552.9	767.2	1017.6	1318.3	1710.8	2122.0	2425.7	2708.8	3081.9
20°	273.1	431.0	627.4	866.6	1110.3	1446.1	1925.3	2357.7	2715.0	3039.1	3381.8
17.5°	313.4	485.2	707.1	968.1	1245.1	1610.0	2135.7	2614.3	3007.4	3368.6	3796.4
15°	350.7	535.4	785.1	1064.1	1377.6	1797.7	2324.3	2850.0	3298.9	3705.3	4191.4
12.5°	384.7	581.2	860.3	1154.0	1502.3	1959.6	2482.7	2995.8	3489.2	4018.8	4570.5
10°	415.4	622.4	931.4	1237.1	1618.0	2096.5	2613.6	3117.5	3615.2	4175.6	4788.6
7.5°	448.3	660.9	995.8	1312.5	1723.3	2209.6	2718.2	3215.0	3717.0	4301.1	4930.4
5°	478.8	696.4	1047.1	1366.5	1804.6	2297.8	2796.9	3289.1	3794.3	4394.6	5037.8
2.5°	505.5	726.2	1088.8	1408.9	1864.9	2362.7	2848.0	3350.9	3851.7	4470.6	5119.8
0°	528.2	750.4	1120.6	1441.5	1910.5	2409.1	2878.1	3391.5	3885.2	4522.1	5173.7
-2.5°	542.7	790.0	1142.5	1498.3	1950.3	2439.5	2905.0	3402.9	3921.3	4538.4	5234.2
-5°	552.9	822.1	1155.7	1542.1	1976.4	2452.9	2913.9	3394.1	3931.0	4534.3	5243.2
-7.5°	558.9	844.8	1161.9	1567.0	1985.5	2444.9	2898.9	3377.4	3915.2	4518.8	5203.9
-10°	562.3	851.9	1170.3	1559.5	1973.5	2418.4	2865.5	3338.2	3870.4	4468.3	5129.5
-12.5°	571.6	847.3	1168.8	1542.9	1947.5	2378.5	2816.0	3276.1	3795.8	4382.2	5026.5
-15°	573.9	837.1	1154.8	1518.5	1907.9	2326.2	2751.2	3190.9	3703.8	4298.2	4912.6
-17.5°	568.7	821.8	1127.4	1487.3	1854.7	2262.8	2674.8	3114.2	3617.5	4201.5	4793.0
-20°	555.5	801.9	1086.1	1450.4	1791.7	2192.4	2598.4	3033.8	3518.2	4067.2	4659.2



REPORT NUMBER: P627220 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	533.9	777.8	1041.4	1399.1	1737.2	2111.5	2508.8	2924.2	3393.9	3893.0	4479.4
-25°	511.6	750.6	1006.2	1328.4	1671.7	2017.0	2405.8	2790.3	3247.8	3738.0	4258.3
-27.5°	490.4	712.7	969.6	1251.1	1594.5	1916.1	2289.4	2664.4	3083.5	3564.0	4043.0
-30°	462.7	671.7	924.8	1176.7	1502.3	1821.1	2159.5	2528.6	2905.5	3361.5	3832.8
-32.5°	438.2	629.2	874.0	1120.0	1403.1	1714.1	2019.5	2371.3	2739.2	3127.9	3593.6
-35°	421.8	603.9	820.1	1054.6	1302.0	1597.7	1888.2	2193.8	2550.1	2914.9	3323.8
-37.5°	408.6	574.9	763.3	986.4	1221.9	1475.7	1747.6	2028.8	2339.7	2707.5	3092.0
-40°	387.7	542.3	721.3	921.3	1129.1	1359.9	1612.3	1866.9	2136.4	2495.7	2875.0
-42.5°	361.0	510.8	681.6	850.6	1040.4	1251.1	1475.5	1715.2	1974.2	2286.3	2635.0
-45°	340.5	470.4	637.6	788.9	946.0	1138.7	1349.4	1566.5	1810.8	2078.8	2392.0
-47.5°	314.3	426.5	579.9	721.3	859.8	1024.3	1217.0	1422.5	1638.8	1880.3	2137.0
-50°	286.4	389.9	509.4	647.1	779.1	915.9	1080.2	1270.3	1466.6	1677.0	1906.1
-52.5°	265.2	347.0	456.2	570.8	696.6	820.7	960.6	1123.5	1298.9	1474.7	1676.2
-55°	241.3	315.5	405.4	508.2	615.4	730.2	857.5	1000.3	1143.2	1304.8	1465.5
-57.5°	224.4	285.2	363.1	452.4	548.7	646.3	766.5	887.1	1019.5	1153.1	1286.5
-60°	211.2	259.0	323.6	402.2	488.0	579.3	678.0	789.4	903.3	1012.4	1127.7
-62.5°	196.1	237.7	288.2	352.4	429.9	509.2	596.1	691.6	794.7	886.6	975.9
-65°	176.6	212.7	256.1	308.3	369.2	436.3	510.3	590.8	679.9	754.4	827.4
-67.5°	154.2	184.6	221.0	263.6	314.4	366.7	421.1	489.2	561.5	622.3	681.8
-70°	126.0	154.2	183.9	218.6	258.4	302.8	350.7	400.1	449.6	499.3	553.7
-72.5°	96.5	122.1	147.3	172.1	203.8	240.1	279.1	320.6	363.8	406.3	447.6
-75°	73.5	90.2	112.2	134.5	156.5	180.2	206.6	239.6	279.7	320.9	358.7
-77.5°	55.5	69.5	84.1	99.5	113.4	130.9	149.9	170.4	203.6	241.6	280.0
-80°	40.0	48.4	60.1	72.4	82.2	91.8	101.9	112.2	136.9	167.5	200.2
-82.5°	29.7	35.4	41.9	49.1	54.0	58.8	64.2	71.1	89.3	110.0	131.8
-85°	20.4	22.1	25.7	29.7	32.4	35.2	38.1	41.0	50.9	61.9	73.7
-87.5°	17.6	18.5	19.4	20.5	20.8	21.2	21.5	21.8	25.1	28.6	32.2
-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: P627220 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	19.7	21.0	22.2	23.5	24.7	25.9	27.2	28.4	29.6	29.6	29.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.4	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2.2	2.5	2.5	2.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
65°	5.2	4.9	3.7	2.4	1.2	1.9	3.0	3.6	3.6	3.2	2.5
62.5°	7.8	7.2	6.5	7.5	9.0	10.4	10.0	9.4	8.8	8.4	8.7
60°	29.2	19.5	22.5	28.3	26.4	18.1	29.7	33.7	28.7	19.6	19.0
57.5°	74.0	71.4	81.8	119.5	131.5	119.9	143.2	173.9	173.0	148.9	148.2
55°	157.7	211.5	276.5	287.1	332.3	423.1	493.7	462.7	462.5	485.8	560.8
52.5°	299.4	350.3	369.2	419.7	514.3	583.0	627.1	672.7	722.8	773.9	825.6
50°	439.5	488.8	544.9	596.6	727.5	798.0	786.2	880.8	1001.9	1077.5	1116.3
47.5°	644.6	722.4	840.8	1026.4	1124.2	1194.8	1282.7	1389.8	1528.5	1716.5	1861.4
45°	886.2	1008.5	1191.8	1388.9	1540.5	1609.7	1710.2	1876.1	2097.2	2312.5	2469.7
42.5°	1083.6	1251.4	1458.1	1646.5	1770.2	1883.7	2013.9	2153.8	2407.0	2637.0	2818.7
40°	1341.3	1472.0	1703.9	1881.5	1992.2	2104.7	2311.0	2520.4	2758.6	2972.8	3121.7
37.5°	1667.8	1814.9	2056.1	2257.0	2363.6	2403.4	2754.2	3045.7	3239.2	3512.7	3602.2
35°	2018.6	2260.7	2568.1	2828.5	2933.1	3141.7	3503.1	3909.8	4350.5	4512.6	4650.8
32.5°	2410.0	2708.7	3125.8	3405.3	3554.5	3871.1	4328.4	4762.6	5338.9	5651.6	5745.1
30°	2768.0	3110.9	3469.4	3741.0	3996.0	4377.3	4794.4	5329.7	5862.6	6262.4	6386.6
27.5°	3030.8	3410.2	3754.8	4009.2	4296.9	4708.0	5228.1	5770.2	6293.2	6701.1	6846.1
25°	3281.7	3710.4	3983.3	4279.0	4616.9	5065.0	5641.3	6243.6	6758.8	7103.6	7281.4
22.5°	3567.0	3989.7	4282.7	4533.1	4974.9	5491.3	6026.2	6706.8	7252.6	7527.8	7720.5
20°	3861.4	4339.8	4792.3	5025.2	5407.6	6061.3	6660.0	7302.6	7829.7	8116.4	8319.4
17.5°	4272.3	4881.9	5436.8	5766.8	6176.2	6957.8	7705.0	8355.0	9088.2	9347.2	9595.2
15°	4705.5	5411.1	6061.1	6583.9	7112.6	7887.1	8849.0	9633.4	10469.9	10843.6	11266.0
12.5°	5137.4	5805.0	6393.9	7068.3	7813.5	8498.7	9414.4	10391.1	11150.3	11626.8	11911.2
10°	5460.1	6080.2	6647.0	7322.9	8066.8	8841.8	9751.8	10753.0	11547.7	11954.3	12186.4
7.5°	5634.4	6227.9	6825.7	7510.7	8251.2	9076.6	10014.2	11007.5	11820.1	12214.1	12443.3
5°	5763.9	6333.8	6952.8	7673.9	8422.7	9259.5	10195.8	11177.3	11918.3	12337.0	12626.8
2.5°	5842.2	6400.9	7033.9	7779.3	8530.0	9401.6	10383.1	11400.5	12048.8	12385.7	12652.2
0°	5864.9	6427.6	7079.3	7834.6	8604.7	9483.5	10456.0	11463.1	12119.7	12445.5	12717.1
-2.5°	5890.4	6469.8	7139.4	7870.4	8634.0	9510.3	10503.0	11484.3	12075.0	12403.7	12662.1
-5°	5872.6	6473.1	7140.6	7840.8	8609.4	9478.7	10431.7	11349.2	11967.1	12322.6	12579.4
-7.5°	5819.4	6428.5	7089.1	7762.1	8516.0	9395.2	10344.2	11227.7	11853.7	12228.5	12509.5
-10°	5742.1	6333.4	6998.6	7680.1	8425.1	9261.9	10196.3	11074.6	11673.6	12071.6	12399.1
-12.5°	5656.4	6235.5	6876.6	7530.3	8267.1	9093.6	9998.9	10830.3	11425.8	11859.9	12094.0
-15°	5529.4	6108.2	6721.1	7353.4	8071.5	8873.3	9738.1	10535.8	11120.5	11473.8	11732.4
-17.5°	5367.9	5935.8	6516.8	7116.6	7793.1	8582.7	9452.8	10239.5	10716.2	11031.7	11285.9
-20°	5194.9	5720.0	6270.5	6836.4	7492.2	8274.4	9128.9	9815.1	10264.4	10567.5	10807.5



REPORT NUMBER: P627220 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4997.3	5502.9	6006.8	6547.8	7190.8	7908.0	8662.8	9325.8	9808.9	10085.0	10306.8
-25°	4771.7	5263.6	5742.1	6264.6	6855.5	7500.2	8202.0	8853.6	9286.3	9579.5	9799.5
-27.5°	4528.7	4990.9	5458.3	5927.5	6458.8	7101.1	7751.0	8356.4	8725.7	9021.3	9242.6
-30°	4286.2	4701.9	5134.4	5578.6	6077.2	6656.3	7264.3	7773.3	8162.8	8450.0	8655.4
-32.5°	4023.4	4417.9	4801.0	5216.2	5685.7	6196.1	6729.6	7213.8	7630.0	7893.0	8066.2
-35°	3754.3	4136.1	4486.8	4863.6	5277.7	5718.2	6210.7	6688.3	7099.2	7307.3	7476.1
-37.5°	3474.0	3854.7	4187.2	4501.9	4858.7	5266.6	5746.2	6201.9	6557.0	6735.9	6888.0
-40°	3230.2	3565.4	3864.6	4165.9	4455.9	4818.1	5265.7	5706.9	5991.8	6166.1	6307.5
-42.5°	2993.5	3276.3	3521.4	3791.4	4081.7	4438.8	4799.9	5169.8	5398.8	5592.3	5741.2
-45°	2717.9	2970.6	3200.4	3425.0	3689.7	4015.8	4343.9	4640.1	4854.6	5041.7	5186.6
-47.5°	2413.0	2657.1	2880.2	3081.0	3327.0	3598.9	3875.2	4121.8	4333.6	4518.4	4647.7
-50°	2128.9	2346.9	2564.8	2768.0	2981.2	3201.2	3425.3	3641.7	3842.7	4022.4	4132.4
-52.5°	1874.3	2075.5	2265.9	2443.6	2630.2	2816.1	3001.6	3199.8	3384.8	3554.8	3642.7
-55°	1644.1	1825.5	1997.3	2147.0	2296.7	2444.1	2603.2	2786.1	2956.5	3113.9	3177.0
-57.5°	1437.4	1592.6	1744.7	1871.3	1993.5	2110.8	2250.4	2404.8	2553.9	2688.8	2740.4
-60°	1247.2	1370.4	1497.6	1609.9	1716.4	1817.0	1938.8	2063.1	2184.0	2285.8	2329.7
-62.5°	1072.3	1177.7	1274.0	1365.3	1455.5	1546.1	1644.4	1743.0	1840.7	1919.1	1958.7
-65°	903.7	987.6	1065.0	1140.0	1212.9	1288.9	1365.9	1440.9	1513.2	1569.2	1603.6
-67.5°	745.4	809.2	870.6	929.1	990.0	1051.7	1111.9	1169.3	1223.6	1266.9	1299.8
-70°	605.1	654.5	702.6	751.0	801.8	849.7	895.1	938.1	978.5	1009.7	1035.0
-72.5°	487.8	527.8	569.3	613.0	654.1	689.9	722.5	753.9	783.9	801.6	814.7
-75°	393.2	426.9	463.0	498.3	532.7	559.9	583.8	607.0	629.3	630.4	626.0
-77.5°	317.7	347.8	375.7	403.5	430.9	447.7	462.3	477.4	492.7	483.9	469.9
-80°	233.1	258.2	282.0	305.8	329.7	339.6	346.5	352.6	357.6	346.1	331.8
-82.5°	154.7	170.5	186.0	201.7	217.6	224.0	228.7	232.6	235.7	225.3	213.3
-85°	86.3	93.9	101.4	108.9	116.5	120.9	125.0	128.7	132.1	125.9	118.9
-87.5°	35.9	37.6	39.3	40.9	42.5	44.1	45.7	47.2	48.7	48.9	49.1
-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: P627220 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	28.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.5	0.2	0.0	0.0	0.0	0.2	1.5	2.5	3.2	3.6	3.6
62.5°	9.1	9.5	9.8	9.9	9.8	9.5	9.1	8.7	8.4	8.8	9.4
60°	17.4	15.3	14.7	14.8	14.7	15.3	17.4	19.0	19.6	28.7	33.7
57.5°	136.8	117.1	120.1	133.3	120.1	117.1	136.8	148.2	148.9	173.0	173.9
55°	639.5	713.9	740.2	725.7	740.2	713.9	639.5	560.8	485.8	462.5	462.7
52.5°	866.5	897.0	908.8	908.4	908.8	897.0	866.5	825.6	773.9	722.8	672.7
50°	1128.1	1117.8	1101.9	1086.1	1101.9	1117.8	1128.1	1116.3	1077.5	1001.9	880.8
47.5°	1882.6	1850.0	1836.2	1861.2	1836.2	1850.0	1882.6	1861.4	1716.5	1528.5	1389.8
45°	2501.8	2540.0	2568.6	2567.1	2568.6	2540.0	2501.8	2469.7	2312.5	2097.2	1876.1
42.5°	2854.3	2874.7	2880.6	2873.2	2880.6	2874.7	2854.3	2818.7	2637.0	2407.0	2153.8
40°	3168.5	3192.8	3206.4	3218.8	3206.4	3192.8	3168.5	3121.7	2972.8	2758.6	2520.4
37.5°	3631.7	3640.6	3621.2	3608.8	3621.2	3640.6	3631.7	3602.2	3512.7	3239.2	3045.7
35°	4767.3	4790.6	4736.7	4793.6	4736.7	4790.6	4767.3	4650.8	4512.6	4350.5	3909.8
32.5°	5856.4	5965.4	6053.6	6126.5	6053.6	5965.4	5856.4	5745.1	5651.6	5338.9	4762.6
30°	6473.3	6543.6	6581.4	6590.6	6581.4	6543.6	6473.3	6386.6	6262.4	5862.6	5329.7
27.5°	6926.3	7000.0	7045.9	7079.3	7045.9	7000.0	6926.3	6846.1	6701.1	6293.2	5770.2
25°	7362.9	7430.3	7476.2	7494.0	7476.2	7430.3	7362.9	7281.4	7103.6	6758.8	6243.6
22.5°	7815.9	7862.7	7906.8	7928.4	7906.8	7862.7	7815.9	7720.5	7527.8	7252.6	6706.8
20°	8465.2	8439.8	8480.0	8466.5	8480.0	8439.8	8465.2	8319.4	8116.4	7829.7	7302.6
17.5°	9788.7	9802.5	9829.3	9873.5	9829.3	9802.5	9788.7	9595.2	9347.2	9088.2	8355.0
15°	11453.1	11486.6	11656.9	11808.7	11656.9	11486.6	11453.1	11266.0	10843.6	10469.9	9633.4
12.5°	12175.1	12291.0	12309.0	12351.7	12309.0	12291.0	12175.1	11911.2	11626.8	11150.3	10391.1
10°	12416.0	12616.7	12612.4	12662.8	12612.4	12616.7	12416.0	12186.4	11954.3	11547.7	10753.0
7.5°	12598.8	12814.3	12905.4	12944.1	12905.4	12814.3	12598.8	12443.3	12214.1	11820.1	11007.5
5°	12822.0	12940.5	13097.7	13052.8	13097.7	12940.5	12822.0	12626.8	12337.0	11918.3	11177.3
2.5°	12915.6	13101.2	13058.3	13102.1	13058.3	13101.2	12915.6	12652.2	12385.7	12048.8	11400.5
0°	12978.7	13112.0	13131.7	13176.2	13131.7	13112.0	12978.7	12717.1	12445.5	12119.7	11463.1
-2.5°	12902.1	13019.5	13224.9	13161.4	13224.9	13019.5	12902.1	12662.1	12403.7	12075.0	11484.3
-5°	12835.1	13123.8	13011.6	13151.5	13011.6	13123.8	12835.1	12579.4	12322.6	11967.1	11349.2
-7.5°	12800.4	12852.0	12926.4	13033.0	12926.4	12852.0	12800.4	12509.5	12228.5	11853.7	11227.7
-10°	12532.4	12585.2	12722.0	12796.0	12722.0	12585.2	12532.4	12399.1	12071.6	11673.6	11074.6
-12.5°	12241.9	12344.1	12487.7	12534.4	12487.7	12344.1	12241.9	12094.0	11859.9	11425.8	10830.3
-15°	11907.1	12058.9	12198.9	12228.3	12198.9	12058.9	11907.1	11732.4	11473.8	11120.5	10535.8
-17.5°	11481.4	11663.5	11810.6	11843.3	11810.6	11663.5	11481.4	11285.9	11031.7	10716.2	10239.5
-20°	11012.3	11186.8	11311.9	11349.6	11311.9	11186.8	11012.3	10807.5	10567.5	10264.4	9815.1



REPORT NUMBER: P627220 (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°	10510.2	10667.2	10773.0	10757.2	10773.0	10667.2	10510.2	10306.8	10085.0	9808.9	9325.8
-25°	9977.0	10122.8	10223.5	10209.2	10223.5	10122.8	9977.0	9799.5	9579.5	9286.3	8853.6
-27.5°	9413.3	9551.4	9648.2	9651.3	9648.2	9551.4	9413.3	9242.6	9021.3	8725.7	8356.4
-30°	8821.1	8946.5	9025.2	8994.8	9025.2	8946.5	8821.1	8655.4	8450.0	8162.8	7773.3
-32.5°	8210.2	8323.6	8395.7	8417.2	8395.7	8323.6	8210.2	8066.2	7893.0	7630.0	7213.8
-35°	7607.7	7707.6	7769.9	7785.2	7769.9	7707.6	7607.7	7476.1	7307.3	7099.2	6688.3
-37.5°	7009.0	7095.0	7138.5	7118.8	7138.5	7095.0	7009.0	6888.0	6735.9	6557.0	6201.9
-40°	6417.4	6499.3	6549.1	6560.9	6549.1	6499.3	6417.4	6307.5	6166.1	5991.8	5706.9
-42.5°	5835.7	5903.9	5947.5	5968.5	5947.5	5903.9	5835.7	5741.2	5592.3	5398.8	5169.8
-45°	5271.2	5332.1	5373.1	5395.9	5373.1	5332.1	5271.2	5186.6	5041.7	4854.6	4640.1
-47.5°	4722.0	4775.4	4810.7	4828.1	4810.7	4775.4	4722.0	4647.7	4518.4	4333.6	4121.8
-50°	4196.8	4243.0	4276.0	4295.0	4276.0	4243.0	4196.8	4132.4	4022.4	3842.7	3641.7
-52.5°	3698.7	3739.1	3767.2	3781.5	3767.2	3739.1	3698.7	3642.7	3554.8	3384.8	3199.8
-55°	3223.0	3255.8	3281.8	3297.7	3281.8	3255.8	3223.0	3177.0	3113.9	2956.5	2786.1
-57.5°	2779.6	2806.3	2831.0	2848.5	2831.0	2806.3	2779.6	2740.4	2688.8	2553.9	2404.8
-60°	2364.3	2389.6	2410.6	2423.9	2410.6	2389.6	2364.3	2329.7	2285.8	2184.0	2063.1
-62.5°	1989.7	2012.1	2031.3	2043.8	2031.3	2012.1	1989.7	1958.7	1919.1	1840.7	1743.0
-65°	1630.6	1650.6	1665.0	1673.6	1665.0	1650.6	1630.6	1603.6	1569.2	1513.2	1440.9
-67.5°	1327.8	1350.9	1355.5	1352.7	1355.5	1350.9	1327.8	1299.8	1266.9	1223.6	1169.3
-70°	1057.6	1077.2	1081.7	1081.1	1081.7	1077.2	1057.6	1035.0	1009.7	978.5	938.1
-72.5°	827.0	837.6	828.6	814.6	828.6	837.6	827.0	814.7	801.6	783.9	753.9
-75°	620.5	613.7	604.1	592.4	604.1	613.7	620.5	626.0	630.4	629.3	607.0
-77.5°	454.5	437.7	426.7	414.7	426.7	437.7	454.5	469.9	483.9	492.7	477.4
-80°	316.4	299.9	288.6	276.5	288.6	299.9	316.4	331.8	346.1	357.6	352.6
-82.5°	200.4	186.9	180.0	172.8	180.0	186.9	200.4	213.3	225.3	235.7	232.6
-85°	111.3	103.4	98.7	93.8	98.7	103.4	111.3	118.9	125.9	132.1	128.7
-87.5°	49.2	49.3	46.9	44.4	46.9	49.3	49.2	49.1	48.9	48.7	47.2
-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):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	27.2	25.9	24.7	23.5	22.2	21.0	19.7	18.5	17.3	16.0	14.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.2	0.1	0.0	0.0	0.4	0.6	0.3	0.0	0.5
67.5°	0.0	0.0	0.9	2.0	2.5	2.5	2.2	2.5	2.9	2.7	2.5
65°	3.0	1.9	1.2	2.4	3.7	4.9	5.2	4.5	4.4	5.1	6.1
62.5°	10.0	10.4	9.0	7.5	6.5	7.2	7.8	8.4	7.3	5.8	7.7
60°	29.7	18.1	26.4	28.3	22.5	19.5	29.2	27.7	14.4	12.4	11.2
57.5°	143.2	119.9	131.5	119.5	81.8	71.4	74.0	70.6	63.9	39.1	16.7
55°	493.7	423.1	332.3	287.1	276.5	211.5	157.7	131.6	119.3	86.1	57.1
52.5°	627.1	583.0	514.3	419.7	369.2	350.3	299.4	239.6	190.3	152.2	109.3
50°	786.2	798.0	727.5	596.6	544.9	488.8	439.5	370.2	307.8	246.9	182.2
47.5°	1282.7	1194.8	1124.2	1026.4	840.8	722.4	644.6	531.2	445.6	371.9	292.1
45°	1710.2	1609.7	1540.5	1388.9	1191.8	1008.5	886.2	744.0	592.6	493.9	421.6
42.5°	2013.9	1883.7	1770.2	1646.5	1458.1	1251.4	1083.6	942.9	783.8	623.8	527.5
40°	2311.0	2104.7	1992.2	1881.5	1703.9	1472.0	1341.3	1134.6	968.4	791.2	659.6
37.5°	2754.2	2403.4	2363.6	2257.0	2056.1	1814.9	1667.8	1464.0	1155.8	988.6	837.5
35°	3503.1	3141.7	2933.1	2828.5	2568.1	2260.7	2018.6	1828.3	1522.5	1193.3	1019.1
32.5°	4328.4	3871.1	3554.5	3405.3	3125.8	2708.7	2410.0	2167.8	1861.0	1488.5	1209.1
30°	4794.4	4377.3	3996.0	3741.0	3469.4	3110.9	2768.0	2426.1	2092.9	1784.7	1414.9
27.5°	5228.1	4708.0	4296.9	4009.2	3754.8	3410.2	3030.8	2664.3	2298.2	1993.6	1663.8
25°	5641.3	5065.0	4616.9	4279.0	3983.3	3710.4	3281.7	2881.2	2499.3	2162.7	1904.7
22.5°	6026.2	5491.3	4974.9	4533.1	4282.7	3989.7	3567.0	3081.9	2708.8	2425.7	2122.0
20°	6660.0	6061.3	5407.6	5025.2	4792.3	4339.8	3861.4	3381.8	3039.1	2715.0	2357.7
17.5°	7705.0	6957.8	6176.2	5766.8	5436.8	4881.9	4272.3	3796.4	3368.6	3007.4	2614.3
15°	8849.0	7887.1	7112.6	6583.9	6061.1	5411.1	4705.5	4191.4	3705.3	3298.9	2850.0
12.5°	9414.4	8498.7	7813.5	7068.3	6393.9	5805.0	5137.4	4570.5	4018.8	3489.2	2995.8
10°	9751.8	8841.8	8066.8	7322.9	6647.0	6080.2	5460.1	4788.6	4175.6	3615.2	3117.5
7.5°	10014.2	9076.6	8251.2	7510.7	6825.7	6227.9	5634.4	4930.4	4301.1	3717.0	3215.0
5°	10195.8	9259.5	8422.7	7673.9	6952.8	6333.8	5763.9	5037.8	4394.6	3794.3	3289.1
2.5°	10383.1	9401.6	8530.0	7779.3	7033.9	6400.9	5842.2	5119.8	4470.6	3851.7	3350.9
0°	10456.0	9483.5	8604.7	7834.6	7079.3	6427.6	5864.9	5173.7	4522.1	3885.2	3391.5
-2.5°	10503.0	9510.3	8634.0	7870.4	7139.4	6469.8	5890.4	5234.2	4538.4	3921.3	3402.9
-5°	10431.7	9478.7	8609.4	7840.8	7140.6	6473.1	5872.6	5243.2	4534.3	3931.0	3394.1
-7.5°	10344.2	9395.2	8516.0	7762.1	7089.1	6428.5	5819.4	5203.9	4518.8	3915.2	3377.4
-10°	10196.3	9261.9	8425.1	7680.1	6998.6	6333.4	5742.1	5129.5	4468.3	3870.4	3338.2
-12.5°	9998.9	9093.6	8267.1	7530.3	6876.6	6235.5	5656.4	5026.5	4382.2	3795.8	3276.1
-15°	9738.1	8873.3	8071.5	7353.4	6721.1	6108.2	5529.4	4912.6	4298.2	3703.8	3190.9
-17.5°	9452.8	8582.7	7793.1	7116.6	6516.8	5935.8	5367.9	4793.0	4201.5	3617.5	3114.2
-20°	9128.9	8274.4	7492.2	6836.4	6270.5	5720.0	5194.9	4659.2	4067.2	3518.2	3033.8



REPORT NUMBER: P627220 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8662.8	7908.0	7190.8	6547.8	6006.8	5502.9	4997.3	4479.4	3893.0	3393.9	2924.2
-25°	8202.0	7500.2	6855.5	6264.6	5742.1	5263.6	4771.7	4258.3	3738.0	3247.8	2790.3
-27.5°	7751.0	7101.1	6458.8	5927.5	5458.3	4990.9	4528.7	4043.0	3564.0	3083.5	2664.4
-30°	7264.3	6656.3	6077.2	5578.6	5134.4	4701.9	4286.2	3832.8	3361.5	2905.5	2528.6
-32.5°	6729.6	6196.1	5685.7	5216.2	4801.0	4417.9	4023.4	3593.6	3127.9	2739.2	2371.3
-35°	6210.7	5718.2	5277.7	4863.6	4486.8	4136.1	3754.3	3323.8	2914.9	2550.1	2193.8
-37.5°	5746.2	5266.6	4858.7	4501.9	4187.2	3854.7	3474.0	3092.0	2707.5	2339.7	2028.8
-40°	5265.7	4818.1	4455.9	4165.9	3864.6	3565.4	3230.2	2875.0	2495.7	2136.4	1866.9
-42.5°	4799.9	4438.8	4081.7	3791.4	3521.4	3276.3	2993.5	2635.0	2286.3	1974.2	1715.2
-45°	4343.9	4015.8	3689.7	3425.0	3200.4	2970.6	2717.9	2392.0	2078.8	1810.8	1566.5
-47.5°	3875.2	3598.9	3327.0	3081.0	2880.2	2657.1	2413.0	2137.0	1880.3	1638.8	1422.5
-50°	3425.3	3201.2	2981.2	2768.0	2564.8	2346.9	2128.9	1906.1	1677.0	1466.6	1270.3
-52.5°	3001.6	2816.1	2630.2	2443.6	2265.9	2075.5	1874.3	1676.2	1474.7	1298.9	1123.5
-55°	2603.2	2444.1	2296.7	2147.0	1997.3	1825.5	1644.1	1465.5	1304.8	1143.2	1000.3
-57.5°	2250.4	2110.8	1993.5	1871.3	1744.7	1592.6	1437.4	1286.5	1153.1	1019.5	887.1
-60°	1938.8	1817.0	1716.4	1609.9	1497.6	1370.4	1247.2	1127.7	1012.4	903.3	789.4
-62.5°	1644.4	1546.1	1455.5	1365.3	1274.0	1177.7	1072.3	975.9	886.6	794.7	691.6
-65°	1365.9	1288.9	1212.9	1140.0	1065.0	987.6	903.7	827.4	754.4	679.9	590.8
-67.5°	1111.9	1051.7	990.0	929.1	870.6	809.2	745.4	681.8	622.3	561.5	489.2
-70°	895.1	849.7	801.8	751.0	702.6	654.5	605.1	553.7	499.3	449.6	400.1
-72.5°	722.5	689.9	654.1	613.0	569.3	527.8	487.8	447.6	406.3	363.8	320.6
-75°	583.8	559.9	532.7	498.3	463.0	426.9	393.2	358.7	320.9	279.7	239.6
-77.5°	462.3	447.7	430.9	403.5	375.7	347.8	317.7	280.0	241.6	203.6	170.4
-80°	346.5	339.6	329.7	305.8	282.0	258.2	233.1	200.2	167.5	136.9	112.2
-82.5°	228.7	224.0	217.6	201.7	186.0	170.5	154.7	131.8	110.0	89.3	71.1
-85°	125.0	120.9	116.5	108.9	101.4	93.9	86.3	73.7	61.9	50.9	41.0
-87.5°	45.7	44.1	42.5	40.9	39.3	37.6	35.9	32.2	28.6	25.1	21.8
-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: P627220 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-735-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	13.6	12.4	11.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.6
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.8	1.5
82.5°	0.0	0.0	0.0	0.1	0.8	1.3	1.4	1.3	0.7	0.1	0.4
80°	0.0	0.0	0.0	0.1	1.2	2.6	3.2	3.3	2.6	1.8	1.0
77.5°	0.0	0.0	0.0	0.0	0.5	1.4	2.8	4.4	4.4	3.4	2.4
75°	0.0	0.0	0.0	0.2	0.3	0.1	1.0	2.6	4.0	4.8	3.8
72.5°	0.0	0.0	0.0	0.6	1.3	1.4	0.8	0.9	2.8	4.2	4.8
70°	0.7	0.3	0.0	0.8	2.0	3.0	2.8	2.2	1.9	3.6	4.6
67.5°	2.3	2.5	1.8	1.4	2.2	3.4	4.6	4.4	3.8	3.2	4.5
65°	5.7	5.3	4.8	4.3	3.7	3.6	4.8	6.1	5.7	4.9	4.5
62.5°	8.6	8.6	7.9	7.2	6.4	5.6	5.1	6.8	7.5	6.6	5.6
60°	11.1	11.6	11.1	10.1	9.1	8.1	7.3	7.7	8.6	8.3	7.1
57.5°	15.3	14.9	14.7	13.4	11.8	10.6	9.9	9.6	9.9	9.8	8.5
55°	27.1	18.8	19.0	17.5	15.1	13.0	12.5	12.0	11.4	11.3	10.0
52.5°	68.6	38.0	24.4	22.6	19.6	16.1	15.0	14.3	13.6	12.9	11.4
50°	126.7	82.0	46.4	29.1	24.8	21.1	17.6	16.6	15.7	14.6	12.8
47.5°	202.7	141.0	91.6	45.9	32.1	26.5	22.0	19.0	17.7	16.5	14.2
45°	312.2	207.7	144.0	90.9	42.7	36.5	27.2	21.3	19.8	18.2	15.6
42.5°	434.4	304.7	202.0	137.4	81.6	50.5	32.5	25.8	21.9	20.0	17.0
40°	554.2	421.1	271.3	189.4	123.0	67.7	46.8	30.8	23.9	22.0	18.7
37.5°	686.8	544.2	380.1	245.0	165.3	103.4	64.1	35.9	27.2	24.0	20.5
35°	850.7	680.8	488.9	326.4	219.0	136.5	83.4	45.7	33.4	26.2	22.2
32.5°	1014.4	817.2	606.6	421.1	275.0	166.9	108.5	65.1	40.7	28.5	24.1
30°	1179.2	942.1	717.3	508.7	339.5	215.9	135.5	84.1	49.0	30.8	26.0
27.5°	1327.6	1060.0	821.1	600.3	415.2	267.6	163.7	102.4	58.3	34.9	27.9
25°	1495.2	1187.4	923.1	687.8	484.4	321.5	192.7	120.4	71.8	42.1	29.8
22.5°	1710.8	1318.3	1017.6	767.2	552.9	373.0	230.0	144.2	86.6	49.6	31.8
20°	1925.3	1446.1	1110.3	866.6	627.4	431.0	273.1	167.8	100.7	57.4	33.7
17.5°	2135.7	1610.0	1245.1	968.1	707.1	485.2	313.4	191.0	114.0	65.4	35.6
15°	2324.3	1797.7	1377.6	1064.1	785.1	535.4	350.7	213.6	126.4	73.4	38.1
12.5°	2482.7	1959.6	1502.3	1154.0	860.3	581.2	384.7	235.2	138.0	82.3	41.6
10°	2613.6	2096.5	1618.0	1237.1	931.4	622.4	415.4	256.8	151.4	91.7	45.2
7.5°	2718.2	2209.6	1723.3	1312.5	995.8	660.9	448.3	279.6	164.4	100.6	48.8
5°	2796.9	2297.8	1804.6	1366.5	1047.1	696.4	478.8	300.6	176.6	109.0	52.4
2.5°	2848.0	2362.7	1864.9	1408.9	1088.8	726.2	505.5	319.4	187.6	116.6	55.9
0°	2878.1	2409.1	1910.5	1441.5	1120.6	750.4	528.2	335.7	197.5	123.4	59.2
-2.5°	2905.0	2439.5	1950.3	1498.3	1142.5	790.0	542.7	350.4	213.1	128.3	65.2
-5°	2913.9	2452.9	1976.4	1542.1	1155.7	822.1	552.9	362.4	226.8	132.2	70.7
-7.5°	2898.9	2444.9	1985.5	1567.0	1161.9	844.8	558.9	371.8	237.9	135.3	75.6
-10°	2865.5	2418.4	1973.5	1559.5	1170.3	851.9	562.3	378.8	246.0	137.6	79.6
-12.5°	2816.0	2378.5	1947.5	1542.9	1168.8	847.3	571.6	384.1	250.2	139.2	82.5
-15°	2751.2	2326.2	1907.9	1518.5	1154.8	837.1	573.9	386.1	249.7	142.0	84.3
-17.5°	2674.8	2262.8	1854.7	1487.3	1127.4	821.8	568.7	383.7	247.2	146.3	86.2
-20°	2598.4	2192.4	1791.7	1450.4	1086.1	801.9	555.5	376.7	242.7	149.1	87.9

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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°	2508.8	2111.5	1737.2	1399.1	1041.4	777.8	533.9	364.7	236.2	150.3	88.7
-25°	2405.8	2017.0	1671.7	1328.4	1006.2	750.6	511.6	347.6	227.8	149.9	88.5
-27.5°	2289.4	1916.1	1594.5	1251.1	969.6	712.7	490.4	335.1	220.7	147.8	87.1
-30°	2159.5	1821.1	1502.3	1176.7	924.8	671.7	462.7	321.1	217.5	145.0	84.7
-32.5°	2019.5	1714.1	1403.1	1120.0	874.0	629.2	438.2	305.3	212.1	141.5	84.8
-35°	1888.2	1597.7	1302.0	1054.6	820.1	603.9	421.8	287.7	204.4	136.6	85.3
-37.5°	1747.6	1475.7	1221.9	986.4	763.3	574.9	408.6	279.9	194.5	130.3	85.0
-40°	1612.3	1359.9	1129.1	921.3	721.3	542.3	387.7	271.1	185.0	122.6	83.8
-42.5°	1475.5	1251.1	1040.4	850.6	681.6	510.8	361.0	257.6	177.3	118.2	81.9
-45°	1349.4	1138.7	946.0	788.9	637.6	470.4	340.5	240.7	167.9	115.0	80.1
-47.5°	1217.0	1024.3	859.8	721.3	579.9	426.5	314.3	227.4	156.5	110.8	79.0
-50°	1080.2	915.9	779.1	647.1	509.4	389.9	286.4	211.6	152.5	107.5	77.1
-52.5°	960.6	820.7	696.6	570.8	456.2	347.0	265.2	194.6	147.1	104.8	74.4
-55°	857.5	730.2	615.4	508.2	405.4	315.5	241.3	186.4	140.4	101.4	71.0
-57.5°	766.5	646.3	548.7	452.4	363.1	285.2	224.4	176.8	133.4	96.6	68.0
-60°	678.0	579.3	488.0	402.2	323.6	259.0	211.2	165.7	125.1	90.6	64.7
-62.5°	596.1	509.2	429.9	352.4	288.2	237.7	196.1	152.8	115.2	83.1	60.2
-65°	510.3	436.3	369.2	308.3	256.1	212.7	176.6	138.2	102.3	74.0	54.6
-67.5°	421.1	366.7	314.4	263.6	221.0	184.6	154.2	118.7	87.1	63.5	47.9
-70°	350.7	302.8	258.4	218.6	183.9	154.2	126.0	96.0	70.2	54.4	40.8
-72.5°	279.1	240.1	203.8	172.1	147.3	122.1	96.5	73.4	58.2	44.8	33.4
-75°	206.6	180.2	156.5	134.5	112.2	90.2	73.5	58.4	45.9	34.9	28.1
-77.5°	149.9	130.9	113.4	99.5	84.1	69.5	55.5	42.8	34.7	29.0	23.6
-80°	101.9	91.8	82.2	72.4	60.1	48.4	40.0	33.0	28.0	23.3	19.0
-82.5°	64.2	58.8	54.0	49.1	41.9	35.4	29.7	24.8	21.1	17.6	15.5
-85°	38.1	35.2	32.4	29.7	25.7	22.1	20.4	18.9	17.3	15.7	14.0
-87.5°	21.5	21.2	20.8	20.5	19.4	18.5	17.6	16.9	15.4	14.0	12.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.7



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.9	8.7	7.4	6.1	4.9	4.9	4.9
87.5°	3.6	4.1	4.5	4.7	4.9	4.9	4.9
85°	2.4	3.3	4.1	4.6	4.9	4.9	4.9
82.5°	1.2	2.6	3.6	4.4	4.9	4.9	4.9
80°	0.3	1.8	3.3	4.3	4.9	4.9	4.9
77.5°	1.5	1.6	2.9	4.2	4.9	4.9	4.9
75°	2.7	2.4	2.7	4.0	4.9	4.9	4.9
72.5°	3.9	3.2	3.1	3.9	4.9	4.9	4.9
70°	4.9	3.9	3.5	3.9	4.9	4.9	4.9
67.5°	5.0	4.6	3.9	4.1	4.9	4.9	4.9
65°	5.2	5.1	4.3	4.3	4.9	4.9	4.9
62.5°	5.5	5.5	4.6	4.4	4.9	4.9	4.9
60°	5.8	5.9	4.9	4.5	4.9	4.9	4.9
57.5°	7.0	6.4	5.4	4.6	5.0	4.9	4.9
55°	8.3	6.9	5.9	4.7	5.0	4.9	4.9
52.5°	9.5	7.6	6.4	4.8	5.1	4.9	4.9
50°	10.7	8.6	7.0	4.9	5.2	4.9	4.9
47.5°	11.9	9.6	7.5	5.0	5.4	4.9	4.9
45°	13.1	10.5	8.1	5.5	5.5	4.9	4.9
42.5°	14.2	11.5	8.8	5.9	5.7	4.9	4.9
40°	15.3	12.4	9.5	6.5	5.8	4.9	4.9
37.5°	16.3	13.3	10.2	7.2	6.0	4.9	4.9
35°	17.4	14.1	10.8	7.9	6.3	4.9	4.9
32.5°	18.5	14.9	11.5	8.5	6.5	4.9	4.9
30°	20.0	15.7	12.1	9.1	6.7	4.9	4.9
27.5°	21.4	16.5	12.9	9.7	7.0	4.9	4.9
25°	22.9	17.2	13.7	10.3	7.2	4.9	4.9
22.5°	24.3	18.0	14.4	10.8	7.5	4.9	4.9
20°	25.8	18.9	15.1	11.4	7.8	4.9	4.9
17.5°	27.2	19.7	15.8	11.9	8.1	4.9	4.9
15°	28.6	20.6	16.5	12.4	8.3	4.9	4.9
12.5°	29.8	21.4	17.1	12.8	8.6	4.9	4.9
10°	31.0	22.1	17.7	13.3	8.9	4.9	4.9
7.5°	32.1	22.8	18.2	13.7	9.2	4.9	4.9
5°	33.0	23.5	18.8	14.1	9.4	4.9	4.9
2.5°	33.9	24.1	19.2	14.5	9.7	4.9	4.9
0°	34.6	24.7	19.7	14.8	9.9	4.9	4.9
-2.5°	36.5	25.2	20.1	14.8	9.9	4.9	4.9
-5°	38.3	25.7	20.5	14.7	9.9	4.9	4.9
-7.5°	39.8	26.1	20.8	14.7	9.8	4.9	4.9
-10°	41.1	26.5	21.0	14.6	9.7	4.9	4.9
-12.5°	42.0	26.8	21.2	14.4	9.7	4.9	4.9
-15°	42.6	27.1	21.3	14.3	9.6	4.9	4.9
-17.5°	42.8	27.3	21.3	14.1	9.4	4.9	4.9
-20°	43.9	27.4	21.1	13.9	9.3	4.9	4.9

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	46.7	27.6	20.9	13.7	9.1	4.9	4.9
-25°	49.1	29.4	20.5	13.4	9.0	4.9	4.9
-27.5°	50.8	31.7	20.0	13.1	8.8	4.9	4.9
-30°	52.1	33.7	19.5	12.8	8.6	4.9	4.9
-32.5°	52.7	35.3	20.2	12.5	8.3	4.9	4.9
-35°	54.2	36.6	20.8	12.1	8.1	4.9	4.9
-37.5°	55.6	37.4	21.1	11.7	7.8	4.9	4.9
-40°	56.5	37.7	21.2	11.3	7.6	4.9	4.9
-42.5°	56.8	37.7	21.4	11.1	7.3	4.9	4.9
-45°	56.5	37.4	21.5	11.2	7.0	4.9	4.9
-47.5°	55.7	36.9	21.4	11.1	6.7	4.9	4.9
-50°	54.5	36.0	21.0	11.0	6.3	4.9	4.9
-52.5°	53.0	34.9	20.3	10.7	6.0	4.9	4.9
-55°	51.1	33.4	19.5	10.4	5.6	4.9	4.9
-57.5°	48.8	31.6	18.4	10.1	5.3	4.9	4.9
-60°	46.1	29.5	17.1	9.6	4.9	4.9	4.9
-62.5°	42.4	27.0	16.1	9.1	4.9	4.9	4.9
-65°	38.2	24.2	15.1	8.5	4.9	4.9	4.9
-67.5°	33.6	21.7	13.9	7.8	4.9	4.9	4.9
-70°	28.6	19.7	12.6	7.1	4.9	4.9	4.9
-72.5°	25.3	17.6	11.3	6.9	4.9	4.9	4.9
-75°	22.0	15.3	9.8	6.9	4.9	4.9	4.9
-77.5°	18.6	12.9	9.3	6.8	4.9	4.9	4.9
-80°	15.0	11.6	9.0	6.7	4.9	4.9	4.9
-82.5°	13.6	10.9	8.6	6.6	4.9	4.9	4.9
-85°	12.4	10.2	8.2	6.5	4.9	4.9	4.9
-87.5°	11.2	9.4	7.8	6.3	4.9	4.9	4.9
-90°	4.9	4.9	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)