

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: P627077 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3B-727-U-MWR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P627077 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA3B-727-U-MWR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N63  
Light Source: (48) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

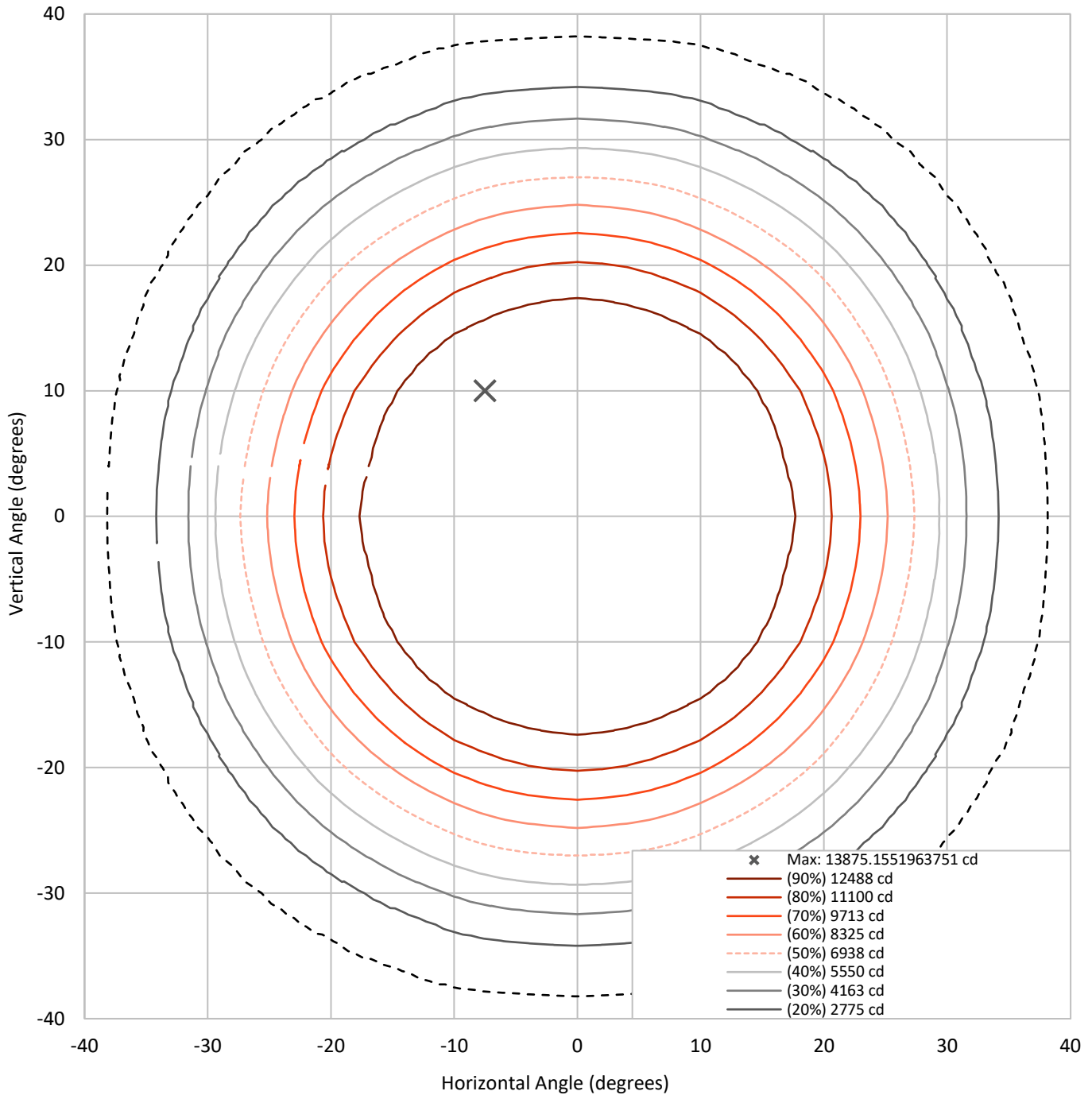
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	11809.1 lumens	Max Intensity:	13875.2 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 10°V
Efficacy:	126.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	51°H x 52.3°V	Field Angle (10%):	74.5°H x 75.5°V
Beam Lumens:	7838.1 lumens	Field Lumens:	10191.8 lumens
Beam Efficiency:	66.4%	Field Efficiency:	86.3%
Input Watts (W):	93.7		
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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CATALOG NUMBER: GFLD-SA3B-727-U-MWR-XX

### Iso-Candela Plot





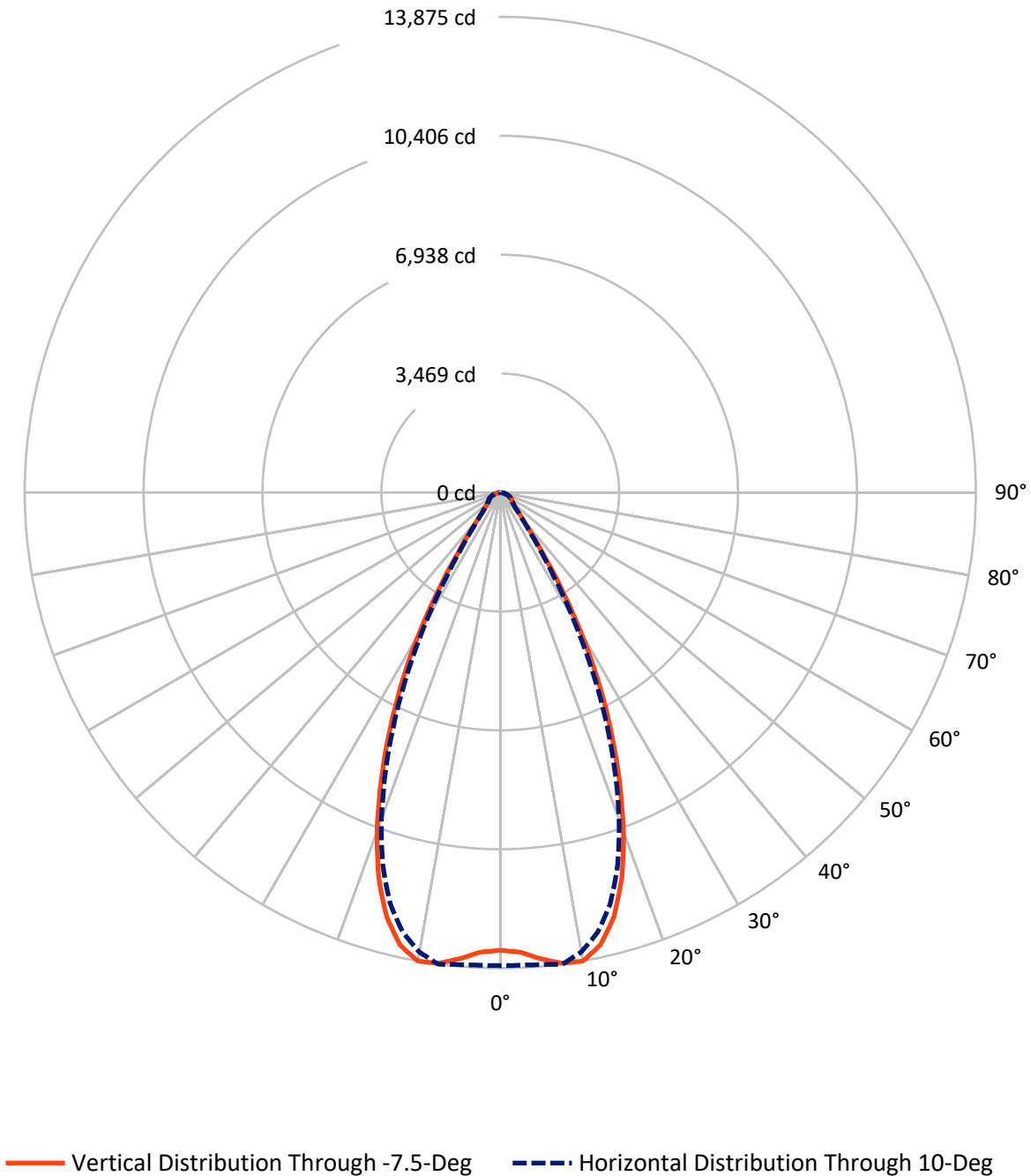
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### Lumen Table

90																
80	0.3	2.8		7.4		11.7		13.1		11.7		7.4		2.8		0.3
70																
60	1.3	1.4	2.9	4.7	6.6	8.0	9.1	9.6	9.6	9.1	8.0	6.6	4.7	2.9	1.4	1.3
50		2.1	4.3	6.8	9.1	11.0	12.3	12.9	12.9	12.3	11.0	9.1	6.8	4.3	2.1	
40	2.2	2.7	5.4	8.3	11.1	14.4	18.1	20.8	20.8	18.1	14.4	11.1	8.3	5.4	2.7	2.2
30		3.3	6.3	9.5	14.7	26.8	51.4	76.1	76.1	51.4	26.8	14.7	9.5	6.3	3.3	
20	2.9	3.6	6.8	11.1	24.2	75.8	170.1	237.5	237.5	170.1	75.8	24.2	11.1	6.8	3.6	2.9
10		3.9	7.2	13.2	43.7	161.6	308.6	386.3	386.3	308.6	161.6	43.7	13.2	7.2	3.9	
0	3.1	4.0	7.4	14.8	62.9	221.2	374.4	407.4	407.4	374.4	221.2	62.9	14.8	7.4	4.0	3.1
-10		4.0	7.4	14.8	62.9	221.2	374.4	407.4	407.4	374.4	221.2	62.9	14.8	7.4	4.0	
-20	2.9	3.9	7.2	13.2	43.7	161.6	308.6	386.3	386.3	308.6	161.6	43.7	13.2	7.2	3.9	2.9
-30		3.6	6.8	11.1	24.2	75.8	170.1	237.5	237.5	170.1	75.8	24.2	11.1	6.8	3.6	
-40	2.2	3.3	6.3	9.5	14.7	26.8	51.4	76.1	76.1	51.4	26.8	14.7	9.5	6.3	3.3	2.2
-50		2.7	5.4	8.3	11.1	14.4	18.1	20.8	20.8	18.1	14.4	11.1	8.3	5.4	2.7	
-60	1.3	2.1	4.3	6.8	9.1	11.0	12.3	12.9	12.9	12.3	11.0	9.1	6.8	4.3	2.1	1.3
-70		1.4	2.9	4.7	6.6	8.0	9.1	9.6	9.6	9.1	8.0	6.6	4.7	2.9	1.4	
-80																
-90	0.3	2.8		7.4		11.7		13.1		11.7		7.4		2.8		0.3
Horizontal Angle (degrees)																

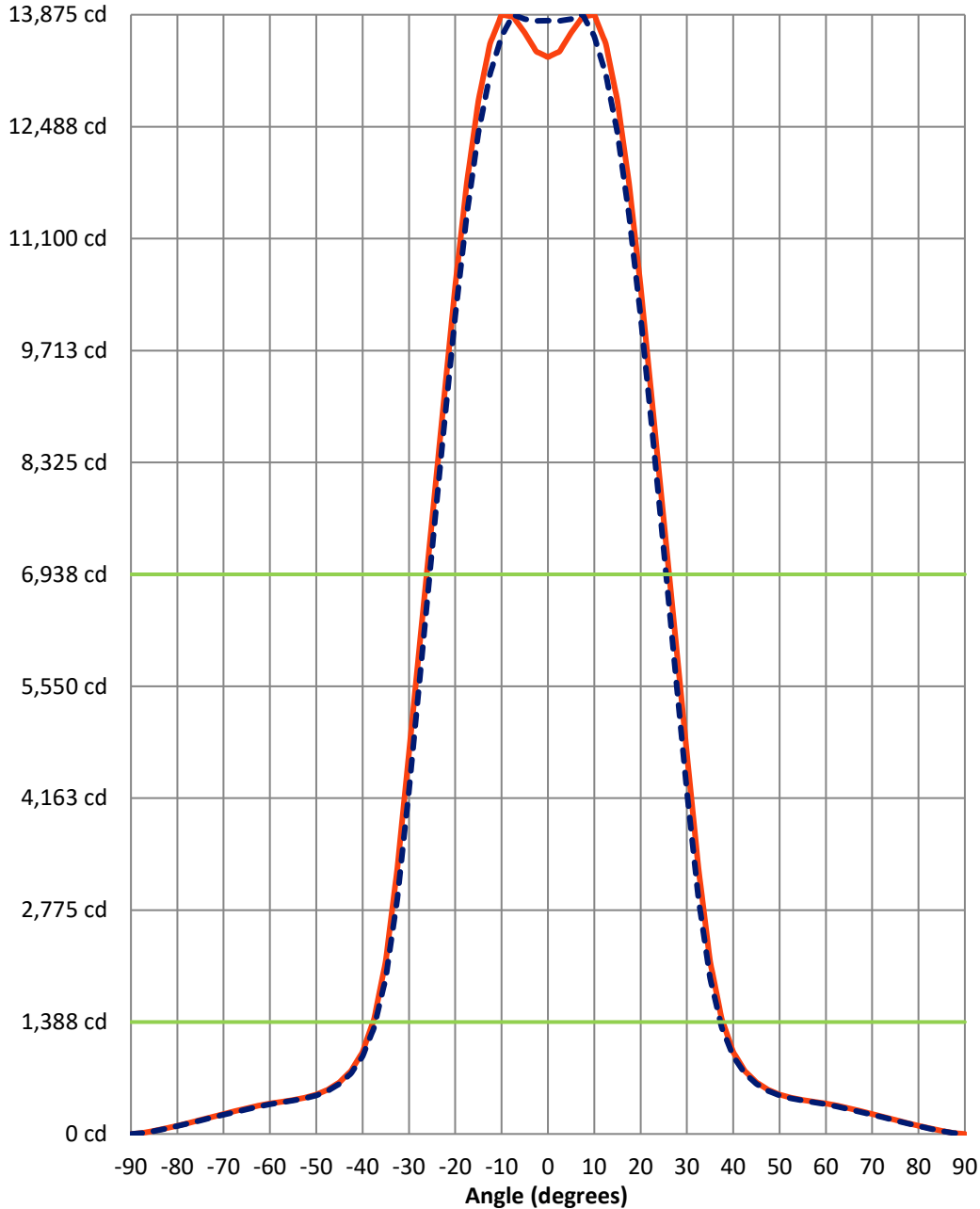
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 51°  
 V Angle: 52.3°  
 Lumens: 7838.1  
 Efficiency: 66.4%

**Field:**  
 H Angle: 74.5°  
 V Angle: 75.5°  
 Lumens: 10191.8  
 Efficiency: 86.3%

**Spill:**  
 Lumens: 1617.2  
 Efficiency: 13.7%

— Vertical Distribution through -7.5-Deg  
 - - Horizontal Distribution through 10-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	0.5	1.1	1.6	2.1	2.6	3.1	3.8	4.6	5.3	6.2
85°	0.0	1.1	2.1	3.2	4.2	5.2	6.3	7.6	9.1	10.7	12.3
82.5°	0.0	1.6	3.2	4.7	6.3	7.8	9.4	11.4	13.9	17.6	21.0
80°	0.0	2.1	4.2	6.3	8.4	10.4	12.9	17.8	22.6	27.0	31.2
77.5°	0.0	2.6	5.2	7.8	10.4	14.1	19.7	25.6	31.2	36.4	42.0
75°	0.0	3.1	6.3	9.4	12.9	19.7	26.5	33.3	39.9	47.5	55.0
72.5°	0.0	3.6	7.3	10.9	17.4	25.3	33.2	41.3	50.3	59.2	67.9
70°	0.0	4.1	8.3	12.7	21.8	30.8	39.9	50.3	60.5	70.7	81.3
67.5°	0.0	4.6	9.3	16.0	26.1	36.2	47.4	59.2	70.7	82.6	94.7
65°	0.0	5.1	10.2	19.2	30.4	41.9	54.9	67.9	80.9	94.2	108.3
62.5°	0.0	5.6	11.2	22.3	34.6	47.9	62.1	76.5	90.9	105.9	123.0
60°	0.0	6.0	12.1	25.4	38.7	53.7	69.1	84.9	100.6	118.6	137.2
57.5°	0.0	6.5	14.0	28.4	43.1	59.3	76.2	93.1	111.2	131.0	150.7
55°	0.0	6.9	16.0	31.3	47.5	64.8	83.1	101.1	121.7	142.8	163.5
52.5°	0.0	7.4	17.8	34.2	51.6	70.1	89.9	109.9	131.9	154.1	176.1
50°	0.0	7.8	19.6	36.9	55.7	75.7	96.5	118.5	141.6	165.0	188.2
47.5°	0.0	8.2	21.3	39.6	59.5	81.0	103.0	126.7	150.9	175.5	199.9
45°	0.0	8.6	22.9	42.4	63.2	86.2	109.7	134.6	160.0	185.7	211.2
42.5°	0.0	8.9	24.4	45.0	66.7	91.2	116.1	142.1	168.5	195.4	221.9
40°	0.0	9.3	25.9	47.4	70.3	95.9	122.2	149.2	176.7	204.7	232.1
37.5°	0.0	9.6	27.2	49.7	73.9	100.5	127.9	155.8	184.6	213.6	242.0
35°	0.0	9.9	28.5	51.8	77.4	104.9	133.3	162.1	192.2	222.0	251.1
32.5°	0.0	10.2	29.7	53.8	80.6	109.1	138.3	167.9	199.3	229.7	259.2
30°	0.0	10.5	30.8	55.6	83.6	113.0	142.9	173.3	206.1	236.9	266.8
27.5°	0.0	10.7	31.8	57.3	86.3	116.6	147.1	178.7	212.2	243.4	273.7
25°	0.0	11.0	32.7	58.9	88.8	119.9	151.0	183.7	217.5	249.2	280.1
22.5°	0.0	11.2	33.5	60.3	91.0	122.8	154.5	188.2	222.3	254.3	285.9
20°	0.0	11.4	34.2	61.5	93.0	125.3	157.5	192.3	226.5	258.9	291.0
17.5°	0.0	11.5	34.8	62.6	94.7	127.4	160.3	196.0	230.2	262.9	295.5
15°	0.0	11.7	35.3	63.5	96.2	129.3	162.8	199.3	233.3	266.4	299.4
12.5°	0.0	11.8	35.8	64.3	97.4	130.8	164.9	202.2	236.1	269.2	302.6
10°	0.0	11.9	36.1	64.9	98.4	132.0	166.7	204.5	238.5	271.9	305.3
7.5°	0.0	12.0	36.3	65.3	99.1	132.9	168.1	206.4	240.4	274.0	307.7
5°	0.0	12.1	36.4	65.6	99.5	133.5	169.2	207.7	241.7	275.6	309.4
2.5°	0.0	12.1	36.5	65.7	99.7	133.7	169.8	208.5	242.5	276.5	310.5
0°	0.0	12.1	36.4	65.6	99.6	133.6	170.0	208.8	242.8	276.8	310.8
-2.5°	0.0	12.1	36.5	65.7	99.7	133.7	169.8	208.5	242.5	276.5	310.5
-5°	0.0	12.1	36.4	65.6	99.5	133.5	169.2	207.7	241.7	275.6	309.4
-7.5°	0.0	12.0	36.3	65.3	99.1	132.9	168.1	206.4	240.4	274.0	307.7
-10°	0.0	11.9	36.1	64.9	98.4	132.0	166.7	204.5	238.5	271.9	305.3
-12.5°	0.0	11.8	35.8	64.3	97.4	130.8	164.9	202.2	236.1	269.2	302.6
-15°	0.0	11.7	35.3	63.5	96.2	129.3	162.8	199.3	233.3	266.4	299.4
-17.5°	0.0	11.5	34.8	62.6	94.7	127.4	160.3	196.0	230.2	262.9	295.5
-20°	0.0	11.4	34.2	61.5	93.0	125.3	157.5	192.3	226.5	258.9	291.0

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Scaled Data Report



REPORT NUMBER: P627077 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3B-727-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	11.2	33.5	60.3	91.0	122.8	154.5	188.2	222.3	254.3	285.9
-25°	0.0	11.0	32.7	58.9	88.8	119.9	151.0	183.7	217.5	249.2	280.1
-27.5°	0.0	10.7	31.8	57.3	86.3	116.6	147.1	178.7	212.2	243.4	273.7
-30°	0.0	10.5	30.8	55.6	83.6	113.0	142.9	173.3	206.1	236.9	266.8
-32.5°	0.0	10.2	29.7	53.8	80.6	109.1	138.3	167.9	199.3	229.7	259.2
-35°	0.0	9.9	28.5	51.8	77.4	104.9	133.3	162.1	192.2	222.0	251.1
-37.5°	0.0	9.6	27.2	49.7	73.9	100.5	127.9	155.8	184.6	213.6	242.0
-40°	0.0	9.3	25.9	47.4	70.3	95.9	122.2	149.2	176.7	204.7	232.1
-42.5°	0.0	8.9	24.4	45.0	66.7	91.2	116.1	142.1	168.5	195.4	221.9
-45°	0.0	8.6	22.9	42.4	63.2	86.2	109.7	134.6	160.0	185.7	211.2
-47.5°	0.0	8.2	21.3	39.6	59.5	81.0	103.0	126.7	150.9	175.5	199.9
-50°	0.0	7.8	19.6	36.9	55.7	75.7	96.5	118.5	141.6	165.0	188.2
-52.5°	0.0	7.4	17.8	34.2	51.6	70.1	89.9	109.9	131.9	154.1	176.1
-55°	0.0	6.9	16.0	31.3	47.5	64.8	83.1	101.1	121.7	142.8	163.5
-57.5°	0.0	6.5	14.0	28.4	43.1	59.3	76.2	93.1	111.2	131.0	150.7
-60°	0.0	6.0	12.1	25.4	38.7	53.7	69.1	84.9	100.6	118.6	137.2
-62.5°	0.0	5.6	11.2	22.3	34.6	47.9	62.1	76.5	90.9	105.9	123.0
-65°	0.0	5.1	10.2	19.2	30.4	41.9	54.9	67.9	80.9	94.2	108.3
-67.5°	0.0	4.6	9.3	16.0	26.1	36.2	47.4	59.2	70.7	82.6	94.7
-70°	0.0	4.1	8.3	12.7	21.8	30.8	39.9	50.3	60.5	70.7	81.3
-72.5°	0.0	3.6	7.3	10.9	17.4	25.3	33.2	41.3	50.3	59.2	67.9
-75°	0.0	3.1	6.3	9.4	12.9	19.7	26.5	33.3	39.9	47.5	55.0
-77.5°	0.0	2.6	5.2	7.8	10.4	14.1	19.7	25.6	31.2	36.4	42.0
-80°	0.0	2.1	4.2	6.3	8.4	10.4	12.9	17.8	22.6	27.0	31.2
-82.5°	0.0	1.6	3.2	4.7	6.3	7.8	9.4	11.4	13.9	17.6	21.0
-85°	0.0	1.1	2.1	3.2	4.2	5.2	6.3	7.6	9.1	10.7	12.3
-87.5°	0.0	0.5	1.1	1.6	2.1	2.6	3.1	3.8	4.6	5.3	6.2
-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°	6.7	7.3	7.8	8.4	8.9	9.4	9.9	10.3	10.8	11.2	11.6
85°	13.5	14.6	16.5	18.5	20.4	22.2	24.0	25.6	27.2	28.8	30.2
82.5°	24.1	27.2	30.5	33.7	36.6	39.3	42.0	44.7	47.5	50.2	52.9
80°	35.4	39.8	44.8	49.6	53.7	57.7	61.5	65.2	69.2	73.5	77.8
77.5°	48.5	54.7	60.6	66.1	71.4	77.2	82.8	88.1	93.7	99.2	104.5
75°	62.5	69.6	77.1	84.5	91.7	98.6	105.4	112.3	119.3	126.3	132.9
72.5°	76.9	86.0	94.9	103.5	112.4	121.1	129.5	137.5	145.9	154.4	162.6
70°	92.0	102.3	113.2	123.7	133.8	143.9	154.2	164.1	173.7	183.6	193.4
67.5°	107.2	120.1	132.4	144.1	155.9	167.9	179.4	191.3	202.7	214.2	225.1
65°	123.9	138.0	151.5	164.8	178.3	192.3	206.0	219.1	232.4	245.2	256.8
62.5°	140.3	155.3	170.2	185.4	201.4	217.1	232.1	247.2	262.6	276.0	287.7
60°	155.3	172.0	188.6	206.0	223.7	240.6	257.3	273.8	290.3	305.8	315.3
57.5°	169.8	188.3	206.7	225.4	244.0	262.9	280.5	298.6	314.0	327.0	338.1
55°	184.0	204.1	223.7	243.3	263.4	283.1	302.3	319.5	334.5	345.4	356.0
52.5°	197.8	218.9	239.2	260.4	281.8	302.7	322.7	338.7	351.0	362.1	372.0
50°	211.1	232.7	254.1	277.0	299.6	321.8	340.6	354.5	367.1	377.8	388.3
47.5°	223.6	246.1	269.0	293.1	316.9	338.4	355.6	370.2	383.0	394.6	407.0
45°	235.7	259.5	283.7	308.6	332.9	353.6	370.3	386.0	397.9	411.1	425.3
42.5°	247.4	272.4	297.8	323.6	348.1	367.4	384.0	398.4	412.5	428.1	445.3
40°	258.5	284.6	311.1	337.9	362.3	379.5	395.7	411.0	428.1	446.7	466.5
37.5°	268.9	296.0	323.5	351.3	372.8	390.5	407.1	424.1	444.1	465.5	492.4
35°	278.7	306.7	335.1	361.8	382.2	400.9	418.1	437.2	460.4	488.5	522.9
32.5°	287.7	316.5	345.7	370.3	390.9	410.3	428.0	451.7	479.6	513.0	561.9
30°	296.1	325.5	354.9	378.6	398.7	418.2	439.8	466.5	499.1	547.9	610.3
27.5°	303.8	333.7	362.0	385.5	405.6	425.8	451.0	483.4	526.4	584.6	662.2
25°	310.9	341.5	368.8	391.3	412.1	434.4	461.9	498.2	554.8	630.0	734.9
22.5°	317.3	348.6	375.4	396.3	418.1	442.4	474.4	519.8	585.1	672.9	808.2
20°	323.0	353.9	380.3	401.1	423.7	449.0	485.5	540.3	619.0	732.7	905.4
17.5°	328.0	358.6	384.0	405.6	429.2	456.4	496.3	558.1	649.2	784.9	1003.7
15°	332.4	362.6	387.1	409.5	434.0	464.9	511.4	581.3	684.2	839.2	1089.4
12.5°	335.9	365.9	389.7	412.7	437.9	472.0	524.3	603.2	720.6	905.9	1215.6
10°	338.7	368.5	391.6	415.1	441.0	477.7	534.8	621.2	750.7	963.7	1323.3
7.5°	341.3	370.4	393.0	416.9	443.1	481.9	542.8	634.9	773.8	1009.0	1408.5
5°	343.3	371.5	393.7	417.9	445.0	484.7	548.2	644.5	789.8	1041.5	1468.5
2.5°	344.4	371.9	393.9	418.2	446.3	485.9	551.0	649.8	802.3	1056.8	1500.7
0°	344.8	371.5	393.4	417.7	446.8	485.6	551.2	650.8	808.6	1056.3	1505.5
-2.5°	344.4	371.9	393.9	418.2	446.3	485.9	551.0	649.8	802.3	1056.8	1500.7
-5°	343.3	371.5	393.7	417.9	445.0	484.7	548.2	644.5	789.8	1041.5	1468.5
-7.5°	341.3	370.4	393.0	416.9	443.1	481.9	542.8	634.9	773.8	1009.0	1408.5
-10°	338.7	368.5	391.6	415.1	441.0	477.7	534.8	621.2	750.7	963.7	1323.3
-12.5°	335.9	365.9	389.7	412.7	437.9	472.0	524.3	603.2	720.6	905.9	1215.6
-15°	332.4	362.6	387.1	409.5	434.0	464.9	511.4	581.3	684.2	839.2	1089.4
-17.5°	328.0	358.6	384.0	405.6	429.2	456.4	496.3	558.1	649.2	784.9	1003.7
-20°	323.0	353.9	380.3	401.1	423.7	449.0	485.5	540.3	619.0	732.7	905.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627077 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3B-727-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	317.3	348.6	375.4	396.3	418.1	442.4	474.4	519.8	585.1	672.9	808.2
-25°	310.9	341.5	368.8	391.3	412.1	434.4	461.9	498.2	554.8	630.0	734.9
-27.5°	303.8	333.7	362.0	385.5	405.6	425.8	451.0	483.4	526.4	584.6	662.2
-30°	296.1	325.5	354.9	378.6	398.7	418.2	439.8	466.5	499.1	547.9	610.3
-32.5°	287.7	316.5	345.7	370.3	390.9	410.3	428.0	451.7	479.6	513.0	561.9
-35°	278.7	306.7	335.1	361.8	382.2	400.9	418.1	437.2	460.4	488.5	522.9
-37.5°	268.9	296.0	323.5	351.3	372.8	390.5	407.1	424.1	444.1	465.5	492.4
-40°	258.5	284.6	311.1	337.9	362.3	379.5	395.7	411.0	428.1	446.7	466.5
-42.5°	247.4	272.4	297.8	323.6	348.1	367.4	384.0	398.4	412.5	428.1	445.3
-45°	235.7	259.5	283.7	308.6	332.9	353.6	370.3	386.0	397.9	411.1	425.3
-47.5°	223.6	246.1	269.0	293.1	316.9	338.4	355.6	370.2	383.0	394.6	407.0
-50°	211.1	232.7	254.1	277.0	299.6	321.8	340.6	354.5	367.1	377.8	388.3
-52.5°	197.8	218.9	239.2	260.4	281.8	302.7	322.7	338.7	351.0	362.1	372.0
-55°	184.0	204.1	223.7	243.3	263.4	283.1	302.3	319.5	334.5	345.4	356.0
-57.5°	169.8	188.3	206.7	225.4	244.0	262.9	280.5	298.6	314.0	327.0	338.1
-60°	155.3	172.0	188.6	206.0	223.7	240.6	257.3	273.8	290.3	305.8	315.3
-62.5°	140.3	155.3	170.2	185.4	201.4	217.1	232.1	247.2	262.6	276.0	287.7
-65°	123.9	138.0	151.5	164.8	178.3	192.3	206.0	219.1	232.4	245.2	256.8
-67.5°	107.2	120.1	132.4	144.1	155.9	167.9	179.4	191.3	202.7	214.2	225.1
-70°	92.0	102.3	113.2	123.7	133.8	143.9	154.2	164.1	173.7	183.6	193.4
-72.5°	76.9	86.0	94.9	103.5	112.4	121.1	129.5	137.5	145.9	154.4	162.6
-75°	62.5	69.6	77.1	84.5	91.7	98.6	105.4	112.3	119.3	126.3	132.9
-77.5°	48.5	54.7	60.6	66.1	71.4	77.2	82.8	88.1	93.7	99.2	104.5
-80°	35.4	39.8	44.8	49.6	53.7	57.7	61.5	65.2	69.2	73.5	77.8
-82.5°	24.1	27.2	30.5	33.7	36.6	39.3	42.0	44.7	47.5	50.2	52.9
-85°	13.5	14.6	16.5	18.5	20.4	22.2	24.0	25.6	27.2	28.8	30.2
-87.5°	6.7	7.3	7.8	8.4	8.9	9.4	9.9	10.3	10.8	11.2	11.6
-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: P627077 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3B-727-U-MWR-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°	12.0	11.8	11.6	11.3	11.0	11.8	12.5	13.3	14.1	13.6	13.1
85°	31.6	32.3	32.9	33.5	33.9	35.4	36.8	38.2	39.5	39.4	39.3
82.5°	55.6	57.4	58.9	60.3	61.5	63.3	64.9	66.2	67.4	68.3	69.0
80°	81.9	84.8	87.3	89.6	91.6	94.0	96.1	98.0	99.7	100.6	101.2
77.5°	109.7	114.0	117.8	121.4	124.9	128.3	131.4	134.2	136.6	137.1	137.0
75°	139.3	145.0	150.3	155.3	159.8	163.8	167.1	169.9	172.2	173.3	173.9
72.5°	170.3	177.3	183.6	189.3	194.1	198.2	201.7	204.7	207.3	209.0	209.9
70°	202.7	211.0	217.4	222.8	226.9	230.9	235.5	239.8	243.9	246.1	247.0
67.5°	235.2	243.8	249.7	254.5	258.3	262.3	268.0	273.2	277.7	280.8	282.8
65°	267.0	276.0	281.9	286.6	290.1	294.1	300.4	305.5	309.4	312.5	315.2
62.5°	298.4	307.5	314.1	319.6	324.7	329.1	334.3	338.6	341.9	344.9	348.4
60°	325.5	336.4	343.3	348.9	355.2	362.1	365.9	369.1	371.9	374.4	376.5
57.5°	347.7	357.4	366.3	373.1	379.6	386.0	390.5	393.6	396.0	397.8	398.5
55°	366.4	376.3	386.3	393.6	400.1	406.0	411.0	414.9	418.1	420.7	421.3
52.5°	383.0	394.2	404.0	412.5	421.0	428.0	433.5	438.8	443.4	447.2	448.8
50°	401.1	412.9	425.1	436.4	445.5	453.5	460.1	467.6	475.5	482.1	486.2
47.5°	420.2	433.8	448.5	462.4	473.2	485.0	496.0	507.2	521.9	534.3	543.5
45°	440.2	457.6	474.4	492.0	506.9	529.2	549.9	567.7	591.3	612.8	629.8
42.5°	463.8	485.4	506.0	534.3	563.9	594.4	627.3	655.4	692.3	729.9	760.3
40°	491.7	519.3	555.6	593.6	640.4	682.3	739.1	789.8	846.5	918.1	977.4
37.5°	525.2	567.8	618.3	671.3	744.2	813.9	907.9	1006.9	1096.7	1234.6	1350.7
35°	568.9	628.3	694.8	788.6	891.9	1022.5	1169.1	1360.3	1524.3	1756.9	1979.2
32.5°	625.1	701.5	810.2	955.0	1107.6	1344.8	1577.4	1909.4	2216.8	2585.4	2983.3
30°	687.7	804.0	970.0	1168.6	1453.4	1802.3	2212.2	2722.1	3280.2	3798.3	4308.9
27.5°	778.3	945.0	1163.2	1483.6	1927.4	2415.5	3133.7	3826.0	4548.1	5190.1	5725.5
25°	884.1	1104.5	1441.8	1913.6	2513.8	3349.7	4209.4	5063.7	5840.4	6512.5	7104.0
22.5°	1020.8	1337.8	1787.5	2398.6	3333.2	4335.0	5343.2	6285.5	7114.0	7862.4	8502.8
20°	1169.5	1566.2	2208.4	3119.6	4188.3	5329.8	6468.1	7471.8	8384.1	9232.6	9954.4
17.5°	1358.0	1913.5	2726.7	3819.8	5055.5	6306.1	7501.9	8591.2	9626.1	10524.0	11278.1
15°	1518.5	2219.3	3280.6	4562.7	5899.2	7218.4	8480.9	9664.1	10740.1	11661.4	12370.4
12.5°	1732.7	2562.0	3772.5	5201.3	6649.7	8037.7	9367.6	10590.5	11685.5	12596.7	13148.6
10°	1935.2	2916.9	4247.9	5738.0	7242.7	8721.6	10141.6	11395.8	12412.4	13137.2	13607.5
7.5°	2107.3	3221.9	4634.6	6171.7	7713.8	9260.1	10697.4	11917.7	12855.1	13460.4	13787.9
5°	2235.9	3449.9	4921.6	6524.2	8106.6	9680.0	11106.1	12251.7	13061.9	13511.5	13675.9
2.5°	2317.8	3583.8	5088.2	6755.5	8369.5	9945.7	11386.5	12514.1	13201.4	13499.5	13527.8
0°	2350.5	3601.1	5113.9	6876.8	8435.7	10021.4	11466.2	12622.0	13253.4	13498.6	13493.8
-2.5°	2317.8	3583.8	5088.2	6755.5	8369.5	9945.7	11386.5	12514.1	13201.4	13499.5	13527.8
-5°	2235.9	3449.9	4921.6	6524.2	8106.6	9680.0	11106.1	12251.7	13061.9	13511.5	13675.9
-7.5°	2107.3	3221.9	4634.6	6171.7	7713.8	9260.1	10697.4	11917.7	12855.1	13460.4	13787.9
-10°	1935.2	2916.9	4247.9	5738.0	7242.7	8721.6	10141.6	11395.8	12412.4	13137.2	13607.5
-12.5°	1732.7	2562.0	3772.5	5201.3	6649.7	8037.7	9367.6	10590.5	11685.5	12596.7	13148.6
-15°	1518.5	2219.3	3280.6	4562.7	5899.2	7218.4	8480.9	9664.1	10740.1	11661.4	12370.4
-17.5°	1358.0	1913.5	2726.7	3819.8	5055.5	6306.1	7501.9	8591.2	9626.1	10524.0	11278.1
-20°	1169.5	1566.2	2208.4	3119.6	4188.3	5329.8	6468.1	7471.8	8384.1	9232.6	9954.4



REPORT NUMBER: P627077 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3B-727-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1020.8	1337.8	1787.5	2398.6	3333.2	4335.0	5343.2	6285.5	7114.0	7862.4	8502.8
-25°	884.1	1104.5	1441.8	1913.6	2513.8	3349.7	4209.4	5063.7	5840.4	6512.5	7104.0
-27.5°	778.3	945.0	1163.2	1483.6	1927.4	2415.5	3133.7	3826.0	4548.1	5190.1	5725.5
-30°	687.7	804.0	970.0	1168.6	1453.4	1802.3	2212.2	2722.1	3280.2	3798.3	4308.9
-32.5°	625.1	701.5	810.2	955.0	1107.6	1344.8	1577.4	1909.4	2216.8	2585.4	2983.3
-35°	568.9	628.3	694.8	788.6	891.9	1022.5	1169.1	1360.3	1524.3	1756.9	1979.2
-37.5°	525.2	567.8	618.3	671.3	744.2	813.9	907.9	1006.9	1096.7	1234.6	1350.7
-40°	491.7	519.3	555.6	593.6	640.4	682.3	739.1	789.8	846.5	918.1	977.4
-42.5°	463.8	485.4	506.0	534.3	563.9	594.4	627.3	655.4	692.3	729.9	760.3
-45°	440.2	457.6	474.4	492.0	506.9	529.2	549.9	567.7	591.3	612.8	629.8
-47.5°	420.2	433.8	448.5	462.4	473.2	485.0	496.0	507.2	521.9	534.3	543.5
-50°	401.1	412.9	425.1	436.4	445.5	453.5	460.1	467.6	475.5	482.1	486.2
-52.5°	383.0	394.2	404.0	412.5	421.0	428.0	433.5	438.8	443.4	447.2	448.8
-55°	366.4	376.3	386.3	393.6	400.1	406.0	411.0	414.9	418.1	420.7	421.3
-57.5°	347.7	357.4	366.3	373.1	379.6	386.0	390.5	393.6	396.0	397.8	398.5
-60°	325.5	336.4	343.3	348.9	355.2	362.1	365.9	369.1	371.9	374.4	376.5
-62.5°	298.4	307.5	314.1	319.6	324.7	329.1	334.3	338.6	341.9	344.9	348.4
-65°	267.0	276.0	281.9	286.6	290.1	294.1	300.4	305.5	309.4	312.5	315.2
-67.5°	235.2	243.8	249.7	254.5	258.3	262.3	268.0	273.2	277.7	280.8	282.8
-70°	202.7	211.0	217.4	222.8	226.9	230.9	235.5	239.8	243.9	246.1	247.0
-72.5°	170.3	177.3	183.6	189.3	194.1	198.2	201.7	204.7	207.3	209.0	209.9
-75°	139.3	145.0	150.3	155.3	159.8	163.8	167.1	169.9	172.2	173.3	173.9
-77.5°	109.7	114.0	117.8	121.4	124.9	128.3	131.4	134.2	136.6	137.1	137.0
-80°	81.9	84.8	87.3	89.6	91.6	94.0	96.1	98.0	99.7	100.6	101.2
-82.5°	55.6	57.4	58.9	60.3	61.5	63.3	64.9	66.2	67.4	68.3	69.0
-85°	31.6	32.3	32.9	33.5	33.9	35.4	36.8	38.2	39.5	39.4	39.3
-87.5°	12.0	11.8	11.6	11.3	11.0	11.8	12.5	13.3	14.1	13.6	13.1
-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: P627077 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3B-727-U-MWR-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°	12.6	12.1	12.1	12.1	12.1	12.1	12.6	13.1	13.6	14.1	13.3
85°	39.0	38.7	37.6	36.4	37.6	38.7	39.0	39.3	39.4	39.5	38.2
82.5°	69.6	70.0	69.1	68.0	69.1	70.0	69.6	69.0	68.3	67.4	66.2
80°	101.5	101.5	100.7	99.6	100.7	101.5	101.5	101.2	100.6	99.7	98.0
77.5°	136.4	135.4	135.8	136.0	135.8	135.4	136.4	137.0	137.1	136.6	134.2
75°	174.2	174.0	173.4	172.4	173.4	174.0	174.2	173.9	173.3	172.2	169.9
72.5°	210.4	210.4	209.9	208.8	209.9	210.4	210.4	209.9	209.0	207.3	204.7
70°	247.2	246.8	247.4	247.7	247.4	246.8	247.2	247.0	246.1	243.9	239.8
67.5°	284.2	285.2	285.1	284.1	285.1	285.2	284.2	282.8	280.8	277.7	273.2
65°	317.5	319.1	320.1	320.5	320.1	319.1	317.5	315.2	312.5	309.4	305.5
62.5°	351.0	353.0	353.1	352.1	353.1	353.0	351.0	348.4	344.9	341.9	338.6
60°	377.6	377.9	377.5	376.4	377.5	377.9	377.6	376.5	374.4	371.9	369.1
57.5°	398.5	397.8	397.0	395.8	397.0	397.8	398.5	398.5	397.8	396.0	393.6
55°	421.0	419.8	418.8	417.7	418.8	419.8	421.0	421.3	420.7	418.1	414.9
52.5°	449.1	448.5	447.8	446.8	447.8	448.5	449.1	448.8	447.2	443.4	438.8
50°	488.3	489.0	488.9	488.1	488.9	489.0	488.3	486.2	482.1	475.5	467.6
47.5°	549.3	552.6	554.8	556.1	554.8	552.6	549.3	543.5	534.3	521.9	507.2
45°	640.7	647.2	651.8	655.6	651.8	647.2	640.7	629.8	612.8	591.3	567.7
42.5°	781.7	796.2	803.1	801.3	803.1	796.2	781.7	760.3	729.9	692.3	655.4
40°	1016.8	1040.3	1053.2	1063.6	1053.2	1040.3	1016.8	977.4	918.1	846.5	789.8
37.5°	1429.8	1475.3	1499.3	1520.1	1499.3	1475.3	1429.8	1350.7	1234.6	1096.7	1006.9
35°	2145.2	2247.6	2302.4	2321.4	2302.4	2247.6	2145.2	1979.2	1756.9	1524.3	1360.3
32.5°	3292.9	3481.6	3586.0	3666.7	3586.0	3481.6	3292.9	2983.3	2585.4	2216.8	1909.4
30°	4713.3	4961.8	5099.9	5167.3	5099.9	4961.8	4713.3	4308.9	3798.3	3280.2	2722.1
27.5°	6169.2	6451.9	6600.7	6592.7	6600.7	6451.9	6169.2	5725.5	5190.1	4548.1	3826.0
25°	7611.2	7938.5	8086.9	8219.6	8086.9	7938.5	7611.2	7104.0	6512.5	5840.4	5063.7
22.5°	9069.6	9452.3	9661.2	9759.1	9661.2	9452.3	9069.6	8502.8	7862.4	7114.0	6285.5
20°	10510.6	10936.6	11158.4	11254.9	11158.4	10936.6	10510.6	9954.4	9232.6	8384.1	7471.8
17.5°	11788.6	12204.5	12415.9	12505.5	12415.9	12204.5	11788.6	11278.1	10524.0	9626.1	8591.2
15°	12809.1	13115.9	13295.6	13343.2	13295.6	13115.9	12809.1	12370.4	11661.4	10740.1	9664.1
12.5°	13514.5	13633.4	13719.8	13746.3	13719.8	13633.4	13514.5	13148.6	12596.7	11685.5	10590.5
10°	13875.2	13821.5	13799.4	13802.2	13799.4	13821.5	13875.2	13607.5	13137.2	12412.4	11395.8
7.5°	13850.3	13770.9	13611.5	13586.1	13611.5	13770.9	13850.3	13787.9	13460.4	12855.1	11917.7
5°	13651.3	13506.7	13242.0	13166.0	13242.0	13506.7	13651.3	13675.9	13511.5	13061.9	12251.7
2.5°	13419.4	13158.8	12915.0	12758.0	12915.0	13158.8	13419.4	13527.8	13499.5	13201.4	12514.1
0°	13350.5	13049.4	12733.7	12631.8	12733.7	13049.4	13350.5	13493.8	13498.6	13253.4	12622.0
-2.5°	13419.4	13158.8	12915.0	12758.0	12915.0	13158.8	13419.4	13527.8	13499.5	13201.4	12514.1
-5°	13651.3	13506.7	13242.0	13166.0	13242.0	13506.7	13651.3	13675.9	13511.5	13061.9	12251.7
-7.5°	13850.3	13770.9	13611.5	13586.1	13611.5	13770.9	13850.3	13787.9	13460.4	12855.1	11917.7
-10°	13875.2	13821.5	13799.4	13802.2	13799.4	13821.5	13875.2	13607.5	13137.2	12412.4	11395.8
-12.5°	13514.5	13633.4	13719.8	13746.3	13719.8	13633.4	13514.5	13148.6	12596.7	11685.5	10590.5
-15°	12809.1	13115.9	13295.6	13343.2	13295.6	13115.9	12809.1	12370.4	11661.4	10740.1	9664.1
-17.5°	11788.6	12204.5	12415.9	12505.5	12415.9	12204.5	11788.6	11278.1	10524.0	9626.1	8591.2
-20°	10510.6	10936.6	11158.4	11254.9	11158.4	10936.6	10510.6	9954.4	9232.6	8384.1	7471.8

Classified

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

Scaled Data Report



REPORT NUMBER: P627077 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3B-727-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9069.6	9452.3	9661.2	9759.1	9661.2	9452.3	9069.6	8502.8	7862.4	7114.0	6285.5
-25°	7611.2	7938.5	8086.9	8219.6	8086.9	7938.5	7611.2	7104.0	6512.5	5840.4	5063.7
-27.5°	6169.2	6451.9	6600.7	6592.7	6600.7	6451.9	6169.2	5725.5	5190.1	4548.1	3826.0
-30°	4713.3	4961.8	5099.9	5167.3	5099.9	4961.8	4713.3	4308.9	3798.3	3280.2	2722.1
-32.5°	3292.9	3481.6	3586.0	3666.7	3586.0	3481.6	3292.9	2983.3	2585.4	2216.8	1909.4
-35°	2145.2	2247.6	2302.4	2321.4	2302.4	2247.6	2145.2	1979.2	1756.9	1524.3	1360.3
-37.5°	1429.8	1475.3	1499.3	1520.1	1499.3	1475.3	1429.8	1350.7	1234.6	1096.7	1006.9
-40°	1016.8	1040.3	1053.2	1063.6	1053.2	1040.3	1016.8	977.4	918.1	846.5	789.8
-42.5°	781.7	796.2	803.1	801.3	803.1	796.2	781.7	760.3	729.9	692.3	655.4
-45°	640.7	647.2	651.8	655.6	651.8	647.2	640.7	629.8	612.8	591.3	567.7
-47.5°	549.3	552.6	554.8	556.1	554.8	552.6	549.3	543.5	534.3	521.9	507.2
-50°	488.3	489.0	488.9	488.1	488.9	489.0	488.3	486.2	482.1	475.5	467.6
-52.5°	449.1	448.5	447.8	446.8	447.8	448.5	449.1	448.8	447.2	443.4	438.8
-55°	421.0	419.8	418.8	417.7	418.8	419.8	421.0	421.3	420.7	418.1	414.9
-57.5°	398.5	397.8	397.0	395.8	397.0	397.8	398.5	398.5	397.8	396.0	393.6
-60°	377.6	377.9	377.5	376.4	377.5	377.9	377.6	376.5	374.4	371.9	369.1
-62.5°	351.0	353.0	353.1	352.1	353.1	353.0	351.0	348.4	344.9	341.9	338.6
-65°	317.5	319.1	320.1	320.5	320.1	319.1	317.5	315.2	312.5	309.4	305.5
-67.5°	284.2	285.2	285.1	284.1	285.1	285.2	284.2	282.8	280.8	277.7	273.2
-70°	247.2	246.8	247.4	247.7	247.4	246.8	247.2	247.0	246.1	243.9	239.8
-72.5°	210.4	210.4	209.9	208.8	209.9	210.4	210.4	209.9	209.0	207.3	204.7
-75°	174.2	174.0	173.4	172.4	173.4	174.0	174.2	173.9	173.3	172.2	169.9
-77.5°	136.4	135.4	135.8	136.0	135.8	135.4	136.4	137.0	137.1	136.6	134.2
-80°	101.5	101.5	100.7	99.6	100.7	101.5	101.5	101.2	100.6	99.7	98.0
-82.5°	69.6	70.0	69.1	68.0	69.1	70.0	69.6	69.0	68.3	67.4	66.2
-85°	39.0	38.7	37.6	36.4	37.6	38.7	39.0	39.3	39.4	39.5	38.2
-87.5°	12.6	12.1	12.1	12.1	12.1	12.1	12.6	13.1	13.6	14.1	13.3
-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: P627077 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3B-727-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.5	11.8	11.0	11.3	11.6	11.8	12.0	11.6	11.2	10.8	10.3
85°	36.8	35.4	33.9	33.5	32.9	32.3	31.6	30.2	28.8	27.2	25.6
82.5°	64.9	63.3	61.5	60.3	58.9	57.4	55.6	52.9	50.2	47.5	44.7
80°	96.1	94.0	91.6	89.6	87.3	84.8	81.9	77.8	73.5	69.2	65.2
77.5°	131.4	128.3	124.9	121.4	117.8	114.0	109.7	104.5	99.2	93.7	88.1
75°	167.1	163.8	159.8	155.3	150.3	145.0	139.3	132.9	126.3	119.3	112.3
72.5°	201.7	198.2	194.1	189.3	183.6	177.3	170.3	162.6	154.4	145.9	137.5
70°	235.5	230.9	226.9	222.8	217.4	211.0	202.7	193.4	183.6	173.7	164.1
67.5°	268.0	262.3	258.3	254.5	249.7	243.8	235.2	225.1	214.2	202.7	191.3
65°	300.4	294.1	290.1	286.6	281.9	276.0	267.0	256.8	245.2	232.4	219.1
62.5°	334.3	329.1	324.7	319.6	314.1	307.5	298.4	287.7	276.0	262.6	247.2
60°	365.9	362.1	355.2	348.9	343.3	336.4	325.5	315.3	305.8	290.3	273.8
57.5°	390.5	386.0	379.6	373.1	366.3	357.4	347.7	338.1	327.0	314.0	298.6
55°	411.0	406.0	400.1	393.6	386.3	376.3	366.4	356.0	345.4	334.5	319.5
52.5°	433.5	428.0	421.0	412.5	404.0	394.2	383.0	372.0	362.1	351.0	338.7
50°	460.1	453.5	445.5	436.4	425.1	412.9	401.1	388.3	377.8	367.1	354.5
47.5°	496.0	485.0	473.2	462.4	448.5	433.8	420.2	407.0	394.6	383.0	370.2
45°	549.9	529.2	506.9	492.0	474.4	457.6	440.2	425.3	411.1	397.9	386.0
42.5°	627.3	594.4	563.9	534.3	506.0	485.4	463.8	445.3	428.1	412.5	398.4
40°	739.1	682.3	640.4	593.6	555.6	519.3	491.7	466.5	446.7	428.1	411.0
37.5°	907.9	813.9	744.2	671.3	618.3	567.8	525.2	492.4	465.5	444.1	424.1
35°	1169.1	1022.5	891.9	788.6	694.8	628.3	568.9	522.9	488.5	460.4	437.2
32.5°	1577.4	1344.8	1107.6	955.0	810.2	701.5	625.1	561.9	513.0	479.6	451.7
30°	2212.2	1802.3	1453.4	1168.6	970.0	804.0	687.7	610.3	547.9	499.1	466.5
27.5°	3133.7	2415.5	1927.4	1483.6	1163.2	945.0	778.3	662.2	584.6	526.4	483.4
25°	4209.4	3349.7	2513.8	1913.6	1441.8	1104.5	884.1	734.9	630.0	554.8	498.2
22.5°	5343.2	4335.0	3333.2	2398.6	1787.5	1337.8	1020.8	808.2	672.9	585.1	519.8
20°	6468.1	5329.8	4188.3	3119.6	2208.4	1566.2	1169.5	905.4	732.7	619.0	540.3
17.5°	7501.9	6306.1	5055.5	3819.8	2726.7	1913.5	1358.0	1003.7	784.9	649.2	558.1
15°	8480.9	7218.4	5899.2	4562.7	3280.6	2219.3	1518.5	1089.4	839.2	684.2	581.3
12.5°	9367.6	8037.7	6649.7	5201.3	3772.5	2562.0	1732.7	1215.6	905.9	720.6	603.2
10°	10141.6	8721.6	7242.7	5738.0	4247.9	2916.9	1935.2	1323.3	963.7	750.7	621.2
7.5°	10697.4	9260.1	7713.8	6171.7	4634.6	3221.9	2107.3	1408.5	1009.0	773.8	634.9
5°	11106.1	9680.0	8106.6	6524.2	4921.6	3449.9	2235.9	1468.5	1041.5	789.8	644.5
2.5°	11386.5	9945.7	8369.5	6755.5	5088.2	3583.8	2317.8	1500.7	1056.8	802.3	649.8
0°	11466.2	10021.4	8435.7	6876.8	5113.9	3601.1	2350.5	1505.5	1056.3	808.6	650.8
-2.5°	11386.5	9945.7	8369.5	6755.5	5088.2	3583.8	2317.8	1500.7	1056.8	802.3	649.8
-5°	11106.1	9680.0	8106.6	6524.2	4921.6	3449.9	2235.9	1468.5	1041.5	789.8	644.5
-7.5°	10697.4	9260.1	7713.8	6171.7	4634.6	3221.9	2107.3	1408.5	1009.0	773.8	634.9
-10°	10141.6	8721.6	7242.7	5738.0	4247.9	2916.9	1935.2	1323.3	963.7	750.7	621.2
-12.5°	9367.6	8037.7	6649.7	5201.3	3772.5	2562.0	1732.7	1215.6	905.9	720.6	603.2
-15°	8480.9	7218.4	5899.2	4562.7	3280.6	2219.3	1518.5	1089.4	839.2	684.2	581.3
-17.5°	7501.9	6306.1	5055.5	3819.8	2726.7	1913.5	1358.0	1003.7	784.9	649.2	558.1
-20°	6468.1	5329.8	4188.3	3119.6	2208.4	1566.2	1169.5	905.4	732.7	619.0	540.3



REPORT NUMBER: P627077 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3B-727-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5343.2	4335.0	3333.2	2398.6	1787.5	1337.8	1020.8	808.2	672.9	585.1	519.8
-25°	4209.4	3349.7	2513.8	1913.6	1441.8	1104.5	884.1	734.9	630.0	554.8	498.2
-27.5°	3133.7	2415.5	1927.4	1483.6	1163.2	945.0	778.3	662.2	584.6	526.4	483.4
-30°	2212.2	1802.3	1453.4	1168.6	970.0	804.0	687.7	610.3	547.9	499.1	466.5
-32.5°	1577.4	1344.8	1107.6	955.0	810.2	701.5	625.1	561.9	513.0	479.6	451.7
-35°	1169.1	1022.5	891.9	788.6	694.8	628.3	568.9	522.9	488.5	460.4	437.2
-37.5°	907.9	813.9	744.2	671.3	618.3	567.8	525.2	492.4	465.5	444.1	424.1
-40°	739.1	682.3	640.4	593.6	555.6	519.3	491.7	466.5	446.7	428.1	411.0
-42.5°	627.3	594.4	563.9	534.3	506.0	485.4	463.8	445.3	428.1	412.5	398.4
-45°	549.9	529.2	506.9	492.0	474.4	457.6	440.2	425.3	411.1	397.9	386.0
-47.5°	496.0	485.0	473.2	462.4	448.5	433.8	420.2	407.0	394.6	383.0	370.2
-50°	460.1	453.5	445.5	436.4	425.1	412.9	401.1	388.3	377.8	367.1	354.5
-52.5°	433.5	428.0	421.0	412.5	404.0	394.2	383.0	372.0	362.1	351.0	338.7
-55°	411.0	406.0	400.1	393.6	386.3	376.3	366.4	356.0	345.4	334.5	319.5
-57.5°	390.5	386.0	379.6	373.1	366.3	357.4	347.7	338.1	327.0	314.0	298.6
-60°	365.9	362.1	355.2	348.9	343.3	336.4	325.5	315.3	305.8	290.3	273.8
-62.5°	334.3	329.1	324.7	319.6	314.1	307.5	298.4	287.7	276.0	262.6	247.2
-65°	300.4	294.1	290.1	286.6	281.9	276.0	267.0	256.8	245.2	232.4	219.1
-67.5°	268.0	262.3	258.3	254.5	249.7	243.8	235.2	225.1	214.2	202.7	191.3
-70°	235.5	230.9	226.9	222.8	217.4	211.0	202.7	193.4	183.6	173.7	164.1
-72.5°	201.7	198.2	194.1	189.3	183.6	177.3	170.3	162.6	154.4	145.9	137.5
-75°	167.1	163.8	159.8	155.3	150.3	145.0	139.3	132.9	126.3	119.3	112.3
-77.5°	131.4	128.3	124.9	121.4	117.8	114.0	109.7	104.5	99.2	93.7	88.1
-80°	96.1	94.0	91.6	89.6	87.3	84.8	81.9	77.8	73.5	69.2	65.2
-82.5°	64.9	63.3	61.5	60.3	58.9	57.4	55.6	52.9	50.2	47.5	44.7
-85°	36.8	35.4	33.9	33.5	32.9	32.3	31.6	30.2	28.8	27.2	25.6
-87.5°	12.5	11.8	11.0	11.3	11.6	11.8	12.0	11.6	11.2	10.8	10.3
-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: P627077 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3B-727-U-MWR-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°	9.9	9.4	8.9	8.4	7.8	7.3	6.7	6.2	5.3	4.6	3.8
85°	24.0	22.2	20.4	18.5	16.5	14.6	13.5	12.3	10.7	9.1	7.6
82.5°	42.0	39.3	36.6	33.7	30.5	27.2	24.1	21.0	17.6	13.9	11.4
80°	61.5	57.7	53.7	49.6	44.8	39.8	35.4	31.2	27.0	22.6	17.8
77.5°	82.8	77.2	71.4	66.1	60.6	54.7	48.5	42.0	36.4	31.2	25.6
75°	105.4	98.6	91.7	84.5	77.1	69.6	62.5	55.0	47.5	39.9	33.3
72.5°	129.5	121.1	112.4	103.5	94.9	86.0	76.9	67.9	59.2	50.3	41.3
70°	154.2	143.9	133.8	123.7	113.2	102.3	92.0	81.3	70.7	60.5	50.3
67.5°	179.4	167.9	155.9	144.1	132.4	120.1	107.2	94.7	82.6	70.7	59.2
65°	206.0	192.3	178.3	164.8	151.5	138.0	123.9	108.3	94.2	80.9	67.9
62.5°	232.1	217.1	201.4	185.4	170.2	155.3	140.3	123.0	105.9	90.9	76.5
60°	257.3	240.6	223.7	206.0	188.6	172.0	155.3	137.2	118.6	100.6	84.9
57.5°	280.5	262.9	244.0	225.4	206.7	188.3	169.8	150.7	131.0	111.2	93.1
55°	302.3	283.1	263.4	243.3	223.7	204.1	184.0	163.5	142.8	121.7	101.1
52.5°	322.7	302.7	281.8	260.4	239.2	218.9	197.8	176.1	154.1	131.9	109.9
50°	340.6	321.8	299.6	277.0	254.1	232.7	211.1	188.2	165.0	141.6	118.5
47.5°	355.6	338.4	316.9	293.1	269.0	246.1	223.6	199.9	175.5	150.9	126.7
45°	370.3	353.6	332.9	308.6	283.7	259.5	235.7	211.2	185.7	160.0	134.6
42.5°	384.0	367.4	348.1	323.6	297.8	272.4	247.4	221.9	195.4	168.5	142.1
40°	395.7	379.5	362.3	337.9	311.1	284.6	258.5	232.1	204.7	176.7	149.2
37.5°	407.1	390.5	372.8	351.3	323.5	296.0	268.9	242.0	213.6	184.6	155.8
35°	418.1	400.9	382.2	361.8	335.1	306.7	278.7	251.1	222.0	192.2	162.1
32.5°	428.0	410.3	390.9	370.3	345.7	316.5	287.7	259.2	229.7	199.3	167.9
30°	439.8	418.2	398.7	378.6	354.9	325.5	296.1	266.8	236.9	206.1	173.3
27.5°	451.0	425.8	405.6	385.5	362.0	333.7	303.8	273.7	243.4	212.2	178.7
25°	461.9	434.4	412.1	391.3	368.8	341.5	310.9	280.1	249.2	217.5	183.7
22.5°	474.4	442.4	418.1	396.3	375.4	348.6	317.3	285.9	254.3	222.3	188.2
20°	485.5	449.0	423.7	401.1	380.3	353.9	323.0	291.0	258.9	226.5	192.3
17.5°	496.3	456.4	429.2	405.6	384.0	358.6	328.0	295.5	262.9	230.2	196.0
15°	511.4	464.9	434.0	409.5	387.1	362.6	332.4	299.4	266.4	233.3	199.3
12.5°	524.3	472.0	437.9	412.7	389.7	365.9	335.9	302.6	269.2	236.1	202.2
10°	534.8	477.7	441.0	415.1	391.6	368.5	338.7	305.3	271.9	238.5	204.5
7.5°	542.8	481.9	443.1	416.9	393.0	370.4	341.3	307.7	274.0	240.4	206.4
5°	548.2	484.7	445.0	417.9	393.7	371.5	343.3	309.4	275.6	241.7	207.7
2.5°	551.0	485.9	446.3	418.2	393.9	371.9	344.4	310.5	276.5	242.5	208.5
0°	551.2	485.6	446.8	417.7	393.4	371.5	344.8	310.8	276.8	242.8	208.8
-2.5°	551.0	485.9	446.3	418.2	393.9	371.9	344.4	310.5	276.5	242.5	208.5
-5°	548.2	484.7	445.0	417.9	393.7	371.5	343.3	309.4	275.6	241.7	207.7
-7.5°	542.8	481.9	443.1	416.9	393.0	370.4	341.3	307.7	274.0	240.4	206.4
-10°	534.8	477.7	441.0	415.1	391.6	368.5	338.7	305.3	271.9	238.5	204.5
-12.5°	524.3	472.0	437.9	412.7	389.7	365.9	335.9	302.6	269.2	236.1	202.2
-15°	511.4	464.9	434.0	409.5	387.1	362.6	332.4	299.4	266.4	233.3	199.3
-17.5°	496.3	456.4	429.2	405.6	384.0	358.6	328.0	295.5	262.9	230.2	196.0
-20°	485.5	449.0	423.7	401.1	380.3	353.9	323.0	291.0	258.9	226.5	192.3

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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°	474.4	442.4	418.1	396.3	375.4	348.6	317.3	285.9	254.3	222.3	188.2
-25°	461.9	434.4	412.1	391.3	368.8	341.5	310.9	280.1	249.2	217.5	183.7
-27.5°	451.0	425.8	405.6	385.5	362.0	333.7	303.8	273.7	243.4	212.2	178.7
-30°	439.8	418.2	398.7	378.6	354.9	325.5	296.1	266.8	236.9	206.1	173.3
-32.5°	428.0	410.3	390.9	370.3	345.7	316.5	287.7	259.2	229.7	199.3	167.9
-35°	418.1	400.9	382.2	361.8	335.1	306.7	278.7	251.1	222.0	192.2	162.1
-37.5°	407.1	390.5	372.8	351.3	323.5	296.0	268.9	242.0	213.6	184.6	155.8
-40°	395.7	379.5	362.3	337.9	311.1	284.6	258.5	232.1	204.7	176.7	149.2
-42.5°	384.0	367.4	348.1	323.6	297.8	272.4	247.4	221.9	195.4	168.5	142.1
-45°	370.3	353.6	332.9	308.6	283.7	259.5	235.7	211.2	185.7	160.0	134.6
-47.5°	355.6	338.4	316.9	293.1	269.0	246.1	223.6	199.9	175.5	150.9	126.7
-50°	340.6	321.8	299.6	277.0	254.1	232.7	211.1	188.2	165.0	141.6	118.5
-52.5°	322.7	302.7	281.8	260.4	239.2	218.9	197.8	176.1	154.1	131.9	109.9
-55°	302.3	283.1	263.4	243.3	223.7	204.1	184.0	163.5	142.8	121.7	101.1
-57.5°	280.5	262.9	244.0	225.4	206.7	188.3	169.8	150.7	131.0	111.2	93.1
-60°	257.3	240.6	223.7	206.0	188.6	172.0	155.3	137.2	118.6	100.6	84.9
-62.5°	232.1	217.1	201.4	185.4	170.2	155.3	140.3	123.0	105.9	90.9	76.5
-65°	206.0	192.3	178.3	164.8	151.5	138.0	123.9	108.3	94.2	80.9	67.9
-67.5°	179.4	167.9	155.9	144.1	132.4	120.1	107.2	94.7	82.6	70.7	59.2
-70°	154.2	143.9	133.8	123.7	113.2	102.3	92.0	81.3	70.7	60.5	50.3
-72.5°	129.5	121.1	112.4	103.5	94.9	86.0	76.9	67.9	59.2	50.3	41.3
-75°	105.4	98.6	91.7	84.5	77.1	69.6	62.5	55.0	47.5	39.9	33.3
-77.5°	82.8	77.2	71.4	66.1	60.6	54.7	48.5	42.0	36.4	31.2	25.6
-80°	61.5	57.7	53.7	49.6	44.8	39.8	35.4	31.2	27.0	22.6	17.8
-82.5°	42.0	39.3	36.6	33.7	30.5	27.2	24.1	21.0	17.6	13.9	11.4
-85°	24.0	22.2	20.4	18.5	16.5	14.6	13.5	12.3	10.7	9.1	7.6
-87.5°	9.9	9.4	8.9	8.4	7.8	7.3	6.7	6.2	5.3	4.6	3.8
-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°	3.1	2.6	2.1	1.6	1.1	0.5	0.0
85°	6.3	5.2	4.2	3.2	2.1	1.1	0.0
82.5°	9.4	7.8	6.3	4.7	3.2	1.6	0.0
80°	12.9	10.4	8.4	6.3	4.2	2.1	0.0
77.5°	19.7	14.1	10.4	7.8	5.2	2.6	0.0
75°	26.5	19.7	12.9	9.4	6.3	3.1	0.0
72.5°	33.2	25.3	17.4	10.9	7.3	3.6	0.0
70°	39.9	30.8	21.8	12.7	8.3	4.1	0.0
67.5°	47.4	36.2	26.1	16.0	9.3	4.6	0.0
65°	54.9	41.9	30.4	19.2	10.2	5.1	0.0
62.5°	62.1	47.9	34.6	22.3	11.2	5.6	0.0
60°	69.1	53.7	38.7	25.4	12.1	6.0	0.0
57.5°	76.2	59.3	43.1	28.4	14.0	6.5	0.0
55°	83.1	64.8	47.5	31.3	16.0	6.9	0.0
52.5°	89.9	70.1	51.6	34.2	17.8	7.4	0.0
50°	96.5	75.7	55.7	36.9	19.6	7.8	0.0
47.5°	103.0	81.0	59.5	39.6	21.3	8.2	0.0
45°	109.7	86.2	63.2	42.4	22.9	8.6	0.0
42.5°	116.1	91.2	66.7	45.0	24.4	8.9	0.0
40°	122.2	95.9	70.3	47.4	25.9	9.3	0.0
37.5°	127.9	100.5	73.9	49.7	27.2	9.6	0.0
35°	133.3	104.9	77.4	51.8	28.5	9.9	0.0
32.5°	138.3	109.1	80.6	53.8	29.7	10.2	0.0
30°	142.9	113.0	83.6	55.6	30.8	10.5	0.0
27.5°	147.1	116.6	86.3	57.3	31.8	10.7	0.0
25°	151.0	119.9	88.8	58.9	32.7	11.0	0.0
22.5°	154.5	122.8	91.0	60.3	33.5	11.2	0.0
20°	157.5	125.3	93.0	61.5	34.2	11.4	0.0
17.5°	160.3	127.4	94.7	62.6	34.8	11.5	0.0
15°	162.8	129.3	96.2	63.5	35.3	11.7	0.0
12.5°	164.9	130.8	97.4	64.3	35.8	11.8	0.0
10°	166.7	132.0	98.4	64.9	36.1	11.9	0.0
7.5°	168.1	132.9	99.1	65.3	36.3	12.0	0.0
5°	169.2	133.5	99.5	65.6	36.4	12.1	0.0
2.5°	169.8	133.7	99.7	65.7	36.5	12.1	0.0
0°	170.0	133.6	99.6	65.6	36.4	12.1	0.0
-2.5°	169.8	133.7	99.7	65.7	36.5	12.1	0.0
-5°	169.2	133.5	99.5	65.6	36.4	12.1	0.0
-7.5°	168.1	132.9	99.1	65.3	36.3	12.0	0.0
-10°	166.7	132.0	98.4	64.9	36.1	11.9	0.0
-12.5°	164.9	130.8	97.4	64.3	35.8	11.8	0.0
-15°	162.8	129.3	96.2	63.5	35.3	11.7	0.0
-17.5°	160.3	127.4	94.7	62.6	34.8	11.5	0.0
-20°	157.5	125.3	93.0	61.5	34.2	11.4	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	154.5	122.8	91.0	60.3	33.5	11.2	0.0
-25°	151.0	119.9	88.8	58.9	32.7	11.0	0.0
-27.5°	147.1	116.6	86.3	57.3	31.8	10.7	0.0
-30°	142.9	113.0	83.6	55.6	30.8	10.5	0.0
-32.5°	138.3	109.1	80.6	53.8	29.7	10.2	0.0
-35°	133.3	104.9	77.4	51.8	28.5	9.9	0.0
-37.5°	127.9	100.5	73.9	49.7	27.2	9.6	0.0
-40°	122.2	95.9	70.3	47.4	25.9	9.3	0.0
-42.5°	116.1	91.2	66.7	45.0	24.4	8.9	0.0
-45°	109.7	86.2	63.2	42.4	22.9	8.6	0.0
-47.5°	103.0	81.0	59.5	39.6	21.3	8.2	0.0
-50°	96.5	75.7	55.7	36.9	19.6	7.8	0.0
-52.5°	89.9	70.1	51.6	34.2	17.8	7.4	0.0
-55°	83.1	64.8	47.5	31.3	16.0	6.9	0.0
-57.5°	76.2	59.3	43.1	28.4	14.0	6.5	0.0
-60°	69.1	53.7	38.7	25.4	12.1	6.0	0.0
-62.5°	62.1	47.9	34.6	22.3	11.2	5.6	0.0
-65°	54.9	41.9	30.4	19.2	10.2	5.1	0.0
-67.5°	47.4	36.2	26.1	16.0	9.3	4.6	0.0
-70°	39.9	30.8	21.8	12.7	8.3	4.1	0.0
-72.5°	33.2	25.3	17.4	10.9	7.3	3.6	0.0
-75°	26.5	19.7	12.9	9.4	6.3	3.1	0.0
-77.5°	19.7	14.1	10.4	7.8	5.2	2.6	0.0
-80°	12.9	10.4	8.4	6.3	4.2	2.1	0.0
-82.5°	9.4	7.8	6.3	4.7	3.2	1.6	0.0
-85°	6.3	5.2	4.2	3.2	2.1	1.1	0.0
-87.5°	3.1	2.6	2.1	1.6	1.1	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)