

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: P645302 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1A-735-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645302 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA1A-735-U-LAM-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

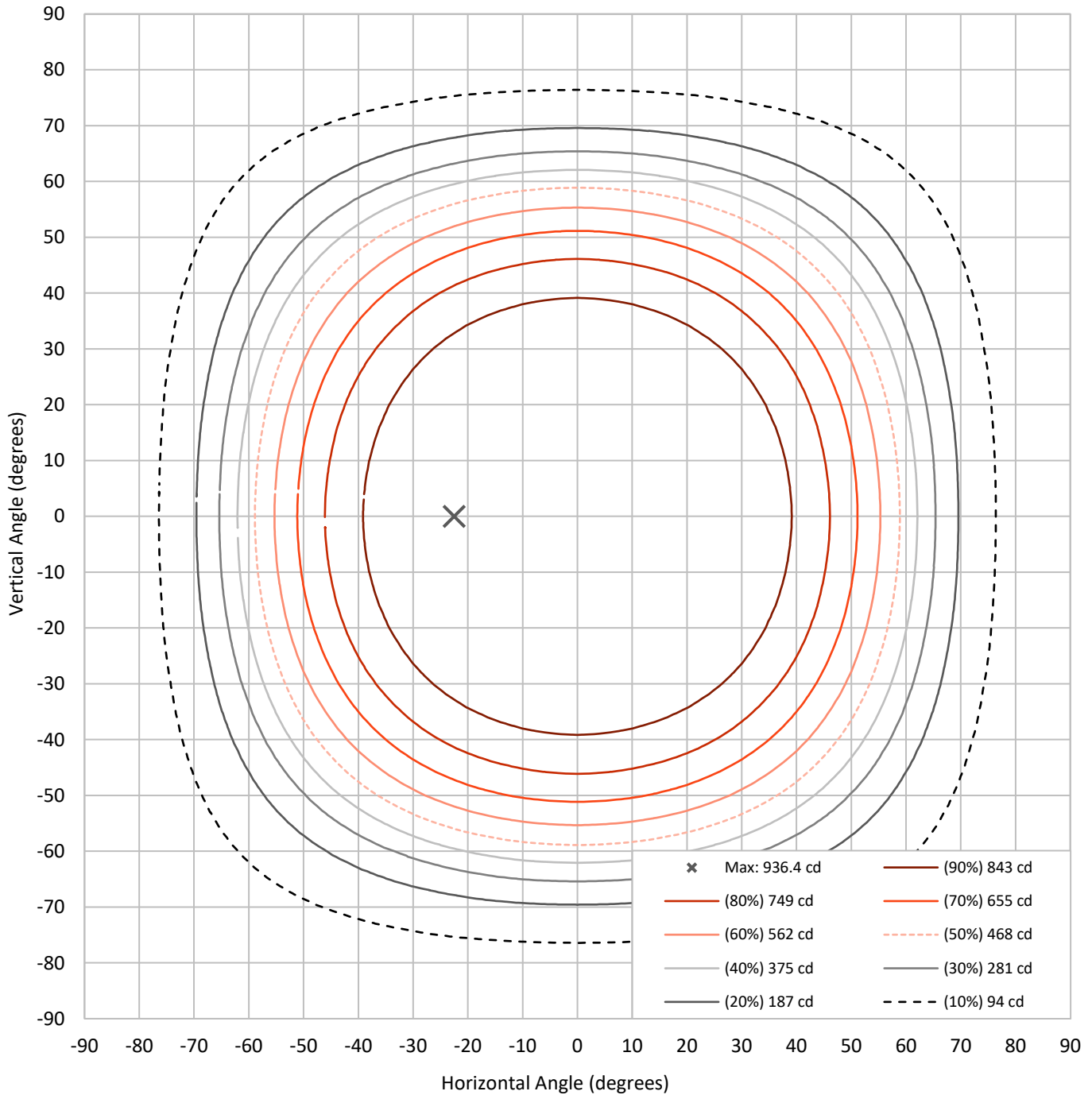
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	2864.5 lumens	Max Intensity:	936.4 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	158.3 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	2383.9 lumens	Field Lumens:	2808.2 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	18.1		
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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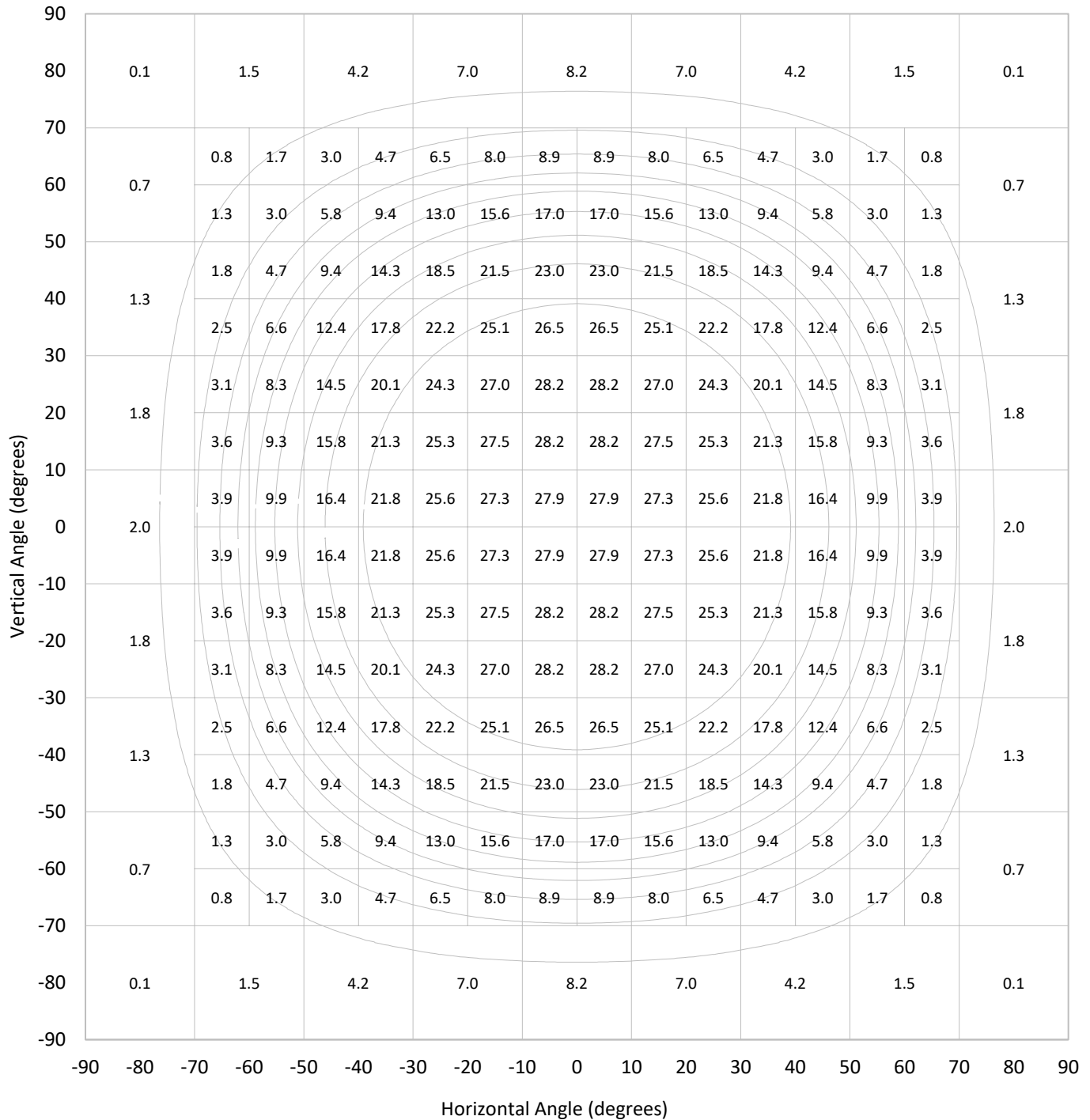
Iso-Candela Plot





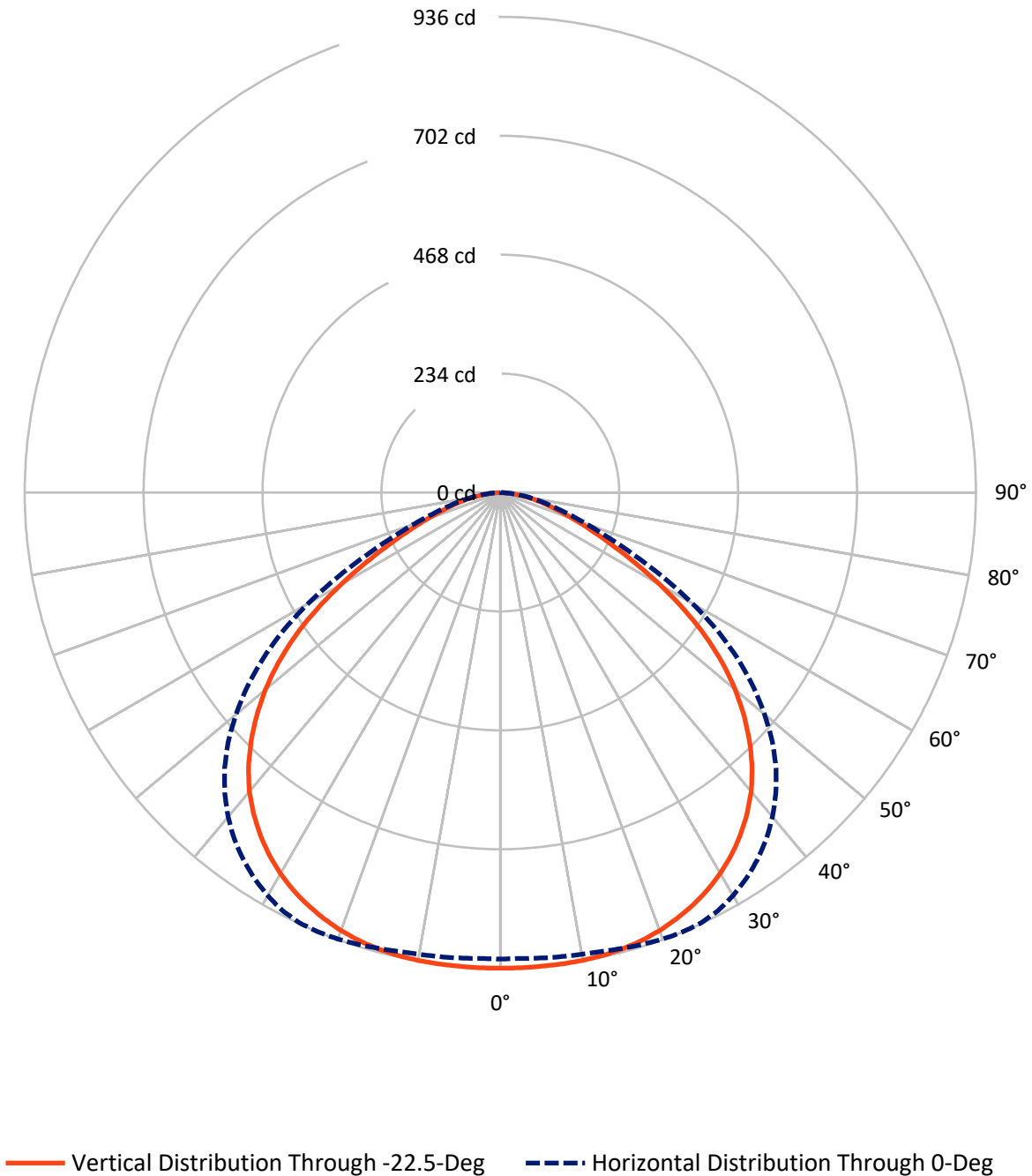
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Lumen Table



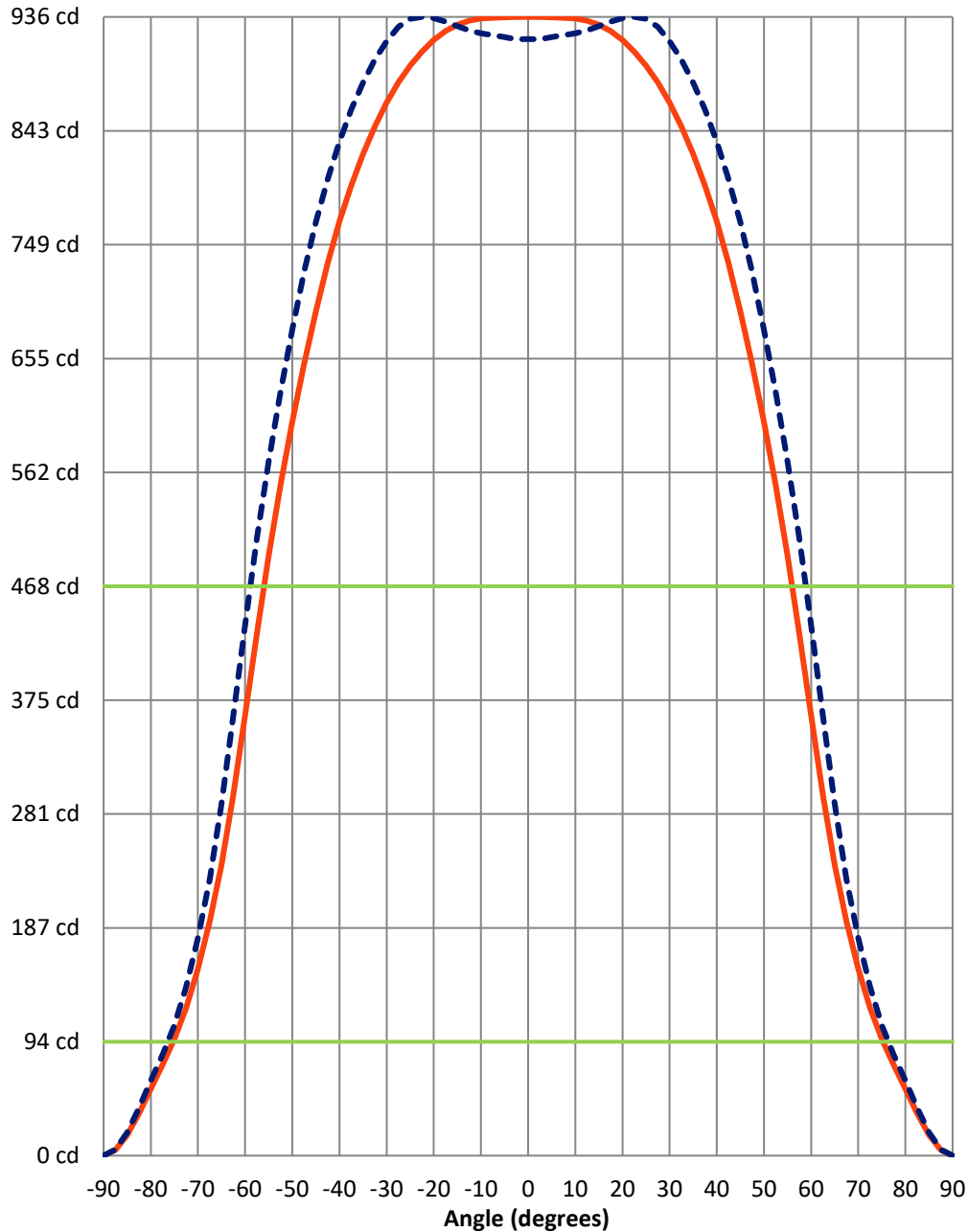
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 2383.9
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 2808.2
 Efficiency: 98.0%

Spill:
 Lumens: 56.3
 Efficiency: 2.0%

— Vertical Distribution through -22.5-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	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	2.0	2.2
85°	0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.5	3.9	4.3
82.5°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.6	5.4	7.1	8.8
80°	0.0	0.9	1.8	2.6	3.5	4.4	5.5	7.9	10.2	12.4	14.7
77.5°	0.0	1.1	2.2	3.3	4.4	6.1	9.1	12.0	14.9	17.7	21.1
75°	0.0	1.3	2.6	3.9	5.5	9.1	12.6	16.1	19.7	24.6	29.4
72.5°	0.0	1.5	3.1	4.6	7.9	12.0	16.1	20.6	26.4	32.1	37.7
70°	0.0	1.7	3.5	5.4	10.2	14.9	19.7	26.4	33.0	39.5	46.6
67.5°	0.0	2.0	3.9	7.1	12.4	17.7	24.6	32.1	39.5	47.6	55.5
65°	0.0	2.2	4.3	8.8	14.7	21.1	29.4	37.7	46.6	55.5	64.2
62.5°	0.0	2.4	4.7	10.4	16.9	25.0	34.2	43.6	53.5	63.2	72.4
60°	0.0	2.5	5.1	12.1	19.0	28.9	38.8	49.6	60.3	70.5	80.4
57.5°	0.0	2.7	6.1	13.6	22.0	32.7	43.7	55.4	66.7	77.6	89.0
55°	0.0	2.9	7.1	15.1	24.9	36.3	48.6	61.1	72.9	84.7	97.8
52.5°	0.0	3.1	8.1	16.6	27.7	39.9	53.3	66.4	78.9	92.4	106.3
50°	0.0	3.3	9.1	18.1	30.5	43.8	57.9	71.5	84.9	99.8	116.9
47.5°	0.0	3.4	10.0	19.6	33.1	47.4	62.3	76.4	91.3	107.0	127.4
45°	0.0	3.6	10.9	21.5	35.7	51.0	66.3	81.1	97.5	116.1	137.5
42.5°	0.0	3.8	11.7	23.3	38.1	54.4	70.2	86.0	103.4	124.8	149.4
40°	0.0	3.9	12.5	25.1	40.6	57.6	73.9	90.9	109.6	133.2	161.2
37.5°	0.0	4.0	13.3	26.7	43.0	60.7	77.5	95.6	116.6	141.7	172.5
35°	0.0	4.2	14.0	28.3	45.4	63.5	80.8	100.0	123.3	151.3	184.0
32.5°	0.0	4.3	14.7	29.8	47.6	66.1	84.0	104.2	129.6	160.3	196.1
30°	0.0	4.4	15.3	31.1	49.6	68.5	87.4	108.4	135.5	168.7	207.4
27.5°	0.0	4.5	15.9	32.4	51.5	70.8	90.5	113.2	141.5	176.6	217.9
25°	0.0	4.6	16.5	33.6	53.2	72.9	93.3	117.5	147.9	184.7	227.7
22.5°	0.0	4.7	17.0	34.7	54.8	74.8	95.9	121.5	153.7	192.7	239.2
20°	0.0	4.8	17.4	35.6	56.2	76.5	98.3	125.1	159.0	199.8	249.6
17.5°	0.0	4.9	17.8	36.5	57.5	78.0	100.3	128.3	163.6	206.1	258.8
15°	0.0	4.9	18.1	37.2	58.6	79.3	102.1	131.1	167.7	211.7	266.9
12.5°	0.0	5.0	18.4	37.9	59.6	80.4	103.7	133.5	171.2	216.4	273.8
10°	0.0	5.0	18.7	38.4	60.3	81.4	104.9	135.4	174.0	220.3	279.4
7.5°	0.0	5.1	18.9	38.8	60.9	82.1	105.9	136.9	176.2	223.3	283.8
5°	0.0	5.1	19.0	39.1	61.4	82.6	106.6	138.0	177.8	225.5	287.0
2.5°	0.0	5.1	19.1	39.2	61.6	82.9	107.1	138.7	178.8	226.8	288.9
0°	0.0	5.1	19.1	39.3	61.7	83.0	107.2	138.9	179.1	227.2	289.5
-2.5°	0.0	5.1	19.1	39.2	61.6	82.9	107.1	138.7	178.8	226.8	288.9
-5°	0.0	5.1	19.0	39.1	61.4	82.6	106.6	138.0	177.8	225.5	287.0
-7.5°	0.0	5.1	18.9	38.8	60.9	82.1	105.9	136.9	176.2	223.3	283.8
-10°	0.0	5.0	18.7	38.4	60.3	81.4	104.9	135.4	174.0	220.3	279.4
-12.5°	0.0	5.0	18.4	37.9	59.6	80.4	103.7	133.5	171.2	216.4	273.8
-15°	0.0	4.9	18.1	37.2	58.6	79.3	102.1	131.1	167.7	211.7	266.9
-17.5°	0.0	4.9	17.8	36.5	57.5	78.0	100.3	128.3	163.6	206.1	258.8
-20°	0.0	4.8	17.4	35.6	56.2	76.5	98.3	125.1	159.0	199.8	249.6

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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	4.7	17.0	34.7	54.8	74.8	95.9	121.5	153.7	192.7	239.2
-25°	0.0	4.6	16.5	33.6	53.2	72.9	93.3	117.5	147.9	184.7	227.7
-27.5°	0.0	4.5	15.9	32.4	51.5	70.8	90.5	113.2	141.5	176.6	217.9
-30°	0.0	4.4	15.3	31.1	49.6	68.5	87.4	108.4	135.5	168.7	207.4
-32.5°	0.0	4.3	14.7	29.8	47.6	66.1	84.0	104.2	129.6	160.3	196.1
-35°	0.0	4.2	14.0	28.3	45.4	63.5	80.8	100.0	123.3	151.3	184.0
-37.5°	0.0	4.0	13.3	26.7	43.0	60.7	77.5	95.6	116.6	141.7	172.5
-40°	0.0	3.9	12.5	25.1	40.6	57.6	73.9	90.9	109.6	133.2	161.2
-42.5°	0.0	3.8	11.7	23.3	38.1	54.4	70.2	86.0	103.4	124.8	149.4
-45°	0.0	3.6	10.9	21.5	35.7	51.0	66.3	81.1	97.5	116.1	137.5
-47.5°	0.0	3.4	10.0	19.6	33.1	47.4	62.3	76.4	91.3	107.0	127.4
-50°	0.0	3.3	9.1	18.1	30.5	43.8	57.9	71.5	84.9	99.8	116.9
-52.5°	0.0	3.1	8.1	16.6	27.7	39.9	53.3	66.4	78.9	92.4	106.3
-55°	0.0	2.9	7.1	15.1	24.9	36.3	48.6	61.1	72.9	84.7	97.8
-57.5°	0.0	2.7	6.1	13.6	22.0	32.7	43.7	55.4	66.7	77.6	89.0
-60°	0.0	2.5	5.1	12.1	19.0	28.9	38.8	49.6	60.3	70.5	80.4
-62.5°	0.0	2.4	4.7	10.4	16.9	25.0	34.2	43.6	53.5	63.2	72.4
-65°	0.0	2.2	4.3	8.8	14.7	21.1	29.4	37.7	46.6	55.5	64.2
-67.5°	0.0	2.0	3.9	7.1	12.4	17.7	24.6	32.1	39.5	47.6	55.5
-70°	0.0	1.7	3.5	5.4	10.2	14.9	19.7	26.4	33.0	39.5	46.6
-72.5°	0.0	1.5	3.1	4.6	7.9	12.0	16.1	20.6	26.4	32.1	37.7
-75°	0.0	1.3	2.6	3.9	5.5	9.1	12.6	16.1	19.7	24.6	29.4
-77.5°	0.0	1.1	2.2	3.3	4.4	6.1	9.1	12.0	14.9	17.7	21.1
-80°	0.0	0.9	1.8	2.6	3.5	4.4	5.5	7.9	10.2	12.4	14.7
-82.5°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.6	5.4	7.1	8.8
-85°	0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.5	3.9	4.3
-87.5°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	2.0	2.2
-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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 CATALOG NUMBER: GFLD-SA1A-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	296.8	362.3	429.3	493.4	551.3	603.5	650.8	694.2	733.7	768.3	797.7
-25°	283.0	345.9	410.8	474.1	532.6	585.3	633.1	676.2	715.8	750.7	781.3
-27.5°	269.0	328.0	390.6	453.0	512.3	564.9	612.2	655.4	695.2	731.6	763.1
-30°	253.9	308.6	368.8	430.0	488.2	541.2	589.3	633.2	672.6	708.8	741.3
-32.5°	237.6	288.0	345.9	404.5	461.8	516.0	564.2	607.5	647.3	683.9	717.1
-35°	221.9	269.0	321.7	377.5	433.8	486.9	535.5	579.9	619.9	655.9	689.3
-37.5°	207.8	248.9	296.2	349.4	403.0	455.3	505.1	548.8	589.0	626.1	658.8
-40°	192.9	227.7	272.2	320.3	370.7	421.5	469.7	515.2	555.4	592.1	626.1
-42.5°	177.5	210.5	248.1	290.0	337.8	385.4	432.7	476.9	518.5	555.4	589.0
-45°	163.9	192.7	223.9	262.8	303.9	348.4	392.8	436.4	476.9	515.2	548.8
-47.5°	149.8	175.0	203.8	234.7	271.7	310.9	352.0	392.8	432.7	469.7	505.1
-50°	135.9	159.0	183.0	210.6	240.5	274.7	310.9	348.4	385.4	421.5	455.3
-52.5°	124.0	142.5	164.5	187.5	212.8	240.5	271.7	303.9	337.8	370.7	403.0
-55°	111.7	128.3	146.1	166.4	187.5	210.6	234.7	262.8	290.0	320.3	349.4
-57.5°	101.1	114.6	129.8	146.1	164.5	183.0	203.8	223.9	248.1	272.2	296.2
-60°	91.2	102.1	114.6	128.3	142.5	159.0	175.0	192.7	210.5	227.7	248.9
-62.5°	81.4	91.2	101.1	111.7	124.0	135.9	149.8	163.9	177.5	192.9	207.8
-65°	72.4	80.4	89.0	97.8	106.3	116.9	127.4	137.5	149.4	161.2	172.5
-67.5°	63.2	70.5	77.6	84.7	92.4	99.8	107.0	116.1	124.8	133.2	141.7
-70°	53.5	60.3	66.7	72.9	78.9	84.9	91.3	97.5	103.4	109.6	116.6
-72.5°	43.6	49.6	55.4	61.1	66.4	71.5	76.4	81.1	86.0	90.9	95.6
-75°	34.2	38.8	43.7	48.6	53.3	57.9	62.3	66.3	70.2	73.9	77.5
-77.5°	25.0	28.9	32.7	36.3	39.9	43.8	47.4	51.0	54.4	57.6	60.7
-80°	16.9	19.0	22.0	24.9	27.7	30.5	33.1	35.7	38.1	40.6	43.0
-82.5°	10.4	12.1	13.6	15.1	16.6	18.1	19.6	21.5	23.3	25.1	26.7
-85°	4.7	5.1	6.1	7.1	8.1	9.1	10.0	10.9	11.7	12.5	13.3
-87.5°	2.4	2.5	2.7	2.9	3.1	3.3	3.4	3.6	3.8	3.9	4.0
-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):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	823.6	846.3	865.9	882.6	896.3	907.8	917.5	924.8	930.0	933.3	935.1
-25°	808.2	831.9	851.8	869.1	884.0	896.3	906.6	915.2	921.5	926.9	930.0
-27.5°	790.2	814.2	835.7	853.7	869.1	882.6	893.4	902.9	910.0	916.3	920.5
-30°	770.2	794.6	816.3	835.7	851.8	865.9	877.6	887.5	895.7	902.6	907.4
-32.5°	746.3	772.4	794.6	814.2	831.9	846.3	859.4	869.5	878.3	885.5	891.1
-35°	719.9	746.3	770.2	790.2	808.2	823.6	837.2	848.3	858.1	865.5	871.5
-37.5°	689.3	717.1	741.3	763.1	781.3	797.7	811.5	823.4	834.0	841.8	848.3
-40°	655.9	683.9	708.8	731.6	750.7	768.3	782.3	794.9	805.6	814.0	821.0
-42.5°	619.9	647.3	672.6	695.2	715.8	733.7	748.8	762.4	773.4	782.2	789.5
-45°	579.9	607.5	633.2	655.4	676.2	694.2	710.3	724.8	736.1	745.6	753.4
-47.5°	535.5	564.2	589.3	612.2	633.1	650.8	667.0	681.4	693.1	703.2	711.6
-50°	486.9	516.0	541.2	564.9	585.3	603.5	620.0	634.2	645.9	656.0	664.3
-52.5°	433.8	461.8	488.2	512.3	532.6	551.3	568.2	582.1	594.0	604.2	612.7
-55°	377.5	404.5	430.0	453.0	474.1	493.4	510.6	524.5	536.6	547.0	555.5
-57.5°	321.7	345.9	368.8	390.6	410.8	429.3	445.7	460.0	472.5	483.1	491.9
-60°	269.0	288.0	308.6	328.0	345.9	362.3	377.5	391.1	403.0	413.1	421.5
-62.5°	221.9	237.6	253.9	269.0	283.0	296.8	310.2	322.2	332.6	341.5	348.8
-65°	184.0	196.1	207.4	217.9	227.7	239.2	249.6	258.8	266.9	273.8	279.4
-67.5°	151.3	160.3	168.7	176.6	184.7	192.7	199.8	206.1	211.7	216.4	220.3
-70°	123.3	129.6	135.5	141.5	147.9	153.7	159.0	163.6	167.7	171.2	174.0
-72.5°	100.0	104.2	108.4	113.2	117.5	121.5	125.1	128.3	131.1	133.5	135.4
-75°	80.8	84.0	87.4	90.5	93.3	95.9	98.3	100.3	102.1	103.7	104.9
-77.5°	63.5	66.1	68.5	70.8	72.9	74.8	76.5	78.0	79.3	80.4	81.4
-80°	45.4	47.6	49.6	51.5	53.2	54.8	56.2	57.5	58.6	59.6	60.3
-82.5°	28.3	29.8	31.1	32.4	33.6	34.7	35.6	36.5	37.2	37.9	38.4
-85°	14.0	14.7	15.3	15.9	16.5	17.0	17.4	17.8	18.1	18.4	18.7
-87.5°	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.9	5.0	5.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645302 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1A-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	935.7	936.1	936.3	936.4	936.3	936.1	935.7	935.1	933.3	930.0	924.8
-25°	932.1	933.6	934.5	934.8	934.5	933.6	932.1	930.0	926.9	921.5	915.2
-27.5°	923.8	926.2	927.7	928.2	927.7	926.2	923.8	920.5	916.3	910.0	902.9
-30°	911.2	914.0	915.7	916.3	915.7	914.0	911.2	907.4	902.6	895.7	887.5
-32.5°	895.4	898.6	900.6	901.2	900.6	898.6	895.4	891.1	885.5	878.3	869.5
-35°	876.2	879.6	881.6	882.3	881.6	879.6	876.2	871.5	865.5	858.1	848.3
-37.5°	853.5	857.2	859.4	860.2	859.4	857.2	853.5	848.3	841.8	834.0	823.4
-40°	826.5	830.5	832.9	833.7	832.9	830.5	826.5	821.0	814.0	805.6	794.9
-42.5°	795.3	799.5	802.0	802.8	802.0	799.5	795.3	789.5	782.2	773.4	762.4
-45°	759.6	764.0	766.7	767.6	766.7	764.0	759.6	753.4	745.6	736.1	724.8
-47.5°	718.1	722.8	725.7	726.6	725.7	722.8	718.1	711.6	703.2	693.1	681.4
-50°	670.8	675.4	678.3	679.2	678.3	675.4	670.8	664.3	656.0	645.9	634.2
-52.5°	619.3	624.0	626.8	627.8	626.8	624.0	619.3	612.7	604.2	594.0	582.1
-55°	562.2	567.0	569.9	570.9	569.9	567.0	562.2	555.5	547.0	536.6	524.5
-57.5°	498.8	503.7	506.7	507.7	506.7	503.7	498.8	491.9	483.1	472.5	460.0
-60°	428.0	432.7	435.5	436.4	435.5	432.7	428.0	421.5	413.1	403.0	391.1
-62.5°	354.5	358.6	361.1	361.9	361.1	358.6	354.5	348.8	341.5	332.6	322.2
-65°	283.8	287.0	288.9	289.5	288.9	287.0	283.8	279.4	273.8	266.9	258.8
-67.5°	223.3	225.5	226.8	227.2	226.8	225.5	223.3	220.3	216.4	211.7	206.1
-70°	176.2	177.8	178.8	179.1	178.8	177.8	176.2	174.0	171.2	167.7	163.6
-72.5°	136.9	138.0	138.7	138.9	138.7	138.0	136.9	135.4	133.5	131.1	128.3
-75°	105.9	106.6	107.1	107.2	107.1	106.6	105.9	104.9	103.7	102.1	100.3
-77.5°	82.1	82.6	82.9	83.0	82.9	82.6	82.1	81.4	80.4	79.3	78.0
-80°	60.9	61.4	61.6	61.7	61.6	61.4	60.9	60.3	59.6	58.6	57.5
-82.5°	38.8	39.1	39.2	39.3	39.2	39.1	38.8	38.4	37.9	37.2	36.5
-85°	18.9	19.0	19.1	19.1	19.1	19.0	18.9	18.7	18.4	18.1	17.8
-87.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	4.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645302 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1A-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	917.5	907.8	896.3	882.6	865.9	846.3	823.6	797.7	768.3	733.7	694.2
-25°	906.6	896.3	884.0	869.1	851.8	831.9	808.2	781.3	750.7	715.8	676.2
-27.5°	893.4	882.6	869.1	853.7	835.7	814.2	790.2	763.1	731.6	695.2	655.4
-30°	877.6	865.9	851.8	835.7	816.3	794.6	770.2	741.3	708.8	672.6	633.2
-32.5°	859.4	846.3	831.9	814.2	794.6	772.4	746.3	717.1	683.9	647.3	607.5
-35°	837.2	823.6	808.2	790.2	770.2	746.3	719.9	689.3	655.9	619.9	579.9
-37.5°	811.5	797.7	781.3	763.1	741.3	717.1	689.3	658.8	626.1	589.0	548.8
-40°	782.3	768.3	750.7	731.6	708.8	683.9	655.9	626.1	592.1	555.4	515.2
-42.5°	748.8	733.7	715.8	695.2	672.6	647.3	619.9	589.0	555.4	518.5	476.9
-45°	710.3	694.2	676.2	655.4	633.2	607.5	579.9	548.8	515.2	476.9	436.4
-47.5°	667.0	650.8	633.1	612.2	589.3	564.2	535.5	505.1	469.7	432.7	392.8
-50°	620.0	603.5	585.3	564.9	541.2	516.0	486.9	455.3	421.5	385.4	348.4
-52.5°	568.2	551.3	532.6	512.3	488.2	461.8	433.8	403.0	370.7	337.8	303.9
-55°	510.6	493.4	474.1	453.0	430.0	404.5	377.5	349.4	320.3	290.0	262.8
-57.5°	445.7	429.3	410.8	390.6	368.8	345.9	321.7	296.2	272.2	248.1	223.9
-60°	377.5	362.3	345.9	328.0	308.6	288.0	269.0	248.9	227.7	210.5	192.7
-62.5°	310.2	296.8	283.0	269.0	253.9	237.6	221.9	207.8	192.9	177.5	163.9
-65°	249.6	239.2	227.7	217.9	207.4	196.1	184.0	172.5	161.2	149.4	137.5
-67.5°	199.8	192.7	184.7	176.6	168.7	160.3	151.3	141.7	133.2	124.8	116.1
-70°	159.0	153.7	147.9	141.5	135.5	129.6	123.3	116.6	109.6	103.4	97.5
-72.5°	125.1	121.5	117.5	113.2	108.4	104.2	100.0	95.6	90.9	86.0	81.1
-75°	98.3	95.9	93.3	90.5	87.4	84.0	80.8	77.5	73.9	70.2	66.3
-77.5°	76.5	74.8	72.9	70.8	68.5	66.1	63.5	60.7	57.6	54.4	51.0
-80°	56.2	54.8	53.2	51.5	49.6	47.6	45.4	43.0	40.6	38.1	35.7
-82.5°	35.6	34.7	33.6	32.4	31.1	29.8	28.3	26.7	25.1	23.3	21.5
-85°	17.4	17.0	16.5	15.9	15.3	14.7	14.0	13.3	12.5	11.7	10.9
-87.5°	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6
-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: P645302 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-735-U-LAM-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°	3.4	3.3	3.1	2.9	2.7	2.5	2.4	2.2	2.0	1.7	1.5
85°	10.0	9.1	8.1	7.1	6.1	5.1	4.7	4.3	3.9	3.5	3.1
82.5°	19.6	18.1	16.6	15.1	13.6	12.1	10.4	8.8	7.1	5.4	4.6
80°	33.1	30.5	27.7	24.9	22.0	19.0	16.9	14.7	12.4	10.2	7.9
77.5°	47.4	43.8	39.9	36.3	32.7	28.9	25.0	21.1	17.7	14.9	12.0
75°	62.3	57.9	53.3	48.6	43.7	38.8	34.2	29.4	24.6	19.7	16.1
72.5°	76.4	71.5	66.4	61.1	55.4	49.6	43.6	37.7	32.1	26.4	20.6
70°	91.3	84.9	78.9	72.9	66.7	60.3	53.5	46.6	39.5	33.0	26.4
67.5°	107.0	99.8	92.4	84.7	77.6	70.5	63.2	55.5	47.6	39.5	32.1
65°	127.4	116.9	106.3	97.8	89.0	80.4	72.4	64.2	55.5	46.6	37.7
62.5°	149.8	135.9	124.0	111.7	101.1	91.2	81.4	72.4	63.2	53.5	43.6
60°	175.0	159.0	142.5	128.3	114.6	102.1	91.2	80.4	70.5	60.3	49.6
57.5°	203.8	183.0	164.5	146.1	129.8	114.6	101.1	89.0	77.6	66.7	55.4
55°	234.7	210.6	187.5	166.4	146.1	128.3	111.7	97.8	84.7	72.9	61.1
52.5°	271.7	240.5	212.8	187.5	164.5	142.5	124.0	106.3	92.4	78.9	66.4
50°	310.9	274.7	240.5	210.6	183.0	159.0	135.9	116.9	99.8	84.9	71.5
47.5°	352.0	310.9	271.7	234.7	203.8	175.0	149.8	127.4	107.0	91.3	76.4
45°	392.8	348.4	303.9	262.8	223.9	192.7	163.9	137.5	116.1	97.5	81.1
42.5°	432.7	385.4	337.8	290.0	248.1	210.5	177.5	149.4	124.8	103.4	86.0
40°	469.7	421.5	370.7	320.3	272.2	227.7	192.9	161.2	133.2	109.6	90.9
37.5°	505.1	455.3	403.0	349.4	296.2	248.9	207.8	172.5	141.7	116.6	95.6
35°	535.5	486.9	433.8	377.5	321.7	269.0	221.9	184.0	151.3	123.3	100.0
32.5°	564.2	516.0	461.8	404.5	345.9	288.0	237.6	196.1	160.3	129.6	104.2
30°	589.3	541.2	488.2	430.0	368.8	308.6	253.9	207.4	168.7	135.5	108.4
27.5°	612.2	564.9	512.3	453.0	390.6	328.0	269.0	217.9	176.6	141.5	113.2
25°	633.1	585.3	532.6	474.1	410.8	345.9	283.0	227.7	184.7	147.9	117.5
22.5°	650.8	603.5	551.3	493.4	429.3	362.3	296.8	239.2	192.7	153.7	121.5
20°	667.0	620.0	568.2	510.6	445.7	377.5	310.2	249.6	199.8	159.0	125.1
17.5°	681.4	634.2	582.1	524.5	460.0	391.1	322.2	258.8	206.1	163.6	128.3
15°	693.1	645.9	594.0	536.6	472.5	403.0	332.6	266.9	211.7	167.7	131.1
12.5°	703.2	656.0	604.2	547.0	483.1	413.1	341.5	273.8	216.4	171.2	133.5
10°	711.6	664.3	612.7	555.5	491.9	421.5	348.8	279.4	220.3	174.0	135.4
7.5°	718.1	670.8	619.3	562.2	498.8	428.0	354.5	283.8	223.3	176.2	136.9
5°	722.8	675.4	624.0	567.0	503.7	432.7	358.6	287.0	225.5	177.8	138.0
2.5°	725.7	678.3	626.8	569.9	506.7	435.5	361.1	288.9	226.8	178.8	138.7
0°	726.6	679.2	627.8	570.9	507.7	436.4	361.9	289.5	227.2	179.1	138.9
-2.5°	725.7	678.3	626.8	569.9	506.7	435.5	361.1	288.9	226.8	178.8	138.7
-5°	722.8	675.4	624.0	567.0	503.7	432.7	358.6	287.0	225.5	177.8	138.0
-7.5°	718.1	670.8	619.3	562.2	498.8	428.0	354.5	283.8	223.3	176.2	136.9
-10°	711.6	664.3	612.7	555.5	491.9	421.5	348.8	279.4	220.3	174.0	135.4
-12.5°	703.2	656.0	604.2	547.0	483.1	413.1	341.5	273.8	216.4	171.2	133.5
-15°	693.1	645.9	594.0	536.6	472.5	403.0	332.6	266.9	211.7	167.7	131.1
-17.5°	681.4	634.2	582.1	524.5	460.0	391.1	322.2	258.8	206.1	163.6	128.3
-20°	667.0	620.0	568.2	510.6	445.7	377.5	310.2	249.6	199.8	159.0	125.1



REPORT NUMBER: P645302 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	650.8	603.5	551.3	493.4	429.3	362.3	296.8	239.2	192.7	153.7	121.5
-25°	633.1	585.3	532.6	474.1	410.8	345.9	283.0	227.7	184.7	147.9	117.5
-27.5°	612.2	564.9	512.3	453.0	390.6	328.0	269.0	217.9	176.6	141.5	113.2
-30°	589.3	541.2	488.2	430.0	368.8	308.6	253.9	207.4	168.7	135.5	108.4
-32.5°	564.2	516.0	461.8	404.5	345.9	288.0	237.6	196.1	160.3	129.6	104.2
-35°	535.5	486.9	433.8	377.5	321.7	269.0	221.9	184.0	151.3	123.3	100.0
-37.5°	505.1	455.3	403.0	349.4	296.2	248.9	207.8	172.5	141.7	116.6	95.6
-40°	469.7	421.5	370.7	320.3	272.2	227.7	192.9	161.2	133.2	109.6	90.9
-42.5°	432.7	385.4	337.8	290.0	248.1	210.5	177.5	149.4	124.8	103.4	86.0
-45°	392.8	348.4	303.9	262.8	223.9	192.7	163.9	137.5	116.1	97.5	81.1
-47.5°	352.0	310.9	271.7	234.7	203.8	175.0	149.8	127.4	107.0	91.3	76.4
-50°	310.9	274.7	240.5	210.6	183.0	159.0	135.9	116.9	99.8	84.9	71.5
-52.5°	271.7	240.5	212.8	187.5	164.5	142.5	124.0	106.3	92.4	78.9	66.4
-55°	234.7	210.6	187.5	166.4	146.1	128.3	111.7	97.8	84.7	72.9	61.1
-57.5°	203.8	183.0	164.5	146.1	129.8	114.6	101.1	89.0	77.6	66.7	55.4
-60°	175.0	159.0	142.5	128.3	114.6	102.1	91.2	80.4	70.5	60.3	49.6
-62.5°	149.8	135.9	124.0	111.7	101.1	91.2	81.4	72.4	63.2	53.5	43.6
-65°	127.4	116.9	106.3	97.8	89.0	80.4	72.4	64.2	55.5	46.6	37.7
-67.5°	107.0	99.8	92.4	84.7	77.6	70.5	63.2	55.5	47.6	39.5	32.1
-70°	91.3	84.9	78.9	72.9	66.7	60.3	53.5	46.6	39.5	33.0	26.4
-72.5°	76.4	71.5	66.4	61.1	55.4	49.6	43.6	37.7	32.1	26.4	20.6
-75°	62.3	57.9	53.3	48.6	43.7	38.8	34.2	29.4	24.6	19.7	16.1
-77.5°	47.4	43.8	39.9	36.3	32.7	28.9	25.0	21.1	17.7	14.9	12.0
-80°	33.1	30.5	27.7	24.9	22.0	19.0	16.9	14.7	12.4	10.2	7.9
-82.5°	19.6	18.1	16.6	15.1	13.6	12.1	10.4	8.8	7.1	5.4	4.6
-85°	10.0	9.1	8.1	7.1	6.1	5.1	4.7	4.3	3.9	3.5	3.1
-87.5°	3.4	3.3	3.1	2.9	2.7	2.5	2.4	2.2	2.0	1.7	1.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645302 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1A-735-U-LAM-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°	1.3	1.1	0.9	0.7	0.4	0.2	0.0
85°	2.6	2.2	1.8	1.3	0.9	0.4	0.0
82.5°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
80°	5.5	4.4	3.5	2.6	1.8	0.9	0.0
77.5°	9.1	6.1	4.4	3.3	2.2	1.1	0.0
75°	12.6	9.1	5.5	3.9	2.6	1.3	0.0
72.5°	16.1	12.0	7.9	4.6	3.1	1.5	0.0
70°	19.7	14.9	10.2	5.4	3.5	1.7	0.0
67.5°	24.6	17.7	12.4	7.1	3.9	2.0	0.0
65°	29.4	21.1	14.7	8.8	4.3	2.2	0.0
62.5°	34.2	25.0	16.9	10.4	4.7	2.4	0.0
60°	38.8	28.9	19.0	12.1	5.1	2.5	0.0
57.5°	43.7	32.7	22.0	13.6	6.1	2.7	0.0
55°	48.6	36.3	24.9	15.1	7.1	2.9	0.0
52.5°	53.3	39.9	27.7	16.6	8.1	3.1	0.0
50°	57.9	43.8	30.5	18.1	9.1	3.3	0.0
47.5°	62.3	47.4	33.1	19.6	10.0	3.4	0.0
45°	66.3	51.0	35.7	21.5	10.9	3.6	0.0
42.5°	70.2	54.4	38.1	23.3	11.7	3.8	0.0
40°	73.9	57.6	40.6	25.1	12.5	3.9	0.0
37.5°	77.5	60.7	43.0	26.7	13.3	4.0	0.0
35°	80.8	63.5	45.4	28.3	14.0	4.2	0.0
32.5°	84.0	66.1	47.6	29.8	14.7	4.3	0.0
30°	87.4	68.5	49.6	31.1	15.3	4.4	0.0
27.5°	90.5	70.8	51.5	32.4	15.9	4.5	0.0
25°	93.3	72.9	53.2	33.6	16.5	4.6	0.0
22.5°	95.9	74.8	54.8	34.7	17.0	4.7	0.0
20°	98.3	76.5	56.2	35.6	17.4	4.8	0.0
17.5°	100.3	78.0	57.5	36.5	17.8	4.9	0.0
15°	102.1	79.3	58.6	37.2	18.1	4.9	0.0
12.5°	103.7	80.4	59.6	37.9	18.4	5.0	0.0
10°	104.9	81.4	60.3	38.4	18.7	5.0	0.0
7.5°	105.9	82.1	60.9	38.8	18.9	5.1	0.0
5°	106.6	82.6	61.4	39.1	19.0	5.1	0.0
2.5°	107.1	82.9	61.6	39.2	19.1	5.1	0.0
0°	107.2	83.0	61.7	39.3	19.1	5.1	0.0
-2.5°	107.1	82.9	61.6	39.2	19.1	5.1	0.0
-5°	106.6	82.6	61.4	39.1	19.0	5.1	0.0
-7.5°	105.9	82.1	60.9	38.8	18.9	5.1	0.0
-10°	104.9	81.4	60.3	38.4	18.7	5.0	0.0
-12.5°	103.7	80.4	59.6	37.9	18.4	5.0	0.0
-15°	102.1	79.3	58.6	37.2	18.1	4.9	0.0
-17.5°	100.3	78.0	57.5	36.5	17.8	4.9	0.0
-20°	98.3	76.5	56.2	35.6	17.4	4.8	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645302 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1A-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	95.9	74.8	54.8	34.7	17.0	4.7	0.0
-25°	93.3	72.9	53.2	33.6	16.5	4.6	0.0
-27.5°	90.5	70.8	51.5	32.4	15.9	4.5	0.0
-30°	87.4	68.5	49.6	31.1	15.3	4.4	0.0
-32.5°	84.0	66.1	47.6	29.8	14.7	4.3	0.0
-35°	80.8	63.5	45.4	28.3	14.0	4.2	0.0
-37.5°	77.5	60.7	43.0	26.7	13.3	4.0	0.0
-40°	73.9	57.6	40.6	25.1	12.5	3.9	0.0
-42.5°	70.2	54.4	38.1	23.3	11.7	3.8	0.0
-45°	66.3	51.0	35.7	21.5	10.9	3.6	0.0
-47.5°	62.3	47.4	33.1	19.6	10.0	3.4	0.0
-50°	57.9	43.8	30.5	18.1	9.1	3.3	0.0
-52.5°	53.3	39.9	27.7	16.6	8.1	3.1	0.0
-55°	48.6	36.3	24.9	15.1	7.1	2.9	0.0
-57.5°	43.7	32.7	22.0	13.6	6.1	2.7	0.0
-60°	38.8	28.9	19.0	12.1	5.1	2.5	0.0
-62.5°	34.2	25.0	16.9	10.4	4.7	2.4	0.0
-65°	29.4	21.1	14.7	8.8	4.3	2.2	0.0
-67.5°	24.6	17.7	12.4	7.1	3.9	2.0	0.0
-70°	19.7	14.9	10.2	5.4	3.5	1.7	0.0
-72.5°	16.1	12.0	7.9	4.6	3.1	1.5	0.0
-75°	12.6	9.1	5.5	3.9	2.6	1.3	0.0
-77.5°	9.1	6.1	4.4	3.3	2.2	1.1	0.0
-80°	5.5	4.4	3.5	2.6	1.8	0.9	0.0
-82.5°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
-85°	2.6	2.2	1.8	1.3	0.9	0.4	0.0
-87.5°	1.3	1.1	0.9	0.7	0.4	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)