

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: P627322 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4B-727-U-WR-VSR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P627322 (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-SA4B-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: -

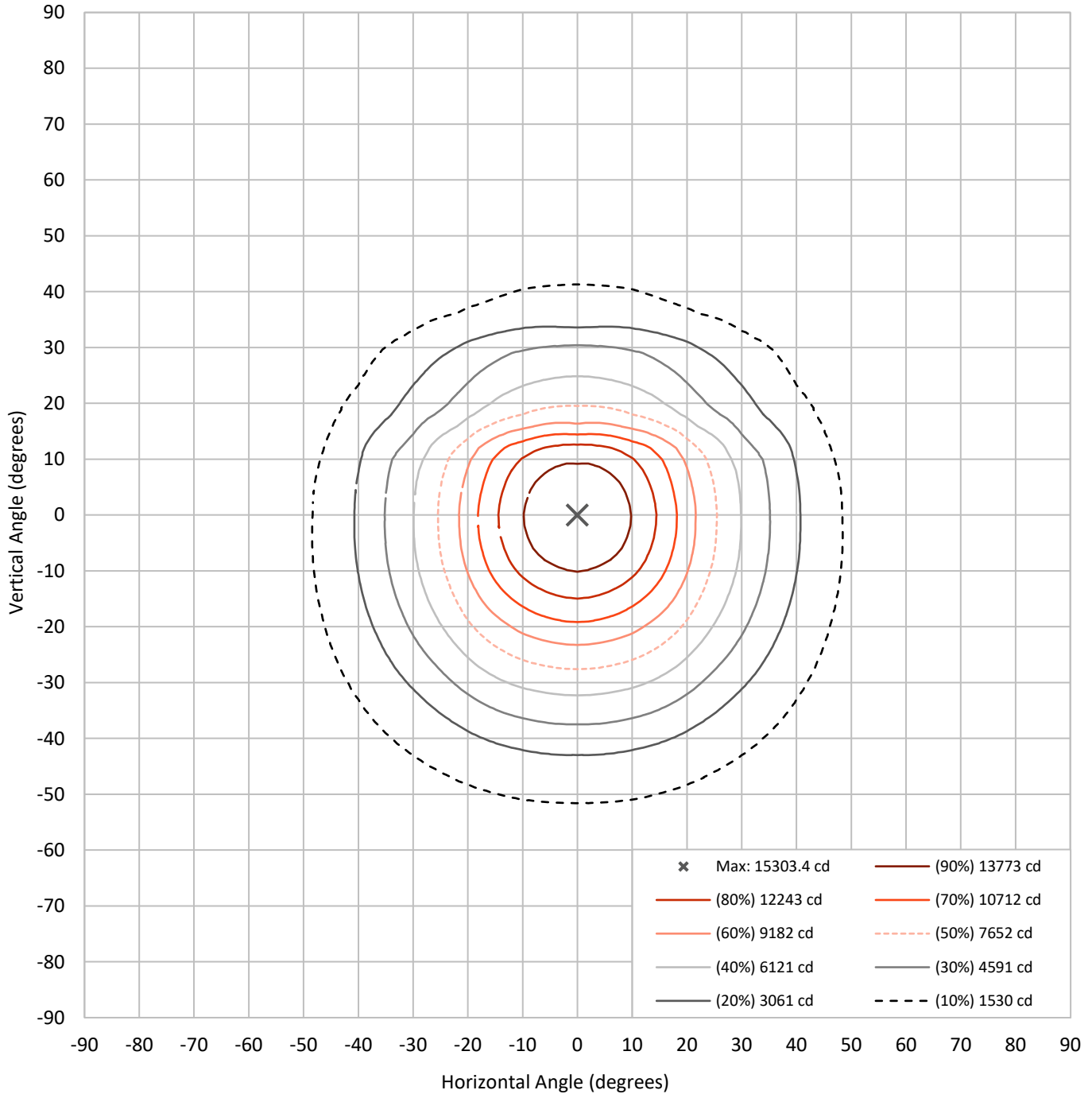
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	13500.9 lumens	Max Intensity:	15303.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	104.3 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	50.9°H x 47.1°V	Field Angle (10%):	96.7°H x 92.9°V
Beam Lumens:	6500.1 lumens	Field Lumens:	12087.9 lumens
Beam Efficiency:	48.1%	Field Efficiency:	89.5%
Input Watts (W):	129.5		
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1		
50		0.3	0.7	1.3	2.1	3.1	4.2	4.8	4.8	4.2	3.1	2.1	1.3	0.7	0.3				
40	0.6	1.0	2.6	5.5	10.0	16.5	23.8	29.2	29.2	23.8	16.5	10.0	5.5	2.6	1.0		0.6		
30		2.0	5.3	12.2	25.2	46.3	70.8	85.1	85.1	70.8	46.3	25.2	12.2	5.3	2.0				
20	1.5	3.2	8.6	22.2	52.4	98.5	149.9	180.6	180.6	149.9	98.5	52.4	22.2	8.6	3.2		1.5		
10		4.4	12.2	34.7	86.3	159.5	249.3	308.2	308.2	249.3	159.5	86.3	34.7	12.2	4.4				
0	2.1	5.1	15.3	45.0	113.3	211.2	339.0	429.9	429.9	339.0	211.2	113.3	45.0	15.3	5.1		2.1		
-10		5.3	15.9	46.4	114.9	214.2	342.5	432.5	432.5	342.5	214.2	114.9	46.4	15.9	5.3				
-20	2.2	5.2	15.1	41.3	101.8	188.1	289.9	357.8	357.8	289.9	188.1	101.8	41.3	15.1	5.2		2.2		
-30		4.8	13.1	32.4	76.0	141.8	211.3	253.4	253.4	211.3	141.8	76.0	32.4	13.1	4.8				
-40	1.9	4.2	10.6	23.4	47.8	88.0	132.7	158.0	158.0	132.7	88.0	47.8	23.4	10.6	4.2		1.9		
-50		3.5	8.2	16.2	28.7	46.1	66.1	78.6	78.6	66.1	46.1	28.7	16.2	8.2	3.5				
-60	1.2	2.7	6.0	10.8	17.6	25.2	32.7	36.9	36.9	32.7	25.2	17.6	10.8	6.0	2.7		1.2		
-70		1.9	4.0	6.6	10.2	13.9	17.0	18.5	18.5	17.0	13.9	10.2	6.6	4.0	1.9				
-80	0.3	3.8	9.9	17.7	16.2	17.7	9.9	3.8	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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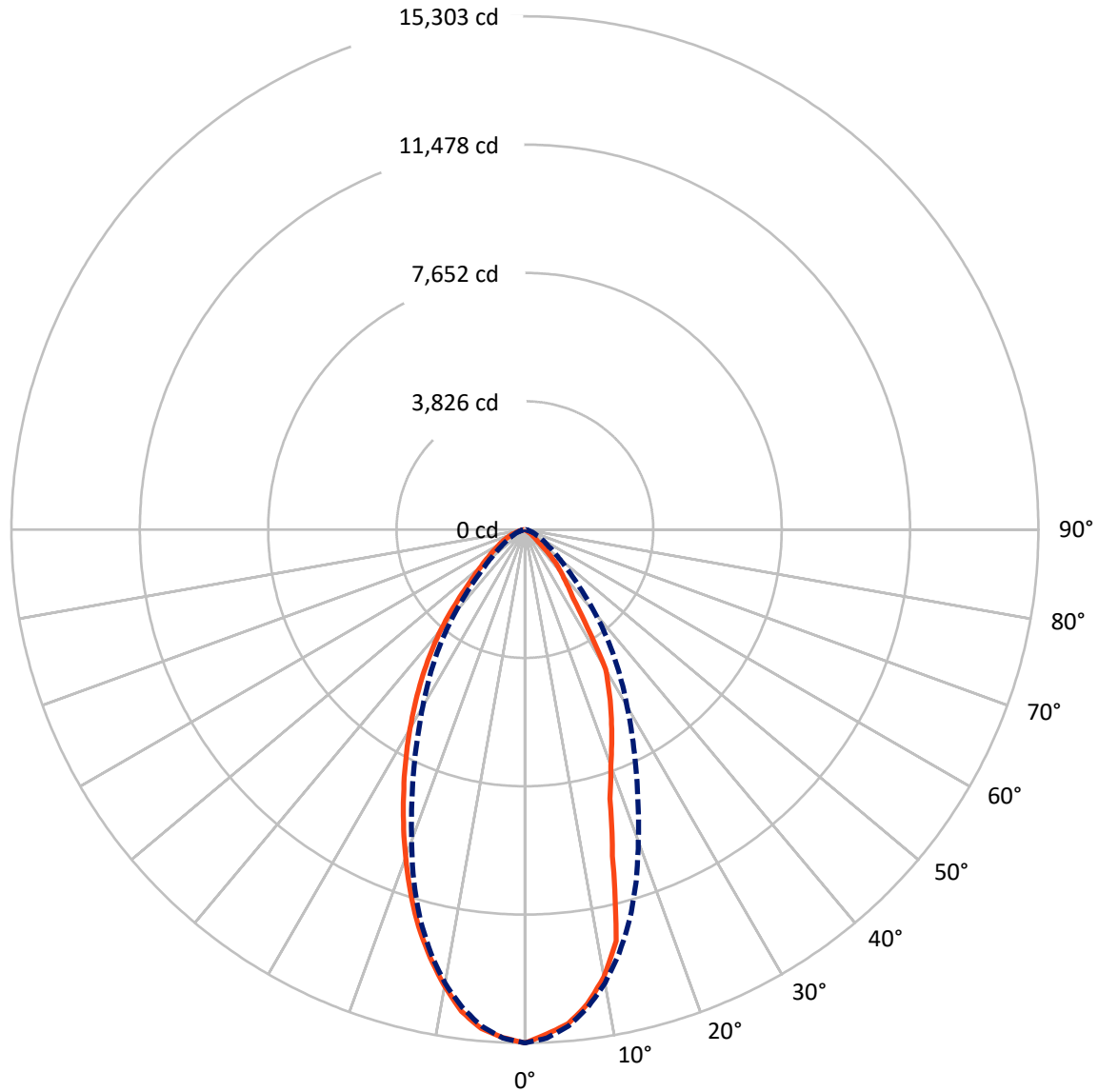
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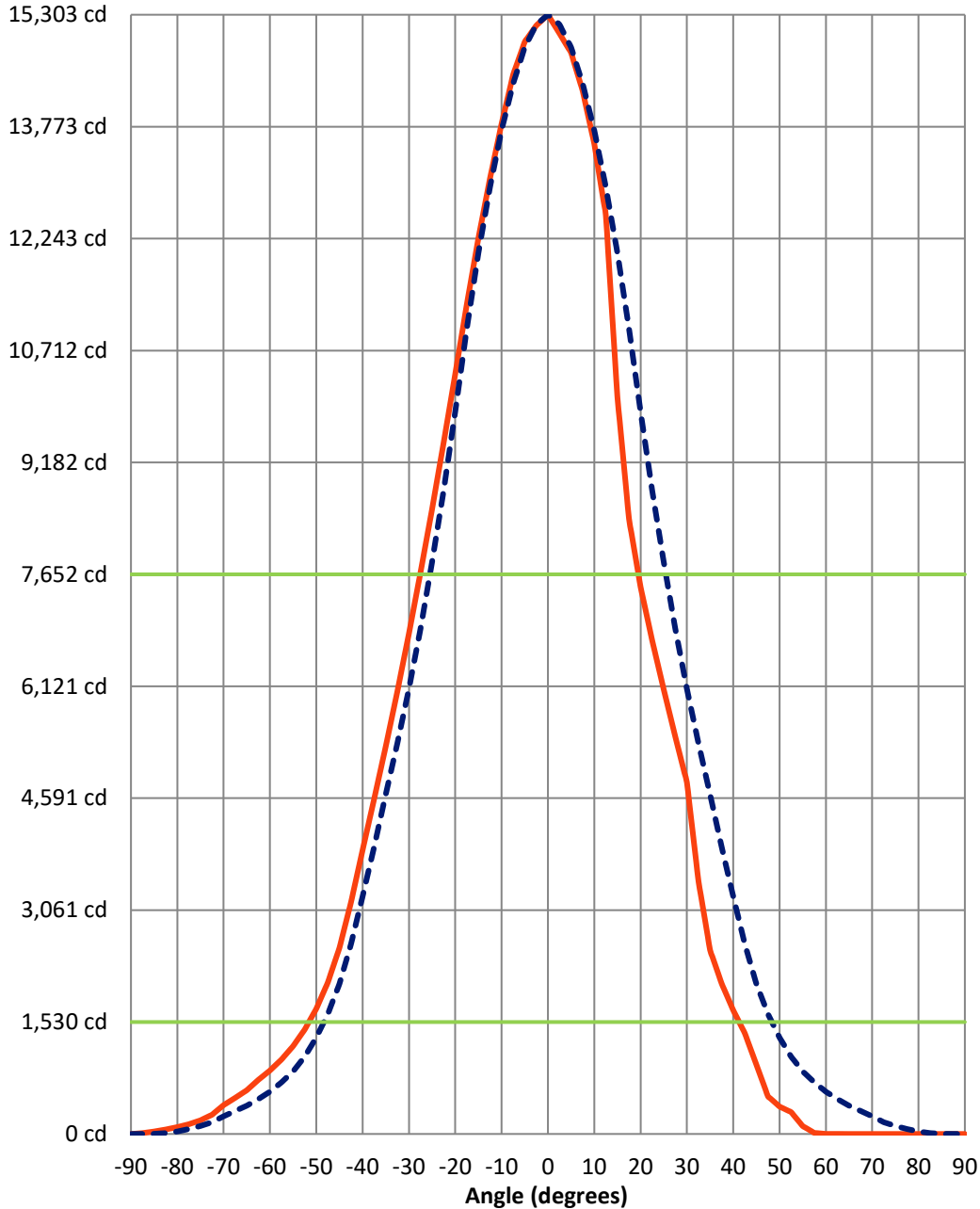
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 50.9°  
 V Angle: 47.1°  
 Lumens: 6500.1  
 Efficiency: 48.1%

**Field:**  
 H Angle: 96.7°  
 V Angle: 92.9°  
 Lumens: 12087.9  
 Efficiency: 89.5%

**Spill:**  
 Lumens: 1413  
 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	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5
85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.9
82.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.1	1.1
80°	0.0	0.2	0.4	0.6	0.8	0.9	1.1	1.1	1.1	1.1	1.1
77.5°	0.0	0.2	0.5	0.7	0.9	1.1	1.1	1.1	1.1	1.1	1.1
75°	0.0	0.3	0.6	0.9	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72.5°	0.0	0.3	0.7	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70°	0.0	0.4	0.8	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2
67.5°	0.0	0.4	0.8	1.1	1.1	1.1	1.2	1.1	1.1	1.4	1.4
65°	0.0	0.5	0.9	1.1	1.1	1.2	1.3	1.1	1.6	1.8	2.1
62.5°	0.0	0.5	1.0	1.1	1.1	1.5	1.5	1.5	2.1	2.9	4.6
60°	0.0	0.5	1.1	1.1	1.1	1.8	1.7	2.1	2.6	7.2	7.8
57.5°	0.0	0.6	1.1	1.1	1.4	2.1	3.0	2.8	7.1	12.2	13.4
55°	0.0	0.6	1.1	1.1	1.7	2.4	4.5	4.2	13.1	18.4	20.8
52.5°	0.0	0.7	1.1	1.1	2.1	3.0	6.3	10.3	19.5	27.3	29.4
50°	0.0	0.7	1.2	1.1	2.5	4.9	8.4	17.0	27.2	37.1	44.9
47.5°	0.0	0.7	1.2	1.2	2.8	7.0	11.2	23.8	37.4	48.0	60.9
45°	0.0	0.8	1.2	1.5	3.2	9.1	17.1	30.6	47.6	62.2	76.8
42.5°	0.0	0.8	1.3	1.8	3.7	11.4	23.0	38.7	57.8	76.2	94.3
40°	0.0	0.8	1.3	2.2	4.8	13.8	28.8	47.5	68.4	89.9	112.7
37.5°	0.0	0.9	1.4	2.6	6.7	16.3	34.6	56.2	79.9	104.0	131.5
35°	0.0	0.9	1.4	3.2	8.6	20.2	40.4	64.8	91.4	120.7	151.8
32.5°	0.0	0.9	1.4	3.7	10.5	24.8	46.5	73.3	103.0	138.0	174.8
30°	0.0	1.0	1.5	4.3	12.4	29.2	53.3	81.9	114.5	155.6	197.9
27.5°	0.0	1.0	1.6	4.9	14.6	33.6	60.0	91.3	127.2	173.5	221.1
25°	0.0	1.0	1.6	5.6	16.8	37.7	66.4	100.5	141.8	192.5	244.3
22.5°	0.0	1.0	1.7	6.2	19.0	41.8	72.5	109.4	156.2	211.8	267.8
20°	0.0	1.0	1.7	6.9	21.0	45.7	78.3	118.1	170.4	230.7	290.2
17.5°	0.0	1.0	1.8	7.6	23.0	49.4	83.7	126.4	184.2	249.0	311.5
15°	0.0	1.1	1.9	8.3	24.9	52.9	88.7	133.8	197.6	266.7	331.5
12.5°	0.0	1.1	1.9	9.0	26.7	56.1	93.2	140.0	208.7	283.5	350.2
10°	0.0	1.1	2.0	9.6	28.4	59.0	97.3	145.5	217.5	293.5	365.0
7.5°	0.0	1.1	2.0	10.3	30.0	61.7	101.0	150.3	225.3	301.0	372.7
5°	0.0	1.1	2.1	10.9	31.5	64.0	104.2	154.5	231.9	307.1	378.9
2.5°	0.0	1.1	2.1	11.5	32.8	66.1	107.0	157.9	237.4	311.6	383.7
0°	0.0	1.1	2.2	12.0	33.9	67.8	109.3	160.7	241.6	314.8	387.0
-2.5°	0.0	1.2	2.5	12.8	35.5	69.9	112.3	165.3	246.3	319.4	392.1
-5°	0.0	1.2	2.9	13.5	36.8	71.7	114.8	169.2	249.8	322.6	395.7
-7.5°	0.0	1.3	3.2	14.1	38.0	73.2	116.7	172.2	252.0	324.7	397.9
-10°	0.0	1.4	3.5	14.6	38.9	74.2	118.1	174.4	252.9	325.5	398.6
-12.5°	0.0	1.4	3.8	15.1	39.7	75.0	118.9	175.6	252.6	325.0	396.7
-15°	0.0	1.5	4.0	15.5	40.1	75.3	119.2	175.9	250.8	322.2	392.9
-17.5°	0.0	1.5	4.3	15.8	40.3	75.3	118.8	175.6	247.5	318.3	387.5
-20°	0.0	1.6	4.5	16.0	40.3	74.8	118.5	174.7	243.5	313.5	380.7

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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	1.6	4.7	16.1	40.0	74.0	118.5	173.2	238.7	307.8	372.5
-25°	0.0	1.6	4.9	16.1	39.3	73.7	118.0	170.9	233.2	301.2	362.7
-27.5°	0.0	1.7	5.0	16.0	38.4	73.4	116.9	167.8	227.1	293.7	353.8
-30°	0.0	1.7	5.1	15.7	37.3	72.7	115.1	164.1	221.8	285.1	344.2
-32.5°	0.0	1.7	5.2	15.4	36.8	71.4	112.8	161.0	216.5	276.2	333.8
-35°	0.0	1.7	5.3	15.0	36.1	69.7	110.6	157.6	210.5	267.0	322.9
-37.5°	0.0	1.7	5.3	14.4	35.0	67.8	108.1	153.6	203.8	257.6	310.0
-40°	0.0	1.7	5.3	13.7	33.6	66.2	105.0	148.8	196.4	248.8	296.3
-42.5°	0.0	1.6	5.2	13.1	32.6	64.1	101.3	143.4	189.6	237.3	281.6
-45°	0.0	1.6	5.1	12.6	31.9	61.6	97.0	137.7	182.6	225.0	266.4
-47.5°	0.0	1.6	5.0	11.9	31.0	58.7	92.1	132.0	174.7	212.3	252.3
-50°	0.0	1.5	4.9	11.7	29.7	55.3	87.8	125.5	164.5	200.8	237.7
-52.5°	0.0	1.5	4.7	11.5	28.0	51.6	83.2	118.3	154.3	188.7	223.0
-55°	0.0	1.4	4.5	11.2	26.1	48.6	78.0	110.6	143.7	176.1	209.1
-57.5°	0.0	1.3	4.2	10.8	23.8	45.3	72.4	103.7	132.6	163.5	194.7
-60°	0.0	1.3	4.0	10.2	21.4	41.5	66.4	95.4	121.3	150.3	179.8
-62.5°	0.0	1.2	3.7	9.5	19.9	37.3	60.6	86.2	110.0	136.6	164.5
-65°	0.0	1.1	3.5	8.6	18.2	32.8	54.2	76.6	98.0	122.2	148.5
-67.5°	0.0	1.0	3.2	7.7	16.3	28.7	47.2	67.0	85.4	107.0	130.9
-70°	0.0	0.9	2.9	6.6	14.2	25.1	39.8	56.9	73.5	91.0	112.0
-72.5°	0.0	0.8	2.6	5.9	11.9	21.3	33.8	46.6	61.1	76.6	92.9
-75°	0.0	0.7	2.2	5.1	9.4	17.3	27.8	38.0	48.5	61.8	75.8
-77.5°	0.0	0.6	1.9	4.3	7.8	13.0	21.4	29.8	38.5	47.7	58.3
-80°	0.0	0.5	1.5	3.5	6.3	10.0	14.8	21.6	28.7	36.1	43.9
-82.5°	0.0	0.4	1.1	2.7	4.8	7.5	10.9	14.4	18.6	24.4	30.4
-85°	0.0	0.2	0.8	1.8	3.2	5.1	7.3	9.7	12.3	15.2	18.4
-87.5°	0.0	0.1	0.4	0.9	1.6	2.5	3.7	4.8	6.2	7.6	9.2
-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°	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.9
85°	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.9
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.9	0.6
65°	1.1	1.1	1.5	1.6	1.2	1.1	1.1	1.1	1.2	1.0	1.0
62.5°	1.6	2.0	2.5	3.8	2.8	1.1	2.2	2.5	1.7	1.4	1.5
60°	4.8	3.3	8.4	11.7	7.6	4.1	5.0	9.9	8.2	2.2	5.8
57.5°	9.7	11.9	21.2	22.2	17.1	11.6	25.3	28.0	23.3	14.6	21.1
55°	20.1	28.2	35.7	35.3	35.5	44.6	52.5	51.5	45.5	62.7	78.9
52.5°	38.1	46.5	51.5	56.1	68.8	77.3	79.8	84.6	102.4	123.7	127.6
50°	55.8	64.6	71.1	87.7	100.8	107.5	113.7	130.0	157.0	171.6	174.0
47.5°	73.9	83.6	100.8	119.0	131.6	141.7	152.5	189.6	219.7	232.2	236.7
45°	92.7	109.5	131.0	149.6	164.3	178.0	213.1	263.8	285.0	304.1	352.6
42.5°	112.2	137.6	161.7	181.2	197.8	226.5	275.4	324.5	354.8	395.4	454.1
40°	137.1	165.5	193.5	213.4	234.0	277.5	338.1	390.0	422.0	476.5	543.4
37.5°	162.4	195.6	225.8	246.8	275.8	334.6	405.8	468.0	507.7	552.1	659.6
35°	187.4	226.3	257.3	285.4	321.2	402.3	490.1	559.2	608.4	684.4	820.4
32.5°	214.0	257.5	289.2	327.6	386.4	477.1	584.8	661.6	743.1	852.4	1070.3
30°	242.4	286.8	323.2	369.3	448.2	554.0	679.0	775.5	886.1	1063.7	1298.6
27.5°	270.6	315.9	360.8	419.4	506.1	620.4	750.9	903.1	1046.0	1244.6	1501.3
25°	297.8	345.7	397.7	468.5	562.2	681.8	824.4	999.9	1186.5	1413.6	1715.0
22.5°	323.8	375.8	436.8	512.8	609.6	740.2	910.2	1116.4	1340.5	1575.8	1922.3
20°	349.2	409.5	479.4	564.6	653.2	794.0	994.1	1243.8	1524.7	1847.0	2186.5
17.5°	374.4	442.8	523.5	618.2	725.5	869.6	1080.2	1377.4	1719.3	2138.8	2556.8
15°	399.0	475.4	566.1	671.1	798.4	970.7	1209.9	1536.6	1949.6	2452.0	2947.0
12.5°	422.9	507.1	607.0	722.8	869.2	1065.8	1332.1	1684.5	2157.8	2757.9	3366.2
10°	445.8	537.4	645.9	772.7	936.9	1154.4	1440.1	1812.5	2314.9	2933.4	3609.8
7.5°	457.4	558.0	679.0	820.2	1000.9	1235.6	1534.1	1920.7	2437.6	3074.4	3752.7
5°	465.8	567.4	691.5	839.1	1036.0	1290.9	1606.0	2009.2	2528.1	3180.5	3849.5
2.5°	472.2	574.2	700.5	849.8	1049.9	1309.4	1629.8	2040.0	2576.6	3236.0	3905.9
0°	476.6	578.3	706.1	855.9	1057.0	1318.3	1640.7	2052.8	2597.2	3248.7	3926.4
-2.5°	481.3	583.9	712.0	865.4	1067.0	1330.4	1652.8	2061.9	2612.7	3252.2	3937.5
-5°	484.0	586.9	714.3	870.0	1070.3	1332.7	1652.0	2053.3	2600.4	3226.7	3913.4
-7.5°	484.7	587.3	713.1	869.1	1066.2	1322.3	1634.5	2027.6	2558.0	3175.1	3854.3
-10°	483.6	584.7	708.4	861.2	1054.2	1300.9	1603.3	1983.2	2488.3	3089.8	3754.5
-12.5°	480.0	579.2	699.9	848.4	1034.8	1270.4	1559.3	1919.9	2391.5	2971.2	3613.7
-15°	474.3	571.1	687.8	830.5	1008.1	1231.1	1502.8	1837.8	2266.9	2820.5	3438.4
-17.5°	466.5	560.3	671.8	807.8	974.1	1183.4	1434.4	1741.6	2132.5	2652.3	3243.6
-20°	456.6	546.8	652.1	780.2	934.8	1133.1	1371.0	1656.4	2006.8	2459.7	3013.6

Classified

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

Scaled Data Report



REPORT NUMBER: P627322 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4B-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°	444.5	530.8	631.2	753.8	900.0	1080.9	1300.0	1559.8	1865.8	2237.1	2762.6
-25°	432.0	515.4	610.9	724.4	860.2	1021.7	1218.9	1455.6	1732.7	2072.5	2507.0
-27.5°	419.7	497.8	587.5	690.5	815.6	960.7	1142.6	1358.3	1605.3	1894.3	2248.1
-30°	405.9	478.0	561.6	654.9	772.9	907.6	1064.8	1249.6	1469.2	1730.4	2037.9
-32.5°	390.8	456.9	536.6	624.1	727.1	849.8	985.7	1152.9	1343.9	1559.4	1825.2
-35°	375.7	438.8	510.9	591.0	677.9	792.8	917.7	1056.4	1218.9	1409.7	1622.3
-37.5°	361.3	419.0	483.4	558.1	639.6	735.0	845.4	970.6	1110.5	1262.2	1445.9
-40°	345.2	397.7	458.7	526.3	598.3	681.1	780.6	886.9	1007.3	1140.8	1282.7
-42.5°	327.7	378.2	433.8	492.0	558.2	632.0	714.6	811.8	911.9	1023.8	1147.6
-45°	310.5	356.9	407.8	461.0	516.6	581.8	656.8	737.8	826.4	917.7	1021.7
-47.5°	292.5	334.8	382.2	428.5	477.8	533.5	597.1	670.5	744.5	825.8	906.4
-50°	274.4	314.1	353.9	397.2	441.3	487.7	541.4	604.7	672.1	739.5	810.5
-52.5°	258.2	292.6	328.5	365.6	405.9	447.1	491.9	544.1	602.9	662.4	723.6
-55°	241.6	273.3	303.0	336.3	371.0	408.2	448.1	492.0	536.4	590.6	643.3
-57.5°	225.5	253.6	279.4	307.7	338.7	370.2	406.2	443.6	483.9	524.8	567.8
-60°	209.3	233.1	256.6	281.1	307.0	335.1	364.0	396.8	431.4	467.0	504.3
-62.5°	192.5	211.9	232.5	254.9	277.8	299.4	323.7	350.5	379.0	409.5	441.2
-65°	173.7	189.8	207.0	226.5	248.0	265.4	284.0	304.2	327.8	352.9	377.7
-67.5°	153.6	167.9	182.0	196.5	213.9	229.4	244.8	260.8	278.4	299.0	318.9
-70°	131.3	145.5	157.9	170.0	181.0	192.2	205.1	217.8	232.0	250.4	268.6
-72.5°	108.7	122.0	133.7	143.9	151.7	158.4	166.4	175.5	189.2	206.2	222.2
-75°	87.9	98.7	109.6	119.4	124.5	126.5	128.1	133.0	146.7	164.3	179.8
-77.5°	68.5	77.8	86.8	95.3	98.9	100.2	100.9	100.9	111.1	126.0	141.7
-80°	50.4	56.9	64.5	71.8	74.0	74.6	74.7	74.3	82.6	93.3	104.8
-82.5°	35.1	39.7	44.6	49.5	50.2	49.8	49.1	48.4	55.1	62.9	70.8
-85°	20.4	22.4	25.4	28.4	28.7	28.6	28.1	27.2	30.9	35.1	39.6
-87.5°	10.2	11.2	12.2	13.2	12.8	12.3	11.6	10.8	11.9	13.0	14.1
-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: P627322 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-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°	0.9	0.7	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.1	0.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.1	0.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.1	0.9	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1.1	0.9	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.1	0.9	0.6	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.1	1.0	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.5	0.6	0.6	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.1	1.1	0.8	0.5	0.3	0.2	0.3	0.2	0.1	0.0	0.0
62.5°	1.4	1.4	1.0	0.9	1.0	1.1	0.9	0.8	0.7	0.8	0.9
60°	6.2	3.5	3.6	4.6	3.9	1.8	3.6	4.5	4.2	3.2	2.8
57.5°	31.4	26.3	18.3	30.7	31.7	22.1	23.9	31.3	30.3	23.4	23.3
55°	79.0	80.2	86.1	93.9	99.6	102.3	104.6	116.4	129.0	141.3	147.4
52.5°	130.6	145.8	164.8	177.4	186.2	204.2	229.4	241.0	252.2	265.0	274.3
50°	192.3	218.8	237.9	240.7	270.6	290.1	294.7	316.4	340.0	354.8	365.3
47.5°	286.1	319.7	336.3	346.9	383.4	423.3	423.4	435.9	495.1	526.0	541.0
45°	412.1	440.1	469.5	545.8	616.1	638.3	686.0	750.6	792.6	850.4	913.9
42.5°	519.4	571.9	645.6	729.7	800.1	858.7	929.5	1007.1	1100.4	1188.1	1263.8
40°	625.6	690.6	781.8	873.3	961.9	1043.1	1157.3	1257.1	1367.2	1487.8	1588.3
37.5°	764.1	847.4	941.6	1057.0	1194.9	1285.0	1442.1	1585.6	1709.5	1855.2	1944.9
35°	976.9	1085.4	1168.8	1402.0	1569.8	1675.2	1861.2	2097.0	2187.5	2371.0	2458.0
32.5°	1244.4	1388.6	1608.2	1917.0	2141.1	2335.1	2613.1	2852.3	3056.2	3240.5	3432.2
30°	1544.9	1767.6	2091.3	2501.5	2729.1	3001.0	3376.8	3660.5	3980.3	4331.4	4454.4
27.5°	1817.7	2151.2	2527.0	2859.3	3186.2	3524.7	3894.1	4258.5	4604.7	4896.9	5092.9
25°	2070.6	2474.4	2839.7	3194.7	3549.0	3930.2	4348.0	4761.3	5142.2	5442.8	5671.3
22.5°	2331.3	2758.0	3148.7	3509.0	3921.1	4353.1	4797.4	5271.5	5705.0	6016.8	6265.8
20°	2576.5	3051.0	3496.7	3907.0	4296.5	4795.2	5306.7	5809.7	6281.8	6653.2	6940.3
17.5°	2965.7	3377.6	3922.3	4455.3	4894.1	5352.3	6035.8	6554.8	7078.7	7523.6	7827.9
15°	3443.6	3896.6	4459.0	5191.0	5792.3	6317.2	7023.3	7867.7	8485.6	9053.5	9443.2
12.5°	3921.9	4434.3	5042.6	5866.4	6722.4	7340.7	8197.4	9267.4	9987.1	10866.3	11299.8
10°	4288.5	4931.9	5558.4	6310.1	7132.2	8012.7	8936.2	9937.2	10898.9	11654.0	12328.9
7.5°	4436.1	5121.4	5846.7	6613.7	7435.7	8344.4	9328.7	10370.3	11360.1	12203.4	12945.1
5°	4546.5	5248.6	5978.7	6763.0	7641.7	8590.6	9589.6	10683.2	11693.9	12597.8	13356.7
2.5°	4616.6	5325.3	6052.2	6849.6	7773.8	8750.9	9782.0	10904.5	11930.5	12861.0	13617.4
0°	4643.5	5342.0	6086.4	6907.3	7822.2	8801.7	9877.3	11013.0	12047.1	12946.7	13725.0
-2.5°	4647.2	5326.5	6088.7	6905.5	7781.0	8769.5	9858.1	10984.4	11997.5	12893.5	13678.7
-5°	4610.7	5289.7	6052.6	6857.1	7733.7	8714.8	9756.7	10845.1	11811.3	12683.3	13439.3
-7.5°	4536.7	5213.9	5959.8	6746.0	7599.0	8550.7	9551.3	10563.2	11511.0	12347.4	13068.9
-10°	4427.0	5089.9	5810.0	6576.0	7383.2	8288.4	9242.5	10209.3	11098.1	11871.6	12538.8
-12.5°	4278.4	4926.1	5613.7	6345.0	7096.3	7959.3	8860.3	9768.1	10578.3	11284.3	11883.0
-15°	4085.4	4718.0	5383.9	6075.4	6804.0	7584.4	8393.0	9225.7	9972.9	10599.1	11146.0
-17.5°	3858.1	4471.6	5104.0	5745.0	6436.3	7168.6	7919.1	8666.6	9303.9	9860.2	10360.3
-20°	3604.7	4195.8	4796.4	5394.0	6021.3	6698.5	7391.7	8048.3	8605.2	9110.6	9568.2



REPORT NUMBER: P627322 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-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°	3320.6	3886.3	4462.1	5021.3	5586.9	6200.1	6819.2	7413.0	7933.9	8366.3	8763.9
-25°	3016.4	3539.1	4082.8	4607.2	5127.7	5677.3	6239.6	6785.9	7244.4	7619.8	7948.4
-27.5°	2709.9	3187.6	3666.5	4160.3	4641.4	5148.4	5657.6	6129.4	6541.0	6886.7	7162.8
-30°	2387.7	2814.8	3252.2	3698.8	4158.3	4622.4	5082.3	5495.5	5854.8	6158.8	6397.5
-32.5°	2120.0	2444.4	2830.6	3236.0	3666.7	4089.6	4489.7	4866.3	5204.8	5470.3	5672.7
-35°	1863.3	2138.1	2427.4	2786.2	3156.2	3545.3	3913.4	4249.5	4551.3	4783.2	4973.6
-37.5°	1642.7	1860.0	2104.6	2360.9	2671.1	2992.7	3324.9	3641.0	3910.2	4112.5	4282.5
-40°	1451.8	1623.4	1818.8	2021.9	2250.2	2481.2	2770.5	3037.2	3256.9	3446.1	3600.1
-42.5°	1279.2	1423.9	1568.3	1734.9	1907.1	2092.8	2295.8	2493.2	2661.8	2820.0	2950.9
-45°	1130.2	1245.8	1360.8	1489.5	1616.0	1767.0	1912.0	2041.4	2178.0	2296.5	2389.8
-47.5°	999.9	1090.0	1188.7	1285.0	1386.5	1500.2	1608.2	1706.6	1806.7	1893.4	1962.9
-50°	884.0	958.8	1039.3	1115.0	1197.1	1280.3	1360.1	1438.4	1514.4	1580.4	1631.7
-52.5°	782.7	848.0	910.7	971.0	1036.3	1097.9	1155.7	1220.3	1279.7	1331.7	1366.8
-55°	696.4	749.7	801.1	851.4	900.8	947.5	993.5	1043.7	1089.6	1130.9	1157.0
-57.5°	615.3	660.7	704.2	745.3	784.5	821.6	860.4	899.0	934.4	965.5	985.7
-60°	541.6	578.7	616.3	649.9	681.5	711.1	743.8	774.6	803.2	827.1	841.1
-62.5°	474.0	507.3	535.1	561.6	588.5	615.2	638.4	661.2	683.2	701.7	714.0
-65°	403.4	431.6	455.3	476.6	495.8	516.5	536.3	554.2	570.0	582.1	589.8
-67.5°	340.2	361.0	379.9	396.8	414.0	430.6	445.8	459.4	471.3	479.8	485.3
-70°	285.3	301.2	316.7	332.1	347.4	360.3	371.3	381.5	390.7	394.5	396.2
-72.5°	237.1	251.2	264.8	278.4	291.1	301.2	309.3	316.8	323.5	317.7	307.6
-75°	193.3	205.7	218.4	230.4	241.7	249.4	255.4	261.0	266.0	253.5	236.3
-77.5°	157.6	168.4	177.9	187.2	196.5	201.4	205.2	209.0	212.6	198.6	181.0
-80°	116.9	125.6	133.7	141.5	149.3	152.2	153.9	155.1	155.7	143.8	130.0
-82.5°	78.9	83.5	87.9	92.5	97.2	99.7	101.5	102.9	104.0	95.5	85.9
-85°	44.2	45.6	46.7	47.6	48.3	49.9	51.4	52.7	54.0	50.0	45.5
-87.5°	15.2	15.2	15.2	15.0	14.9	14.9	14.9	14.9	14.8	14.1	13.4
-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: P627322 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-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	0.2
62.5°	1.0	1.1	1.1	1.1	1.1	1.1	1.0	0.9	0.8	0.7	0.8
60°	2.2	1.3	1.1	1.1	1.1	1.3	2.2	2.8	3.2	4.2	4.5
57.5°	21.8	19.0	17.0	15.3	17.0	19.0	21.8	23.3	23.4	30.3	31.3
55°	144.8	134.8	122.6	108.2	122.6	134.8	144.8	147.4	141.3	129.0	116.4
52.5°	284.0	293.5	298.9	298.4	298.9	293.5	284.0	274.3	265.0	252.2	241.0
50°	373.8	379.0	379.2	374.9	379.2	379.0	373.8	365.3	354.8	340.0	316.4
47.5°	547.7	540.5	528.2	514.9	528.2	540.5	547.7	541.0	526.0	495.1	435.9
45°	955.7	978.7	977.2	947.7	977.2	978.7	955.7	913.9	850.4	792.6	750.6
42.5°	1306.0	1340.5	1364.9	1377.3	1364.9	1340.5	1306.0	1263.8	1188.1	1100.4	1007.1
40°	1645.0	1678.3	1692.9	1692.1	1692.9	1678.3	1645.0	1588.3	1487.8	1367.2	1257.1
37.5°	2003.2	2046.3	2067.2	2057.2	2067.2	2046.3	2003.2	1944.9	1855.2	1709.5	1585.6
35°	2495.7	2536.1	2536.9	2516.3	2536.9	2536.1	2495.7	2458.0	2371.0	2187.5	2097.0
32.5°	3584.4	3597.9	3494.3	3457.5	3494.3	3597.9	3584.4	3432.2	3240.5	3056.2	2852.3
30°	4576.8	4672.4	4761.4	4806.4	4761.4	4672.4	4576.8	4454.4	4331.4	3980.3	3660.5
27.5°	5240.7	5355.8	5427.1	5431.6	5427.1	5355.8	5240.7	5092.9	4896.9	4604.7	4258.5
25°	5844.5	5973.2	6051.0	6077.6	6051.0	5973.2	5844.5	5671.3	5442.8	5142.2	4761.3
22.5°	6477.1	6628.8	6729.3	6749.9	6729.3	6628.8	6477.1	6265.8	6016.8	5705.0	5271.5
20°	7211.1	7387.6	7484.0	7480.1	7484.0	7387.6	7211.1	6940.3	6653.2	6281.8	5809.7
17.5°	8177.4	8366.7	8449.9	8413.6	8449.9	8366.7	8177.4	7827.9	7523.6	7078.7	6554.8
15°	9843.0	10239.2	10237.6	10079.5	10237.6	10239.2	9843.0	9443.2	9053.5	8485.6	7867.7
12.5°	11897.6	12192.9	12495.7	12560.8	12495.7	12192.9	11897.6	11299.8	10866.3	9987.1	9267.4
10°	12897.4	13289.4	13548.1	13541.3	13548.1	13289.4	12897.4	12328.9	11654.0	10898.9	9937.2
7.5°	13522.9	13956.0	14269.5	14262.8	14269.5	13956.0	13522.9	12945.1	12203.4	11360.1	10370.3
5°	14005.5	14485.9	14763.7	14784.2	14763.7	14485.9	14005.5	13356.7	12597.8	11693.9	10683.2
2.5°	14256.3	14757.7	15091.6	15047.6	15091.6	14757.7	14256.3	13617.4	12861.0	11930.5	10904.5
0°	14361.2	14857.4	15169.0	15303.4	15169.0	14857.4	14361.2	13725.0	12946.7	12047.1	11013.0
-2.5°	14315.4	14798.3	15142.6	15155.9	15142.6	14798.3	14315.4	13678.7	12893.5	11997.5	10984.4
-5°	14070.1	14579.7	14810.3	14932.9	14810.3	14579.7	14070.1	13439.3	12683.3	11811.3	10845.1
-7.5°	13674.5	14056.4	14349.4	14484.7	14349.4	14056.4	13674.5	13068.9	12347.4	11511.0	10563.2
-10°	13058.9	13454.3	13701.9	13813.5	13701.9	13454.3	13058.9	12538.8	11871.6	11098.1	10209.3
-12.5°	12376.9	12736.2	12971.6	13065.8	12971.6	12736.2	12376.9	11883.0	11284.3	10578.3	9768.1
-15°	11616.1	11942.2	12158.9	12249.3	12158.9	11942.2	11616.1	11146.0	10599.1	9972.9	9225.7
-17.5°	10778.5	11064.3	11280.2	11345.3	11280.2	11064.3	10778.5	10360.3	9860.2	9303.9	8666.6
-20°	9917.2	10175.6	10353.4	10392.1	10353.4	10175.6	9917.2	9568.2	9110.6	8605.2	8048.3



REPORT NUMBER: P627322 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-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°	9049.4	9262.3	9406.6	9455.3	9406.6	9262.3	9049.4	8763.9	8366.3	7933.9	7413.0
-25°	8201.3	8385.0	8501.3	8544.8	8501.3	8385.0	8201.3	7948.4	7619.8	7244.4	6785.9
-27.5°	7385.6	7556.9	7663.7	7677.9	7663.7	7556.9	7385.6	7162.8	6886.7	6541.0	6129.4
-30°	6583.0	6724.5	6806.9	6841.7	6806.9	6724.5	6583.0	6397.5	6158.8	5854.8	5495.5
-32.5°	5833.0	5956.6	6030.6	6050.3	6030.6	5956.6	5833.0	5672.7	5470.3	5204.8	4866.3
-35°	5125.0	5239.1	5304.7	5299.4	5304.7	5239.1	5125.0	4973.6	4783.2	4551.3	4249.5
-37.5°	4423.1	4528.4	4587.9	4582.3	4587.9	4528.4	4423.1	4282.5	4112.5	3910.2	3641.0
-40°	3726.8	3817.7	3870.0	3882.7	3870.0	3817.7	3726.8	3600.1	3446.1	3256.9	3037.2
-42.5°	3059.7	3143.5	3185.4	3168.9	3185.4	3143.5	3059.7	2950.9	2820.0	2661.8	2493.2
-45°	2455.1	2498.4	2527.0	2544.7	2527.0	2498.4	2455.1	2389.8	2296.5	2178.0	2041.4
-47.5°	2013.8	2049.7	2069.1	2072.5	2069.1	2049.7	2013.8	1962.9	1893.4	1806.7	1706.6
-50°	1671.6	1702.1	1715.7	1711.8	1715.7	1702.1	1671.6	1631.7	1580.4	1514.4	1438.4
-52.5°	1392.1	1409.8	1421.8	1427.6	1421.8	1409.8	1392.1	1366.8	1331.7	1279.7	1220.3
-55°	1176.7	1190.5	1198.6	1201.3	1198.6	1190.5	1176.7	1157.0	1130.9	1089.6	1043.7
-57.5°	1002.6	1015.7	1020.5	1018.8	1020.5	1015.7	1002.6	985.7	965.5	934.4	899.0
-60°	851.9	859.4	865.0	867.9	865.0	859.4	851.9	841.1	827.1	803.2	774.6
-62.5°	723.7	730.8	736.6	740.0	736.6	730.8	723.7	714.0	701.7	683.2	661.2
-65°	595.3	598.4	599.3	597.9	599.3	598.4	595.3	589.8	582.1	570.0	554.2
-67.5°	489.5	492.1	493.8	494.1	493.8	492.1	489.5	485.3	479.8	471.3	459.4
-70°	397.9	399.0	397.7	394.6	397.7	399.0	397.9	396.2	394.5	390.7	381.5
-72.5°	297.3	286.4	275.5	263.4	275.5	286.4	297.3	307.6	317.7	323.5	316.8
-75°	218.5	200.0	193.4	186.9	193.4	200.0	218.5	236.3	253.5	266.0	261.0
-77.5°	162.5	143.3	138.2	133.4	138.2	143.3	162.5	181.0	198.6	212.6	209.0
-80°	115.5	100.5	97.2	94.0	97.2	100.5	115.5	130.0	143.8	155.7	155.1
-82.5°	75.9	65.4	63.3	61.2	63.3	65.4	75.9	85.9	95.5	104.0	102.9
-85°	40.8	36.0	35.0	33.9	35.0	36.0	40.8	45.5	50.0	54.0	52.7
-87.5°	12.7	12.0	12.0	12.0	12.0	12.0	12.7	13.4	14.1	14.8	14.9
-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: P627322 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.2	0.5	0.7	0.9	0.9	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.1	1.1	1.1	1.1
80°	0.0	0.0	0.0	0.3	0.6	0.9	1.1	1.1	1.1	1.1	1.1
77.5°	0.0	0.0	0.1	0.3	0.6	0.9	1.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	0.1	0.4	0.6	0.9	1.1	1.1	1.1	1.1	1.1
72.5°	0.0	0.0	0.1	0.3	0.7	1.0	1.1	1.1	1.1	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.1	1.1	1.1
67.5°	0.0	0.0	0.2	0.5	0.6	0.6	0.5	0.6	0.9	1.1	1.1
65°	0.3	0.2	0.3	0.5	0.8	1.1	1.1	1.0	1.0	1.2	1.1
62.5°	0.9	1.1	1.0	0.9	1.0	1.4	1.4	1.5	1.4	1.7	2.5
60°	3.6	1.8	3.9	4.6	3.6	3.5	6.2	5.8	2.2	8.2	9.9
57.5°	23.9	22.1	31.7	30.7	18.3	26.3	31.4	21.1	14.6	23.3	28.0
55°	104.6	102.3	99.6	93.9	86.1	80.2	79.0	78.9	62.7	45.5	51.5
52.5°	229.4	204.2	186.2	177.4	164.8	145.8	130.6	127.6	123.7	102.4	84.6
50°	294.7	290.1	270.6	240.7	237.9	218.8	192.3	174.0	171.6	157.0	130.0
47.5°	423.4	423.3	383.4	346.9	336.3	319.7	286.1	236.7	232.2	219.7	189.6
45°	686.0	638.3	616.1	545.8	469.5	440.1	412.1	352.6	304.1	285.0	263.8
42.5°	929.5	858.7	800.1	729.7	645.6	571.9	519.4	454.1	395.4	354.8	324.5
40°	1157.3	1043.1	961.9	873.3	781.8	690.6	625.6	543.4	476.5	422.0	390.0
37.5°	1442.1	1285.0	1194.9	1057.0	941.6	847.4	764.1	659.6	552.1	507.7	468.0
35°	1861.2	1675.2	1569.8	1402.0	1168.8	1085.4	976.9	820.4	684.4	608.4	559.2
32.5°	2613.1	2335.1	2141.1	1917.0	1608.2	1388.6	1244.4	1070.3	852.4	743.1	661.6
30°	3376.8	3001.0	2729.1	2501.5	2091.3	1767.6	1544.9	1298.6	1063.7	886.1	775.5
27.5°	3894.1	3524.7	3186.2	2859.3	2527.0	2151.2	1817.7	1501.3	1244.6	1046.0	903.1
25°	4348.0	3930.2	3549.0	3194.7	2839.7	2474.4	2070.6	1715.0	1413.6	1186.5	999.9
22.5°	4797.4	4353.1	3921.1	3509.0	3148.7	2758.0	2331.3	1922.3	1575.8	1340.5	1116.4
20°	5306.7	4795.2	4296.5	3907.0	3496.7	3051.0	2576.5	2186.5	1847.0	1524.7	1243.8
17.5°	6035.8	5352.3	4894.1	4455.3	3922.3	3377.6	2965.7	2556.8	2138.8	1719.3	1377.4
15°	7023.3	6317.2	5792.3	5191.0	4459.0	3896.6	3443.6	2947.0	2452.0	1949.6	1536.6
12.5°	8197.4	7340.7	6722.4	5866.4	5042.6	4434.3	3921.9	3366.2	2757.9	2157.8	1684.5
10°	8936.2	8012.7	7132.2	6310.1	5558.4	4931.9	4288.5	3609.8	2933.4	2314.9	1812.5
7.5°	9328.7	8344.4	7435.7	6613.7	5846.7	5121.4	4436.1	3752.7	3074.4	2437.6	1920.7
5°	9589.6	8590.6	7641.7	6763.0	5978.7	5248.6	4546.5	3849.5	3180.5	2528.1	2009.2
2.5°	9782.0	8750.9	7773.8	6849.6	6052.2	5325.3	4616.6	3905.9	3236.0	2576.6	2040.0
0°	9877.3	8801.7	7822.2	6907.3	6086.4	5342.0	4643.5	3926.4	3248.7	2597.2	2052.8
-2.5°	9858.1	8769.5	7781.0	6905.5	6088.7	5326.5	4647.2	3937.5	3252.2	2612.7	2061.9
-5°	9756.7	8714.8	7733.7	6857.1	6052.6	5289.7	4610.7	3913.4	3226.7	2600.4	2053.3
-7.5°	9551.3	8550.7	7599.0	6746.0	5959.8	5213.9	4536.7	3854.3	3175.1	2558.0	2027.6
-10°	9242.5	8288.4	7383.2	6576.0	5810.0	5089.9	4427.0	3754.5	3089.8	2488.3	1983.2
-12.5°	8860.3	7959.3	7096.3	6345.0	5613.7	4926.1	4278.4	3613.7	2971.2	2391.5	1919.9
-15°	8393.0	7584.4	6804.0	6075.4	5383.9	4718.0	4085.4	3438.4	2820.5	2266.9	1837.8
-17.5°	7919.1	7168.6	6436.3	5745.0	5104.0	4471.6	3858.1	3243.6	2652.3	2132.5	1741.6
-20°	7391.7	6698.5	6021.3	5394.0	4796.4	4195.8	3604.7	3013.6	2459.7	2006.8	1656.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627322 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4B-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°	6819.2	6200.1	5586.9	5021.3	4462.1	3886.3	3320.6	2762.6	2237.1	1865.8	1559.8
-25°	6239.6	5677.3	5127.7	4607.2	4082.8	3539.1	3016.4	2507.0	2072.5	1732.7	1455.6
-27.5°	5657.6	5148.4	4641.4	4160.3	3666.5	3187.6	2709.9	2248.1	1894.3	1605.3	1358.3
-30°	5082.3	4622.4	4158.3	3698.8	3252.2	2814.8	2387.7	2037.9	1730.4	1469.2	1249.6
-32.5°	4489.7	4089.6	3666.7	3236.0	2830.6	2444.4	2120.0	1825.2	1559.4	1343.9	1152.9
-35°	3913.4	3545.3	3156.2	2786.2	2427.4	2138.1	1863.3	1622.3	1409.7	1218.9	1056.4
-37.5°	3324.9	2992.7	2671.1	2360.9	2104.6	1860.0	1642.7	1445.9	1262.2	1110.5	970.6
-40°	2770.5	2481.2	2250.2	2021.9	1818.8	1623.4	1451.8	1282.7	1140.8	1007.3	886.9
-42.5°	2295.8	2092.8	1907.1	1734.9	1568.3	1423.9	1279.2	1147.6	1023.8	911.9	811.8
-45°	1912.0	1767.0	1616.0	1489.5	1360.8	1245.8	1130.2	1021.7	917.7	826.4	737.8
-47.5°	1608.2	1500.2	1386.5	1285.0	1188.7	1090.0	999.9	906.4	825.8	744.5	670.5
-50°	1360.1	1280.3	1197.1	1115.0	1039.3	958.8	884.0	810.5	739.5	672.1	604.7
-52.5°	1155.7	1097.9	1036.3	971.0	910.7	848.0	782.7	723.6	662.4	602.9	544.1
-55°	993.5	947.5	900.8	851.4	801.1	749.7	696.4	643.3	590.6	536.4	492.0
-57.5°	860.4	821.6	784.5	745.3	704.2	660.7	615.3	567.8	524.8	483.9	443.6
-60°	743.8	711.1	681.5	649.9	616.3	578.7	541.6	504.3	467.0	431.4	396.8
-62.5°	638.4	615.2	588.5	561.6	535.1	507.3	474.0	441.2	409.5	379.0	350.5
-65°	536.3	516.5	495.8	476.6	455.3	431.6	403.4	377.7	352.9	327.8	304.2
-67.5°	445.8	430.6	414.0	396.8	379.9	361.0	340.2	318.9	299.0	278.4	260.8
-70°	371.3	360.3	347.4	332.1	316.7	301.2	285.3	268.6	250.4	232.0	217.8
-72.5°	309.3	301.2	291.1	278.4	264.8	251.2	237.1	222.2	206.2	189.2	175.5
-75°	255.4	249.4	241.7	230.4	218.4	205.7	193.3	179.8	164.3	146.7	133.0
-77.5°	205.2	201.4	196.5	187.2	177.9	168.4	157.6	141.7	126.0	111.1	100.9
-80°	153.9	152.2	149.3	141.5	133.7	125.6	116.9	104.8	93.3	82.6	74.3
-82.5°	101.5	99.7	97.2	92.5	87.9	83.5	78.9	70.8	62.9	55.1	48.4
-85°	51.4	49.9	48.3	47.6	46.7	45.6	44.2	39.6	35.1	30.9	27.2
-87.5°	14.9	14.9	14.9	15.0	15.2	15.2	15.2	14.1	13.0	11.9	10.8
-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: P627322 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-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°	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.0	0.9	0.8	0.8	0.7
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1
65°	1.1	1.1	1.2	1.6	1.5	1.1	1.1	2.1	1.8	1.6	1.1
62.5°	2.2	1.1	2.8	3.8	2.5	2.0	1.6	4.6	2.9	2.1	1.5
60°	5.0	4.1	7.6	11.7	8.4	3.3	4.8	7.8	7.2	2.6	2.1
57.5°	25.3	11.6	17.1	22.2	21.2	11.9	9.7	13.4	12.2	7.1	2.8
55°	52.5	44.6	35.5	35.3	35.7	28.2	20.1	20.8	18.4	13.1	4.2
52.5°	79.8	77.3	68.8	56.1	51.5	46.5	38.1	29.4	27.3	19.5	10.3
50°	113.7	107.5	100.8	87.7	71.1	64.6	55.8	44.9	37.1	27.2	17.0
47.5°	152.5	141.7	131.6	119.0	100.8	83.6	73.9	60.9	48.0	37.4	23.8
45°	213.1	178.0	164.3	149.6	131.0	109.5	92.7	76.8	62.2	47.6	30.6
42.5°	275.4	226.5	197.8	181.2	161.7	137.6	112.2	94.3	76.2	57.8	38.7
40°	338.1	277.5	234.0	213.4	193.5	165.5	137.1	112.7	89.9	68.4	47.5
37.5°	405.8	334.6	275.8	246.8	225.8	195.6	162.4	131.5	104.0	79.9	56.2
35°	490.1	402.3	321.2	285.4	257.3	226.3	187.4	151.8	120.7	91.4	64.8
32.5°	584.8	477.1	386.4	327.6	289.2	257.5	214.0	174.8	138.0	103.0	73.3
30°	679.0	554.0	448.2	369.3	323.2	286.8	242.4	197.9	155.6	114.5	81.9
27.5°	750.9	620.4	506.1	419.4	360.8	315.9	270.6	221.1	173.5	127.2	91.3
25°	824.4	681.8	562.2	468.5	397.7	345.7	297.8	244.3	192.5	141.8	100.5
22.5°	910.2	740.2	609.6	512.8	436.8	375.8	323.8	267.8	211.8	156.2	109.4
20°	994.1	794.0	653.2	564.6	479.4	409.5	349.2	290.2	230.7	170.4	118.1
17.5°	1080.2	869.6	725.5	618.2	523.5	442.8	374.4	311.5	249.0	184.2	126.4
15°	1209.9	970.7	798.4	671.1	566.1	475.4	399.0	331.5	266.7	197.6	133.8
12.5°	1332.1	1065.8	869.2	722.8	607.0	507.1	422.9	350.2	283.5	208.7	140.0
10°	1440.1	1154.4	936.9	772.7	645.9	537.4	445.8	365.0	293.5	217.5	145.5
7.5°	1534.1	1235.6	1000.9	820.2	679.0	558.0	457.4	372.7	301.0	225.3	150.3
5°	1606.0	1290.9	1036.0	839.1	691.5	567.4	465.8	378.9	307.1	231.9	154.5
2.5°	1629.8	1309.4	1049.9	849.8	700.5	574.2	472.2	383.7	311.6	237.4	157.9
0°	1640.7	1318.3	1057.0	855.9	706.1	578.3	476.6	387.0	314.8	241.6	160.7
-2.5°	1652.8	1330.4	1067.0	865.4	712.0	583.9	481.3	392.1	319.4	246.3	165.3
-5°	1652.0	1332.7	1070.3	870.0	714.3	586.9	484.0	395.7	322.6	249.8	169.2
-7.5°	1634.5	1322.3	1066.2	869.1	713.1	587.3	484.7	397.9	324.7	252.0	172.2
-10°	1603.3	1300.9	1054.2	861.2	708.4	584.7	483.6	398.6	325.5	252.9	174.4
-12.5°	1559.3	1270.4	1034.8	848.4	699.9	579.2	480.0	396.7	325.0	252.6	175.6
-15°	1502.8	1231.1	1008.1	830.5	687.8	571.1	474.3	392.9	322.2	250.8	175.9
-17.5°	1434.4	1183.4	974.1	807.8	671.8	560.3	466.5	387.5	318.3	247.5	175.6
-20°	1371.0	1133.1	934.8	780.2	652.1	546.8	456.6	380.7	313.5	243.5	174.7



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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°	1300.0	1080.9	900.0	753.8	631.2	530.8	444.5	372.5	307.8	238.7	173.2
-25°	1218.9	1021.7	860.2	724.4	610.9	515.4	432.0	362.7	301.2	233.2	170.9
-27.5°	1142.6	960.7	815.6	690.5	587.5	497.8	419.7	353.8	293.7	227.1	167.8
-30°	1064.8	907.6	772.9	654.9	561.6	478.0	405.9	344.2	285.1	221.8	164.1
-32.5°	985.7	849.8	727.1	624.1	536.6	456.9	390.8	333.8	276.2	216.5	161.0
-35°	917.7	792.8	677.9	591.0	510.9	438.8	375.7	322.9	267.0	210.5	157.6
-37.5°	845.4	735.0	639.6	558.1	483.4	419.0	361.3	310.0	257.6	203.8	153.6
-40°	780.6	681.1	598.3	526.3	458.7	397.7	345.2	296.3	248.8	196.4	148.8
-42.5°	714.6	632.0	558.2	492.0	433.8	378.2	327.7	281.6	237.3	189.6	143.4
-45°	656.8	581.8	516.6	461.0	407.8	356.9	310.5	266.4	225.0	182.6	137.7
-47.5°	597.1	533.5	477.8	428.5	382.2	334.8	292.5	252.3	212.3	174.7	132.0
-50°	541.4	487.7	441.3	397.2	353.9	314.1	274.4	237.7	200.8	164.5	125.5
-52.5°	491.9	447.1	405.9	365.6	328.5	292.6	258.2	223.0	188.7	154.3	118.3
-55°	448.1	408.2	371.0	336.3	303.0	273.3	241.6	209.1	176.1	143.7	110.6
-57.5°	406.2	370.2	338.7	307.7	279.4	253.6	225.5	194.7	163.5	132.6	103.7
-60°	364.0	335.1	307.0	281.1	256.6	233.1	209.3	179.8	150.3	121.3	95.4
-62.5°	323.7	299.4	277.8	254.9	232.5	211.9	192.5	164.5	136.6	110.0	86.2
-65°	284.0	265.4	248.0	226.5	207.0	189.8	173.7	148.5	122.2	98.0	76.6
-67.5°	244.8	229.4	213.9	196.5	182.0	167.9	153.6	130.9	107.0	85.4	67.0
-70°	205.1	192.2	181.0	170.0	157.9	145.5	131.3	112.0	91.0	73.5	56.9
-72.5°	166.4	158.4	151.7	143.9	133.7	122.0	108.7	92.9	76.6	61.1	46.6
-75°	128.1	126.5	124.5	119.4	109.6	98.7	87.9	75.8	61.8	48.5	38.0
-77.5°	100.9	100.2	98.9	95.3	86.8	77.8	68.5	58.3	47.7	38.5	29.8
-80°	74.7	74.6	74.0	71.8	64.5	56.9	50.4	43.9	36.1	28.7	21.6
-82.5°	49.1	49.8	50.2	49.5	44.6	39.7	35.1	30.4	24.4	18.6	14.4
-85°	28.1	28.6	28.7	28.4	25.4	22.4	20.4	18.4	15.2	12.3	9.7
-87.5°	11.6	12.3	12.8	13.2	12.2	11.2	10.2	9.2	7.6	6.2	4.8
-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°	0.3	0.2	0.2	0.1	0.1	0.0	0.0
85°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
82.5°	0.9	0.7	0.6	0.4	0.3	0.1	0.0
80°	1.1	0.9	0.8	0.6	0.4	0.2	0.0
77.5°	1.1	1.1	0.9	0.7	0.5	0.2	0.0
75°	1.1	1.1	1.1	0.9	0.6	0.3	0.0
72.5°	1.1	1.1	1.1	1.0	0.7	0.3	0.0
70°	1.1	1.1	1.1	1.1	0.8	0.4	0.0
67.5°	1.2	1.1	1.1	1.1	0.8	0.4	0.0
65°	1.3	1.2	1.1	1.1	0.9	0.5	0.0
62.5°	1.5	1.5	1.1	1.1	1.0	0.5	0.0
60°	1.7	1.8	1.1	1.1	1.1	0.5	0.0
57.5°	3.0	2.1	1.4	1.1	1.1	0.6	0.0
55°	4.5	2.4	1.7	1.1	1.1	0.6	0.0
52.5°	6.3	3.0	2.1	1.1	1.1	0.7	0.0
50°	8.4	4.9	2.5	1.1	1.2	0.7	0.0
47.5°	11.2	7.0	2.8	1.2	1.2	0.7	0.0
45°	17.1	9.1	3.2	1.5	1.2	0.8	0.0
42.5°	23.0	11.4	3.7	1.8	1.3	0.8	0.0
40°	28.8	13.8	4.8	2.2	1.3	0.8	0.0
37.5°	34.6	16.3	6.7	2.6	1.4	0.9	0.0
35°	40.4	20.2	8.6	3.2	1.4	0.9	0.0
32.5°	46.5	24.8	10.5	3.7	1.4	0.9	0.0
30°	53.3	29.2	12.4	4.3	1.5	1.0	0.0
27.5°	60.0	33.6	14.6	4.9	1.6	1.0	0.0
25°	66.4	37.7	16.8	5.6	1.6	1.0	0.0
22.5°	72.5	41.8	19.0	6.2	1.7	1.0	0.0
20°	78.3	45.7	21.0	6.9	1.7	1.0	0.0
17.5°	83.7	49.4	23.0	7.6	1.8	1.0	0.0
15°	88.7	52.9	24.9	8.3	1.9	1.1	0.0
12.5°	93.2	56.1	26.7	9.0	1.9	1.1	0.0
10°	97.3	59.0	28.4	9.6	2.0	1.1	0.0
7.5°	101.0	61.7	30.0	10.3	2.0	1.1	0.0
5°	104.2	64.0	31.5	10.9	2.1	1.1	0.0
2.5°	107.0	66.1	32.8	11.5	2.1	1.1	0.0
0°	109.3	67.8	33.9	12.0	2.2	1.1	0.0
-2.5°	112.3	69.9	35.5	12.8	2.5	1.2	0.0
-5°	114.8	71.7	36.8	13.5	2.9	1.2	0.0
-7.5°	116.7	73.2	38.0	14.1	3.2	1.3	0.0
-10°	118.1	74.2	38.9	14.6	3.5	1.4	0.0
-12.5°	118.9	75.0	39.7	15.1	3.8	1.4	0.0
-15°	119.2	75.3	40.1	15.5	4.0	1.5	0.0
-17.5°	118.8	75.3	40.3	15.8	4.3	1.5	0.0
-20°	118.5	74.8	40.3	16.0	4.5	1.6	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	118.5	74.0	40.0	16.1	4.7	1.6	0.0
-25°	118.0	73.7	39.3	16.1	4.9	1.6	0.0
-27.5°	116.9	73.4	38.4	16.0	5.0	1.7	0.0
-30°	115.1	72.7	37.3	15.7	5.1	1.7	0.0
-32.5°	112.8	71.4	36.8	15.4	5.2	1.7	0.0
-35°	110.6	69.7	36.1	15.0	5.3	1.7	0.0
-37.5°	108.1	67.8	35.0	14.4	5.3	1.7	0.0
-40°	105.0	66.2	33.6	13.7	5.3	1.7	0.0
-42.5°	101.3	64.1	32.6	13.1	5.2	1.6	0.0
-45°	97.0	61.6	31.9	12.6	5.1	1.6	0.0
-47.5°	92.1	58.7	31.0	11.9	5.0	1.6	0.0
-50°	87.8	55.3	29.7	11.7	4.9	1.5	0.0
-52.5°	83.2	51.6	28.0	11.5	4.7	1.5	0.0
-55°	78.0	48.6	26.1	11.2	4.5	1.4	0.0
-57.5°	72.4	45.3	23.8	10.8	4.2	1.3	0.0
-60°	66.4	41.5	21.4	10.2	4.0	1.3	0.0
-62.5°	60.6	37.3	19.9	9.5	3.7	1.2	0.0
-65°	54.2	32.8	18.2	8.6	3.5	1.1	0.0
-67.5°	47.2	28.7	16.3	7.7	3.2	1.0	0.0
-70°	39.8	25.1	14.2	6.6	2.9	0.9	0.0
-72.5°	33.8	21.3	11.9	5.9	2.6	0.8	0.0
-75°	27.8	17.3	9.4	5.1	2.2	0.7	0.0
-77.5°	21.4	13.0	7.8	4.3	1.9	0.6	0.0
-80°	14.8	10.0	6.3	3.5	1.5	0.5	0.0
-82.5°	10.9	7.5	4.8	2.7	1.1	0.4	0.0
-85°	7.3	5.1	3.2	1.8	0.8	0.2	0.0
-87.5°	3.7	2.5	1.6	0.9	0.4	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)