

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: P627195 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3D-727-U-MR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P627195 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-13)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA3D-727-U-MR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQUARE, MEDIUM SYMMETRICAL ROUND N64  
Light Source: (48) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

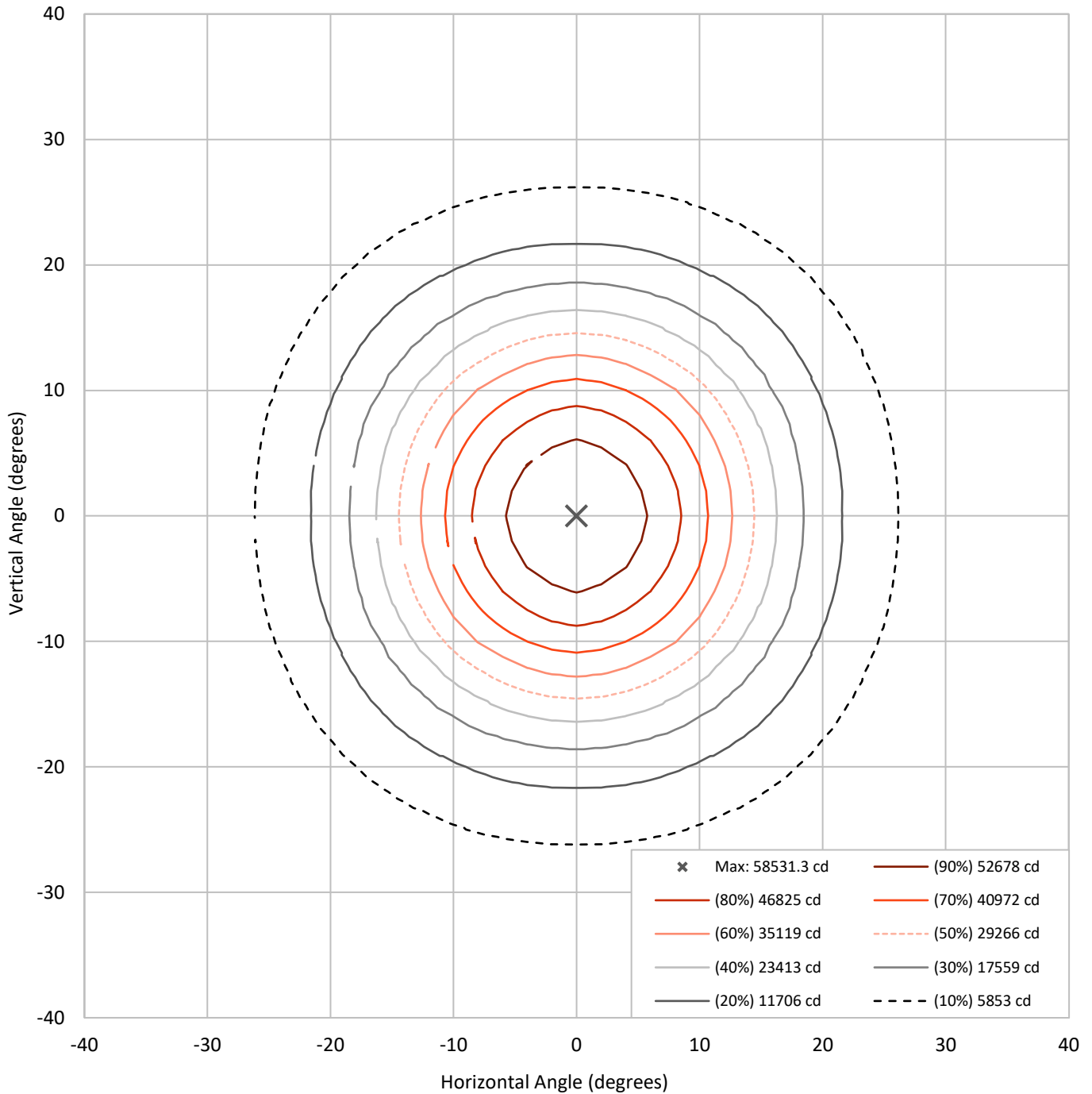
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	18287.2 lumens	Max Intensity:	58531.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	114.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	28.8°H x 29°V	Field Angle (10%):	52.3°H x 52.3°V
Beam Lumens:	8891 lumens	Field Lumens:	15004.4 lumens
Beam Efficiency:	48.6%	Field Efficiency:	82.0%
Input Watts (W):	160.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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### Iso-Candela Plot





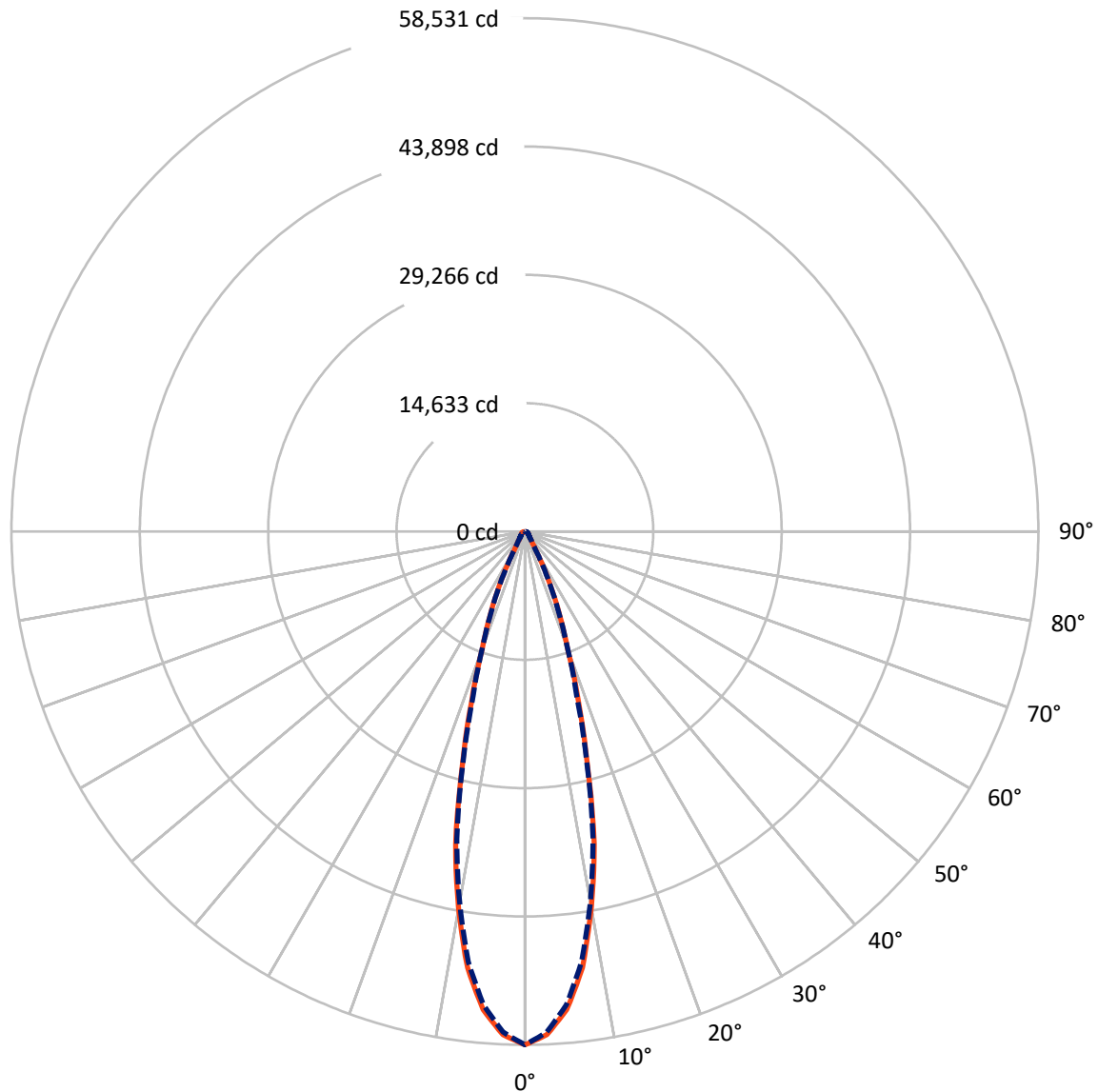
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### Lumen Table

90	0.3	3.0		7.9		12.5		13.9		12.5		7.9		3.0		0.3			
80	0.3	3.0		7.9		12.5		13.9		12.5		7.9		3.0		0.3			
70	1.4	1.6	3.2	5.2	7.2	8.8	9.9	10.4	10.4	9.9	8.8	7.2	5.2	3.2	1.6	1.4			
60		2.3	4.7	7.6	10.2	12.6	14.1	14.6	14.6	14.1	12.6	10.2	7.6	4.7	2.3				
50	2.4	3.0	6.1	9.4	12.5	15.8	18.6	20.0	20.0	18.6	15.8	12.5	9.4	6.1	3.0	2.4			
40		3.5	7.1	10.9	15.4	21.9	31.7	41.2	41.2	31.7	21.9	15.4	10.9	7.1	3.5				
30	3.1	4.0	7.8	12.2	19.7	42.8	120.4	213.5	213.5	120.4	42.8	19.7	12.2	7.8	4.0	3.1			
20		4.2	8.2	13.3	26.8	112.2	400.0	766.5	766.5	400.0	112.2	26.8	13.3	8.2	4.2				
10	3.3	4.4	8.3	14.0	34.0	193.7	740.4	1456.4	1456.4	740.4	193.7	34.0	14.0	8.3	4.4	3.3			
0		4.4	8.3	14.0	34.0	193.7	740.4	1456.4	1456.4	740.4	193.7	34.0	14.0	8.3	4.4				
-10	3.1	4.2	8.2	13.3	26.8	112.2	400.0	766.5	766.5	400.0	112.2	26.8	13.3	8.2	4.2	3.1			
-20		4.0	7.8	12.2	19.7	42.8	120.4	213.5	213.5	120.4	42.8	19.7	12.2	7.8	4.0				
-30	2.4	3.5	7.1	10.9	15.4	21.9	31.7	41.2	41.2	31.7	21.9	15.4	10.9	7.1	3.5	2.4			
-40		3.0	6.1	9.4	12.5	15.8	18.6	20.0	20.0	18.6	15.8	12.5	9.4	6.1	3.0				
-50	1.4	2.3	4.7	7.6	10.2	12.6	14.1	14.6	14.6	14.1	12.6	10.2	7.6	4.7	2.3	1.4			
-60		1.6	3.2	5.2	7.2	8.8	9.9	10.4	10.4	9.9	8.8	7.2	5.2	3.2	1.6				
-70	0.3	3.0		7.9		12.5		13.9		12.5		7.9		3.0		0.3			
-80		3.0		7.9		12.5		13.9		12.5		7.9		3.0					
-90	0.3	3.0		7.9		12.5		13.9		12.5		7.9		3.0		0.3			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
	Horizontal Angle (degrees)																		

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### Luminous Intensity Polar Plot

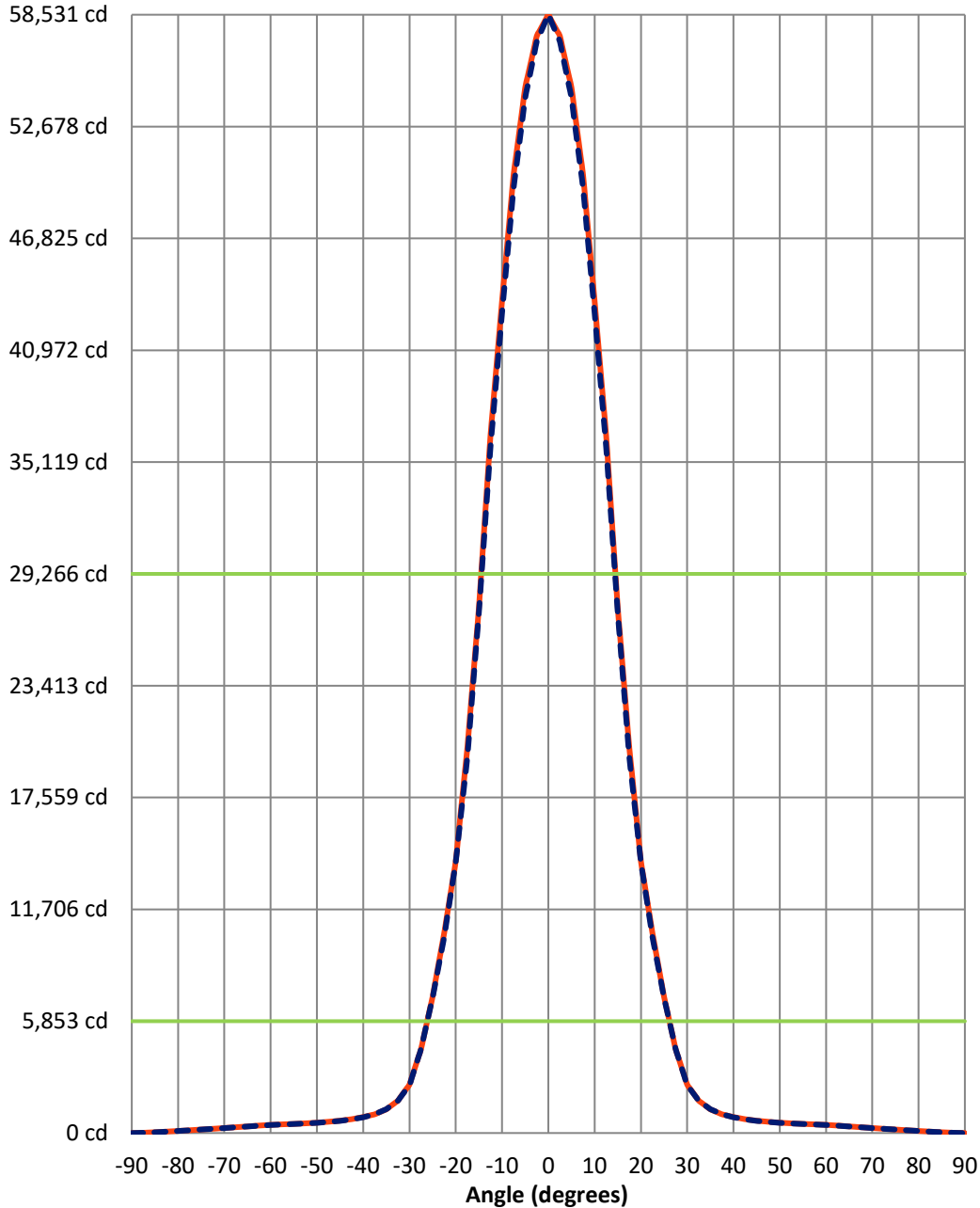


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg



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### Luminous Intensity Plot



**Beam:**  
H Angle: 28.8°  
V Angle: 29°  
Lumens: 8891  
Efficiency: 48.6%

**Field:**  
H Angle: 52.3°  
V Angle: 52.3°  
Lumens: 15004.4  
Efficiency: 82.0%

**Spill:**  
Lumens: 3282.8  
Efficiency: 18.0%

— 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	0.7	1.3	2.0	2.6	3.2	3.9	4.5	5.1	5.7	6.3
85°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.0	10.2	11.5	12.7
82.5°	0.0	2.0	3.9	5.9	7.8	9.7	11.6	13.5	15.7	19.2	23.0
80°	0.0	2.6	5.2	7.8	10.4	12.9	15.8	20.4	25.2	30.2	35.5
77.5°	0.0	3.2	6.5	9.7	12.9	16.9	22.5	28.4	34.6	41.1	48.3
75°	0.0	3.9	7.8	11.6	15.8	22.5	29.1	36.2	44.0	53.1	62.1
72.5°	0.0	4.5	9.0	13.5	20.2	28.0	35.7	44.5	55.1	65.5	75.8
70°	0.0	5.1	10.2	15.6	24.5	33.4	42.4	54.1	66.0	77.8	90.6
67.5°	0.0	5.7	11.5	18.8	28.8	38.7	50.6	63.5	76.8	91.2	105.4
65°	0.0	6.3	12.7	22.0	33.0	44.7	58.6	72.8	88.5	104.4	120.4
62.5°	0.0	6.9	13.8	25.1	37.1	51.2	66.5	82.6	100.1	117.5	135.8
60°	0.0	7.5	15.0	28.1	41.1	57.7	74.2	92.5	111.3	130.7	150.7
57.5°	0.0	8.1	16.9	31.0	46.1	64.0	82.4	102.1	122.5	143.6	165.5
55°	0.0	8.6	18.8	33.9	51.0	70.1	90.3	111.5	133.4	156.1	180.0
52.5°	0.0	9.1	20.7	36.6	55.7	76.1	97.9	120.6	143.8	168.7	194.1
50°	0.0	9.6	22.5	39.3	60.3	82.2	105.3	129.4	154.0	181.0	207.1
47.5°	0.0	10.1	24.2	42.1	64.8	88.0	112.3	137.9	164.5	192.8	219.4
45°	0.0	10.6	25.9	45.3	69.1	93.5	119.3	146.0	174.7	203.3	231.1
42.5°	0.0	11.1	27.5	48.4	73.1	98.8	126.0	154.1	184.3	213.1	241.9
40°	0.0	11.5	29.0	51.2	77.1	103.8	132.3	162.0	193.1	222.3	252.0
37.5°	0.0	11.9	30.4	53.9	80.8	108.4	138.3	169.4	200.9	231.2	261.6
35°	0.0	12.3	31.8	56.5	84.4	113.0	144.0	176.3	208.3	239.5	270.6
32.5°	0.0	12.6	33.0	58.8	87.7	117.4	149.4	182.7	215.2	247.3	279.3
30°	0.0	13.0	34.2	60.9	90.7	121.5	154.5	188.5	221.6	254.6	287.4
27.5°	0.0	13.3	35.3	62.8	93.4	125.3	159.1	193.6	227.5	261.3	294.9
25°	0.0	13.6	36.4	64.6	96.0	128.8	163.3	198.3	232.9	267.4	301.8
22.5°	0.0	13.9	37.3	66.1	98.3	132.0	167.1	202.5	237.7	272.8	308.6
20°	0.0	14.1	38.1	67.5	100.5	134.7	170.3	206.2	242.0	277.7	314.7
17.5°	0.0	14.3	38.9	68.6	102.4	137.0	173.3	209.5	245.7	281.9	320.0
15°	0.0	14.5	39.5	69.6	104.1	139.0	176.1	212.5	248.9	285.5	324.5
12.5°	0.0	14.6	40.1	70.4	105.6	140.5	178.5	215.3	251.8	288.4	328.2
10°	0.0	14.8	40.5	70.9	106.8	141.7	180.4	217.6	254.5	292.0	331.7
7.5°	0.0	14.9	40.8	71.3	107.7	142.5	182.0	219.4	256.5	295.1	335.5
5°	0.0	14.9	41.1	71.5	108.4	142.9	183.2	220.7	258.0	297.6	338.5
2.5°	0.0	15.0	41.2	71.6	108.9	143.0	183.9	221.4	258.9	299.4	340.6
0°	0.0	15.0	41.3	71.4	109.0	142.8	184.1	221.7	259.2	300.6	341.9
-2.5°	0.0	15.0	41.2	71.6	108.9	143.0	183.9	221.4	258.9	299.4	340.6
-5°	0.0	14.9	41.1	71.5	108.4	142.9	183.2	220.7	258.0	297.6	338.5
-7.5°	0.0	14.9	40.8	71.3	107.7	142.5	182.0	219.4	256.5	295.1	335.5
-10°	0.0	14.8	40.5	70.9	106.8	141.7	180.4	217.6	254.5	292.0	331.7
-12.5°	0.0	14.6	40.1	70.4	105.6	140.5	178.5	215.3	251.8	288.4	328.2
-15°	0.0	14.5	39.5	69.6	104.1	139.0	176.1	212.5	248.9	285.5	324.5
-17.5°	0.0	14.3	38.9	68.6	102.4	137.0	173.3	209.5	245.7	281.9	320.0
-20°	0.0	14.1	38.1	67.5	100.5	134.7	170.3	206.2	242.0	277.7	314.7

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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	13.9	37.3	66.1	98.3	132.0	167.1	202.5	237.7	272.8	308.6
-25°	0.0	13.6	36.4	64.6	96.0	128.8	163.3	198.3	232.9	267.4	301.8
-27.5°	0.0	13.3	35.3	62.8	93.4	125.3	159.1	193.6	227.5	261.3	294.9
-30°	0.0	13.0	34.2	60.9	90.7	121.5	154.5	188.5	221.6	254.6	287.4
-32.5°	0.0	12.6	33.0	58.8	87.7	117.4	149.4	182.7	215.2	247.3	279.3
-35°	0.0	12.3	31.8	56.5	84.4	113.0	144.0	176.3	208.3	239.5	270.6
-37.5°	0.0	11.9	30.4	53.9	80.8	108.4	138.3	169.4	200.9	231.2	261.6
-40°	0.0	11.5	29.0	51.2	77.1	103.8	132.3	162.0	193.1	222.3	252.0
-42.5°	0.0	11.1	27.5	48.4	73.1	98.8	126.0	154.1	184.3	213.1	241.9
-45°	0.0	10.6	25.9	45.3	69.1	93.5	119.3	146.0	174.7	203.3	231.1
-47.5°	0.0	10.1	24.2	42.1	64.8	88.0	112.3	137.9	164.5	192.8	219.4
-50°	0.0	9.6	22.5	39.3	60.3	82.2	105.3	129.4	154.0	181.0	207.1
-52.5°	0.0	9.1	20.7	36.6	55.7	76.1	97.9	120.6	143.8	168.7	194.1
-55°	0.0	8.6	18.8	33.9	51.0	70.1	90.3	111.5	133.4	156.1	180.0
-57.5°	0.0	8.1	16.9	31.0	46.1	64.0	82.4	102.1	122.5	143.6	165.5
-60°	0.0	7.5	15.0	28.1	41.1	57.7	74.2	92.5	111.3	130.7	150.7
-62.5°	0.0	6.9	13.8	25.1	37.1	51.2	66.5	82.6	100.1	117.5	135.8
-65°	0.0	6.3	12.7	22.0	33.0	44.7	58.6	72.8	88.5	104.4	120.4
-67.5°	0.0	5.7	11.5	18.8	28.8	38.7	50.6	63.5	76.8	91.2	105.4
-70°	0.0	5.1	10.2	15.6	24.5	33.4	42.4	54.1	66.0	77.8	90.6
-72.5°	0.0	4.5	9.0	13.5	20.2	28.0	35.7	44.5	55.1	65.5	75.8
-75°	0.0	3.9	7.8	11.6	15.8	22.5	29.1	36.2	44.0	53.1	62.1
-77.5°	0.0	3.2	6.5	9.7	12.9	16.9	22.5	28.4	34.6	41.1	48.3
-80°	0.0	2.6	5.2	7.8	10.4	12.9	15.8	20.4	25.2	30.2	35.5
-82.5°	0.0	2.0	3.9	5.9	7.8	9.7	11.6	13.5	15.7	19.2	23.0
-85°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.0	10.2	11.5	12.7
-87.5°	0.0	0.7	1.3	2.0	2.6	3.2	3.9	4.5	5.1	5.7	6.3
-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):**

	-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°	6.9	7.5	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.5	11.9
85°	13.8	15.0	17.2	19.4	21.5	23.6	25.5	27.4	29.3	31.0	32.6
82.5°	26.5	30.0	33.3	36.6	39.8	42.8	45.8	48.6	51.4	54.0	56.4
80°	40.3	44.9	49.5	53.7	57.9	62.0	65.9	69.7	73.4	77.3	81.4
77.5°	54.8	60.7	66.0	70.9	76.2	82.6	88.8	94.7	100.4	105.8	111.0
75°	69.8	76.5	83.8	91.1	98.6	106.3	113.8	121.0	128.0	135.1	142.3
72.5°	85.6	94.7	103.6	112.2	121.7	131.0	139.6	147.4	156.2	166.0	174.9
70°	102.4	112.9	124.0	135.0	145.8	156.2	166.8	177.5	188.3	198.8	208.8
67.5°	119.2	132.4	145.2	157.8	170.0	182.5	195.1	208.0	220.4	232.3	243.9
65°	137.1	151.8	166.2	180.3	194.0	209.2	224.1	238.5	254.2	268.8	281.5
62.5°	154.5	171.0	186.9	202.9	219.4	236.3	253.5	271.6	290.4	303.9	315.5
60°	171.3	189.9	207.7	225.9	244.4	263.3	283.2	302.5	319.6	334.4	346.6
57.5°	187.6	208.5	228.2	248.0	268.2	289.7	311.6	331.3	347.3	361.5	374.9
55°	203.5	226.6	247.6	268.6	291.5	316.9	339.3	357.0	373.3	385.1	398.0
52.5°	218.6	243.4	265.2	288.8	315.1	341.3	363.6	380.9	394.6	406.8	419.3
50°	233.1	257.9	282.2	309.1	336.8	363.1	385.6	401.5	415.3	428.0	440.1
47.5°	246.1	272.0	299.4	328.1	357.1	383.1	404.7	420.9	435.2	448.2	461.5
45°	258.5	286.2	315.5	346.8	376.5	402.3	422.0	439.4	453.1	467.8	484.4
42.5°	270.3	299.9	331.7	365.1	395.4	419.0	438.1	454.8	470.6	488.2	506.7
40°	281.8	312.8	347.1	382.2	413.1	433.6	452.7	470.3	488.5	508.5	528.7
37.5°	292.6	325.9	361.5	398.1	426.1	447.3	467.0	486.8	507.2	528.7	553.9
35°	302.6	337.9	375.2	410.7	437.6	460.7	481.8	503.2	526.1	552.4	580.2
32.5°	312.2	348.9	388.0	421.3	448.0	472.7	496.1	520.2	546.5	575.5	607.1
30°	321.7	359.6	399.3	432.2	457.3	482.6	510.0	536.9	566.1	598.3	635.4
27.5°	331.0	369.5	408.7	440.7	465.5	491.2	520.6	553.3	585.2	620.4	663.5
25°	339.4	379.8	418.0	447.4	472.5	499.5	530.1	565.0	602.5	644.3	697.2
22.5°	347.4	389.0	426.7	453.1	478.4	506.7	539.7	576.5	617.3	665.8	730.3
20°	354.9	396.2	432.6	458.4	483.2	512.5	547.9	586.7	633.3	692.1	769.2
17.5°	361.4	402.3	436.6	462.7	488.3	518.4	555.0	595.3	647.7	715.2	806.5
15°	367.0	407.3	440.1	466.0	492.6	524.5	562.1	606.1	663.5	737.9	838.8
12.5°	371.6	411.2	443.0	468.4	496.0	529.0	568.3	616.6	679.3	762.7	882.2
10°	375.2	414.0	445.3	469.9	498.3	532.0	573.1	624.7	692.0	783.4	919.5
7.5°	378.7	416.5	446.9	470.5	499.7	533.5	576.4	630.4	701.3	798.9	949.1
5°	381.2	418.9	447.9	472.0	500.6	534.2	578.7	633.8	707.2	809.1	970.1
2.5°	382.7	420.3	447.9	473.0	500.7	534.5	581.4	635.6	713.7	817.8	982.1
0°	383.2	420.8	447.1	473.4	499.7	533.5	582.3	634.9	717.6	822.8	984.4
-2.5°	382.7	420.3	447.9	473.0	500.7	534.5	581.4	635.6	713.7	817.8	982.1
-5°	381.2	418.9	447.9	472.0	500.6	534.2	578.7	633.8	707.2	809.1	970.1
-7.5°	378.7	416.5	446.9	470.5	499.7	533.5	576.4	630.4	701.3	798.9	949.1
-10°	375.2	414.0	445.3	469.9	498.3	532.0	573.1	624.7	692.0	783.4	919.5
-12.5°	371.6	411.2	443.0	468.4	496.0	529.0	568.3	616.6	679.3	762.7	882.2
-15°	367.0	407.3	440.1	466.0	492.6	524.5	562.1	606.1	663.5	737.9	838.8
-17.5°	361.4	402.3	436.6	462.7	488.3	518.4	555.0	595.3	647.7	715.2	806.5
-20°	354.9	396.2	432.6	458.4	483.2	512.5	547.9	586.7	633.3	692.1	769.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627195 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-727-U-MR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	347.4	389.0	426.7	453.1	478.4	506.7	539.7	576.5	617.3	665.8	730.3
-25°	339.4	379.8	418.0	447.4	472.5	499.5	530.1	565.0	602.5	644.3	697.2
-27.5°	331.0	369.5	408.7	440.7	465.5	491.2	520.6	553.3	585.2	620.4	663.5
-30°	321.7	359.6	399.3	432.2	457.3	482.6	510.0	536.9	566.1	598.3	635.4
-32.5°	312.2	348.9	388.0	421.3	448.0	472.7	496.1	520.2	546.5	575.5	607.1
-35°	302.6	337.9	375.2	410.7	437.6	460.7	481.8	503.2	526.1	552.4	580.2
-37.5°	292.6	325.9	361.5	398.1	426.1	447.3	467.0	486.8	507.2	528.7	553.9
-40°	281.8	312.8	347.1	382.2	413.1	433.6	452.7	470.3	488.5	508.5	528.7
-42.5°	270.3	299.9	331.7	365.1	395.4	419.0	438.1	454.8	470.6	488.2	506.7
-45°	258.5	286.2	315.5	346.8	376.5	402.3	422.0	439.4	453.1	467.8	484.4
-47.5°	246.1	272.0	299.4	328.1	357.1	383.1	404.7	420.9	435.2	448.2	461.5
-50°	233.1	257.9	282.2	309.1	336.8	363.1	385.6	401.5	415.3	428.0	440.1
-52.5°	218.6	243.4	265.2	288.8	315.1	341.3	363.6	380.9	394.6	406.8	419.3
-55°	203.5	226.6	247.6	268.6	291.5	316.9	339.3	357.0	373.3	385.1	398.0
-57.5°	187.6	208.5	228.2	248.0	268.2	289.7	311.6	331.3	347.3	361.5	374.9
-60°	171.3	189.9	207.7	225.9	244.4	263.3	283.2	302.5	319.6	334.4	346.6
-62.5°	154.5	171.0	186.9	202.9	219.4	236.3	253.5	271.6	290.4	303.9	315.5
-65°	137.1	151.8	166.2	180.3	194.0	209.2	224.1	238.5	254.2	268.8	281.5
-67.5°	119.2	132.4	145.2	157.8	170.0	182.5	195.1	208.0	220.4	232.3	243.9
-70°	102.4	112.9	124.0	135.0	145.8	156.2	166.8	177.5	188.3	198.8	208.8
-72.5°	85.6	94.7	103.6	112.2	121.7	131.0	139.6	147.4	156.2	166.0	174.9
-75°	69.8	76.5	83.8	91.1	98.6	106.3	113.8	121.0	128.0	135.1	142.3
-77.5°	54.8	60.7	66.0	70.9	76.2	82.6	88.8	94.7	100.4	105.8	111.0
-80°	40.3	44.9	49.5	53.7	57.9	62.0	65.9	69.7	73.4	77.3	81.4
-82.5°	26.5	30.0	33.3	36.6	39.8	42.8	45.8	48.6	51.4	54.0	56.4
-85°	13.8	15.0	17.2	19.4	21.5	23.6	25.5	27.4	29.3	31.0	32.6
-87.5°	6.9	7.5	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.5	11.9
-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: P627195 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-727-U-MR-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°	12.3	12.6	13.0	13.3	13.6	13.9	14.1	14.3	14.5	14.6	14.8
85°	34.2	35.7	37.0	38.3	39.4	39.7	39.8	39.7	39.5	40.1	40.5
82.5°	58.8	61.4	64.1	66.7	69.3	70.3	70.9	71.4	71.7	72.7	73.6
80°	85.3	89.5	93.3	96.8	99.9	102.1	104.0	105.9	107.5	108.3	108.7
77.5°	116.2	121.3	126.0	130.4	134.4	137.6	140.2	142.3	143.9	144.9	145.6
75°	149.4	155.8	161.5	166.8	171.7	175.1	177.4	179.2	180.4	181.6	182.6
72.5°	183.0	190.3	197.1	203.4	209.0	212.9	215.7	217.9	219.6	220.8	221.5
70°	218.3	227.0	234.5	240.8	245.8	249.6	252.6	255.0	256.8	258.1	258.7
67.5°	254.8	264.1	271.1	276.7	281.2	285.2	288.9	291.6	293.4	295.2	297.1
65°	292.0	301.5	308.6	314.6	319.3	324.5	329.2	332.7	335.0	337.2	339.3
62.5°	327.0	337.7	346.0	353.7	361.6	369.0	373.3	376.6	379.0	381.1	383.5
60°	358.8	370.9	381.1	390.5	400.1	409.7	413.6	416.7	419.7	422.4	424.9
57.5°	387.1	400.0	412.3	421.6	430.7	439.7	445.9	449.3	451.6	452.8	453.9
55°	411.7	424.6	436.9	447.5	457.5	466.7	473.6	476.9	479.4	481.0	481.9
52.5°	433.7	447.5	460.6	472.4	483.2	493.1	501.7	506.3	510.1	512.7	513.5
50°	455.3	470.2	484.5	497.1	509.6	521.5	532.5	538.9	543.3	546.0	546.9
47.5°	477.9	494.1	509.5	524.2	538.4	552.5	565.5	574.1	580.5	585.3	588.7
45°	501.4	518.8	535.8	553.2	569.5	587.7	604.1	616.8	626.1	634.2	640.6
42.5°	525.0	544.6	564.2	586.5	608.8	629.5	649.1	665.8	681.0	696.0	707.7
40°	550.8	572.2	599.0	625.5	652.9	677.0	705.5	731.2	754.6	779.9	800.9
37.5°	578.9	606.5	638.2	669.9	705.6	740.2	780.1	819.4	853.5	897.9	933.5
35°	609.6	644.5	681.8	724.4	770.4	824.8	880.6	946.1	1001.6	1072.2	1137.3
32.5°	643.7	684.7	733.2	791.8	853.9	941.1	1022.8	1133.9	1228.8	1351.3	1485.0
30°	678.3	731.4	797.4	873.0	978.1	1101.8	1246.1	1433.8	1636.8	1846.9	2129.7
27.5°	719.5	788.4	870.8	987.5	1144.7	1316.0	1610.0	1927.3	2369.5	2719.6	3343.0
25°	763.8	849.0	970.7	1140.0	1357.2	1703.9	2200.1	2774.7	3659.4	4446.4	5350.9
22.5°	816.2	932.1	1093.2	1314.9	1693.4	2289.9	3064.4	4244.3	5555.9	6850.5	8033.7
20°	871.8	1011.7	1237.1	1598.1	2183.2	3045.6	4427.5	6113.5	7854.7	9628.9	11124.0
17.5°	936.7	1126.7	1423.5	1903.0	2737.7	4214.3	6060.0	8203.9	10478.8	12742.7	14709.2
15°	992.4	1227.2	1626.9	2345.1	3589.8	5436.8	7705.2	10412.9	13273.7	16211.7	19395.9
12.5°	1063.5	1348.3	1836.4	2710.6	4345.8	6746.5	9522.2	12665.8	16159.1	20060.1	25024.4
10°	1128.8	1475.3	2112.1	3296.3	5254.6	7969.9	11091.6	14658.1	19189.3	25051.5	31039.6
7.5°	1181.0	1576.1	2325.9	3753.3	6016.8	9015.1	12504.7	16780.7	22433.8	29414.3	36256.1
5°	1217.4	1645.9	2478.8	4098.6	6629.8	9813.8	13507.5	18345.5	25168.6	32985.5	39971.4
2.5°	1240.3	1684.1	2553.7	4303.6	7029.8	10294.5	14133.1	19340.0	26844.7	35258.9	42331.9
0°	1251.1	1690.7	2506.0	4403.3	7085.8	10260.5	14190.4	19672.0	27242.5	35876.2	42920.7
-2.5°	1240.3	1684.1	2553.7	4303.6	7029.8	10294.5	14133.1	19340.0	26844.7	35258.9	42331.9
-5°	1217.4	1645.9	2478.8	4098.6	6629.8	9813.8	13507.5	18345.5	25168.6	32985.5	39971.4
-7.5°	1181.0	1576.1	2325.9	3753.3	6016.8	9015.1	12504.7	16780.7	22433.8	29414.3	36256.1
-10°	1128.8	1475.3	2112.1	3296.3	5254.6	7969.9	11091.6	14658.1	19189.3	25051.5	31039.6
-12.5°	1063.5	1348.3	1836.4	2710.6	4345.8	6746.5	9522.2	12665.8	16159.1	20060.1	25024.4
-15°	992.4	1227.2	1626.9	2345.1	3589.8	5436.8	7705.2	10412.9	13273.7	16211.7	19395.9
-17.5°	936.7	1126.7	1423.5	1903.0	2737.7	4214.3	6060.0	8203.9	10478.8	12742.7	14709.2
-20°	871.8	1011.7	1237.1	1598.1	2183.2	3045.6	4427.5	6113.5	7854.7	9628.9	11124.0

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Scaled Data Report



REPORT NUMBER: P627195 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-727-U-MR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	816.2	932.1	1093.2	1314.9	1693.4	2289.9	3064.4	4244.3	5555.9	6850.5	8033.7
-25°	763.8	849.0	970.7	1140.0	1357.2	1703.9	2200.1	2774.7	3659.4	4446.4	5350.9
-27.5°	719.5	788.4	870.8	987.5	1144.7	1316.0	1610.0	1927.3	2369.5	2719.6	3343.0
-30°	678.3	731.4	797.4	873.0	978.1	1101.8	1246.1	1433.8	1636.8	1846.9	2129.7
-32.5°	643.7	684.7	733.2	791.8	853.9	941.1	1022.8	1133.9	1228.8	1351.3	1485.0
-35°	609.6	644.5	681.8	724.4	770.4	824.8	880.6	946.1	1001.6	1072.2	1137.3
-37.5°	578.9	606.5	638.2	669.9	705.6	740.2	780.1	819.4	853.5	897.9	933.5
-40°	550.8	572.2	599.0	625.5	652.9	677.0	705.5	731.2	754.6	779.9	800.9
-42.5°	525.0	544.6	564.2	586.5	608.8	629.5	649.1	665.8	681.0	696.0	707.7
-45°	501.4	518.8	535.8	553.2	569.5	587.7	604.1	616.8	626.1	634.2	640.6
-47.5°	477.9	494.1	509.5	524.2	538.4	552.5	565.5	574.1	580.5	585.3	588.7
-50°	455.3	470.2	484.5	497.1	509.6	521.5	532.5	538.9	543.3	546.0	546.9
-52.5°	433.7	447.5	460.6	472.4	483.2	493.1	501.7	506.3	510.1	512.7	513.5
-55°	411.7	424.6	436.9	447.5	457.5	466.7	473.6	476.9	479.4	481.0	481.9
-57.5°	387.1	400.0	412.3	421.6	430.7	439.7	445.9	449.3	451.6	452.8	453.9
-60°	358.8	370.9	381.1	390.5	400.1	409.7	413.6	416.7	419.7	422.4	424.9
-62.5°	327.0	337.7	346.0	353.7	361.6	369.0	373.3	376.6	379.0	381.1	383.5
-65°	292.0	301.5	308.6	314.6	319.3	324.5	329.2	332.7	335.0	337.2	339.3
-67.5°	254.8	264.1	271.1	276.7	281.2	285.2	288.9	291.6	293.4	295.2	297.1
-70°	218.3	227.0	234.5	240.8	245.8	249.6	252.6	255.0	256.8	258.1	258.7
-72.5°	183.0	190.3	197.1	203.4	209.0	212.9	215.7	217.9	219.6	220.8	221.5
-75°	149.4	155.8	161.5	166.8	171.7	175.1	177.4	179.2	180.4	181.6	182.6
-77.5°	116.2	121.3	126.0	130.4	134.4	137.6	140.2	142.3	143.9	144.9	145.6
-80°	85.3	89.5	93.3	96.8	99.9	102.1	104.0	105.9	107.5	108.3	108.7
-82.5°	58.8	61.4	64.1	66.7	69.3	70.3	70.9	71.4	71.7	72.7	73.6
-85°	34.2	35.7	37.0	38.3	39.4	39.7	39.8	39.7	39.5	40.1	40.5
-87.5°	12.3	12.6	13.0	13.3	13.6	13.9	14.1	14.3	14.5	14.6	14.8
-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: P627195 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-727-U-MR-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°	14.9	14.9	15.0	15.0	15.0	14.9	14.9	14.8	14.6	14.5	14.3
85°	40.8	41.1	41.2	41.3	41.2	41.1	40.8	40.5	40.1	39.5	39.7
82.5°	74.2	74.7	75.0	75.1	75.0	74.7	74.2	73.6	72.7	71.7	71.4
80°	108.8	108.5	108.9	109.0	108.9	108.5	108.8	108.7	108.3	107.5	105.9
77.5°	145.9	145.8	146.3	146.5	146.3	145.8	145.9	145.6	144.9	143.9	142.3
75°	183.2	183.3	183.9	184.1	183.9	183.3	183.2	182.6	181.6	180.4	179.2
72.5°	221.5	220.8	221.4	221.7	221.4	220.8	221.5	221.5	220.8	219.6	217.9
70°	258.8	258.3	260.7	263.0	260.7	258.3	258.8	258.7	258.1	256.8	255.0
67.5°	298.5	299.3	301.9	304.3	301.9	299.3	298.5	297.1	295.2	293.4	291.6
65°	340.5	340.6	343.2	345.7	343.2	340.6	340.5	339.3	337.2	335.0	332.7
62.5°	385.0	385.4	388.1	390.7	388.1	385.4	385.0	383.5	381.1	379.0	376.6
60°	426.4	426.8	427.8	428.3	427.8	426.8	426.4	424.9	422.4	419.7	416.7
57.5°	454.2	453.8	454.2	454.6	454.2	453.8	454.2	453.9	452.8	451.6	449.3
55°	481.7	480.5	479.0	477.1	479.0	480.5	481.7	481.9	481.0	479.4	476.9
52.5°	512.9	510.9	509.1	507.2	509.1	510.9	512.9	513.5	512.7	510.1	506.3
50°	546.4	544.6	542.9	541.0	542.9	544.6	546.4	546.9	546.0	543.3	538.9
47.5°	591.0	591.8	591.4	589.9	591.4	591.8	591.0	588.7	585.3	580.5	574.1
45°	645.2	647.4	647.7	646.2	647.7	647.4	645.2	640.6	634.2	626.1	616.8
42.5°	715.9	720.7	723.3	725.1	723.3	720.7	715.9	707.7	696.0	681.0	665.8
40°	816.2	825.9	832.1	837.8	832.1	825.9	816.2	800.9	779.9	754.6	731.2
37.5°	959.9	977.6	985.5	980.6	985.5	977.6	959.9	933.5	897.9	853.5	819.4
35°	1187.5	1221.0	1238.4	1239.8	1238.4	1221.0	1187.5	1137.3	1072.2	1001.6	946.1
32.5°	1583.9	1652.4	1689.2	1694.4	1689.2	1652.4	1583.9	1485.0	1351.3	1228.8	1133.9
30°	2346.1	2485.9	2551.6	2536.0	2551.6	2485.9	2346.1	2129.7	1846.9	1636.8	1433.8
27.5°	3827.7	4176.4	4383.0	4399.5	4383.0	4176.4	3827.7	3343.0	2719.6	2369.5	1927.3
25°	6152.0	6747.3	7128.6	7134.7	7128.6	6747.3	6152.0	5350.9	4446.4	3659.4	2774.7
22.5°	9127.8	9940.4	10385.7	10463.4	10385.7	9940.4	9127.8	8033.7	6850.5	5555.9	4244.3
20°	12575.4	13656.4	14234.8	14235.5	14234.8	13656.4	12575.4	11124.0	9628.9	7854.7	6113.5
17.5°	16821.4	18576.6	19678.6	20152.9	19678.6	18576.6	16821.4	14709.2	12742.7	10478.8	8203.9
15°	22462.1	25411.9	27179.4	27498.0	27179.4	25411.9	22462.1	19395.9	16211.7	13273.7	10412.9
12.5°	29330.4	33063.4	35572.7	36492.4	35572.7	33063.4	29330.4	25024.4	20060.1	16159.1	12665.8
10°	36501.4	39960.3	42648.5	43551.9	42648.5	39960.3	36501.4	31039.6	25051.5	19189.3	14658.1
7.5°	41681.9	45806.5	48834.6	50164.3	48834.6	45806.5	41681.9	36256.1	29414.3	22433.8	16780.7
5°	45771.5	50651.8	53470.6	54721.7	53470.6	50651.8	45771.5	39971.4	32985.5	25168.6	18345.5
2.5°	48454.7	53276.9	56261.9	57415.5	56261.9	53276.9	48454.7	42331.9	35258.9	26844.7	19340.0
0°	49458.0	54173.1	57122.4	58531.3	57122.4	54173.1	49458.0	42920.7	35876.2	27242.5	19672.0
-2.5°	48454.7	53276.9	56261.9	57415.5	56261.9	53276.9	48454.7	42331.9	35258.9	26844.7	19340.0
-5°	45771.5	50651.8	53470.6	54721.7	53470.6	50651.8	45771.5	39971.4	32985.5	25168.6	18345.5
-7.5°	41681.9	45806.5	48834.6	50164.3	48834.6	45806.5	41681.9	36256.1	29414.3	22433.8	16780.7
-10°	36501.4	39960.3	42648.5	43551.9	42648.5	39960.3	36501.4	31039.6	25051.5	19189.3	14658.1
-12.5°	29330.4	33063.4	35572.7	36492.4	35572.7	33063.4	29330.4	25024.4	20060.1	16159.1	12665.8
-15°	22462.1	25411.9	27179.4	27498.0	27179.4	25411.9	22462.1	19395.9	16211.7	13273.7	10412.9
-17.5°	16821.4	18576.6	19678.6	20152.9	19678.6	18576.6	16821.4	14709.2	12742.7	10478.8	8203.9
-20°	12575.4	13656.4	14234.8	14235.5	14234.8	13656.4	12575.4	11124.0	9628.9	7854.7	6113.5

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Cooper Lighting Solutions Photometric Lab  
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REPORT NUMBER: P627195 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-727-U-MR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9127.8	9940.4	10385.7	10463.4	10385.7	9940.4	9127.8	8033.7	6850.5	5555.9	4244.3
-25°	6152.0	6747.3	7128.6	7134.7	7128.6	6747.3	6152.0	5350.9	4446.4	3659.4	2774.7
-27.5°	3827.7	4176.4	4383.0	4399.5	4383.0	4176.4	3827.7	3343.0	2719.6	2369.5	1927.3
-30°	2346.1	2485.9	2551.6	2536.0	2551.6	2485.9	2346.1	2129.7	1846.9	1636.8	1433.8
-32.5°	1583.9	1652.4	1689.2	1694.4	1689.2	1652.4	1583.9	1485.0	1351.3	1228.8	1133.9
-35°	1187.5	1221.0	1238.4	1239.8	1238.4	1221.0	1187.5	1137.3	1072.2	1001.6	946.1
-37.5°	959.9	977.6	985.5	980.6	985.5	977.6	959.9	933.5	897.9	853.5	819.4
-40°	816.2	825.9	832.1	837.8	832.1	825.9	816.2	800.9	779.9	754.6	731.2
-42.5°	715.9	720.7	723.3	725.1	723.3	720.7	715.9	707.7	696.0	681.0	665.8
-45°	645.2	647.4	647.7	646.2	647.7	647.4	645.2	640.6	634.2	626.1	616.8
-47.5°	591.0	591.8	591.4	589.9	591.4	591.8	591.0	588.7	585.3	580.5	574.1
-50°	546.4	544.6	542.9	541.0	542.9	544.6	546.4	546.9	546.0	543.3	538.9
-52.5°	512.9	510.9	509.1	507.2	509.1	510.9	512.9	513.5	512.7	510.1	506.3
-55°	481.7	480.5	479.0	477.1	479.0	480.5	481.7	481.9	481.0	479.4	476.9
-57.5°	454.2	453.8	454.2	454.6	454.2	453.8	454.2	453.9	452.8	451.6	449.3
-60°	426.4	426.8	427.8	428.3	427.8	426.8	426.4	424.9	422.4	419.7	416.7
-62.5°	385.0	385.4	388.1	390.7	388.1	385.4	385.0	383.5	381.1	379.0	376.6
-65°	340.5	340.6	343.2	345.7	343.2	340.6	340.5	339.3	337.2	335.0	332.7
-67.5°	298.5	299.3	301.9	304.3	301.9	299.3	298.5	297.1	295.2	293.4	291.6
-70°	258.8	258.3	260.7	263.0	260.7	258.3	258.8	258.7	258.1	256.8	255.0
-72.5°	221.5	220.8	221.4	221.7	221.4	220.8	221.5	221.5	220.8	219.6	217.9
-75°	183.2	183.3	183.9	184.1	183.9	183.3	183.2	182.6	181.6	180.4	179.2
-77.5°	145.9	145.8	146.3	146.5	146.3	145.8	145.9	145.6	144.9	143.9	142.3
-80°	108.8	108.5	108.9	109.0	108.9	108.5	108.8	108.7	108.3	107.5	105.9
-82.5°	74.2	74.7	75.0	75.1	75.0	74.7	74.2	73.6	72.7	71.7	71.4
-85°	40.8	41.1	41.2	41.3	41.2	41.1	40.8	40.5	40.1	39.5	39.7
-87.5°	14.9	14.9	15.0	15.0	15.0	14.9	14.9	14.8	14.6	14.5	14.3
-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: P627195 (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°	14.1	13.9	13.6	13.3	13.0	12.6	12.3	11.9	11.5	11.1	10.6
85°	39.8	39.7	39.4	38.3	37.0	35.7	34.2	32.6	31.0	29.3	27.4
82.5°	70.9	70.3	69.3	66.7	64.1	61.4	58.8	56.4	54.0	51.4	48.6
80°	104.0	102.1	99.9	96.8	93.3	89.5	85.3	81.4	77.3	73.4	69.7
77.5°	140.2	137.6	134.4	130.4	126.0	121.3	116.2	111.0	105.8	100.4	94.7
75°	177.4	175.1	171.7	166.8	161.5	155.8	149.4	142.3	135.1	128.0	121.0
72.5°	215.7	212.9	209.0	203.4	197.1	190.3	183.0	174.9	166.0	156.2	147.4
70°	252.6	249.6	245.8	240.8	234.5	227.0	218.3	208.8	198.8	188.3	177.5
67.5°	288.9	285.2	281.2	276.7	271.1	264.1	254.8	243.9	232.3	220.4	208.0
65°	329.2	324.5	319.3	314.6	308.6	301.5	292.0	281.5	268.8	254.2	238.5
62.5°	373.3	369.0	361.6	353.7	346.0	337.7	327.0	315.5	303.9	290.4	271.6
60°	413.6	409.7	400.1	390.5	381.1	370.9	358.8	346.6	334.4	319.6	302.5
57.5°	445.9	439.7	430.7	421.6	412.3	400.0	387.1	374.9	361.5	347.3	331.3
55°	473.6	466.7	457.5	447.5	436.9	424.6	411.7	398.0	385.1	373.3	357.0
52.5°	501.7	493.1	483.2	472.4	460.6	447.5	433.7	419.3	406.8	394.6	380.9
50°	532.5	521.5	509.6	497.1	484.5	470.2	455.3	440.1	428.0	415.3	401.5
47.5°	565.5	552.5	538.4	524.2	509.5	494.1	477.9	461.5	448.2	435.2	420.9
45°	604.1	587.7	569.5	553.2	535.8	518.8	501.4	484.4	467.8	453.1	439.4
42.5°	649.1	629.5	608.8	586.5	564.2	544.6	525.0	506.7	488.2	470.6	454.8
40°	705.5	677.0	652.9	625.5	599.0	572.2	550.8	528.7	508.5	488.5	470.3
37.5°	780.1	740.2	705.6	669.9	638.2	606.5	578.9	553.9	528.7	507.2	486.8
35°	880.6	824.8	770.4	724.4	681.8	644.5	609.6	580.2	552.4	526.1	503.2
32.5°	1022.8	941.1	853.9	791.8	733.2	684.7	643.7	607.1	575.5	546.5	520.2
30°	1246.1	1101.8	978.1	873.0	797.4	731.4	678.3	635.4	598.3	566.1	536.9
27.5°	1610.0	1316.0	1144.7	987.5	870.8	788.4	719.5	663.5	620.4	585.2	553.3
25°	2200.1	1703.9	1357.2	1140.0	970.7	849.0	763.8	697.2	644.3	602.5	565.0
22.5°	3064.4	2289.9	1693.4	1314.9	1093.2	932.1	816.2	730.3	665.8	617.3	576.5
20°	4427.5	3045.6	2183.2	1598.1	1237.1	1011.7	871.8	769.2	692.1	633.3	586.7
17.5°	6060.0	4214.3	2737.7	1903.0	1423.5	1126.7	936.7	806.5	715.2	647.7	595.3
15°	7705.2	5436.8	3589.8	2345.1	1626.9	1227.2	992.4	838.8	737.9	663.5	606.1
12.5°	9522.2	6746.5	4345.8	2710.6	1836.4	1348.3	1063.5	882.2	762.7	679.3	616.6
10°	11091.6	7969.9	5254.6	3296.3	2112.1	1475.3	1128.8	919.5	783.4	692.0	624.7
7.5°	12504.7	9015.1	6016.8	3753.3	2325.9	1576.1	1181.0	949.1	798.9	701.3	630.4
5°	13507.5	9813.8	6629.8	4098.6	2478.8	1645.9	1217.4	970.1	809.1	707.2	633.8
2.5°	14133.1	10294.5	7029.8	4303.6	2553.7	1684.1	1240.3	982.1	817.8	713.7	635.6
0°	14190.4	10260.5	7085.8	4403.3	2506.0	1690.7	1251.1	984.4	822.8	717.6	634.9
-2.5°	14133.1	10294.5	7029.8	4303.6	2553.7	1684.1	1240.3	982.1	817.8	713.7	635.6
-5°	13507.5	9813.8	6629.8	4098.6	2478.8	1645.9	1217.4	970.1	809.1	707.2	633.8
-7.5°	12504.7	9015.1	6016.8	3753.3	2325.9	1576.1	1181.0	949.1	798.9	701.3	630.4
-10°	11091.6	7969.9	5254.6	3296.3	2112.1	1475.3	1128.8	919.5	783.4	692.0	624.7
-12.5°	9522.2	6746.5	4345.8	2710.6	1836.4	1348.3	1063.5	882.2	762.7	679.3	616.6
-15°	7705.2	5436.8	3589.8	2345.1	1626.9	1227.2	992.4	838.8	737.9	663.5	606.1
-17.5°	6060.0	4214.3	2737.7	1903.0	1423.5	1126.7	936.7	806.5	715.2	647.7	595.3
-20°	4427.5	3045.6	2183.2	1598.1	1237.1	1011.7	871.8	769.2	692.1	633.3	586.7

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REPORT NUMBER: P627195 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-727-U-MR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3064.4	2289.9	1693.4	1314.9	1093.2	932.1	816.2	730.3	665.8	617.3	576.5
-25°	2200.1	1703.9	1357.2	1140.0	970.7	849.0	763.8	697.2	644.3	602.5	565.0
-27.5°	1610.0	1316.0	1144.7	987.5	870.8	788.4	719.5	663.5	620.4	585.2	553.3
-30°	1246.1	1101.8	978.1	873.0	797.4	731.4	678.3	635.4	598.3	566.1	536.9
-32.5°	1022.8	941.1	853.9	791.8	733.2	684.7	643.7	607.1	575.5	546.5	520.2
-35°	880.6	824.8	770.4	724.4	681.8	644.5	609.6	580.2	552.4	526.1	503.2
-37.5°	780.1	740.2	705.6	669.9	638.2	606.5	578.9	553.9	528.7	507.2	486.8
-40°	705.5	677.0	652.9	625.5	599.0	572.2	550.8	528.7	508.5	488.5	470.3
-42.5°	649.1	629.5	608.8	586.5	564.2	544.6	525.0	506.7	488.2	470.6	454.8
-45°	604.1	587.7	569.5	553.2	535.8	518.8	501.4	484.4	467.8	453.1	439.4
-47.5°	565.5	552.5	538.4	524.2	509.5	494.1	477.9	461.5	448.2	435.2	420.9
-50°	532.5	521.5	509.6	497.1	484.5	470.2	455.3	440.1	428.0	415.3	401.5
-52.5°	501.7	493.1	483.2	472.4	460.6	447.5	433.7	419.3	406.8	394.6	380.9
-55°	473.6	466.7	457.5	447.5	436.9	424.6	411.7	398.0	385.1	373.3	357.0
-57.5°	445.9	439.7	430.7	421.6	412.3	400.0	387.1	374.9	361.5	347.3	331.3
-60°	413.6	409.7	400.1	390.5	381.1	370.9	358.8	346.6	334.4	319.6	302.5
-62.5°	373.3	369.0	361.6	353.7	346.0	337.7	327.0	315.5	303.9	290.4	271.6
-65°	329.2	324.5	319.3	314.6	308.6	301.5	292.0	281.5	268.8	254.2	238.5
-67.5°	288.9	285.2	281.2	276.7	271.1	264.1	254.8	243.9	232.3	220.4	208.0
-70°	252.6	249.6	245.8	240.8	234.5	227.0	218.3	208.8	198.8	188.3	177.5
-72.5°	215.7	212.9	209.0	203.4	197.1	190.3	183.0	174.9	166.0	156.2	147.4
-75°	177.4	175.1	171.7	166.8	161.5	155.8	149.4	142.3	135.1	128.0	121.0
-77.5°	140.2	137.6	134.4	130.4	126.0	121.3	116.2	111.0	105.8	100.4	94.7
-80°	104.0	102.1	99.9	96.8	93.3	89.5	85.3	81.4	77.3	73.4	69.7
-82.5°	70.9	70.3	69.3	66.7	64.1	61.4	58.8	56.4	54.0	51.4	48.6
-85°	39.8	39.7	39.4	38.3	37.0	35.7	34.2	32.6	31.0	29.3	27.4
-87.5°	14.1	13.9	13.6	13.3	13.0	12.6	12.3	11.9	11.5	11.1	10.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	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°	10.1	9.6	9.1	8.6	8.1	7.5	6.9	6.3	5.7	5.1	4.5
85°	25.5	23.6	21.5	19.4	17.2	15.0	13.8	12.7	11.5	10.2	9.0
82.5°	45.8	42.8	39.8	36.6	33.3	30.0	26.5	23.0	19.2	15.7	13.5
80°	65.9	62.0	57.9	53.7	49.5	44.9	40.3	35.5	30.2	25.2	20.4
77.5°	88.8	82.6	76.2	70.9	66.0	60.7	54.8	48.3	41.1	34.6	28.4
75°	113.8	106.3	98.6	91.1	83.8	76.5	69.8	62.1	53.1	44.0	36.2
72.5°	139.6	131.0	121.7	112.2	103.6	94.7	85.6	75.8	65.5	55.1	44.5
70°	166.8	156.2	145.8	135.0	124.0	112.9	102.4	90.6	77.8	66.0	54.1
67.5°	195.1	182.5	170.0	157.8	145.2	132.4	119.2	105.4	91.2	76.8	63.5
65°	224.1	209.2	194.0	180.3	166.2	151.8	137.1	120.4	104.4	88.5	72.8
62.5°	253.5	236.3	219.4	202.9	186.9	171.0	154.5	135.8	117.5	100.1	82.6
60°	283.2	263.3	244.4	225.9	207.7	189.9	171.3	150.7	130.7	111.3	92.5
57.5°	311.6	289.7	268.2	248.0	228.2	208.5	187.6	165.5	143.6	122.5	102.1
55°	339.3	316.9	291.5	268.6	247.6	226.6	203.5	180.0	156.1	133.4	111.5
52.5°	363.6	341.3	315.1	288.8	265.2	243.4	218.6	194.1	168.7	143.8	120.6
50°	385.6	363.1	336.8	309.1	282.2	257.9	233.1	207.1	181.0	154.0	129.4
47.5°	404.7	383.1	357.1	328.1	299.4	272.0	246.1	219.4	192.8	164.5	137.9
45°	422.0	402.3	376.5	346.8	315.5	286.2	258.5	231.1	203.3	174.7	146.0
42.5°	438.1	419.0	395.4	365.1	331.7	299.9	270.3	241.9	213.1	184.3	154.1
40°	452.7	433.6	413.1	382.2	347.1	312.8	281.8	252.0	222.3	193.1	162.0
37.5°	467.0	447.3	426.1	398.1	361.5	325.9	292.6	261.6	231.2	200.9	169.4
35°	481.8	460.7	437.6	410.7	375.2	337.9	302.6	270.6	239.5	208.3	176.3
32.5°	496.1	472.7	448.0	421.3	388.0	348.9	312.2	279.3	247.3	215.2	182.7
30°	510.0	482.6	457.3	432.2	399.3	359.6	321.7	287.4	254.6	221.6	188.5
27.5°	520.6	491.2	465.5	440.7	408.7	369.5	331.0	294.9	261.3	227.5	193.6
25°	530.1	499.5	472.5	447.4	418.0	379.8	339.4	301.8	267.4	232.9	198.3
22.5°	539.7	506.7	478.4	453.1	426.7	389.0	347.4	308.6	272.8	237.7	202.5
20°	547.9	512.5	483.2	458.4	432.6	396.2	354.9	314.7	277.7	242.0	206.2
17.5°	555.0	518.4	488.3	462.7	436.6	402.3	361.4	320.0	281.9	245.7	209.5
15°	562.1	524.5	492.6	466.0	440.1	407.3	367.0	324.5	285.5	248.9	212.5
12.5°	568.3	529.0	496.0	468.4	443.0	411.2	371.6	328.2	288.4	251.8	215.3
10°	573.1	532.0	498.3	469.9	445.3	414.0	375.2	331.7	292.0	254.5	217.6
7.5°	576.4	533.5	499.7	470.5	446.9	416.5	378.7	335.5	295.1	256.5	219.4
5°	578.7	534.2	500.6	472.0	447.9	418.9	381.2	338.5	297.6	258.0	220.7
2.5°	581.4	534.5	500.7	473.0	447.9	420.3	382.7	340.6	299.4	258.9	221.4
0°	582.3	533.5	499.7	473.4	447.1	420.8	383.2	341.9	300.6	259.2	221.7
-2.5°	581.4	534.5	500.7	473.0	447.9	420.3	382.7	340.6	299.4	258.9	221.4
-5°	578.7	534.2	500.6	472.0	447.9	418.9	381.2	338.5	297.6	258.0	220.7
-7.5°	576.4	533.5	499.7	470.5	446.9	416.5	378.7	335.5	295.1	256.5	219.4
-10°	573.1	532.0	498.3	469.9	445.3	414.0	375.2	331.7	292.0	254.5	217.6
-12.5°	568.3	529.0	496.0	468.4	443.0	411.2	371.6	328.2	288.4	251.8	215.3
-15°	562.1	524.5	492.6	466.0	440.1	407.3	367.0	324.5	285.5	248.9	212.5
-17.5°	555.0	518.4	488.3	462.7	436.6	402.3	361.4	320.0	281.9	245.7	209.5
-20°	547.9	512.5	483.2	458.4	432.6	396.2	354.9	314.7	277.7	242.0	206.2

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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°	539.7	506.7	478.4	453.1	426.7	389.0	347.4	308.6	272.8	237.7	202.5
-25°	530.1	499.5	472.5	447.4	418.0	379.8	339.4	301.8	267.4	232.9	198.3
-27.5°	520.6	491.2	465.5	440.7	408.7	369.5	331.0	294.9	261.3	227.5	193.6
-30°	510.0	482.6	457.3	432.2	399.3	359.6	321.7	287.4	254.6	221.6	188.5
-32.5°	496.1	472.7	448.0	421.3	388.0	348.9	312.2	279.3	247.3	215.2	182.7
-35°	481.8	460.7	437.6	410.7	375.2	337.9	302.6	270.6	239.5	208.3	176.3
-37.5°	467.0	447.3	426.1	398.1	361.5	325.9	292.6	261.6	231.2	200.9	169.4
-40°	452.7	433.6	413.1	382.2	347.1	312.8	281.8	252.0	222.3	193.1	162.0
-42.5°	438.1	419.0	395.4	365.1	331.7	299.9	270.3	241.9	213.1	184.3	154.1
-45°	422.0	402.3	376.5	346.8	315.5	286.2	258.5	231.1	203.3	174.7	146.0
-47.5°	404.7	383.1	357.1	328.1	299.4	272.0	246.1	219.4	192.8	164.5	137.9
-50°	385.6	363.1	336.8	309.1	282.2	257.9	233.1	207.1	181.0	154.0	129.4
-52.5°	363.6	341.3	315.1	288.8	265.2	243.4	218.6	194.1	168.7	143.8	120.6
-55°	339.3	316.9	291.5	268.6	247.6	226.6	203.5	180.0	156.1	133.4	111.5
-57.5°	311.6	289.7	268.2	248.0	228.2	208.5	187.6	165.5	143.6	122.5	102.1
-60°	283.2	263.3	244.4	225.9	207.7	189.9	171.3	150.7	130.7	111.3	92.5
-62.5°	253.5	236.3	219.4	202.9	186.9	171.0	154.5	135.8	117.5	100.1	82.6
-65°	224.1	209.2	194.0	180.3	166.2	151.8	137.1	120.4	104.4	88.5	72.8
-67.5°	195.1	182.5	170.0	157.8	145.2	132.4	119.2	105.4	91.2	76.8	63.5
-70°	166.8	156.2	145.8	135.0	124.0	112.9	102.4	90.6	77.8	66.0	54.1
-72.5°	139.6	131.0	121.7	112.2	103.6	94.7	85.6	75.8	65.5	55.1	44.5
-75°	113.8	106.3	98.6	91.1	83.8	76.5	69.8	62.1	53.1	44.0	36.2
-77.5°	88.8	82.6	76.2	70.9	66.0	60.7	54.8	48.3	41.1	34.6	28.4
-80°	65.9	62.0	57.9	53.7	49.5	44.9	40.3	35.5	30.2	25.2	20.4
-82.5°	45.8	42.8	39.8	36.6	33.3	30.0	26.5	23.0	19.2	15.7	13.5
-85°	25.5	23.6	21.5	19.4	17.2	15.0	13.8	12.7	11.5	10.2	9.0
-87.5°	10.1	9.6	9.1	8.6	8.1	7.5	6.9	6.3	5.7	5.1	4.5
-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):**

	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°	3.9	3.2	2.6	2.0	1.3	0.7	0.0
85°	7.8	6.5	5.2	3.9	2.6	1.3	0.0
82.5°	11.6	9.7	7.8	5.9	3.9	2.0	0.0
80°	15.8	12.9	10.4	7.8	5.2	2.6	0.0
77.5°	22.5	16.9	12.9	9.7	6.5	3.2	0.0
75°	29.1	22.5	15.8	11.6	7.8	3.9	0.0
72.5°	35.7	28.0	20.2	13.5	9.0	4.5	0.0
70°	42.4	33.4	24.5	15.6	10.2	5.1	0.0
67.5°	50.6	38.7	28.8	18.8	11.5	5.7	0.0
65°	58.6	44.7	33.0	22.0	12.7	6.3	0.0
62.5°	66.5	51.2	37.1	25.1	13.8	6.9	0.0
60°	74.2	57.7	41.1	28.1	15.0	7.5	0.0
57.5°	82.4	64.0	46.1	31.0	16.9	8.1	0.0
55°	90.3	70.1	51.0	33.9	18.8	8.6	0.0
52.5°	97.9	76.1	55.7	36.6	20.7	9.1	0.0
50°	105.3	82.2	60.3	39.3	22.5	9.6	0.0
47.5°	112.3	88.0	64.8	42.1	24.2	10.1	0.0
45°	119.3	93.5	69.1	45.3	25.9	10.6	0.0
42.5°	126.0	98.8	73.1	48.4	27.5	11.1	0.0
40°	132.3	103.8	77.1	51.2	29.0	11.5	0.0
37.5°	138.3	108.4	80.8	53.9	30.4	11.9	0.0
35°	144.0	113.0	84.4	56.5	31.8	12.3	0.0
32.5°	149.4	117.4	87.7	58.8	33.0	12.6	0.0
30°	154.5	121.5	90.7	60.9	34.2	13.0	0.0
27.5°	159.1	125.3	93.4	62.8	35.3	13.3	0.0
25°	163.3	128.8	96.0	64.6	36.4	13.6	0.0
22.5°	167.1	132.0	98.3	66.1	37.3	13.9	0.0
20°	170.3	134.7	100.5	67.5	38.1	14.1	0.0
17.5°	173.3	137.0	102.4	68.6	38.9	14.3	0.0
15°	176.1	139.0	104.1	69.6	39.5	14.5	0.0
12.5°	178.5	140.5	105.6	70.4	40.1	14.6	0.0
10°	180.4	141.7	106.8	70.9	40.5	14.8	0.0
7.5°	182.0	142.5	107.7	71.3	40.8	14.9	0.0
5°	183.2	142.9	108.4	71.5	41.1	14.9	0.0
2.5°	183.9	143.0	108.9	71.6	41.2	15.0	0.0
0°	184.1	142.8	109.0	71.4	41.3	15.0	0.0
-2.5°	183.9	143.0	108.9	71.6	41.2	15.0	0.0
-5°	183.2	142.9	108.4	71.5	41.1	14.9	0.0
-7.5°	182.0	142.5	107.7	71.3	40.8	14.9	0.0
-10°	180.4	141.7	106.8	70.9	40.5	14.8	0.0
-12.5°	178.5	140.5	105.6	70.4	40.1	14.6	0.0
-15°	176.1	139.0	104.1	69.6	39.5	14.5	0.0
-17.5°	173.3	137.0	102.4	68.6	38.9	14.3	0.0
-20°	170.3	134.7	100.5	67.5	38.1	14.1	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	167.1	132.0	98.3	66.1	37.3	13.9	0.0
-25°	163.3	128.8	96.0	64.6	36.4	13.6	0.0
-27.5°	159.1	125.3	93.4	62.8	35.3	13.3	0.0
-30°	154.5	121.5	90.7	60.9	34.2	13.0	0.0
-32.5°	149.4	117.4	87.7	58.8	33.0	12.6	0.0
-35°	144.0	113.0	84.4	56.5	31.8	12.3	0.0
-37.5°	138.3	108.4	80.8	53.9	30.4	11.9	0.0
-40°	132.3	103.8	77.1	51.2	29.0	11.5	0.0
-42.5°	126.0	98.8	73.1	48.4	27.5	11.1	0.0
-45°	119.3	93.5	69.1	45.3	25.9	10.6	0.0
-47.5°	112.3	88.0	64.8	42.1	24.2	10.1	0.0
-50°	105.3	82.2	60.3	39.3	22.5	9.6	0.0
-52.5°	97.9	76.1	55.7	36.6	20.7	9.1	0.0
-55°	90.3	70.1	51.0	33.9	18.8	8.6	0.0
-57.5°	82.4	64.0	46.1	31.0	16.9	8.1	0.0
-60°	74.2	57.7	41.1	28.1	15.0	7.5	0.0
-62.5°	66.5	51.2	37.1	25.1	13.8	6.9	0.0
-65°	58.6	44.7	33.0	22.0	12.7	6.3	0.0
-67.5°	50.6	38.7	28.8	18.8	11.5	5.7	0.0
-70°	42.4	33.4	24.5	15.6	10.2	5.1	0.0
-72.5°	35.7	28.0	20.2	13.5	9.0	4.5	0.0
-75°	29.1	22.5	15.8	11.6	7.8	3.9	0.0
-77.5°	22.5	16.9	12.9	9.7	6.5	3.2	0.0
-80°	15.8	12.9	10.4	7.8	5.2	2.6	0.0
-82.5°	11.6	9.7	7.8	5.9	3.9	2.0	0.0
-85°	7.8	6.5	5.2	3.9	2.6	1.3	0.0
-87.5°	3.9	3.2	2.6	2.0	1.3	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)