

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: P627498 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4E-727-U-NR-VSR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627498 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4E-727-U-NR-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, NARROW SYMMETRICAL ROUND N3 WITH VISOR
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

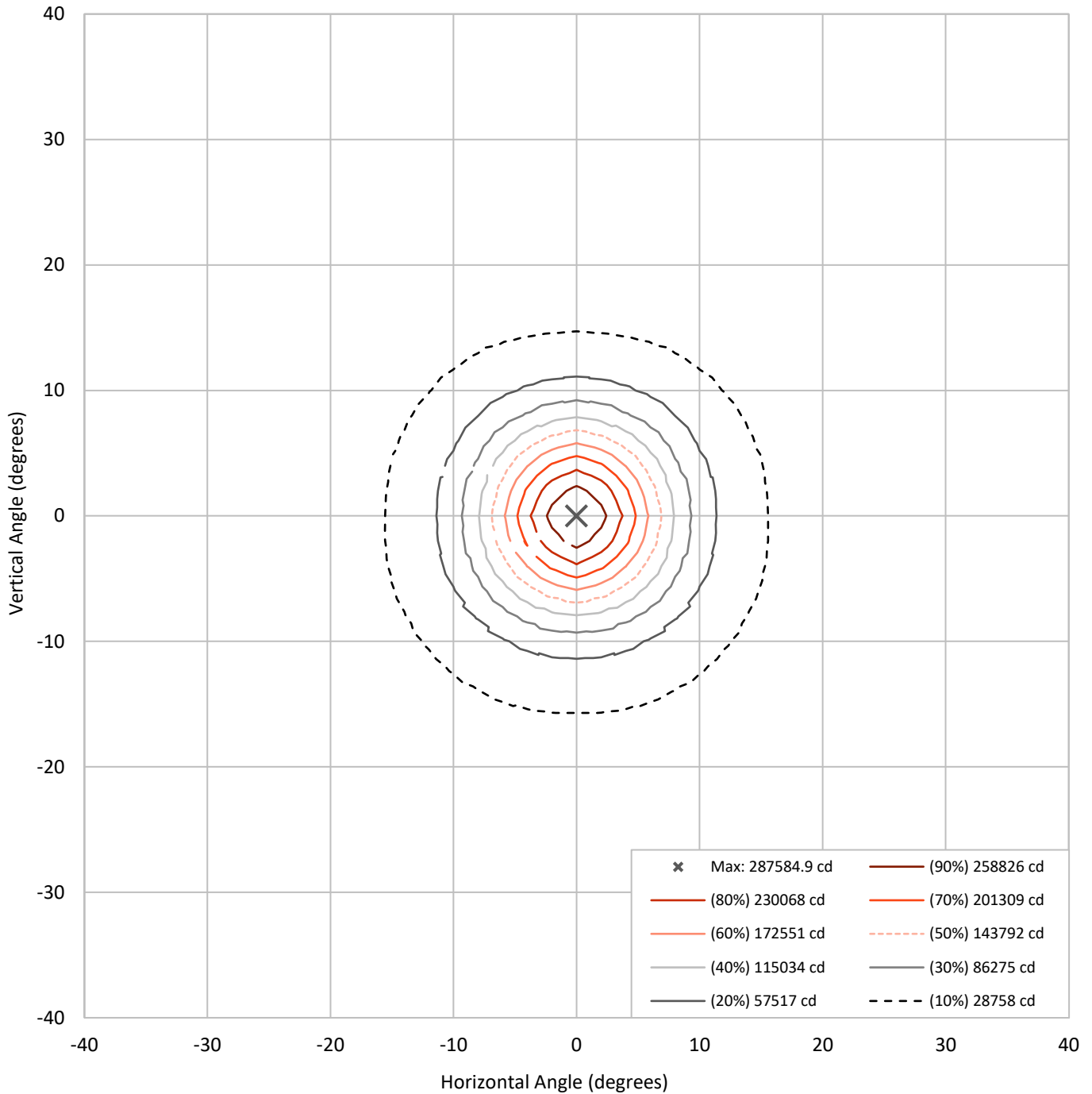
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	28370.8 lumens	Max Intensity:	287584.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	110.9 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	13.6°H x 13.6°V	Field Angle (10%):	30.9°H x 30.2°V
Beam Lumens:	9057.3 lumens	Field Lumens:	20173.5 lumens
Beam Efficiency:	31.9%	Field Efficiency:	71.1%
Input Watts (W):	255.9		
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





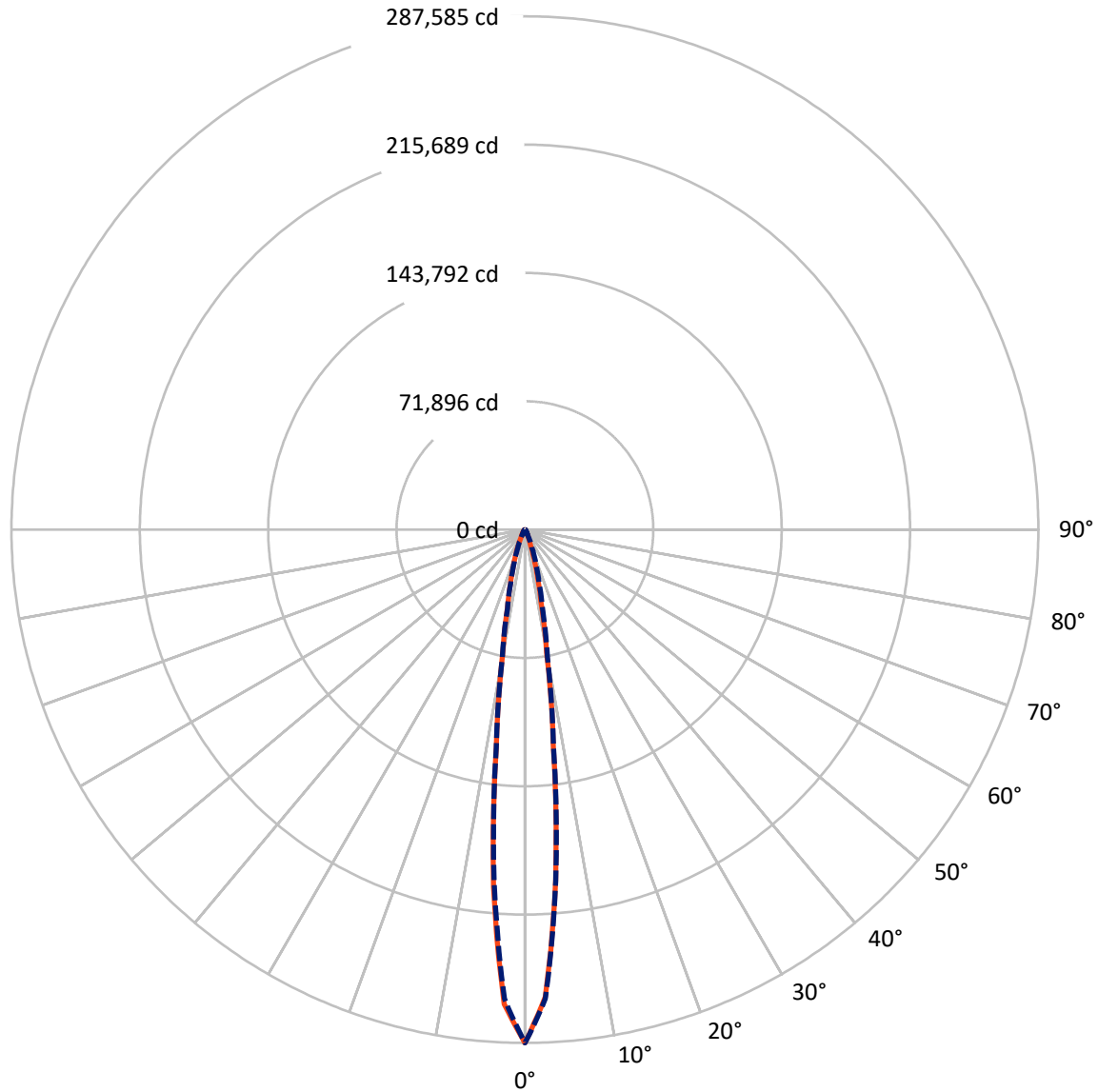
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Lumen Table

90																			
80	0.0	0.0	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		
70																			
60	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1			
50		0.1	0.2	0.7	1.6	2.5	3.4	4.0	4.0	3.4	2.5	1.6	0.7	0.2	0.1				
40	0.1	0.2	0.8	2.5	4.6	6.8	9.6	11.3	11.3	9.6	6.8	4.6	2.5	0.8	0.2	0.1			
30		0.4	2.0	4.8	8.6	13.6	23.1	29.4	29.4	23.1	13.6	8.6	4.8	2.0	0.4				
20	0.3	0.8	3.2	7.3	13.3	28.9	77.1	127.6	127.6	77.1	28.9	13.3	7.3	3.2	0.8	0.3			
10		1.2	4.3	10.1	22.0	86.3	363.7	799.4	799.4	363.7	86.3	22.0	10.1	4.3	1.2				
0	0.4	1.5	5.3	11.9	29.8	161.9	871.5	3908.3	3908.3	871.5	161.9	29.8	11.9	5.3	1.5	0.4			
-10		1.7	5.8	12.5	32.0	172.6	902.0	3974.6	3974.6	902.0	172.6	32.0	12.5	5.8	1.7				
-20	0.5	1.8	5.9	12.3	28.1	109.8	437.9	936.6	936.6	437.9	109.8	28.1	12.3	5.9	1.8	0.5			
-30		1.8	5.6	11.3	21.7	51.3	134.9	224.9	224.9	134.9	51.3	21.7	11.3	5.6	1.8				
-40	0.5	1.5	5.0	10.0	17.0	28.2	45.9	58.3	58.3	45.9	28.2	17.0	10.0	5.0	1.5	0.5			
-50		1.3	4.1	8.3	13.7	19.7	26.5	29.5	29.5	26.5	19.7	13.7	8.3	4.1	1.3				
-60	0.3	1.0	3.1	6.5	10.8	15.1	19.1	20.9	20.9	19.1	15.1	10.8	6.5	3.1	1.0	0.3			
-70		0.6	1.9	4.2	7.2	10.5	13.3	14.6	14.6	13.3	10.5	7.2	4.2	1.9	0.6				
-80	0.1	1.7	7.1	15.7	19.9	15.7	7.1	1.7	0.1										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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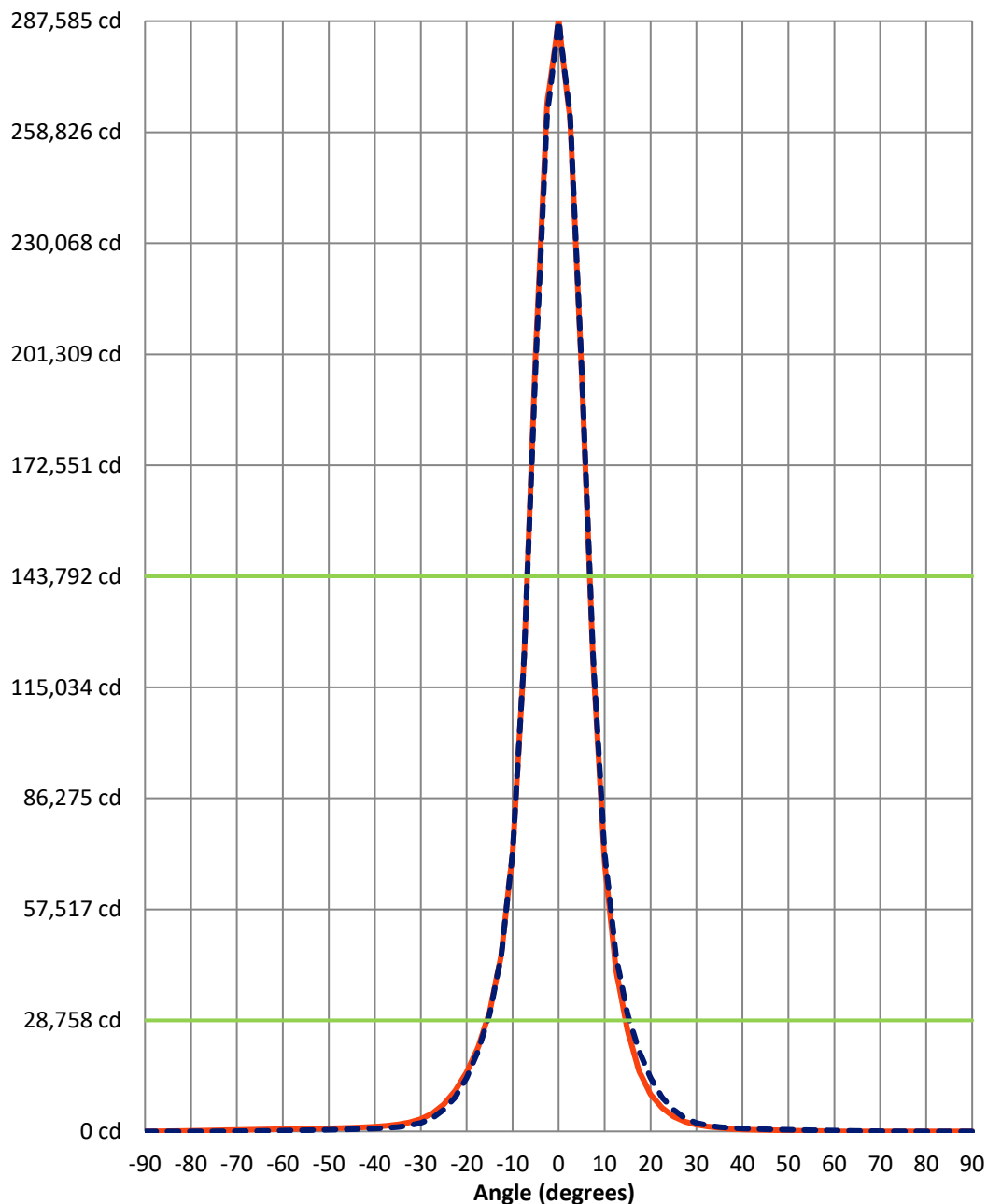
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 13.6°
 V Angle: 13.6°
 Lumens: 9057.3
 Efficiency: 31.9%

Field:
 H Angle: 30.9°
 V Angle: 30.2°
 Lumens: 20173.5
 Efficiency: 71.1%

Spill:
 Lumens: 8197.4
 Efficiency: 28.9%

— 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.7	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
75°	0.0	0.8	0.1	0.0	0.1	0.5	0.2	0.0	0.1	0.5	0.2
72.5°	0.0	1.0	0.2	0.0	0.7	0.9	0.3	0.4	1.3	1.4	0.6
70°	0.0	1.1	0.3	0.1	1.2	1.4	0.7	1.9	2.6	2.3	0.8
67.5°	0.0	1.3	0.4	0.7	1.8	1.9	2.2	3.4	3.9	2.5	1.0
65°	0.0	1.4	0.5	1.3	2.5	2.6	3.5	5.1	4.1	2.7	1.8
62.5°	0.0	1.6	0.6	1.9	3.1	3.5	4.8	5.7	4.3	3.2	3.8
60°	0.0	1.7	0.8	2.6	3.8	4.3	6.0	5.9	4.6	4.4	5.6
57.5°	0.0	1.9	1.3	3.2	4.3	5.0	6.1	6.1	5.1	5.4	6.1
55°	0.0	2.1	1.8	3.9	4.7	5.6	6.1	6.1	5.6	6.1	6.1
52.5°	0.0	2.2	2.3	4.5	5.1	6.1	6.1	6.1	6.0	6.1	6.1
50°	0.0	2.4	2.8	5.2	5.4	6.1	6.1	6.1	6.1	6.1	7.1
47.5°	0.0	2.6	3.2	5.8	5.7	6.1	6.1	6.1	6.1	6.1	8.4
45°	0.0	2.8	3.6	5.9	5.9	6.1	6.1	6.1	6.3	7.6	10.0
42.5°	0.0	3.0	3.9	6.1	6.0	6.1	6.1	6.3	6.7	9.3	13.5
40°	0.0	3.2	4.3	6.1	6.1	6.1	6.1	6.8	7.8	11.2	17.3
37.5°	0.0	3.4	4.6	6.1	6.1	6.1	6.1	7.4	9.9	14.1	21.4
35°	0.0	3.6	4.8	6.1	6.1	6.1	6.1	8.1	12.1	17.9	26.2
32.5°	0.0	3.8	5.1	6.1	6.1	6.1	6.3	9.0	14.5	21.6	32.5
30°	0.0	4.0	5.3	6.1	6.1	6.1	6.9	10.2	16.9	25.2	39.3
27.5°	0.0	4.2	5.5	6.1	6.1	6.1	7.6	12.1	19.6	28.6	46.7
25°	0.0	4.4	5.6	6.1	6.1	6.1	8.3	14.1	22.5	33.7	54.6
22.5°	0.0	4.6	5.7	6.1	6.1	6.2	9.1	16.0	25.2	39.8	63.9
20°	0.0	4.8	5.8	6.1	6.1	6.7	9.9	17.9	27.8	46.1	72.5
17.5°	0.0	4.9	5.9	6.1	6.1	7.2	10.9	19.8	30.3	52.3	80.3
15°	0.0	5.1	6.0	6.1	6.1	7.8	12.2	21.7	32.6	58.5	87.4
12.5°	0.0	5.3	6.0	6.1	6.1	8.5	13.4	23.6	35.7	64.5	93.8
10°	0.0	5.5	6.1	6.1	6.1	9.2	14.5	25.2	39.6	70.1	99.5
7.5°	0.0	5.7	6.1	6.1	6.1	10.0	15.5	26.8	43.6	74.9	104.4
5°	0.0	5.8	6.1	6.1	6.1	10.8	16.5	28.1	47.5	79.0	108.8
2.5°	0.0	6.0	6.1	6.1	6.1	11.5	17.4	29.4	51.3	82.4	112.5
0°	0.0	6.1	6.1	6.1	6.1	12.2	18.3	30.4	54.8	85.2	115.7
-2.5°	0.0	6.1	6.1	6.1	6.6	12.8	19.9	32.2	57.9	87.5	119.6
-5°	0.0	6.1	6.1	6.1	7.2	13.4	21.4	33.9	60.6	89.2	122.8
-7.5°	0.0	6.0	6.1	6.1	7.7	14.0	22.7	35.4	62.7	90.6	125.2
-10°	0.0	6.0	6.1	6.1	8.1	14.4	23.9	36.7	64.3	91.6	126.7
-12.5°	0.0	6.0	6.1	6.1	8.5	14.8	24.9	37.8	65.3	92.5	129.1
-15°	0.0	5.9	6.1	6.1	8.8	15.2	25.6	38.8	65.5	94.3	131.3
-17.5°	0.0	5.8	6.1	6.1	9.1	15.4	26.1	39.7	65.1	95.3	132.3
-20°	0.0	5.7	6.1	6.1	9.3	15.6	26.5	40.5	64.1	95.2	132.1

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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	5.6	6.1	6.1	9.4	15.8	26.8	41.0	62.7	94.2	130.6
-25°	0.0	5.5	6.1	6.1	9.3	16.2	27.0	41.2	60.8	92.0	127.7
-27.5°	0.0	5.4	6.1	6.1	9.2	16.6	27.0	41.1	58.4	88.9	125.0
-30°	0.0	5.3	6.1	6.1	9.0	16.8	26.9	40.6	57.1	85.6	120.8
-32.5°	0.0	5.1	6.1	6.1	8.9	17.0	26.6	40.2	56.4	81.7	115.1
-35°	0.0	5.0	6.1	6.1	8.8	16.9	26.5	39.6	55.2	77.4	107.8
-37.5°	0.0	4.8	6.1	6.1	8.6	16.7	26.4	38.9	53.7	72.5	103.6
-40°	0.0	4.7	6.1	6.1	8.3	16.4	26.1	38.0	51.6	69.4	99.8
-42.5°	0.0	4.5	6.1	6.2	8.2	15.9	25.5	36.9	50.0	68.0	95.0
-45°	0.0	4.3	6.1	6.3	8.4	15.3	24.7	35.7	48.5	66.0	89.8
-47.5°	0.0	4.1	6.1	6.4	8.6	14.5	23.7	34.5	46.9	63.1	86.4
-50°	0.0	3.9	6.1	6.5	8.7	13.5	22.5	33.0	45.1	60.7	81.9
-52.5°	0.0	3.7	6.1	6.6	8.7	12.4	21.1	31.2	42.8	57.4	76.6
-55°	0.0	3.5	6.1	6.6	8.6	12.1	19.5	29.1	40.3	53.1	71.0
-57.5°	0.0	3.3	6.1	6.6	8.5	11.8	17.7	26.8	37.4	49.2	64.4
-60°	0.0	3.0	6.1	6.6	8.3	11.4	15.8	24.3	34.1	45.3	57.7
-62.5°	0.0	2.8	5.6	6.5	8.1	10.9	15.0	21.5	30.6	41.0	52.5
-65°	0.0	2.6	5.2	6.4	7.8	10.4	14.1	18.9	26.8	36.3	46.8
-67.5°	0.0	2.3	4.7	6.3	7.5	9.7	13.0	17.4	22.8	31.3	40.8
-70°	0.0	2.1	4.2	6.1	7.1	9.0	11.8	15.6	20.4	26.0	34.4
-72.5°	0.0	1.8	3.7	5.5	6.6	8.2	10.6	13.8	17.8	22.7	28.2
-75°	0.0	1.6	3.2	4.7	6.2	7.3	9.2	12.1	15.1	19.1	23.8
-77.5°	0.0	1.3	2.6	4.0	5.3	6.4	7.8	10.4	13.1	15.9	19.2
-80°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	8.7	11.2	13.7	16.2
-82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.7	6.8	9.2	11.5	13.7
-85°	0.0	0.5	1.1	1.6	2.1	2.6	3.2	4.6	6.2	8.1	10.3
-87.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	2.3	3.1	4.1	5.1
-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°	0.0	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	0.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.4	1.7	2.1	1.3	0.0	0.0	0.0	0.4	0.0	0.0	0.0
65°	3.0	4.0	3.0	1.6	0.1	1.4	2.1	1.6	0.2	0.0	0.0
62.5°	5.6	4.8	3.4	2.5	3.5	4.6	3.6	2.1	0.6	2.9	4.3
60°	6.1	5.1	4.3	4.8	6.2	5.5	4.0	5.9	8.9	11.2	13.6
57.5°	6.1	5.6	5.5	6.6	6.9	6.9	10.7	14.3	20.2	25.1	28.4
55°	6.3	6.0	6.9	8.3	10.3	14.6	19.9	28.0	34.5	44.6	53.2
52.5°	6.9	6.9	9.3	12.5	18.4	25.1	34.6	46.1	59.1	68.9	79.2
50°	7.9	10.2	13.0	20.9	29.0	39.6	55.1	71.9	82.9	93.9	108.7
47.5°	10.8	13.8	21.4	30.5	42.3	59.2	80.5	92.6	103.5	120.7	139.2
45°	14.6	20.7	30.1	42.7	59.0	82.5	99.4	109.3	128.0	148.1	169.1
42.5°	18.6	28.6	41.4	54.7	80.3	102.7	117.9	133.6	152.5	175.9	198.8
40°	25.3	36.3	53.7	74.6	100.7	122.5	141.6	159.6	178.2	208.8	233.2
37.5°	32.1	48.1	67.8	93.7	120.8	144.7	166.0	188.6	215.2	249.7	271.6
35°	38.6	60.3	84.4	112.0	140.8	167.8	193.4	219.8	254.3	287.0	313.0
32.5°	47.8	72.9	99.9	129.8	159.4	189.9	221.1	252.7	286.6	320.0	354.2
30°	59.4	86.2	114.7	146.8	176.5	211.9	247.9	281.4	315.6	350.7	389.4
27.5°	71.0	98.7	129.6	161.9	193.1	233.4	272.3	307.2	342.3	380.1	424.3
25°	81.8	111.3	143.5	175.4	212.1	255.3	297.8	338.3	368.0	411.1	462.6
22.5°	92.1	123.6	158.2	187.5	230.3	277.3	326.9	370.4	405.5	444.0	502.5
20°	102.4	136.3	171.9	204.8	248.7	299.2	358.0	402.8	446.5	496.0	555.7
17.5°	112.2	148.1	185.5	224.5	270.9	323.1	389.9	435.6	487.7	547.1	622.3
15°	121.4	159.0	199.1	242.9	290.8	347.2	411.5	468.5	530.8	599.4	688.3
12.5°	130.0	168.9	212.5	260.0	308.4	367.8	429.7	490.3	562.0	651.7	763.5
10°	137.9	178.0	225.5	275.6	323.7	385.3	445.7	508.8	584.4	682.9	811.0
7.5°	144.5	187.1	237.9	289.7	336.9	399.6	459.5	524.0	603.2	708.7	842.8
5°	150.0	196.6	249.3	298.8	347.9	412.0	471.0	536.0	618.1	728.9	865.6
2.5°	154.6	205.4	259.3	305.5	357.3	423.3	480.3	549.4	633.3	744.6	887.0
0°	158.3	213.1	267.8	310.4	365.2	432.2	487.0	560.0	645.2	754.8	907.0
-2.5°	165.7	219.4	272.9	316.2	373.6	433.7	491.4	561.5	649.7	762.7	910.7
-5°	171.9	224.5	276.6	320.6	379.9	433.5	493.3	560.3	651.3	767.3	917.4
-7.5°	176.6	228.4	279.1	324.0	383.3	435.5	496.1	564.6	656.1	771.4	926.0
-10°	179.7	231.3	281.1	328.4	384.1	437.6	497.1	565.6	655.3	768.7	921.3
-12.5°	181.3	232.9	282.1	330.7	383.9	437.4	495.7	562.9	648.6	759.1	902.4
-15°	181.8	233.6	281.9	331.0	383.0	434.8	491.8	556.6	636.5	742.8	872.9
-17.5°	181.3	233.2	280.8	329.0	381.6	429.8	485.7	548.0	624.3	723.7	848.9
-20°	179.7	231.9	278.7	324.6	379.6	425.1	479.6	539.8	611.6	701.6	813.7



REPORT NUMBER: P627498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-U-NR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	177.2	229.8	275.6	320.2	372.8	420.8	471.7	529.1	593.4	674.9	774.3
-25°	174.3	225.5	271.8	316.8	365.1	414.2	461.7	516.3	575.4	653.7	743.2
-27.5°	170.3	220.2	266.5	312.0	357.0	405.3	451.8	503.2	561.8	630.8	710.8
-30°	164.8	212.8	259.1	305.5	349.9	395.3	440.1	489.2	544.3	609.5	683.3
-32.5°	157.6	204.6	249.8	295.7	341.9	385.2	427.4	474.6	526.4	583.5	653.7
-35°	150.4	195.6	239.8	283.5	332.2	374.0	414.6	457.8	506.0	559.1	616.4
-37.5°	143.7	186.1	229.1	270.4	316.5	360.0	399.6	440.7	485.2	533.9	585.9
-40°	136.4	175.9	217.9	258.1	298.5	342.9	382.4	422.1	463.2	512.0	558.3
-42.5°	128.9	167.2	206.1	245.5	284.1	323.8	363.2	401.3	444.7	490.9	536.3
-45°	122.5	158.2	194.3	232.6	270.6	306.5	343.5	379.0	423.1	469.3	513.7
-47.5°	115.1	148.9	183.9	218.6	256.0	291.8	325.0	361.0	398.5	442.1	488.7
-50°	107.5	139.5	171.8	204.5	239.9	275.7	309.5	342.7	378.0	413.9	454.1
-52.5°	101.0	128.9	158.8	188.9	222.4	257.4	291.5	324.7	357.3	391.0	425.3
-55°	93.3	118.9	145.3	173.4	202.8	236.3	270.2	302.6	335.8	367.3	400.9
-57.5°	84.8	107.7	131.7	158.1	184.8	212.4	245.2	277.4	308.7	340.5	375.1
-60°	75.1	95.6	117.4	141.7	167.7	192.9	219.5	249.4	279.6	309.8	341.7
-62.5°	65.1	82.9	102.6	123.8	147.6	172.4	196.7	222.2	249.3	275.6	303.3
-65°	58.4	71.0	87.5	106.3	125.9	148.1	171.1	194.6	218.5	240.8	262.1
-67.5°	51.3	62.6	74.8	88.7	106.5	125.2	143.6	164.6	186.1	206.5	226.5
-70°	43.7	53.8	64.7	76.2	88.8	104.1	121.3	138.2	154.6	171.8	190.3
-72.5°	35.8	44.6	54.0	64.0	74.8	86.9	100.1	114.5	129.1	143.3	157.8
-75°	29.4	35.1	42.9	51.4	60.7	70.2	79.8	91.1	103.5	116.0	128.1
-77.5°	24.2	29.5	34.8	40.0	46.7	55.4	63.9	72.3	80.9	90.3	100.4
-80°	19.7	23.8	28.6	33.4	38.0	43.2	49.2	55.8	61.9	68.2	75.0
-82.5°	16.5	19.6	23.0	26.7	29.4	32.2	35.3	39.2	43.3	47.5	51.8
-85°	12.6	15.2	17.5	20.0	21.2	22.6	24.1	25.8	28.4	30.9	33.4
-87.5°	6.3	7.6	9.0	10.5	11.1	11.8	12.4	12.9	14.6	16.3	18.1
-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: P627498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-U-NR-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°	0.0	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°	0.3	0.0	0.0	0.0	0.1	1.1	1.5	1.3	0.6	0.0	0.0
62.5°	3.6	3.0	4.7	6.3	7.0	6.7	6.2	5.5	4.7	4.4	5.0
60°	14.6	14.3	20.0	22.7	20.7	14.6	22.9	27.0	26.0	22.3	22.1
57.5°	35.7	43.4	49.0	51.4	59.5	72.5	75.0	70.7	69.1	70.5	81.5
55°	61.9	68.1	71.3	82.4	92.2	99.3	103.5	107.7	113.9	121.5	129.4
52.5°	87.6	96.1	102.6	112.5	124.2	128.3	127.2	142.2	154.0	161.5	164.6
50°	120.2	130.9	146.0	161.5	168.2	174.8	181.7	194.1	212.1	234.5	247.4
47.5°	155.5	172.2	188.1	205.8	214.7	221.7	232.0	253.6	279.2	303.4	316.0
45°	187.2	202.1	220.3	235.6	246.6	260.1	275.0	294.5	323.2	348.5	365.9
42.5°	212.7	229.5	248.2	266.7	277.9	296.0	318.8	345.3	375.3	401.6	421.0
40°	248.4	262.6	292.4	310.0	314.4	331.3	376.9	413.0	447.0	479.3	495.4
37.5°	291.6	319.3	350.2	366.2	381.8	411.7	472.7	531.2	574.5	618.2	642.1
35°	340.5	377.0	419.1	438.0	471.7	536.9	608.4	689.7	790.9	833.3	871.9
32.5°	388.2	429.0	467.9	510.1	569.0	646.9	727.5	859.3	982.5	1077.8	1147.5
30°	430.5	473.7	522.0	576.4	659.2	766.6	901.3	1071.9	1245.5	1397.0	1525.1
27.5°	472.2	521.5	578.8	659.9	776.5	922.4	1137.4	1380.8	1670.5	1884.0	2138.8
25°	518.0	574.3	647.9	765.5	922.9	1140.9	1484.7	1879.8	2354.9	2740.0	3143.1
22.5°	572.2	655.3	748.6	879.8	1154.7	1513.8	1983.5	2658.9	3389.6	4065.2	4715.9
20°	637.6	751.3	901.1	1142.5	1495.5	2026.4	2842.5	3920.4	4995.0	6139.5	7241.3
17.5°	731.0	894.8	1127.6	1471.2	1936.4	2986.7	4310.7	5978.0	8119.9	10061.0	11755.8
15°	818.7	1014.4	1381.9	1895.6	2707.0	4098.9	6110.0	8861.8	12200.0	15242.4	18455.7
12.5°	910.7	1141.7	1563.8	2217.9	3345.3	5157.5	7983.6	11754.2	15934.2	20519.4	25742.1
10°	983.5	1264.1	1769.5	2598.8	3988.5	6245.1	9611.5	14184.3	19739.0	26524.7	34873.6
7.5°	1032.7	1362.1	1939.3	2877.6	4580.6	7357.4	11410.0	16906.3	23850.6	32840.3	44522.6
5°	1071.1	1437.0	2067.0	3131.9	5081.5	8206.6	12742.4	19289.9	27504.7	39549.3	59347.4
2.5°	1102.0	1494.3	2146.1	3307.0	5395.9	8797.8	13636.4	20638.5	29679.8	44509.4	70194.9
0°	1126.1	1546.2	2197.5	3414.9	5636.8	8856.9	13915.4	20885.3	30460.5	45404.6	72529.3
-2.5°	1136.4	1573.9	2215.2	3438.6	5612.6	8958.4	14000.6	21082.4	30431.1	44914.1	69922.1
-5°	1153.5	1573.4	2201.9	3414.4	5486.8	8696.0	13444.6	19979.4	28595.3	41051.2	61539.8
-7.5°	1165.8	1548.4	2138.1	3259.7	5157.4	8128.6	12467.5	18151.6	25253.9	34711.4	47400.6
-10°	1154.6	1500.2	2031.8	3000.2	4645.3	7218.5	10981.9	15738.9	21641.6	28650.4	37271.7
-12.5°	1111.1	1411.3	1858.4	2636.7	3982.1	6199.0	9487.1	13537.5	17906.3	22828.6	28786.0
-15°	1056.2	1315.5	1702.1	2387.3	3490.4	5188.5	7589.1	10874.9	14379.5	18116.7	22102.1
-17.5°	1013.4	1231.3	1551.5	2047.5	2858.8	4209.1	6095.5	8429.7	11005.2	13850.5	16212.2
-20°	955.5	1127.7	1396.5	1801.5	2420.5	3315.1	4689.1	6384.9	8084.3	10084.9	11716.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627498 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-NR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	897.5	1047.5	1252.0	1548.4	2009.0	2684.9	3533.8	4666.1	5908.9	7057.2	8187.5
-25°	843.7	959.2	1124.6	1367.8	1680.3	2141.5	2745.7	3395.3	4214.4	4913.4	5689.1
-27.5°	800.1	899.3	1021.4	1199.7	1442.1	1738.8	2171.4	2606.7	3037.5	3390.2	3924.3
-30°	758.0	837.8	940.0	1067.1	1248.8	1477.5	1758.3	2040.7	2289.3	2516.1	2794.2
-32.5°	716.7	781.7	859.9	965.5	1095.9	1267.8	1440.4	1642.7	1815.5	1975.0	2122.6
-35°	675.3	733.1	792.8	881.7	985.7	1107.8	1233.2	1370.4	1490.0	1597.4	1692.4
-37.5°	637.9	688.6	744.8	811.0	894.8	986.7	1089.2	1188.7	1267.8	1337.5	1395.1
-40°	606.3	652.5	700.5	753.6	817.4	889.9	976.9	1059.9	1115.2	1157.8	1192.8
-42.5°	578.2	618.8	659.7	704.7	753.7	816.5	885.2	953.7	991.3	1024.2	1049.5
-45°	555.6	586.7	621.2	659.6	702.9	755.5	809.5	856.9	890.3	918.6	939.7
-47.5°	525.6	555.7	585.5	617.2	657.6	701.4	746.1	782.5	811.7	836.4	852.5
-50°	492.7	524.3	551.6	579.5	616.7	653.8	689.7	719.8	747.7	771.9	784.6
-52.5°	458.6	492.6	521.2	548.4	579.6	612.0	644.4	670.2	694.5	717.3	727.0
-55°	434.0	465.3	495.0	520.5	546.3	572.2	598.7	625.4	649.4	671.1	677.5
-57.5°	407.5	439.3	468.6	491.6	514.9	538.3	562.5	586.6	609.8	630.5	635.8
-60°	375.1	409.7	435.6	457.4	479.9	503.0	524.1	545.6	567.3	585.4	591.2
-62.5°	334.0	365.4	391.1	414.0	435.8	455.9	476.4	496.5	516.0	530.3	535.0
-65°	284.7	311.4	337.9	361.8	383.3	402.7	421.7	440.0	457.6	470.3	476.5
-67.5°	245.8	265.0	286.3	306.9	328.5	348.5	365.5	381.7	396.8	407.4	414.2
-70°	208.3	226.6	246.5	266.1	284.9	301.2	314.8	328.1	341.0	350.4	357.5
-72.5°	172.4	187.9	204.5	221.8	239.0	253.7	266.2	278.1	289.2	297.3	303.9
-75°	140.0	152.8	166.8	180.8	194.7	206.4	216.8	227.1	237.0	244.2	250.2
-77.5°	111.1	122.0	132.9	143.9	154.8	163.3	170.9	178.5	185.8	191.5	196.6
-80°	82.3	90.8	99.5	108.3	117.0	123.5	129.3	134.8	140.0	143.3	146.3
-82.5°	56.2	62.2	68.3	74.5	80.7	85.4	90.0	94.6	99.0	100.6	101.7
-85°	35.9	38.9	42.1	45.4	49.0	51.6	54.1	56.5	58.8	60.9	62.9
-87.5°	19.9	20.5	21.0	21.6	22.0	23.8	25.7	27.5	29.4	29.7	29.9
-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: P627498 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-U-NR-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	0.6	1.3
62.5°	5.5	5.8	6.0	6.1	6.0	5.8	5.5	5.0	4.4	4.7	5.5
60°	20.8	18.6	18.1	18.3	18.1	18.6	20.8	22.1	22.3	26.0	27.0
57.5°	92.6	103.0	105.9	103.5	105.9	103.0	92.6	81.5	70.5	69.1	70.7
55°	134.8	138.0	139.5	140.0	139.5	138.0	134.8	129.4	121.5	113.9	107.7
52.5°	165.3	164.2	164.0	164.4	164.0	164.2	165.3	164.6	161.5	154.0	142.2
50°	248.4	243.8	242.1	243.5	242.1	243.8	248.4	247.4	234.5	212.1	194.1
47.5°	317.5	318.9	321.0	322.6	321.0	318.9	317.5	316.0	303.4	279.2	253.6
45°	370.7	374.0	376.2	377.4	376.2	374.0	370.7	365.9	348.5	323.2	294.5
42.5°	425.2	425.6	424.9	426.1	424.9	425.6	425.2	421.0	401.6	375.3	345.3
40°	501.9	503.5	501.8	499.2	501.8	503.5	501.9	495.4	479.3	447.0	413.0
37.5°	656.0	658.2	650.9	645.2	650.9	658.2	656.0	642.1	618.2	574.5	531.2
35°	907.2	933.2	945.6	949.6	945.6	933.2	907.2	871.9	833.3	790.9	689.7
32.5°	1195.7	1231.9	1250.1	1266.1	1250.1	1231.9	1195.7	1147.5	1077.8	982.5	859.3
30°	1609.1	1675.8	1705.3	1747.0	1705.3	1675.8	1609.1	1525.1	1397.0	1245.5	1071.9
27.5°	2283.4	2400.9	2465.9	2526.2	2465.9	2400.9	2283.4	2138.8	1884.0	1670.5	1380.8
25°	3436.0	3662.1	3808.5	3877.6	3808.5	3662.1	3436.0	3143.1	2740.0	2354.9	1879.8
22.5°	5345.4	5762.2	6083.7	6148.1	6083.7	5762.2	5345.4	4715.9	4065.2	3389.6	2658.9
20°	8310.2	8906.6	9391.8	9636.1	9391.8	8906.6	8310.2	7241.3	6139.5	4995.0	3920.4
17.5°	13774.4	15015.0	15581.6	15674.6	15581.6	15015.0	13774.4	11755.8	10061.0	8119.9	5978.0
15°	21903.5	24002.7	25335.3	26193.3	25335.3	24002.7	21903.5	18455.7	15242.4	12200.0	8861.8
12.5°	31178.6	37143.4	40537.4	41831.4	40537.4	37143.4	31178.6	25742.1	20519.4	15934.2	11754.2
10°	43767.0	57808.9	65908.9	69984.8	65908.9	57808.9	43767.0	34873.6	26524.7	19739.0	14184.3
7.5°	65132.5	86820.5	110849.8	121966.7	110849.8	86820.5	65132.5	44522.6	32840.3	23850.6	16906.3
5°	87592.8	135210.6	177005.2	197019.2	177005.2	135210.6	87592.8	59347.4	39549.3	27504.7	19289.9
2.5°	113407.3	177624.5	236998.4	261963.8	236998.4	177624.5	113407.3	70194.9	44509.4	29679.8	20638.5
0°	123342.4	198145.3	263080.8	287584.9	263080.8	198145.3	123342.4	72529.3	45404.6	30460.5	20885.3
-2.5°	114943.2	180735.5	238018.5	266017.9	238018.5	180735.5	114943.2	69922.1	44914.1	30431.1	21082.4
-5°	91328.3	135955.8	178379.4	201195.0	178379.4	135955.8	91328.3	61539.8	41051.2	28595.3	19979.4
-7.5°	67029.3	91324.0	114884.6	123123.3	114884.6	91324.0	67029.3	47400.6	34711.4	25253.9	18151.6
-10°	46667.2	60579.2	69762.5	72383.2	69762.5	60579.2	46667.2	37271.7	28650.4	21641.6	15738.9
-12.5°	34599.0	40684.1	44918.0	45654.2	44918.0	40684.1	34599.0	28786.0	22828.6	17906.3	13537.5
-15°	25619.7	28714.2	30897.8	31044.9	30897.8	28714.2	25619.7	22102.1	18116.7	14379.5	10874.9
-17.5°	18728.1	20805.3	21907.3	21828.8	21907.3	20805.3	18728.1	16212.2	13850.5	11005.2	8429.7
-20°	13391.7	14643.8	15531.7	15358.1	15531.7	14643.8	13391.7	11716.4	10084.9	8084.3	6384.9

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REPORT NUMBER: P627498 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-NR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9337.6	10168.8	10689.1	10555.3	10689.1	10168.8	9337.6	8187.5	7057.2	5908.9	4666.1
-25°	6344.8	6797.6	7055.4	7012.5	7055.4	6797.6	6344.8	5689.1	4913.4	4214.4	3395.3
-27.5°	4323.6	4562.8	4642.7	4638.5	4642.7	4562.8	4323.6	3924.3	3390.2	3037.5	2606.7
-30°	3001.0	3161.7	3253.6	3195.8	3253.6	3161.7	3001.0	2794.2	2516.1	2289.3	2040.7
-32.5°	2236.7	2327.4	2379.8	2325.3	2379.8	2327.4	2236.7	2122.6	1975.0	1815.5	1642.7
-35°	1762.7	1808.5	1827.0	1795.7	1827.0	1808.5	1762.7	1692.4	1597.4	1490.0	1370.4
-37.5°	1437.1	1464.0	1473.1	1454.8	1473.1	1464.0	1437.1	1395.1	1337.5	1267.8	1188.7
-40°	1217.7	1234.2	1238.3	1223.5	1238.3	1234.2	1217.7	1192.8	1157.8	1115.2	1059.9
-42.5°	1065.5	1075.3	1077.6	1071.4	1077.6	1075.3	1065.5	1049.5	1024.2	991.3	953.7
-45°	952.3	960.7	962.2	955.7	962.2	960.7	952.3	939.7	918.6	890.3	856.9
-47.5°	860.5	865.7	867.1	864.4	867.1	865.7	860.5	852.5	836.4	811.7	782.5
-50°	790.3	793.9	794.2	791.3	794.2	793.9	790.3	784.6	771.9	747.7	719.8
-52.5°	731.5	734.1	735.8	736.6	735.8	734.1	731.5	727.0	717.3	694.5	670.2
-55°	682.0	685.3	687.2	687.9	687.2	685.3	682.0	677.5	671.1	649.4	625.4
-57.5°	639.9	642.8	644.6	645.2	644.6	642.8	639.9	635.8	630.5	609.8	586.6
-60°	596.0	599.6	601.8	602.6	601.8	599.6	596.0	591.2	585.4	567.3	545.6
-62.5°	538.1	539.7	541.2	541.8	541.2	539.7	538.1	535.0	530.3	516.0	496.5
-65°	481.3	484.5	486.4	487.0	486.4	484.5	481.3	476.5	470.3	457.6	440.0
-67.5°	419.6	423.9	428.4	432.2	428.4	423.9	419.6	414.2	407.4	396.8	381.7
-70°	363.8	369.2	370.9	371.3	370.9	369.2	363.8	357.5	350.4	341.0	328.1
-72.5°	309.7	314.7	319.0	322.6	319.0	314.7	309.7	303.9	297.3	289.2	278.1
-75°	255.6	260.3	261.5	261.8	261.5	260.3	255.6	250.2	244.2	237.0	227.1
-77.5°	201.4	205.8	206.7	207.0	206.7	205.8	201.4	196.6	191.5	185.8	178.5
-80°	149.0	151.4	155.0	158.3	155.0	151.4	149.0	146.3	143.3	140.0	134.8
-82.5°	102.5	103.1	103.4	103.5	103.4	103.1	102.5	101.7	100.6	99.0	94.6
-85°	64.9	66.7	66.9	67.0	66.9	66.7	64.9	62.9	60.9	58.8	56.5
-87.5°	30.1	30.3	30.4	30.4	30.4	30.3	30.1	29.9	29.7	29.4	27.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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	0.0	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	0.4
65°	1.5	1.1	0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.2	1.6
62.5°	6.2	6.7	7.0	6.3	4.7	3.0	3.6	4.3	2.9	0.6	2.1
60°	22.9	14.6	20.7	22.7	20.0	14.3	14.6	13.6	11.2	8.9	5.9
57.5°	75.0	72.5	59.5	51.4	49.0	43.4	35.7	28.4	25.1	20.2	14.3
55°	103.5	99.3	92.2	82.4	71.3	68.1	61.9	53.2	44.6	34.5	28.0
52.5°	127.2	128.3	124.2	112.5	102.6	96.1	87.6	79.2	68.9	59.1	46.1
50°	181.7	174.8	168.2	161.5	146.0	130.9	120.2	108.7	93.9	82.9	71.9
47.5°	232.0	221.7	214.7	205.8	188.1	172.2	155.5	139.2	120.7	103.5	92.6
45°	275.0	260.1	246.6	235.6	220.3	202.1	187.2	169.1	148.1	128.0	109.3
42.5°	318.8	296.0	277.9	266.7	248.2	229.5	212.7	198.8	175.9	152.5	133.6
40°	376.9	331.3	314.4	310.0	292.4	262.6	248.4	233.2	208.8	178.2	159.6
37.5°	472.7	411.7	381.8	366.2	350.2	319.3	291.6	271.6	249.7	215.2	188.6
35°	608.4	536.9	471.7	438.0	419.1	377.0	340.5	313.0	287.0	254.3	219.8
32.5°	727.5	646.9	569.0	510.1	467.9	429.0	388.2	354.2	320.0	286.6	252.7
30°	901.3	766.6	659.2	576.4	522.0	473.7	430.5	389.4	350.7	315.6	281.4
27.5°	1137.4	922.4	776.5	659.9	578.8	521.5	472.2	424.3	380.1	342.3	307.2
25°	1484.7	1140.9	922.9	765.5	647.9	574.3	518.0	462.6	411.1	368.0	338.3
22.5°	1983.5	1513.8	1154.7	879.8	748.6	655.3	572.2	502.5	444.0	405.5	370.4
20°	2842.5	2026.4	1495.5	1142.5	901.1	751.3	637.6	555.7	496.0	446.5	402.8
17.5°	4310.7	2986.7	1936.4	1471.2	1127.6	894.8	731.0	622.3	547.1	487.7	435.6
15°	6110.0	4098.9	2707.0	1895.6	1381.9	1014.4	818.7	688.3	599.4	530.8	468.5
12.5°	7983.6	5157.5	3345.3	2217.9	1563.8	1141.7	910.7	763.5	651.7	562.0	490.3
10°	9611.5	6245.1	3988.5	2598.8	1769.5	1264.1	983.5	811.0	682.9	584.4	508.8
7.5°	11410.0	7357.4	4580.6	2877.6	1939.3	1362.1	1032.7	842.8	708.7	603.2	524.0
5°	12742.4	8206.6	5081.5	3131.9	2067.0	1437.0	1071.1	865.6	728.9	618.1	536.0
2.5°	13636.4	8797.8	5395.9	3307.0	2146.1	1494.3	1102.0	887.0	744.6	633.3	549.4
0°	13915.4	8856.9	5636.8	3414.9	2197.5	1546.2	1126.1	907.0	754.8	645.2	560.0
-2.5°	14000.6	8958.4	5612.6	3438.6	2215.2	1573.9	1136.4	910.7	762.7	649.7	561.5
-5°	13444.6	8696.0	5486.8	3414.4	2201.9	1573.4	1153.5	917.4	767.3	651.3	560.3
-7.5°	12467.5	8128.6	5157.4	3259.7	2138.1	1548.4	1165.8	926.0	771.4	656.1	564.6
-10°	10981.9	7218.5	4645.3	3000.2	2031.8	1500.2	1154.6	921.3	768.7	655.3	565.6
-12.5°	9487.1	6199.0	3982.1	2636.7	1858.4	1411.3	1111.1	902.4	759.1	648.6	562.9
-15°	7589.1	5188.5	3490.4	2387.3	1702.1	1315.5	1056.2	872.9	742.8	636.5	556.6
-17.5°	6095.5	4209.1	2858.8	2047.5	1551.5	1231.3	1013.4	848.9	723.7	624.3	548.0
-20°	4689.1	3315.1	2420.5	1801.5	1396.5	1127.7	955.5	813.7	701.6	611.6	539.8

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REPORT NUMBER: P627498 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-NR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3533.8	2684.9	2009.0	1548.4	1252.0	1047.5	897.5	774.3	674.9	593.4	529.1
-25°	2745.7	2141.5	1680.3	1367.8	1124.6	959.2	843.7	743.2	653.7	575.4	516.3
-27.5°	2171.4	1738.8	1442.1	1199.7	1021.4	899.3	800.1	710.8	630.8	561.8	503.2
-30°	1758.3	1477.5	1248.8	1067.1	940.0	837.8	758.0	683.3	609.5	544.3	489.2
-32.5°	1440.4	1267.8	1095.9	965.5	859.9	781.7	716.7	653.7	583.5	526.4	474.6
-35°	1233.2	1107.8	985.7	881.7	792.8	733.1	675.3	616.4	559.1	506.0	457.8
-37.5°	1089.2	986.7	894.8	811.0	744.8	688.6	637.9	585.9	533.9	485.2	440.7
-40°	976.9	889.9	817.4	753.6	700.5	652.5	606.3	558.3	512.0	463.2	422.1
-42.5°	885.2	816.5	753.7	704.7	659.7	618.8	578.2	536.3	490.9	444.7	401.3
-45°	809.5	755.5	702.9	659.6	621.2	586.7	555.6	513.7	469.3	423.1	379.0
-47.5°	746.1	701.4	657.6	617.2	585.5	555.7	525.6	488.7	442.1	398.5	361.0
-50°	689.7	653.8	616.7	579.5	551.6	524.3	492.7	454.1	413.9	378.0	342.7
-52.5°	644.4	612.0	579.6	548.4	521.2	492.6	458.6	425.3	391.0	357.3	324.7
-55°	598.7	572.2	546.3	520.5	495.0	465.3	434.0	400.9	367.3	335.8	302.6
-57.5°	562.5	538.3	514.9	491.6	468.6	439.3	407.5	375.1	340.5	308.7	277.4
-60°	524.1	503.0	479.9	457.4	435.6	409.7	375.1	341.7	309.8	279.6	249.4
-62.5°	476.4	455.9	435.8	414.0	391.1	365.4	334.0	303.3	275.6	249.3	222.2
-65°	421.7	402.7	383.3	361.8	337.9	311.4	284.7	262.1	240.8	218.5	194.6
-67.5°	365.5	348.5	328.5	306.9	286.3	265.0	245.8	226.5	206.5	186.1	164.6
-70°	314.8	301.2	284.9	266.1	246.5	226.6	208.3	190.3	171.8	154.6	138.2
-72.5°	266.2	253.7	239.0	221.8	204.5	187.9	172.4	157.8	143.3	129.1	114.5
-75°	216.8	206.4	194.7	180.8	166.8	152.8	140.0	128.1	116.0	103.5	91.1
-77.5°	170.9	163.3	154.8	143.9	132.9	122.0	111.1	100.4	90.3	80.9	72.3
-80°	129.3	123.5	117.0	108.3	99.5	90.8	82.3	75.0	68.2	61.9	55.8
-82.5°	90.0	85.4	80.7	74.5	68.3	62.2	56.2	51.8	47.5	43.3	39.2
-85°	54.1	51.6	49.0	45.4	42.1	38.9	35.9	33.4	30.9	28.4	25.8
-87.5°	25.7	23.8	22.0	21.6	21.0	20.5	19.9	18.1	16.3	14.6	12.9
-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):

	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°	0.0	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	0.2	0.5	0.1	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.4	1.3	0.4
70°	0.0	0.0	0.0	0.5	0.6	0.0	0.0	0.8	2.3	2.6	1.9
67.5°	0.0	0.0	0.0	1.3	2.1	1.7	0.4	1.0	2.5	3.9	3.4
65°	2.1	1.4	0.1	1.6	3.0	4.0	3.0	1.8	2.7	4.1	5.1
62.5°	3.6	4.6	3.5	2.5	3.4	4.8	5.6	3.8	3.2	4.3	5.7
60°	4.0	5.5	6.2	4.8	4.3	5.1	6.1	5.6	4.4	4.6	5.9
57.5°	10.7	6.9	6.9	6.6	5.5	5.6	6.1	6.1	5.4	5.1	6.1
55°	19.9	14.6	10.3	8.3	6.9	6.0	6.3	6.1	6.1	5.6	6.1
52.5°	34.6	25.1	18.4	12.5	9.3	6.9	6.9	6.1	6.1	6.0	6.1
50°	55.1	39.6	29.0	20.9	13.0	10.2	7.9	7.1	6.1	6.1	6.1
47.5°	80.5	59.2	42.3	30.5	21.4	13.8	10.8	8.4	6.1	6.1	6.1
45°	99.4	82.5	59.0	42.7	30.1	20.7	14.6	10.0	7.6	6.3	6.1
42.5°	117.9	102.7	80.3	54.7	41.4	28.6	18.6	13.5	9.3	6.7	6.3
40°	141.6	122.5	100.7	74.6	53.7	36.3	25.3	17.3	11.2	7.8	6.8
37.5°	166.0	144.7	120.8	93.7	67.8	48.1	32.1	21.4	14.1	9.9	7.4
35°	193.4	167.8	140.8	112.0	84.4	60.3	38.6	26.2	17.9	12.1	8.1
32.5°	221.1	189.9	159.4	129.8	99.9	72.9	47.8	32.5	21.6	14.5	9.0
30°	247.9	211.9	176.5	146.8	114.7	86.2	59.4	39.3	25.2	16.9	10.2
27.5°	272.3	233.4	193.1	161.9	129.6	98.7	71.0	46.7	28.6	19.6	12.1
25°	297.8	255.3	212.1	175.4	143.5	111.3	81.8	54.6	33.7	22.5	14.1
22.5°	326.9	277.3	230.3	187.5	158.2	123.6	92.1	63.9	39.8	25.2	16.0
20°	358.0	299.2	248.7	204.8	171.9	136.3	102.4	72.5	46.1	27.8	17.9
17.5°	389.9	323.1	270.9	224.5	185.5	148.1	112.2	80.3	52.3	30.3	19.8
15°	411.5	347.2	290.8	242.9	199.1	159.0	121.4	87.4	58.5	32.6	21.7
12.5°	429.7	367.8	308.4	260.0	212.5	168.9	130.0	93.8	64.5	35.7	23.6
10°	445.7	385.3	323.7	275.6	225.5	178.0	137.9	99.5	70.1	39.6	25.2
7.5°	459.5	399.6	336.9	289.7	237.9	187.1	144.5	104.4	74.9	43.6	26.8
5°	471.0	412.0	347.9	298.8	249.3	196.6	150.0	108.8	79.0	47.5	28.1
2.5°	480.3	423.3	357.3	305.5	259.3	205.4	154.6	112.5	82.4	51.3	29.4
0°	487.0	432.2	365.2	310.4	267.8	213.1	158.3	115.7	85.2	54.8	30.4
-2.5°	491.4	433.7	373.6	316.2	272.9	219.4	165.7	119.6	87.5	57.9	32.2
-5°	493.3	433.5	379.9	320.6	276.6	224.5	171.9	122.8	89.2	60.6	33.9
-7.5°	496.1	435.5	383.3	324.0	279.1	228.4	176.6	125.2	90.6	62.7	35.4
-10°	497.1	437.6	384.1	328.4	281.1	231.3	179.7	126.7	91.6	64.3	36.7
-12.5°	495.7	437.4	383.9	330.7	282.1	232.9	181.3	129.1	92.5	65.3	37.8
-15°	491.8	434.8	383.0	331.0	281.9	233.6	181.8	131.3	94.3	65.5	38.8
-17.5°	485.7	429.8	381.6	329.0	280.8	233.2	181.3	132.3	95.3	65.1	39.7
-20°	479.6	425.1	379.6	324.6	278.7	231.9	179.7	132.1	95.2	64.1	40.5



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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°	471.7	420.8	372.8	320.2	275.6	229.8	177.2	130.6	94.2	62.7	41.0
-25°	461.7	414.2	365.1	316.8	271.8	225.5	174.3	127.7	92.0	60.8	41.2
-27.5°	451.8	405.3	357.0	312.0	266.5	220.2	170.3	125.0	88.9	58.4	41.1
-30°	440.1	395.3	349.9	305.5	259.1	212.8	164.8	120.8	85.6	57.1	40.6
-32.5°	427.4	385.2	341.9	295.7	249.8	204.6	157.6	115.1	81.7	56.4	40.2
-35°	414.6	374.0	332.2	283.5	239.8	195.6	150.4	107.8	77.4	55.2	39.6
-37.5°	399.6	360.0	316.5	270.4	229.1	186.1	143.7	103.6	72.5	53.7	38.9
-40°	382.4	342.9	298.5	258.1	217.9	175.9	136.4	99.8	69.4	51.6	38.0
-42.5°	363.2	323.8	284.1	245.5	206.1	167.2	128.9	95.0	68.0	50.0	36.9
-45°	343.5	306.5	270.6	232.6	194.3	158.2	122.5	89.8	66.0	48.5	35.7
-47.5°	325.0	291.8	256.0	218.6	183.9	148.9	115.1	86.4	63.1	46.9	34.5
-50°	309.5	275.7	239.9	204.5	171.8	139.5	107.5	81.9	60.7	45.1	33.0
-52.5°	291.5	257.4	222.4	188.9	158.8	128.9	101.0	76.6	57.4	42.8	31.2
-55°	270.2	236.3	202.8	173.4	145.3	118.9	93.3	71.0	53.1	40.3	29.1
-57.5°	245.2	212.4	184.8	158.1	131.7	107.7	84.8	64.4	49.2	37.4	26.8
-60°	219.5	192.9	167.7	141.7	117.4	95.6	75.1	57.7	45.3	34.1	24.3
-62.5°	196.7	172.4	147.6	123.8	102.6	82.9	65.1	52.5	41.0	30.6	21.5
-65°	171.1	148.1	125.9	106.3	87.5	71.0	58.4	46.8	36.3	26.8	18.9
-67.5°	143.6	125.2	106.5	88.7	74.8	62.6	51.3	40.8	31.3	22.8	17.4
-70°	121.3	104.1	88.8	76.2	64.7	53.8	43.7	34.4	26.0	20.4	15.6
-72.5°	100.1	86.9	74.8	64.0	54.0	44.6	35.8	28.2	22.7	17.8	13.8
-75°	79.8	70.2	60.7	51.4	42.9	35.1	29.4	23.8	19.1	15.1	12.1
-77.5°	63.9	55.4	46.7	40.0	34.8	29.5	24.2	19.2	15.9	13.1	10.4
-80°	49.2	43.2	38.0	33.4	28.6	23.8	19.7	16.2	13.7	11.2	8.7
-82.5°	35.3	32.2	29.4	26.7	23.0	19.6	16.5	13.7	11.5	9.2	6.8
-85°	24.1	22.6	21.2	20.0	17.5	15.2	12.6	10.3	8.1	6.2	4.6
-87.5°	12.4	11.8	11.1	10.5	9.0	7.6	6.3	5.1	4.1	3.1	2.3
-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°	0.0	0.0	0.0	0.0	0.0	0.1	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.3	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.5	0.0
77.5°	0.1	0.1	0.0	0.0	0.1	0.7	0.0
75°	0.2	0.5	0.1	0.0	0.1	0.8	0.0
72.5°	0.3	0.9	0.7	0.0	0.2	1.0	0.0
70°	0.7	1.4	1.2	0.1	0.3	1.1	0.0
67.5°	2.2	1.9	1.8	0.7	0.4	1.3	0.0
65°	3.5	2.6	2.5	1.3	0.5	1.4	0.0
62.5°	4.8	3.5	3.1	1.9	0.6	1.6	0.0
60°	6.0	4.3	3.8	2.6	0.8	1.7	0.0
57.5°	6.1	5.0	4.3	3.2	1.3	1.9	0.0
55°	6.1	5.6	4.7	3.9	1.8	2.1	0.0
52.5°	6.1	6.1	5.1	4.5	2.3	2.2	0.0
50°	6.1	6.1	5.4	5.2	2.8	2.4	0.0
47.5°	6.1	6.1	5.7	5.8	3.2	2.6	0.0
45°	6.1	6.1	5.9	5.9	3.6	2.8	0.0
42.5°	6.1	6.1	6.0	6.1	3.9	3.0	0.0
40°	6.1	6.1	6.1	6.1	4.3	3.2	0.0
37.5°	6.1	6.1	6.1	6.1	4.6	3.4	0.0
35°	6.1	6.1	6.1	6.1	4.8	3.6	0.0
32.5°	6.3	6.1	6.1	6.1	5.1	3.8	0.0
30°	6.9	6.1	6.1	6.1	5.3	4.0	0.0
27.5°	7.6	6.1	6.1	6.1	5.5	4.2	0.0
25°	8.3	6.1	6.1	6.1	5.6	4.4	0.0
22.5°	9.1	6.2	6.1	6.1	5.7	4.6	0.0
20°	9.9	6.7	6.1	6.1	5.8	4.8	0.0
17.5°	10.9	7.2	6.1	6.1	5.9	4.9	0.0
15°	12.2	7.8	6.1	6.1	6.0	5.1	0.0
12.5°	13.4	8.5	6.1	6.1	6.0	5.3	0.0
10°	14.5	9.2	6.1	6.1	6.1	5.5	0.0
7.5°	15.5	10.0	6.1	6.1	6.1	5.7	0.0
5°	16.5	10.8	6.1	6.1	6.1	5.8	0.0
2.5°	17.4	11.5	6.1	6.1	6.1	6.0	0.0
0°	18.3	12.2	6.1	6.1	6.1	6.1	0.0
-2.5°	19.9	12.8	6.6	6.1	6.1	6.1	0.0
-5°	21.4	13.4	7.2	6.1	6.1	6.1	0.0
-7.5°	22.7	14.0	7.7	6.1	6.1	6.0	0.0
-10°	23.9	14.4	8.1	6.1	6.1	6.0	0.0
-12.5°	24.9	14.8	8.5	6.1	6.1	6.0	0.0
-15°	25.6	15.2	8.8	6.1	6.1	5.9	0.0
-17.5°	26.1	15.4	9.1	6.1	6.1	5.8	0.0
-20°	26.5	15.6	9.3	6.1	6.1	5.7	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	26.8	15.8	9.4	6.1	6.1	5.6	0.0
-25°	27.0	16.2	9.3	6.1	6.1	5.5	0.0
-27.5°	27.0	16.6	9.2	6.1	6.1	5.4	0.0
-30°	26.9	16.8	9.0	6.1	6.1	5.3	0.0
-32.5°	26.6	17.0	8.9	6.1	6.1	5.1	0.0
-35°	26.5	16.9	8.8	6.1	6.1	5.0	0.0
-37.5°	26.4	16.7	8.6	6.1	6.1	4.8	0.0
-40°	26.1	16.4	8.3	6.1	6.1	4.7	0.0
-42.5°	25.5	15.9	8.2	6.2	6.1	4.5	0.0
-45°	24.7	15.3	8.4	6.3	6.1	4.3	0.0
-47.5°	23.7	14.5	8.6	6.4	6.1	4.1	0.0
-50°	22.5	13.5	8.7	6.5	6.1	3.9	0.0
-52.5°	21.1	12.4	8.7	6.6	6.1	3.7	0.0
-55°	19.5	12.1	8.6	6.6	6.1	3.5	0.0
-57.5°	17.7	11.8	8.5	6.6	6.1	3.3	0.0
-60°	15.8	11.4	8.3	6.6	6.1	3.0	0.0
-62.5°	15.0	10.9	8.1	6.5	5.6	2.8	0.0
-65°	14.1	10.4	7.8	6.4	5.2	2.6	0.0
-67.5°	13.0	9.7	7.5	6.3	4.7	2.3	0.0
-70°	11.8	9.0	7.1	6.1	4.2	2.1	0.0
-72.5°	10.6	8.2	6.6	5.5	3.7	1.8	0.0
-75°	9.2	7.3	6.2	4.7	3.2	1.6	0.0
-77.5°	7.8	6.4	5.3	4.0	2.6	1.3	0.0
-80°	6.3	5.3	4.2	3.2	2.1	1.1	0.0
-82.5°	4.7	4.0	3.2	2.4	1.6	0.8	0.0
-85°	3.2	2.6	2.1	1.6	1.1	0.5	0.0
-87.5°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)