

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: P627315 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4B-727-U-MR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P627315 (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-SA4B-727-U-MR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM SYMMETRICAL ROUND N86  
Light Source: (64) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17118.4 lumens  
Efficiency: N/A  
Efficacy: 132.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 4H x 4V  
Max Intensity: 54790.4 candela  
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 28.8°H x 29°V  
Beam Lumens: 8322.7 lumens  
Beam Efficiency: 48.6%

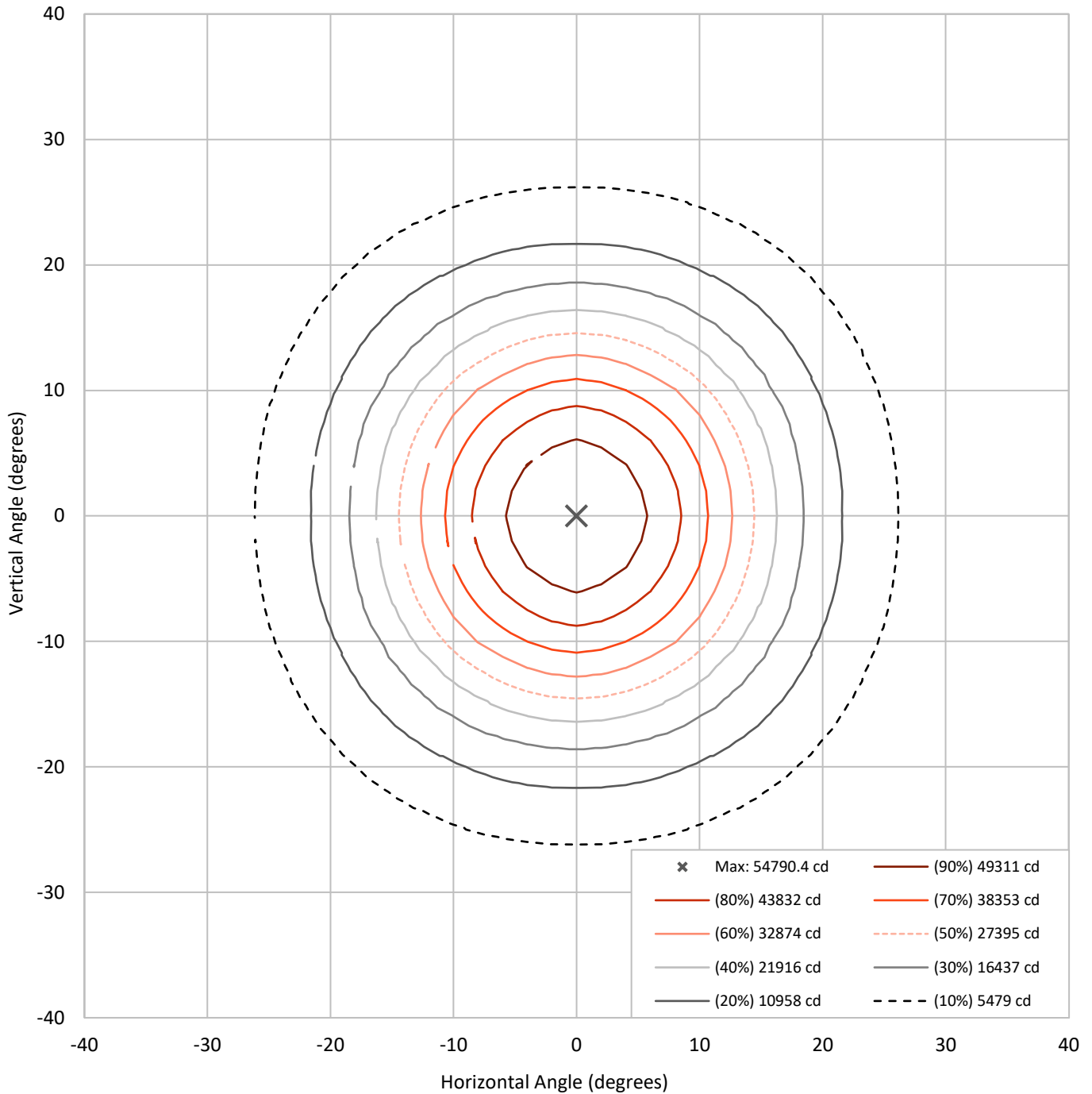
Field Angle (10%): 52.3°H x 52.3°V  
Field Lumens: 14045.4 lumens  
Field Efficiency: 82.0%

Input Watts (W): 129.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P627315 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Iso-Candela Plot





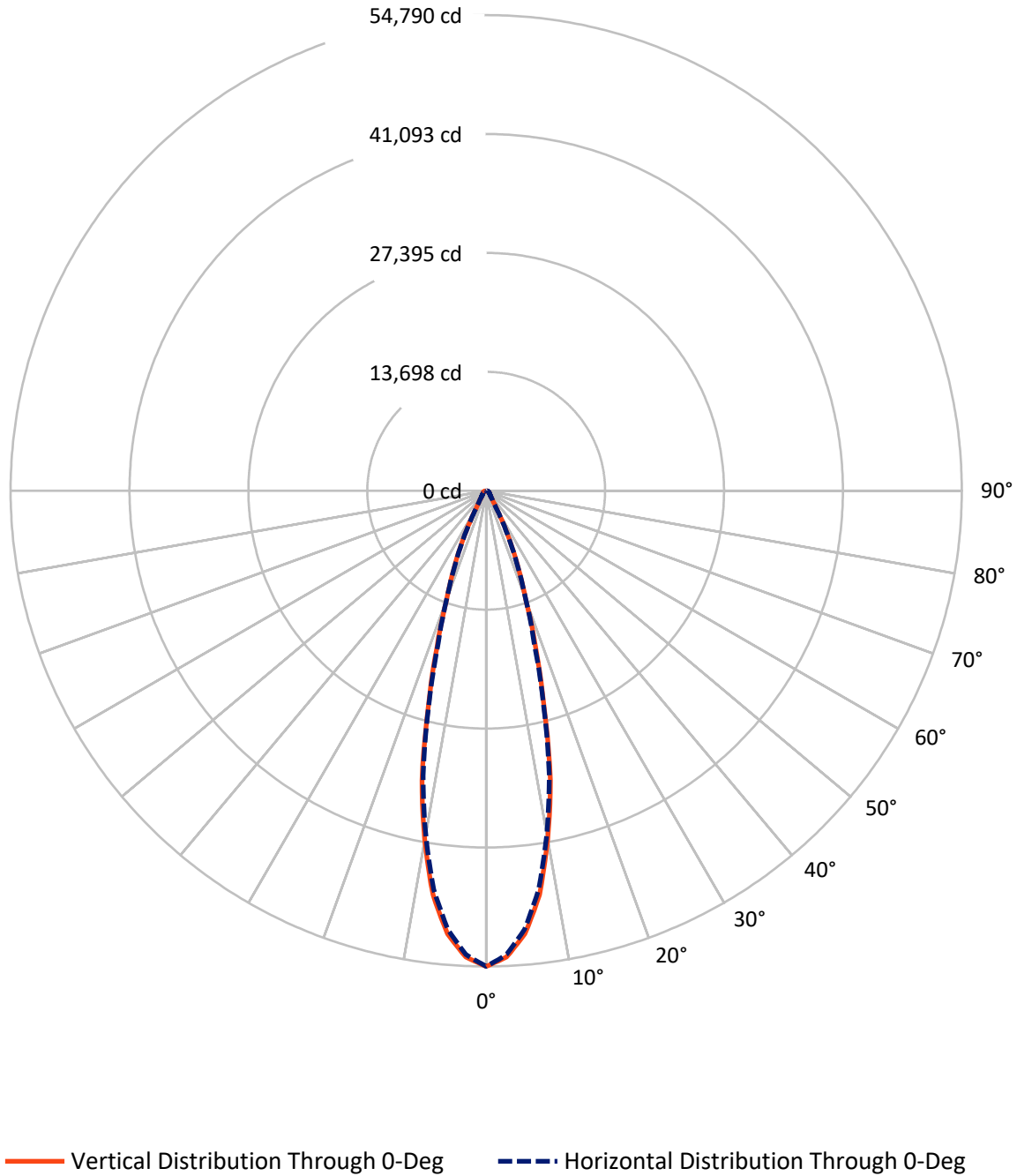
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### Lumen Table

90																			
80	0.3	2.8		7.4		11.7		13.0		11.7		7.4		2.8		0.3			
70																			
60	1.3	1.5	3.0	4.8	6.8	8.3	9.2	9.7	9.7	9.2	8.3	6.8	4.8	3.0	1.5	1.3			
50		2.2	4.4	7.1	9.6	11.8	13.2	13.7	13.7	13.2	11.8	9.6	7.1	4.4	2.2				
40	2.3	2.8	5.7	8.8	11.7	14.8	17.4	18.7	18.7	17.4	14.8	11.7	8.8	5.7	2.8	2.3			
30		3.3	6.7	10.2	14.4	20.5	29.7	38.5	38.5	29.7	20.5	14.4	10.2	6.7	3.3				
20	2.9	3.7	7.3	11.5	18.4	40.0	112.7	199.8	199.8	112.7	40.0	18.4	11.5	7.3	3.7	2.9			
10		4.0	7.6	12.5	25.1	105.1	374.5	717.6	717.6	374.5	105.1	25.1	12.5	7.6	4.0				
0	3.1	4.1	7.8	13.1	31.9	181.4	693.1	1363.3	1363.3	693.1	181.4	31.9	13.1	7.8	4.1	3.1			
-10		4.1	7.8	13.1	31.9	181.4	693.1	1363.3	1363.3	693.1	181.4	31.9	13.1	7.8	4.1				
-20	2.9	4.0	7.6	12.5	25.1	105.1	374.5	717.6	717.6	374.5	105.1	25.1	12.5	7.6	4.0	2.9			
-30		3.7	7.3	11.5	18.4	40.0	112.7	199.8	199.8	112.7	40.0	18.4	11.5	7.3	3.7				
-40	2.3	3.3	6.7	10.2	14.4	20.5	29.7	38.5	38.5	29.7	20.5	14.4	10.2	6.7	3.3	2.3			
-50		2.8	5.7	8.8	11.7	14.8	17.4	18.7	18.7	17.4	14.8	11.7	8.8	5.7	2.8				
-60	1.3	2.2	4.4	7.1	9.6	11.8	13.2	13.7	13.7	13.2	11.8	9.6	7.1	4.4	2.2	1.3			
-70		1.5	3.0	4.8	6.8	8.3	9.2	9.7	9.7	9.2	8.3	6.8	4.8	3.0	1.5				
-80	0.3	2.8		7.4		11.7		13.0		11.7		7.4		2.8		0.3			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

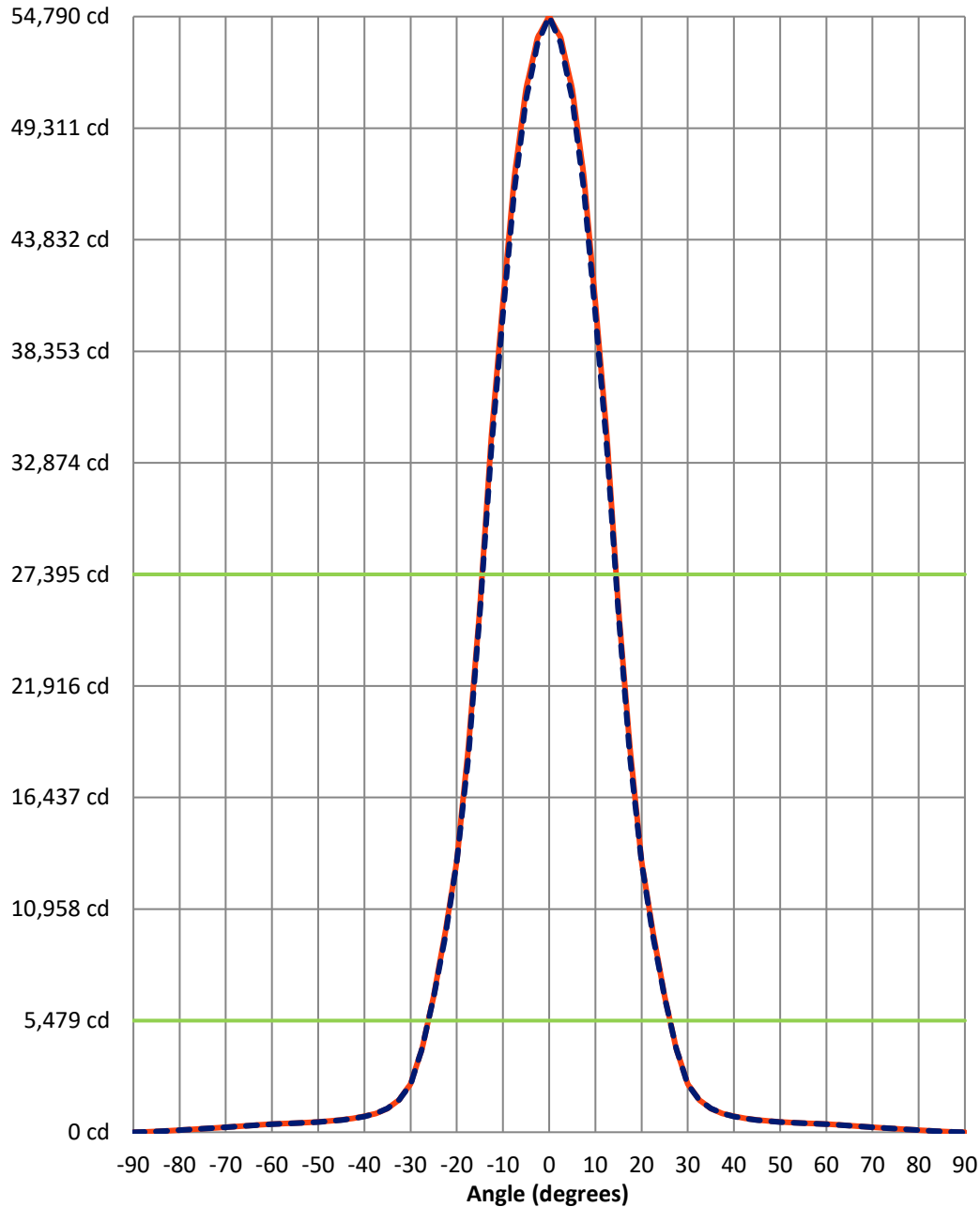
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 28.8°  
 V Angle: 29°  
 Lumens: 8322.7  
 Efficiency: 48.6%

**Field:**  
 H Angle: 52.3°  
 V Angle: 52.3°  
 Lumens: 14045.4  
 Efficiency: 82.0%

**Spill:**  
 Lumens: 3073  
 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	0.6	1.2	1.8	2.4	3.1	3.6	4.2	4.8	5.4	6.0
85°	0.0	1.2	2.5	3.7	4.9	6.1	7.3	8.5	9.6	10.8	11.9
82.5°	0.0	1.8	3.7	5.5	7.3	9.1	10.9	12.7	14.7	18.0	21.5
80°	0.0	2.4	4.9	7.3	9.7	12.1	14.8	19.1	23.6	28.3	33.2
77.5°	0.0	3.1	6.1	9.1	12.1	15.9	21.1	26.6	32.4	38.5	45.2
75°	0.0	3.6	7.3	10.9	14.8	21.1	27.3	34.0	41.2	49.7	58.2
72.5°	0.0	4.2	8.5	12.7	19.0	26.2	33.4	41.7	51.6	61.4	71.0
70°	0.0	4.8	9.6	14.7	23.0	31.3	39.7	50.6	61.8	72.8	84.8
67.5°	0.0	5.4	10.8	17.7	27.0	36.3	47.3	59.5	71.9	85.4	98.7
65°	0.0	6.0	11.9	20.6	30.9	41.8	54.9	68.1	82.9	97.7	112.7
62.5°	0.0	6.5	13.0	23.5	34.8	48.0	62.3	77.3	93.7	109.9	127.1
60°	0.0	7.0	14.1	26.3	38.5	54.0	69.5	86.6	104.2	122.4	141.1
57.5°	0.0	7.6	15.9	29.1	43.2	59.9	77.1	95.6	114.7	134.4	154.9
55°	0.0	8.1	17.7	31.7	47.8	65.6	84.5	104.4	124.8	146.1	168.5
52.5°	0.0	8.6	19.4	34.3	52.2	71.3	91.7	112.9	134.6	158.0	181.7
50°	0.0	9.1	21.1	36.9	56.5	76.9	98.5	121.1	144.2	169.5	193.9
47.5°	0.0	9.5	22.7	39.4	60.7	82.4	105.2	129.1	154.0	180.5	205.4
45°	0.0	10.0	24.3	42.4	64.7	87.5	111.7	136.7	163.5	190.3	216.3
42.5°	0.0	10.4	25.8	45.3	68.5	92.5	117.9	144.3	172.5	199.5	226.4
40°	0.0	10.8	27.2	48.0	72.2	97.1	123.9	151.7	180.8	208.1	235.9
37.5°	0.0	11.2	28.5	50.5	75.7	101.5	129.5	158.6	188.1	216.4	244.8
35°	0.0	11.5	29.8	52.9	79.0	105.8	134.9	165.1	195.0	224.2	253.3
32.5°	0.0	11.9	31.0	55.0	82.0	109.9	139.9	171.0	201.4	231.5	261.5
30°	0.0	12.2	32.1	57.0	84.9	113.8	144.6	176.4	207.4	238.3	269.1
27.5°	0.0	12.5	33.1	58.8	87.4	117.3	149.0	181.2	212.9	244.6	276.1
25°	0.0	12.8	34.1	60.5	89.8	120.6	152.9	185.6	218.0	250.3	282.5
22.5°	0.0	13.0	34.9	61.9	92.0	123.5	156.4	189.5	222.5	255.4	288.9
20°	0.0	13.2	35.7	63.2	94.0	126.1	159.5	193.0	226.5	260.0	294.6
17.5°	0.0	13.4	36.4	64.2	95.8	128.3	162.3	196.0	230.0	263.9	299.6
15°	0.0	13.6	37.0	65.1	97.4	130.1	164.8	198.8	233.0	267.3	303.8
12.5°	0.0	13.8	37.5	65.9	98.8	131.5	167.0	201.5	235.8	270.0	307.3
10°	0.0	13.9	38.0	66.4	99.9	132.6	168.9	203.6	238.2	273.3	310.5
7.5°	0.0	14.0	38.3	66.7	100.8	133.4	170.3	205.3	240.2	276.2	314.0
5°	0.0	14.0	38.5	66.9	101.5	133.8	171.4	206.5	241.6	278.6	316.8
2.5°	0.0	14.1	38.7	66.9	101.9	133.8	172.1	207.3	242.4	280.3	318.8
0°	0.0	14.1	38.7	66.8	102.0	133.6	172.3	207.5	242.7	281.4	320.0
-2.5°	0.0	14.1	38.7	66.9	101.9	133.8	172.1	207.3	242.4	280.3	318.8
-5°	0.0	14.0	38.5	66.9	101.5	133.8	171.4	206.5	241.6	278.6	316.8
-7.5°	0.0	14.0	38.3	66.7	100.8	133.4	170.3	205.3	240.2	276.2	314.0
-10°	0.0	13.9	38.0	66.4	99.9	132.6	168.9	203.6	238.2	273.3	310.5
-12.5°	0.0	13.8	37.5	65.9	98.8	131.5	167.0	201.5	235.8	270.0	307.3
-15°	0.0	13.6	37.0	65.1	97.4	130.1	164.8	198.8	233.0	267.3	303.8
-17.5°	0.0	13.4	36.4	64.2	95.8	128.3	162.3	196.0	230.0	263.9	299.6
-20°	0.0	13.2	35.7	63.2	94.0	126.1	159.5	193.0	226.5	260.0	294.6

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REPORT NUMBER: P627315 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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	13.0	34.9	61.9	92.0	123.5	156.4	189.5	222.5	255.4	288.9
-25°	0.0	12.8	34.1	60.5	89.8	120.6	152.9	185.6	218.0	250.3	282.5
-27.5°	0.0	12.5	33.1	58.8	87.4	117.3	149.0	181.2	212.9	244.6	276.1
-30°	0.0	12.2	32.1	57.0	84.9	113.8	144.6	176.4	207.4	238.3	269.1
-32.5°	0.0	11.9	31.0	55.0	82.0	109.9	139.9	171.0	201.4	231.5	261.5
-35°	0.0	11.5	29.8	52.9	79.0	105.8	134.9	165.1	195.0	224.2	253.3
-37.5°	0.0	11.2	28.5	50.5	75.7	101.5	129.5	158.6	188.1	216.4	244.8
-40°	0.0	10.8	27.2	48.0	72.2	97.1	123.9	151.7	180.8	208.1	235.9
-42.5°	0.0	10.4	25.8	45.3	68.5	92.5	117.9	144.3	172.5	199.5	226.4
-45°	0.0	10.0	24.3	42.4	64.7	87.5	111.7	136.7	163.5	190.3	216.3
-47.5°	0.0	9.5	22.7	39.4	60.7	82.4	105.2	129.1	154.0	180.5	205.4
-50°	0.0	9.1	21.1	36.9	56.5	76.9	98.5	121.1	144.2	169.5	193.9
-52.5°	0.0	8.6	19.4	34.3	52.2	71.3	91.7	112.9	134.6	158.0	181.7
-55°	0.0	8.1	17.7	31.7	47.8	65.6	84.5	104.4	124.8	146.1	168.5
-57.5°	0.0	7.6	15.9	29.1	43.2	59.9	77.1	95.6	114.7	134.4	154.9
-60°	0.0	7.0	14.1	26.3	38.5	54.0	69.5	86.6	104.2	122.4	141.1
-62.5°	0.0	6.5	13.0	23.5	34.8	48.0	62.3	77.3	93.7	109.9	127.1
-65°	0.0	6.0	11.9	20.6	30.9	41.8	54.9	68.1	82.9	97.7	112.7
-67.5°	0.0	5.4	10.8	17.7	27.0	36.3	47.3	59.5	71.9	85.4	98.7
-70°	0.0	4.8	9.6	14.7	23.0	31.3	39.7	50.6	61.8	72.8	84.8
-72.5°	0.0	4.2	8.5	12.7	19.0	26.2	33.4	41.7	51.6	61.4	71.0
-75°	0.0	3.6	7.3	10.9	14.8	21.1	27.3	34.0	41.2	49.7	58.2
-77.5°	0.0	3.1	6.1	9.1	12.1	15.9	21.1	26.6	32.4	38.5	45.2
-80°	0.0	2.4	4.9	7.3	9.7	12.1	14.8	19.1	23.6	28.3	33.2
-82.5°	0.0	1.8	3.7	5.5	7.3	9.1	10.9	12.7	14.7	18.0	21.5
-85°	0.0	1.2	2.5	3.7	4.9	6.1	7.3	8.5	9.6	10.8	11.9
-87.5°	0.0	0.6	1.2	1.8	2.4	3.1	3.6	4.2	4.8	5.4	6.0
-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°	6.5	7.0	7.6	8.1	8.6	9.1	9.5	10.0	10.4	10.8	11.2
85°	13.0	14.1	16.2	18.2	20.2	22.1	23.9	25.7	27.4	29.0	30.6
82.5°	24.8	28.1	31.2	34.3	37.2	40.1	42.9	45.5	48.1	50.5	52.8
80°	37.7	42.0	46.3	50.3	54.2	58.0	61.7	65.3	68.7	72.3	76.2
77.5°	51.3	56.8	61.8	66.4	71.3	77.3	83.1	88.7	94.0	99.1	103.9
75°	65.4	71.6	78.5	85.2	92.3	99.5	106.5	113.3	119.8	126.5	133.2
72.5°	80.2	88.6	96.9	105.0	113.9	122.6	130.7	138.0	146.3	155.4	163.7
70°	95.8	105.6	116.1	126.4	136.5	146.2	156.2	166.2	176.3	186.1	195.5
67.5°	111.5	123.9	136.0	147.7	159.2	170.8	182.6	194.7	206.3	217.4	228.3
65°	128.3	142.1	155.6	168.8	181.5	195.8	209.7	223.2	237.9	251.6	263.5
62.5°	144.6	160.1	175.0	189.9	205.4	221.1	237.3	254.2	271.8	284.4	295.3
60°	160.3	177.8	194.4	211.5	228.7	246.5	265.1	283.1	299.2	313.0	324.5
57.5°	175.7	195.2	213.6	232.1	251.0	271.2	291.7	310.1	325.1	338.4	351.0
55°	190.5	212.1	231.8	251.5	272.9	296.6	317.6	334.2	349.5	360.5	372.5
52.5°	204.6	227.8	248.3	270.4	294.9	319.5	340.4	356.5	369.4	380.8	392.5
50°	218.1	241.5	264.2	289.3	315.2	339.9	361.0	375.9	388.8	400.6	411.9
47.5°	230.4	254.6	280.3	307.1	334.2	358.6	378.8	394.0	407.4	419.6	432.0
45°	241.9	268.0	295.2	324.6	352.4	376.6	395.0	411.3	424.1	437.9	453.4
42.5°	253.0	280.8	310.4	341.7	370.1	392.2	410.1	425.7	440.5	457.0	474.3
40°	263.8	292.7	324.9	357.7	386.6	405.8	423.7	440.2	457.3	476.0	495.0
37.5°	273.9	305.0	338.3	372.7	398.9	418.7	437.2	455.7	474.8	495.0	518.5
35°	283.2	316.3	351.3	384.4	409.6	431.2	451.1	471.1	492.5	517.2	543.1
32.5°	292.3	326.6	363.3	394.4	419.4	442.5	464.4	487.0	511.6	538.7	568.3
30°	301.2	336.7	373.8	404.5	428.1	451.8	477.4	502.6	529.9	560.0	594.8
27.5°	309.8	346.0	382.5	412.5	435.7	459.9	487.3	518.0	547.8	580.8	621.1
25°	317.7	355.5	391.2	418.8	442.3	467.6	496.3	528.9	564.0	603.2	652.6
22.5°	325.2	364.2	399.4	424.2	447.8	474.3	505.2	539.7	577.9	623.2	683.6
20°	332.2	370.9	404.9	429.1	452.3	479.7	512.9	549.2	592.8	647.8	720.0
17.5°	338.3	376.6	408.7	433.1	457.1	485.2	519.5	557.3	606.3	669.5	755.0
15°	343.5	381.3	411.9	436.2	461.1	491.0	526.2	567.4	621.0	690.8	785.1
12.5°	347.8	384.9	414.7	438.5	464.3	495.2	532.0	577.2	635.8	714.0	825.8
10°	351.2	387.6	416.8	439.9	466.5	498.0	536.5	584.8	647.8	733.3	860.7
7.5°	354.5	389.9	418.3	440.4	467.8	499.4	539.6	590.2	656.5	747.9	888.5
5°	356.9	392.1	419.2	441.7	468.6	500.0	541.7	593.3	662.0	757.5	908.2
2.5°	358.3	393.5	419.3	442.7	468.7	500.3	544.2	595.0	668.0	765.6	919.3
0°	358.7	393.9	418.5	443.1	467.8	499.4	545.1	594.4	671.7	770.2	921.4
-2.5°	358.3	393.5	419.3	442.7	468.7	500.3	544.2	595.0	668.0	765.6	919.3
-5°	356.9	392.1	419.2	441.7	468.6	500.0	541.7	593.3	662.0	757.5	908.2
-7.5°	354.5	389.9	418.3	440.4	467.8	499.4	539.6	590.2	656.5	747.9	888.5
-10°	351.2	387.6	416.8	439.9	466.5	498.0	536.5	584.8	647.8	733.3	860.7
-12.5°	347.8	384.9	414.7	438.5	464.3	495.2	532.0	577.2	635.8	714.0	825.8
-15°	343.5	381.3	411.9	436.2	461.1	491.0	526.2	567.4	621.0	690.8	785.1
-17.5°	338.3	376.6	408.7	433.1	457.1	485.2	519.5	557.3	606.3	669.5	755.0
-20°	332.2	370.9	404.9	429.1	452.3	479.7	512.9	549.2	592.8	647.8	720.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627315 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4B-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°	325.2	364.2	399.4	424.2	447.8	474.3	505.2	539.7	577.9	623.2	683.6
-25°	317.7	355.5	391.2	418.8	442.3	467.6	496.3	528.9	564.0	603.2	652.6
-27.5°	309.8	346.0	382.5	412.5	435.7	459.9	487.3	518.0	547.8	580.8	621.1
-30°	301.2	336.7	373.8	404.5	428.1	451.8	477.4	502.6	529.9	560.0	594.8
-32.5°	292.3	326.6	363.3	394.4	419.4	442.5	464.4	487.0	511.6	538.7	568.3
-35°	283.2	316.3	351.3	384.4	409.6	431.2	451.1	471.1	492.5	517.2	543.1
-37.5°	273.9	305.0	338.3	372.7	398.9	418.7	437.2	455.7	474.8	495.0	518.5
-40°	263.8	292.7	324.9	357.7	386.6	405.8	423.7	440.2	457.3	476.0	495.0
-42.5°	253.0	280.8	310.4	341.7	370.1	392.2	410.1	425.7	440.5	457.0	474.3
-45°	241.9	268.0	295.2	324.6	352.4	376.6	395.0	411.3	424.1	437.9	453.4
-47.5°	230.4	254.6	280.3	307.1	334.2	358.6	378.8	394.0	407.4	419.6	432.0
-50°	218.1	241.5	264.2	289.3	315.2	339.9	361.0	375.9	388.8	400.6	411.9
-52.5°	204.6	227.8	248.3	270.4	294.9	319.5	340.4	356.5	369.4	380.8	392.5
-55°	190.5	212.1	231.8	251.5	272.9	296.6	317.6	334.2	349.5	360.5	372.5
-57.5°	175.7	195.2	213.6	232.1	251.0	271.2	291.7	310.1	325.1	338.4	351.0
-60°	160.3	177.8	194.4	211.5	228.7	246.5	265.1	283.1	299.2	313.0	324.5
-62.5°	144.6	160.1	175.0	189.9	205.4	221.1	237.3	254.2	271.8	284.4	295.3
-65°	128.3	142.1	155.6	168.8	181.5	195.8	209.7	223.2	237.9	251.6	263.5
-67.5°	111.5	123.9	136.0	147.7	159.2	170.8	182.6	194.7	206.3	217.4	228.3
-70°	95.8	105.6	116.1	126.4	136.5	146.2	156.2	166.2	176.3	186.1	195.5
-72.5°	80.2	88.6	96.9	105.0	113.9	122.6	130.7	138.0	146.3	155.4	163.7
-75°	65.4	71.6	78.5	85.2	92.3	99.5	106.5	113.3	119.8	126.5	133.2
-77.5°	51.3	56.8	61.8	66.4	71.3	77.3	83.1	88.7	94.0	99.1	103.9
-80°	37.7	42.0	46.3	50.3	54.2	58.0	61.7	65.3	68.7	72.3	76.2
-82.5°	24.8	28.1	31.2	34.3	37.2	40.1	42.9	45.5	48.1	50.5	52.8
-85°	13.0	14.1	16.2	18.2	20.2	22.1	23.9	25.7	27.4	29.0	30.6
-87.5°	6.5	7.0	7.6	8.1	8.6	9.1	9.5	10.0	10.4	10.8	11.2
-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: P627315 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-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°	11.5	11.9	12.2	12.5	12.8	13.0	13.2	13.4	13.6	13.8	13.9
85°	32.0	33.4	34.7	35.8	36.9	37.2	37.3	37.2	37.0	37.5	38.0
82.5°	55.0	57.5	60.0	62.5	64.9	65.8	66.4	66.8	67.1	68.0	68.9
80°	79.8	83.8	87.4	90.6	93.5	95.5	97.4	99.1	100.7	101.4	101.7
77.5°	108.8	113.5	117.9	122.0	125.8	128.8	131.3	133.2	134.7	135.7	136.3
75°	139.9	145.9	151.2	156.2	160.7	163.9	166.1	167.7	168.8	170.0	170.9
72.5°	171.3	178.1	184.5	190.4	195.6	199.3	201.9	203.9	205.5	206.7	207.3
70°	204.3	212.5	219.5	225.4	230.1	233.7	236.4	238.6	240.4	241.5	242.2
67.5°	238.5	247.2	253.8	259.0	263.2	266.9	270.4	272.9	274.6	276.3	278.2
65°	273.4	282.2	288.9	294.4	298.9	303.7	308.2	311.5	313.7	315.7	317.7
62.5°	306.1	316.2	323.9	331.2	338.5	345.4	349.4	352.5	354.8	356.7	359.0
60°	335.9	347.3	356.8	365.5	374.5	383.5	387.2	390.1	392.9	395.5	397.8
57.5°	362.4	374.4	385.9	394.6	403.2	411.6	417.4	420.6	422.7	423.9	424.9
55°	385.3	397.4	408.9	418.9	428.2	436.8	443.3	446.4	448.7	450.2	451.1
52.5°	405.9	418.9	431.2	442.3	452.3	461.6	469.7	474.0	477.5	479.9	480.7
50°	426.2	440.2	453.5	465.4	477.1	488.2	498.4	504.4	508.6	511.1	512.0
47.5°	447.3	462.5	476.9	490.7	503.9	517.2	529.3	537.4	543.4	547.8	551.0
45°	469.3	485.7	501.6	517.9	533.1	550.1	565.5	577.3	586.1	593.6	599.7
42.5°	491.5	509.8	528.2	549.1	569.9	589.2	607.6	623.2	637.5	651.5	662.4
40°	515.6	535.7	560.7	585.5	611.1	633.7	660.4	684.4	706.4	730.1	749.7
37.5°	541.9	567.7	597.3	627.0	660.4	692.9	730.2	767.0	798.9	840.5	873.9
35°	570.6	603.2	638.2	678.1	721.2	772.1	824.3	885.6	937.6	1003.7	1064.7
32.5°	602.5	640.9	686.3	741.2	799.3	880.9	957.5	1061.4	1150.3	1264.9	1390.1
30°	634.9	684.7	746.5	817.2	915.6	1031.4	1166.5	1342.2	1532.2	1728.9	1993.5
27.5°	673.5	738.0	815.1	924.5	1071.5	1231.9	1507.1	1804.2	2218.1	2545.7	3129.4
25°	715.0	794.8	908.7	1067.2	1270.4	1595.0	2059.4	2597.3	3425.5	4162.2	5008.9
22.5°	764.1	872.5	1023.3	1230.8	1585.2	2143.5	2868.6	3973.0	5200.8	6412.7	7520.3
20°	816.1	947.1	1158.0	1496.0	2043.6	2851.0	4144.5	5722.7	7352.7	9013.5	10413.0
17.5°	876.8	1054.7	1332.5	1781.4	2562.7	3945.0	5672.7	7679.5	9809.0	11928.2	13769.0
15°	929.0	1148.7	1522.9	2195.2	3360.4	5089.3	7212.8	9747.4	12425.3	15175.5	18156.3
12.5°	995.6	1262.1	1719.1	2537.4	4068.1	6315.4	8913.6	11856.3	15126.4	18778.0	23425.0
10°	1056.7	1381.0	1977.1	3085.6	4918.8	7460.6	10382.6	13721.2	17962.9	23450.4	29055.7
7.5°	1105.6	1475.3	2177.2	3513.3	5632.2	8438.9	11705.4	15708.2	21000.0	27534.4	33938.9
5°	1139.6	1540.7	2320.4	3836.6	6206.1	9186.6	12644.2	17173.0	23560.0	30877.4	37416.7
2.5°	1161.0	1576.5	2390.4	4028.5	6580.4	9636.6	13229.9	18103.9	25129.0	33005.4	39626.3
0°	1171.1	1582.6	2345.8	4121.9	6632.9	9604.8	13283.5	18414.7	25501.3	33583.3	40177.5
-2.5°	1161.0	1576.5	2390.4	4028.5	6580.4	9636.6	13229.9	18103.9	25129.0	33005.4	39626.3
-5°	1139.6	1540.7	2320.4	3836.6	6206.1	9186.6	12644.2	17173.0	23560.0	30877.4	37416.7
-7.5°	1105.6	1475.3	2177.2	3513.3	5632.2	8438.9	11705.4	15708.2	21000.0	27534.4	33938.9
-10°	1056.7	1381.0	1977.1	3085.6	4918.8	7460.6	10382.6	13721.2	17962.9	23450.4	29055.7
-12.5°	995.6	1262.1	1719.1	2537.4	4068.1	6315.4	8913.6	11856.3	15126.4	18778.0	23425.0
-15°	929.0	1148.7	1522.9	2195.2	3360.4	5089.3	7212.8	9747.4	12425.3	15175.5	18156.3
-17.5°	876.8	1054.7	1332.5	1781.4	2562.7	3945.0	5672.7	7679.5	9809.0	11928.2	13769.0
-20°	816.1	947.1	1158.0	1496.0	2043.6	2851.0	4144.5	5722.7	7352.7	9013.5	10413.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627315 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4B-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°	764.1	872.5	1023.3	1230.8	1585.2	2143.5	2868.6	3973.0	5200.8	6412.7	7520.3
-25°	715.0	794.8	908.7	1067.2	1270.4	1595.0	2059.4	2597.3	3425.5	4162.2	5008.9
-27.5°	673.5	738.0	815.1	924.5	1071.5	1231.9	1507.1	1804.2	2218.1	2545.7	3129.4
-30°	634.9	684.7	746.5	817.2	915.6	1031.4	1166.5	1342.2	1532.2	1728.9	1993.5
-32.5°	602.5	640.9	686.3	741.2	799.3	880.9	957.5	1061.4	1150.3	1264.9	1390.1
-35°	570.6	603.2	638.2	678.1	721.2	772.1	824.3	885.6	937.6	1003.7	1064.7
-37.5°	541.9	567.7	597.3	627.0	660.4	692.9	730.2	767.0	798.9	840.5	873.9
-40°	515.6	535.7	560.7	585.5	611.1	633.7	660.4	684.4	706.4	730.1	749.7
-42.5°	491.5	509.8	528.2	549.1	569.9	589.2	607.6	623.2	637.5	651.5	662.4
-45°	469.3	485.7	501.6	517.9	533.1	550.1	565.5	577.3	586.1	593.6	599.7
-47.5°	447.3	462.5	476.9	490.7	503.9	517.2	529.3	537.4	543.4	547.8	551.0
-50°	426.2	440.2	453.5	465.4	477.1	488.2	498.4	504.4	508.6	511.1	512.0
-52.5°	405.9	418.9	431.2	442.3	452.3	461.6	469.7	474.0	477.5	479.9	480.7
-55°	385.3	397.4	408.9	418.9	428.2	436.8	443.3	446.4	448.7	450.2	451.1
-57.5°	362.4	374.4	385.9	394.6	403.2	411.6	417.4	420.6	422.7	423.9	424.9
-60°	335.9	347.3	356.8	365.5	374.5	383.5	387.2	390.1	392.9	395.5	397.8
-62.5°	306.1	316.2	323.9	331.2	338.5	345.4	349.4	352.5	354.8	356.7	359.0
-65°	273.4	282.2	288.9	294.4	298.9	303.7	308.2	311.5	313.7	315.7	317.7
-67.5°	238.5	247.2	253.8	259.0	263.2	266.9	270.4	272.9	274.6	276.3	278.2
-70°	204.3	212.5	219.5	225.4	230.1	233.7	236.4	238.6	240.4	241.5	242.2
-72.5°	171.3	178.1	184.5	190.4	195.6	199.3	201.9	203.9	205.5	206.7	207.3
-75°	139.9	145.9	151.2	156.2	160.7	163.9	166.1	167.7	168.8	170.0	170.9
-77.5°	108.8	113.5	117.9	122.0	125.8	128.8	131.3	133.2	134.7	135.7	136.3
-80°	79.8	83.8	87.4	90.6	93.5	95.5	97.4	99.1	100.7	101.4	101.7
-82.5°	55.0	57.5	60.0	62.5	64.9	65.8	66.4	66.8	67.1	68.0	68.9
-85°	32.0	33.4	34.7	35.8	36.9	37.2	37.3	37.2	37.0	37.5	38.0
-87.5°	11.5	11.9	12.2	12.5	12.8	13.0	13.2	13.4	13.6	13.8	13.9
-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: P627315 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-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°	14.0	14.0	14.1	14.1	14.1	14.0	14.0	13.9	13.8	13.6	13.4
85°	38.3	38.5	38.7	38.7	38.7	38.5	38.3	38.0	37.5	37.0	37.2
82.5°	69.5	69.9	70.2	70.3	70.2	69.9	69.5	68.9	68.0	67.1	66.8
80°	101.8	101.5	101.9	102.0	101.9	101.5	101.8	101.7	101.4	100.7	99.1
77.5°	136.6	136.6	137.0	137.2	137.0	136.6	136.6	136.3	135.7	134.7	133.2
75°	171.4	171.5	172.1	172.3	172.1	171.5	171.4	170.9	170.0	168.8	167.7
72.5°	207.3	206.7	207.3	207.5	207.3	206.7	207.3	207.3	206.7	205.5	203.9
70°	242.3	241.8	244.0	246.2	244.0	241.8	242.3	242.2	241.5	240.4	238.6
67.5°	279.4	280.2	282.7	284.9	282.7	280.2	279.4	278.2	276.3	274.6	272.9
65°	318.7	318.8	321.2	323.6	321.2	318.8	318.7	317.7	315.7	313.7	311.5
62.5°	360.3	360.7	363.3	365.8	363.3	360.7	360.3	359.0	356.7	354.8	352.5
60°	399.1	399.5	400.4	400.9	400.4	399.5	399.1	397.8	395.5	392.9	390.1
57.5°	425.2	424.8	425.2	425.5	425.2	424.8	425.2	424.9	423.9	422.7	420.6
55°	451.0	449.8	448.5	446.7	448.5	449.8	451.0	451.1	450.2	448.7	446.4
52.5°	480.1	478.2	476.5	474.8	476.5	478.2	480.1	480.7	479.9	477.5	474.0
50°	511.5	509.8	508.2	506.4	508.2	509.8	511.5	512.0	511.1	508.6	504.4
47.5°	553.2	554.0	553.7	552.2	553.7	554.0	553.2	551.0	547.8	543.4	537.4
45°	604.0	606.0	606.2	604.9	606.2	606.0	604.0	599.7	593.6	586.1	577.3
42.5°	670.2	674.6	677.1	678.8	677.1	674.6	670.2	662.4	651.5	637.5	623.2
40°	764.0	773.1	778.9	784.3	778.9	773.1	764.0	749.7	730.1	706.4	684.4
37.5°	898.6	915.1	922.5	917.9	922.5	915.1	898.6	873.9	840.5	798.9	767.0
35°	1111.6	1142.9	1159.2	1160.6	1159.2	1142.9	1111.6	1064.7	1003.7	937.6	885.6
32.5°	1482.6	1546.8	1581.3	1586.1	1581.3	1546.8	1482.6	1390.1	1264.9	1150.3	1061.4
30°	2196.2	2327.1	2388.6	2373.9	2388.6	2327.1	2196.2	1993.5	1728.9	1532.2	1342.2
27.5°	3583.1	3909.5	4102.9	4118.3	4102.9	3909.5	3583.1	3129.4	2545.7	2218.1	1804.2
25°	5758.8	6316.0	6672.9	6678.7	6672.9	6316.0	5758.8	5008.9	4162.2	3425.5	2597.3
22.5°	8544.4	9305.1	9721.9	9794.7	9721.9	9305.1	8544.4	7520.3	6412.7	5200.8	3973.0
20°	11771.7	12783.6	13325.1	13325.7	13325.1	12783.6	11771.7	10413.0	9013.5	7352.7	5722.7
17.5°	15746.2	17389.4	18420.9	18864.9	18420.9	17389.4	15746.2	13769.0	11928.2	9809.0	7679.5
15°	21026.5	23787.7	25442.3	25740.5	25442.3	23787.7	21026.5	18156.3	15175.5	12425.3	9747.4
12.5°	27455.8	30950.2	33299.1	34160.0	33299.1	30950.2	27455.8	23425.0	18778.0	15126.4	11856.3
10°	34168.5	37406.3	39922.7	40768.4	39922.7	37406.3	34168.5	29055.7	23450.4	17962.9	13721.2
7.5°	39018.0	42878.8	45713.4	46958.2	45713.4	42878.8	39018.0	33938.9	27534.4	21000.0	15708.2
5°	42846.1	47414.5	50053.1	51224.2	50053.1	47414.5	42846.1	37416.7	30877.4	23560.0	17173.0
2.5°	45357.8	49871.8	52666.0	53745.9	52666.0	49871.8	45357.8	39626.3	33005.4	25129.0	18103.9
0°	46297.0	50710.8	53471.6	54790.4	53471.6	50710.8	46297.0	40177.5	33583.3	25501.3	18414.7
-2.5°	45357.8	49871.8	52666.0	53745.9	52666.0	49871.8	45357.8	39626.3	33005.4	25129.0	18103.9
-5°	42846.1	47414.5	50053.1	51224.2	50053.1	47414.5	42846.1	37416.7	30877.4	23560.0	17173.0
-7.5°	39018.0	42878.8	45713.4	46958.2	45713.4	42878.8	39018.0	33938.9	27534.4	21000.0	15708.2
-10°	34168.5	37406.3	39922.7	40768.4	39922.7	37406.3	34168.5	29055.7	23450.4	17962.9	13721.2
-12.5°	27455.8	30950.2	33299.1	34160.0	33299.1	30950.2	27455.8	23425.0	18778.0	15126.4	11856.3
-15°	21026.5	23787.7	25442.3	25740.5	25442.3	23787.7	21026.5	18156.3	15175.5	12425.3	9747.4
-17.5°	15746.2	17389.4	18420.9	18864.9	18420.9	17389.4	15746.2	13769.0	11928.2	9809.0	7679.5
-20°	11771.7	12783.6	13325.1	13325.7	13325.1	12783.6	11771.7	10413.0	9013.5	7352.7	5722.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627315 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4B-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°	8544.4	9305.1	9721.9	9794.7	9721.9	9305.1	8544.4	7520.3	6412.7	5200.8	3973.0
-25°	5758.8	6316.0	6672.9	6678.7	6672.9	6316.0	5758.8	5008.9	4162.2	3425.5	2597.3
-27.5°	3583.1	3909.5	4102.9	4118.3	4102.9	3909.5	3583.1	3129.4	2545.7	2218.1	1804.2
-30°	2196.2	2327.1	2388.6	2373.9	2388.6	2327.1	2196.2	1993.5	1728.9	1532.2	1342.2
-32.5°	1482.6	1546.8	1581.3	1586.1	1581.3	1546.8	1482.6	1390.1	1264.9	1150.3	1061.4
-35°	1111.6	1142.9	1159.2	1160.6	1159.2	1142.9	1111.6	1064.7	1003.7	937.6	885.6
-37.5°	898.6	915.1	922.5	917.9	922.5	915.1	898.6	873.9	840.5	798.9	767.0
-40°	764.0	773.1	778.9	784.3	778.9	773.1	764.0	749.7	730.1	706.4	684.4
-42.5°	670.2	674.6	677.1	678.8	677.1	674.6	670.2	662.4	651.5	637.5	623.2
-45°	604.0	606.0	606.2	604.9	606.2	606.0	604.0	599.7	593.6	586.1	577.3
-47.5°	553.2	554.0	553.7	552.2	553.7	554.0	553.2	551.0	547.8	543.4	537.4
-50°	511.5	509.8	508.2	506.4	508.2	509.8	511.5	512.0	511.1	508.6	504.4
-52.5°	480.1	478.2	476.5	474.8	476.5	478.2	480.1	480.7	479.9	477.5	474.0
-55°	451.0	449.8	448.5	446.7	448.5	449.8	451.0	451.1	450.2	448.7	446.4
-57.5°	425.2	424.8	425.2	425.5	425.2	424.8	425.2	424.9	423.9	422.7	420.6
-60°	399.1	399.5	400.4	400.9	400.4	399.5	399.1	397.8	395.5	392.9	390.1
-62.5°	360.3	360.7	363.3	365.8	363.3	360.7	360.3	359.0	356.7	354.8	352.5
-65°	318.7	318.8	321.2	323.6	321.2	318.8	318.7	317.7	315.7	313.7	311.5
-67.5°	279.4	280.2	282.7	284.9	282.7	280.2	279.4	278.2	276.3	274.6	272.9
-70°	242.3	241.8	244.0	246.2	244.0	241.8	242.3	242.2	241.5	240.4	238.6
-72.5°	207.3	206.7	207.3	207.5	207.3	206.7	207.3	207.3	206.7	205.5	203.9
-75°	171.4	171.5	172.1	172.3	172.1	171.5	171.4	170.9	170.0	168.8	167.7
-77.5°	136.6	136.6	137.0	137.2	137.0	136.6	136.6	136.3	135.7	134.7	133.2
-80°	101.8	101.5	101.9	102.0	101.9	101.5	101.8	101.7	101.4	100.7	99.1
-82.5°	69.5	69.9	70.2	70.3	70.2	69.9	69.5	68.9	68.0	67.1	66.8
-85°	38.3	38.5	38.7	38.7	38.7	38.5	38.3	38.0	37.5	37.0	37.2
-87.5°	14.0	14.0	14.1	14.1	14.1	14.0	14.0	13.9	13.8	13.6	13.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P627315 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-727-U-MR-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°	13.2	13.0	12.8	12.5	12.2	11.9	11.5	11.2	10.8	10.4	10.0
85°	37.3	37.2	36.9	35.8	34.7	33.4	32.0	30.6	29.0	27.4	25.7
82.5°	66.4	65.8	64.9	62.5	60.0	57.5	55.0	52.8	50.5	48.1	45.5
80°	97.4	95.5	93.5	90.6	87.4	83.8	79.8	76.2	72.3	68.7	65.3
77.5°	131.3	128.8	125.8	122.0	117.9	113.5	108.8	103.9	99.1	94.0	88.7
75°	166.1	163.9	160.7	156.2	151.2	145.9	139.9	133.2	126.5	119.8	113.3
72.5°	201.9	199.3	195.6	190.4	184.5	178.1	171.3	163.7	155.4	146.3	138.0
70°	236.4	233.7	230.1	225.4	219.5	212.5	204.3	195.5	186.1	176.3	166.2
67.5°	270.4	266.9	263.2	259.0	253.8	247.2	238.5	228.3	217.4	206.3	194.7
65°	308.2	303.7	298.9	294.4	288.9	282.2	273.4	263.5	251.6	237.9	223.2
62.5°	349.4	345.4	338.5	331.2	323.9	316.2	306.1	295.3	284.4	271.8	254.2
60°	387.2	383.5	374.5	365.5	356.8	347.3	335.9	324.5	313.0	299.2	283.1
57.5°	417.4	411.6	403.2	394.6	385.9	374.4	362.4	351.0	338.4	325.1	310.1
55°	443.3	436.8	428.2	418.9	408.9	397.4	385.3	372.5	360.5	349.5	334.2
52.5°	469.7	461.6	452.3	442.3	431.2	418.9	405.9	392.5	380.8	369.4	356.5
50°	498.4	488.2	477.1	465.4	453.5	440.2	426.2	411.9	400.6	388.8	375.9
47.5°	529.3	517.2	503.9	490.7	476.9	462.5	447.3	432.0	419.6	407.4	394.0
45°	565.5	550.1	533.1	517.9	501.6	485.7	469.3	453.4	437.9	424.1	411.3
42.5°	607.6	589.2	569.9	549.1	528.2	509.8	491.5	474.3	457.0	440.5	425.7
40°	660.4	633.7	611.1	585.5	560.7	535.7	515.6	495.0	476.0	457.3	440.2
37.5°	730.2	692.9	660.4	627.0	597.3	567.7	541.9	518.5	495.0	474.8	455.7
35°	824.3	772.1	721.2	678.1	638.2	603.2	570.6	543.1	517.2	492.5	471.1
32.5°	957.5	880.9	799.3	741.2	686.3	640.9	602.5	568.3	538.7	511.6	487.0
30°	1166.5	1031.4	915.6	817.2	746.5	684.7	634.9	594.8	560.0	529.9	502.6
27.5°	1507.1	1231.9	1071.5	924.5	815.1	738.0	673.5	621.1	580.8	547.8	518.0
25°	2059.4	1595.0	1270.4	1067.2	908.7	794.8	715.0	652.6	603.2	564.0	528.9
22.5°	2868.6	2143.5	1585.2	1230.8	1023.3	872.5	764.1	683.6	623.2	577.9	539.7
20°	4144.5	2851.0	2043.6	1496.0	1158.0	947.1	816.1	720.0	647.8	592.8	549.2
17.5°	5672.7	3945.0	2562.7	1781.4	1332.5	1054.7	876.8	755.0	669.5	606.3	557.3
15°	7212.8	5089.3	3360.4	2195.2	1522.9	1148.7	929.0	785.1	690.8	621.0	567.4
12.5°	8913.6	6315.4	4068.1	2537.4	1719.1	1262.1	995.6	825.8	714.0	635.8	577.2
10°	10382.6	7460.6	4918.8	3085.6	1977.1	1381.0	1056.7	860.7	733.3	647.8	584.8
7.5°	11705.4	8438.9	5632.2	3513.3	2177.2	1475.3	1105.6	888.5	747.9	656.5	590.2
5°	12644.2	9186.6	6206.1	3836.6	2320.4	1540.7	1139.6	908.2	757.5	662.0	593.3
2.5°	13229.9	9636.6	6580.4	4028.5	2390.4	1576.5	1161.0	919.3	765.6	668.0	595.0
0°	13283.5	9604.8	6632.9	4121.9	2345.8	1582.6	1171.1	921.4	770.2	671.7	594.4
-2.5°	13229.9	9636.6	6580.4	4028.5	2390.4	1576.5	1161.0	919.3	765.6	668.0	595.0
-5°	12644.2	9186.6	6206.1	3836.6	2320.4	1540.7	1139.6	908.2	757.5	662.0	593.3
-7.5°	11705.4	8438.9	5632.2	3513.3	2177.2	1475.3	1105.6	888.5	747.9	656.5	590.2
-10°	10382.6	7460.6	4918.8	3085.6	1977.1	1381.0	1056.7	860.7	733.3	647.8	584.8
-12.5°	8913.6	6315.4	4068.1	2537.4	1719.1	1262.1	995.6	825.8	714.0	635.8	577.2
-15°	7212.8	5089.3	3360.4	2195.2	1522.9	1148.7	929.0	785.1	690.8	621.0	567.4
-17.5°	5672.7	3945.0	2562.7	1781.4	1332.5	1054.7	876.8	755.0	669.5	606.3	557.3
-20°	4144.5	2851.0	2043.6	1496.0	1158.0	947.1	816.1	720.0	647.8	592.8	549.2



REPORT NUMBER: P627315 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-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°	2868.6	2143.5	1585.2	1230.8	1023.3	872.5	764.1	683.6	623.2	577.9	539.7
-25°	2059.4	1595.0	1270.4	1067.2	908.7	794.8	715.0	652.6	603.2	564.0	528.9
-27.5°	1507.1	1231.9	1071.5	924.5	815.1	738.0	673.5	621.1	580.8	547.8	518.0
-30°	1166.5	1031.4	915.6	817.2	746.5	684.7	634.9	594.8	560.0	529.9	502.6
-32.5°	957.5	880.9	799.3	741.2	686.3	640.9	602.5	568.3	538.7	511.6	487.0
-35°	824.3	772.1	721.2	678.1	638.2	603.2	570.6	543.1	517.2	492.5	471.1
-37.5°	730.2	692.9	660.4	627.0	597.3	567.7	541.9	518.5	495.0	474.8	455.7
-40°	660.4	633.7	611.1	585.5	560.7	535.7	515.6	495.0	476.0	457.3	440.2
-42.5°	607.6	589.2	569.9	549.1	528.2	509.8	491.5	474.3	457.0	440.5	425.7
-45°	565.5	550.1	533.1	517.9	501.6	485.7	469.3	453.4	437.9	424.1	411.3
-47.5°	529.3	517.2	503.9	490.7	476.9	462.5	447.3	432.0	419.6	407.4	394.0
-50°	498.4	488.2	477.1	465.4	453.5	440.2	426.2	411.9	400.6	388.8	375.9
-52.5°	469.7	461.6	452.3	442.3	431.2	418.9	405.9	392.5	380.8	369.4	356.5
-55°	443.3	436.8	428.2	418.9	408.9	397.4	385.3	372.5	360.5	349.5	334.2
-57.5°	417.4	411.6	403.2	394.6	385.9	374.4	362.4	351.0	338.4	325.1	310.1
-60°	387.2	383.5	374.5	365.5	356.8	347.3	335.9	324.5	313.0	299.2	283.1
-62.5°	349.4	345.4	338.5	331.2	323.9	316.2	306.1	295.3	284.4	271.8	254.2
-65°	308.2	303.7	298.9	294.4	288.9	282.2	273.4	263.5	251.6	237.9	223.2
-67.5°	270.4	266.9	263.2	259.0	253.8	247.2	238.5	228.3	217.4	206.3	194.7
-70°	236.4	233.7	230.1	225.4	219.5	212.5	204.3	195.5	186.1	176.3	166.2
-72.5°	201.9	199.3	195.6	190.4	184.5	178.1	171.3	163.7	155.4	146.3	138.0
-75°	166.1	163.9	160.7	156.2	151.2	145.9	139.9	133.2	126.5	119.8	113.3
-77.5°	131.3	128.8	125.8	122.0	117.9	113.5	108.8	103.9	99.1	94.0	88.7
-80°	97.4	95.5	93.5	90.6	87.4	83.8	79.8	76.2	72.3	68.7	65.3
-82.5°	66.4	65.8	64.9	62.5	60.0	57.5	55.0	52.8	50.5	48.1	45.5
-85°	37.3	37.2	36.9	35.8	34.7	33.4	32.0	30.6	29.0	27.4	25.7
-87.5°	13.2	13.0	12.8	12.5	12.2	11.9	11.5	11.2	10.8	10.4	10.0
-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: P627315 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-727-U-MR-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°	9.5	9.1	8.6	8.1	7.6	7.0	6.5	6.0	5.4	4.8	4.2
85°	23.9	22.1	20.2	18.2	16.2	14.1	13.0	11.9	10.8	9.6	8.5
82.5°	42.9	40.1	37.2	34.3	31.2	28.1	24.8	21.5	18.0	14.7	12.7
80°	61.7	58.0	54.2	50.3	46.3	42.0	37.7	33.2	28.3	23.6	19.1
77.5°	83.1	77.3	71.3	66.4	61.8	56.8	51.3	45.2	38.5	32.4	26.6
75°	106.5	99.5	92.3	85.2	78.5	71.6	65.4	58.2	49.7	41.2	34.0
72.5°	130.7	122.6	113.9	105.0	96.9	88.6	80.2	71.0	61.4	51.6	41.7
70°	156.2	146.2	136.5	126.4	116.1	105.6	95.8	84.8	72.8	61.8	50.6
67.5°	182.6	170.8	159.2	147.7	136.0	123.9	111.5	98.7	85.4	71.9	59.5
65°	209.7	195.8	181.5	168.8	155.6	142.1	128.3	112.7	97.7	82.9	68.1
62.5°	237.3	221.1	205.4	189.9	175.0	160.1	144.6	127.1	109.9	93.7	77.3
60°	265.1	246.5	228.7	211.5	194.4	177.8	160.3	141.1	122.4	104.2	86.6
57.5°	291.7	271.2	251.0	232.1	213.6	195.2	175.7	154.9	134.4	114.7	95.6
55°	317.6	296.6	272.9	251.5	231.8	212.1	190.5	168.5	146.1	124.8	104.4
52.5°	340.4	319.5	294.9	270.4	248.3	227.8	204.6	181.7	158.0	134.6	112.9
50°	361.0	339.9	315.2	289.3	264.2	241.5	218.1	193.9	169.5	144.2	121.1
47.5°	378.8	358.6	334.2	307.1	280.3	254.6	230.4	205.4	180.5	154.0	129.1
45°	395.0	376.6	352.4	324.6	295.2	268.0	241.9	216.3	190.3	163.5	136.7
42.5°	410.1	392.2	370.1	341.7	310.4	280.8	253.0	226.4	199.5	172.5	144.3
40°	423.7	405.8	386.6	357.7	324.9	292.7	263.8	235.9	208.1	180.8	151.7
37.5°	437.2	418.7	398.9	372.7	338.3	305.0	273.9	244.8	216.4	188.1	158.6
35°	451.1	431.2	409.6	384.4	351.3	316.3	283.2	253.3	224.2	195.0	165.1
32.5°	464.4	442.5	419.4	394.4	363.3	326.6	292.3	261.5	231.5	201.4	171.0
30°	477.4	451.8	428.1	404.5	373.8	336.7	301.2	269.1	238.3	207.4	176.4
27.5°	487.3	459.9	435.7	412.5	382.5	346.0	309.8	276.1	244.6	212.9	181.2
25°	496.3	467.6	442.3	418.8	391.2	355.5	317.7	282.5	250.3	218.0	185.6
22.5°	505.2	474.3	447.8	424.2	399.4	364.2	325.2	288.9	255.4	222.5	189.5
20°	512.9	479.7	452.3	429.1	404.9	370.9	332.2	294.6	260.0	226.5	193.0
17.5°	519.5	485.2	457.1	433.1	408.7	376.6	338.3	299.6	263.9	230.0	196.0
15°	526.2	491.0	461.1	436.2	411.9	381.3	343.5	303.8	267.3	233.0	198.8
12.5°	532.0	495.2	464.3	438.5	414.7	384.9	347.8	307.3	270.0	235.8	201.5
10°	536.5	498.0	466.5	439.9	416.8	387.6	351.2	310.5	273.3	238.2	203.6
7.5°	539.6	499.4	467.8	440.4	418.3	389.9	354.5	314.0	276.2	240.2	205.3
5°	541.7	500.0	468.6	441.7	419.2	392.1	356.9	316.8	278.6	241.6	206.5
2.5°	544.2	500.3	468.7	442.7	419.3	393.5	358.3	318.8	280.3	242.4	207.3
0°	545.1	499.4	467.8	443.1	418.5	393.9	358.7	320.0	281.4	242.7	207.5
-2.5°	544.2	500.3	468.7	442.7	419.3	393.5	358.3	318.8	280.3	242.4	207.3
-5°	541.7	500.0	468.6	441.7	419.2	392.1	356.9	316.8	278.6	241.6	206.5
-7.5°	539.6	499.4	467.8	440.4	418.3	389.9	354.5	314.0	276.2	240.2	205.3
-10°	536.5	498.0	466.5	439.9	416.8	387.6	351.2	310.5	273.3	238.2	203.6
-12.5°	532.0	495.2	464.3	438.5	414.7	384.9	347.8	307.3	270.0	235.8	201.5
-15°	526.2	491.0	461.1	436.2	411.9	381.3	343.5	303.8	267.3	233.0	198.8
-17.5°	519.5	485.2	457.1	433.1	408.7	376.6	338.3	299.6	263.9	230.0	196.0
-20°	512.9	479.7	452.3	429.1	404.9	370.9	332.2	294.6	260.0	226.5	193.0

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

Scaled Data Report



REPORT NUMBER: P627315 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4B-727-U-MR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	505.2	474.3	447.8	424.2	399.4	364.2	325.2	288.9	255.4	222.5	189.5
-25°	496.3	467.6	442.3	418.8	391.2	355.5	317.7	282.5	250.3	218.0	185.6
-27.5°	487.3	459.9	435.7	412.5	382.5	346.0	309.8	276.1	244.6	212.9	181.2
-30°	477.4	451.8	428.1	404.5	373.8	336.7	301.2	269.1	238.3	207.4	176.4
-32.5°	464.4	442.5	419.4	394.4	363.3	326.6	292.3	261.5	231.5	201.4	171.0
-35°	451.1	431.2	409.6	384.4	351.3	316.3	283.2	253.3	224.2	195.0	165.1
-37.5°	437.2	418.7	398.9	372.7	338.3	305.0	273.9	244.8	216.4	188.1	158.6
-40°	423.7	405.8	386.6	357.7	324.9	292.7	263.8	235.9	208.1	180.8	151.7
-42.5°	410.1	392.2	370.1	341.7	310.4	280.8	253.0	226.4	199.5	172.5	144.3
-45°	395.0	376.6	352.4	324.6	295.2	268.0	241.9	216.3	190.3	163.5	136.7
-47.5°	378.8	358.6	334.2	307.1	280.3	254.6	230.4	205.4	180.5	154.0	129.1
-50°	361.0	339.9	315.2	289.3	264.2	241.5	218.1	193.9	169.5	144.2	121.1
-52.5°	340.4	319.5	294.9	270.4	248.3	227.8	204.6	181.7	158.0	134.6	112.9
-55°	317.6	296.6	272.9	251.5	231.8	212.1	190.5	168.5	146.1	124.8	104.4
-57.5°	291.7	271.2	251.0	232.1	213.6	195.2	175.7	154.9	134.4	114.7	95.6
-60°	265.1	246.5	228.7	211.5	194.4	177.8	160.3	141.1	122.4	104.2	86.6
-62.5°	237.3	221.1	205.4	189.9	175.0	160.1	144.6	127.1	109.9	93.7	77.3
-65°	209.7	195.8	181.5	168.8	155.6	142.1	128.3	112.7	97.7	82.9	68.1
-67.5°	182.6	170.8	159.2	147.7	136.0	123.9	111.5	98.7	85.4	71.9	59.5
-70°	156.2	146.2	136.5	126.4	116.1	105.6	95.8	84.8	72.8	61.8	50.6
-72.5°	130.7	122.6	113.9	105.0	96.9	88.6	80.2	71.0	61.4	51.6	41.7
-75°	106.5	99.5	92.3	85.2	78.5	71.6	65.4	58.2	49.7	41.2	34.0
-77.5°	83.1	77.3	71.3	66.4	61.8	56.8	51.3	45.2	38.5	32.4	26.6
-80°	61.7	58.0	54.2	50.3	46.3	42.0	37.7	33.2	28.3	23.6	19.1
-82.5°	42.9	40.1	37.2	34.3	31.2	28.1	24.8	21.5	18.0	14.7	12.7
-85°	23.9	22.1	20.2	18.2	16.2	14.1	13.0	11.9	10.8	9.6	8.5
-87.5°	9.5	9.1	8.6	8.1	7.6	7.0	6.5	6.0	5.4	4.8	4.2
-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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Scaled Data Report



REPORT NUMBER: P627315 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4B-727-U-MR-XX

**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°	3.6	3.1	2.4	1.8	1.2	0.6	0.0
85°	7.3	6.1	4.9	3.7	2.5	1.2	0.0
82.5°	10.9	9.1	7.3	5.5	3.7	1.8	0.0
80°	14.8	12.1	9.7	7.3	4.9	2.4	0.0
77.5°	21.1	15.9	12.1	9.1	6.1	3.1	0.0
75°	27.3	21.1	14.8	10.9	7.3	3.6	0.0
72.5°	33.4	26.2	19.0	12.7	8.5	4.2	0.0
70°	39.7	31.3	23.0	14.7	9.6	4.8	0.0
67.5°	47.3	36.3	27.0	17.7	10.8	5.4	0.0
65°	54.9	41.8	30.9	20.6	11.9	6.0	0.0
62.5°	62.3	48.0	34.8	23.5	13.0	6.5	0.0
60°	69.5	54.0	38.5	26.3	14.1	7.0	0.0
57.5°	77.1	59.9	43.2	29.1	15.9	7.6	0.0
55°	84.5	65.6	47.8	31.7	17.7	8.1	0.0
52.5°	91.7	71.3	52.2	34.3	19.4	8.6	0.0
50°	98.5	76.9	56.5	36.9	21.1	9.1	0.0
47.5°	105.2	82.4	60.7	39.4	22.7	9.5	0.0
45°	111.7	87.5	64.7	42.4	24.3	10.0	0.0
42.5°	117.9	92.5	68.5	45.3	25.8	10.4	0.0
40°	123.9	97.1	72.2	48.0	27.2	10.8	0.0
37.5°	129.5	101.5	75.7	50.5	28.5	11.2	0.0
35°	134.9	105.8	79.0	52.9	29.8	11.5	0.0
32.5°	139.9	109.9	82.0	55.0	31.0	11.9	0.0
30°	144.6	113.8	84.9	57.0	32.1	12.2	0.0
27.5°	149.0	117.3	87.4	58.8	33.1	12.5	0.0
25°	152.9	120.6	89.8	60.5	34.1	12.8	0.0
22.5°	156.4	123.5	92.0	61.9	34.9	13.0	0.0
20°	159.5	126.1	94.0	63.2	35.7	13.2	0.0
17.5°	162.3	128.3	95.8	64.2	36.4	13.4	0.0
15°	164.8	130.1	97.4	65.1	37.0	13.6	0.0
12.5°	167.0	131.5	98.8	65.9	37.5	13.8	0.0
10°	168.9	132.6	99.9	66.4	38.0	13.9	0.0
7.5°	170.3	133.4	100.8	66.7	38.3	14.0	0.0
5°	171.4	133.8	101.5	66.9	38.5	14.0	0.0
2.5°	172.1	133.8	101.9	66.9	38.7	14.1	0.0
0°	172.3	133.6	102.0	66.8	38.7	14.1	0.0
-2.5°	172.1	133.8	101.9	66.9	38.7	14.1	0.0
-5°	171.4	133.8	101.5	66.9	38.5	14.0	0.0
-7.5°	170.3	133.4	100.8	66.7	38.3	14.0	0.0
-10°	168.9	132.6	99.9	66.4	38.0	13.9	0.0
-12.5°	167.0	131.5	98.8	65.9	37.5	13.8	0.0
-15°	164.8	130.1	97.4	65.1	37.0	13.6	0.0
-17.5°	162.3	128.3	95.8	64.2	36.4	13.4	0.0
-20°	159.5	126.1	94.0	63.2	35.7	13.2	0.0

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Scaled Data Report



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	156.4	123.5	92.0	61.9	34.9	13.0	0.0
-25°	152.9	120.6	89.8	60.5	34.1	12.8	0.0
-27.5°	149.0	117.3	87.4	58.8	33.1	12.5	0.0
-30°	144.6	113.8	84.9	57.0	32.1	12.2	0.0
-32.5°	139.9	109.9	82.0	55.0	31.0	11.9	0.0
-35°	134.9	105.8	79.0	52.9	29.8	11.5	0.0
-37.5°	129.5	101.5	75.7	50.5	28.5	11.2	0.0
-40°	123.9	97.1	72.2	48.0	27.2	10.8	0.0
-42.5°	117.9	92.5	68.5	45.3	25.8	10.4	0.0
-45°	111.7	87.5	64.7	42.4	24.3	10.0	0.0
-47.5°	105.2	82.4	60.7	39.4	22.7	9.5	0.0
-50°	98.5	76.9	56.5	36.9	21.1	9.1	0.0
-52.5°	91.7	71.3	52.2	34.3	19.4	8.6	0.0
-55°	84.5	65.6	47.8	31.7	17.7	8.1	0.0
-57.5°	77.1	59.9	43.2	29.1	15.9	7.6	0.0
-60°	69.5	54.0	38.5	26.3	14.1	7.0	0.0
-62.5°	62.3	48.0	34.8	23.5	13.0	6.5	0.0
-65°	54.9	41.8	30.9	20.6	11.9	6.0	0.0
-67.5°	47.3	36.3	27.0	17.7	10.8	5.4	0.0
-70°	39.7	31.3	23.0	14.7	9.6	4.8	0.0
-72.5°	33.4	26.2	19.0	12.7	8.5	4.2	0.0
-75°	27.3	21.1	14.8	10.9	7.3	3.6	0.0
-77.5°	21.1	15.9	12.1	9.1	6.1	3.1	0.0
-80°	14.8	12.1	9.7	7.3	4.9	2.4	0.0
-82.5°	10.9	9.1	7.3	5.5	3.7	1.8	0.0
-85°	7.3	6.1	4.9	3.7	2.5	1.2	0.0
-87.5°	3.6	3.1	2.4	1.8	1.2	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)