

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



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P627442 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4D-727-U-WR-VSR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P627442 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4D-727-U-WR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6 WITH VISOR  
Light Source: (64) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21090.7 lumens  
Efficiency: N/A  
Efficacy: 95.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 5H x 5V  
Max Intensity: 23906.6 candela  
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 50.9°H x 47.1°V  
Beam Lumens: 10154.2 lumens  
Beam Efficiency: 48.1%

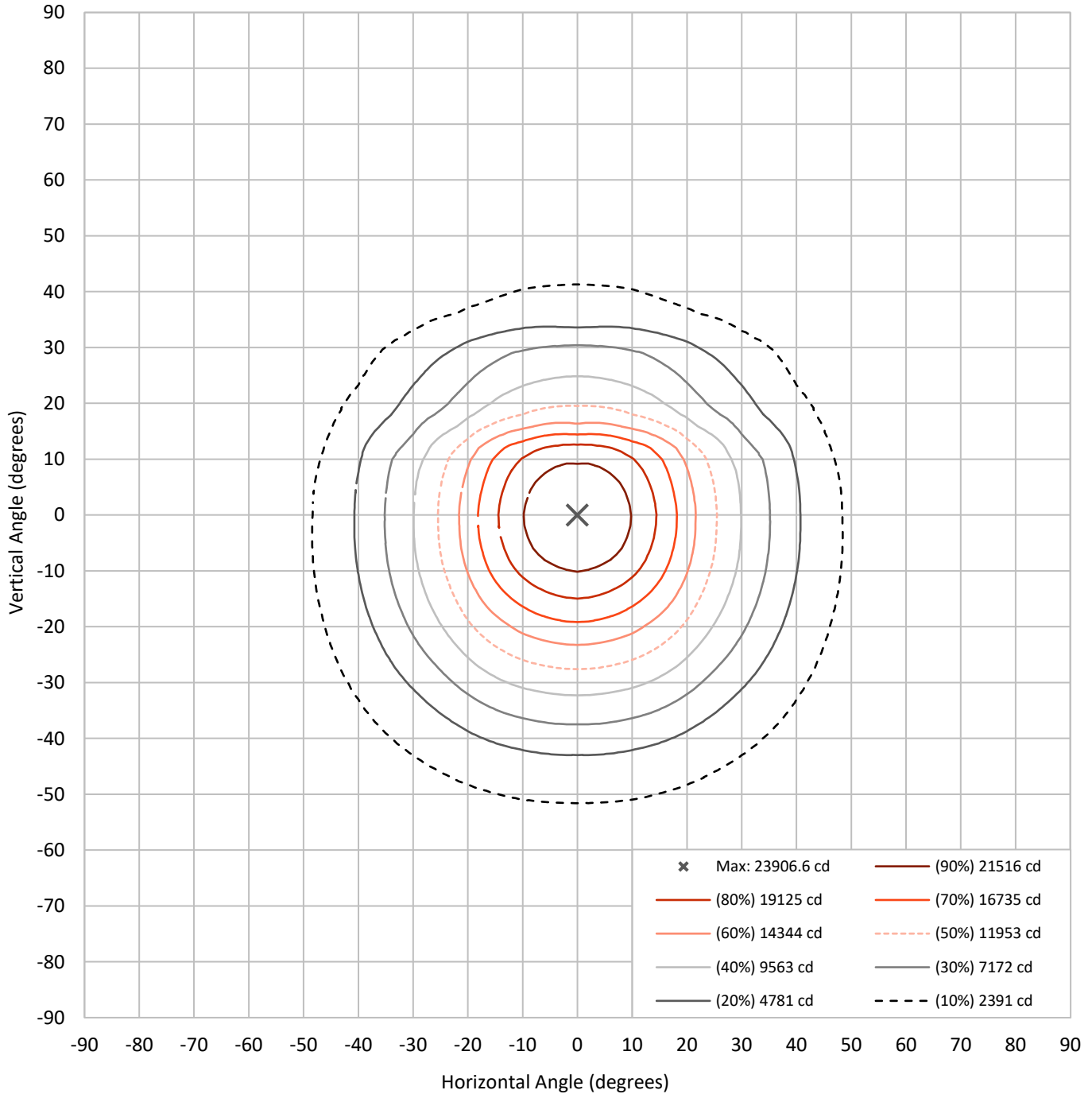
Field Angle (10%): 96.7°H x 92.9°V  
Field Lumens: 18883.4 lumens  
Field Efficiency: 89.5%

Input Watts (W): 221.4  
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





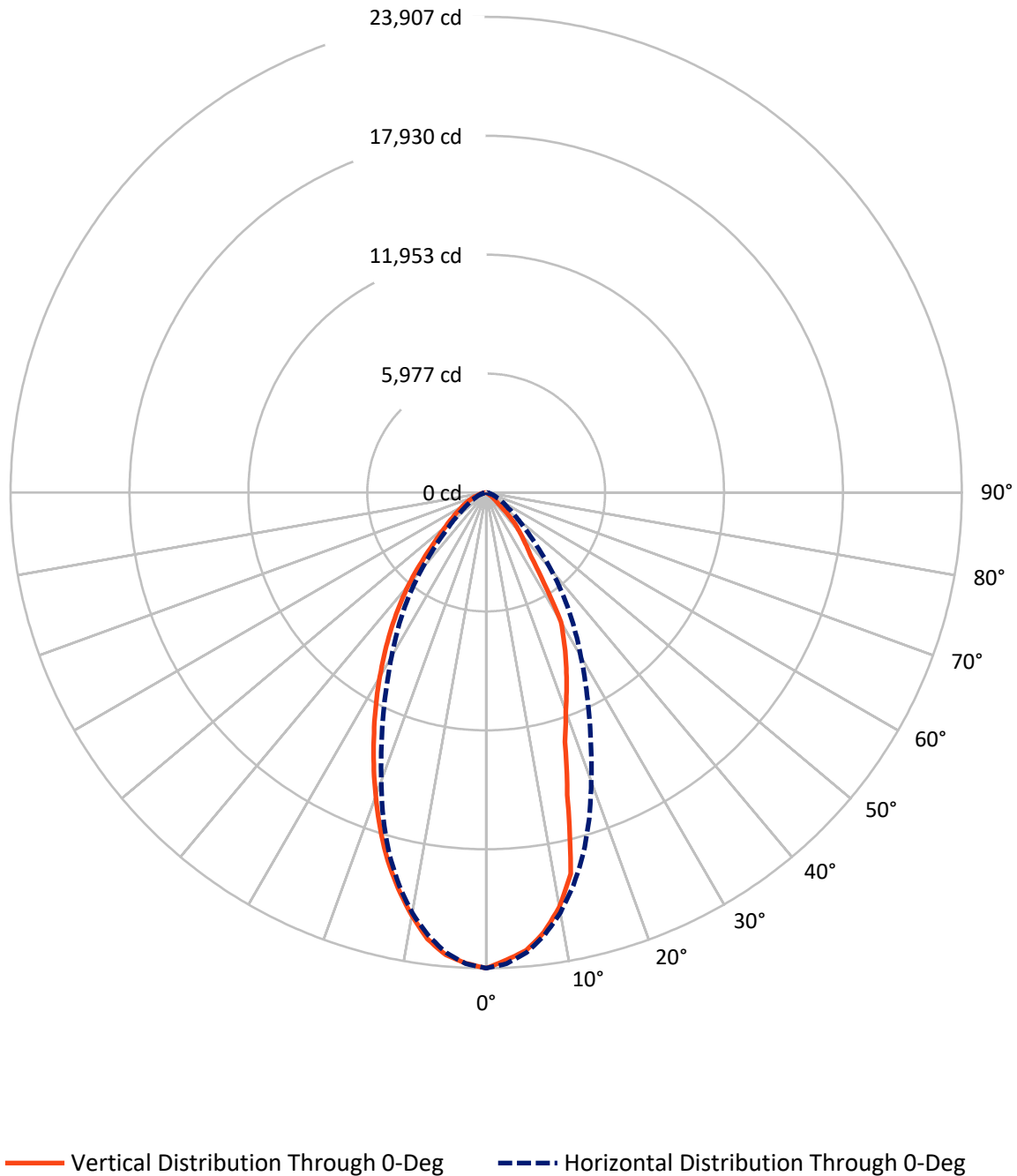
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### Lumen Table

90																			
80	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0					
70																			
60	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1				
50		0.5	1.1	2.0	3.3	4.9	6.6	7.5	7.5	6.6	4.9	3.3	2.0	1.1		0.5			
40	0.9	1.6	4.1	8.6	15.7	25.8	37.2	45.6	45.6	37.2	25.8	15.7	8.6	4.1	1.6	0.9			
30		3.2	8.2	19.1	39.4	72.3	110.6	133.0	133.0	110.6	72.3	39.4	19.1	8.2	3.2				
20	2.3	5.0	13.4	34.6	81.9	153.8	234.1	282.1	282.1	234.1	153.8	81.9	34.6	13.4	5.0	2.3			
10		6.8	19.0	54.3	134.8	249.2	389.5	481.5	481.5	389.5	249.2	134.8	54.3	19.0	6.8				
0	3.3	8.0	23.9	70.2	177.0	329.9	529.6	671.5	671.5	529.6	329.9	177.0	70.2	23.9	8.0	3.3			
-10		8.3	24.9	72.5	179.5	334.6	535.0	675.7	675.7	535.0	334.6	179.5	72.5	24.9	8.3				
-20	3.5	8.2	23.6	64.6	159.1	293.8	452.9	558.9	558.9	452.9	293.8	159.1	64.6	23.6	8.2	3.5			
-30		7.5	20.4	50.5	118.7	221.5	330.1	395.9	395.9	330.1	221.5	118.7	50.5	20.4	7.5				
-40	3.0	6.6	16.5	36.5	74.7	137.4	207.3	246.8	246.8	207.3	137.4	74.7	36.5	16.5	6.6	3.0			
-50		5.5	12.8	25.2	44.9	71.9	103.2	122.8	122.8	103.2	71.9	44.9	25.2	12.8	5.5				
-60	1.9	4.3	9.3	16.8	27.4	39.4	51.0	57.7	57.7	51.0	39.4	27.4	16.8	9.3	4.3	1.9			
-70		3.0	6.2	10.4	15.9	21.7	26.5	28.9	28.9	26.5	21.7	15.9	10.4	6.2	3.0				
-80	0.5	6.0	15.5	27.7	25.3	27.7	15.5	6.0	0.5										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

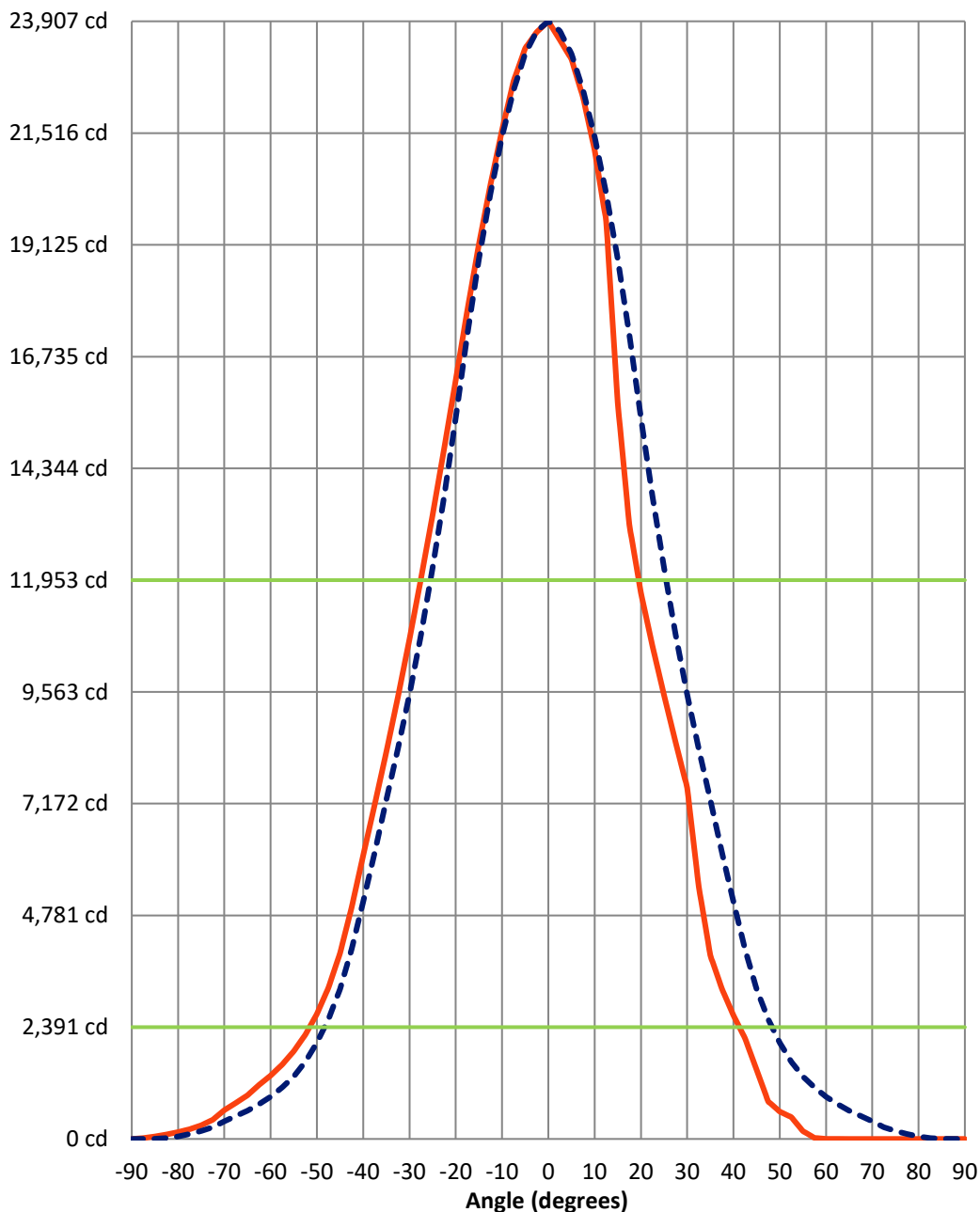
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 50.9°  
 V Angle: 47.1°  
 Lumens: 10154.2  
 Efficiency: 48.1%

**Field:**  
 H Angle: 96.7°  
 V Angle: 92.9°  
 Lumens: 18883.4  
 Efficiency: 89.5%

**Spill:**  
 Lumens: 2207.3  
 Efficiency: 10.5%

— 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	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.7	0.7
85°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.4
82.5°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	1.7	1.7
80°	0.0	0.3	0.6	0.9	1.2	1.5	1.7	1.7	1.7	1.7	1.7
77.5°	0.0	0.4	0.7	1.1	1.5	1.7	1.7	1.7	1.7	1.7	1.7
75°	0.0	0.4	0.9	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	0.0	0.5	1.0	1.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7
70°	0.0	0.6	1.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8
67.5°	0.0	0.7	1.3	1.7	1.7	1.7	1.9	1.7	1.7	2.2	2.1
65°	0.0	0.7	1.4	1.7	1.7	1.9	2.1	1.7	2.4	2.8	3.3
62.5°	0.0	0.8	1.6	1.7	1.7	2.3	2.3	2.3	3.2	4.6	7.1
60°	0.0	0.8	1.7	1.7	1.7	2.7	2.7	3.2	4.1	11.3	12.2
57.5°	0.0	0.9	1.7	1.7	2.2	3.2	4.6	4.4	11.1	19.0	20.9
55°	0.0	1.0	1.7	1.7	2.7	3.7	7.1	6.5	20.4	28.7	32.4
52.5°	0.0	1.0	1.8	1.7	3.2	4.7	9.9	16.0	30.5	42.6	45.9
50°	0.0	1.1	1.8	1.7	3.8	7.7	13.0	26.6	42.6	58.0	70.2
47.5°	0.0	1.1	1.9	1.8	4.4	10.8	17.4	37.2	58.5	75.0	95.2
45°	0.0	1.2	1.9	2.3	5.0	14.2	26.6	47.9	74.5	97.1	119.9
42.5°	0.0	1.3	2.0	2.8	5.6	17.8	35.8	60.5	90.4	119.1	147.4
40°	0.0	1.3	2.0	3.4	7.4	21.5	45.0	74.3	106.9	140.4	176.0
37.5°	0.0	1.3	2.1	4.1	10.4	25.4	54.1	87.9	124.9	162.4	205.3
35°	0.0	1.4	2.2	4.9	13.3	31.6	63.1	101.3	142.9	188.6	237.1
32.5°	0.0	1.4	2.2	5.8	16.3	38.7	72.6	114.5	160.9	215.5	273.0
30°	0.0	1.5	2.3	6.7	19.3	45.7	83.3	128.0	178.9	243.1	309.1
27.5°	0.0	1.5	2.4	7.6	22.8	52.4	93.7	142.6	198.7	271.0	345.3
25°	0.0	1.5	2.5	8.7	26.2	58.9	103.7	157.0	221.4	300.8	381.6
22.5°	0.0	1.6	2.6	9.7	29.6	65.2	113.2	171.0	244.0	330.9	418.3
20°	0.0	1.6	2.7	10.8	32.8	71.4	122.4	184.5	266.2	360.3	453.4
17.5°	0.0	1.6	2.8	11.9	35.9	77.1	130.8	197.4	287.8	388.9	486.5
15°	0.0	1.6	2.9	12.9	38.9	82.5	138.6	209.0	308.6	416.5	517.8
12.5°	0.0	1.7	3.0	14.0	41.7	87.6	145.7	218.6	325.9	442.9	547.1
10°	0.0	1.7	3.1	15.1	44.4	92.1	152.1	227.2	339.8	458.4	570.1
7.5°	0.0	1.7	3.2	16.1	46.9	96.3	157.9	234.8	351.9	470.3	582.2
5°	0.0	1.7	3.2	17.1	49.1	100.0	162.9	241.3	362.3	479.7	591.9
2.5°	0.0	1.7	3.3	18.0	51.1	103.2	167.2	246.7	370.8	486.9	599.4
0°	0.0	1.7	3.4	18.8	52.9	105.9	170.8	251.0	377.4	491.8	604.5
-2.5°	0.0	1.8	3.9	20.0	55.3	109.2	175.4	258.2	384.8	498.9	612.5
-5°	0.0	1.9	4.4	21.1	57.5	112.0	179.3	264.3	390.2	504.0	618.2
-7.5°	0.0	2.0	4.9	22.1	59.3	114.3	182.3	269.0	393.6	507.2	621.6
-10°	0.0	2.1	5.4	22.9	60.8	116.0	184.5	272.4	395.1	508.5	622.6
-12.5°	0.0	2.2	5.9	23.7	61.9	117.1	185.8	274.3	394.6	507.7	619.7
-15°	0.0	2.3	6.3	24.3	62.7	117.6	186.1	274.7	391.7	503.3	613.7
-17.5°	0.0	2.4	6.7	24.7	63.0	117.6	185.6	274.2	386.6	497.2	605.4
-20°	0.0	2.4	7.0	25.1	63.0	116.9	185.1	272.9	380.3	489.7	594.7

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Scaled Data Report



REPORT NUMBER: P627442 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4D-727-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.5	7.3	25.2	62.4	115.6	185.2	270.4	372.8	480.8	581.8
-25°	0.0	2.5	7.6	25.2	61.5	115.2	184.3	266.8	364.2	470.6	566.7
-27.5°	0.0	2.6	7.8	25.0	60.1	114.7	182.6	262.1	354.8	458.8	552.7
-30°	0.0	2.6	8.0	24.7	58.4	113.5	179.9	256.3	346.4	445.4	537.6
-32.5°	0.0	2.6	8.2	24.1	57.6	111.6	176.3	251.5	338.1	431.5	521.5
-35°	0.0	2.6	8.2	23.4	56.4	108.9	172.8	246.2	328.8	417.1	504.4
-37.5°	0.0	2.6	8.3	22.6	54.7	106.0	168.9	239.9	318.3	402.4	484.3
-40°	0.0	2.6	8.2	21.5	52.5	103.4	164.1	232.5	306.8	388.6	462.8
-42.5°	0.0	2.5	8.2	20.5	51.0	100.1	158.3	224.0	296.1	370.7	439.9
-45°	0.0	2.5	8.0	19.7	50.0	96.2	151.5	215.2	285.2	351.5	416.1
-47.5°	0.0	2.4	7.8	18.7	48.4	91.7	143.9	206.1	273.0	331.7	394.0
-50°	0.0	2.3	7.6	18.3	46.4	86.5	137.2	196.0	256.9	313.6	371.3
-52.5°	0.0	2.3	7.3	18.1	43.9	80.7	129.9	184.7	241.0	294.8	348.3
-55°	0.0	2.2	7.0	17.6	40.8	75.9	121.9	172.7	224.5	275.2	326.6
-57.5°	0.0	2.1	6.6	16.9	37.3	70.8	113.1	162.0	207.2	255.4	304.1
-60°	0.0	2.0	6.1	15.9	33.5	64.9	103.7	149.1	189.4	234.8	280.9
-62.5°	0.0	1.8	5.7	14.8	31.1	58.4	94.7	134.7	171.9	213.5	256.9
-65°	0.0	1.7	5.3	13.5	28.5	51.2	84.7	119.7	153.2	191.0	232.1
-67.5°	0.0	1.6	4.9	12.0	25.5	44.9	73.9	104.6	133.4	167.1	204.6
-70°	0.0	1.4	4.4	10.3	22.1	39.3	62.3	89.0	114.7	142.2	174.9
-72.5°	0.0	1.2	3.9	9.1	18.6	33.4	52.9	72.8	95.5	119.6	145.0
-75°	0.0	1.1	3.4	7.9	14.7	27.0	43.5	59.4	75.8	96.5	118.4
-77.5°	0.0	0.9	2.9	6.7	12.2	20.4	33.5	46.7	60.2	74.4	91.0
-80°	0.0	0.7	2.3	5.4	9.9	15.6	23.1	33.7	44.8	56.4	68.6
-82.5°	0.0	0.6	1.8	4.1	7.5	11.8	17.0	22.5	29.1	38.1	47.5
-85°	0.0	0.4	1.2	2.8	5.0	7.9	11.4	15.1	19.2	23.8	28.8
-87.5°	0.0	0.2	0.6	1.4	2.5	4.0	5.7	7.6	9.6	11.9	14.4
-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°	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.3
85°	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.4
67.5°	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.3	0.9
65°	1.7	1.7	2.3	2.5	1.8	1.7	1.7	1.7	1.8	1.5	1.6
62.5°	2.5	3.1	3.8	5.9	4.4	1.7	3.3	3.9	2.6	2.1	2.3
60°	7.5	5.1	13.1	18.2	11.9	6.3	7.8	15.5	12.8	3.5	9.0
57.5°	15.1	18.6	33.1	34.7	26.7	18.1	39.5	43.8	36.3	22.8	32.8
55°	31.4	44.1	55.8	55.2	55.5	69.8	82.0	80.5	71.0	97.9	123.3
52.5°	59.5	72.7	80.4	87.6	107.5	120.8	124.6	132.1	160.0	193.3	199.3
50°	87.3	100.9	111.1	137.0	157.5	168.0	177.7	203.2	245.3	268.1	271.8
47.5°	115.4	130.6	157.5	185.9	205.6	221.5	238.4	296.3	343.2	362.7	369.8
45°	144.8	171.1	204.6	233.8	256.7	278.1	333.0	412.1	445.2	475.0	550.9
42.5°	175.3	214.9	252.6	283.2	309.0	353.8	430.3	506.9	554.2	617.6	709.3
40°	214.1	258.6	302.3	333.4	365.6	433.5	528.2	609.2	659.3	744.4	848.9
37.5°	253.6	305.6	352.8	385.6	430.8	522.7	633.9	731.0	793.1	862.4	1030.3
35°	292.6	353.6	402.0	445.9	501.9	628.5	765.5	873.6	950.4	1069.1	1281.5
32.5°	334.3	402.4	451.9	511.8	603.6	745.2	913.5	1033.5	1160.8	1331.6	1672.0
30°	378.6	448.1	505.0	577.0	700.2	865.4	1060.7	1211.5	1384.3	1661.7	2028.6
27.5°	422.8	493.6	563.7	655.3	790.6	969.0	1173.1	1410.8	1634.1	1944.3	2345.4
25°	465.3	540.0	621.3	731.9	878.2	1065.1	1287.8	1562.0	1853.4	2208.2	2679.2
22.5°	505.8	587.1	682.3	801.2	952.2	1156.3	1421.9	1744.0	2094.1	2461.6	3002.8
20°	545.6	639.8	749.0	882.0	1020.3	1240.4	1553.0	1943.0	2381.9	2885.3	3415.7
17.5°	584.9	691.7	817.8	965.7	1133.3	1358.5	1687.4	2151.8	2685.8	3341.1	3994.1
15°	623.3	742.7	884.4	1048.4	1247.3	1516.4	1890.0	2400.4	3045.6	3830.3	4603.8
12.5°	660.6	792.1	948.3	1129.1	1357.8	1665.0	2080.9	2631.5	3370.9	4308.3	5258.6
10°	696.4	839.6	1009.0	1207.1	1463.6	1803.4	2249.7	2831.5	3616.3	4582.4	5639.2
7.5°	714.6	871.7	1060.7	1281.2	1563.5	1930.3	2396.6	3000.5	3808.0	4802.8	5862.4
5°	727.6	886.3	1080.2	1310.8	1618.4	2016.7	2508.9	3138.6	3949.3	4968.6	6013.6
2.5°	737.6	896.9	1094.4	1327.5	1640.1	2045.5	2546.0	3186.8	4025.1	5055.2	6101.7
0°	744.5	903.3	1103.1	1337.1	1651.3	2059.4	2563.1	3206.9	4057.3	5075.0	6133.7
-2.5°	751.8	912.1	1112.3	1352.0	1667.0	2078.4	2582.0	3221.1	4081.4	5080.6	6151.1
-5°	756.0	916.9	1115.9	1359.1	1672.0	2081.9	2580.6	3207.5	4062.2	5040.7	6113.5
-7.5°	757.2	917.4	1113.9	1357.7	1665.6	2065.8	2553.4	3167.5	3996.0	4960.0	6021.1
-10°	755.4	913.4	1106.6	1345.4	1646.8	2032.3	2504.6	3098.2	3887.1	4826.8	5865.1
-12.5°	749.8	904.9	1093.4	1325.3	1616.6	1984.6	2435.9	2999.3	3736.0	4641.6	5645.2
-15°	741.0	892.1	1074.4	1297.4	1574.9	1923.2	2347.6	2870.9	3541.3	4406.1	5371.4
-17.5°	728.8	875.3	1049.5	1261.9	1521.7	1848.7	2240.8	2720.6	3331.4	4143.4	5067.0
-20°	713.2	854.3	1018.7	1218.8	1460.4	1770.1	2141.7	2587.6	3135.0	3842.5	4707.8

Classified

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

Scaled Data Report



REPORT NUMBER: P627442 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4D-727-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	694.3	829.2	986.1	1177.5	1405.9	1688.6	2030.9	2436.7	2914.7	3494.7	4315.6
-25°	674.9	805.2	954.4	1131.6	1343.7	1596.2	1904.1	2273.8	2706.7	3237.7	3916.4
-27.5°	655.7	777.6	917.8	1078.6	1274.1	1500.9	1784.9	2122.0	2507.8	2959.3	3512.0
-30°	634.1	746.7	877.4	1023.1	1207.3	1417.8	1663.4	1952.2	2295.2	2703.2	3183.6
-32.5°	610.5	713.6	838.3	975.0	1135.7	1327.4	1539.8	1801.0	2099.4	2436.0	2851.3
-35°	587.0	685.4	798.2	923.2	1059.0	1238.5	1433.6	1650.3	1904.1	2202.2	2534.3
-37.5°	564.4	654.6	755.2	871.8	999.1	1148.1	1320.6	1516.2	1734.7	1971.9	2258.8
-40°	539.3	621.3	716.5	822.1	934.7	1063.9	1219.4	1385.4	1573.5	1782.2	2003.8
-42.5°	511.9	590.8	677.6	768.6	871.9	987.4	1116.3	1268.2	1424.5	1599.3	1792.7
-45°	485.1	557.6	637.0	720.1	807.0	909.0	1026.1	1152.4	1291.0	1433.6	1596.1
-47.5°	456.9	523.0	597.0	669.4	746.4	833.4	932.8	1047.4	1163.0	1290.0	1416.0
-50°	428.6	490.7	552.9	620.4	689.4	761.8	845.8	944.7	1049.9	1155.3	1266.2
-52.5°	403.3	457.0	513.2	571.2	634.0	698.4	768.4	850.0	941.9	1034.8	1130.3
-55°	377.4	426.9	473.4	525.3	579.6	637.6	700.0	768.6	838.0	922.6	1004.9
-57.5°	352.2	396.1	436.4	480.7	529.0	578.3	634.5	692.8	755.9	819.8	887.1
-60°	326.9	364.2	400.8	439.1	479.6	523.4	568.7	619.9	673.9	729.4	787.8
-62.5°	300.7	330.9	363.2	398.2	433.9	467.6	505.6	547.5	592.1	639.7	689.1
-65°	271.4	296.5	323.4	353.9	387.4	414.6	443.6	475.1	512.0	551.3	590.1
-67.5°	240.1	262.3	284.3	306.9	334.1	358.4	382.3	407.4	434.9	467.0	498.1
-70°	205.2	227.4	246.8	265.5	282.8	300.1	320.4	340.2	362.4	391.2	419.5
-72.5°	169.8	190.6	208.9	224.8	237.0	247.4	259.8	274.1	295.4	322.2	347.2
-75°	137.3	154.1	171.3	186.6	194.4	197.5	200.1	207.6	229.2	256.6	280.8
-77.5°	107.0	121.6	135.5	148.9	154.4	156.6	157.6	157.6	173.5	196.8	221.4
-80°	78.8	88.9	100.8	112.2	115.6	116.6	116.7	116.0	129.0	145.8	163.8
-82.5°	54.8	62.1	69.6	77.4	78.4	77.9	76.7	75.6	86.1	98.2	110.7
-85°	31.9	35.0	39.6	44.4	44.9	44.6	43.8	42.4	48.3	54.9	61.8
-87.5°	16.0	17.5	19.1	20.6	20.0	19.2	18.2	16.9	18.5	20.2	22.0
-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: P627442 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-727-U-WR-VSR-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°	1.4	1.1	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.7	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.7	1.3	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.7	1.3	0.9	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1.7	1.4	1.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.7	1.4	1.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.7	1.5	1.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	1.0	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.8	0.9	0.9	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.7	1.7	1.3	0.8	0.4	0.3	0.4	0.4	0.2	0.0	0.0
62.5°	2.2	2.1	1.5	1.4	1.6	1.7	1.4	1.2	1.1	1.2	1.4
60°	9.6	5.5	5.6	7.2	6.1	2.8	5.6	7.1	6.6	5.0	4.4
57.5°	49.0	41.1	28.7	48.0	49.5	34.5	37.4	48.8	47.3	36.5	36.4
55°	123.5	125.3	134.5	146.6	155.6	159.8	163.5	181.8	201.4	220.6	230.3
52.5°	204.0	227.9	257.5	277.2	290.9	319.0	358.3	376.4	394.0	414.0	428.4
50°	300.5	341.9	371.7	376.0	422.8	453.2	460.3	494.2	531.2	554.2	570.7
47.5°	446.9	499.4	525.3	541.9	598.9	661.3	661.4	680.9	773.4	821.7	845.0
45°	643.7	687.4	733.4	852.7	962.4	997.2	1071.7	1172.6	1238.1	1328.4	1427.6
42.5°	811.3	893.4	1008.5	1139.9	1249.8	1341.3	1452.0	1573.3	1718.9	1856.0	1974.2
40°	977.2	1078.8	1221.3	1364.2	1502.6	1629.5	1807.8	1963.8	2135.7	2324.2	2481.3
37.5°	1193.6	1323.7	1471.0	1651.1	1866.6	2007.4	2252.8	2476.9	2670.5	2898.1	3038.3
35°	1526.0	1695.6	1825.9	2190.2	2452.3	2617.0	2907.5	3275.8	3417.3	3703.9	3839.9
32.5°	1944.0	2169.3	2512.3	2994.7	3344.7	3647.9	4082.1	4455.9	4774.4	5062.3	5361.8
30°	2413.5	2761.3	3266.9	3907.8	4263.4	4688.0	5275.2	5718.3	6218.0	6766.4	6958.5
27.5°	2839.6	3360.5	3947.6	4466.7	4977.4	5506.3	6083.2	6652.6	7193.3	7649.7	7956.0
25°	3234.5	3865.5	4436.0	4990.7	5544.1	6139.7	6792.3	7437.9	8033.0	8502.6	8859.6
22.5°	3641.9	4308.5	4918.8	5481.7	6125.4	6800.3	7494.3	8234.9	8912.1	9399.3	9788.2
20°	4025.0	4766.3	5462.5	6103.4	6711.9	7491.0	8290.1	9075.7	9813.2	10393.5	10841.9
17.5°	4632.9	5276.4	6127.4	6959.9	7645.4	8361.1	9428.9	10239.8	11058.2	11753.1	12228.6
15°	5379.5	6087.2	6965.8	8109.2	9048.5	9868.5	10971.6	12290.7	13256.0	14143.2	14751.8
12.5°	6126.7	6927.1	7877.5	9164.3	10501.5	11467.5	12805.8	14477.2	15601.6	16975.2	17652.3
10°	6699.5	7704.5	8683.2	9857.5	11141.8	12517.3	13960.0	15523.7	17026.0	18205.5	19259.9
7.5°	6930.1	8000.6	9133.6	10331.7	11615.9	13035.5	14573.1	16200.2	17746.3	19063.8	20222.5
5°	7102.4	8199.3	9339.7	10564.8	11937.6	13420.1	14980.6	16689.0	18267.9	19679.9	20865.4
2.5°	7211.9	8319.2	9454.7	10700.2	12144.0	13670.5	15281.2	17034.7	18637.5	20091.1	21272.7
0°	7253.9	8345.1	9508.0	10790.4	12219.7	13749.7	15430.0	17204.2	18819.6	20225.0	21440.8
-2.5°	7259.6	8320.9	9511.4	10787.6	12155.2	13699.5	15400.1	17159.5	18742.1	20141.8	21368.5
-5°	7202.7	8263.5	9455.1	10711.9	12081.4	13614.1	15241.7	16941.9	18451.3	19813.5	20994.5
-7.5°	7087.2	8145.1	9310.3	10538.3	11870.9	13357.6	14920.8	16501.5	17982.2	19288.7	20415.8
-10°	6915.7	7951.4	9076.3	10272.8	11533.7	12947.8	14438.4	15948.7	17337.2	18545.4	19587.7
-12.5°	6683.6	7695.4	8769.6	9911.9	11085.5	12433.8	13841.2	15259.4	16525.1	17628.1	18563.3
-15°	6382.2	7370.3	8410.5	9490.8	10628.9	11848.1	13111.3	14412.1	15579.4	16557.6	17411.8
-17.5°	6027.1	6985.4	7973.3	8974.7	10054.6	11198.5	12371.0	13538.8	14534.3	15403.3	16184.5
-20°	5631.1	6554.6	7492.9	8426.4	9406.2	10464.2	11547.0	12572.8	13442.8	14232.3	14947.2



REPORT NUMBER: P627442 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-727-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5187.3	6071.1	6970.5	7844.1	8727.7	9685.6	10652.7	11580.3	12394.1	13069.5	13690.7
-25°	4712.1	5528.8	6378.1	7197.2	8010.4	8868.8	9747.2	10600.7	11316.9	11903.4	12416.7
-27.5°	4233.3	4979.5	5727.8	6499.0	7250.7	8042.8	8838.1	9575.2	10218.2	10758.2	11189.5
-30°	3730.0	4397.2	5080.5	5778.2	6496.0	7220.9	7939.4	8584.9	9146.2	9621.1	9993.9
-32.5°	3311.8	3818.6	4421.9	5055.3	5728.1	6388.6	7013.7	7602.0	8130.9	8545.6	8861.7
-35°	2910.9	3340.1	3791.9	4352.5	4930.6	5538.4	6113.4	6638.4	7109.9	7472.2	7769.6
-37.5°	2566.3	2905.7	3287.8	3688.0	4172.7	4675.1	5194.1	5687.9	6108.3	6424.4	6690.0
-40°	2268.0	2536.0	2841.3	3158.5	3515.1	3876.1	4327.9	4744.7	5087.8	5383.3	5624.0
-42.5°	1998.3	2224.5	2449.9	2710.2	2979.2	3269.3	3586.5	3894.7	4158.1	4405.4	4609.8
-45°	1765.5	1946.2	2125.9	2326.9	2524.4	2760.4	2986.9	3189.1	3402.4	3587.6	3733.3
-47.5°	1562.0	1702.8	1856.9	2007.4	2165.9	2343.6	2512.2	2666.0	2822.3	2957.7	3066.4
-50°	1381.0	1497.8	1623.6	1741.8	1870.1	2000.1	2124.7	2247.0	2365.8	2468.8	2548.9
-52.5°	1222.7	1324.7	1422.7	1516.8	1618.8	1715.1	1805.3	1906.3	1999.2	2080.3	2135.2
-55°	1087.9	1171.2	1251.5	1330.1	1407.2	1480.1	1552.1	1630.5	1702.2	1766.7	1807.5
-57.5°	961.2	1032.2	1100.1	1164.3	1225.6	1283.5	1344.1	1404.4	1459.6	1508.3	1539.9
-60°	846.0	904.0	962.8	1015.2	1064.6	1110.9	1161.9	1210.1	1254.7	1292.1	1314.0
-62.5°	740.5	792.4	835.9	877.3	919.3	961.1	997.3	1032.9	1067.3	1096.3	1115.3
-65°	630.2	674.2	711.2	744.4	774.5	806.8	837.8	865.7	890.6	909.5	921.5
-67.5°	531.5	563.9	593.5	620.0	646.8	672.7	696.5	717.7	736.4	749.5	758.2
-70°	445.7	470.5	494.7	518.7	542.7	562.9	580.1	596.0	610.3	616.3	619.0
-72.5°	370.4	392.4	413.6	434.9	454.7	470.5	483.2	494.8	505.3	496.3	480.5
-75°	302.1	321.4	341.3	360.0	377.5	389.6	399.0	407.7	415.6	396.1	369.2
-77.5°	246.2	263.2	277.9	292.5	306.9	314.6	320.6	326.5	332.1	310.3	282.8
-80°	182.6	196.3	208.8	221.1	233.2	237.8	240.4	242.2	243.2	224.5	203.0
-82.5°	123.4	130.5	137.3	144.5	151.9	155.7	158.6	160.8	162.4	149.2	134.3
-85°	69.1	71.3	73.0	74.4	75.6	78.0	80.3	82.4	84.4	78.1	71.2
-87.5°	23.7	23.7	23.6	23.5	23.2	23.3	23.3	23.2	23.1	22.1	21.0
-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: P627442 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-727-U-WR-VSR-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°	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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
62.5°	1.5	1.6	1.7	1.7	1.7	1.6	1.5	1.4	1.2	1.1	1.2
60°	3.3	2.1	1.7	1.7	1.7	2.1	3.3	4.4	5.0	6.6	7.1
57.5°	33.9	29.6	26.6	23.9	26.6	29.6	33.9	36.4	36.5	47.3	48.8
55°	226.1	210.5	191.5	169.1	191.5	210.5	226.1	230.3	220.6	201.4	181.8
52.5°	443.6	458.4	466.9	466.2	466.9	458.4	443.6	428.4	414.0	394.0	376.4
50°	583.9	592.0	592.4	585.7	592.4	592.0	583.9	570.7	554.2	531.2	494.2
47.5°	855.6	844.4	825.1	804.3	825.1	844.4	855.6	845.0	821.7	773.4	680.9
45°	1492.9	1528.9	1526.5	1480.5	1526.5	1528.9	1492.9	1427.6	1328.4	1238.1	1172.6
42.5°	2040.3	2094.1	2132.3	2151.6	2132.3	2094.1	2040.3	1974.2	1856.0	1718.9	1573.3
40°	2569.8	2621.8	2644.7	2643.4	2644.7	2621.8	2569.8	2481.3	2324.2	2135.7	1963.8
37.5°	3129.3	3196.6	3229.3	3213.7	3229.3	3196.6	3129.3	3038.3	2898.1	2670.5	2476.9
35°	3898.8	3961.8	3963.0	3930.9	3963.0	3961.8	3898.8	3839.9	3703.9	3417.3	3275.8
32.5°	5599.5	5620.6	5458.6	5401.2	5458.6	5620.6	5599.5	5361.8	5062.3	4774.4	4455.9
30°	7149.7	7299.2	7438.2	7508.4	7438.2	7299.2	7149.7	6958.5	6766.4	6218.0	5718.3
27.5°	8186.9	8366.6	8478.1	8485.1	8478.1	8366.6	8186.9	7956.0	7649.7	7193.3	6652.6
25°	9130.1	9331.2	9452.7	9494.3	9452.7	9331.2	9130.1	8859.6	8502.6	8033.0	7437.9
22.5°	10118.4	10355.4	10512.4	10544.5	10512.4	10355.4	10118.4	9788.2	9399.3	8912.1	8234.9
20°	11265.0	11540.8	11691.3	11685.2	11691.3	11540.8	11265.0	10841.9	10393.5	9813.2	9075.7
17.5°	12774.5	13070.3	13200.3	13143.5	13200.3	13070.3	12774.5	12228.6	11753.1	11058.2	10239.8
15°	15376.6	15995.3	15992.9	15745.9	15992.9	15995.3	15376.6	14751.8	14143.2	13256.0	12290.7
12.5°	18586.1	19047.3	19520.5	19622.2	19520.5	19047.3	18586.1	17652.3	16975.2	15601.6	14477.2
10°	20147.9	20760.3	21164.6	21153.9	21164.6	20760.3	20147.9	19259.9	18205.5	17026.0	15523.7
7.5°	21125.0	21801.6	22291.4	22280.9	22291.4	21801.6	21125.0	20222.5	19063.8	17746.3	16200.2
5°	21879.0	22629.5	23063.3	23095.5	23063.3	22629.5	21879.0	20865.4	19679.9	18267.9	16689.0
2.5°	22270.8	23054.0	23575.7	23507.0	23575.7	23054.0	22270.8	21272.7	20091.1	18637.5	17034.7
0°	22434.6	23209.9	23696.5	23906.6	23696.5	23209.9	22434.6	21440.8	20225.0	18819.6	17204.2
-2.5°	22363.1	23117.4	23655.3	23676.0	23655.3	23117.4	22363.1	21368.5	20141.8	18742.1	17159.5
-5°	21979.9	22776.0	23136.3	23327.7	23136.3	22776.0	21979.9	20994.5	19813.5	18451.3	16941.9
-7.5°	21362.0	21958.5	22416.2	22627.6	22416.2	21958.5	21362.0	20415.8	19288.7	17982.2	16501.5
-10°	20400.2	21017.8	21404.6	21579.1	21404.6	21017.8	20400.2	19587.7	18545.4	17337.2	15948.7
-12.5°	19334.9	19896.1	20263.9	20411.1	20263.9	19896.1	19334.9	18563.3	17628.1	16525.1	15259.4
-15°	18146.3	18655.8	18994.3	19135.5	18994.3	18655.8	18146.3	17411.8	16557.6	15579.4	14412.1
-17.5°	16837.8	17284.3	17621.6	17723.3	17621.6	17284.3	16837.8	16184.5	15403.3	14534.3	13538.8
-20°	15492.3	15896.0	16173.8	16234.3	16173.8	15896.0	15492.3	14947.2	14232.3	13442.8	12572.8



REPORT NUMBER: P627442 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-727-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	14136.6	14469.2	14694.8	14770.8	14694.8	14469.2	14136.6	13690.7	13069.5	12394.1	11580.3
-25°	12811.8	13098.8	13280.4	13348.4	13280.4	13098.8	12811.8	12416.7	11903.4	11316.9	10600.7
-27.5°	11537.6	11805.1	11971.9	11994.3	11971.9	11805.1	11537.6	11189.5	10758.2	10218.2	9575.2
-30°	10283.8	10504.9	10633.4	10687.9	10633.4	10504.9	10283.8	9993.9	9621.1	9146.2	8584.9
-32.5°	9112.2	9305.2	9420.8	9451.6	9420.8	9305.2	9112.2	8861.7	8545.6	8130.9	7602.0
-35°	8006.1	8184.3	8286.7	8278.5	8286.7	8184.3	8006.1	7769.6	7472.2	7109.9	6638.4
-37.5°	6909.6	7074.1	7167.0	7158.3	7167.0	7074.1	6909.6	6690.0	6424.4	6108.3	5687.9
-40°	5821.9	5963.8	6045.6	6065.4	6045.6	5963.8	5821.9	5624.0	5383.3	5087.8	4744.7
-42.5°	4779.7	4910.7	4976.2	4950.4	4976.2	4910.7	4779.7	4609.8	4405.4	4158.1	3894.7
-45°	3835.2	3903.0	3947.5	3975.3	3947.5	3903.0	3835.2	3733.3	3587.6	3402.4	3189.1
-47.5°	3145.9	3202.0	3232.4	3237.6	3232.4	3202.0	3145.9	3066.4	2957.7	2822.3	2666.0
-50°	2611.2	2659.0	2680.1	2674.1	2680.1	2659.0	2611.2	2548.9	2468.8	2365.8	2247.0
-52.5°	2174.6	2202.3	2221.0	2230.1	2221.0	2202.3	2174.6	2135.2	2080.3	1999.2	1906.3
-55°	1838.3	1859.8	1872.4	1876.7	1872.4	1859.8	1838.3	1807.5	1766.7	1702.2	1630.5
-57.5°	1566.2	1586.7	1594.2	1591.5	1594.2	1586.7	1566.2	1539.9	1508.3	1459.6	1404.4
-60°	1330.8	1342.5	1351.3	1355.8	1351.3	1342.5	1330.8	1314.0	1292.1	1254.7	1210.1
-62.5°	1130.5	1141.5	1150.7	1156.1	1150.7	1141.5	1130.5	1115.3	1096.3	1067.3	1032.9
-65°	929.9	934.8	936.2	934.1	936.2	934.8	929.9	921.5	909.5	890.6	865.7
-67.5°	764.6	768.6	771.4	771.8	771.4	768.6	764.6	758.2	749.5	736.4	717.7
-70°	621.6	623.3	621.3	616.4	621.3	623.3	621.6	619.0	616.3	610.3	596.0
-72.5°	464.3	447.3	430.3	411.5	430.3	447.3	464.3	480.5	496.3	505.3	494.8
-75°	341.4	312.6	302.1	292.0	302.1	312.6	341.4	369.2	396.1	415.6	407.7
-77.5°	253.9	223.9	215.9	208.3	215.9	223.9	253.9	282.8	310.3	332.1	326.5
-80°	180.4	157.0	151.9	146.9	151.9	157.0	180.4	203.0	224.5	243.2	242.2
-82.5°	118.6	102.3	99.0	95.6	99.0	102.3	118.6	134.3	149.2	162.4	160.8
-85°	63.8	56.2	54.6	52.9	54.6	56.2	63.8	71.2	78.1	84.4	82.4
-87.5°	19.9	18.7	18.8	18.8	18.8	18.7	19.9	21.0	22.1	23.1	23.2
-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.4	0.7	1.1	1.4	1.3	1.3	1.3	1.2
85°	0.0	0.0	0.0	0.4	0.9	1.3	1.7	1.7	1.7	1.7	1.7
82.5°	0.0	0.0	0.0	0.5	0.9	1.3	1.7	1.7	1.7	1.7	1.7
80°	0.0	0.0	0.1	0.5	0.9	1.3	1.7	1.7	1.7	1.7	1.7
77.5°	0.0	0.0	0.1	0.5	1.0	1.4	1.7	1.7	1.7	1.7	1.7
75°	0.0	0.0	0.1	0.6	1.0	1.4	1.7	1.7	1.7	1.7	1.7
72.5°	0.0	0.0	0.1	0.5	1.0	1.5	1.7	1.7	1.7	1.7	1.7
70°	0.0	0.0	0.1	0.0	0.1	0.5	1.0	1.4	1.7	1.7	1.7
67.5°	0.0	0.0	0.3	0.7	0.9	0.9	0.8	0.9	1.3	1.7	1.7
65°	0.4	0.3	0.4	0.8	1.3	1.7	1.7	1.6	1.5	1.8	1.7
62.5°	1.4	1.7	1.6	1.4	1.5	2.1	2.2	2.3	2.1	2.6	3.9
60°	5.6	2.8	6.1	7.2	5.6	5.5	9.6	9.0	3.5	12.8	15.5
57.5°	37.4	34.5	49.5	48.0	28.7	41.1	49.0	32.8	22.8	36.3	43.8
55°	163.5	159.8	155.6	146.6	134.5	125.3	123.5	123.3	97.9	71.0	80.5
52.5°	358.3	319.0	290.9	277.2	257.5	227.9	204.0	199.3	193.3	160.0	132.1
50°	460.3	453.2	422.8	376.0	371.7	341.9	300.5	271.8	268.1	245.3	203.2
47.5°	661.4	661.3	598.9	541.9	525.3	499.4	446.9	369.8	362.7	343.2	296.3
45°	1071.7	997.2	962.4	852.7	733.4	687.4	643.7	550.9	475.0	445.2	412.1
42.5°	1452.0	1341.3	1249.8	1139.9	1008.5	893.4	811.3	709.3	617.6	554.2	506.9
40°	1807.8	1629.5	1502.6	1364.2	1221.3	1078.8	977.2	848.9	744.4	659.3	609.2
37.5°	2252.8	2007.4	1866.6	1651.1	1471.0	1323.7	1193.6	1030.3	862.4	793.1	731.0
35°	2907.5	2617.0	2452.3	2190.2	1825.9	1695.6	1526.0	1281.5	1069.1	950.4	873.6
32.5°	4082.1	3647.9	3344.7	2994.7	2512.3	2169.3	1944.0	1672.0	1331.6	1160.8	1033.5
30°	5275.2	4688.0	4263.4	3907.8	3266.9	2761.3	2413.5	2028.6	1661.7	1384.3	1211.5
27.5°	6083.2	5506.3	4977.4	4466.7	3947.6	3360.5	2839.6	2345.4	1944.3	1634.1	1410.8
25°	6792.3	6139.7	5544.1	4990.7	4436.0	3865.5	3234.5	2679.2	2208.2	1853.4	1562.0
22.5°	7494.3	6800.3	6125.4	5481.7	4918.8	4308.5	3641.9	3002.8	2461.6	2094.1	1744.0
20°	8290.1	7491.0	6711.9	6103.4	5462.5	4766.3	4025.0	3415.7	2885.3	2381.9	1943.0
17.5°	9428.9	8361.1	7645.4	6959.9	6127.4	5276.4	4632.9	3994.1	3341.1	2685.8	2151.8
15°	10971.6	9868.5	9048.5	8109.2	6965.8	6087.2	5379.5	4603.8	3830.3	3045.6	2400.4
12.5°	12805.8	11467.5	10501.5	9164.3	7877.5	6927.1	6126.7	5258.6	4308.3	3370.9	2631.5
10°	13960.0	12517.3	11141.8	9857.5	8683.2	7704.5	6699.5	5639.2	4582.4	3616.3	2831.5
7.5°	14573.1	13035.5	11615.9	10331.7	9133.6	8000.6	6930.1	5862.4	4802.8	3808.0	3000.5
5°	14980.6	13420.1	11937.6	10564.8	9339.7	8199.3	7102.4	6013.6	4968.6	3949.3	3138.6
2.5°	15281.2	13670.5	12144.0	10700.2	9454.7	8319.2	7211.9	6101.7	5055.2	4025.1	3186.8
0°	15430.0	13749.7	12219.7	10790.4	9508.0	8345.1	7253.9	6133.7	5075.0	4057.3	3206.9
-2.5°	15400.1	13699.5	12155.2	10787.6	9511.4	8320.9	7259.6	6151.1	5080.6	4081.4	3221.1
-5°	15241.7	13614.1	12081.4	10711.9	9455.1	8263.5	7202.7	6113.5	5040.7	4062.2	3207.5
-7.5°	14920.8	13357.6	11870.9	10538.3	9310.3	8145.1	7087.2	6021.1	4960.0	3996.0	3167.5
-10°	14438.4	12947.8	11533.7	10272.8	9076.3	7951.4	6915.7	5865.1	4826.8	3887.1	3098.2
-12.5°	13841.2	12433.8	11085.5	9911.9	8769.6	7695.4	6683.6	5645.2	4641.6	3736.0	2999.3
-15°	13111.3	11848.1	10628.9	9490.8	8410.5	7370.3	6382.2	5371.4	4406.1	3541.3	2870.9
-17.5°	12371.0	11198.5	10054.6	8974.7	7973.3	6985.4	6027.1	5067.0	4143.4	3331.4	2720.6
-20°	11547.0	10464.2	9406.2	8426.4	7492.9	6554.6	5631.1	4707.8	3842.5	3135.0	2587.6



REPORT NUMBER: P627442 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-727-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	10652.7	9685.6	8727.7	7844.1	6970.5	6071.1	5187.3	4315.6	3494.7	2914.7	2436.7
-25°	9747.2	8868.8	8010.4	7197.2	6378.1	5528.8	4712.1	3916.4	3237.7	2706.7	2273.8
-27.5°	8838.1	8042.8	7250.7	6499.0	5727.8	4979.5	4233.3	3512.0	2959.3	2507.8	2122.0
-30°	7939.4	7220.9	6496.0	5778.2	5080.5	4397.2	3730.0	3183.6	2703.2	2295.2	1952.2
-32.5°	7013.7	6388.6	5728.1	5055.3	4421.9	3818.6	3311.8	2851.3	2436.0	2099.4	1801.0
-35°	6113.4	5538.4	4930.6	4352.5	3791.9	3340.1	2910.9	2534.3	2202.2	1904.1	1650.3
-37.5°	5194.1	4675.1	4172.7	3688.0	3287.8	2905.7	2566.3	2258.8	1971.9	1734.7	1516.2
-40°	4327.9	3876.1	3515.1	3158.5	2841.3	2536.0	2268.0	2003.8	1782.2	1573.5	1385.4
-42.5°	3586.5	3269.3	2979.2	2710.2	2449.9	2224.5	1998.3	1792.7	1599.3	1424.5	1268.2
-45°	2986.9	2760.4	2524.4	2326.9	2125.9	1946.2	1765.5	1596.1	1433.6	1291.0	1152.4
-47.5°	2512.2	2343.6	2165.9	2007.4	1856.9	1702.8	1562.0	1416.0	1290.0	1163.0	1047.4
-50°	2124.7	2000.1	1870.1	1741.8	1623.6	1497.8	1381.0	1266.2	1155.3	1049.9	944.7
-52.5°	1805.3	1715.1	1618.8	1516.8	1422.7	1324.7	1222.7	1130.3	1034.8	941.9	850.0
-55°	1552.1	1480.1	1407.2	1330.1	1251.5	1171.2	1087.9	1004.9	922.6	838.0	768.6
-57.5°	1344.1	1283.5	1225.6	1164.3	1100.1	1032.2	961.2	887.1	819.8	755.9	692.8
-60°	1161.9	1110.9	1064.6	1015.2	962.8	904.0	846.0	787.8	729.4	673.9	619.9
-62.5°	997.3	961.1	919.3	877.3	835.9	792.4	740.5	689.1	639.7	592.1	547.5
-65°	837.8	806.8	774.5	744.4	711.2	674.2	630.2	590.1	551.3	512.0	475.1
-67.5°	696.5	672.7	646.8	620.0	593.5	563.9	531.5	498.1	467.0	434.9	407.4
-70°	580.1	562.9	542.7	518.7	494.7	470.5	445.7	419.5	391.2	362.4	340.2
-72.5°	483.2	470.5	454.7	434.9	413.6	392.4	370.4	347.2	322.2	295.4	274.1
-75°	399.0	389.6	377.5	360.0	341.3	321.4	302.1	280.8	256.6	229.2	207.6
-77.5°	320.6	314.6	306.9	292.5	277.9	263.2	246.2	221.4	196.8	173.5	157.6
-80°	240.4	237.8	233.2	221.1	208.8	196.3	182.6	163.8	145.8	129.0	116.0
-82.5°	158.6	155.7	151.9	144.5	137.3	130.5	123.4	110.7	98.2	86.1	75.6
-85°	80.3	78.0	75.6	74.4	73.0	71.3	69.1	61.8	54.9	48.3	42.4
-87.5°	23.3	23.3	23.2	23.5	23.6	23.7	23.7	22.0	20.2	18.5	16.9
-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: P627442 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-727-U-WR-VSR-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°	1.1	1.1	1.0	1.0	0.9	0.8	0.8	0.7	0.7	0.6	0.5
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.4	1.3	1.2	1.0
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.5
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.7	1.7
67.5°	1.7	1.7	1.7	1.8	1.7	1.7	1.7	2.1	2.2	1.7	1.7
65°	1.7	1.7	1.8	2.5	2.3	1.7	1.7	3.3	2.8	2.4	1.7
62.5°	3.3	1.7	4.4	5.9	3.8	3.1	2.5	7.1	4.6	3.2	2.3
60°	7.8	6.3	11.9	18.2	13.1	5.1	7.5	12.2	11.3	4.1	3.2
57.5°	39.5	18.1	26.7	34.7	33.1	18.6	15.1	20.9	19.0	11.1	4.4
55°	82.0	69.8	55.5	55.2	55.8	44.1	31.4	32.4	28.7	20.4	6.5
52.5°	124.6	120.8	107.5	87.6	80.4	72.7	59.5	45.9	42.6	30.5	16.0
50°	177.7	168.0	157.5	137.0	111.1	100.9	87.3	70.2	58.0	42.6	26.6
47.5°	238.4	221.5	205.6	185.9	157.5	130.6	115.4	95.2	75.0	58.5	37.2
45°	333.0	278.1	256.7	233.8	204.6	171.1	144.8	119.9	97.1	74.5	47.9
42.5°	430.3	353.8	309.0	283.2	252.6	214.9	175.3	147.4	119.1	90.4	60.5
40°	528.2	433.5	365.6	333.4	302.3	258.6	214.1	176.0	140.4	106.9	74.3
37.5°	633.9	522.7	430.8	385.6	352.8	305.6	253.6	205.3	162.4	124.9	87.9
35°	765.5	628.5	501.9	445.9	402.0	353.6	292.6	237.1	188.6	142.9	101.3
32.5°	913.5	745.2	603.6	511.8	451.9	402.4	334.3	273.0	215.5	160.9	114.5
30°	1060.7	865.4	700.2	577.0	505.0	448.1	378.6	309.1	243.1	178.9	128.0
27.5°	1173.1	969.0	790.6	655.3	563.7	493.6	422.8	345.3	271.0	198.7	142.6
25°	1287.8	1065.1	878.2	731.9	621.3	540.0	465.3	381.6	300.8	221.4	157.0
22.5°	1421.9	1156.3	952.2	801.2	682.3	587.1	505.8	418.3	330.9	244.0	171.0
20°	1553.0	1240.4	1020.3	882.0	749.0	639.8	545.6	453.4	360.3	266.2	184.5
17.5°	1687.4	1358.5	1133.3	965.7	817.8	691.7	584.9	486.5	388.9	287.8	197.4
15°	1890.0	1516.4	1247.3	1048.4	884.4	742.7	623.3	517.8	416.5	308.6	209.0
12.5°	2080.9	1665.0	1357.8	1129.1	948.3	792.1	660.6	547.1	442.9	325.9	218.6
10°	2249.7	1803.4	1463.6	1207.1	1009.0	839.6	696.4	570.1	458.4	339.8	227.2
7.5°	2396.6	1930.3	1563.5	1281.2	1060.7	871.7	714.6	582.2	470.3	351.9	234.8
5°	2508.9	2016.7	1618.4	1310.8	1080.2	886.3	727.6	591.9	479.7	362.3	241.3
2.5°	2546.0	2045.5	1640.1	1327.5	1094.4	896.9	737.6	599.4	486.9	370.8	246.7
0°	2563.1	2059.4	1651.3	1337.1	1103.1	903.3	744.5	604.5	491.8	377.4	251.0
-2.5°	2582.0	2078.4	1667.0	1352.0	1112.3	912.1	751.8	612.5	498.9	384.8	258.2
-5°	2580.6	2081.9	1672.0	1359.1	1115.9	916.9	756.0	618.2	504.0	390.2	264.3
-7.5°	2553.4	2065.8	1665.6	1357.7	1113.9	917.4	757.2	621.6	507.2	393.6	269.0
-10°	2504.6	2032.3	1646.8	1345.4	1106.6	913.4	755.4	622.6	508.5	395.1	272.4
-12.5°	2435.9	1984.6	1616.6	1325.3	1093.4	904.9	749.8	619.7	507.7	394.6	274.3
-15°	2347.6	1923.2	1574.9	1297.4	1074.4	892.1	741.0	613.7	503.3	391.7	274.7
-17.5°	2240.8	1848.7	1521.7	1261.9	1049.5	875.3	728.8	605.4	497.2	386.6	274.2
-20°	2141.7	1770.1	1460.4	1218.8	1018.7	854.3	713.2	594.7	489.7	380.3	272.9

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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°	2030.9	1688.6	1405.9	1177.5	986.1	829.2	694.3	581.8	480.8	372.8	270.4
-25°	1904.1	1596.2	1343.7	1131.6	954.4	805.2	674.9	566.7	470.6	364.2	266.8
-27.5°	1784.9	1500.9	1274.1	1078.6	917.8	777.6	655.7	552.7	458.8	354.8	262.1
-30°	1663.4	1417.8	1207.3	1023.1	877.4	746.7	634.1	537.6	445.4	346.4	256.3
-32.5°	1539.8	1327.4	1135.7	975.0	838.3	713.6	610.5	521.5	431.5	338.1	251.5
-35°	1433.6	1238.5	1059.0	923.2	798.2	685.4	587.0	504.4	417.1	328.8	246.2
-37.5°	1320.6	1148.1	999.1	871.8	755.2	654.6	564.4	484.3	402.4	318.3	239.9
-40°	1219.4	1063.9	934.7	822.1	716.5	621.3	539.3	462.8	388.6	306.8	232.5
-42.5°	1116.3	987.4	871.9	768.6	677.6	590.8	511.9	439.9	370.7	296.1	224.0
-45°	1026.1	909.0	807.0	720.1	637.0	557.6	485.1	416.1	351.5	285.2	215.2
-47.5°	932.8	833.4	746.4	669.4	597.0	523.0	456.9	394.0	331.7	273.0	206.1
-50°	845.8	761.8	689.4	620.4	552.9	490.7	428.6	371.3	313.6	256.9	196.0
-52.5°	768.4	698.4	634.0	571.2	513.2	457.0	403.3	348.3	294.8	241.0	184.7
-55°	700.0	637.6	579.6	525.3	473.4	426.9	377.4	326.6	275.2	224.5	172.7
-57.5°	634.5	578.3	529.0	480.7	436.4	396.1	352.2	304.1	255.4	207.2	162.0
-60°	568.7	523.4	479.6	439.1	400.8	364.2	326.9	280.9	234.8	189.4	149.1
-62.5°	505.6	467.6	433.9	398.2	363.2	330.9	300.7	256.9	213.5	171.9	134.7
-65°	443.6	414.6	387.4	353.9	323.4	296.5	271.4	232.1	191.0	153.2	119.7
-67.5°	382.3	358.4	334.1	306.9	284.3	262.3	240.1	204.6	167.1	133.4	104.6
-70°	320.4	300.1	282.8	265.5	246.8	227.4	205.2	174.9	142.2	114.7	89.0
-72.5°	259.8	247.4	237.0	224.8	208.9	190.6	169.8	145.0	119.6	95.5	72.8
-75°	200.1	197.5	194.4	186.6	171.3	154.1	137.3	118.4	96.5	75.8	59.4
-77.5°	157.6	156.6	154.4	148.9	135.5	121.6	107.0	91.0	74.4	60.2	46.7
-80°	116.7	116.6	115.6	112.2	100.8	88.9	78.8	68.6	56.4	44.8	33.7
-82.5°	76.7	77.9	78.4	77.4	69.6	62.1	54.8	47.5	38.1	29.1	22.5
-85°	43.8	44.6	44.9	44.4	39.6	35.0	31.9	28.8	23.8	19.2	15.1
-87.5°	18.2	19.2	20.0	20.6	19.1	17.5	16.0	14.4	11.9	9.6	7.6
-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°	0.4	0.4	0.3	0.2	0.1	0.1	0.0
85°	0.9	0.7	0.6	0.4	0.3	0.1	0.0
82.5°	1.3	1.1	0.9	0.7	0.4	0.2	0.0
80°	1.7	1.5	1.2	0.9	0.6	0.3	0.0
77.5°	1.7	1.7	1.5	1.1	0.7	0.4	0.0
75°	1.7	1.7	1.7	1.3	0.9	0.4	0.0
72.5°	1.7	1.7	1.7	1.5	1.0	0.5	0.0
70°	1.7	1.7	1.7	1.7	1.2	0.6	0.0
67.5°	1.9	1.7	1.7	1.7	1.3	0.7	0.0
65°	2.1	1.9	1.7	1.7	1.4	0.7	0.0
62.5°	2.3	2.3	1.7	1.7	1.6	0.8	0.0
60°	2.7	2.7	1.7	1.7	1.7	0.8	0.0
57.5°	4.6	3.2	2.2	1.7	1.7	0.9	0.0
55°	7.1	3.7	2.7	1.7	1.7	1.0	0.0
52.5°	9.9	4.7	3.2	1.7	1.8	1.0	0.0
50°	13.0	7.7	3.8	1.7	1.8	1.1	0.0
47.5°	17.4	10.8	4.4	1.8	1.9	1.1	0.0
45°	26.6	14.2	5.0	2.3	1.9	1.2	0.0
42.5°	35.8	17.8	5.6	2.8	2.0	1.3	0.0
40°	45.0	21.5	7.4	3.4	2.0	1.3	0.0
37.5°	54.1	25.4	10.4	4.1	2.1	1.3	0.0
35°	63.1	31.6	13.3	4.9	2.2	1.4	0.0
32.5°	72.6	38.7	16.3	5.8	2.2	1.4	0.0
30°	83.3	45.7	19.3	6.7	2.3	1.5	0.0
27.5°	93.7	52.4	22.8	7.6	2.4	1.5	0.0
25°	103.7	58.9	26.2	8.7	2.5	1.5	0.0
22.5°	113.2	65.2	29.6	9.7	2.6	1.6	0.0
20°	122.4	71.4	32.8	10.8	2.7	1.6	0.0
17.5°	130.8	77.1	35.9	11.9	2.8	1.6	0.0
15°	138.6	82.5	38.9	12.9	2.9	1.6	0.0
12.5°	145.7	87.6	41.7	14.0	3.0	1.7	0.0
10°	152.1	92.1	44.4	15.1	3.1	1.7	0.0
7.5°	157.9	96.3	46.9	16.1	3.2	1.7	0.0
5°	162.9	100.0	49.1	17.1	3.2	1.7	0.0
2.5°	167.2	103.2	51.1	18.0	3.3	1.7	0.0
0°	170.8	105.9	52.9	18.8	3.4	1.7	0.0
-2.5°	175.4	109.2	55.3	20.0	3.9	1.8	0.0
-5°	179.3	112.0	57.5	21.1	4.4	1.9	0.0
-7.5°	182.3	114.3	59.3	22.1	4.9	2.0	0.0
-10°	184.5	116.0	60.8	22.9	5.4	2.1	0.0
-12.5°	185.8	117.1	61.9	23.7	5.9	2.2	0.0
-15°	186.1	117.6	62.7	24.3	6.3	2.3	0.0
-17.5°	185.6	117.6	63.0	24.7	6.7	2.4	0.0
-20°	185.1	116.9	63.0	25.1	7.0	2.4	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	185.2	115.6	62.4	25.2	7.3	2.5	0.0
-25°	184.3	115.2	61.5	25.2	7.6	2.5	0.0
-27.5°	182.6	114.7	60.1	25.0	7.8	2.6	0.0
-30°	179.9	113.5	58.4	24.7	8.0	2.6	0.0
-32.5°	176.3	111.6	57.6	24.1	8.2	2.6	0.0
-35°	172.8	108.9	56.4	23.4	8.2	2.6	0.0
-37.5°	168.9	106.0	54.7	22.6	8.3	2.6	0.0
-40°	164.1	103.4	52.5	21.5	8.2	2.6	0.0
-42.5°	158.3	100.1	51.0	20.5	8.2	2.5	0.0
-45°	151.5	96.2	50.0	19.7	8.0	2.5	0.0
-47.5°	143.9	91.7	48.4	18.7	7.8	2.4	0.0
-50°	137.2	86.5	46.4	18.3	7.6	2.3	0.0
-52.5°	129.9	80.7	43.9	18.1	7.3	2.3	0.0
-55°	121.9	75.9	40.8	17.6	7.0	2.2	0.0
-57.5°	113.1	70.8	37.3	16.9	6.6	2.1	0.0
-60°	103.7	64.9	33.5	15.9	6.1	2.0	0.0
-62.5°	94.7	58.4	31.1	14.8	5.7	1.8	0.0
-65°	84.7	51.2	28.5	13.5	5.3	1.7	0.0
-67.5°	73.9	44.9	25.5	12.0	4.9	1.6	0.0
-70°	62.3	39.3	22.1	10.3	4.4	1.4	0.0
-72.5°	52.9	33.4	18.6	9.1	3.9	1.2	0.0
-75°	43.5	27.0	14.7	7.9	3.4	1.1	0.0
-77.5°	33.5	20.4	12.2	6.7	2.9	0.9	0.0
-80°	23.1	15.6	9.9	5.4	2.3	0.7	0.0
-82.5°	17.0	11.8	7.5	4.1	1.8	0.6	0.0
-85°	11.4	7.9	5.0	2.8	1.2	0.4	0.0
-87.5°	5.7	4.0	2.5	1.4	0.6	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)