

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: P627262 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3E-727-U-WR-VSR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P627262 (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-SA3E-727-U-WR-VSR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6 WITH VISOR  
Light Source: (48) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17878 lumens  
Efficiency: N/A  
Efficacy: 96.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')

NEMA Type: 5H x 5V  
Max Intensity: 20264.9 candela  
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 50.9°H x 47.1°V  
Beam Lumens: 8607.4 lumens  
Beam Efficiency: 48.1%

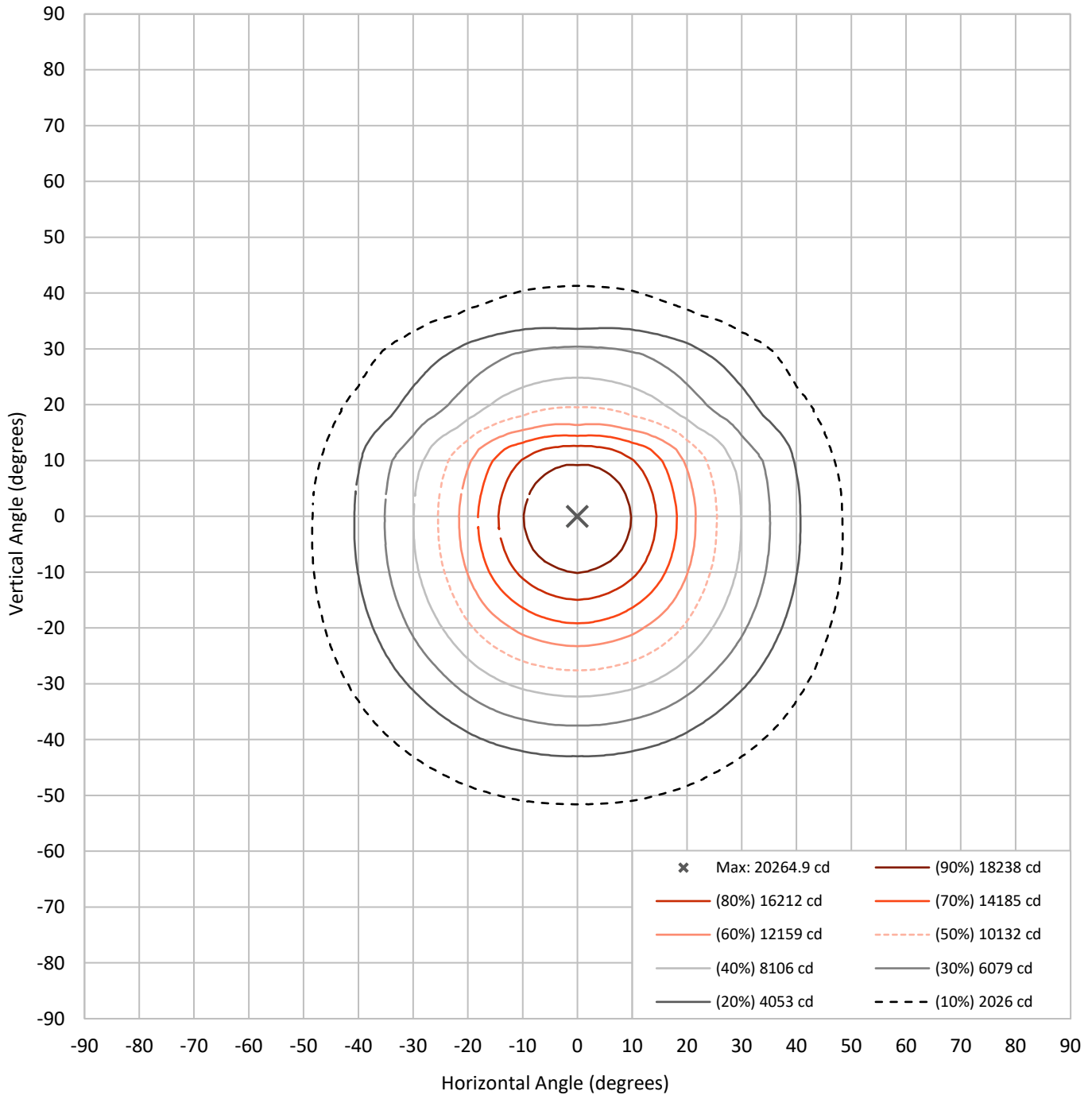
Field Angle (10%): 96.7°H x 92.9°V  
Field Lumens: 16006.9 lumens  
Field Efficiency: 89.5%

Input Watts (W): 185.2  
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





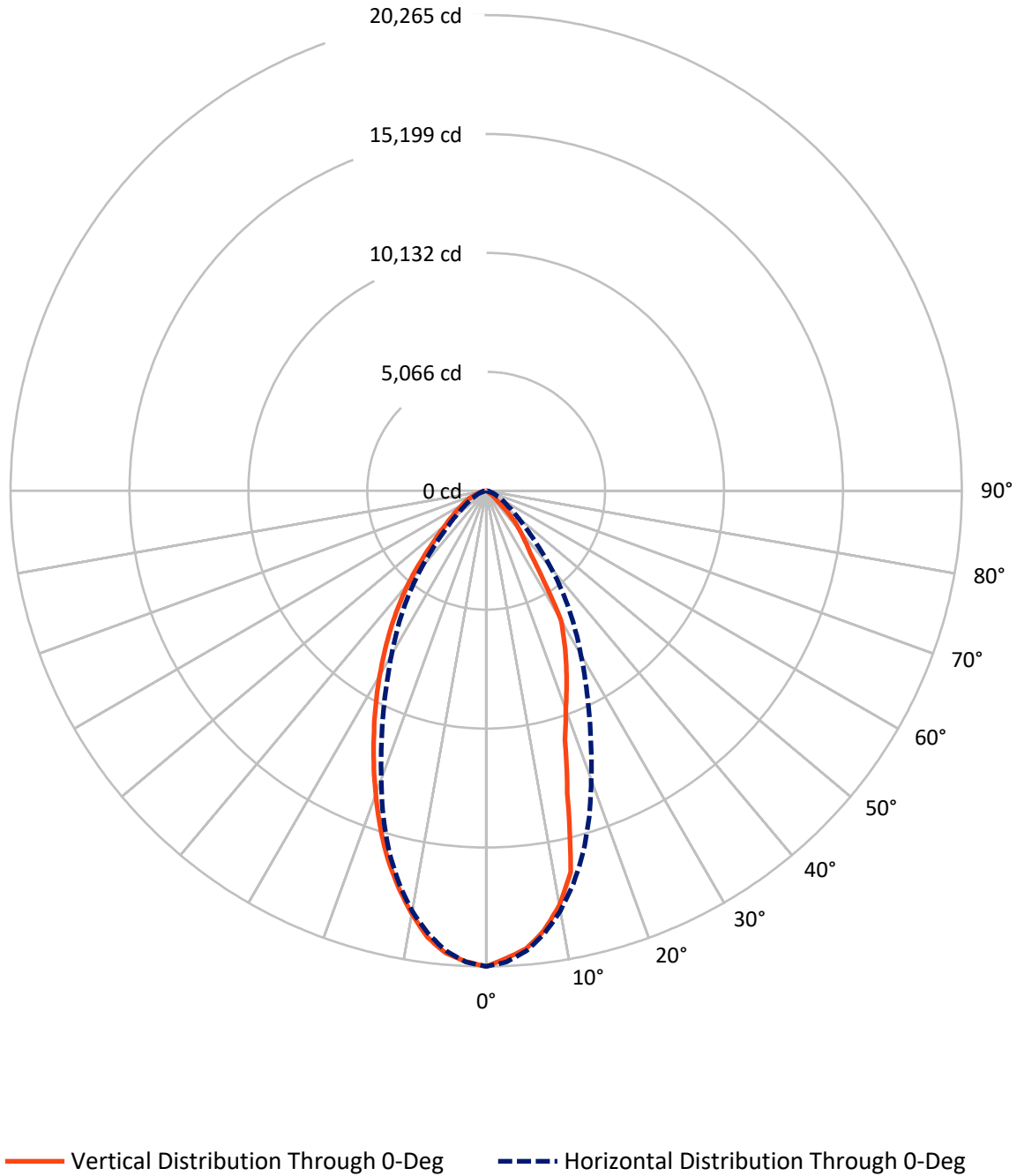
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### Lumen Table

90																			
80	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0						
70																			
60	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1				
50		0.4	0.9	1.7	2.8	4.1	5.6	6.3	6.3	5.6	4.1	2.8	1.7	0.9		0.4			
40	0.8	1.4	3.5	7.3	13.3	21.8	31.5	38.6	38.6	31.5	21.8	13.3	7.3	3.5	1.4	0.8			
30		2.7	7.0	16.2	33.4	61.3	93.8	112.7	112.7	93.8	61.3	33.4	16.2	7.0	2.7				
20	1.9	4.3	11.3	29.4	69.4	130.4	198.4	239.2	239.2	198.4	130.4	69.4	29.4	11.3	4.3	1.9			
10		5.8	16.1	46.0	114.2	211.3	330.1	408.1	408.1	330.1	211.3	114.2	46.0	16.1	5.8				
0	2.8	6.7	20.3	59.5	150.0	279.6	449.0	569.2	569.2	449.0	279.6	150.0	59.5	20.3	6.7	2.8			
-10		7.0	21.1	61.4	152.2	283.7	453.5	572.8	572.8	453.5	283.7	152.2	61.4	21.1	7.0				
-20	3.0	6.9	20.0	54.7	134.8	249.1	383.9	473.8	473.8	383.9	249.1	134.8	54.7	20.0	6.9	3.0			
-30		6.4	17.3	42.9	100.6	187.8	279.8	335.6	335.6	279.8	187.8	100.6	42.9	17.3	6.4				
-40	2.5	5.6	14.0	31.0	63.3	116.5	175.8	209.2	209.2	175.8	116.5	63.3	31.0	14.0	5.6	2.5			
-50		4.6	10.8	21.4	38.0	61.0	87.5	104.1	104.1	87.5	61.0	38.0	21.4	10.8	4.6				
-60	1.6	3.6	7.9	14.3	23.2	33.4	43.2	48.9	48.9	43.2	33.4	23.2	14.3	7.9	3.6	1.6			
-70		2.5	5.3	8.8	13.5	18.4	22.5	24.5	24.5	22.5	18.4	13.5	8.8	5.3	2.5				
-80	0.4	5.1	13.1	23.5	21.4	23.5	13.1	5.1	0.4										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

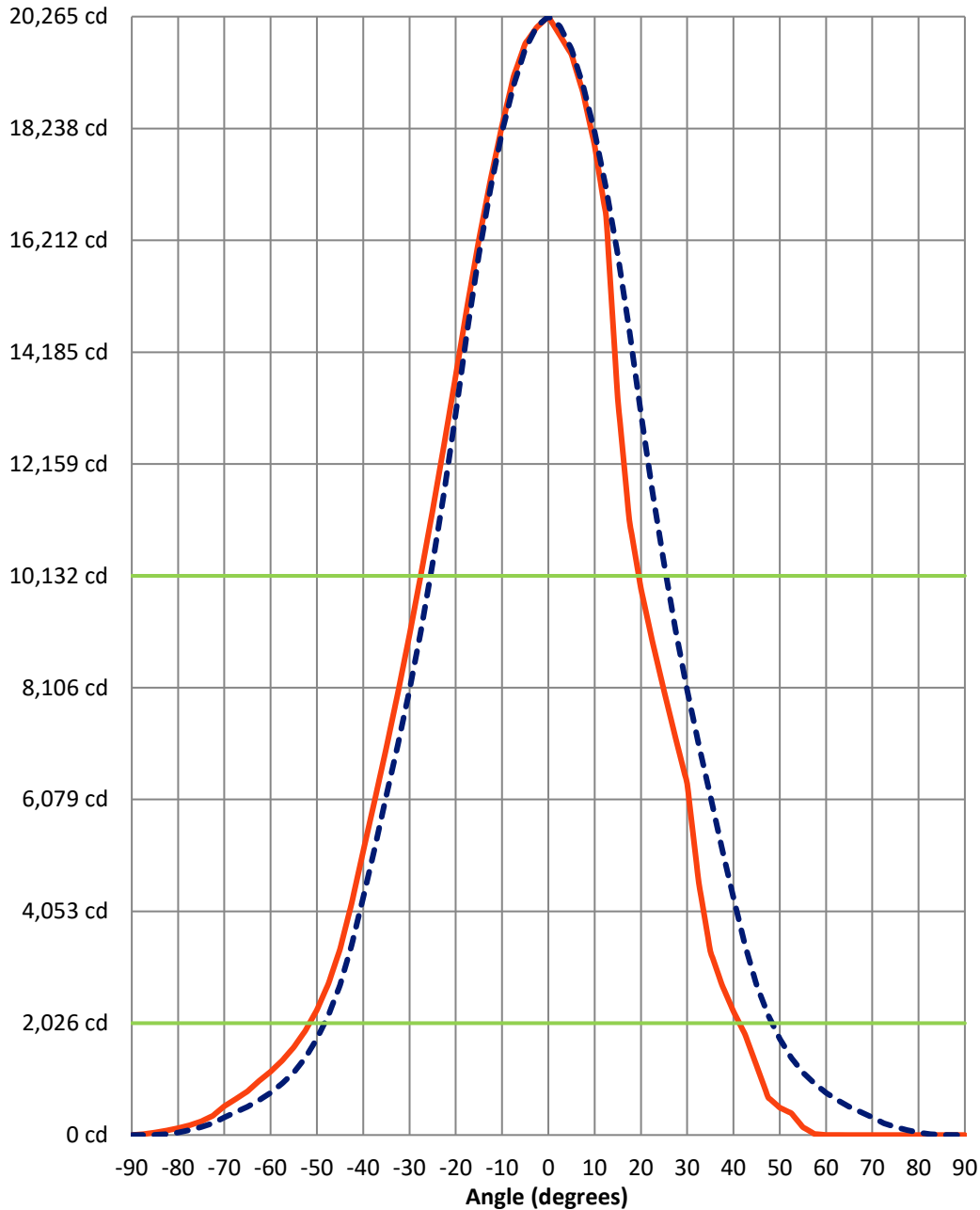
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 50.9°  
 V Angle: 47.1°  
 Lumens: 8607.4  
 Efficiency: 48.1%

**Field:**  
 H Angle: 96.7°  
 V Angle: 92.9°  
 Lumens: 16006.9  
 Efficiency: 89.5%

**Spill:**  
 Lumens: 1871.1  
 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	0.2	0.3	0.4	0.4	0.5	0.5	0.6
85°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
82.5°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.4	1.4	1.4
80°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.4	1.4	1.4	1.4
77.5°	0.0	0.3	0.6	0.9	1.2	1.4	1.4	1.4	1.4	1.4	1.4
75°	0.0	0.4	0.7	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	0.0	0.4	0.8	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
70°	0.0	0.5	1.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5
67.5°	0.0	0.5	1.1	1.4	1.4	1.4	1.5	1.4	1.4	1.8	1.8
65°	0.0	0.6	1.2	1.4	1.4	1.6	1.7	1.4	2.0	2.3	2.7
62.5°	0.0	0.6	1.3	1.4	1.4	1.9	1.9	1.9	2.7	3.8	6.0
60°	0.0	0.7	1.4	1.4	1.4	2.3	2.2	2.7	3.4	9.5	10.3
57.5°	0.0	0.8	1.4	1.4	1.8	2.7	3.9	3.7	9.4	16.1	17.7
55°	0.0	0.8	1.4	1.4	2.3	3.2	6.0	5.5	17.2	24.3	27.5
52.5°	0.0	0.9	1.5	1.4	2.7	4.0	8.3	13.6	25.8	36.1	39.0
50°	0.0	0.9	1.5	1.4	3.2	6.5	11.0	22.5	36.1	49.2	59.5
47.5°	0.0	0.9	1.5	1.5	3.7	9.2	14.7	31.5	49.6	63.6	80.7
45°	0.0	1.0	1.6	1.9	4.3	12.0	22.5	40.5	63.1	82.4	101.7
42.5°	0.0	1.0	1.6	2.3	4.8	15.0	30.3	51.2	76.6	100.9	124.9
40°	0.0	1.1	1.7	2.8	6.3	18.2	38.1	62.9	90.7	119.0	149.2
37.5°	0.0	1.1	1.7	3.5	8.8	21.5	45.8	74.5	105.9	137.7	174.0
35°	0.0	1.1	1.8	4.1	11.3	26.7	53.5	85.9	121.1	159.9	201.0
32.5°	0.0	1.2	1.9	4.9	13.8	32.8	61.5	97.1	136.4	182.7	231.4
30°	0.0	1.2	1.9	5.7	16.4	38.6	70.6	108.5	151.6	206.0	262.0
27.5°	0.0	1.2	2.0	6.5	19.3	44.4	79.4	120.9	168.4	229.7	292.8
25°	0.0	1.3	2.1	7.3	22.2	49.9	87.8	133.1	187.7	254.9	323.5
22.5°	0.0	1.3	2.2	8.2	25.0	55.2	96.0	144.9	206.8	280.5	354.6
20°	0.0	1.3	2.3	9.1	27.8	60.4	103.7	156.4	225.6	305.5	384.3
17.5°	0.0	1.3	2.4	10.1	30.4	65.3	110.8	167.4	243.9	329.7	412.4
15°	0.0	1.4	2.4	11.0	33.0	69.9	117.4	177.1	261.6	353.1	438.9
12.5°	0.0	1.4	2.5	11.9	35.4	74.2	123.4	185.3	276.3	375.4	463.8
10°	0.0	1.4	2.6	12.8	37.6	78.0	128.9	192.6	288.0	388.6	483.3
7.5°	0.0	1.4	2.7	13.6	39.7	81.6	133.7	199.0	298.3	398.7	493.5
5°	0.0	1.4	2.8	14.4	41.7	84.7	138.0	204.5	307.1	406.7	501.7
2.5°	0.0	1.4	2.8	15.2	43.4	87.4	141.7	209.1	314.3	412.7	508.0
0°	0.0	1.4	2.9	15.9	44.9	89.7	144.7	212.8	319.9	416.9	512.4
-2.5°	0.0	1.5	3.3	16.9	47.0	92.5	148.6	218.9	326.2	422.9	519.2
-5°	0.0	1.6	3.8	17.8	48.8	94.9	151.9	224.1	330.7	427.3	524.0
-7.5°	0.0	1.7	4.2	18.7	50.3	96.8	154.5	228.1	333.6	429.9	526.9
-10°	0.0	1.8	4.6	19.4	51.6	98.3	156.3	231.0	334.9	431.0	527.8
-12.5°	0.0	1.8	5.0	20.0	52.5	99.2	157.5	232.6	334.5	430.3	525.3
-15°	0.0	1.9	5.3	20.5	53.1	99.7	157.8	232.9	332.1	426.6	520.2
-17.5°	0.0	2.0	5.6	20.9	53.4	99.6	157.3	232.5	327.8	421.5	513.1
-20°	0.0	2.0	5.9	21.2	53.4	99.1	156.9	231.4	322.4	415.1	504.1

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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	2.1	6.2	21.3	52.9	98.0	157.0	229.3	316.1	407.6	493.2
-25°	0.0	2.1	6.4	21.3	52.1	97.6	156.2	226.2	308.8	398.9	480.3
-27.5°	0.0	2.1	6.6	21.2	50.9	97.2	154.8	222.2	300.8	388.9	468.5
-30°	0.0	2.2	6.8	20.9	49.4	96.2	152.5	217.3	293.7	377.6	455.7
-32.5°	0.0	2.2	6.9	20.4	48.8	94.6	149.4	213.2	286.7	365.8	442.1
-35°	0.0	2.2	7.0	19.8	47.8	92.3	146.5	208.7	278.7	353.6	427.6
-37.5°	0.0	2.2	7.0	19.1	46.3	89.8	143.2	203.4	269.8	341.1	410.5
-40°	0.0	2.2	7.0	18.2	44.5	87.6	139.1	197.1	260.1	329.4	392.3
-42.5°	0.0	2.1	6.9	17.3	43.1	84.9	134.1	189.9	251.0	314.2	372.9
-45°	0.0	2.1	6.8	16.7	42.3	81.6	128.4	182.4	241.8	298.0	352.7
-47.5°	0.0	2.0	6.6	15.8	41.0	77.7	122.0	174.7	231.4	281.2	334.0
-50°	0.0	2.0	6.4	15.5	39.3	73.3	116.3	166.1	217.8	265.9	314.8
-52.5°	0.0	1.9	6.2	15.3	37.1	68.4	110.2	156.6	204.3	249.9	295.2
-55°	0.0	1.8	5.9	14.9	34.6	64.3	103.4	146.4	190.3	233.2	276.8
-57.5°	0.0	1.7	5.6	14.3	31.6	60.0	95.9	137.3	175.7	216.4	257.7
-60°	0.0	1.7	5.2	13.5	28.3	55.0	88.0	126.4	160.6	199.1	238.1
-62.5°	0.0	1.5	4.9	12.6	26.4	49.5	80.3	114.2	145.7	181.0	217.8
-65°	0.0	1.4	4.6	11.4	24.1	43.4	71.8	101.5	129.9	161.9	196.7
-67.5°	0.0	1.3	4.2	10.2	21.6	38.0	62.6	88.7	113.1	141.7	173.4
-70°	0.0	1.2	3.8	8.8	18.8	33.3	52.8	75.4	97.3	120.6	148.3
-72.5°	0.0	1.1	3.4	7.7	15.7	28.3	44.9	61.7	81.0	101.4	123.0
-75°	0.0	0.9	2.9	6.8	12.5	22.9	36.8	50.3	64.2	81.8	100.3
-77.5°	0.0	0.8	2.5	5.7	10.3	17.3	28.4	39.5	51.0	63.1	77.2
-80°	0.0	0.6	2.0	4.6	8.4	13.2	19.6	28.5	37.9	47.8	58.1
-82.5°	0.0	0.5	1.5	3.5	6.3	10.0	14.4	19.1	24.6	32.2	40.2
-85°	0.0	0.3	1.0	2.4	4.2	6.7	9.7	12.8	16.2	20.1	24.3
-87.5°	0.0	0.2	0.5	1.2	2.1	3.4	4.9	6.4	8.1	10.1	12.2
-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):**

	-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°	0.6	0.7	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.1	1.1
85°	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.2
67.5°	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.4	1.4	1.1	0.7
65°	1.4	1.4	1.9	2.1	1.5	1.4	1.4	1.4	1.5	1.3	1.3
62.5°	2.1	2.6	3.2	5.0	3.7	1.4	2.8	3.3	2.2	1.8	1.9
60°	6.3	4.3	11.1	15.4	10.1	5.3	6.5	13.1	10.8	2.9	7.7
57.5°	12.8	15.8	28.0	29.4	22.6	15.3	33.5	37.2	30.8	19.4	27.9
55°	26.6	37.4	47.3	46.8	47.0	59.1	69.5	68.3	60.2	83.0	104.5
52.5°	50.4	61.6	68.2	74.3	91.2	102.4	105.6	112.0	135.6	163.8	168.9
50°	74.0	85.5	94.2	116.2	133.5	142.4	150.6	172.2	207.9	227.3	230.4
47.5°	97.9	110.8	133.5	157.6	174.3	187.7	202.0	251.1	290.9	307.4	313.4
45°	122.7	145.0	173.4	198.2	217.6	235.7	282.3	349.3	377.3	402.6	466.9
42.5°	148.6	182.2	214.1	240.1	261.9	299.9	364.7	429.7	469.8	523.5	601.3
40°	181.5	219.2	256.3	282.6	309.9	367.4	447.7	516.4	558.9	631.0	719.6
37.5°	215.0	259.0	299.1	326.9	365.2	443.1	537.4	619.7	672.3	731.0	873.4
35°	248.1	299.7	340.7	378.0	425.4	532.8	648.9	740.5	805.6	906.2	1086.3
32.5°	283.4	341.1	383.0	433.8	511.7	631.7	774.4	876.1	984.0	1128.8	1417.3
30°	321.0	379.8	428.1	489.0	593.5	733.6	899.1	1026.9	1173.4	1408.6	1719.6
27.5°	358.4	418.4	477.8	555.4	670.2	821.5	994.4	1195.9	1385.2	1648.1	1988.1
25°	394.4	457.7	526.6	620.4	744.5	902.9	1091.6	1324.2	1571.1	1871.9	2271.1
22.5°	428.8	497.7	578.4	679.1	807.2	980.2	1205.3	1478.4	1775.2	2086.7	2545.4
20°	462.5	542.3	634.9	747.7	865.0	1051.4	1316.5	1647.1	2019.1	2445.8	2895.4
17.5°	495.7	586.4	693.2	818.6	960.7	1151.5	1430.4	1824.0	2276.7	2832.2	3385.8
15°	528.3	629.5	749.7	888.7	1057.3	1285.4	1602.1	2034.7	2581.7	3246.9	3902.6
12.5°	560.0	671.4	803.9	957.1	1151.0	1411.4	1764.0	2230.7	2857.4	3652.1	4457.6
10°	590.3	711.6	855.3	1023.2	1240.7	1528.7	1907.0	2400.2	3065.4	3884.4	4780.3
7.5°	605.7	738.9	899.2	1086.0	1325.3	1636.3	2031.5	2543.5	3227.9	4071.2	4969.4
5°	616.7	751.3	915.7	1111.1	1371.9	1709.5	2126.8	2660.6	3347.7	4211.8	5097.6
2.5°	625.2	760.2	927.7	1125.3	1390.3	1733.9	2158.2	2701.4	3412.0	4285.2	5172.3
0°	631.1	765.7	935.1	1133.4	1399.7	1745.7	2172.7	2718.4	3439.3	4302.0	5199.4
-2.5°	637.3	773.2	942.9	1146.0	1413.0	1761.7	2188.7	2730.4	3459.7	4306.6	5214.1
-5°	640.9	777.2	945.9	1152.1	1417.3	1764.7	2187.5	2719.0	3443.4	4272.8	5182.2
-7.5°	641.9	777.7	944.2	1150.9	1411.8	1751.0	2164.4	2685.1	3387.3	4204.4	5103.9
-10°	640.3	774.3	938.0	1140.5	1395.9	1722.7	2123.0	2626.3	3295.0	4091.5	4971.7
-12.5°	635.6	767.0	926.9	1123.4	1370.4	1682.2	2064.8	2542.4	3166.9	3934.5	4785.3
-15°	628.1	756.2	910.7	1099.8	1335.0	1630.2	1990.0	2433.6	3001.9	3734.9	4553.2
-17.5°	617.8	741.9	889.6	1069.7	1289.9	1567.1	1899.5	2306.2	2824.0	3512.2	4295.2
-20°	604.6	724.1	863.5	1033.2	1237.9	1500.5	1815.5	2193.4	2657.5	3257.2	3990.7

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REPORT NUMBER: P627262 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-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°	588.5	702.9	835.9	998.2	1191.8	1431.4	1721.6	2065.5	2470.7	2962.4	3658.3
-25°	572.1	682.5	809.0	959.2	1139.0	1353.0	1614.1	1927.4	2294.4	2744.5	3319.8
-27.5°	555.8	659.1	778.0	914.3	1080.0	1272.2	1513.1	1798.7	2125.8	2508.5	2977.0
-30°	537.5	633.0	743.7	867.2	1023.4	1201.9	1410.0	1654.8	1945.6	2291.5	2698.7
-32.5°	517.5	604.9	710.6	826.5	962.7	1125.2	1305.3	1526.7	1779.6	2065.0	2417.0
-35°	497.5	581.0	676.6	782.6	897.6	1049.8	1215.2	1398.9	1614.1	1866.8	2148.3
-37.5°	478.4	554.9	640.1	739.0	846.9	973.2	1119.4	1285.3	1470.5	1671.5	1914.7
-40°	457.1	526.7	607.3	696.9	792.4	901.8	1033.6	1174.4	1333.9	1510.7	1698.5
-42.5°	433.9	500.8	574.4	651.5	739.2	837.0	946.2	1075.0	1207.5	1355.7	1519.6
-45°	411.2	472.6	539.9	610.4	684.1	770.5	869.8	976.9	1094.3	1215.3	1353.0
-47.5°	387.3	443.4	506.1	567.4	632.7	706.4	790.7	887.9	985.8	1093.5	1200.3
-50°	363.3	416.0	468.7	525.9	584.4	645.8	716.9	800.8	890.0	979.3	1073.3
-52.5°	341.8	387.4	435.0	484.2	537.4	592.0	651.3	720.5	798.4	877.2	958.2
-55°	319.9	361.9	401.2	445.3	491.3	540.5	593.4	651.6	710.4	782.1	851.8
-57.5°	298.5	335.7	370.0	407.5	448.5	490.2	537.9	587.3	640.7	694.9	752.0
-60°	277.0	308.7	339.7	372.2	406.6	443.7	482.1	525.5	571.3	618.3	667.8
-62.5°	254.8	280.5	307.9	337.6	367.9	396.4	428.6	464.1	501.9	542.3	584.2
-65°	230.0	251.3	274.1	300.0	328.4	351.5	376.1	402.8	434.0	467.3	500.2
-67.5°	203.5	222.3	240.9	260.1	283.2	303.8	324.1	345.3	368.6	395.9	422.2
-70°	174.0	192.8	209.2	225.1	239.7	254.5	271.6	288.4	307.2	331.6	355.6
-72.5°	143.9	161.6	177.1	190.6	200.9	209.7	220.3	232.4	250.5	273.1	294.3
-75°	116.4	130.6	145.2	158.1	164.8	167.5	169.6	176.0	194.3	217.5	238.1
-77.5°	90.7	103.0	114.9	126.2	130.9	132.7	133.6	133.6	147.1	166.8	187.7
-80°	66.8	75.4	85.4	95.1	98.0	98.8	99.0	98.4	109.4	123.6	138.8
-82.5°	46.4	52.6	59.0	65.6	66.4	66.0	65.0	64.1	73.0	83.3	93.8
-85°	27.0	29.6	33.5	37.6	38.0	37.8	37.2	36.0	41.0	46.5	52.4
-87.5°	13.5	14.8	16.1	17.4	17.0	16.3	15.4	14.4	15.7	17.2	18.7
-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: P627262 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-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°	1.1	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.4	1.1	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.4	1.1	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.4	1.1	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1.4	1.1	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.4	1.2	0.8	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.4	1.2	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.6	0.7	0.7	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.4	1.4	1.0	0.7	0.3	0.3	0.3	0.3	0.1	0.0	0.0
62.5°	1.8	1.8	1.2	1.2	1.3	1.4	1.1	1.0	0.9	1.0	1.1
60°	8.2	4.6	4.7	6.0	5.1	2.3	4.7	6.0	5.6	4.2	3.7
57.5°	41.5	34.8	24.3	40.7	42.0	29.3	31.7	41.4	40.1	31.0	30.9
55°	104.7	106.2	114.0	124.3	132.0	135.5	138.6	154.2	170.8	187.0	195.2
52.5°	172.9	193.1	218.3	235.0	246.6	270.4	303.8	319.1	334.0	350.9	363.2
50°	254.6	289.8	315.1	318.8	358.4	384.2	390.2	419.0	450.3	469.8	483.8
47.5°	378.8	423.3	445.3	459.4	507.7	560.6	560.7	577.2	655.6	696.6	716.3
45°	545.7	582.7	621.7	722.8	815.8	845.3	908.4	993.9	1049.5	1126.0	1210.2
42.5°	687.7	757.4	854.9	966.2	1059.4	1137.0	1230.8	1333.6	1457.1	1573.3	1673.5
40°	828.4	914.5	1035.3	1156.4	1273.8	1381.2	1532.5	1664.7	1810.4	1970.1	2103.3
37.5°	1011.8	1122.1	1246.9	1399.6	1582.3	1701.6	1909.6	2099.6	2263.8	2456.7	2575.5
35°	1293.6	1437.3	1547.8	1856.5	2078.8	2218.3	2464.6	2776.9	2896.7	3139.7	3255.0
32.5°	1647.8	1838.8	2129.6	2538.5	2835.2	3092.2	3460.3	3777.1	4047.2	4291.2	4545.0
30°	2045.8	2340.7	2769.3	3312.5	3614.0	3973.9	4471.6	4847.3	5270.8	5735.7	5898.6
27.5°	2407.1	2848.7	3346.3	3786.4	4219.3	4667.5	5156.6	5639.2	6097.6	6484.4	6744.0
25°	2741.9	3276.7	3760.3	4230.5	4699.6	5204.5	5757.6	6305.0	6809.4	7207.5	7510.1
22.5°	3087.2	3652.2	4169.6	4646.7	5192.4	5764.5	6352.7	6980.5	7554.6	7967.5	8297.2
20°	3411.9	4040.2	4630.4	5173.7	5689.4	6349.9	7027.3	7693.2	8318.3	8810.2	9190.4
17.5°	3927.2	4472.7	5194.0	5899.7	6480.8	7087.5	7992.6	8679.9	9373.7	9962.8	10365.8
15°	4560.1	5159.9	5904.7	6874.0	7670.1	8365.2	9300.3	10418.5	11236.7	11988.8	12504.7
12.5°	5193.5	5871.9	6677.5	7768.3	8901.8	9720.6	10855.1	12271.9	13225.0	14389.4	14963.4
10°	5679.0	6530.9	7360.5	8355.9	9444.5	10610.5	11833.4	13159.0	14432.5	15432.3	16326.1
7.5°	5874.4	6781.9	7742.3	8757.9	9846.4	11049.8	12353.2	13732.5	15043.1	16159.8	17142.1
5°	6020.5	6950.3	7917.0	8955.5	10119.2	11375.8	12698.7	14146.8	15485.2	16682.1	17687.0
2.5°	6113.4	7051.9	8014.5	9070.3	10294.2	11588.1	12953.4	14439.9	15798.4	17030.6	18032.3
0°	6149.0	7073.9	8059.7	9146.7	10358.3	11655.2	13079.6	14583.5	15952.9	17144.1	18174.8
-2.5°	6153.8	7053.4	8062.6	9144.4	10303.6	11612.7	13054.3	14545.7	15887.2	17073.7	18113.5
-5°	6105.5	7004.7	8014.8	9080.2	10241.1	11540.3	12920.0	14361.2	15640.6	16795.3	17796.5
-7.5°	6007.6	6904.3	7892.1	8933.1	10062.6	11322.9	12648.0	13987.9	15243.0	16350.5	17305.9
-10°	5862.3	6740.2	7693.7	8708.0	9776.8	10975.5	12239.0	13519.2	14696.3	15720.5	16604.0
-12.5°	5665.5	6523.2	7433.8	8402.0	9396.9	10539.8	11732.8	12935.0	14007.9	14942.9	15735.6
-15°	5410.0	6247.6	7129.4	8045.1	9009.8	10043.3	11114.0	12216.7	13206.2	14035.4	14759.5
-17.5°	5109.0	5921.4	6758.7	7607.6	8523.0	9492.6	10486.5	11476.4	12320.3	13057.0	13719.2
-20°	4773.4	5556.1	6351.5	7142.9	7973.4	8870.1	9788.1	10657.6	11395.0	12064.4	12670.3

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REPORT NUMBER: P627262 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-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°	4397.1	5146.3	5908.7	6649.3	7398.3	8210.2	9030.0	9816.3	10506.1	11078.6	11605.2
-25°	3994.4	4686.6	5406.5	6100.8	6790.2	7517.9	8262.5	8985.9	9593.0	10090.1	10525.2
-27.5°	3588.5	4221.1	4855.3	5509.0	6146.2	6817.6	7491.8	8116.6	8661.7	9119.4	9485.0
-30°	3161.9	3727.4	4306.6	4898.0	5506.4	6120.9	6730.0	7277.1	7752.9	8155.5	8471.5
-32.5°	2807.3	3236.9	3748.3	4285.2	4855.5	5415.4	5945.2	6443.9	6892.3	7243.8	7511.8
-35°	2467.5	2831.3	3214.3	3689.5	4179.5	4694.7	5182.1	5627.2	6026.9	6334.0	6586.1
-37.5°	2175.3	2463.1	2787.0	3126.3	3537.1	3963.0	4402.9	4821.5	5177.8	5445.8	5670.9
-40°	1922.5	2149.6	2408.5	2677.4	2979.7	3285.7	3668.7	4021.9	4312.8	4563.3	4767.2
-42.5°	1693.8	1885.6	2076.7	2297.3	2525.4	2771.3	3040.2	3301.4	3524.7	3734.3	3907.5
-45°	1496.5	1649.7	1802.0	1972.4	2139.9	2339.9	2531.9	2703.3	2884.1	3041.1	3164.6
-47.5°	1324.0	1443.4	1574.0	1701.5	1836.0	1986.6	2129.5	2259.9	2392.4	2507.2	2599.3
-50°	1170.7	1269.6	1376.3	1476.5	1585.2	1695.4	1801.1	1904.8	2005.4	2092.7	2160.7
-52.5°	1036.4	1122.9	1205.9	1285.8	1372.3	1453.8	1530.3	1615.9	1694.6	1763.4	1809.9
-55°	922.2	992.8	1060.8	1127.5	1192.9	1254.7	1315.7	1382.2	1442.9	1497.6	1532.2
-57.5°	814.8	875.0	932.6	987.0	1038.9	1088.0	1139.4	1190.5	1237.3	1278.6	1305.3
-60°	717.2	766.3	816.2	860.6	902.4	941.7	984.9	1025.8	1063.6	1095.3	1113.9
-62.5°	627.7	671.8	708.6	743.7	779.3	814.7	845.4	875.6	904.8	929.3	945.5
-65°	534.2	571.5	602.9	631.1	656.6	684.0	710.2	733.9	755.0	770.9	781.2
-67.5°	450.5	478.0	503.1	525.5	548.3	570.3	590.4	608.4	624.2	635.4	642.7
-70°	377.8	398.8	419.3	439.7	460.0	477.1	491.8	505.2	517.3	522.4	524.7
-72.5°	314.0	332.6	350.6	368.6	385.5	398.9	409.6	419.5	428.3	420.7	407.3
-75°	256.1	272.5	289.3	305.2	320.1	330.3	338.3	345.6	352.3	335.8	313.0
-77.5°	208.7	223.1	235.6	248.0	260.2	266.7	271.8	276.7	281.5	263.0	239.7
-80°	154.8	166.4	177.0	187.4	197.7	201.6	203.8	205.3	206.2	190.4	172.1
-82.5°	104.6	110.6	116.4	122.5	128.7	131.9	134.4	136.3	137.6	126.4	113.7
-85°	58.6	60.4	61.8	63.1	64.1	66.1	68.1	69.9	71.5	66.2	60.3
-87.5°	20.1	20.1	20.1	19.9	19.7	19.7	19.7	19.7	19.6	18.7	17.8
-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: P627262 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-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	0.1	0.3
62.5°	1.3	1.3	1.4	1.4	1.4	1.3	1.3	1.1	1.0	0.9	1.0
60°	2.8	1.7	1.4	1.4	1.4	1.7	2.8	3.7	4.2	5.6	6.0
57.5°	28.8	25.1	22.6	20.3	22.6	25.1	28.8	30.9	31.0	40.1	41.4
55°	191.7	178.5	162.3	143.3	162.3	178.5	191.7	195.2	187.0	170.8	154.2
52.5°	376.1	388.6	395.8	395.2	395.8	388.6	376.1	363.2	350.9	334.0	319.1
50°	495.0	501.8	502.2	496.5	502.2	501.8	495.0	483.8	469.8	450.3	419.0
47.5°	725.2	715.7	699.4	681.8	699.4	715.7	725.2	716.3	696.6	655.6	577.2
45°	1265.5	1296.0	1294.0	1255.0	1294.0	1296.0	1265.5	1210.2	1126.0	1049.5	993.9
42.5°	1729.5	1775.1	1807.5	1823.8	1807.5	1775.1	1729.5	1673.5	1573.3	1457.1	1333.6
40°	2178.3	2222.4	2241.8	2240.7	2241.8	2222.4	2178.3	2103.3	1970.1	1810.4	1664.7
37.5°	2652.6	2709.7	2737.4	2724.2	2737.4	2709.7	2652.6	2575.5	2456.7	2263.8	2099.6
35°	3304.9	3358.3	3359.3	3332.1	3359.3	3358.3	3304.9	3255.0	3139.7	2896.7	2776.9
32.5°	4746.5	4764.4	4627.1	4578.4	4627.1	4764.4	4746.5	4545.0	4291.2	4047.2	3777.1
30°	6060.6	6187.3	6305.2	6364.6	6305.2	6187.3	6060.6	5898.6	5735.7	5270.8	4847.3
27.5°	6939.8	7092.2	7186.6	7192.6	7186.6	7092.2	6939.8	6744.0	6484.4	6097.6	5639.2
25°	7739.4	7909.8	8012.8	8048.1	8012.8	7909.8	7739.4	7510.1	7207.5	6809.4	6305.0
22.5°	8577.1	8777.9	8911.1	8938.3	8911.1	8777.9	8577.1	8297.2	7967.5	7554.6	6980.5
20°	9549.0	9782.8	9910.4	9905.2	9910.4	9782.8	9549.0	9190.4	8810.2	8318.3	7693.2
17.5°	10828.6	11079.3	11189.5	11141.4	11189.5	11079.3	10828.6	10365.8	9962.8	9373.7	8679.9
15°	13034.3	13558.8	13556.7	13347.4	13556.7	13558.8	13034.3	12504.7	11988.8	11236.7	10418.5
12.5°	15755.0	16145.9	16546.9	16633.2	16546.9	16145.9	15755.0	14963.4	14389.4	13225.0	12271.9
10°	17078.8	17598.0	17940.6	17931.6	17940.6	17598.0	17078.8	16326.1	15432.3	14432.5	13159.0
7.5°	17907.1	18480.6	18895.8	18886.9	18895.8	18480.6	17907.1	17142.1	16159.8	15043.1	13732.5
5°	18546.2	19182.4	19550.2	19577.4	19550.2	19182.4	18546.2	17687.0	16682.1	15485.2	14146.8
2.5°	18878.4	19542.3	19984.5	19926.2	19984.5	19542.3	18878.4	18032.3	17030.6	15798.4	14439.9
0°	19017.2	19674.4	20086.9	20264.9	20086.9	19674.4	19017.2	18174.8	17144.1	15952.9	14583.5
-2.5°	18956.5	19596.0	20052.0	20069.5	20052.0	19596.0	18956.5	18113.5	17073.7	15887.2	14545.7
-5°	18631.8	19306.5	19612.0	19774.2	19612.0	19306.5	18631.8	17796.5	16795.3	15640.6	14361.2
-7.5°	18107.9	18613.6	19001.6	19180.8	19001.6	18613.6	18107.9	17305.9	16350.5	15243.0	13987.9
-10°	17292.8	17816.3	18144.2	18292.0	18144.2	17816.3	17292.8	16604.0	15720.5	14696.3	13519.2
-12.5°	16389.6	16865.4	17177.1	17301.9	17177.1	16865.4	16389.6	15735.6	14942.9	14007.9	12935.0
-15°	15382.0	15814.0	16100.9	16220.6	16100.9	15814.0	15382.0	14759.5	14035.4	13206.2	12216.7
-17.5°	14272.9	14651.4	14937.3	15023.6	14937.3	14651.4	14272.9	13719.2	13057.0	12320.3	11476.4
-20°	13132.4	13474.6	13710.1	13761.3	13710.1	13474.6	13132.4	12670.3	12064.4	11395.0	10657.6



REPORT NUMBER: P627262 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-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°	11983.2	12265.2	12456.4	12520.8	12456.4	12265.2	11983.2	11605.2	11078.6	10506.1	9816.3
-25°	10860.2	11103.5	11257.5	11315.1	11257.5	11103.5	10860.2	10525.2	10090.1	9593.0	8985.9
-27.5°	9780.1	10006.9	10148.3	10167.2	10148.3	10006.9	9780.1	9485.0	9119.4	8661.7	8116.6
-30°	8717.3	8904.6	9013.6	9059.9	9013.6	8904.6	8717.3	8471.5	8155.5	7752.9	7277.1
-32.5°	7724.1	7887.7	7985.7	8011.9	7985.7	7887.7	7724.1	7511.8	7243.8	6892.3	6443.9
-35°	6786.5	6937.6	7024.4	7017.5	7024.4	6937.6	6786.5	6586.1	6334.0	6026.9	5627.2
-37.5°	5857.1	5996.5	6075.3	6067.9	6075.3	5996.5	5857.1	5670.9	5445.8	5177.8	4821.5
-40°	4935.0	5055.3	5124.7	5141.5	5124.7	5055.3	4935.0	4767.2	4563.3	4312.8	4021.9
-42.5°	4051.6	4162.7	4218.2	4196.3	4218.2	4162.7	4051.6	3907.5	3734.3	3524.7	3301.4
-45°	3251.0	3308.5	3346.3	3369.8	3346.3	3308.5	3251.0	3164.6	3041.1	2884.1	2703.3
-47.5°	2666.7	2714.3	2740.0	2744.5	2740.0	2714.3	2666.7	2599.3	2507.2	2392.4	2259.9
-50°	2213.5	2254.0	2271.9	2266.8	2271.9	2254.0	2213.5	2160.7	2092.7	2005.4	1904.8
-52.5°	1843.4	1866.9	1882.7	1890.4	1882.7	1866.9	1843.4	1809.9	1763.4	1694.6	1615.9
-55°	1558.2	1576.5	1587.2	1590.8	1587.2	1576.5	1558.2	1532.2	1497.6	1442.9	1382.2
-57.5°	1327.6	1345.1	1351.4	1349.1	1351.4	1345.1	1327.6	1305.3	1278.6	1237.3	1190.5
-60°	1128.1	1138.0	1145.5	1149.3	1145.5	1138.0	1128.1	1113.9	1095.3	1063.6	1025.8
-62.5°	958.3	967.6	975.4	980.0	975.4	967.6	958.3	945.5	929.3	904.8	875.6
-65°	788.3	792.4	793.6	791.8	793.6	792.4	788.3	781.2	770.9	755.0	733.9
-67.5°	648.1	651.6	653.9	654.3	653.9	651.6	648.1	642.7	635.4	624.2	608.4
-70°	526.9	528.3	526.6	522.5	526.6	528.3	526.9	524.7	522.4	517.3	505.2
-72.5°	393.6	379.2	364.8	348.8	364.8	379.2	393.6	407.3	420.7	428.3	419.5
-75°	289.4	264.9	256.1	247.5	256.1	264.9	289.4	313.0	335.8	352.3	345.6
-77.5°	215.2	189.8	183.0	176.6	183.0	189.8	215.2	239.7	263.0	281.5	276.7
-80°	152.9	133.1	128.7	124.5	128.7	133.1	152.9	172.1	190.4	206.2	205.3
-82.5°	100.4	86.6	83.9	81.1	83.9	86.6	100.4	113.7	126.4	137.6	136.3
-85°	54.1	47.6	46.3	44.9	46.3	47.6	54.1	60.3	66.2	71.5	69.9
-87.5°	16.9	15.8	15.9	15.9	15.9	15.8	16.9	17.8	18.7	19.6	19.7
-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: P627262 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-727-U-WR-VSR-XX

**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	0.3	0.6	0.9	1.1	1.1	1.1	1.0	1.0
85°	0.0	0.0	0.0	0.4	0.7	1.1	1.4	1.4	1.4	1.4	1.4
82.5°	0.0	0.0	0.0	0.4	0.7	1.1	1.4	1.4	1.4	1.4	1.4
80°	0.0	0.0	0.0	0.4	0.8	1.1	1.4	1.4	1.4	1.4	1.4
77.5°	0.0	0.0	0.1	0.4	0.8	1.1	1.4	1.4	1.4	1.4	1.4
75°	0.0	0.0	0.1	0.5	0.8	1.2	1.4	1.4	1.4	1.4	1.4
72.5°	0.0	0.0	0.1	0.4	0.8	1.2	1.4	1.4	1.4	1.4	1.4
70°	0.0	0.0	0.0	0.0	0.1	0.4	0.8	1.2	1.4	1.4	1.4
67.5°	0.0	0.0	0.2	0.6	0.7	0.7	0.6	0.7	1.1	1.4	1.4
65°	0.3	0.3	0.3	0.7	1.0	1.4	1.4	1.3	1.3	1.5	1.4
62.5°	1.1	1.4	1.3	1.2	1.2	1.8	1.8	1.9	1.8	2.2	3.3
60°	4.7	2.3	5.1	6.0	4.7	4.6	8.2	7.7	2.9	10.8	13.1
57.5°	31.7	29.3	42.0	40.7	24.3	34.8	41.5	27.9	19.4	30.8	37.2
55°	138.6	135.5	132.0	124.3	114.0	106.2	104.7	104.5	83.0	60.2	68.3
52.5°	303.8	270.4	246.6	235.0	218.3	193.1	172.9	168.9	163.8	135.6	112.0
50°	390.2	384.2	358.4	318.8	315.1	289.8	254.6	230.4	227.3	207.9	172.2
47.5°	560.7	560.6	507.7	459.4	445.3	423.3	378.8	313.4	307.4	290.9	251.1
45°	908.4	845.3	815.8	722.8	621.7	582.7	545.7	466.9	402.6	377.3	349.3
42.5°	1230.8	1137.0	1059.4	966.2	854.9	757.4	687.7	601.3	523.5	469.8	429.7
40°	1532.5	1381.2	1273.8	1156.4	1035.3	914.5	828.4	719.6	631.0	558.9	516.4
37.5°	1909.6	1701.6	1582.3	1399.6	1246.9	1122.1	1011.8	873.4	731.0	672.3	619.7
35°	2464.6	2218.3	2078.8	1856.5	1547.8	1437.3	1293.6	1086.3	906.2	805.6	740.5
32.5°	3460.3	3092.2	2835.2	2538.5	2129.6	1838.8	1647.8	1417.3	1128.8	984.0	876.1
30°	4471.6	3973.9	3614.0	3312.5	2769.3	2340.7	2045.8	1719.6	1408.6	1173.4	1026.9
27.5°	5156.6	4667.5	4219.3	3786.4	3346.3	2848.7	2407.1	1988.1	1648.1	1385.2	1195.9
25°	5757.6	5204.5	4699.6	4230.5	3760.3	3276.7	2741.9	2271.1	1871.9	1571.1	1324.2
22.5°	6352.7	5764.5	5192.4	4646.7	4169.6	3652.2	3087.2	2545.4	2086.7	1775.2	1478.4
20°	7027.3	6349.9	5689.4	5173.7	4630.4	4040.2	3411.9	2895.4	2445.8	2019.1	1647.1
17.5°	7992.6	7087.5	6480.8	5899.7	5194.0	4472.7	3927.2	3385.8	2832.2	2276.7	1824.0
15°	9300.3	8365.2	7670.1	6874.0	5904.7	5159.9	4560.1	3902.6	3246.9	2581.7	2034.7
12.5°	10855.1	9720.6	8901.8	7768.3	6677.5	5871.9	5193.5	4457.6	3652.1	2857.4	2230.7
10°	11833.4	10610.5	9444.5	8355.9	7360.5	6530.9	5679.0	4780.3	3884.4	3065.4	2400.2
7.5°	12353.2	11049.8	9846.4	8757.9	7742.3	6781.9	5874.4	4969.4	4071.2	3227.9	2543.5
5°	12698.7	11375.8	10119.2	8955.5	7917.0	6950.3	6020.5	5097.6	4211.8	3347.7	2660.6
2.5°	12953.4	11588.1	10294.2	9070.3	8014.5	7051.9	6113.4	5172.3	4285.2	3412.0	2701.4
0°	13079.6	11655.2	10358.3	9146.7	8059.7	7073.9	6149.0	5199.4	4302.0	3439.3	2718.4
-2.5°	13054.3	11612.7	10303.6	9144.4	8062.6	7053.4	6153.8	5214.1	4306.6	3459.7	2730.4
-5°	12920.0	11540.3	10241.1	9080.2	8014.8	7004.7	6105.5	5182.2	4272.8	3443.4	2719.0
-7.5°	12648.0	11322.9	10062.6	8933.1	7892.1	6904.3	6007.6	5103.9	4204.4	3387.3	2685.1
-10°	12239.0	10975.5	9776.8	8708.0	7693.7	6740.2	5862.3	4971.7	4091.5	3295.0	2626.3
-12.5°	11732.8	10539.8	9396.9	8402.0	7433.8	6523.2	5665.5	4785.3	3934.5	3166.9	2542.4
-15°	11114.0	10043.3	9009.8	8045.1	7129.4	6247.6	5410.0	4553.2	3734.9	3001.9	2433.6
-17.5°	10486.5	9492.6	8523.0	7607.6	6758.7	5921.4	5109.0	4295.2	3512.2	2824.0	2306.2
-20°	9788.1	8870.1	7973.4	7142.9	6351.5	5556.1	4773.4	3990.7	3257.2	2657.5	2193.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627262 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-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°	9030.0	8210.2	7398.3	6649.3	5908.7	5146.3	4397.1	3658.3	2962.4	2470.7	2065.5
-25°	8262.5	7517.9	6790.2	6100.8	5406.5	4686.6	3994.4	3319.8	2744.5	2294.4	1927.4
-27.5°	7491.8	6817.6	6146.2	5509.0	4855.3	4221.1	3588.5	2977.0	2508.5	2125.8	1798.7
-30°	6730.0	6120.9	5506.4	4898.0	4306.6	3727.4	3161.9	2698.7	2291.5	1945.6	1654.8
-32.5°	5945.2	5415.4	4855.5	4285.2	3748.3	3236.9	2807.3	2417.0	2065.0	1779.6	1526.7
-35°	5182.1	4694.7	4179.5	3689.5	3214.3	2831.3	2467.5	2148.3	1866.8	1614.1	1398.9
-37.5°	4402.9	3963.0	3537.1	3126.3	2787.0	2463.1	2175.3	1914.7	1671.5	1470.5	1285.3
-40°	3668.7	3285.7	2979.7	2677.4	2408.5	2149.6	1922.5	1698.5	1510.7	1333.9	1174.4
-42.5°	3040.2	2771.3	2525.4	2297.3	2076.7	1885.6	1693.8	1519.6	1355.7	1207.5	1075.0
-45°	2531.9	2339.9	2139.9	1972.4	1802.0	1649.7	1496.5	1353.0	1215.3	1094.3	976.9
-47.5°	2129.5	1986.6	1836.0	1701.5	1574.0	1443.4	1324.0	1200.3	1093.5	985.8	887.9
-50°	1801.1	1695.4	1585.2	1476.5	1376.3	1269.6	1170.7	1073.3	979.3	890.0	800.8
-52.5°	1530.3	1453.8	1372.3	1285.8	1205.9	1122.9	1036.4	958.2	877.2	798.4	720.5
-55°	1315.7	1254.7	1192.9	1127.5	1060.8	992.8	922.2	851.8	782.1	710.4	651.6
-57.5°	1139.4	1088.0	1038.9	987.0	932.6	875.0	814.8	752.0	694.9	640.7	587.3
-60°	984.9	941.7	902.4	860.6	816.2	766.3	717.2	667.8	618.3	571.3	525.5
-62.5°	845.4	814.7	779.3	743.7	708.6	671.8	627.7	584.2	542.3	501.9	464.1
-65°	710.2	684.0	656.6	631.1	602.9	571.5	534.2	500.2	467.3	434.0	402.8
-67.5°	590.4	570.3	548.3	525.5	503.1	478.0	450.5	422.2	395.9	368.6	345.3
-70°	491.8	477.1	460.0	439.7	419.3	398.8	377.8	355.6	331.6	307.2	288.4
-72.5°	409.6	398.9	385.5	368.6	350.6	332.6	314.0	294.3	273.1	250.5	232.4
-75°	338.3	330.3	320.1	305.2	289.3	272.5	256.1	238.1	217.5	194.3	176.0
-77.5°	271.8	266.7	260.2	248.0	235.6	223.1	208.7	187.7	166.8	147.1	133.6
-80°	203.8	201.6	197.7	187.4	177.0	166.4	154.8	138.8	123.6	109.4	98.4
-82.5°	134.4	131.9	128.7	122.5	116.4	110.6	104.6	93.8	83.3	73.0	64.1
-85°	68.1	66.1	64.1	63.1	61.8	60.4	58.6	52.4	46.5	41.0	36.0
-87.5°	19.7	19.7	19.7	19.9	20.1	20.1	20.1	18.7	17.2	15.7	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





REPORT NUMBER: P627262 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-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°	0.9	0.9	0.9	0.8	0.8	0.7	0.6	0.6	0.5	0.5	0.4
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.2	1.1	1.0	0.8
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.8	1.8	1.4	1.4
65°	1.4	1.4	1.5	2.1	1.9	1.4	1.4	2.7	2.3	2.0	1.4
62.5°	2.8	1.4	3.7	5.0	3.2	2.6	2.1	6.0	3.8	2.7	1.9
60°	6.5	5.3	10.1	15.4	11.1	4.3	6.3	10.3	9.5	3.4	2.7
57.5°	33.5	15.3	22.6	29.4	28.0	15.8	12.8	17.7	16.1	9.4	3.7
55°	69.5	59.1	47.0	46.8	47.3	37.4	26.6	27.5	24.3	17.2	5.5
52.5°	105.6	102.4	91.2	74.3	68.2	61.6	50.4	39.0	36.1	25.8	13.6
50°	150.6	142.4	133.5	116.2	94.2	85.5	74.0	59.5	49.2	36.1	22.5
47.5°	202.0	187.7	174.3	157.6	133.5	110.8	97.9	80.7	63.6	49.6	31.5
45°	282.3	235.7	217.6	198.2	173.4	145.0	122.7	101.7	82.4	63.1	40.5
42.5°	364.7	299.9	261.9	240.1	214.1	182.2	148.6	124.9	100.9	76.6	51.2
40°	447.7	367.4	309.9	282.6	256.3	219.2	181.5	149.2	119.0	90.7	62.9
37.5°	537.4	443.1	365.2	326.9	299.1	259.0	215.0	174.0	137.7	105.9	74.5
35°	648.9	532.8	425.4	378.0	340.7	299.7	248.1	201.0	159.9	121.1	85.9
32.5°	774.4	631.7	511.7	433.8	383.0	341.1	283.4	231.4	182.7	136.4	97.1
30°	899.1	733.6	593.5	489.0	428.1	379.8	321.0	262.0	206.0	151.6	108.5
27.5°	994.4	821.5	670.2	555.4	477.8	418.4	358.4	292.8	229.7	168.4	120.9
25°	1091.6	902.9	744.5	620.4	526.6	457.7	394.4	323.5	254.9	187.7	133.1
22.5°	1205.3	980.2	807.2	679.1	578.4	497.7	428.8	354.6	280.5	206.8	144.9
20°	1316.5	1051.4	865.0	747.7	634.9	542.3	462.5	384.3	305.5	225.6	156.4
17.5°	1430.4	1151.5	960.7	818.6	693.2	586.4	495.7	412.4	329.7	243.9	167.4
15°	1602.1	1285.4	1057.3	888.7	749.7	629.5	528.3	438.9	353.1	261.6	177.1
12.5°	1764.0	1411.4	1151.0	957.1	803.9	671.4	560.0	463.8	375.4	276.3	185.3
10°	1907.0	1528.7	1240.7	1023.2	855.3	711.6	590.3	483.3	388.6	288.0	192.6
7.5°	2031.5	1636.3	1325.3	1086.0	899.2	738.9	605.7	493.5	398.7	298.3	199.0
5°	2126.8	1709.5	1371.9	1111.1	915.7	751.3	616.7	501.7	406.7	307.1	204.5
2.5°	2158.2	1733.9	1390.3	1125.3	927.7	760.2	625.2	508.0	412.7	314.3	209.1
0°	2172.7	1745.7	1399.7	1133.4	935.1	765.7	631.1	512.4	416.9	319.9	212.8
-2.5°	2188.7	1761.7	1413.0	1146.0	942.9	773.2	637.3	519.2	422.9	326.2	218.9
-5°	2187.5	1764.7	1417.3	1152.1	945.9	777.2	640.9	524.0	427.3	330.7	224.1
-7.5°	2164.4	1751.0	1411.8	1150.9	944.2	777.7	641.9	526.9	429.9	333.6	228.1
-10°	2123.0	1722.7	1395.9	1140.5	938.0	774.3	640.3	527.8	431.0	334.9	231.0
-12.5°	2064.8	1682.2	1370.4	1123.4	926.9	767.0	635.6	525.3	430.3	334.5	232.6
-15°	1990.0	1630.2	1335.0	1099.8	910.7	756.2	628.1	520.2	426.6	332.1	232.9
-17.5°	1899.5	1567.1	1289.9	1069.7	889.6	741.9	617.8	513.1	421.5	327.8	232.5
-20°	1815.5	1500.5	1237.9	1033.2	863.5	724.1	604.6	504.1	415.1	322.4	231.4

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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°	1721.6	1431.4	1191.8	998.2	835.9	702.9	588.5	493.2	407.6	316.1	229.3
-25°	1614.1	1353.0	1139.0	959.2	809.0	682.5	572.1	480.3	398.9	308.8	226.2
-27.5°	1513.1	1272.2	1080.0	914.3	778.0	659.1	555.8	468.5	388.9	300.8	222.2
-30°	1410.0	1201.9	1023.4	867.2	743.7	633.0	537.5	455.7	377.6	293.7	217.3
-32.5°	1305.3	1125.2	962.7	826.5	710.6	604.9	517.5	442.1	365.8	286.7	213.2
-35°	1215.2	1049.8	897.6	782.6	676.6	581.0	497.5	427.6	353.6	278.7	208.7
-37.5°	1119.4	973.2	846.9	739.0	640.1	554.9	478.4	410.5	341.1	269.8	203.4
-40°	1033.6	901.8	792.4	696.9	607.3	526.7	457.1	392.3	329.4	260.1	197.1
-42.5°	946.2	837.0	739.2	651.5	574.4	500.8	433.9	372.9	314.2	251.0	189.9
-45°	869.8	770.5	684.1	610.4	539.9	472.6	411.2	352.7	298.0	241.8	182.4
-47.5°	790.7	706.4	632.7	567.4	506.1	443.4	387.3	334.0	281.2	231.4	174.7
-50°	716.9	645.8	584.4	525.9	468.7	416.0	363.3	314.8	265.9	217.8	166.1
-52.5°	651.3	592.0	537.4	484.2	435.0	387.4	341.8	295.2	249.9	204.3	156.6
-55°	593.4	540.5	491.3	445.3	401.2	361.9	319.9	276.8	233.2	190.3	146.4
-57.5°	537.9	490.2	448.5	407.5	370.0	335.7	298.5	257.7	216.4	175.7	137.3
-60°	482.1	443.7	406.6	372.2	339.7	308.7	277.0	238.1	199.1	160.6	126.4
-62.5°	428.6	396.4	367.9	337.6	307.9	280.5	254.8	217.8	181.0	145.7	114.2
-65°	376.1	351.5	328.4	300.0	274.1	251.3	230.0	196.7	161.9	129.9	101.5
-67.5°	324.1	303.8	283.2	260.1	240.9	222.3	203.5	173.4	141.7	113.1	88.7
-70°	271.6	254.5	239.7	225.1	209.2	192.8	174.0	148.3	120.6	97.3	75.4
-72.5°	220.3	209.7	200.9	190.6	177.1	161.6	143.9	123.0	101.4	81.0	61.7
-75°	169.6	167.5	164.8	158.1	145.2	130.6	116.4	100.3	81.8	64.2	50.3
-77.5°	133.6	132.7	130.9	126.2	114.9	103.0	90.7	77.2	63.1	51.0	39.5
-80°	99.0	98.8	98.0	95.1	85.4	75.4	66.8	58.1	47.8	37.9	28.5
-82.5°	65.0	66.0	66.4	65.6	59.0	52.6	46.4	40.2	32.2	24.6	19.1
-85°	37.2	37.8	38.0	37.6	33.5	29.6	27.0	24.3	20.1	16.2	12.8
-87.5°	15.4	16.3	17.0	17.4	16.1	14.8	13.5	12.2	10.1	8.1	6.4
-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):**

	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	0.3	0.2	0.2	0.1	0.1	0.0
85°	0.7	0.6	0.5	0.4	0.2	0.1	0.0
82.5°	1.1	0.9	0.7	0.5	0.4	0.2	0.0
80°	1.4	1.2	1.0	0.7	0.5	0.2	0.0
77.5°	1.4	1.4	1.2	0.9	0.6	0.3	0.0
75°	1.4	1.4	1.4	1.1	0.7	0.4	0.0
72.5°	1.4	1.4	1.4	1.3	0.8	0.4	0.0
70°	1.4	1.4	1.4	1.4	1.0	0.5	0.0
67.5°	1.5	1.4	1.4	1.4	1.1	0.5	0.0
65°	1.7	1.6	1.4	1.4	1.2	0.6	0.0
62.5°	1.9	1.9	1.4	1.4	1.3	0.6	0.0
60°	2.2	2.3	1.4	1.4	1.4	0.7	0.0
57.5°	3.9	2.7	1.8	1.4	1.4	0.8	0.0
55°	6.0	3.2	2.3	1.4	1.4	0.8	0.0
52.5°	8.3	4.0	2.7	1.4	1.5	0.9	0.0
50°	11.0	6.5	3.2	1.4	1.5	0.9	0.0
47.5°	14.7	9.2	3.7	1.5	1.5	0.9	0.0
45°	22.5	12.0	4.3	1.9	1.6	1.0	0.0
42.5°	30.3	15.0	4.8	2.3	1.6	1.0	0.0
40°	38.1	18.2	6.3	2.8	1.7	1.1	0.0
37.5°	45.8	21.5	8.8	3.5	1.7	1.1	0.0
35°	53.5	26.7	11.3	4.1	1.8	1.1	0.0
32.5°	61.5	32.8	13.8	4.9	1.9	1.2	0.0
30°	70.6	38.6	16.4	5.7	1.9	1.2	0.0
27.5°	79.4	44.4	19.3	6.5	2.0	1.2	0.0
25°	87.8	49.9	22.2	7.3	2.1	1.3	0.0
22.5°	96.0	55.2	25.0	8.2	2.2	1.3	0.0
20°	103.7	60.4	27.8	9.1	2.3	1.3	0.0
17.5°	110.8	65.3	30.4	10.1	2.4	1.3	0.0
15°	117.4	69.9	33.0	11.0	2.4	1.4	0.0
12.5°	123.4	74.2	35.4	11.9	2.5	1.4	0.0
10°	128.9	78.0	37.6	12.8	2.6	1.4	0.0
7.5°	133.7	81.6	39.7	13.6	2.7	1.4	0.0
5°	138.0	84.7	41.7	14.4	2.8	1.4	0.0
2.5°	141.7	87.4	43.4	15.2	2.8	1.4	0.0
0°	144.7	89.7	44.9	15.9	2.9	1.4	0.0
-2.5°	148.6	92.5	47.0	16.9	3.3	1.5	0.0
-5°	151.9	94.9	48.8	17.8	3.8	1.6	0.0
-7.5°	154.5	96.8	50.3	18.7	4.2	1.7	0.0
-10°	156.3	98.3	51.6	19.4	4.6	1.8	0.0
-12.5°	157.5	99.2	52.5	20.0	5.0	1.8	0.0
-15°	157.8	99.7	53.1	20.5	5.3	1.9	0.0
-17.5°	157.3	99.6	53.4	20.9	5.6	2.0	0.0
-20°	156.9	99.1	53.4	21.2	5.9	2.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	157.0	98.0	52.9	21.3	6.2	2.1	0.0
-25°	156.2	97.6	52.1	21.3	6.4	2.1	0.0
-27.5°	154.8	97.2	50.9	21.2	6.6	2.1	0.0
-30°	152.5	96.2	49.4	20.9	6.8	2.2	0.0
-32.5°	149.4	94.6	48.8	20.4	6.9	2.2	0.0
-35°	146.5	92.3	47.8	19.8	7.0	2.2	0.0
-37.5°	143.2	89.8	46.3	19.1	7.0	2.2	0.0
-40°	139.1	87.6	44.5	18.2	7.0	2.2	0.0
-42.5°	134.1	84.9	43.1	17.3	6.9	2.1	0.0
-45°	128.4	81.6	42.3	16.7	6.8	2.1	0.0
-47.5°	122.0	77.7	41.0	15.8	6.6	2.0	0.0
-50°	116.3	73.3	39.3	15.5	6.4	2.0	0.0
-52.5°	110.2	68.4	37.1	15.3	6.2	1.9	0.0
-55°	103.4	64.3	34.6	14.9	5.9	1.8	0.0
-57.5°	95.9	60.0	31.6	14.3	5.6	1.7	0.0
-60°	88.0	55.0	28.3	13.5	5.2	1.7	0.0
-62.5°	80.3	49.5	26.4	12.6	4.9	1.5	0.0
-65°	71.8	43.4	24.1	11.4	4.6	1.4	0.0
-67.5°	62.6	38.0	21.6	10.2	4.2	1.3	0.0
-70°	52.8	33.3	18.8	8.8	3.8	1.2	0.0
-72.5°	44.9	28.3	15.7	7.7	3.4	1.1	0.0
-75°	36.8	22.9	12.5	6.8	2.9	0.9	0.0
-77.5°	28.4	17.3	10.3	5.7	2.5	0.8	0.0
-80°	19.6	13.2	8.4	4.6	2.0	0.6	0.0
-82.5°	14.4	10.0	6.3	3.5	1.5	0.5	0.0
-85°	9.7	6.7	4.2	2.4	1.0	0.3	0.0
-87.5°	4.9	3.4	2.1	1.2	0.5	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)