

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: P627377 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4C-727-U-MWR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627377 (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-SA4C-727-U-MWR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N88
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

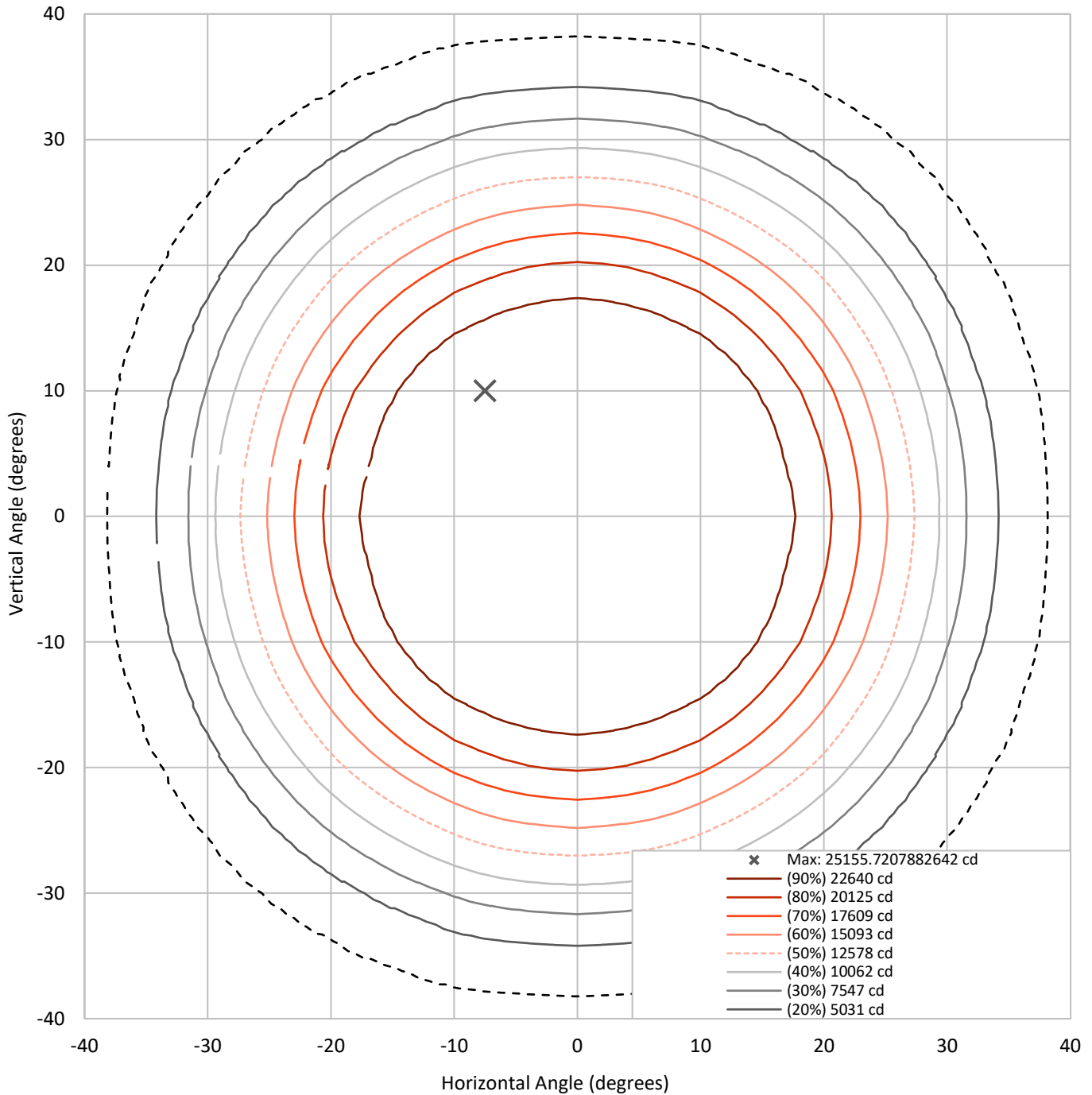
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	21409.9 lumens	Max Intensity:	25155.7 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 10°V
Efficacy:	127.3 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:	14210.6 lumens	Field Lumens:	18477.9 lumens
Beam Efficiency:	66.4%	Field Efficiency:	86.3%
Input Watts (W):	168.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





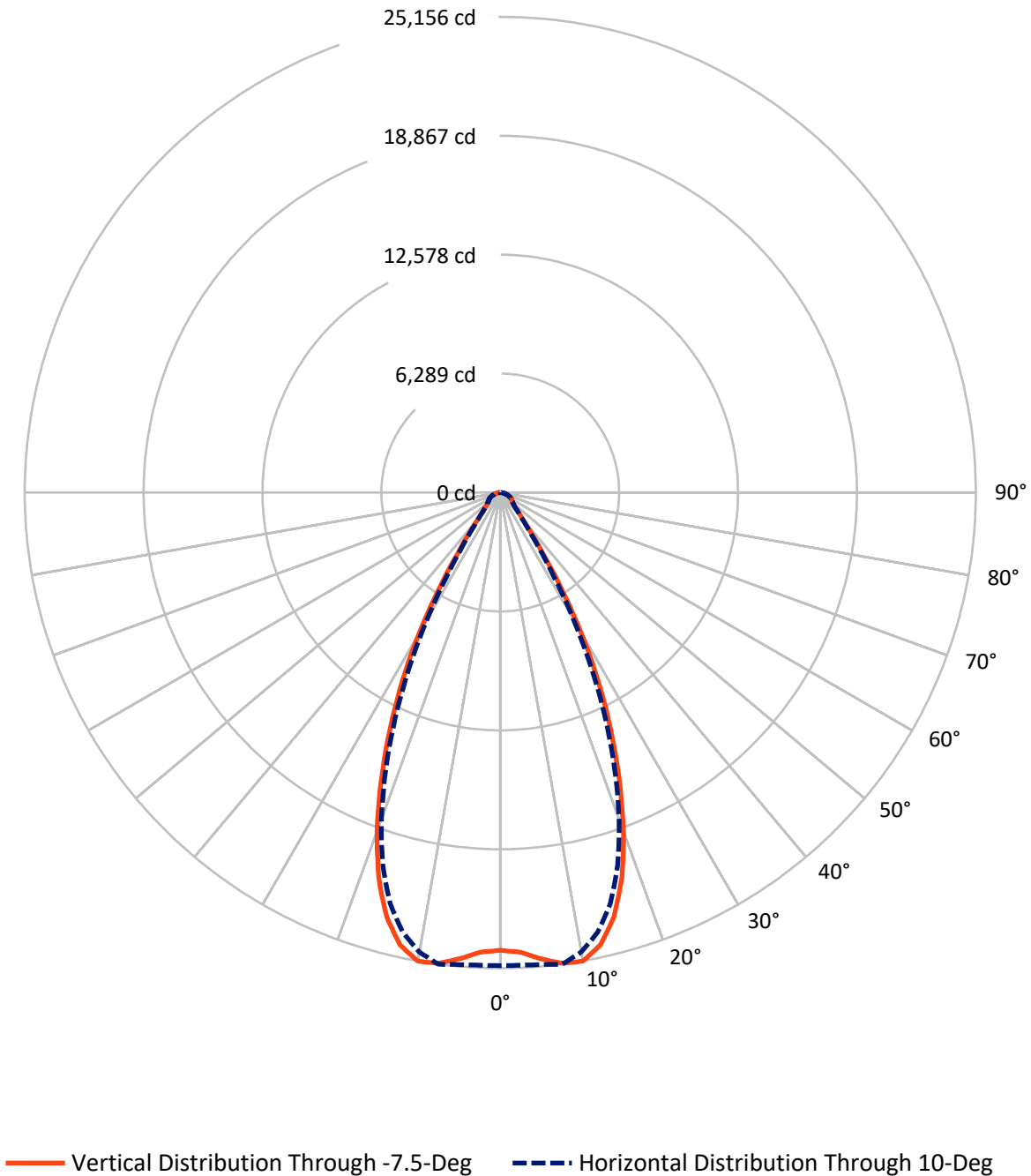
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Lumen Table

90																			
80	0.6	5.0		13.4		21.3		23.7		21.3		13.4		5.0		0.6			
70																			
60	2.3	2.6	5.3	8.6	12.0	14.6	16.4	17.4	17.4	16.4	14.6	12.0	8.6	5.3	2.6	2.3			
50		3.9	7.7	12.4	16.5	20.0	22.4	23.3	23.3	22.4	20.0	16.5	12.4	7.7	3.9				
40	4.0	5.0	9.8	15.0	20.1	26.2	32.9	37.8	37.8	32.9	26.2	20.1	15.0	9.8	5.0	4.0			
30		5.9	11.4	17.2	26.7	48.7	93.1	138.1	138.1	93.1	48.7	26.7	17.2	11.4	5.9				
20	5.2	6.6	12.4	20.1	43.9	137.4	308.3	430.6	430.6	308.3	137.4	43.9	20.1	12.4	6.6	5.2			
10		7.0	13.0	23.9	79.3	293.0	559.5	700.3	700.3	559.5	293.0	79.3	23.9	13.0	7.0				
0	5.6	7.3	13.4	26.9	114.1	401.0	678.8	738.6	738.6	678.8	401.0	114.1	26.9	13.4	7.3	5.6			
-10		7.3	13.4	26.9	114.1	401.0	678.8	738.6	738.6	678.8	401.0	114.1	26.9	13.4	7.3				
-20	5.2	7.0	13.0	23.9	79.3	293.0	559.5	700.3	700.3	559.5	293.0	79.3	23.9	13.0	7.0	5.2			
-30		6.6	12.4	20.1	43.9	137.4	308.3	430.6	430.6	308.3	137.4	43.9	20.1	12.4	6.6				
-40	4.0	5.9	11.4	17.2	26.7	48.7	93.1	138.1	138.1	93.1	48.7	26.7	17.2	11.4	5.9	4.0			
-50		5.0	9.8	15.0	20.1	26.2	32.9	37.8	37.8	32.9	26.2	20.1	15.0	9.8	5.0				
-60	2.3	3.9	7.7	12.4	16.5	20.0	22.4	23.3	23.3	22.4	20.0	16.5	12.4	7.7	3.9	2.3			
-70		2.6	5.3	8.6	12.0	14.6	16.4	17.4	17.4	16.4	14.6	12.0	8.6	5.3	2.6				
-80	0.6	5.0		13.4		21.3		23.7		21.3		13.4		5.0		0.6			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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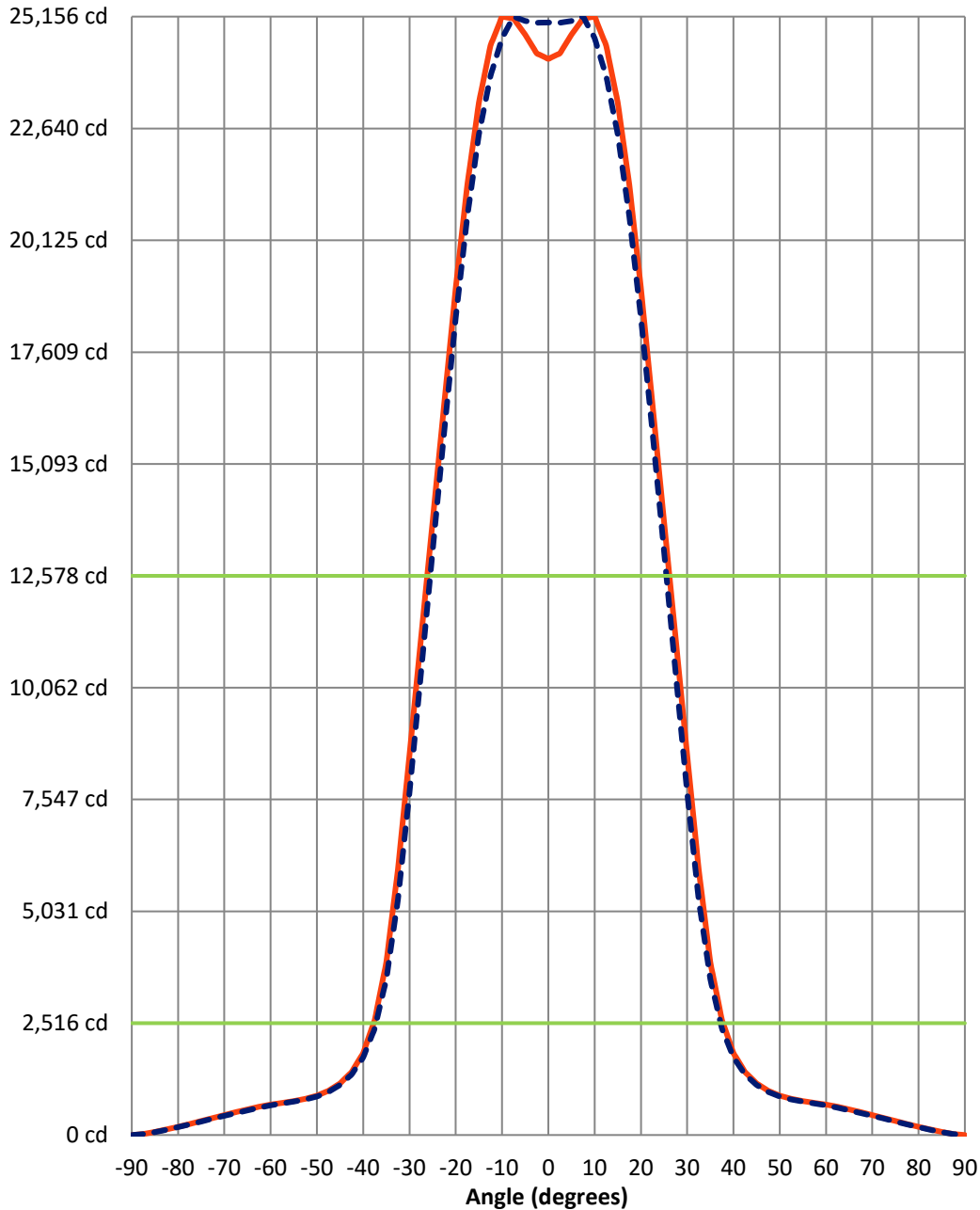
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 51°
 V Angle: 52.3°
 Lumens: 14210.6
 Efficiency: 66.4%

Field:
 H Angle: 74.5°
 V Angle: 75.5°
 Lumens: 18477.9
 Efficiency: 86.3%

Spill:
 Lumens: 2932
 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	1.0	1.9	2.9	3.8	4.8	5.7	6.9	8.3	9.7	11.2
85°	0.0	1.9	3.8	5.7	7.6	9.5	11.4	13.9	16.5	19.3	22.3
82.5°	0.0	2.9	5.7	8.6	11.4	14.2	17.0	20.7	25.2	31.8	38.0
80°	0.0	3.8	7.6	11.4	15.2	19.0	23.5	32.3	40.8	48.9	56.4
77.5°	0.0	4.8	9.5	14.2	19.0	25.6	35.8	46.3	56.4	65.9	76.1
75°	0.0	5.7	11.4	17.0	23.5	35.8	48.0	60.2	72.2	86.1	99.7
72.5°	0.0	6.6	13.2	19.8	31.5	45.8	60.0	74.7	91.1	107.3	123.1
70°	0.0	7.5	15.0	23.1	39.5	55.8	72.2	91.1	109.8	128.2	147.5
67.5°	0.0	8.4	16.8	29.0	47.4	65.6	86.0	107.3	128.2	149.7	171.7
65°	0.0	9.3	18.6	34.8	55.1	75.9	99.4	123.1	146.7	170.8	196.4
62.5°	0.0	10.2	20.3	40.5	62.6	86.8	112.6	138.8	164.8	192.0	222.9
60°	0.0	11.0	22.0	46.0	70.0	97.3	125.4	154.0	182.4	215.1	248.7
57.5°	0.0	11.8	25.5	51.5	78.1	107.6	138.2	168.8	201.6	237.4	273.1
55°	0.0	12.6	29.0	56.7	86.0	117.5	150.8	183.3	220.6	258.9	296.5
52.5°	0.0	13.4	32.3	61.8	93.6	127.2	163.0	199.3	239.0	279.4	319.2
50°	0.0	14.1	35.5	66.8	100.9	137.2	175.0	214.8	256.7	299.2	341.2
47.5°	0.0	14.9	38.5	71.7	107.9	146.9	186.7	229.8	273.7	318.3	362.5
45°	0.0	15.6	41.5	76.7	114.6	156.2	198.9	244.0	290.0	336.6	382.9
42.5°	0.0	16.2	44.3	81.5	121.0	165.3	210.5	257.6	305.6	354.2	402.2
40°	0.0	16.9	46.9	85.9	127.5	173.9	221.5	270.5	320.4	371.0	420.8
37.5°	0.0	17.5	49.4	90.0	134.0	182.2	231.8	282.6	334.8	387.2	438.6
35°	0.0	18.0	51.7	93.9	140.2	190.2	241.6	293.9	348.4	402.4	455.3
32.5°	0.0	18.6	53.8	97.5	146.1	197.8	250.6	304.4	361.4	416.4	469.9
30°	0.0	19.1	55.8	100.9	151.6	204.9	259.0	314.3	373.6	429.4	483.6
27.5°	0.0	19.5	57.6	103.9	156.5	211.4	266.7	324.0	384.7	441.3	496.3
25°	0.0	19.9	59.3	106.8	161.0	217.3	273.7	333.1	394.4	451.8	507.8
22.5°	0.0	20.3	60.7	109.3	165.0	222.6	280.0	341.3	403.0	461.1	518.3
20°	0.0	20.7	62.0	111.5	168.5	227.1	285.6	348.7	410.7	469.4	527.6
17.5°	0.0	21.0	63.1	113.5	171.7	231.0	290.6	355.4	417.4	476.7	535.8
15°	0.0	21.2	64.1	115.2	174.3	234.3	295.1	361.3	423.0	483.0	542.8
12.5°	0.0	21.5	64.8	116.6	176.5	237.1	299.0	366.6	428.0	488.2	548.6
10°	0.0	21.7	65.4	117.6	178.3	239.3	302.3	370.9	432.4	493.0	553.5
7.5°	0.0	21.8	65.8	118.4	179.5	240.9	304.8	374.2	435.8	496.9	557.9
5°	0.0	21.9	66.0	118.9	180.3	241.9	306.7	376.7	438.2	499.7	561.0
2.5°	0.0	22.0	66.1	119.0	180.7	242.3	307.8	378.1	439.7	501.3	562.9
0°	0.0	22.0	66.0	118.9	180.5	242.1	308.2	378.6	440.2	501.9	563.5
-2.5°	0.0	22.0	66.1	119.0	180.7	242.3	307.8	378.1	439.7	501.3	562.9
-5°	0.0	21.9	66.0	118.9	180.3	241.9	306.7	376.7	438.2	499.7	561.0
-7.5°	0.0	21.8	65.8	118.4	179.5	240.9	304.8	374.2	435.8	496.9	557.9
-10°	0.0	21.7	65.4	117.6	178.3	239.3	302.3	370.9	432.4	493.0	553.5
-12.5°	0.0	21.5	64.8	116.6	176.5	237.1	299.0	366.6	428.0	488.2	548.6
-15°	0.0	21.2	64.1	115.2	174.3	234.3	295.1	361.3	423.0	483.0	542.8
-17.5°	0.0	21.0	63.1	113.5	171.7	231.0	290.6	355.4	417.4	476.7	535.8
-20°	0.0	20.7	62.0	111.5	168.5	227.1	285.6	348.7	410.7	469.4	527.6

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Scaled Data Report



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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	20.3	60.7	109.3	165.0	222.6	280.0	341.3	403.0	461.1	518.3
-25°	0.0	19.9	59.3	106.8	161.0	217.3	273.7	333.1	394.4	451.8	507.8
-27.5°	0.0	19.5	57.6	103.9	156.5	211.4	266.7	324.0	384.7	441.3	496.3
-30°	0.0	19.1	55.8	100.9	151.6	204.9	259.0	314.3	373.6	429.4	483.6
-32.5°	0.0	18.6	53.8	97.5	146.1	197.8	250.6	304.4	361.4	416.4	469.9
-35°	0.0	18.0	51.7	93.9	140.2	190.2	241.6	293.9	348.4	402.4	455.3
-37.5°	0.0	17.5	49.4	90.0	134.0	182.2	231.8	282.6	334.8	387.2	438.6
-40°	0.0	16.9	46.9	85.9	127.5	173.9	221.5	270.5	320.4	371.0	420.8
-42.5°	0.0	16.2	44.3	81.5	121.0	165.3	210.5	257.6	305.6	354.2	402.2
-45°	0.0	15.6	41.5	76.7	114.6	156.2	198.9	244.0	290.0	336.6	382.9
-47.5°	0.0	14.9	38.5	71.7	107.9	146.9	186.7	229.8	273.7	318.3	362.5
-50°	0.0	14.1	35.5	66.8	100.9	137.2	175.0	214.8	256.7	299.2	341.2
-52.5°	0.0	13.4	32.3	61.8	93.6	127.2	163.0	199.3	239.0	279.4	319.2
-55°	0.0	12.6	29.0	56.7	86.0	117.5	150.8	183.3	220.6	258.9	296.5
-57.5°	0.0	11.8	25.5	51.5	78.1	107.6	138.2	168.8	201.6	237.4	273.1
-60°	0.0	11.0	22.0	46.0	70.0	97.3	125.4	154.0	182.4	215.1	248.7
-62.5°	0.0	10.2	20.3	40.5	62.6	86.8	112.6	138.8	164.8	192.0	222.9
-65°	0.0	9.3	18.6	34.8	55.1	75.9	99.4	123.1	146.7	170.8	196.4
-67.5°	0.0	8.4	16.8	29.0	47.4	65.6	86.0	107.3	128.2	149.7	171.7
-70°	0.0	7.5	15.0	23.1	39.5	55.8	72.2	91.1	109.8	128.2	147.5
-72.5°	0.0	6.6	13.2	19.8	31.5	45.8	60.0	74.7	91.1	107.3	123.1
-75°	0.0	5.7	11.4	17.0	23.5	35.8	48.0	60.2	72.2	86.1	99.7
-77.5°	0.0	4.8	9.5	14.2	19.0	25.6	35.8	46.3	56.4	65.9	76.1
-80°	0.0	3.8	7.6	11.4	15.2	19.0	23.5	32.3	40.8	48.9	56.4
-82.5°	0.0	2.9	5.7	8.6	11.4	14.2	17.0	20.7	25.2	31.8	38.0
-85°	0.0	1.9	3.8	5.7	7.6	9.5	11.4	13.9	16.5	19.3	22.3
-87.5°	0.0	1.0	1.9	2.9	3.8	4.8	5.7	6.9	8.3	9.7	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



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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°	12.2	13.2	14.2	15.1	16.1	17.0	17.8	18.7	19.5	20.2	20.9
85°	24.4	26.4	29.9	33.5	36.9	40.2	43.4	46.4	49.3	52.1	54.8
82.5°	43.6	49.3	55.1	61.1	66.2	71.2	76.0	81.1	86.1	91.0	96.0
80°	64.1	72.1	81.2	89.8	97.4	104.6	111.6	118.2	125.5	133.3	141.1
77.5°	87.9	99.2	109.9	119.9	129.5	140.0	150.1	159.8	170.0	180.0	189.5
75°	113.3	126.3	139.9	153.3	166.3	178.9	191.2	203.7	216.4	229.0	241.0
72.5°	139.6	156.0	172.0	187.6	203.8	219.5	234.7	249.4	264.5	280.0	294.7
70°	166.8	185.5	205.3	224.4	242.6	260.9	279.5	297.5	315.0	332.9	350.6
67.5°	194.3	217.8	240.0	261.2	282.7	304.4	325.3	346.7	367.4	388.3	408.1
65°	224.5	250.2	274.6	298.8	323.2	348.6	373.4	397.2	421.3	444.6	465.5
62.5°	254.2	281.5	308.5	336.1	365.1	393.6	420.7	448.1	476.1	500.4	521.6
60°	281.5	311.8	342.0	373.4	405.5	436.2	466.6	496.4	526.4	554.4	571.6
57.5°	307.9	341.4	374.8	408.7	442.5	476.8	508.6	541.3	569.2	592.8	612.9
55°	333.6	370.0	405.6	441.1	477.6	513.4	548.0	579.1	606.4	626.1	645.5
52.5°	358.5	396.9	433.7	472.2	510.9	548.9	585.1	613.9	636.3	656.5	674.5
50°	382.8	421.8	460.7	502.3	543.2	583.4	617.4	642.8	665.5	685.1	704.0
47.5°	405.5	446.2	487.7	531.5	574.5	613.4	644.7	671.2	694.4	715.5	737.9
45°	427.3	470.5	514.4	559.5	603.5	641.1	671.3	699.8	721.5	745.4	771.0
42.5°	448.5	493.9	539.8	586.5	631.0	666.1	696.2	722.3	747.9	776.1	807.2
40°	468.7	516.0	563.9	612.5	656.9	688.0	717.4	745.1	776.1	809.8	845.7
37.5°	487.6	536.7	586.4	637.0	675.9	707.9	738.1	768.9	805.0	844.0	892.8
35°	505.3	556.0	607.4	655.9	692.9	726.9	758.1	792.5	834.7	885.6	948.1
32.5°	521.6	573.8	626.8	671.3	708.6	743.9	776.0	819.0	869.6	930.2	1018.7
30°	536.7	590.1	643.4	686.3	722.8	758.2	797.3	845.7	904.9	993.4	1106.6
27.5°	550.7	605.0	656.3	698.9	735.4	771.9	817.7	876.4	954.4	1059.9	1200.6
25°	563.6	619.2	668.7	709.4	747.1	787.6	837.4	903.3	1005.9	1142.2	1332.3
22.5°	575.2	632.0	680.6	718.5	758.1	802.0	860.0	942.5	1060.8	1219.9	1465.1
20°	585.6	641.7	689.6	727.1	768.3	813.9	880.2	979.7	1122.3	1328.4	1641.4
17.5°	594.7	650.1	696.2	735.3	778.2	827.4	899.9	1011.9	1177.0	1423.0	1819.7
15°	602.5	657.4	701.9	742.4	786.8	842.8	927.2	1054.0	1240.5	1521.4	1975.0
12.5°	609.0	663.3	706.5	748.1	793.9	855.7	950.7	1093.7	1306.4	1642.4	2203.8
10°	614.1	668.0	710.0	752.6	799.4	866.0	969.7	1126.2	1361.0	1747.2	2399.1
7.5°	618.8	671.5	712.4	755.8	803.4	873.7	984.1	1151.2	1402.9	1829.4	2553.6
5°	622.3	673.6	713.8	757.6	806.7	878.8	993.9	1168.6	1431.8	1888.2	2662.3
2.5°	624.4	674.2	714.1	758.1	809.1	881.0	999.0	1178.2	1454.6	1916.1	2720.7
0°	625.1	673.6	713.2	757.2	810.0	880.5	999.4	1179.9	1466.0	1915.1	2729.5
-2.5°	624.4	674.2	714.1	758.1	809.1	881.0	999.0	1178.2	1454.6	1916.1	2720.7
-5°	622.3	673.6	713.8	757.6	806.7	878.8	993.9	1168.6	1431.8	1888.2	2662.3
-7.5°	618.8	671.5	712.4	755.8	803.4	873.7	984.1	1151.2	1402.9	1829.4	2553.6
-10°	614.1	668.0	710.0	752.6	799.4	866.0	969.7	1126.2	1361.0	1747.2	2399.1
-12.5°	609.0	663.3	706.5	748.1	793.9	855.7	950.7	1093.7	1306.4	1642.4	2203.8
-15°	602.5	657.4	701.9	742.4	786.8	842.8	927.2	1054.0	1240.5	1521.4	1975.0
-17.5°	594.7	650.1	696.2	735.3	778.2	827.4	899.9	1011.9	1177.0	1423.0	1819.7
-20°	585.6	641.7	689.6	727.1	768.3	813.9	880.2	979.7	1122.3	1328.4	1641.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627377 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-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°	575.2	632.0	680.6	718.5	758.1	802.0	860.0	942.5	1060.8	1219.9	1465.1
-25°	563.6	619.2	668.7	709.4	747.1	787.6	837.4	903.3	1005.9	1142.2	1332.3
-27.5°	550.7	605.0	656.3	698.9	735.4	771.9	817.7	876.4	954.4	1059.9	1200.6
-30°	536.7	590.1	643.4	686.3	722.8	758.2	797.3	845.7	904.9	993.4	1106.6
-32.5°	521.6	573.8	626.8	671.3	708.6	743.9	776.0	819.0	869.6	930.2	1018.7
-35°	505.3	556.0	607.4	655.9	692.9	726.9	758.1	792.5	834.7	885.6	948.1
-37.5°	487.6	536.7	586.4	637.0	675.9	707.9	738.1	768.9	805.0	844.0	892.8
-40°	468.7	516.0	563.9	612.5	656.9	688.0	717.4	745.1	776.1	809.8	845.7
-42.5°	448.5	493.9	539.8	586.5	631.0	666.1	696.2	722.3	747.9	776.1	807.2
-45°	427.3	470.5	514.4	559.5	603.5	641.1	671.3	699.8	721.5	745.4	771.0
-47.5°	405.5	446.2	487.7	531.5	574.5	613.4	644.7	671.2	694.4	715.5	737.9
-50°	382.8	421.8	460.7	502.3	543.2	583.4	617.4	642.8	665.5	685.1	704.0
-52.5°	358.5	396.9	433.7	472.2	510.9	548.9	585.1	613.9	636.3	656.5	674.5
-55°	333.6	370.0	405.6	441.1	477.6	513.4	548.0	579.1	606.4	626.1	645.5
-57.5°	307.9	341.4	374.8	408.7	442.5	476.8	508.6	541.3	569.2	592.8	612.9
-60°	281.5	311.8	342.0	373.4	405.5	436.2	466.6	496.4	526.4	554.4	571.6
-62.5°	254.2	281.5	308.5	336.1	365.1	393.6	420.7	448.1	476.1	500.4	521.6
-65°	224.5	250.2	274.6	298.8	323.2	348.6	373.4	397.2	421.3	444.6	465.5
-67.5°	194.3	217.8	240.0	261.2	282.7	304.4	325.3	346.7	367.4	388.3	408.1
-70°	166.8	185.5	205.3	224.4	242.6	260.9	279.5	297.5	315.0	332.9	350.6
-72.5°	139.6	156.0	172.0	187.6	203.8	219.5	234.7	249.4	264.5	280.0	294.7
-75°	113.3	126.3	139.9	153.3	166.3	178.9	191.2	203.7	216.4	229.0	241.0
-77.5°	87.9	99.2	109.9	119.9	129.5	140.0	150.1	159.8	170.0	180.0	189.5
-80°	64.1	72.1	81.2	89.8	97.4	104.6	111.6	118.2	125.5	133.3	141.1
-82.5°	43.6	49.3	55.1	61.1	66.2	71.2	76.0	81.1	86.1	91.0	96.0
-85°	24.4	26.4	29.9	33.5	36.9	40.2	43.4	46.4	49.3	52.1	54.8
-87.5°	12.2	13.2	14.2	15.1	16.1	17.0	17.8	18.7	19.5	20.2	20.9
-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: P627377 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	21.6	21.3	21.0	20.5	19.9	21.3	22.7	24.1	25.5	24.7	23.8
85°	57.3	58.6	59.6	60.6	61.3	64.1	66.7	69.2	71.5	71.4	71.1
82.5°	100.8	104.1	106.9	109.4	111.6	114.8	117.7	120.2	122.3	123.8	125.2
80°	148.6	153.9	158.4	162.5	166.2	170.4	174.3	177.8	180.8	182.5	183.5
77.5°	199.0	206.7	213.6	220.2	226.4	232.5	238.2	243.2	247.5	248.5	248.3
75°	252.4	262.8	272.5	281.5	289.8	296.9	302.9	308.0	312.2	314.2	315.3
72.5°	308.8	321.5	332.9	343.2	352.0	359.4	365.7	371.2	375.9	378.8	380.6
70°	367.5	382.5	394.2	403.9	411.5	418.8	427.0	434.8	442.1	446.2	447.8
67.5°	426.3	441.9	452.7	461.5	468.5	475.6	485.9	495.2	503.5	509.1	512.6
65°	484.0	500.4	511.2	519.6	526.0	533.2	544.7	553.9	560.9	566.5	571.5
62.5°	540.9	557.4	569.4	579.4	588.7	596.6	606.1	613.9	619.9	625.4	631.6
60°	590.2	609.8	622.4	632.6	644.1	656.5	663.4	669.2	674.3	678.7	682.6
57.5°	630.5	648.0	664.2	676.5	688.4	699.8	708.1	713.5	717.9	721.2	722.5
55°	664.3	682.3	700.4	713.6	725.3	736.1	745.1	752.2	758.1	762.7	763.8
52.5°	694.5	714.7	732.5	747.7	763.2	775.9	785.8	795.5	803.9	810.7	813.7
50°	727.3	748.6	770.7	791.1	807.6	822.1	834.2	847.8	862.2	874.1	881.6
47.5°	761.9	786.4	813.1	838.3	857.9	879.3	899.3	919.5	946.3	968.7	985.4
45°	798.0	829.5	860.0	892.0	919.0	959.5	997.0	1029.3	1072.1	1111.0	1141.9
42.5°	840.7	879.9	917.3	968.7	1022.4	1077.6	1137.3	1188.2	1255.2	1323.4	1378.4
40°	891.3	941.4	1007.3	1076.2	1161.0	1237.0	1340.0	1431.8	1534.6	1664.6	1771.9
37.5°	952.2	1029.4	1121.0	1217.1	1349.4	1475.7	1646.0	1825.5	1988.4	2238.4	2448.7
35°	1031.3	1139.2	1259.8	1429.9	1617.1	1853.9	2119.6	2466.3	2763.6	3185.3	3588.3
32.5°	1133.2	1271.9	1469.0	1731.4	2008.1	2438.1	2859.7	3461.7	4019.1	4687.5	5408.8
30°	1246.7	1457.7	1758.7	2118.7	2635.0	3267.5	4010.7	4935.3	5947.0	6886.4	7812.1
27.5°	1411.0	1713.4	2108.9	2689.8	3494.3	4379.3	5681.5	6936.5	8245.8	9409.7	10380.3
25°	1602.9	2002.5	2614.1	3469.5	4557.5	6073.0	7631.7	9180.6	10588.7	11807.2	12879.7
22.5°	1850.7	2425.4	3240.7	4348.7	6043.1	7859.4	9687.2	11395.6	12897.7	14254.5	15415.5
20°	2120.3	2839.5	4003.7	5655.9	7593.5	9662.9	11726.7	13546.5	15200.4	16738.8	18047.3
17.5°	2461.9	3469.1	4943.5	6925.4	9165.6	11432.9	13601.0	15575.9	17452.2	19080.2	20447.4
15°	2753.1	4023.5	5947.9	8272.3	10695.4	13087.0	15376.0	17521.2	19471.9	21142.3	22427.5
12.5°	3141.4	4645.0	6839.6	9430.1	12055.9	14572.5	16983.5	19200.7	21185.9	22837.9	23838.4
10°	3508.5	5288.4	7701.5	10403.1	13131.0	15812.3	18386.7	20660.6	22503.8	23817.9	24670.6
7.5°	3820.6	5841.3	8402.6	11189.5	13985.3	16788.6	19394.4	21606.9	23306.4	24403.9	24997.4
5°	4053.7	6254.7	8923.0	11828.5	14697.4	17549.9	20135.5	22212.4	23681.3	24496.5	24794.6
2.5°	4202.2	6497.4	9225.0	12247.7	15174.0	18031.6	20643.7	22688.1	23934.4	24474.7	24526.1
0°	4261.6	6528.8	9271.5	12467.7	15294.1	18168.8	20788.3	22883.9	24028.5	24473.1	24464.3
-2.5°	4202.2	6497.4	9225.0	12247.7	15174.0	18031.6	20643.7	22688.1	23934.4	24474.7	24526.1
-5°	4053.7	6254.7	8923.0	11828.5	14697.4	17549.9	20135.5	22212.4	23681.3	24496.5	24794.6
-7.5°	3820.6	5841.3	8402.6	11189.5	13985.3	16788.6	19394.4	21606.9	23306.4	24403.9	24997.4
-10°	3508.5	5288.4	7701.5	10403.1	13131.0	15812.3	18386.7	20660.6	22503.8	23817.9	24670.6
-12.5°	3141.4	4645.0	6839.6	9430.1	12055.9	14572.5	16983.5	19200.7	21185.9	22837.9	23838.4
-15°	2753.1	4023.5	5947.9	8272.3	10695.4	13087.0	15376.0	17521.2	19471.9	21142.3	22427.5
-17.5°	2461.9	3469.1	4943.5	6925.4	9165.6	11432.9	13601.0	15575.9	17452.2	19080.2	20447.4
-20°	2120.3	2839.5	4003.7	5655.9	7593.5	9662.9	11726.7	13546.5	15200.4	16738.8	18047.3



REPORT NUMBER: P627377 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	1850.7	2425.4	3240.7	4348.7	6043.1	7859.4	9687.2	11395.6	12897.7	14254.5	15415.5
-25°	1602.9	2002.5	2614.1	3469.5	4557.5	6073.0	7631.7	9180.6	10588.7	11807.2	12879.7
-27.5°	1411.0	1713.4	2108.9	2689.8	3494.3	4379.3	5681.5	6936.5	8245.8	9409.7	10380.3
-30°	1246.7	1457.7	1758.7	2118.7	2635.0	3267.5	4010.7	4935.3	5947.0	6886.4	7812.1
-32.5°	1133.2	1271.9	1469.0	1731.4	2008.1	2438.1	2859.7	3461.7	4019.1	4687.5	5408.8
-35°	1031.3	1139.2	1259.8	1429.9	1617.1	1853.9	2119.6	2466.3	2763.6	3185.3	3588.3
-37.5°	952.2	1029.4	1121.0	1217.1	1349.4	1475.7	1646.0	1825.5	1988.4	2238.4	2448.7
-40°	891.3	941.4	1007.3	1076.2	1161.0	1237.0	1340.0	1431.8	1534.6	1664.6	1771.9
-42.5°	840.7	879.9	917.3	968.7	1022.4	1077.6	1137.3	1188.2	1255.2	1323.4	1378.4
-45°	798.0	829.5	860.0	892.0	919.0	959.5	997.0	1029.3	1072.1	1111.0	1141.9
-47.5°	761.9	786.4	813.1	838.3	857.9	879.3	899.3	919.5	946.3	968.7	985.4
-50°	727.3	748.6	770.7	791.1	807.6	822.1	834.2	847.8	862.2	874.1	881.6
-52.5°	694.5	714.7	732.5	747.7	763.2	775.9	785.8	795.5	803.9	810.7	813.7
-55°	664.3	682.3	700.4	713.6	725.3	736.1	745.1	752.2	758.1	762.7	763.8
-57.5°	630.5	648.0	664.2	676.5	688.4	699.8	708.1	713.5	717.9	721.2	722.5
-60°	590.2	609.8	622.4	632.6	644.1	656.5	663.4	669.2	674.3	678.7	682.6
-62.5°	540.9	557.4	569.4	579.4	588.7	596.6	606.1	613.9	619.9	625.4	631.6
-65°	484.0	500.4	511.2	519.6	526.0	533.2	544.7	553.9	560.9	566.5	571.5
-67.5°	426.3	441.9	452.7	461.5	468.5	475.6	485.9	495.2	503.5	509.1	512.6
-70°	367.5	382.5	394.2	403.9	411.5	418.8	427.0	434.8	442.1	446.2	447.8
-72.5°	308.8	321.5	332.9	343.2	352.0	359.4	365.7	371.2	375.9	378.8	380.6
-75°	252.4	262.8	272.5	281.5	289.8	296.9	302.9	308.0	312.2	314.2	315.3
-77.5°	199.0	206.7	213.6	220.2	226.4	232.5	238.2	243.2	247.5	248.5	248.3
-80°	148.6	153.9	158.4	162.5	166.2	170.4	174.3	177.8	180.8	182.5	183.5
-82.5°	100.8	104.1	106.9	109.4	111.6	114.8	117.7	120.2	122.3	123.8	125.2
-85°	57.3	58.6	59.6	60.6	61.3	64.1	66.7	69.2	71.5	71.4	71.1
-87.5°	21.6	21.3	21.0	20.5	19.9	21.3	22.7	24.1	25.5	24.7	23.8
-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: P627377 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	22.9	21.9	22.0	22.0	22.0	21.9	22.9	23.8	24.7	25.5	24.1
85°	70.7	70.0	68.1	66.0	68.1	70.0	70.7	71.1	71.4	71.5	69.2
82.5°	126.3	127.0	125.4	123.3	125.4	127.0	126.3	125.2	123.8	122.3	120.2
80°	184.0	184.1	182.5	180.5	182.5	184.1	184.0	183.5	182.5	180.8	177.8
77.5°	247.3	245.5	246.2	246.5	246.2	245.5	247.3	248.3	248.5	247.5	243.2
75°	315.8	315.5	314.5	312.6	314.5	315.5	315.8	315.3	314.2	312.2	308.0
72.5°	381.4	381.4	380.5	378.6	380.5	381.4	381.4	380.6	378.8	375.9	371.2
70°	448.2	447.3	448.5	449.0	448.5	447.3	448.2	447.8	446.2	442.1	434.8
67.5°	515.4	517.1	516.9	515.1	516.9	517.1	515.4	512.6	509.1	503.5	495.2
65°	575.6	578.6	580.5	581.1	580.5	578.6	575.6	571.5	566.5	560.9	553.9
62.5°	636.5	640.0	640.2	638.4	640.2	640.0	636.5	631.6	625.4	619.9	613.9
60°	684.7	685.2	684.4	682.4	684.4	685.2	684.7	682.6	678.7	674.3	669.2
57.5°	722.5	721.2	719.7	717.6	719.7	721.2	722.5	722.5	721.2	717.9	713.5
55°	763.2	761.1	759.3	757.2	759.3	761.1	763.2	763.8	762.7	758.1	752.2
52.5°	814.3	813.2	812.0	810.0	812.0	813.2	814.3	813.7	810.7	803.9	795.5
50°	885.4	886.5	886.4	884.9	886.4	886.5	885.4	881.6	874.1	862.2	847.8
47.5°	995.9	1001.8	1005.8	1008.2	1005.8	1001.8	995.9	985.4	968.7	946.3	919.5
45°	1161.6	1173.4	1181.7	1188.7	1181.7	1173.4	1161.6	1141.9	1111.0	1072.1	1029.3
42.5°	1417.2	1443.5	1456.0	1452.8	1456.0	1443.5	1417.2	1378.4	1323.4	1255.2	1188.2
40°	1843.5	1886.0	1909.6	1928.3	1909.6	1886.0	1843.5	1771.9	1664.6	1534.6	1431.8
37.5°	2592.3	2674.7	2718.2	2755.9	2718.2	2674.7	2592.3	2448.7	2238.4	1988.4	1825.5
35°	3889.4	4074.8	4174.1	4208.7	4174.1	4074.8	3889.4	3588.3	3185.3	2763.6	2466.3
32.5°	5970.1	6312.2	6501.4	6647.7	6501.4	6312.2	5970.1	5408.8	4687.5	4019.1	3461.7
30°	8545.1	8995.9	9246.2	9368.4	9246.2	8995.9	8545.1	7812.1	6886.4	5947.0	4935.3
27.5°	11184.9	11697.3	11967.2	11952.6	11967.2	11697.3	11184.9	10380.3	9409.7	8245.8	6936.5
25°	13799.2	14392.7	14661.6	14902.2	14661.6	14392.7	13799.2	12879.7	11807.2	10588.7	9180.6
22.5°	16443.2	17137.2	17515.8	17693.4	17515.8	17137.2	16443.2	15415.5	14254.5	12897.7	11395.6
20°	19055.7	19828.2	20230.3	20405.3	20230.3	19828.2	19055.7	18047.3	16738.8	15200.4	13546.5
17.5°	21372.8	22127.0	22510.1	22672.5	22510.1	22127.0	21372.8	20447.4	19080.2	17452.2	15575.9
15°	23223.0	23779.2	24105.1	24191.4	24105.1	23779.2	23223.0	22427.5	21142.3	19471.9	17521.2
12.5°	24501.9	24717.3	24874.1	24922.2	24874.1	24717.3	24501.9	23838.4	22837.9	21185.9	19200.7
10°	25155.7	25058.5	25018.3	25023.4	25018.3	25058.5	25155.7	24670.6	23817.9	22503.8	20660.6
7.5°	25110.8	24966.8	24677.6	24631.6	24677.6	24966.8	25110.8	24997.4	24403.9	23306.4	21606.9
5°	24750.0	24487.9	24008.0	23870.0	24008.0	24487.9	24750.0	24794.6	24496.5	23681.3	22212.4
2.5°	24329.5	23857.0	23414.9	23130.4	23414.9	23857.0	24329.5	24526.1	24474.7	23934.4	22688.1
0°	24204.6	23658.7	23086.4	22901.5	23086.4	23658.7	24204.6	24464.3	24473.1	24028.5	22883.9
-2.5°	24329.5	23857.0	23414.9	23130.4	23414.9	23857.0	24329.5	24526.1	24474.7	23934.4	22688.1
-5°	24750.0	24487.9	24008.0	23870.0	24008.0	24487.9	24750.0	24794.6	24496.5	23681.3	22212.4
-7.5°	25110.8	24966.8	24677.6	24631.6	24677.6	24966.8	25110.8	24997.4	24403.9	23306.4	21606.9
-10°	25155.7	25058.5	25018.3	25023.4	25018.3	25058.5	25155.7	24670.6	23817.9	22503.8	20660.6
-12.5°	24501.9	24717.3	24874.1	24922.2	24874.1	24717.3	24501.9	23838.4	22837.9	21185.9	19200.7
-15°	23223.0	23779.2	24105.1	24191.4	24105.1	23779.2	23223.0	22427.5	21142.3	19471.9	17521.2
-17.5°	21372.8	22127.0	22510.1	22672.5	22510.1	22127.0	21372.8	20447.4	19080.2	17452.2	15575.9
-20°	19055.7	19828.2	20230.3	20405.3	20230.3	19828.2	19055.7	18047.3	16738.8	15200.4	13546.5



REPORT NUMBER: P627377 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	16443.2	17137.2	17515.8	17693.4	17515.8	17137.2	16443.2	15415.5	14254.5	12897.7	11395.6
-25°	13799.2	14392.7	14661.6	14902.2	14661.6	14392.7	13799.2	12879.7	11807.2	10588.7	9180.6
-27.5°	11184.9	11697.3	11967.2	11952.6	11967.2	11697.3	11184.9	10380.3	9409.7	8245.8	6936.5
-30°	8545.1	8995.9	9246.2	9368.4	9246.2	8995.9	8545.1	7812.1	6886.4	5947.0	4935.3
-32.5°	5970.1	6312.2	6501.4	6647.7	6501.4	6312.2	5970.1	5408.8	4687.5	4019.1	3461.7
-35°	3889.4	4074.8	4174.1	4208.7	4174.1	4074.8	3889.4	3588.3	3185.3	2763.6	2466.3
-37.5°	2592.3	2674.7	2718.2	2755.9	2718.2	2674.7	2592.3	2448.7	2238.4	1988.4	1825.5
-40°	1843.5	1886.0	1909.6	1928.3	1909.6	1886.0	1843.5	1771.9	1664.6	1534.6	1431.8
-42.5°	1417.2	1443.5	1456.0	1452.8	1456.0	1443.5	1417.2	1378.4	1323.4	1255.2	1188.2
-45°	1161.6	1173.4	1181.7	1188.7	1181.7	1173.4	1161.6	1141.9	1111.0	1072.1	1029.3
-47.5°	995.9	1001.8	1005.8	1008.2	1005.8	1001.8	995.9	985.4	968.7	946.3	919.5
-50°	885.4	886.5	886.4	884.9	886.4	886.5	885.4	881.6	874.1	862.2	847.8
-52.5°	814.3	813.2	812.0	810.0	812.0	813.2	814.3	813.7	810.7	803.9	795.5
-55°	763.2	761.1	759.3	757.2	759.3	761.1	763.2	763.8	762.7	758.1	752.2
-57.5°	722.5	721.2	719.7	717.6	719.7	721.2	722.5	722.5	721.2	717.9	713.5
-60°	684.7	685.2	684.4	682.4	684.4	685.2	684.7	682.6	678.7	674.3	669.2
-62.5°	636.5	640.0	640.2	638.4	640.2	640.0	636.5	631.6	625.4	619.9	613.9
-65°	575.6	578.6	580.5	581.1	580.5	578.6	575.6	571.5	566.5	560.9	553.9
-67.5°	515.4	517.1	516.9	515.1	516.9	517.1	515.4	512.6	509.1	503.5	495.2
-70°	448.2	447.3	448.5	449.0	448.5	447.3	448.2	447.8	446.2	442.1	434.8
-72.5°	381.4	381.4	380.5	378.6	380.5	381.4	381.4	380.6	378.8	375.9	371.2
-75°	315.8	315.5	314.5	312.6	314.5	315.5	315.8	315.3	314.2	312.2	308.0
-77.5°	247.3	245.5	246.2	246.5	246.2	245.5	247.3	248.3	248.5	247.5	243.2
-80°	184.0	184.1	182.5	180.5	182.5	184.1	184.0	183.5	182.5	180.8	177.8
-82.5°	126.3	127.0	125.4	123.3	125.4	127.0	126.3	125.2	123.8	122.3	120.2
-85°	70.7	70.0	68.1	66.0	68.1	70.0	70.7	71.1	71.4	71.5	69.2
-87.5°	22.9	21.9	22.0	22.0	22.0	21.9	22.9	23.8	24.7	25.5	24.1
-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: P627377 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	22.7	21.3	19.9	20.5	21.0	21.3	21.6	20.9	20.2	19.5	18.7
85°	66.7	64.1	61.3	60.6	59.6	58.6	57.3	54.8	52.1	49.3	46.4
82.5°	117.7	114.8	111.6	109.4	106.9	104.1	100.8	96.0	91.0	86.1	81.1
80°	174.3	170.4	166.2	162.5	158.4	153.9	148.6	141.1	133.3	125.5	118.2
77.5°	238.2	232.5	226.4	220.2	213.6	206.7	199.0	189.5	180.0	170.0	159.8
75°	302.9	296.9	289.8	281.5	272.5	262.8	252.4	241.0	229.0	216.4	203.7
72.5°	365.7	359.4	352.0	343.2	332.9	321.5	308.8	294.7	280.0	264.5	249.4
70°	427.0	418.8	411.5	403.9	394.2	382.5	367.5	350.6	332.9	315.0	297.5
67.5°	485.9	475.6	468.5	461.5	452.7	441.9	426.3	408.1	388.3	367.4	346.7
65°	544.7	533.2	526.0	519.6	511.2	500.4	484.0	465.5	444.6	421.3	397.2
62.5°	606.1	596.6	588.7	579.4	569.4	557.4	540.9	521.6	500.4	476.1	448.1
60°	663.4	656.5	644.1	632.6	622.4	609.8	590.2	571.6	554.4	526.4	496.4
57.5°	708.1	699.8	688.4	676.5	664.2	648.0	630.5	612.9	592.8	569.2	541.3
55°	745.1	736.1	725.3	713.6	700.4	682.3	664.3	645.5	626.1	606.4	579.1
52.5°	785.8	775.9	763.2	747.7	732.5	714.7	694.5	674.5	656.5	636.3	613.9
50°	834.2	822.1	807.6	791.1	770.7	748.6	727.3	704.0	685.1	665.5	642.8
47.5°	899.3	879.3	857.9	838.3	813.1	786.4	761.9	737.9	715.5	694.4	671.2
45°	997.0	959.5	919.0	892.0	860.0	829.5	798.0	771.0	745.4	721.5	699.8
42.5°	1137.3	1077.6	1022.4	968.7	917.3	879.9	840.7	807.2	776.1	747.9	722.3
40°	1340.0	1237.0	1161.0	1076.2	1007.3	941.4	891.3	845.7	809.8	776.1	745.1
37.5°	1646.0	1475.7	1349.4	1217.1	1121.0	1029.4	952.2	892.8	844.0	805.0	768.9
35°	2119.6	1853.9	1617.1	1429.9	1259.8	1139.2	1031.3	948.1	885.6	834.7	792.5
32.5°	2859.7	2438.1	2008.1	1731.4	1469.0	1271.9	1133.2	1018.7	930.2	869.6	819.0
30°	4010.7	3267.5	2635.0	2118.7	1758.7	1457.7	1246.7	1106.6	993.4	904.9	845.7
27.5°	5681.5	4379.3	3494.3	2689.8	2108.9	1713.4	1411.0	1200.6	1059.9	954.4	876.4
25°	7631.7	6073.0	4557.5	3469.5	2614.1	2002.5	1602.9	1332.3	1142.2	1005.9	903.3
22.5°	9687.2	7859.4	6043.1	4348.7	3240.7	2425.4	1850.7	1465.1	1219.9	1060.8	942.5
20°	11726.7	9662.9	7593.5	5655.9	4003.7	2839.5	2120.3	1641.4	1328.4	1122.3	979.7
17.5°	13601.0	11432.9	9165.6	6925.4	4943.5	3469.1	2461.9	1819.7	1423.0	1177.0	1011.9
15°	15376.0	13087.0	10695.4	8272.3	5947.9	4023.5	2753.1	1975.0	1521.4	1240.5	1054.0
12.5°	16983.5	14572.5	12055.9	9430.1	6839.6	4645.0	3141.4	2203.8	1642.4	1306.4	1093.7
10°	18386.7	15812.3	13131.0	10403.1	7701.5	5288.4	3508.5	2399.1	1747.2	1361.0	1126.2
7.5°	19394.4	16788.6	13985.3	11189.5	8402.6	5841.3	3820.6	2553.6	1829.4	1402.9	1151.2
5°	20135.5	17549.9	14697.4	11828.5	8923.0	6254.7	4053.7	2662.3	1888.2	1431.8	1168.6
2.5°	20643.7	18031.6	15174.0	12247.7	9225.0	6497.4	4202.2	2720.7	1916.1	1454.6	1178.2
0°	20788.3	18168.8	15294.1	12467.7	9271.5	6528.8	4261.6	2729.5	1915.1	1466.0	1179.9
-2.5°	20643.7	18031.6	15174.0	12247.7	9225.0	6497.4	4202.2	2720.7	1916.1	1454.6	1178.2
-5°	20135.5	17549.9	14697.4	11828.5	8923.0	6254.7	4053.7	2662.3	1888.2	1431.8	1168.6
-7.5°	19394.4	16788.6	13985.3	11189.5	8402.6	5841.3	3820.6	2553.6	1829.4	1402.9	1151.2
-10°	18386.7	15812.3	13131.0	10403.1	7701.5	5288.4	3508.5	2399.1	1747.2	1361.0	1126.2
-12.5°	16983.5	14572.5	12055.9	9430.1	6839.6	4645.0	3141.4	2203.8	1642.4	1306.4	1093.7
-15°	15376.0	13087.0	10695.4	8272.3	5947.9	4023.5	2753.1	1975.0	1521.4	1240.5	1054.0
-17.5°	13601.0	11432.9	9165.6	6925.4	4943.5	3469.1	2461.9	1819.7	1423.0	1177.0	1011.9
-20°	11726.7	9662.9	7593.5	5655.9	4003.7	2839.5	2120.3	1641.4	1328.4	1122.3	979.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627377 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-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°	9687.2	7859.4	6043.1	4348.7	3240.7	2425.4	1850.7	1465.1	1219.9	1060.8	942.5
-25°	7631.7	6073.0	4557.5	3469.5	2614.1	2002.5	1602.9	1332.3	1142.2	1005.9	903.3
-27.5°	5681.5	4379.3	3494.3	2689.8	2108.9	1713.4	1411.0	1200.6	1059.9	954.4	876.4
-30°	4010.7	3267.5	2635.0	2118.7	1758.7	1457.7	1246.7	1106.6	993.4	904.9	845.7
-32.5°	2859.7	2438.1	2008.1	1731.4	1469.0	1271.9	1133.2	1018.7	930.2	869.6	819.0
-35°	2119.6	1853.9	1617.1	1429.9	1259.8	1139.2	1031.3	948.1	885.6	834.7	792.5
-37.5°	1646.0	1475.7	1349.4	1217.1	1121.0	1029.4	952.2	892.8	844.0	805.0	768.9
-40°	1340.0	1237.0	1161.0	1076.2	1007.3	941.4	891.3	845.7	809.8	776.1	745.1
-42.5°	1137.3	1077.6	1022.4	968.7	917.3	879.9	840.7	807.2	776.1	747.9	722.3
-45°	997.0	959.5	919.0	892.0	860.0	829.5	798.0	771.0	745.4	721.5	699.8
-47.5°	899.3	879.3	857.9	838.3	813.1	786.4	761.9	737.9	715.5	694.4	671.2
-50°	834.2	822.1	807.6	791.1	770.7	748.6	727.3	704.0	685.1	665.5	642.8
-52.5°	785.8	775.9	763.2	747.7	732.5	714.7	694.5	674.5	656.5	636.3	613.9
-55°	745.1	736.1	725.3	713.6	700.4	682.3	664.3	645.5	626.1	606.4	579.1
-57.5°	708.1	699.8	688.4	676.5	664.2	648.0	630.5	612.9	592.8	569.2	541.3
-60°	663.4	656.5	644.1	632.6	622.4	609.8	590.2	571.6	554.4	526.4	496.4
-62.5°	606.1	596.6	588.7	579.4	569.4	557.4	540.9	521.6	500.4	476.1	448.1
-65°	544.7	533.2	526.0	519.6	511.2	500.4	484.0	465.5	444.6	421.3	397.2
-67.5°	485.9	475.6	468.5	461.5	452.7	441.9	426.3	408.1	388.3	367.4	346.7
-70°	427.0	418.8	411.5	403.9	394.2	382.5	367.5	350.6	332.9	315.0	297.5
-72.5°	365.7	359.4	352.0	343.2	332.9	321.5	308.8	294.7	280.0	264.5	249.4
-75°	302.9	296.9	289.8	281.5	272.5	262.8	252.4	241.0	229.0	216.4	203.7
-77.5°	238.2	232.5	226.4	220.2	213.6	206.7	199.0	189.5	180.0	170.0	159.8
-80°	174.3	170.4	166.2	162.5	158.4	153.9	148.6	141.1	133.3	125.5	118.2
-82.5°	117.7	114.8	111.6	109.4	106.9	104.1	100.8	96.0	91.0	86.1	81.1
-85°	66.7	64.1	61.3	60.6	59.6	58.6	57.3	54.8	52.1	49.3	46.4
-87.5°	22.7	21.3	19.9	20.5	21.0	21.3	21.6	20.9	20.2	19.5	18.7
-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: P627377 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	17.8	17.0	16.1	15.1	14.2	13.2	12.2	11.2	9.7	8.3	6.9
85°	43.4	40.2	36.9	33.5	29.9	26.4	24.4	22.3	19.3	16.5	13.9
82.5°	76.0	71.2	66.2	61.1	55.1	49.3	43.6	38.0	31.8	25.2	20.7
80°	111.6	104.6	97.4	89.8	81.2	72.1	64.1	56.4	48.9	40.8	32.3
77.5°	150.1	140.0	129.5	119.9	109.9	99.2	87.9	76.1	65.9	56.4	46.3
75°	191.2	178.9	166.3	153.3	139.9	126.3	113.3	99.7	86.1	72.2	60.2
72.5°	234.7	219.5	203.8	187.6	172.0	156.0	139.6	123.1	107.3	91.1	74.7
70°	279.5	260.9	242.6	224.4	205.3	185.5	166.8	147.5	128.2	109.8	91.1
67.5°	325.3	304.4	282.7	261.2	240.0	217.8	194.3	171.7	149.7	128.2	107.3
65°	373.4	348.6	323.2	298.8	274.6	250.2	224.5	196.4	170.8	146.7	123.1
62.5°	420.7	393.6	365.1	336.1	308.5	281.5	254.2	222.9	192.0	164.8	138.8
60°	466.6	436.2	405.5	373.4	342.0	311.8	281.5	248.7	215.1	182.4	154.0
57.5°	508.6	476.8	442.5	408.7	374.8	341.4	307.9	273.1	237.4	201.6	168.8
55°	548.0	513.4	477.6	441.1	405.6	370.0	333.6	296.5	258.9	220.6	183.3
52.5°	585.1	548.9	510.9	472.2	433.7	396.9	358.5	319.2	279.4	239.0	199.3
50°	617.4	583.4	543.2	502.3	460.7	421.8	382.8	341.2	299.2	256.7	214.8
47.5°	644.7	613.4	574.5	531.5	487.7	446.2	405.5	362.5	318.3	273.7	229.8
45°	671.3	641.1	603.5	559.5	514.4	470.5	427.3	382.9	336.6	290.0	244.0
42.5°	696.2	666.1	631.0	586.5	539.8	493.9	448.5	402.2	354.2	305.6	257.6
40°	717.4	688.0	656.9	612.5	563.9	516.0	468.7	420.8	371.0	320.4	270.5
37.5°	738.1	707.9	675.9	637.0	586.4	536.7	487.6	438.6	387.2	334.8	282.6
35°	758.1	726.9	692.9	655.9	607.4	556.0	505.3	455.3	402.4	348.4	293.9
32.5°	776.0	743.9	708.6	671.3	626.8	573.8	521.6	469.9	416.4	361.4	304.4
30°	797.3	758.2	722.8	686.3	643.4	590.1	536.7	483.6	429.4	373.6	314.3
27.5°	817.7	771.9	735.4	698.9	656.3	605.0	550.7	496.3	441.3	384.7	324.0
25°	837.4	787.6	747.1	709.4	668.7	619.2	563.6	507.8	451.8	394.4	333.1
22.5°	860.0	802.0	758.1	718.5	680.6	632.0	575.2	518.3	461.1	403.0	341.3
20°	880.2	813.9	768.3	727.1	689.6	641.7	585.6	527.6	469.4	410.7	348.7
17.5°	899.9	827.4	778.2	735.3	696.2	650.1	594.7	535.8	476.7	417.4	355.4
15°	927.2	842.8	786.8	742.4	701.9	657.4	602.5	542.8	483.0	423.0	361.3
12.5°	950.7	855.7	793.9	748.1	706.5	663.3	609.0	548.6	488.2	428.0	366.6
10°	969.7	866.0	799.4	752.6	710.0	668.0	614.1	553.5	493.0	432.4	370.9
7.5°	984.1	873.7	803.4	755.8	712.4	671.5	618.8	557.9	496.9	435.8	374.2
5°	993.9	878.8	806.7	757.6	713.8	673.6	622.3	561.0	499.7	438.2	376.7
2.5°	999.0	881.0	809.1	758.1	714.1	674.2	624.4	562.9	501.3	439.7	378.1
0°	999.4	880.5	810.0	757.2	713.2	673.6	625.1	563.5	501.9	440.2	378.6
-2.5°	999.0	881.0	809.1	758.1	714.1	674.2	624.4	562.9	501.3	439.7	378.1
-5°	993.9	878.8	806.7	757.6	713.8	673.6	622.3	561.0	499.7	438.2	376.7
-7.5°	984.1	873.7	803.4	755.8	712.4	671.5	618.8	557.9	496.9	435.8	374.2
-10°	969.7	866.0	799.4	752.6	710.0	668.0	614.1	553.5	493.0	432.4	370.9
-12.5°	950.7	855.7	793.9	748.1	706.5	663.3	609.0	548.6	488.2	428.0	366.6
-15°	927.2	842.8	786.8	742.4	701.9	657.4	602.5	542.8	483.0	423.0	361.3
-17.5°	899.9	827.4	778.2	735.3	696.2	650.1	594.7	535.8	476.7	417.4	355.4
-20°	880.2	813.9	768.3	727.1	689.6	641.7	585.6	527.6	469.4	410.7	348.7

Classified

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P627377 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-727-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°	860.0	802.0	758.1	718.5	680.6	632.0	575.2	518.3	461.1	403.0	341.3
-25°	837.4	787.6	747.1	709.4	668.7	619.2	563.6	507.8	451.8	394.4	333.1
-27.5°	817.7	771.9	735.4	698.9	656.3	605.0	550.7	496.3	441.3	384.7	324.0
-30°	797.3	758.2	722.8	686.3	643.4	590.1	536.7	483.6	429.4	373.6	314.3
-32.5°	776.0	743.9	708.6	671.3	626.8	573.8	521.6	469.9	416.4	361.4	304.4
-35°	758.1	726.9	692.9	655.9	607.4	556.0	505.3	455.3	402.4	348.4	293.9
-37.5°	738.1	707.9	675.9	637.0	586.4	536.7	487.6	438.6	387.2	334.8	282.6
-40°	717.4	688.0	656.9	612.5	563.9	516.0	468.7	420.8	371.0	320.4	270.5
-42.5°	696.2	666.1	631.0	586.5	539.8	493.9	448.5	402.2	354.2	305.6	257.6
-45°	671.3	641.1	603.5	559.5	514.4	470.5	427.3	382.9	336.6	290.0	244.0
-47.5°	644.7	613.4	574.5	531.5	487.7	446.2	405.5	362.5	318.3	273.7	229.8
-50°	617.4	583.4	543.2	502.3	460.7	421.8	382.8	341.2	299.2	256.7	214.8
-52.5°	585.1	548.9	510.9	472.2	433.7	396.9	358.5	319.2	279.4	239.0	199.3
-55°	548.0	513.4	477.6	441.1	405.6	370.0	333.6	296.5	258.9	220.6	183.3
-57.5°	508.6	476.8	442.5	408.7	374.8	341.4	307.9	273.1	237.4	201.6	168.8
-60°	466.6	436.2	405.5	373.4	342.0	311.8	281.5	248.7	215.1	182.4	154.0
-62.5°	420.7	393.6	365.1	336.1	308.5	281.5	254.2	222.9	192.0	164.8	138.8
-65°	373.4	348.6	323.2	298.8	274.6	250.2	224.5	196.4	170.8	146.7	123.1
-67.5°	325.3	304.4	282.7	261.2	240.0	217.8	194.3	171.7	149.7	128.2	107.3
-70°	279.5	260.9	242.6	224.4	205.3	185.5	166.8	147.5	128.2	109.8	91.1
-72.5°	234.7	219.5	203.8	187.6	172.0	156.0	139.6	123.1	107.3	91.1	74.7
-75°	191.2	178.9	166.3	153.3	139.9	126.3	113.3	99.7	86.1	72.2	60.2
-77.5°	150.1	140.0	129.5	119.9	109.9	99.2	87.9	76.1	65.9	56.4	46.3
-80°	111.6	104.6	97.4	89.8	81.2	72.1	64.1	56.4	48.9	40.8	32.3
-82.5°	76.0	71.2	66.2	61.1	55.1	49.3	43.6	38.0	31.8	25.2	20.7
-85°	43.4	40.2	36.9	33.5	29.9	26.4	24.4	22.3	19.3	16.5	13.9
-87.5°	17.8	17.0	16.1	15.1	14.2	13.2	12.2	11.2	9.7	8.3	6.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REPORT NUMBER: P627377 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	5.7	4.8	3.8	2.9	1.9	1.0	0.0
85°	11.4	9.5	7.6	5.7	3.8	1.9	0.0
82.5°	17.0	14.2	11.4	8.6	5.7	2.9	0.0
80°	23.5	19.0	15.2	11.4	7.6	3.8	0.0
77.5°	35.8	25.6	19.0	14.2	9.5	4.8	0.0
75°	48.0	35.8	23.5	17.0	11.4	5.7	0.0
72.5°	60.0	45.8	31.5	19.8	13.2	6.6	0.0
70°	72.2	55.8	39.5	23.1	15.0	7.5	0.0
67.5°	86.0	65.6	47.4	29.0	16.8	8.4	0.0
65°	99.4	75.9	55.1	34.8	18.6	9.3	0.0
62.5°	112.6	86.8	62.6	40.5	20.3	10.2	0.0
60°	125.4	97.3	70.0	46.0	22.0	11.0	0.0
57.5°	138.2	107.6	78.1	51.5	25.5	11.8	0.0
55°	150.8	117.5	86.0	56.7	29.0	12.6	0.0
52.5°	163.0	127.2	93.6	61.8	32.3	13.4	0.0
50°	175.0	137.2	100.9	66.8	35.5	14.1	0.0
47.5°	186.7	146.9	107.9	71.7	38.5	14.9	0.0
45°	198.9	156.2	114.6	76.7	41.5	15.6	0.0
42.5°	210.5	165.3	121.0	81.5	44.3	16.2	0.0
40°	221.5	173.9	127.5	85.9	46.9	16.9	0.0
37.5°	231.8	182.2	134.0	90.0	49.4	17.5	0.0
35°	241.6	190.2	140.2	93.9	51.7	18.0	0.0
32.5°	250.6	197.8	146.1	97.5	53.8	18.6	0.0
30°	259.0	204.9	151.6	100.9	55.8	19.1	0.0
27.5°	266.7	211.4	156.5	103.9	57.6	19.5	0.0
25°	273.7	217.3	161.0	106.8	59.3	19.9	0.0
22.5°	280.0	222.6	165.0	109.3	60.7	20.3	0.0
20°	285.6	227.1	168.5	111.5	62.0	20.7	0.0
17.5°	290.6	231.0	171.7	113.5	63.1	21.0	0.0
15°	295.1	234.3	174.3	115.2	64.1	21.2	0.0
12.5°	299.0	237.1	176.5	116.6	64.8	21.5	0.0
10°	302.3	239.3	178.3	117.6	65.4	21.7	0.0
7.5°	304.8	240.9	179.5	118.4	65.8	21.8	0.0
5°	306.7	241.9	180.3	118.9	66.0	21.9	0.0
2.5°	307.8	242.3	180.7	119.0	66.1	22.0	0.0
0°	308.2	242.1	180.5	118.9	66.0	22.0	0.0
-2.5°	307.8	242.3	180.7	119.0	66.1	22.0	0.0
-5°	306.7	241.9	180.3	118.9	66.0	21.9	0.0
-7.5°	304.8	240.9	179.5	118.4	65.8	21.8	0.0
-10°	302.3	239.3	178.3	117.6	65.4	21.7	0.0
-12.5°	299.0	237.1	176.5	116.6	64.8	21.5	0.0
-15°	295.1	234.3	174.3	115.2	64.1	21.2	0.0
-17.5°	290.6	231.0	171.7	113.5	63.1	21.0	0.0
-20°	285.6	227.1	168.5	111.5	62.0	20.7	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	280.0	222.6	165.0	109.3	60.7	20.3	0.0
-25°	273.7	217.3	161.0	106.8	59.3	19.9	0.0
-27.5°	266.7	211.4	156.5	103.9	57.6	19.5	0.0
-30°	259.0	204.9	151.6	100.9	55.8	19.1	0.0
-32.5°	250.6	197.8	146.1	97.5	53.8	18.6	0.0
-35°	241.6	190.2	140.2	93.9	51.7	18.0	0.0
-37.5°	231.8	182.2	134.0	90.0	49.4	17.5	0.0
-40°	221.5	173.9	127.5	85.9	46.9	16.9	0.0
-42.5°	210.5	165.3	121.0	81.5	44.3	16.2	0.0
-45°	198.9	156.2	114.6	76.7	41.5	15.6	0.0
-47.5°	186.7	146.9	107.9	71.7	38.5	14.9	0.0
-50°	175.0	137.2	100.9	66.8	35.5	14.1	0.0
-52.5°	163.0	127.2	93.6	61.8	32.3	13.4	0.0
-55°	150.8	117.5	86.0	56.7	29.0	12.6	0.0
-57.5°	138.2	107.6	78.1	51.5	25.5	11.8	0.0
-60°	125.4	97.3	70.0	46.0	22.0	11.0	0.0
-62.5°	112.6	86.8	62.6	40.5	20.3	10.2	0.0
-65°	99.4	75.9	55.1	34.8	18.6	9.3	0.0
-67.5°	86.0	65.6	47.4	29.0	16.8	8.4	0.0
-70°	72.2	55.8	39.5	23.1	15.0	7.5	0.0
-72.5°	60.0	45.8	31.5	19.8	13.2	6.6	0.0
-75°	48.0	35.8	23.5	17.0	11.4	5.7	0.0
-77.5°	35.8	25.6	19.0	14.2	9.5	4.8	0.0
-80°	23.5	19.0	15.2	11.4	7.6	3.8	0.0
-82.5°	17.0	14.2	11.4	8.6	5.7	2.9	0.0
-85°	11.4	9.5	7.6	5.7	3.8	1.9	0.0
-87.5°	5.7	4.8	3.8	2.9	1.9	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)