

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



Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P627337 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4B-735-U-MWR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627337 (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: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4B-735-U-MWR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N95  
Light Source: (64) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

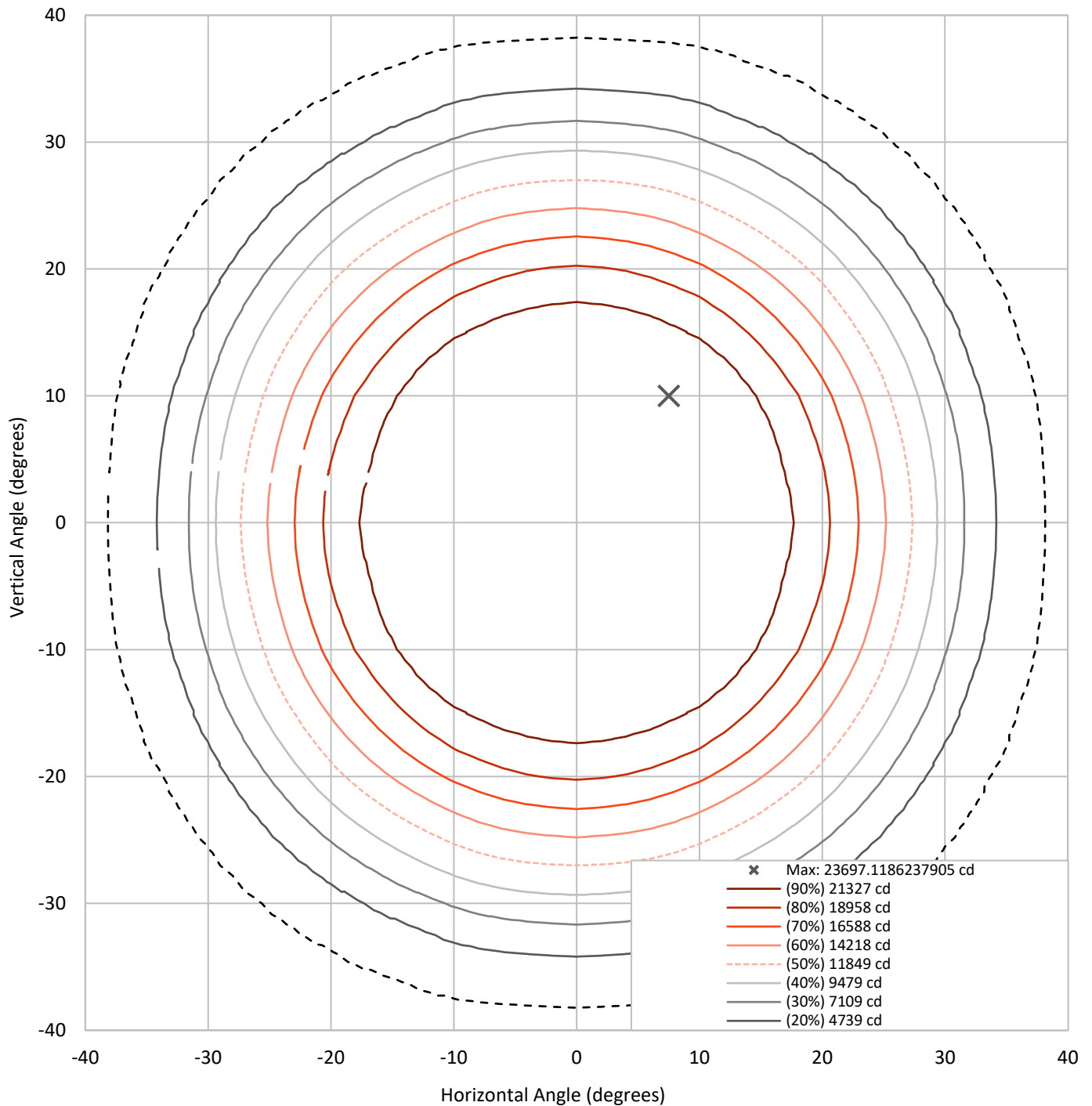
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	20168.5 lumens	Max Intensity:	23697.1 candela
Efficiency:	N/A	Max Intensity Angle:	7.5°H x 10°V
Efficacy:	155.7 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	51°H x 52.3°V	Field Angle (10%):	74.5°H x 75.5°V
Beam Lumens:	13386.6 lumens	Field Lumens:	17406.5 lumens
Beam Efficiency:	66.4%	Field Efficiency:	86.3%
Input Watts (W):	129.5		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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### Iso-Candela Plot





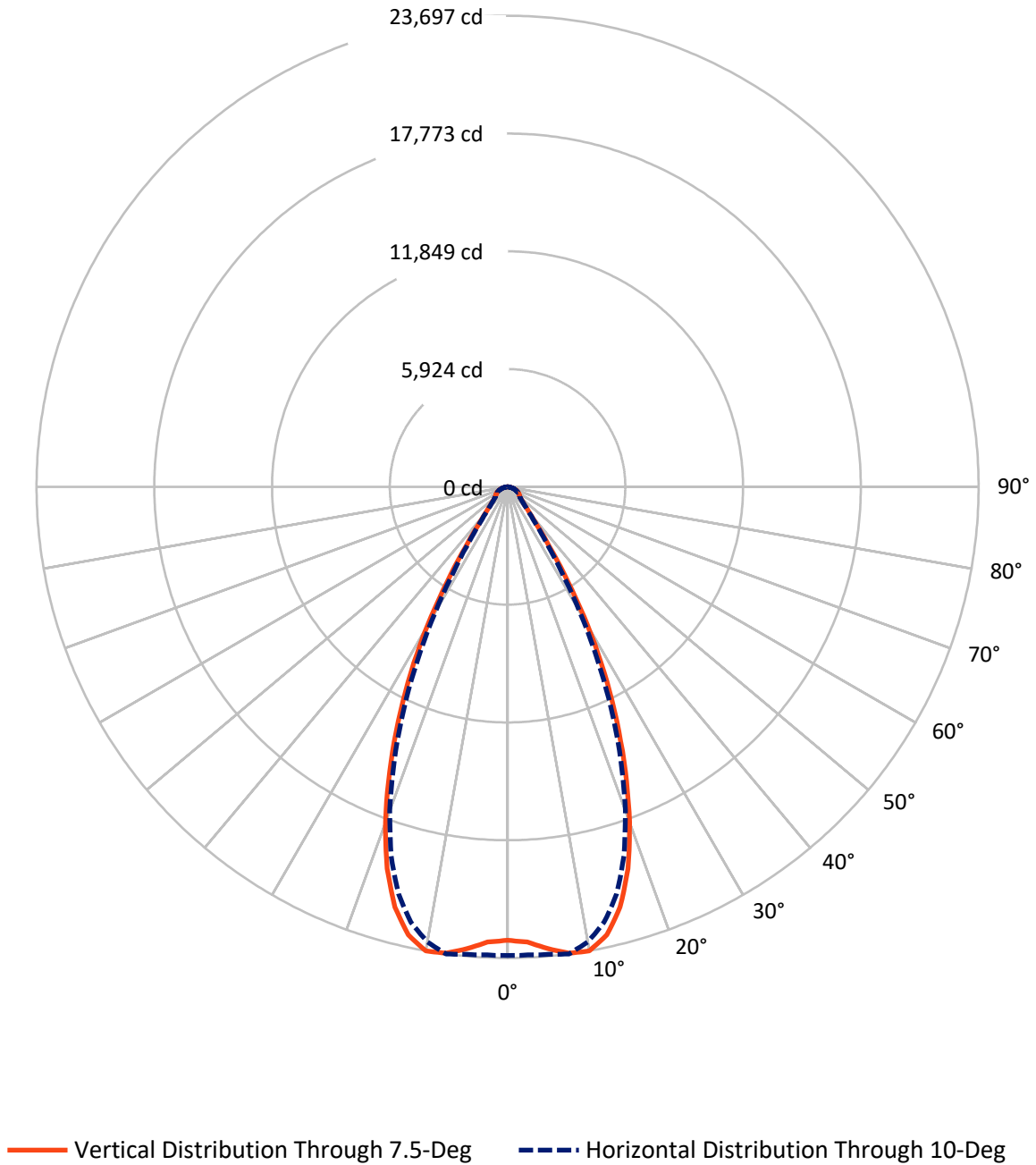
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### Lumen Table

90															90				
80	0.5	4.7		12.7		20.0		22.4		20.0		12.7		4.7		0.5			
70															70				
60	2.1	2.4	4.9	8.1	11.3	13.7	15.5	16.4	16.4	15.5	13.7	11.3	8.1	4.9	2.4	2.1			
		3.6	7.3	11.6	15.6	18.8	21.1	22.0	22.0	21.1	18.8	15.6	11.6	7.3	3.6				
50															50				
40	3.8	4.7	9.2	14.1	18.9	24.6	31.0	35.6	35.6	31.0	24.6	18.9	14.1	9.2	4.7	3.8			
		5.6	10.7	16.2	25.1	45.8	87.7	130.1	130.1	87.7	45.8	25.1	16.2	10.7	5.6				
30															30				
20	4.9	6.2	11.7	19.0	41.3	129.5	290.5	405.6	405.6	290.5	129.5	41.3	19.0	11.7	6.2	4.9			
		6.6	12.3	22.5	74.7	276.0	527.1	659.7	659.7	527.1	276.0	74.7	22.5	12.3	6.6				
10															10				
0	5.3	6.9	12.6	25.3	107.5	377.7	639.5	695.8	695.8	639.5	377.7	107.5	25.3	12.6	6.9	5.3			
		6.9	12.6	25.3	107.5	377.7	639.5	695.8	695.8	639.5	377.7	107.5	25.3	12.6	6.9				
-10															-10				
-20	4.9	6.6	12.3	22.5	74.7	276.0	527.1	659.7	659.7	527.1	276.0	74.7	22.5	12.3	6.6	4.9			
		6.2	11.7	19.0	41.3	129.5	290.5	405.6	405.6	290.5	129.5	41.3	19.0	11.7	6.2				
-30															-30				
-40	3.8	5.6	10.7	16.2	25.1	45.8	87.7	130.1	130.1	87.7	45.8	25.1	16.2	10.7	5.6	3.8			
		4.7	9.2	14.1	18.9	24.6	31.0	35.6	35.6	31.0	24.6	18.9	14.1	9.2	4.7				
-50															-50				
-60	2.1	3.6	7.3	11.6	15.6	18.8	21.1	22.0	22.0	21.1	18.8	15.6	11.6	7.3	3.6	2.1			
		2.4	4.9	8.1	11.3	13.7	15.5	16.4	16.4	15.5	13.7	11.3	8.1	4.9	2.4				
-70															-70				
-80	0.5	4.7		12.7		20.0		22.4		20.0		12.7		4.7		0.5			
-90															-90				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

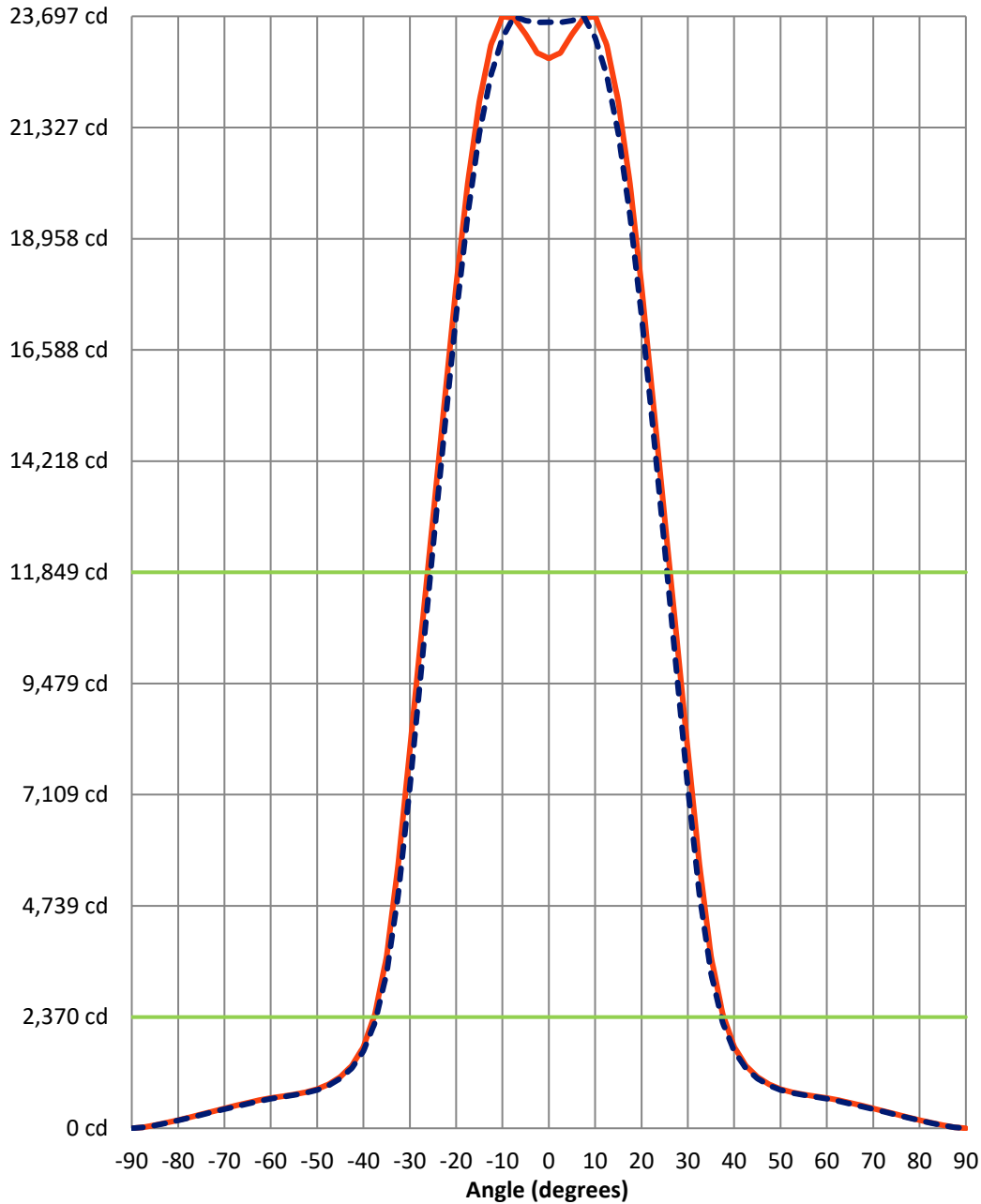
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 51°  
 V Angle: 52.3°  
 Lumens: 13386.6  
 Efficiency: 66.4%

**Field:**  
 H Angle: 74.5°  
 V Angle: 75.5°  
 Lumens: 17406.5  
 Efficiency: 86.3%

**Spill:**  
 Lumens: 2762  
 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	0.9	1.8	2.7	3.6	4.5	5.4	6.5	7.8	9.1	10.5
85°	0.0	1.8	3.6	5.4	7.2	8.9	10.7	13.0	15.6	18.2	21.0
82.5°	0.0	2.7	5.4	8.1	10.8	13.4	16.0	19.5	23.8	30.0	35.8
80°	0.0	3.6	7.2	10.8	14.3	17.8	22.1	30.5	38.5	46.1	53.2
77.5°	0.0	4.5	8.9	13.4	17.8	24.1	33.7	43.7	53.2	62.1	71.8
75°	0.0	5.4	10.7	16.0	22.1	33.7	45.2	56.8	68.1	81.2	94.0
72.5°	0.0	6.2	12.4	18.6	29.7	43.2	56.6	70.5	85.9	101.1	116.0
70°	0.0	7.1	14.1	21.8	37.2	52.6	68.1	85.9	103.4	120.8	138.9
67.5°	0.0	7.9	15.8	27.3	44.7	61.9	81.0	101.1	120.8	141.1	161.7
65°	0.0	8.7	17.5	32.8	51.9	71.6	93.7	116.0	138.2	160.9	185.0
62.5°	0.0	9.6	19.1	38.2	59.1	81.8	106.1	130.7	155.3	180.9	210.0
60°	0.0	10.3	20.7	43.4	66.1	91.7	118.1	145.1	171.9	202.6	234.4
57.5°	0.0	11.1	24.0	48.5	73.6	101.3	130.2	159.1	189.9	223.7	257.3
55°	0.0	11.9	27.3	53.5	81.0	110.7	142.0	172.7	207.9	244.0	279.3
52.5°	0.0	12.6	30.4	58.3	88.2	119.8	153.6	187.7	225.2	263.2	300.7
50°	0.0	13.3	33.4	63.0	95.0	129.2	164.8	202.4	241.9	281.9	321.4
47.5°	0.0	14.0	36.3	67.6	101.6	138.4	175.9	216.5	257.8	299.8	341.5
45°	0.0	14.6	39.1	72.3	107.9	147.2	187.4	229.9	273.2	317.1	360.7
42.5°	0.0	15.3	41.7	76.8	113.9	155.7	198.3	242.7	287.9	333.7	378.9
40°	0.0	15.9	44.2	80.9	120.0	163.8	208.7	254.8	301.8	349.5	396.4
37.5°	0.0	16.4	46.5	84.8	126.2	171.6	218.4	266.2	315.3	364.8	413.2
35°	0.0	17.0	48.7	88.5	132.1	179.2	227.6	276.8	328.2	379.0	428.9
32.5°	0.0	17.5	50.7	91.9	137.6	186.4	236.1	286.7	340.4	392.3	442.7
30°	0.0	17.9	52.6	95.0	142.8	193.0	244.0	296.0	351.9	404.6	455.6
27.5°	0.0	18.4	54.3	97.9	147.4	199.1	251.3	305.2	362.4	415.7	467.5
25°	0.0	18.8	55.9	100.6	151.6	204.7	257.8	313.7	371.5	425.6	478.4
22.5°	0.0	19.1	57.2	102.9	155.4	209.7	263.8	321.5	379.7	434.4	488.2
20°	0.0	19.5	58.4	105.1	158.8	213.9	269.0	328.5	386.9	442.2	497.0
17.5°	0.0	19.7	59.5	106.9	161.7	217.6	273.7	334.8	393.2	449.1	504.7
15°	0.0	20.0	60.4	108.5	164.2	220.8	278.0	340.4	398.5	455.0	511.3
12.5°	0.0	20.2	61.1	109.8	166.3	223.4	281.6	345.3	403.2	459.9	516.8
10°	0.0	20.4	61.6	110.8	167.9	225.4	284.7	349.4	407.4	464.4	521.4
7.5°	0.0	20.5	62.0	111.5	169.1	226.9	287.1	352.6	410.6	468.1	525.5
5°	0.0	20.6	62.2	112.0	169.8	227.9	288.9	354.9	412.9	470.7	528.4
2.5°	0.0	20.7	62.3	112.1	170.1	228.3	289.9	356.2	414.2	472.3	530.2
0°	0.0	20.7	62.2	112.0	170.0	228.1	290.3	356.7	414.7	472.8	530.8
-2.5°	0.0	20.7	62.3	112.1	170.1	228.3	289.9	356.2	414.2	472.3	530.2
-5°	0.0	20.6	62.2	112.0	169.8	227.9	288.9	354.9	412.9	470.7	528.4
-7.5°	0.0	20.5	62.0	111.5	169.1	226.9	287.1	352.6	410.6	468.1	525.5
-10°	0.0	20.4	61.6	110.8	167.9	225.4	284.7	349.4	407.4	464.4	521.4
-12.5°	0.0	20.2	61.1	109.8	166.3	223.4	281.6	345.3	403.2	459.9	516.8
-15°	0.0	20.0	60.4	108.5	164.2	220.8	278.0	340.4	398.5	455.0	511.3
-17.5°	0.0	19.7	59.5	106.9	161.7	217.6	273.7	334.8	393.2	449.1	504.7
-20°	0.0	19.5	58.4	105.1	158.8	213.9	269.0	328.5	386.9	442.2	497.0

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CATALOG NUMBER: GFLD-SA4B-735-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	19.1	57.2	102.9	155.4	209.7	263.8	321.5	379.7	434.4	488.2
-25°	0.0	18.8	55.9	100.6	151.6	204.7	257.8	313.7	371.5	425.6	478.4
-27.5°	0.0	18.4	54.3	97.9	147.4	199.1	251.3	305.2	362.4	415.7	467.5
-30°	0.0	17.9	52.6	95.0	142.8	193.0	244.0	296.0	351.9	404.6	455.6
-32.5°	0.0	17.5	50.7	91.9	137.6	186.4	236.1	286.7	340.4	392.3	442.7
-35°	0.0	17.0	48.7	88.5	132.1	179.2	227.6	276.8	328.2	379.0	428.9
-37.5°	0.0	16.4	46.5	84.8	126.2	171.6	218.4	266.2	315.3	364.8	413.2
-40°	0.0	15.9	44.2	80.9	120.0	163.8	208.7	254.8	301.8	349.5	396.4
-42.5°	0.0	15.3	41.7	76.8	113.9	155.7	198.3	242.7	287.9	333.7	378.9
-45°	0.0	14.6	39.1	72.3	107.9	147.2	187.4	229.9	273.2	317.1	360.7
-47.5°	0.0	14.0	36.3	67.6	101.6	138.4	175.9	216.5	257.8	299.8	341.5
-50°	0.0	13.3	33.4	63.0	95.0	129.2	164.8	202.4	241.9	281.9	321.4
-52.5°	0.0	12.6	30.4	58.3	88.2	119.8	153.6	187.7	225.2	263.2	300.7
-55°	0.0	11.9	27.3	53.5	81.0	110.7	142.0	172.7	207.9	244.0	279.3
-57.5°	0.0	11.1	24.0	48.5	73.6	101.3	130.2	159.1	189.9	223.7	257.3
-60°	0.0	10.3	20.7	43.4	66.1	91.7	118.1	145.1	171.9	202.6	234.4
-62.5°	0.0	9.6	19.1	38.2	59.1	81.8	106.1	130.7	155.3	180.9	210.0
-65°	0.0	8.7	17.5	32.8	51.9	71.6	93.7	116.0	138.2	160.9	185.0
-67.5°	0.0	7.9	15.8	27.3	44.7	61.9	81.0	101.1	120.8	141.1	161.7
-70°	0.0	7.1	14.1	21.8	37.2	52.6	68.1	85.9	103.4	120.8	138.9
-72.5°	0.0	6.2	12.4	18.6	29.7	43.2	56.6	70.5	85.9	101.1	116.0
-75°	0.0	5.4	10.7	16.0	22.1	33.7	45.2	56.8	68.1	81.2	94.0
-77.5°	0.0	4.5	8.9	13.4	17.8	24.1	33.7	43.7	53.2	62.1	71.8
-80°	0.0	3.6	7.2	10.8	14.3	17.8	22.1	30.5	38.5	46.1	53.2
-82.5°	0.0	2.7	5.4	8.1	10.8	13.4	16.0	19.5	23.8	30.0	35.8
-85°	0.0	1.8	3.6	5.4	7.2	8.9	10.7	13.0	15.6	18.2	21.0
-87.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.5	7.8	9.1	10.5
-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):**

	-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°	11.5	12.4	13.4	14.3	15.2	16.0	16.8	17.6	18.4	19.1	19.8
85°	23.0	24.9	28.2	31.6	34.8	37.9	40.9	43.7	46.5	49.1	51.6
82.5°	41.1	46.5	52.0	57.5	62.4	67.1	71.7	76.4	81.1	85.8	90.4
80°	60.5	68.0	76.5	84.6	91.8	98.6	105.1	111.4	118.2	125.5	132.9
77.5°	82.8	93.5	103.5	112.9	122.0	131.8	141.4	150.5	160.1	169.5	178.6
75°	106.8	119.0	131.8	144.4	156.6	168.5	180.0	191.9	203.8	215.7	227.1
72.5°	131.5	146.9	162.0	176.7	191.9	206.8	221.1	234.9	249.2	263.7	277.6
70°	157.1	174.7	193.4	211.3	228.5	245.8	263.3	280.2	296.7	313.6	330.3
67.5°	183.0	205.2	226.1	246.1	266.3	286.7	306.5	326.6	346.1	365.7	384.5
65°	211.5	235.7	258.7	281.5	304.5	328.4	351.7	374.2	396.9	418.8	438.5
62.5°	239.5	265.2	290.6	316.6	343.9	370.8	396.3	422.1	448.4	471.3	491.3
60°	265.2	293.8	322.2	351.8	382.0	410.9	439.4	467.5	495.8	522.2	538.5
57.5°	290.0	321.6	353.1	385.0	416.8	449.0	479.1	509.9	536.2	558.5	577.4
55°	314.2	348.5	382.1	415.5	449.9	483.6	516.3	545.6	571.3	589.8	608.1
52.5°	337.8	373.9	408.6	444.8	481.3	517.1	551.2	578.4	599.4	618.4	635.4
50°	360.6	397.4	434.0	473.2	511.8	549.6	581.7	605.5	626.9	645.3	663.2
47.5°	382.0	420.3	459.4	500.7	541.3	577.9	607.3	632.2	654.1	674.0	695.1
45°	402.5	443.2	484.6	527.1	568.6	604.0	632.4	659.2	679.7	702.1	726.3
42.5°	422.5	465.3	508.6	552.5	594.4	627.5	655.8	680.4	704.5	731.1	760.4
40°	441.5	486.1	531.2	577.0	618.8	648.1	675.8	701.9	731.1	762.8	796.7
37.5°	459.3	505.6	552.4	600.0	636.7	666.9	695.3	724.3	758.4	795.1	841.1
35°	476.0	523.7	572.2	617.9	652.8	684.7	714.1	746.6	786.3	834.3	893.2
32.5°	491.4	540.5	590.4	632.4	667.5	700.7	731.0	771.5	819.2	876.3	959.6
30°	505.6	555.9	606.0	646.6	680.9	714.2	751.0	796.7	852.5	935.8	1042.4
27.5°	518.8	569.9	618.2	658.4	692.8	727.2	770.3	825.6	899.0	998.4	1131.0
25°	530.9	583.3	630.0	668.3	703.8	742.0	788.8	851.0	947.6	1075.9	1255.0
22.5°	541.9	595.3	641.2	676.8	714.2	755.6	810.2	887.9	999.3	1149.1	1380.2
20°	551.7	604.5	649.6	684.9	723.8	766.7	829.2	922.9	1057.2	1251.4	1546.3
17.5°	560.2	612.5	655.9	692.7	733.1	779.4	847.7	953.2	1108.7	1340.5	1714.2
15°	567.6	619.3	661.2	699.4	741.2	794.0	873.5	992.8	1168.6	1433.3	1860.4
12.5°	573.7	624.9	665.5	704.8	747.9	806.1	895.5	1030.3	1230.7	1547.2	2076.0
10°	578.5	629.3	668.8	709.0	753.1	815.8	913.4	1060.9	1282.1	1645.8	2259.9
7.5°	583.0	632.6	671.1	712.0	756.9	823.1	927.0	1084.4	1321.6	1723.3	2405.5
5°	586.3	634.5	672.4	713.7	760.0	827.8	936.3	1100.8	1348.8	1778.7	2507.9
2.5°	588.2	635.1	672.6	714.1	762.3	829.9	941.1	1109.8	1370.2	1804.9	2562.9
0°	588.9	634.5	671.8	713.3	763.1	829.4	941.4	1111.4	1381.0	1804.0	2571.2
-2.5°	588.2	635.1	672.6	714.1	762.3	829.9	941.1	1109.8	1370.2	1804.9	2562.9
-5°	586.3	634.5	672.4	713.7	760.0	827.8	936.3	1100.8	1348.8	1778.7	2507.9
-7.5°	583.0	632.6	671.1	712.0	756.9	823.1	927.0	1084.4	1321.6	1723.3	2405.5
-10°	578.5	629.3	668.8	709.0	753.1	815.8	913.4	1060.9	1282.1	1645.8	2259.9
-12.5°	573.7	624.9	665.5	704.8	747.9	806.1	895.5	1030.3	1230.7	1547.2	2076.0
-15°	567.6	619.3	661.2	699.4	741.2	794.0	873.5	992.8	1168.6	1433.3	1860.4
-17.5°	560.2	612.5	655.9	692.7	733.1	779.4	847.7	953.2	1108.7	1340.5	1714.2
-20°	551.7	604.5	649.6	684.9	723.8	766.7	829.2	922.9	1057.2	1251.4	1546.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627337 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-735-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°	541.9	595.3	641.2	676.8	714.2	755.6	810.2	887.9	999.3	1149.1	1380.2
-25°	530.9	583.3	630.0	668.3	703.8	742.0	788.8	851.0	947.6	1075.9	1255.0
-27.5°	518.8	569.9	618.2	658.4	692.8	727.2	770.3	825.6	899.0	998.4	1131.0
-30°	505.6	555.9	606.0	646.6	680.9	714.2	751.0	796.7	852.5	935.8	1042.4
-32.5°	491.4	540.5	590.4	632.4	667.5	700.7	731.0	771.5	819.2	876.3	959.6
-35°	476.0	523.7	572.2	617.9	652.8	684.7	714.1	746.6	786.3	834.3	893.2
-37.5°	459.3	505.6	552.4	600.0	636.7	666.9	695.3	724.3	758.4	795.1	841.1
-40°	441.5	486.1	531.2	577.0	618.8	648.1	675.8	701.9	731.1	762.8	796.7
-42.5°	422.5	465.3	508.6	552.5	594.4	627.5	655.8	680.4	704.5	731.1	760.4
-45°	402.5	443.2	484.6	527.1	568.6	604.0	632.4	659.2	679.7	702.1	726.3
-47.5°	382.0	420.3	459.4	500.7	541.3	577.9	607.3	632.2	654.1	674.0	695.1
-50°	360.6	397.4	434.0	473.2	511.8	549.6	581.7	605.5	626.9	645.3	663.2
-52.5°	337.8	373.9	408.6	444.8	481.3	517.1	551.2	578.4	599.4	618.4	635.4
-55°	314.2	348.5	382.1	415.5	449.9	483.6	516.3	545.6	571.3	589.8	608.1
-57.5°	290.0	321.6	353.1	385.0	416.8	449.0	479.1	509.9	536.2	558.5	577.4
-60°	265.2	293.8	322.2	351.8	382.0	410.9	439.4	467.5	495.8	522.2	538.5
-62.5°	239.5	265.2	290.6	316.6	343.9	370.8	396.3	422.1	448.4	471.3	491.3
-65°	211.5	235.7	258.7	281.5	304.5	328.4	351.7	374.2	396.9	418.8	438.5
-67.5°	183.0	205.2	226.1	246.1	266.3	286.7	306.5	326.6	346.1	365.7	384.5
-70°	157.1	174.7	193.4	211.3	228.5	245.8	263.3	280.2	296.7	313.6	330.3
-72.5°	131.5	146.9	162.0	176.7	191.9	206.8	221.1	234.9	249.2	263.7	277.6
-75°	106.8	119.0	131.8	144.4	156.6	168.5	180.0	191.9	203.8	215.7	227.1
-77.5°	82.8	93.5	103.5	112.9	122.0	131.8	141.4	150.5	160.1	169.5	178.6
-80°	60.5	68.0	76.5	84.6	91.8	98.6	105.1	111.4	118.2	125.5	132.9
-82.5°	41.1	46.5	52.0	57.5	62.4	67.1	71.7	76.4	81.1	85.8	90.4
-85°	23.0	24.9	28.2	31.6	34.8	37.9	40.9	43.7	46.5	49.1	51.6
-87.5°	11.5	12.4	13.4	14.3	15.2	16.0	16.8	17.6	18.4	19.1	19.8
-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: P627337 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-735-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°	20.4	20.1	19.8	19.3	18.8	20.1	21.4	22.7	24.0	23.3	22.5
85°	54.0	55.2	56.2	57.1	57.9	60.4	62.9	65.2	67.4	67.3	67.1
82.5°	95.0	98.0	100.7	103.0	105.2	108.1	110.9	113.2	115.2	116.7	117.9
80°	140.0	144.9	149.2	153.1	156.5	160.5	164.2	167.5	170.3	171.9	172.9
77.5°	187.5	194.8	201.2	207.4	213.3	219.1	224.4	229.1	233.2	234.2	233.9
75°	237.8	247.6	256.7	265.2	273.0	279.7	285.4	290.2	294.1	296.0	297.1
72.5°	290.8	302.8	313.6	323.3	331.6	338.5	344.5	349.7	354.1	356.9	358.5
70°	346.1	360.3	371.3	380.4	387.6	394.5	402.2	409.6	416.5	420.4	421.9
67.5°	401.6	416.3	426.4	434.7	441.2	448.0	457.8	466.5	474.3	479.6	482.9
65°	455.9	471.3	481.5	489.5	495.5	502.3	513.1	521.8	528.4	533.7	538.4
62.5°	509.5	525.1	536.4	545.9	554.6	562.0	571.0	578.3	583.9	589.1	595.0
60°	556.0	574.5	586.4	595.9	606.7	618.4	624.9	630.4	635.2	639.4	643.0
57.5°	594.0	610.5	625.7	637.2	648.4	659.2	667.0	672.1	676.3	679.5	680.7
55°	625.7	642.7	659.7	672.2	683.3	693.4	701.9	708.6	714.1	718.5	719.5
52.5°	654.2	673.3	690.0	704.4	719.0	730.9	740.2	749.3	757.3	763.7	766.5
50°	685.1	705.2	726.0	745.3	760.8	774.4	785.8	798.6	812.2	823.4	830.4
47.5°	717.7	740.8	765.9	789.6	808.1	828.3	847.1	866.2	891.4	912.5	928.2
45°	751.7	781.4	810.1	840.3	865.7	903.8	939.2	969.6	1009.9	1046.5	1075.6
42.5°	792.0	828.9	864.1	912.5	963.1	1015.2	1071.4	1119.3	1182.4	1246.7	1298.5
40°	839.7	886.8	948.9	1013.8	1093.7	1165.3	1262.4	1348.8	1445.6	1568.1	1669.2
37.5°	897.0	969.7	1056.0	1146.5	1271.2	1390.2	1550.6	1719.7	1873.1	2108.6	2306.7
35°	971.5	1073.1	1186.8	1347.0	1523.3	1746.5	1996.7	2323.3	2603.3	3000.6	3380.2
32.5°	1067.5	1198.2	1383.8	1631.0	1891.7	2296.8	2693.9	3260.9	3786.0	4415.6	5095.1
30°	1174.4	1373.2	1656.7	1995.8	2482.2	3078.1	3778.2	4649.1	5602.2	6487.1	7359.2
27.5°	1329.2	1614.0	1986.6	2533.8	3291.7	4125.4	5352.0	6534.3	7767.7	8864.1	9778.5
25°	1510.0	1886.4	2462.5	3268.3	4293.3	5720.9	7189.2	8648.3	9974.7	11122.6	12132.9
22.5°	1743.4	2284.8	3052.8	4096.6	5692.7	7403.7	9125.5	10734.9	12149.8	13428.0	14521.6
20°	1997.4	2674.8	3771.6	5327.9	7153.2	9102.6	11046.7	12761.1	14319.0	15768.2	17000.9
17.5°	2319.2	3267.9	4656.8	6523.8	8634.2	10770.0	12812.4	14672.8	16440.3	17973.8	19261.8
15°	2593.5	3790.3	5602.9	7792.6	10075.2	12328.2	14484.4	16505.2	18342.9	19916.3	21127.1
12.5°	2959.3	4375.7	6442.9	8883.3	11356.9	13727.5	15998.8	18087.4	19957.5	21513.6	22456.2
10°	3305.1	4981.7	7254.9	9799.8	12369.6	14895.5	17320.6	19462.6	21198.9	22436.8	23240.1
7.5°	3599.1	5502.6	7915.3	10540.6	13174.3	15815.1	18269.9	20354.0	21955.0	22988.8	23548.0
5°	3818.7	5892.0	8405.6	11142.6	13845.2	16532.3	18967.9	20924.4	22308.2	23076.1	23356.9
2.5°	3958.6	6120.7	8690.0	11537.5	14294.1	16986.0	19446.7	21372.6	22546.6	23055.6	23104.0
0°	4014.5	6150.2	8733.9	11744.8	14407.2	17115.3	19582.9	21557.0	22635.2	23054.1	23045.8
-2.5°	3958.6	6120.7	8690.0	11537.5	14294.1	16986.0	19446.7	21372.6	22546.6	23055.6	23104.0
-5°	3818.7	5892.0	8405.6	11142.6	13845.2	16532.3	18967.9	20924.4	22308.2	23076.1	23356.9
-7.5°	3599.1	5502.6	7915.3	10540.6	13174.3	15815.1	18269.9	20354.0	21955.0	22988.8	23548.0
-10°	3305.1	4981.7	7254.9	9799.8	12369.6	14895.5	17320.6	19462.6	21198.9	22436.8	23240.1
-12.5°	2959.3	4375.7	6442.9	8883.3	11356.9	13727.5	15998.8	18087.4	19957.5	21513.6	22456.2
-15°	2593.5	3790.3	5602.9	7792.6	10075.2	12328.2	14484.4	16505.2	18342.9	19916.3	21127.1
-17.5°	2319.2	3267.9	4656.8	6523.8	8634.2	10770.0	12812.4	14672.8	16440.3	17973.8	19261.8
-20°	1997.4	2674.8	3771.6	5327.9	7153.2	9102.6	11046.7	12761.1	14319.0	15768.2	17000.9

Classified

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

Scaled Data Report



REPORT NUMBER: P627337 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-735-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1743.4	2284.8	3052.8	4096.6	5692.7	7403.7	9125.5	10734.9	12149.8	13428.0	14521.6
-25°	1510.0	1886.4	2462.5	3268.3	4293.3	5720.9	7189.2	8648.3	9974.7	11122.6	12132.9
-27.5°	1329.2	1614.0	1986.6	2533.8	3291.7	4125.4	5352.0	6534.3	7767.7	8864.1	9778.5
-30°	1174.4	1373.2	1656.7	1995.8	2482.2	3078.1	3778.2	4649.1	5602.2	6487.1	7359.2
-32.5°	1067.5	1198.2	1383.8	1631.0	1891.7	2296.8	2693.9	3260.9	3786.0	4415.6	5095.1
-35°	971.5	1073.1	1186.8	1347.0	1523.3	1746.5	1996.7	2323.3	2603.3	3000.6	3380.2
-37.5°	897.0	969.7	1056.0	1146.5	1271.2	1390.2	1550.6	1719.7	1873.1	2108.6	2306.7
-40°	839.7	886.8	948.9	1013.8	1093.7	1165.3	1262.4	1348.8	1445.6	1568.1	1669.2
-42.5°	792.0	828.9	864.1	912.5	963.1	1015.2	1071.4	1119.3	1182.4	1246.7	1298.5
-45°	751.7	781.4	810.1	840.3	865.7	903.8	939.2	969.6	1009.9	1046.5	1075.6
-47.5°	717.7	740.8	765.9	789.6	808.1	828.3	847.1	866.2	891.4	912.5	928.2
-50°	685.1	705.2	726.0	745.3	760.8	774.4	785.8	798.6	812.2	823.4	830.4
-52.5°	654.2	673.3	690.0	704.4	719.0	730.9	740.2	749.3	757.3	763.7	766.5
-55°	625.7	642.7	659.7	672.2	683.3	693.4	701.9	708.6	714.1	718.5	719.5
-57.5°	594.0	610.5	625.7	637.2	648.4	659.2	667.0	672.1	676.3	679.5	680.7
-60°	556.0	574.5	586.4	595.9	606.7	618.4	624.9	630.4	635.2	639.4	643.0
-62.5°	509.5	525.1	536.4	545.9	554.6	562.0	571.0	578.3	583.9	589.1	595.0
-65°	455.9	471.3	481.5	489.5	495.5	502.3	513.1	521.8	528.4	533.7	538.4
-67.5°	401.6	416.3	426.4	434.7	441.2	448.0	457.8	466.5	474.3	479.6	482.9
-70°	346.1	360.3	371.3	380.4	387.6	394.5	402.2	409.6	416.5	420.4	421.9
-72.5°	290.8	302.8	313.6	323.3	331.6	338.5	344.5	349.7	354.1	356.9	358.5
-75°	237.8	247.6	256.7	265.2	273.0	279.7	285.4	290.2	294.1	296.0	297.1
-77.5°	187.5	194.8	201.2	207.4	213.3	219.1	224.4	229.1	233.2	234.2	233.9
-80°	140.0	144.9	149.2	153.1	156.5	160.5	164.2	167.5	170.3	171.9	172.9
-82.5°	95.0	98.0	100.7	103.0	105.2	108.1	110.9	113.2	115.2	116.7	117.9
-85°	54.0	55.2	56.2	57.1	57.9	60.4	62.9	65.2	67.4	67.3	67.1
-87.5°	20.4	20.1	19.8	19.3	18.8	20.1	21.4	22.7	24.0	23.3	22.5
-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: P627337 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-735-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°	21.6	20.6	20.7	20.7	20.7	20.6	21.6	22.5	23.3	24.0	22.7
85°	66.7	66.1	64.2	62.2	64.2	66.1	66.7	67.1	67.3	67.4	65.2
82.5°	118.9	119.7	118.1	116.1	118.1	119.7	118.9	117.9	116.7	115.2	113.2
80°	173.4	173.4	171.9	170.0	171.9	173.4	173.4	172.9	171.9	170.3	167.5
77.5°	232.9	231.2	231.9	232.2	231.9	231.2	232.9	233.9	234.2	233.2	229.1
75°	297.5	297.2	296.2	294.4	296.2	297.2	297.5	297.1	296.0	294.1	290.2
72.5°	359.3	359.3	358.4	356.7	358.4	359.3	359.3	358.5	356.9	354.1	349.7
70°	422.2	421.4	422.5	423.0	422.5	421.4	422.2	421.9	420.4	416.5	409.6
67.5°	485.5	487.2	486.9	485.2	486.9	487.2	485.5	482.9	479.6	474.3	466.5
65°	542.2	545.1	546.8	547.4	546.8	545.1	542.2	538.4	533.7	528.4	521.8
62.5°	599.6	602.9	603.0	601.3	603.0	602.9	599.6	595.0	589.1	583.9	578.3
60°	645.0	645.5	644.7	642.8	644.7	645.5	645.0	643.0	639.4	635.2	630.4
57.5°	680.6	679.4	678.0	676.0	678.0	679.4	680.6	680.7	679.5	676.3	672.1
55°	719.0	717.0	715.3	713.3	715.3	717.0	719.0	719.5	718.5	714.1	708.6
52.5°	767.1	766.0	764.9	763.1	764.9	766.0	767.1	766.5	763.7	757.3	749.3
50°	834.0	835.1	835.0	833.6	835.0	835.1	834.0	830.4	823.4	812.2	798.6
47.5°	938.2	943.7	947.4	949.7	947.4	943.7	938.2	928.2	912.5	891.4	866.2
45°	1094.2	1105.3	1113.2	1119.7	1113.2	1105.3	1094.2	1075.6	1046.5	1009.9	969.6
42.5°	1335.0	1359.8	1371.6	1368.6	1371.6	1359.8	1335.0	1298.5	1246.7	1182.4	1119.3
40°	1736.6	1776.6	1798.8	1816.5	1798.8	1776.6	1736.6	1669.2	1568.1	1445.6	1348.8
37.5°	2442.0	2519.6	2560.5	2596.1	2560.5	2519.6	2442.0	2306.7	2108.6	1873.1	1719.7
35°	3663.8	3838.5	3932.1	3964.7	3932.1	3838.5	3663.8	3380.2	3000.6	2603.3	2323.3
32.5°	5623.9	5946.2	6124.5	6262.2	6124.5	5946.2	5623.9	5095.1	4415.6	3786.0	3260.9
30°	8049.7	8474.3	8710.1	8825.2	8710.1	8474.3	8049.7	7359.2	6487.1	5602.2	4649.1
27.5°	10536.4	11019.1	11273.3	11259.5	11273.3	11019.1	10536.4	9778.5	8864.1	7767.7	6534.3
25°	12999.0	13558.1	13811.4	14038.1	13811.4	13558.1	12999.0	12132.9	11122.6	9974.7	8648.3
22.5°	15489.7	16143.5	16500.2	16667.5	16500.2	16143.5	15489.7	14521.6	13428.0	12149.8	10734.9
20°	17950.8	18678.6	19057.3	19222.1	19057.3	18678.6	17950.8	17000.9	15768.2	14319.0	12761.1
17.5°	20133.6	20843.9	21204.9	21357.9	21204.9	20843.9	20133.6	19261.8	17973.8	16440.3	14672.8
15°	21876.4	22400.4	22707.4	22788.7	22707.4	22400.4	21876.4	21127.1	19916.3	18342.9	16505.2
12.5°	23081.2	23284.2	23431.8	23477.1	23431.8	23284.2	23081.2	22456.2	21513.6	19957.5	18087.4
10°	23697.1	23605.5	23567.7	23572.5	23567.7	23605.5	23697.1	23240.1	22436.8	21198.9	19462.6
7.5°	23654.7	23519.1	23246.7	23203.4	23246.7	23519.1	23654.7	23548.0	22988.8	21955.0	20354.0
5°	23314.9	23067.9	22615.9	22485.9	22615.9	23067.9	23314.9	23356.9	23076.1	22308.2	20924.4
2.5°	22918.8	22473.7	22057.2	21789.2	22057.2	22473.7	22918.8	23104.0	23055.6	22546.6	21372.6
0°	22801.1	22286.9	21747.7	21573.5	21747.7	22286.9	22801.1	23045.8	23054.1	22635.2	21557.0
-2.5°	22918.8	22473.7	22057.2	21789.2	22057.2	22473.7	22918.8	23104.0	23055.6	22546.6	21372.6
-5°	23314.9	23067.9	22615.9	22485.9	22615.9	23067.9	23314.9	23356.9	23076.1	22308.2	20924.4
-7.5°	23654.7	23519.1	23246.7	23203.4	23246.7	23519.1	23654.7	23548.0	22988.8	21955.0	20354.0
-10°	23697.1	23605.5	23567.7	23572.5	23567.7	23605.5	23697.1	23240.1	22436.8	21198.9	19462.6
-12.5°	23081.2	23284.2	23431.8	23477.1	23431.8	23284.2	23081.2	22456.2	21513.6	19957.5	18087.4
-15°	21876.4	22400.4	22707.4	22788.7	22707.4	22400.4	21876.4	21127.1	19916.3	18342.9	16505.2
-17.5°	20133.6	20843.9	21204.9	21357.9	21204.9	20843.9	20133.6	19261.8	17973.8	16440.3	14672.8
-20°	17950.8	18678.6	19057.3	19222.1	19057.3	18678.6	17950.8	17000.9	15768.2	14319.0	12761.1



REPORT NUMBER: P627337 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-735-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°	15489.7	16143.5	16500.2	16667.5	16500.2	16143.5	15489.7	14521.6	13428.0	12149.8	10734.9
-25°	12999.0	13558.1	13811.4	14038.1	13811.4	13558.1	12999.0	12132.9	11122.6	9974.7	8648.3
-27.5°	10536.4	11019.1	11273.3	11259.5	11273.3	11019.1	10536.4	9778.5	8864.1	7767.7	6534.3
-30°	8049.7	8474.3	8710.1	8825.2	8710.1	8474.3	8049.7	7359.2	6487.1	5602.2	4649.1
-32.5°	5623.9	5946.2	6124.5	6262.2	6124.5	5946.2	5623.9	5095.1	4415.6	3786.0	3260.9
-35°	3663.8	3838.5	3932.1	3964.7	3932.1	3838.5	3663.8	3380.2	3000.6	2603.3	2323.3
-37.5°	2442.0	2519.6	2560.5	2596.1	2560.5	2519.6	2442.0	2306.7	2108.6	1873.1	1719.7
-40°	1736.6	1776.6	1798.8	1816.5	1798.8	1776.6	1736.6	1669.2	1568.1	1445.6	1348.8
-42.5°	1335.0	1359.8	1371.6	1368.6	1371.6	1359.8	1335.0	1298.5	1246.7	1182.4	1119.3
-45°	1094.2	1105.3	1113.2	1119.7	1113.2	1105.3	1094.2	1075.6	1046.5	1009.9	969.6
-47.5°	938.2	943.7	947.4	949.7	947.4	943.7	938.2	928.2	912.5	891.4	866.2
-50°	834.0	835.1	835.0	833.6	835.0	835.1	834.0	830.4	823.4	812.2	798.6
-52.5°	767.1	766.0	764.9	763.1	764.9	766.0	767.1	766.5	763.7	757.3	749.3
-55°	719.0	717.0	715.3	713.3	715.3	717.0	719.0	719.5	718.5	714.1	708.6
-57.5°	680.6	679.4	678.0	676.0	678.0	679.4	680.6	680.7	679.5	676.3	672.1
-60°	645.0	645.5	644.7	642.8	644.7	645.5	645.0	643.0	639.4	635.2	630.4
-62.5°	599.6	602.9	603.0	601.3	603.0	602.9	599.6	595.0	589.1	583.9	578.3
-65°	542.2	545.1	546.8	547.4	546.8	545.1	542.2	538.4	533.7	528.4	521.8
-67.5°	485.5	487.2	486.9	485.2	486.9	487.2	485.5	482.9	479.6	474.3	466.5
-70°	422.2	421.4	422.5	423.0	422.5	421.4	422.2	421.9	420.4	416.5	409.6
-72.5°	359.3	359.3	358.4	356.7	358.4	359.3	359.3	358.5	356.9	354.1	349.7
-75°	297.5	297.2	296.2	294.4	296.2	297.2	297.5	297.1	296.0	294.1	290.2
-77.5°	232.9	231.2	231.9	232.2	231.9	231.2	232.9	233.9	234.2	233.2	229.1
-80°	173.4	173.4	171.9	170.0	171.9	173.4	173.4	172.9	171.9	170.3	167.5
-82.5°	118.9	119.7	118.1	116.1	118.1	119.7	118.9	117.9	116.7	115.2	113.2
-85°	66.7	66.1	64.2	62.2	64.2	66.1	66.7	67.1	67.3	67.4	65.2
-87.5°	21.6	20.6	20.7	20.7	20.7	20.6	21.6	22.5	23.3	24.0	22.7
-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: P627337 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-735-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°	21.4	20.1	18.8	19.3	19.8	20.1	20.4	19.8	19.1	18.4	17.6
85°	62.9	60.4	57.9	57.1	56.2	55.2	54.0	51.6	49.1	46.5	43.7
82.5°	110.9	108.1	105.2	103.0	100.7	98.0	95.0	90.4	85.8	81.1	76.4
80°	164.2	160.5	156.5	153.1	149.2	144.9	140.0	132.9	125.5	118.2	111.4
77.5°	224.4	219.1	213.3	207.4	201.2	194.8	187.5	178.6	169.5	160.1	150.5
75°	285.4	279.7	273.0	265.2	256.7	247.6	237.8	227.1	215.7	203.8	191.9
72.5°	344.5	338.5	331.6	323.3	313.6	302.8	290.8	277.6	263.7	249.2	234.9
70°	402.2	394.5	387.6	380.4	371.3	360.3	346.1	330.3	313.6	296.7	280.2
67.5°	457.8	448.0	441.2	434.7	426.4	416.3	401.6	384.5	365.7	346.1	326.6
65°	513.1	502.3	495.5	489.5	481.5	471.3	455.9	438.5	418.8	396.9	374.2
62.5°	571.0	562.0	554.6	545.9	536.4	525.1	509.5	491.3	471.3	448.4	422.1
60°	624.9	618.4	606.7	595.9	586.4	574.5	556.0	538.5	522.2	495.8	467.5
57.5°	667.0	659.2	648.4	637.2	625.7	610.5	594.0	577.4	558.5	536.2	509.9
55°	701.9	693.4	683.3	672.2	659.7	642.7	625.7	608.1	589.8	571.3	545.6
52.5°	740.2	730.9	719.0	704.4	690.0	673.3	654.2	635.4	618.4	599.4	578.4
50°	785.8	774.4	760.8	745.3	726.0	705.2	685.1	663.2	645.3	626.9	605.5
47.5°	847.1	828.3	808.1	789.6	765.9	740.8	717.7	695.1	674.0	654.1	632.2
45°	939.2	903.8	865.7	840.3	810.1	781.4	751.7	726.3	702.1	679.7	659.2
42.5°	1071.4	1015.2	963.1	912.5	864.1	828.9	792.0	760.4	731.1	704.5	680.4
40°	1262.4	1165.3	1093.7	1013.8	948.9	886.8	839.7	796.7	762.8	731.1	701.9
37.5°	1550.6	1390.2	1271.2	1146.5	1056.0	969.7	897.0	841.1	795.1	758.4	724.3
35°	1996.7	1746.5	1523.3	1347.0	1186.8	1073.1	971.5	893.2	834.3	786.3	746.6
32.5°	2693.9	2296.8	1891.7	1631.0	1383.8	1198.2	1067.5	959.6	876.3	819.2	771.5
30°	3778.2	3078.1	2482.2	1995.8	1656.7	1373.2	1174.4	1042.4	935.8	852.5	796.7
27.5°	5352.0	4125.4	3291.7	2533.8	1986.6	1614.0	1329.2	1131.0	998.4	899.0	825.6
25°	7189.2	5720.9	4293.3	3268.3	2462.5	1886.4	1510.0	1255.0	1075.9	947.6	851.0
22.5°	9125.5	7403.7	5692.7	4096.6	3052.8	2284.8	1743.4	1380.2	1149.1	999.3	887.9
20°	11046.7	9102.6	7153.2	5327.9	3771.6	2674.8	1997.4	1546.3	1251.4	1057.2	922.9
17.5°	12812.4	10770.0	8634.2	6523.8	4656.8	3267.9	2319.2	1714.2	1340.5	1108.7	953.2
15°	14484.4	12328.2	10075.2	7792.6	5602.9	3790.3	2593.5	1860.4	1433.3	1168.6	992.8
12.5°	15998.8	13727.5	11356.9	8883.3	6442.9	4375.7	2959.3	2076.0	1547.2	1230.7	1030.3
10°	17320.6	14895.5	12369.6	9799.8	7254.9	4981.7	3305.1	2259.9	1645.8	1282.1	1060.9
7.5°	18269.9	15815.1	13174.3	10540.6	7915.3	5502.6	3599.1	2405.5	1723.3	1321.6	1084.4
5°	18967.9	16532.3	13845.2	11142.6	8405.6	5892.0	3818.7	2507.9	1778.7	1348.8	1100.8
2.5°	19446.7	16986.0	14294.1	11537.5	8690.0	6120.7	3958.6	2562.9	1804.9	1370.2	1109.8
0°	19582.9	17115.3	14407.2	11744.8	8733.9	6150.2	4014.5	2571.2	1804.0	1381.0	1111.4
-2.5°	19446.7	16986.0	14294.1	11537.5	8690.0	6120.7	3958.6	2562.9	1804.9	1370.2	1109.8
-5°	18967.9	16532.3	13845.2	11142.6	8405.6	5892.0	3818.7	2507.9	1778.7	1348.8	1100.8
-7.5°	18269.9	15815.1	13174.3	10540.6	7915.3	5502.6	3599.1	2405.5	1723.3	1321.6	1084.4
-10°	17320.6	14895.5	12369.6	9799.8	7254.9	4981.7	3305.1	2259.9	1645.8	1282.1	1060.9
-12.5°	15998.8	13727.5	11356.9	8883.3	6442.9	4375.7	2959.3	2076.0	1547.2	1230.7	1030.3
-15°	14484.4	12328.2	10075.2	7792.6	5602.9	3790.3	2593.5	1860.4	1433.3	1168.6	992.8
-17.5°	12812.4	10770.0	8634.2	6523.8	4656.8	3267.9	2319.2	1714.2	1340.5	1108.7	953.2
-20°	11046.7	9102.6	7153.2	5327.9	3771.6	2674.8	1997.4	1546.3	1251.4	1057.2	922.9



REPORT NUMBER: P627337 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-735-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9125.5	7403.7	5692.7	4096.6	3052.8	2284.8	1743.4	1380.2	1149.1	999.3	887.9
-25°	7189.2	5720.9	4293.3	3268.3	2462.5	1886.4	1510.0	1255.0	1075.9	947.6	851.0
-27.5°	5352.0	4125.4	3291.7	2533.8	1986.6	1614.0	1329.2	1131.0	998.4	899.0	825.6
-30°	3778.2	3078.1	2482.2	1995.8	1656.7	1373.2	1174.4	1042.4	935.8	852.5	796.7
-32.5°	2693.9	2296.8	1891.7	1631.0	1383.8	1198.2	1067.5	959.6	876.3	819.2	771.5
-35°	1996.7	1746.5	1523.3	1347.0	1186.8	1073.1	971.5	893.2	834.3	786.3	746.6
-37.5°	1550.6	1390.2	1271.2	1146.5	1056.0	969.7	897.0	841.1	795.1	758.4	724.3
-40°	1262.4	1165.3	1093.7	1013.8	948.9	886.8	839.7	796.7	762.8	731.1	701.9
-42.5°	1071.4	1015.2	963.1	912.5	864.1	828.9	792.0	760.4	731.1	704.5	680.4
-45°	939.2	903.8	865.7	840.3	810.1	781.4	751.7	726.3	702.1	679.7	659.2
-47.5°	847.1	828.3	808.1	789.6	765.9	740.8	717.7	695.1	674.0	654.1	632.2
-50°	785.8	774.4	760.8	745.3	726.0	705.2	685.1	663.2	645.3	626.9	605.5
-52.5°	740.2	730.9	719.0	704.4	690.0	673.3	654.2	635.4	618.4	599.4	578.4
-55°	701.9	693.4	683.3	672.2	659.7	642.7	625.7	608.1	589.8	571.3	545.6
-57.5°	667.0	659.2	648.4	637.2	625.7	610.5	594.0	577.4	558.5	536.2	509.9
-60°	624.9	618.4	606.7	595.9	586.4	574.5	556.0	538.5	522.2	495.8	467.5
-62.5°	571.0	562.0	554.6	545.9	536.4	525.1	509.5	491.3	471.3	448.4	422.1
-65°	513.1	502.3	495.5	489.5	481.5	471.3	455.9	438.5	418.8	396.9	374.2
-67.5°	457.8	448.0	441.2	434.7	426.4	416.3	401.6	384.5	365.7	346.1	326.6
-70°	402.2	394.5	387.6	380.4	371.3	360.3	346.1	330.3	313.6	296.7	280.2
-72.5°	344.5	338.5	331.6	323.3	313.6	302.8	290.8	277.6	263.7	249.2	234.9
-75°	285.4	279.7	273.0	265.2	256.7	247.6	237.8	227.1	215.7	203.8	191.9
-77.5°	224.4	219.1	213.3	207.4	201.2	194.8	187.5	178.6	169.5	160.1	150.5
-80°	164.2	160.5	156.5	153.1	149.2	144.9	140.0	132.9	125.5	118.2	111.4
-82.5°	110.9	108.1	105.2	103.0	100.7	98.0	95.0	90.4	85.8	81.1	76.4
-85°	62.9	60.4	57.9	57.1	56.2	55.2	54.0	51.6	49.1	46.5	43.7
-87.5°	21.4	20.1	18.8	19.3	19.8	20.1	20.4	19.8	19.1	18.4	17.6
-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: P627337 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-735-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°	16.8	16.0	15.2	14.3	13.4	12.4	11.5	10.5	9.1	7.8	6.5
85°	40.9	37.9	34.8	31.6	28.2	24.9	23.0	21.0	18.2	15.6	13.0
82.5°	71.7	67.1	62.4	57.5	52.0	46.5	41.1	35.8	30.0	23.8	19.5
80°	105.1	98.6	91.8	84.6	76.5	68.0	60.5	53.2	46.1	38.5	30.5
77.5°	141.4	131.8	122.0	112.9	103.5	93.5	82.8	71.8	62.1	53.2	43.7
75°	180.0	168.5	156.6	144.4	131.8	119.0	106.8	94.0	81.2	68.1	56.8
72.5°	221.1	206.8	191.9	176.7	162.0	146.9	131.5	116.0	101.1	85.9	70.5
70°	263.3	245.8	228.5	211.3	193.4	174.7	157.1	138.9	120.8	103.4	85.9
67.5°	306.5	286.7	266.3	246.1	226.1	205.2	183.0	161.7	141.1	120.8	101.1
65°	351.7	328.4	304.5	281.5	258.7	235.7	211.5	185.0	160.9	138.2	116.0
62.5°	396.3	370.8	343.9	316.6	290.6	265.2	239.5	210.0	180.9	155.3	130.7
60°	439.4	410.9	382.0	351.8	322.2	293.8	265.2	234.4	202.6	171.9	145.1
57.5°	479.1	449.0	416.8	385.0	353.1	321.6	290.0	257.3	223.7	189.9	159.1
55°	516.3	483.6	449.9	415.5	382.1	348.5	314.2	279.3	244.0	207.9	172.7
52.5°	551.2	517.1	481.3	444.8	408.6	373.9	337.8	300.7	263.2	225.2	187.7
50°	581.7	549.6	511.8	473.2	434.0	397.4	360.6	321.4	281.9	241.9	202.4
47.5°	607.3	577.9	541.3	500.7	459.4	420.3	382.0	341.5	299.8	257.8	216.5
45°	632.4	604.0	568.6	527.1	484.6	443.2	402.5	360.7	317.1	273.2	229.9
42.5°	655.8	627.5	594.4	552.5	508.6	465.3	422.5	378.9	333.7	287.9	242.7
40°	675.8	648.1	618.8	577.0	531.2	486.1	441.5	396.4	349.5	301.8	254.8
37.5°	695.3	666.9	636.7	600.0	552.4	505.6	459.3	413.2	364.8	315.3	266.2
35°	714.1	684.7	652.8	617.9	572.2	523.7	476.0	428.9	379.0	328.2	276.8
32.5°	731.0	700.7	667.5	632.4	590.4	540.5	491.4	442.7	392.3	340.4	286.7
30°	751.0	714.2	680.9	646.6	606.0	555.9	505.6	455.6	404.6	351.9	296.0
27.5°	770.3	727.2	692.8	658.4	618.2	569.9	518.8	467.5	415.7	362.4	305.2
25°	788.8	742.0	703.8	668.3	630.0	583.3	530.9	478.4	425.6	371.5	313.7
22.5°	810.2	755.6	714.2	676.8	641.2	595.3	541.9	488.2	434.4	379.7	321.5
20°	829.2	766.7	723.8	684.9	649.6	604.5	551.7	497.0	442.2	386.9	328.5
17.5°	847.7	779.4	733.1	692.7	655.9	612.5	560.2	504.7	449.1	393.2	334.8
15°	873.5	794.0	741.2	699.4	661.2	619.3	567.6	511.3	455.0	398.5	340.4
12.5°	895.5	806.1	747.9	704.8	665.5	624.9	573.7	516.8	459.9	403.2	345.3
10°	913.4	815.8	753.1	709.0	668.8	629.3	578.5	521.4	464.4	407.4	349.4
7.5°	927.0	823.1	756.9	712.0	671.1	632.6	583.0	525.5	468.1	410.6	352.6
5°	936.3	827.8	760.0	713.7	672.4	634.5	586.3	528.4	470.7	412.9	354.9
2.5°	941.1	829.9	762.3	714.1	672.6	635.1	588.2	530.2	472.3	414.2	356.2
0°	941.4	829.4	763.1	713.3	671.8	634.5	588.9	530.8	472.8	414.7	356.7
-2.5°	941.1	829.9	762.3	714.1	672.6	635.1	588.2	530.2	472.3	414.2	356.2
-5°	936.3	827.8	760.0	713.7	672.4	634.5	586.3	528.4	470.7	412.9	354.9
-7.5°	927.0	823.1	756.9	712.0	671.1	632.6	583.0	525.5	468.1	410.6	352.6
-10°	913.4	815.8	753.1	709.0	668.8	629.3	578.5	521.4	464.4	407.4	349.4
-12.5°	895.5	806.1	747.9	704.8	665.5	624.9	573.7	516.8	459.9	403.2	345.3
-15°	873.5	794.0	741.2	699.4	661.2	619.3	567.6	511.3	455.0	398.5	340.4
-17.5°	847.7	779.4	733.1	692.7	655.9	612.5	560.2	504.7	449.1	393.2	334.8
-20°	829.2	766.7	723.8	684.9	649.6	604.5	551.7	497.0	442.2	386.9	328.5

Classified

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
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Scaled Data Report



REPORT NUMBER: P627337 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-735-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	810.2	755.6	714.2	676.8	641.2	595.3	541.9	488.2	434.4	379.7	321.5
-25°	788.8	742.0	703.8	668.3	630.0	583.3	530.9	478.4	425.6	371.5	313.7
-27.5°	770.3	727.2	692.8	658.4	618.2	569.9	518.8	467.5	415.7	362.4	305.2
-30°	751.0	714.2	680.9	646.6	606.0	555.9	505.6	455.6	404.6	351.9	296.0
-32.5°	731.0	700.7	667.5	632.4	590.4	540.5	491.4	442.7	392.3	340.4	286.7
-35°	714.1	684.7	652.8	617.9	572.2	523.7	476.0	428.9	379.0	328.2	276.8
-37.5°	695.3	666.9	636.7	600.0	552.4	505.6	459.3	413.2	364.8	315.3	266.2
-40°	675.8	648.1	618.8	577.0	531.2	486.1	441.5	396.4	349.5	301.8	254.8
-42.5°	655.8	627.5	594.4	552.5	508.6	465.3	422.5	378.9	333.7	287.9	242.7
-45°	632.4	604.0	568.6	527.1	484.6	443.2	402.5	360.7	317.1	273.2	229.9
-47.5°	607.3	577.9	541.3	500.7	459.4	420.3	382.0	341.5	299.8	257.8	216.5
-50°	581.7	549.6	511.8	473.2	434.0	397.4	360.6	321.4	281.9	241.9	202.4
-52.5°	551.2	517.1	481.3	444.8	408.6	373.9	337.8	300.7	263.2	225.2	187.7
-55°	516.3	483.6	449.9	415.5	382.1	348.5	314.2	279.3	244.0	207.9	172.7
-57.5°	479.1	449.0	416.8	385.0	353.1	321.6	290.0	257.3	223.7	189.9	159.1
-60°	439.4	410.9	382.0	351.8	322.2	293.8	265.2	234.4	202.6	171.9	145.1
-62.5°	396.3	370.8	343.9	316.6	290.6	265.2	239.5	210.0	180.9	155.3	130.7
-65°	351.7	328.4	304.5	281.5	258.7	235.7	211.5	185.0	160.9	138.2	116.0
-67.5°	306.5	286.7	266.3	246.1	226.1	205.2	183.0	161.7	141.1	120.8	101.1
-70°	263.3	245.8	228.5	211.3	193.4	174.7	157.1	138.9	120.8	103.4	85.9
-72.5°	221.1	206.8	191.9	176.7	162.0	146.9	131.5	116.0	101.1	85.9	70.5
-75°	180.0	168.5	156.6	144.4	131.8	119.0	106.8	94.0	81.2	68.1	56.8
-77.5°	141.4	131.8	122.0	112.9	103.5	93.5	82.8	71.8	62.1	53.2	43.7
-80°	105.1	98.6	91.8	84.6	76.5	68.0	60.5	53.2	46.1	38.5	30.5
-82.5°	71.7	67.1	62.4	57.5	52.0	46.5	41.1	35.8	30.0	23.8	19.5
-85°	40.9	37.9	34.8	31.6	28.2	24.9	23.0	21.0	18.2	15.6	13.0
-87.5°	16.8	16.0	15.2	14.3	13.4	12.4	11.5	10.5	9.1	7.8	6.5
-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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REPORT NUMBER: P627337 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-735-U-MWR-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°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
85°	10.7	8.9	7.2	5.4	3.6	1.8	0.0
82.5°	16.0	13.4	10.8	8.1	5.4	2.7	0.0
80°	22.1	17.8	14.3	10.8	7.2	3.6	0.0
77.5°	33.7	24.1	17.8	13.4	8.9	4.5	0.0
75°	45.2	33.7	22.1	16.0	10.7	5.4	0.0
72.5°	56.6	43.2	29.7	18.6	12.4	6.2	0.0
70°	68.1	52.6	37.2	21.8	14.1	7.1	0.0
67.5°	81.0	61.9	44.7	27.3	15.8	7.9	0.0
65°	93.7	71.6	51.9	32.8	17.5	8.7	0.0
62.5°	106.1	81.8	59.1	38.2	19.1	9.6	0.0
60°	118.1	91.7	66.1	43.4	20.7	10.3	0.0
57.5°	130.2	101.3	73.6	48.5	24.0	11.1	0.0
55°	142.0	110.7	81.0	53.5	27.3	11.9	0.0
52.5°	153.6	119.8	88.2	58.3	30.4	12.6	0.0
50°	164.8	129.2	95.0	63.0	33.4	13.3	0.0
47.5°	175.9	138.4	101.6	67.6	36.3	14.0	0.0
45°	187.4	147.2	107.9	72.3	39.1	14.6	0.0
42.5°	198.3	155.7	113.9	76.8	41.7	15.3	0.0
40°	208.7	163.8	120.0	80.9	44.2	15.9	0.0
37.5°	218.4	171.6	126.2	84.8	46.5	16.4	0.0
35°	227.6	179.2	132.1	88.5	48.7	17.0	0.0
32.5°	236.1	186.4	137.6	91.9	50.7	17.5	0.0
30°	244.0	193.0	142.8	95.0	52.6	17.9	0.0
27.5°	251.3	199.1	147.4	97.9	54.3	18.4	0.0
25°	257.8	204.7	151.6	100.6	55.9	18.8	0.0
22.5°	263.8	209.7	155.4	102.9	57.2	19.1	0.0
20°	269.0	213.9	158.8	105.1	58.4	19.5	0.0
17.5°	273.7	217.6	161.7	106.9	59.5	19.7	0.0
15°	278.0	220.8	164.2	108.5	60.4	20.0	0.0
12.5°	281.6	223.4	166.3	109.8	61.1	20.2	0.0
10°	284.7	225.4	167.9	110.8	61.6	20.4	0.0
7.5°	287.1	226.9	169.1	111.5	62.0	20.5	0.0
5°	288.9	227.9	169.8	112.0	62.2	20.6	0.0
2.5°	289.9	228.3	170.1	112.1	62.3	20.7	0.0
0°	290.3	228.1	170.0	112.0	62.2	20.7	0.0
-2.5°	289.9	228.3	170.1	112.1	62.3	20.7	0.0
-5°	288.9	227.9	169.8	112.0	62.2	20.6	0.0
-7.5°	287.1	226.9	169.1	111.5	62.0	20.5	0.0
-10°	284.7	225.4	167.9	110.8	61.6	20.4	0.0
-12.5°	281.6	223.4	166.3	109.8	61.1	20.2	0.0
-15°	278.0	220.8	164.2	108.5	60.4	20.0	0.0
-17.5°	273.7	217.6	161.7	106.9	59.5	19.7	0.0
-20°	269.0	213.9	158.8	105.1	58.4	19.5	0.0

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CATALOG NUMBER: GFLD-SA4B-735-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	263.8	209.7	155.4	102.9	57.2	19.1	0.0
-25°	257.8	204.7	151.6	100.6	55.9	18.8	0.0
-27.5°	251.3	199.1	147.4	97.9	54.3	18.4	0.0
-30°	244.0	193.0	142.8	95.0	52.6	17.9	0.0
-32.5°	236.1	186.4	137.6	91.9	50.7	17.5	0.0
-35°	227.6	179.2	132.1	88.5	48.7	17.0	0.0
-37.5°	218.4	171.6	126.2	84.8	46.5	16.4	0.0
-40°	208.7	163.8	120.0	80.9	44.2	15.9	0.0
-42.5°	198.3	155.7	113.9	76.8	41.7	15.3	0.0
-45°	187.4	147.2	107.9	72.3	39.1	14.6	0.0
-47.5°	175.9	138.4	101.6	67.6	36.3	14.0	0.0
-50°	164.8	129.2	95.0	63.0	33.4	13.3	0.0
-52.5°	153.6	119.8	88.2	58.3	30.4	12.6	0.0
-55°	142.0	110.7	81.0	53.5	27.3	11.9	0.0
-57.5°	130.2	101.3	73.6	48.5	24.0	11.1	0.0
-60°	118.1	91.7	66.1	43.4	20.7	10.3	0.0
-62.5°	106.1	81.8	59.1	38.2	19.1	9.6	0.0
-65°	93.7	71.6	51.9	32.8	17.5	8.7	0.0
-67.5°	81.0	61.9	44.7	27.3	15.8	7.9	0.0
-70°	68.1	52.6	37.2	21.8	14.1	7.1	0.0
-72.5°	56.6	43.2	29.7	18.6	12.4	6.2	0.0
-75°	45.2	33.7	22.1	16.0	10.7	5.4	0.0
-77.5°	33.7	24.1	17.8	13.4	8.9	4.5	0.0
-80°	22.1	17.8	14.3	10.8	7.2	3.6	0.0
-82.5°	16.0	13.4	10.8	8.1	5.4	2.7	0.0
-85°	10.7	8.9	7.2	5.4	3.6	1.8	0.0
-87.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)