

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: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1D-727-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
 Report Number: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)
 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)
 Test Lab: COOPER LIGHTING SOLUTIONS
 Issue Date: 12/7/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: MCGRAW-EDISON
 Catalog Number: GFLD-SA1D-727-U-VWR-VSR-XX
 Description: GALLEON FLOOD, ONE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
 Light Source: (16) 2700K CCT, 70 CRI LEDS
 Ballast/Driver: -

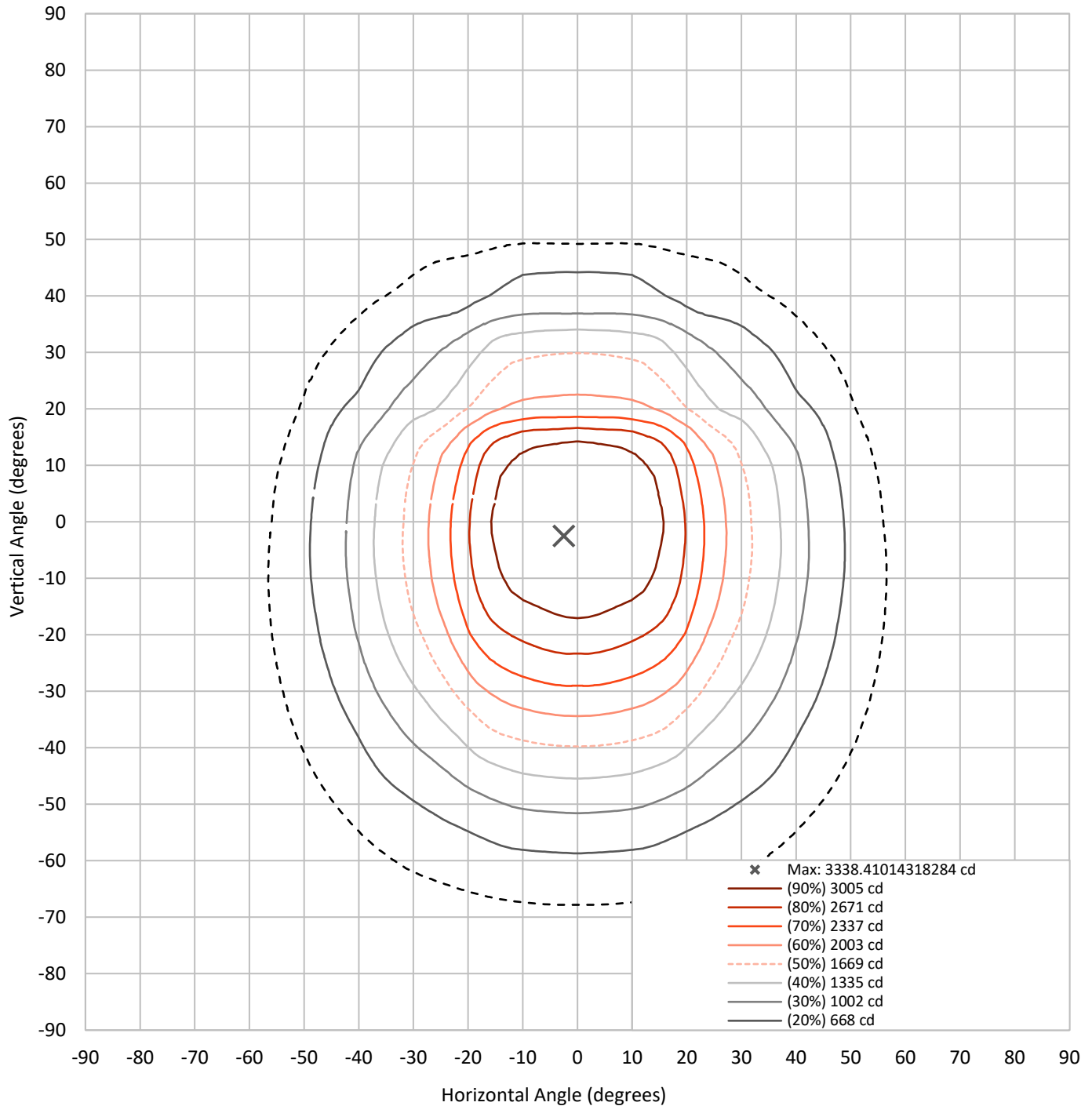
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	4455.2 lumens	Max Intensity:	3338.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	77.8 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	2577.6 lumens	Field Lumens:	4227.7 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	57.3		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



REPORT NUMBER: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1D-727-U-VWR-VSR-XX

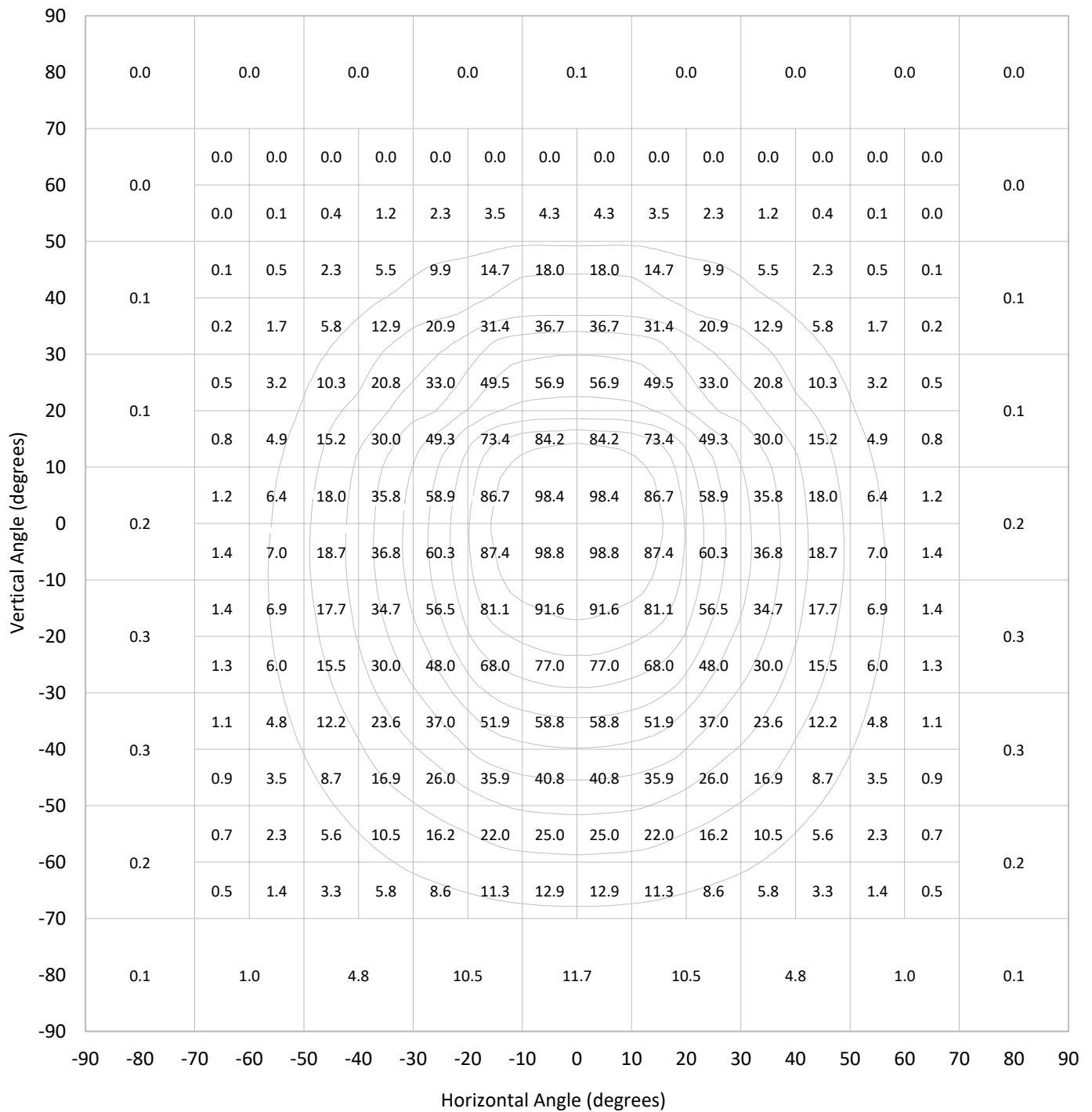
Iso-Candela Plot





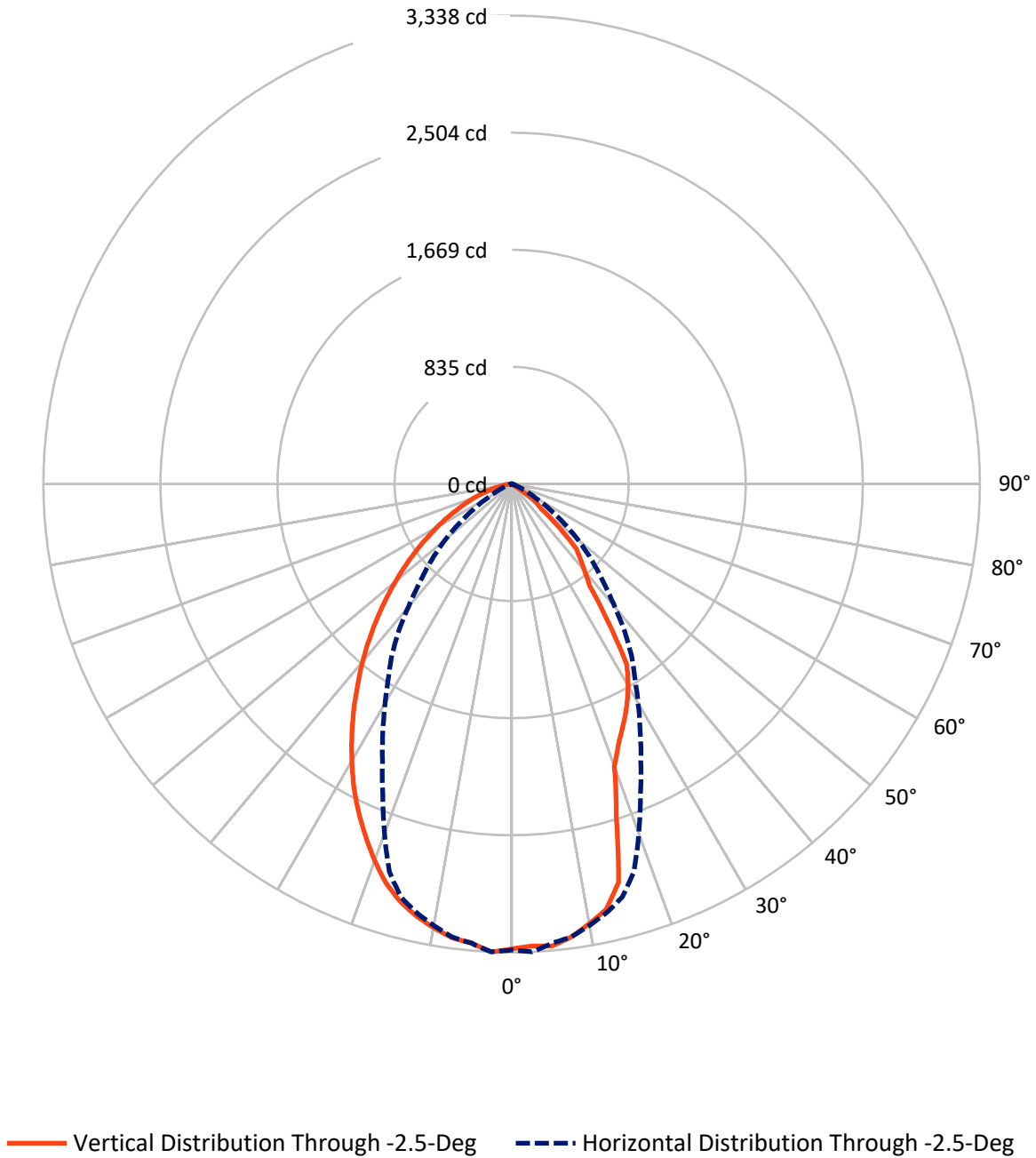
REPORT NUMBER: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-727-U-VWR-VSR-XX

Lumen Table



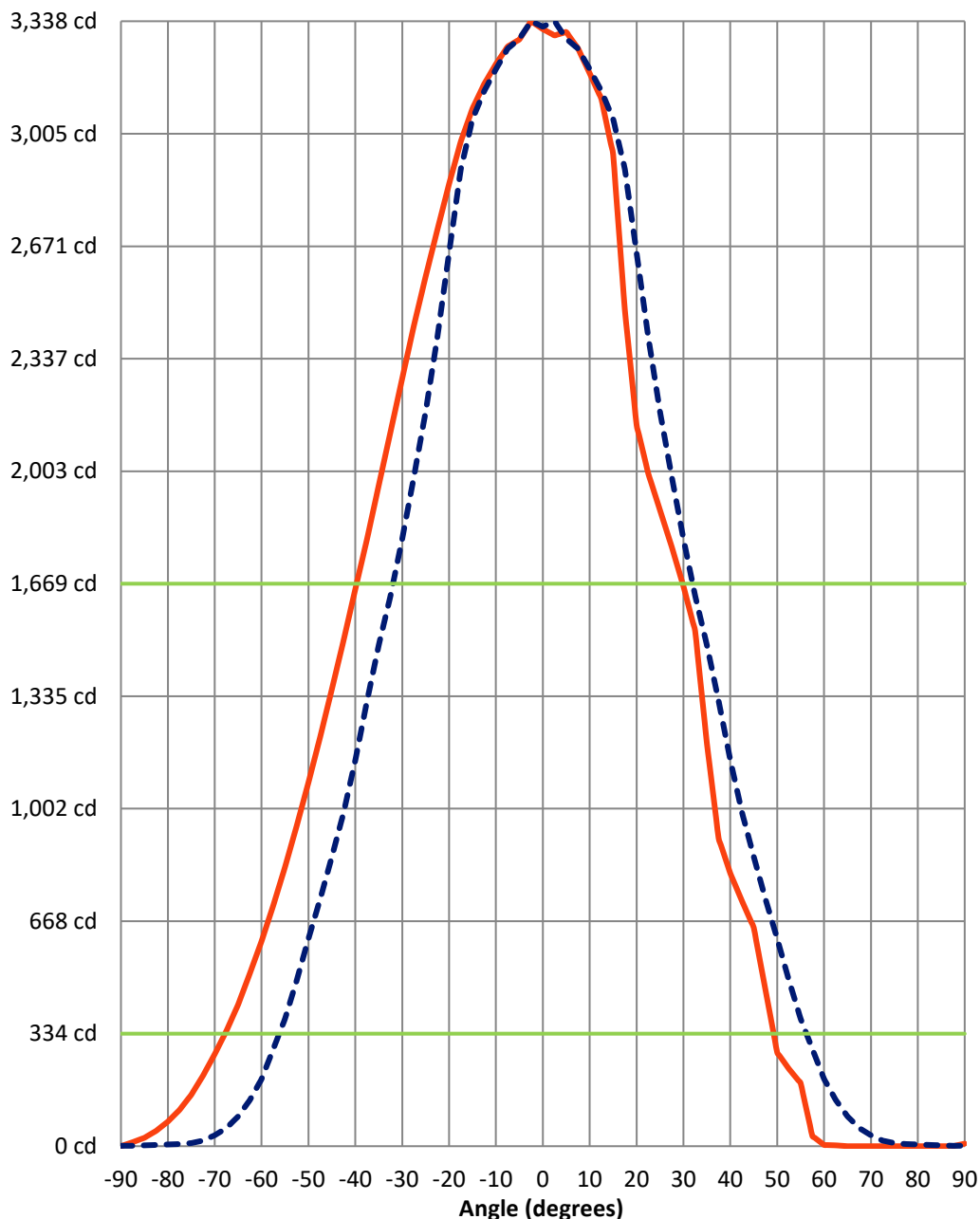
REPORT NUMBER: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1D-727-U-VWR-VSR-XX

Luminous Intensity Polar Plot



REPORT NUMBER: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-727-U-VWR-VSR-XX

Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 2577.6
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 4227.7
 Efficiency: 94.9%

Spill:
 Lumens: 227.5
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg
 - - - Horizontal Distribution through -2.5-Deg

Classified

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

Scaled Data Report



REPORT NUMBER: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-727-U-VWR-VSR-XX

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	1.2	1.2	1.2	1.5	1.9	2.2	2.5	2.8	3.1	3.4	3.7
87.5°	1.2	1.2	1.2	1.2	1.1	1.0	0.9	0.6	0.4	0.2	0.0
85°	1.2	1.2	1.2	1.1	1.0	0.8	0.6	0.4	0.2	0.1	0.0
82.5°	1.2	1.2	1.2	1.1	0.9	0.6	0.3	0.1	0.0	0.2	0.3
80°	1.2	1.2	1.2	1.1	0.8	0.4	0.1	0.2	0.4	0.6	0.8
77.5°	1.2	1.2	1.2	1.0	0.7	0.4	0.4	0.6	0.8	1.1	1.1
75°	1.2	1.2	1.2	1.0	0.7	0.6	0.7	0.9	1.2	1.0	0.6
72.5°	1.2	1.2	1.2	1.0	0.8	0.8	1.0	1.2	1.0	0.7	0.2
70°	1.2	1.2	1.2	1.0	0.9	1.0	1.2	1.1	0.9	0.5	0.6
67.5°	1.2	1.2	1.2	1.0	1.0	1.1	1.2	1.1	0.8	0.9	1.1
65°	1.2	1.2	1.2	1.0	1.0	1.2	1.3	1.1	1.2	1.4	1.5
62.5°	1.2	1.2	1.2	1.1	1.1	1.3	1.4	1.4	1.7	1.9	1.7
60°	1.2	1.2	1.2	1.1	1.2	1.5	1.4	1.8	2.1	2.1	1.9
57.5°	1.2	1.2	1.2	1.1	1.3	1.6	1.7	2.1	2.5	2.5	2.4
55°	1.2	1.2	1.2	1.2	1.5	1.7	2.1	2.5	2.8	2.9	3.0
52.5°	1.2	1.2	1.3	1.2	1.6	1.9	2.4	2.9	3.2	3.4	3.6
50°	1.2	1.2	1.3	1.2	1.7	2.1	2.7	3.2	3.7	4.0	4.2
47.5°	1.2	1.2	1.3	1.2	1.9	2.4	3.0	3.6	4.1	4.5	4.8
45°	1.2	1.2	1.4	1.3	2.0	2.6	3.3	3.9	4.6	5.0	5.3
42.5°	1.2	1.2	1.4	1.5	2.2	2.9	3.6	4.3	5.1	5.5	6.5
40°	1.2	1.2	1.4	1.6	2.4	3.1	3.8	4.7	5.6	6.0	7.8
37.5°	1.2	1.2	1.5	1.8	2.6	3.3	4.1	5.2	6.1	6.8	9.1
35°	1.2	1.2	1.6	2.0	2.7	3.5	4.4	5.6	6.6	8.4	11.5
32.5°	1.2	1.2	1.6	2.1	2.9	3.8	4.7	6.1	7.2	10.3	16.5
30°	1.2	1.2	1.7	2.3	3.0	4.0	5.1	6.6	7.8	12.4	21.2
27.5°	1.2	1.2	1.7	2.4	3.2	4.2	5.4	7.1	8.8	14.7	25.8
25°	1.2	1.2	1.8	2.6	3.4	4.3	5.8	7.6	10.6	18.1	30.4
22.5°	1.2	1.2	1.9	2.7	3.6	4.5	6.2	8.0	12.5	21.9	36.4
20°	1.2	1.2	2.0	2.9	3.8	4.8	6.5	8.5	14.5	25.4	42.3
17.5°	1.2	1.2	2.0	3.0	4.0	5.0	6.9	9.0	16.5	28.8	48.2
15°	1.2	1.2	2.1	3.1	4.1	5.2	7.2	9.7	18.5	31.9	53.9
12.5°	1.2	1.2	2.2	3.2	4.3	5.4	7.5	10.5	20.7	34.8	59.3
10°	1.2	1.2	2.2	3.3	4.5	5.6	7.8	11.4	23.1	38.2	64.8
7.5°	1.2	1.2	2.3	3.4	4.6	5.7	8.1	12.4	25.4	41.5	70.5
5°	1.2	1.2	2.4	3.5	4.8	5.9	8.3	13.3	27.5	44.5	75.8
2.5°	1.2	1.2	2.4	3.6	4.9	6.1	8.5	14.2	29.5	47.3	80.6
0°	1.2	1.2	2.5	3.7	5.0	6.2	8.7	15.0	31.2	49.8	84.7
-2.5°	1.2	1.2	2.5	3.7	5.1	6.3	9.2	16.5	32.4	53.7	88.4
-5°	1.2	1.2	2.5	3.7	5.2	6.5	9.6	17.9	33.4	57.2	91.5
-7.5°	1.2	1.2	2.5	3.7	5.3	6.6	10.0	19.1	34.2	60.0	93.9
-10°	1.2	1.2	2.5	3.6	5.3	6.7	10.4	20.1	34.7	62.1	95.6
-12.5°	1.2	1.2	2.4	3.6	5.3	6.8	10.6	20.8	35.1	63.2	97.0
-15°	1.2	1.2	2.4	3.6	5.4	6.8	10.8	21.3	35.8	63.0	97.5
-17.5°	1.2	1.2	2.4	3.5	5.3	6.9	10.8	21.7	36.9	62.4	96.9
-20°	1.2	1.2	2.3	3.5	5.3	6.9	11.1	22.2	37.6	61.2	95.1

Classified

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

Scaled Data Report



REPORT NUMBER: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	1.2	1.2	2.3	3.4	5.2	7.0	11.8	22.4	37.9	59.6	92.1
-25°	1.2	1.2	2.3	3.4	5.1	7.4	12.4	22.3	37.8	57.5	87.7
-27.5°	1.2	1.2	2.2	3.3	5.0	8.0	12.9	22.0	37.3	55.7	84.6
-30°	1.2	1.2	2.2	3.2	4.9	8.5	13.2	21.4	36.6	54.9	81.0
-32.5°	1.2	1.2	2.1	3.1	5.1	8.9	13.3	21.4	35.7	53.5	77.1
-35°	1.2	1.2	2.0	3.0	5.2	9.2	13.7	21.5	34.4	51.6	72.6
-37.5°	1.2	1.2	2.0	3.0	5.3	9.4	14.0	21.4	32.8	49.0	70.6
-40°	1.2	1.2	1.9	2.9	5.3	9.5	14.3	21.2	30.9	46.6	68.4
-42.5°	1.2	1.2	1.8	2.8	5.4	9.5	14.3	20.7	29.8	44.7	65.0
-45°	1.2	1.2	1.7	2.8	5.4	9.4	14.3	20.2	29.0	42.3	60.7
-47.5°	1.2	1.2	1.7	2.8	5.4	9.3	14.0	19.9	28.0	39.5	57.4
-50°	1.2	1.2	1.6	2.8	5.3	9.1	13.7	19.4	27.1	38.5	53.4
-52.5°	1.2	1.2	1.5	2.7	5.1	8.8	13.4	18.8	26.4	37.1	49.1
-55°	1.2	1.2	1.4	2.6	4.9	8.4	12.9	17.9	25.6	35.4	47.1
-57.5°	1.2	1.2	1.3	2.5	4.6	8.0	12.3	17.2	24.4	33.7	44.6
-60°	1.2	1.2	1.2	2.4	4.3	7.4	11.6	16.3	22.9	31.6	41.8
-62.5°	1.2	1.2	1.2	2.3	4.1	6.8	10.7	15.2	21.0	29.1	38.6
-65°	1.2	1.2	1.2	2.1	3.8	6.1	9.7	13.8	18.7	25.8	34.9
-67.5°	1.2	1.2	1.2	1.9	3.5	5.5	8.5	12.1	16.0	22.0	30.0
-70°	1.2	1.2	1.2	1.8	3.2	5.0	7.2	10.3	13.7	17.7	24.2
-72.5°	1.2	1.2	1.2	1.7	2.8	4.4	6.4	8.4	11.3	14.7	18.5
-75°	1.2	1.2	1.2	1.7	2.4	3.8	5.6	7.1	8.8	11.6	14.7
-77.5°	1.2	1.2	1.2	1.7	2.3	3.2	4.7	6.0	7.3	8.8	10.8
-80°	1.2	1.2	1.2	1.7	2.2	2.9	3.8	4.8	5.9	7.1	8.3
-82.5°	1.2	1.2	1.2	1.6	2.1	2.7	3.4	3.9	4.4	5.3	6.3
-85°	1.2	1.2	1.2	1.6	2.1	2.6	3.1	3.5	3.9	4.4	4.8
-87.5°	1.2	1.2	1.2	1.6	2.0	2.4	2.8	3.2	3.5	3.9	4.2
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.9	0.6	0.3	0.0



REPORT NUMBER: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	4.0	4.4	4.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.2	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.7	0.7	0.5	0.2	0.0	0.1	0.2	0.1	0.0	0.1	0.2
67.5°	1.1	0.8	0.5	0.3	0.5	0.6	0.6	0.6	0.7	0.7	0.6
65°	1.2	0.9	0.9	1.1	1.2	1.3	1.4	1.5	1.3	1.1	1.1
62.5°	1.3	1.4	1.6	1.8	2.0	2.2	2.2	1.9	1.4	1.8	2.1
60°	1.8	2.0	2.3	2.5	2.8	2.9	2.8	2.8	3.1	3.6	7.0
57.5°	2.5	2.7	3.0	3.4	3.7	3.7	3.9	4.2	9.9	16.1	17.8
55°	3.1	3.3	3.8	4.4	4.8	4.8	6.8	14.4	21.7	30.1	33.2
52.5°	3.8	4.0	4.9	5.7	6.2	9.6	17.3	27.6	38.4	48.0	60.5
50°	4.4	5.3	6.2	7.4	11.7	20.7	31.9	46.0	62.3	77.7	93.5
47.5°	5.5	6.7	8.1	11.6	23.1	35.6	51.1	73.7	93.9	112.5	134.1
45°	6.8	9.2	10.8	23.0	36.3	52.4	78.8	106.4	124.7	149.6	187.8
42.5°	8.2	12.8	20.6	34.7	51.0	76.9	109.7	133.2	157.5	197.8	238.0
40°	11.8	17.1	31.1	47.8	68.5	106.3	139.9	166.6	199.7	244.4	286.4
37.5°	16.2	26.1	41.8	61.8	96.0	137.4	173.4	211.4	249.5	291.7	369.5
35°	21.0	34.5	55.3	82.4	123.4	171.9	214.8	257.2	301.2	384.3	461.5
32.5°	27.4	42.2	69.4	106.3	153.1	206.3	256.1	305.2	375.7	469.8	547.3
30°	34.2	54.5	85.7	128.4	181.1	237.8	297.7	357.2	450.5	528.3	612.5
27.5°	41.3	67.5	104.8	151.5	207.3	267.5	335.1	420.0	503.2	580.2	672.6
25°	48.7	81.1	122.2	173.6	233.0	299.7	377.4	480.8	545.9	630.9	727.3
22.5°	58.1	94.1	139.5	193.7	256.9	332.7	431.8	535.7	612.4	683.8	778.0
20°	68.9	108.8	158.4	218.8	280.2	365.0	486.0	595.2	685.4	767.2	853.7
17.5°	79.1	122.5	178.5	244.4	314.3	406.4	539.1	660.0	759.2	850.3	958.3
15°	88.5	135.1	198.2	268.6	347.7	453.8	586.7	719.5	832.7	935.3	1058.0
12.5°	97.1	146.7	217.2	291.3	379.3	494.7	626.7	756.3	880.8	1014.4	1153.7
10°	104.9	157.1	235.1	312.3	408.5	529.2	659.8	787.0	912.6	1054.1	1208.8
7.5°	113.2	166.8	251.4	331.4	435.1	557.8	686.2	811.6	938.3	1085.7	1244.6
5°	120.8	175.8	264.3	345.0	455.6	580.0	706.0	830.3	957.8	1109.4	1271.7
2.5°	127.6	183.3	274.9	355.7	470.8	596.4	718.9	845.9	972.3	1128.5	1292.4
0°	133.3	189.4	282.9	363.9	482.3	608.1	726.5	856.1	980.8	1141.5	1306.0
-2.5°	137.0	199.4	288.4	378.2	492.3	615.8	733.3	859.0	989.9	1145.6	1321.3
-5°	139.5	207.5	291.8	389.3	498.9	619.2	735.6	856.8	992.3	1144.6	1323.6
-7.5°	141.0	213.2	293.3	395.6	501.2	617.2	731.8	852.6	988.3	1140.7	1313.7
-10°	141.9	215.0	295.4	393.7	498.2	610.5	723.4	842.7	977.0	1127.9	1294.9
-12.5°	144.3	213.9	295.0	389.5	491.6	600.4	710.9	827.0	958.1	1106.2	1268.9
-15°	144.9	211.3	291.5	383.3	481.6	587.2	694.5	805.5	934.9	1085.0	1240.1
-17.5°	143.6	207.4	284.6	375.4	468.2	571.2	675.2	786.1	913.1	1060.6	1209.9
-20°	140.3	202.4	274.2	366.1	452.3	553.4	655.9	765.8	888.1	1026.7	1176.2



REPORT NUMBER: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	134.8	196.4	262.9	353.2	438.5	533.0	633.3	738.2	856.7	982.7	1130.8
-25°	129.2	189.5	254.0	335.3	422.0	509.2	607.3	704.3	819.9	943.6	1074.9
-27.5°	123.8	180.0	244.8	315.8	402.5	483.7	577.9	672.5	778.4	899.7	1020.6
-30°	116.8	169.6	233.5	297.0	379.3	459.7	545.1	638.3	733.4	848.6	967.5
-32.5°	110.6	158.8	220.6	282.7	354.2	432.7	509.8	598.6	691.5	789.6	907.1
-35°	106.4	152.5	207.0	266.2	328.7	403.4	476.7	553.8	643.7	735.8	839.1
-37.5°	103.1	145.1	192.7	249.0	308.4	372.5	441.2	512.1	590.6	683.5	780.5
-40°	97.9	136.9	182.1	232.6	285.0	343.3	407.0	471.3	539.3	630.0	725.7
-42.5°	91.1	128.9	172.1	214.7	262.6	315.8	372.5	433.0	498.4	577.1	665.1
-45°	85.9	118.8	161.0	199.1	238.8	287.4	340.6	395.4	457.1	524.8	603.8
-47.5°	79.3	107.7	146.4	182.1	217.0	258.5	307.2	359.1	413.7	474.7	539.5
-50°	72.3	98.4	128.6	163.4	196.7	231.2	272.7	320.6	370.2	423.3	481.2
-52.5°	67.0	87.6	115.2	144.1	175.8	207.1	242.5	283.6	327.9	372.2	423.1
-55°	60.9	79.7	102.4	128.3	155.3	184.3	216.4	252.5	288.6	329.3	369.9
-57.5°	56.7	72.0	91.7	114.2	138.5	163.2	193.5	223.9	257.3	291.1	324.7
-60°	53.3	65.4	81.7	101.6	123.2	146.3	171.2	199.3	228.0	255.5	284.6
-62.5°	49.5	60.0	72.8	89.0	108.5	128.6	150.5	174.6	200.6	223.8	246.4
-65°	44.6	53.7	64.6	77.8	93.2	110.1	128.8	149.2	171.7	190.5	208.9
-67.5°	38.9	46.6	55.8	66.5	79.3	92.6	106.3	123.5	141.7	157.1	172.1
-70°	31.8	38.9	46.4	55.2	65.2	76.4	88.5	101.0	113.5	126.0	139.8
-72.5°	24.3	30.8	37.2	43.5	51.5	60.6	70.5	80.9	91.8	102.6	113.0
-75°	18.5	22.7	28.3	34.0	39.5	45.5	52.1	60.5	70.6	81.0	90.5
-77.5°	14.0	17.5	21.2	25.1	28.6	33.0	37.9	43.0	51.4	61.0	70.7
-80°	10.1	12.3	15.2	18.3	20.8	23.2	25.7	28.4	34.6	42.3	50.5
-82.5°	7.5	9.0	10.6	12.4	13.7	14.9	16.2	17.9	22.6	27.8	33.3
-85°	5.2	5.6	6.5	7.5	8.2	8.9	9.6	10.3	12.8	15.6	18.6
-87.5°	4.4	4.6	4.9	5.1	5.2	5.3	5.4	5.5	6.3	7.2	8.1
-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: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.0	5.3	5.6	5.9	6.2	6.5	6.9	7.2	7.5	7.5	7.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.5	0.6	0.6	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.3	1.2	0.9	0.6	0.3	0.5	0.8	0.9	0.9	0.8	0.6
62.5°	1.9	1.8	1.6	1.9	2.3	2.6	2.5	2.4	2.2	2.1	2.2
60°	7.4	4.9	5.7	7.1	6.6	4.5	7.5	8.5	7.2	4.9	4.8
57.5°	18.7	18.0	20.7	30.2	33.2	30.2	36.1	43.9	43.6	37.6	37.4
55°	39.8	53.4	69.8	72.5	83.9	106.8	124.7	116.8	116.8	122.6	141.6
52.5°	75.6	88.4	93.2	106.0	129.9	147.2	158.3	169.8	182.5	195.3	208.4
50°	111.0	123.4	137.6	150.6	183.7	201.4	198.4	222.3	252.9	272.0	281.8
47.5°	162.7	182.3	212.2	259.1	283.7	301.6	323.8	350.8	385.8	433.3	469.9
45°	223.7	254.5	300.8	350.6	388.9	406.3	431.7	473.6	529.4	583.7	623.4
42.5°	273.5	315.9	368.1	415.6	446.8	475.5	508.4	543.7	607.6	665.7	711.6
40°	338.6	371.6	430.1	474.9	502.9	531.3	583.4	636.2	696.3	750.4	788.0
37.5°	421.0	458.2	519.0	569.7	596.7	606.7	695.2	768.8	817.7	886.7	909.3
35°	509.6	570.7	648.3	714.0	740.4	793.1	884.3	987.0	1098.2	1139.1	1174.0
32.5°	608.4	683.8	789.1	859.6	897.3	977.2	1092.6	1202.2	1347.7	1426.7	1450.2
30°	698.8	785.3	875.8	944.4	1008.7	1105.0	1210.2	1345.4	1479.9	1580.9	1612.2
27.5°	765.1	860.8	947.9	1012.0	1084.7	1188.5	1319.7	1456.6	1588.6	1691.6	1728.2
25°	828.4	936.7	1005.5	1080.2	1165.5	1278.5	1424.0	1576.1	1706.1	1793.2	1838.1
22.5°	900.4	1007.1	1081.1	1144.3	1255.8	1386.1	1521.2	1693.0	1830.8	1900.2	1948.9
20°	974.7	1095.5	1209.7	1268.6	1365.0	1530.1	1681.2	1843.4	1976.4	2048.8	2100.1
17.5°	1078.4	1232.3	1372.4	1455.7	1559.1	1756.4	1945.0	2109.1	2294.2	2359.6	2422.2
15°	1187.8	1365.9	1530.1	1662.0	1795.5	1991.0	2233.8	2431.8	2643.0	2737.3	2843.9
12.5°	1296.8	1465.4	1614.1	1784.2	1972.4	2145.3	2376.5	2623.0	2814.7	2935.0	3006.8
10°	1378.3	1534.8	1677.9	1848.6	2036.4	2232.0	2461.6	2714.4	2915.0	3017.6	3076.2
7.5°	1422.3	1572.1	1723.1	1896.0	2082.9	2291.2	2527.9	2778.7	2983.8	3083.2	3141.1
5°	1455.0	1598.9	1755.1	1937.2	2126.2	2337.4	2573.8	2821.5	3008.5	3114.2	3187.4
2.5°	1474.8	1615.8	1775.6	1963.8	2153.3	2373.2	2621.1	2877.9	3041.5	3126.5	3193.8
0°	1480.5	1622.5	1787.0	1977.7	2172.1	2393.9	2639.4	2893.7	3059.4	3141.7	3210.2
-2.5°	1487.0	1633.2	1802.2	1986.8	2179.5	2400.8	2651.3	2899.0	3048.2	3131.1	3196.3
-5°	1482.5	1634.0	1802.5	1979.3	2173.3	2392.8	2633.3	2864.9	3020.9	3110.6	3175.5
-7.5°	1469.1	1622.8	1789.5	1959.4	2149.7	2371.7	2611.2	2834.3	2992.2	3086.9	3157.8
-10°	1449.5	1598.8	1766.7	1938.7	2126.8	2338.0	2573.9	2795.6	2946.8	3047.3	3129.9
-12.5°	1427.9	1574.1	1735.9	1900.9	2086.9	2295.5	2524.0	2733.9	2884.2	2993.8	3052.9
-15°	1395.8	1541.9	1696.6	1856.2	2037.5	2239.9	2458.2	2659.6	2807.2	2896.3	2961.7
-17.5°	1355.0	1498.4	1645.1	1796.4	1967.2	2166.6	2386.2	2584.8	2705.1	2784.7	2848.9
-20°	1311.4	1443.9	1582.9	1725.8	1891.3	2088.7	2304.4	2477.7	2591.1	2667.6	2728.2



REPORT NUMBER: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1261.5	1389.1	1516.4	1652.9	1815.2	1996.3	2186.8	2354.2	2476.1	2545.8	2601.8
-25°	1204.5	1328.7	1449.5	1581.4	1730.6	1893.3	2070.5	2235.0	2344.2	2418.2	2473.7
-27.5°	1143.2	1259.8	1377.9	1496.3	1630.4	1792.6	1956.6	2109.4	2202.6	2277.2	2333.1
-30°	1082.0	1186.9	1296.1	1408.2	1534.1	1680.3	1833.8	1962.2	2060.5	2133.0	2184.9
-32.5°	1015.6	1115.2	1211.9	1316.7	1435.2	1564.1	1698.8	1821.0	1926.0	1992.4	2036.2
-35°	947.7	1044.1	1132.7	1227.7	1332.3	1443.5	1567.8	1688.3	1792.1	1844.6	1887.2
-37.5°	876.9	973.0	1057.0	1136.5	1226.5	1329.5	1450.5	1565.6	1655.2	1700.4	1738.7
-40°	815.4	900.0	975.6	1051.6	1124.8	1216.3	1329.2	1440.6	1512.5	1556.5	1592.2
-42.5°	755.6	827.0	888.9	957.1	1030.4	1120.5	1211.7	1305.0	1362.8	1411.7	1449.3
-45°	686.1	749.9	807.9	864.6	931.4	1013.7	1096.5	1171.3	1225.5	1272.7	1309.3
-47.5°	609.1	670.7	727.1	777.7	839.9	908.5	978.2	1040.5	1093.9	1140.6	1173.2
-50°	537.4	592.4	647.4	698.7	752.6	808.1	864.7	919.3	970.0	1015.4	1043.2
-52.5°	473.2	523.9	572.0	616.8	664.0	710.9	757.7	807.8	854.5	897.4	919.5
-55°	415.0	460.8	504.2	542.0	579.8	617.0	657.1	703.3	746.3	786.1	802.0
-57.5°	362.8	402.0	440.4	472.4	503.2	532.8	568.1	607.1	644.7	678.8	691.8
-60°	314.8	345.9	378.0	406.4	433.3	458.6	489.4	520.8	551.3	577.0	588.1
-62.5°	270.7	297.3	321.6	344.6	367.4	390.3	415.1	440.0	464.6	484.4	494.4
-65°	228.2	249.3	268.9	287.8	306.2	325.4	344.8	363.7	382.0	396.1	404.8
-67.5°	188.2	204.3	219.8	234.6	249.9	265.5	280.7	295.2	308.9	319.8	328.1
-70°	152.7	165.2	177.3	189.6	202.4	214.5	226.0	236.8	247.0	254.9	261.3
-72.5°	123.1	133.2	143.7	154.7	165.1	174.2	182.4	190.3	197.9	202.4	205.7
-75°	99.2	107.7	116.9	125.8	134.4	141.3	147.4	153.2	158.9	159.2	158.0
-77.5°	80.2	87.8	94.9	101.9	108.8	113.0	116.7	120.5	124.4	122.2	118.6
-80°	58.8	65.2	71.2	77.2	83.3	85.8	87.5	89.0	90.3	87.4	83.8
-82.5°	39.1	43.0	46.9	50.9	54.9	56.6	57.7	58.7	59.5	56.9	53.9
-85°	21.8	23.7	25.6	27.5	29.4	30.5	31.5	32.5	33.4	31.8	30.0
-87.5°	9.1	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.3	12.4	12.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.4	0.1	0.0	0.0	0.0	0.1	0.4	0.6	0.8	0.9	0.9
62.5°	2.3	2.4	2.5	2.5	2.5	2.4	2.3	2.2	2.1	2.2	2.4
60°	4.4	3.8	3.7	3.7	3.7	3.8	4.4	4.8	4.9	7.2	8.5
57.5°	34.5	29.6	30.3	33.6	30.3	29.6	34.5	37.4	37.6	43.6	43.9
55°	161.5	180.3	186.9	183.2	186.9	180.3	161.5	141.6	122.6	116.8	116.8
52.5°	218.7	226.4	229.4	229.3	229.4	226.4	218.7	208.4	195.3	182.5	169.8
50°	284.7	282.1	278.1	274.2	278.1	282.1	284.7	281.8	272.0	252.9	222.3
47.5°	475.2	467.0	463.5	469.8	463.5	467.0	475.2	469.9	433.3	385.8	350.8
45°	631.6	641.2	648.4	648.0	648.4	641.2	631.6	623.4	583.7	529.4	473.6
42.5°	720.5	725.7	727.2	725.3	727.2	725.7	720.5	711.6	665.7	607.6	543.7
40°	799.9	806.0	809.4	812.5	809.4	806.0	799.9	788.0	750.4	696.3	636.2
37.5°	916.8	919.0	914.1	911.0	914.1	919.0	916.8	909.3	886.7	817.7	768.8
35°	1203.4	1209.3	1195.7	1210.1	1195.7	1209.3	1203.4	1174.0	1139.1	1098.2	987.0
32.5°	1478.3	1505.9	1528.2	1546.5	1528.2	1505.9	1478.3	1450.2	1426.7	1347.7	1202.2
30°	1634.1	1651.9	1661.4	1663.7	1661.4	1651.9	1634.1	1612.2	1580.9	1479.9	1345.4
27.5°	1748.4	1767.0	1778.6	1787.0	1778.6	1767.0	1748.4	1728.2	1691.6	1588.6	1456.6
25°	1858.6	1875.7	1887.2	1891.7	1887.2	1875.7	1858.6	1838.1	1793.2	1706.1	1576.1
22.5°	1973.0	1984.8	1995.9	2001.4	1995.9	1984.8	1973.0	1948.9	1900.2	1830.8	1693.0
20°	2136.9	2130.5	2140.7	2137.2	2140.7	2130.5	2136.9	2100.1	2048.8	1976.4	1843.4
17.5°	2471.0	2474.5	2481.2	2492.4	2481.2	2474.5	2471.0	2422.2	2359.6	2294.2	2109.1
15°	2891.1	2899.6	2942.5	2980.9	2942.5	2899.6	2891.1	2843.9	2737.3	2643.0	2431.8
12.5°	3073.4	3102.6	3107.2	3118.0	3107.2	3102.6	3073.4	3006.8	2935.0	2814.7	2623.0
10°	3134.2	3184.9	3183.8	3196.5	3183.8	3184.9	3134.2	3076.2	3017.6	2915.0	2714.4
7.5°	3180.3	3234.8	3257.7	3267.5	3257.7	3234.8	3180.3	3141.1	3083.2	2983.8	2778.7
5°	3236.7	3266.6	3306.3	3294.9	3306.3	3266.6	3236.7	3187.4	3114.2	3008.5	2821.5
2.5°	3260.3	3307.2	3296.3	3307.4	3296.3	3307.2	3260.3	3193.8	3126.5	3041.5	2877.9
0°	3276.2	3309.9	3314.9	3326.1	3314.9	3309.9	3276.2	3210.2	3141.7	3059.4	2893.7
-2.5°	3256.9	3286.6	3338.4	3322.4	3338.4	3286.6	3256.9	3196.3	3131.1	3048.2	2899.0
-5°	3240.0	3312.9	3284.5	3319.9	3284.5	3312.9	3240.0	3175.5	3110.6	3020.9	2864.9
-7.5°	3231.2	3244.3	3263.1	3290.0	3263.1	3244.3	3231.2	3157.8	3086.9	2992.2	2834.3
-10°	3163.6	3177.0	3211.5	3230.1	3211.5	3177.0	3163.6	3129.9	3047.3	2946.8	2795.6
-12.5°	3090.2	3116.1	3152.3	3164.1	3152.3	3116.1	3090.2	3052.9	2993.8	2884.2	2733.9
-15°	3005.7	3044.1	3079.4	3086.8	3079.4	3044.1	3005.7	2961.7	2896.3	2807.2	2659.6
-17.5°	2898.3	2944.2	2981.4	2989.6	2981.4	2944.2	2898.3	2848.9	2784.7	2705.1	2584.8
-20°	2779.9	2823.9	2855.5	2865.0	2855.5	2823.9	2779.9	2728.2	2667.6	2591.1	2477.7



REPORT NUMBER: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2653.1	2692.7	2719.4	2715.5	2719.4	2692.7	2653.1	2601.8	2545.8	2476.1	2354.2
-25°	2518.5	2555.3	2580.7	2577.1	2580.7	2555.3	2518.5	2473.7	2418.2	2344.2	2235.0
-27.5°	2376.2	2411.1	2435.5	2436.3	2435.5	2411.1	2376.2	2333.1	2277.2	2202.6	2109.4
-30°	2226.7	2258.4	2278.3	2270.6	2278.3	2258.4	2226.7	2184.9	2133.0	2060.5	1962.2
-32.5°	2072.5	2101.2	2119.4	2124.8	2119.4	2101.2	2072.5	2036.2	1992.4	1926.0	1821.0
-35°	1920.4	1945.7	1961.4	1965.3	1961.4	1945.7	1920.4	1887.2	1844.6	1792.1	1688.3
-37.5°	1769.3	1791.0	1802.0	1797.0	1802.0	1791.0	1769.3	1738.7	1700.4	1655.2	1565.6
-40°	1619.9	1640.6	1653.2	1656.2	1653.2	1640.6	1619.9	1592.2	1556.5	1512.5	1440.6
-42.5°	1473.2	1490.4	1501.4	1506.7	1501.4	1490.4	1473.2	1449.3	1411.7	1362.8	1305.0
-45°	1330.7	1346.0	1356.4	1362.1	1356.4	1346.0	1330.7	1309.3	1272.7	1225.5	1171.3
-47.5°	1192.0	1205.5	1214.4	1218.8	1214.4	1205.5	1192.0	1173.2	1140.6	1093.9	1040.5
-50°	1059.4	1071.1	1079.4	1084.2	1079.4	1071.1	1059.4	1043.2	1015.4	970.0	919.3
-52.5°	933.7	943.9	951.0	954.6	951.0	943.9	933.7	919.5	897.4	854.5	807.8
-55°	813.6	821.9	828.4	832.5	828.4	821.9	813.6	802.0	786.1	746.3	703.3
-57.5°	701.7	708.4	714.7	719.1	714.7	708.4	701.7	691.8	678.8	644.7	607.1
-60°	596.8	603.2	608.5	611.9	608.5	603.2	596.8	588.1	577.0	551.3	520.8
-62.5°	502.3	507.9	512.8	515.9	512.8	507.9	502.3	494.4	484.4	464.6	440.0
-65°	411.6	416.7	420.3	422.5	420.3	416.7	411.6	404.8	396.1	382.0	363.7
-67.5°	335.2	341.1	342.2	341.5	342.2	341.1	335.2	328.1	319.8	308.9	295.2
-70°	267.0	271.9	273.1	272.9	273.1	271.9	267.0	261.3	254.9	247.0	236.8
-72.5°	208.8	211.4	209.1	205.6	209.1	211.4	208.8	205.7	202.4	197.9	190.3
-75°	156.7	155.0	152.5	149.5	152.5	155.0	156.7	158.0	159.2	158.9	153.2
-77.5°	114.7	110.5	107.7	104.7	107.7	110.5	114.7	118.6	122.2	124.4	120.5
-80°	79.9	75.7	72.8	69.8	72.8	75.7	79.9	83.8	87.4	90.3	89.0
-82.5°	50.6	47.2	45.5	43.6	45.5	47.2	50.6	53.9	56.9	59.5	58.7
-85°	28.1	26.1	24.9	23.7	24.9	26.1	28.1	30.0	31.8	33.4	32.5
-87.5°	12.5	12.5	11.8	11.2	11.8	12.5	12.5	12.4	12.4	12.3	11.9
-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: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	6.9	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.4	4.0	3.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.1
67.5°	0.0	0.0	0.2	0.5	0.6	0.6	0.5	0.6	0.7	0.7	0.6
65°	0.8	0.5	0.3	0.6	0.9	1.2	1.3	1.1	1.1	1.3	1.5
62.5°	2.5	2.6	2.3	1.9	1.6	1.8	1.9	2.1	1.8	1.4	1.9
60°	7.5	4.5	6.6	7.1	5.7	4.9	7.4	7.0	3.6	3.1	2.8
57.5°	36.1	30.2	33.2	30.2	20.7	18.0	18.7	17.8	16.1	9.9	4.2
55°	124.7	106.8	83.9	72.5	69.8	53.4	39.8	33.2	30.1	21.7	14.4
52.5°	158.3	147.2	129.9	106.0	93.2	88.4	75.6	60.5	48.0	38.4	27.6
50°	198.4	201.4	183.7	150.6	137.6	123.4	111.0	93.5	77.7	62.3	46.0
47.5°	323.8	301.6	283.7	259.1	212.2	182.3	162.7	134.1	112.5	93.9	73.7
45°	431.7	406.3	388.9	350.6	300.8	254.5	223.7	187.8	149.6	124.7	106.4
42.5°	508.4	475.5	446.8	415.6	368.1	315.9	273.5	238.0	197.8	157.5	133.2
40°	583.4	531.3	502.9	474.9	430.1	371.6	338.6	286.4	244.4	199.7	166.6
37.5°	695.2	606.7	596.7	569.7	519.0	458.2	421.0	369.5	291.7	249.5	211.4
35°	884.3	793.1	740.4	714.0	648.3	570.7	509.6	461.5	384.3	301.2	257.2
32.5°	1092.6	977.2	897.3	859.6	789.1	683.8	608.4	547.3	469.8	375.7	305.2
30°	1210.2	1105.0	1008.7	944.4	875.8	785.3	698.8	612.5	528.3	450.5	357.2
27.5°	1319.7	1188.5	1084.7	1012.0	947.9	860.8	765.1	672.6	580.2	503.2	420.0
25°	1424.0	1278.5	1165.5	1080.2	1005.5	936.7	828.4	727.3	630.9	545.9	480.8
22.5°	1521.2	1386.1	1255.8	1144.3	1081.1	1007.1	900.4	778.0	683.8	612.4	535.7
20°	1681.2	1530.1	1365.0	1268.6	1209.7	1095.5	974.7	853.7	767.2	685.4	595.2
17.5°	1945.0	1756.4	1559.1	1455.7	1372.4	1232.3	1078.4	958.3	850.3	759.2	660.0
15°	2233.8	1991.0	1795.5	1662.0	1530.1	1365.9	1187.8	1058.0	935.3	832.7	719.5
12.5°	2376.5	2145.3	1972.4	1784.2	1614.1	1465.4	1296.8	1153.7	1014.4	880.8	756.3
10°	2461.6	2232.0	2036.4	1848.6	1677.9	1534.8	1378.3	1208.8	1054.1	912.6	787.0
7.5°	2527.9	2291.2	2082.9	1896.0	1723.1	1572.1	1422.3	1244.6	1085.7	938.3	811.6
5°	2573.8	2337.4	2126.2	1937.2	1755.1	1598.9	1455.0	1271.7	1109.4	957.8	830.3
2.5°	2621.1	2373.2	2153.3	1963.8	1775.6	1615.8	1474.8	1292.4	1128.5	972.3	845.9
0°	2639.4	2393.9	2172.1	1977.7	1787.0	1622.5	1480.5	1306.0	1141.5	980.8	856.1
-2.5°	2651.3	2400.8	2179.5	1986.8	1802.2	1633.2	1487.0	1321.3	1145.6	989.9	859.0
-5°	2633.3	2392.8	2173.3	1979.3	1802.5	1634.0	1482.5	1323.6	1144.6	992.3	856.8
-7.5°	2611.2	2371.7	2149.7	1959.4	1789.5	1622.8	1469.1	1313.7	1140.7	988.3	852.6
-10°	2573.9	2338.0	2126.8	1938.7	1766.7	1598.8	1449.5	1294.9	1127.9	977.0	842.7
-12.5°	2524.0	2295.5	2086.9	1900.9	1735.9	1574.1	1427.9	1268.9	1106.2	958.1	827.0
-15°	2458.2	2239.9	2037.5	1856.2	1696.6	1541.9	1395.8	1240.1	1085.0	934.9	805.5
-17.5°	2386.2	2166.6	1967.2	1796.4	1645.1	1498.4	1355.0	1209.9	1060.6	913.1	786.1
-20°	2304.4	2088.7	1891.3	1725.8	1582.9	1443.9	1311.4	1176.2	1026.7	888.1	765.8



REPORT NUMBER: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2186.8	1996.3	1815.2	1652.9	1516.4	1389.1	1261.5	1130.8	982.7	856.7	738.2
-25°	2070.5	1893.3	1730.6	1581.4	1449.5	1328.7	1204.5	1074.9	943.6	819.9	704.3
-27.5°	1956.6	1792.6	1630.4	1496.3	1377.9	1259.8	1143.2	1020.6	899.7	778.4	672.5
-30°	1833.8	1680.3	1534.1	1408.2	1296.1	1186.9	1082.0	967.5	848.6	733.4	638.3
-32.5°	1698.8	1564.1	1435.2	1316.7	1211.9	1115.2	1015.6	907.1	789.6	691.5	598.6
-35°	1567.8	1443.5	1332.3	1227.7	1132.7	1044.1	947.7	839.1	735.8	643.7	553.8
-37.5°	1450.5	1329.5	1226.5	1136.5	1057.0	973.0	876.9	780.5	683.5	590.6	512.1
-40°	1329.2	1216.3	1124.8	1051.6	975.6	900.0	815.4	725.7	630.0	539.3	471.3
-42.5°	1211.7	1120.5	1030.4	957.1	888.9	827.0	755.6	665.1	577.1	498.4	433.0
-45°	1096.5	1013.7	931.4	864.6	807.9	749.9	686.1	603.8	524.8	457.1	395.4
-47.5°	978.2	908.5	839.9	777.7	727.1	670.7	609.1	539.5	474.7	413.7	359.1
-50°	864.7	808.1	752.6	698.7	647.4	592.4	537.4	481.2	423.3	370.2	320.6
-52.5°	757.7	710.9	664.0	616.8	572.0	523.9	473.2	423.1	372.2	327.9	283.6
-55°	657.1	617.0	579.8	542.0	504.2	460.8	415.0	369.9	329.3	288.6	252.5
-57.5°	568.1	532.8	503.2	472.4	440.4	402.0	362.8	324.7	291.1	257.3	223.9
-60°	489.4	458.6	433.3	406.4	378.0	345.9	314.8	284.6	255.5	228.0	199.3
-62.5°	415.1	390.3	367.4	344.6	321.6	297.3	270.7	246.4	223.8	200.6	174.6
-65°	344.8	325.4	306.2	287.8	268.9	249.3	228.2	208.9	190.5	171.7	149.2
-67.5°	280.7	265.5	249.9	234.6	219.8	204.3	188.2	172.1	157.1	141.7	123.5
-70°	226.0	214.5	202.4	189.6	177.3	165.2	152.7	139.8	126.0	113.5	101.0
-72.5°	182.4	174.2	165.1	154.7	143.7	133.2	123.1	113.0	102.6	91.8	80.9
-75°	147.4	141.3	134.4	125.8	116.9	107.7	99.2	90.5	81.0	70.6	60.5
-77.5°	116.7	113.0	108.8	101.9	94.9	87.8	80.2	70.7	61.0	51.4	43.0
-80°	87.5	85.8	83.3	77.2	71.2	65.2	58.8	50.5	42.3	34.6	28.4
-82.5°	57.7	56.6	54.9	50.9	46.9	43.0	39.1	33.3	27.8	22.6	17.9
-85°	31.5	30.5	29.4	27.5	25.6	23.7	21.8	18.6	15.6	12.8	10.3
-87.5°	11.5	11.1	10.7	10.3	9.9	9.5	9.1	8.1	7.2	6.3	5.5
-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: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.4	3.1	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.3	0.2	0.0	0.1
80°	0.0	0.0	0.0	0.0	0.3	0.6	0.8	0.8	0.6	0.4	0.2
77.5°	0.0	0.0	0.0	0.0	0.1	0.3	0.7	1.1	1.1	0.8	0.6
75°	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.6	1.0	1.2	0.9
72.5°	0.0	0.0	0.0	0.1	0.3	0.3	0.2	0.2	0.7	1.0	1.2
70°	0.2	0.1	0.0	0.2	0.5	0.7	0.7	0.6	0.5	0.9	1.1
67.5°	0.6	0.6	0.5	0.3	0.5	0.8	1.1	1.1	0.9	0.8	1.1
65°	1.4	1.3	1.2	1.1	0.9	0.9	1.2	1.5	1.4	1.2	1.1
62.5°	2.2	2.2	2.0	1.8	1.6	1.4	1.3	1.7	1.9	1.7	1.4
60°	2.8	2.9	2.8	2.5	2.3	2.0	1.8	1.9	2.1	2.1	1.8
57.5°	3.9	3.7	3.7	3.4	3.0	2.7	2.5	2.4	2.5	2.5	2.1
55°	6.8	4.8	4.8	4.4	3.8	3.3	3.1	3.0	2.9	2.8	2.5
52.5°	17.3	9.6	6.2	5.7	4.9	4.0	3.8	3.6	3.4	3.2	2.9
50°	31.9	20.7	11.7	7.4	6.2	5.3	4.4	4.2	4.0	3.7	3.2
47.5°	51.1	35.6	23.1	11.6	8.1	6.7	5.5	4.8	4.5	4.1	3.6
45°	78.8	52.4	36.3	23.0	10.8	9.2	6.8	5.3	5.0	4.6	3.9
42.5°	109.7	76.9	51.0	34.7	20.6	12.8	8.2	6.5	5.5	5.1	4.3
40°	139.9	106.3	68.5	47.8	31.1	17.1	11.8	7.8	6.0	5.6	4.7
37.5°	173.4	137.4	96.0	61.8	41.8	26.1	16.2	9.1	6.8	6.1	5.2
35°	214.8	171.9	123.4	82.4	55.3	34.5	21.0	11.5	8.4	6.6	5.6
32.5°	256.1	206.3	153.1	106.3	69.4	42.2	27.4	16.5	10.3	7.2	6.1
30°	297.7	237.8	181.1	128.4	85.7	54.5	34.2	21.2	12.4	7.8	6.6
27.5°	335.1	267.5	207.3	151.5	104.8	67.5	41.3	25.8	14.7	8.8	7.1
25°	377.4	299.7	233.0	173.6	122.2	81.1	48.7	30.4	18.1	10.6	7.6
22.5°	431.8	332.7	256.9	193.7	139.5	94.1	58.1	36.4	21.9	12.5	8.0
20°	486.0	365.0	280.2	218.8	158.4	108.8	68.9	42.3	25.4	14.5	8.5
17.5°	539.1	406.4	314.3	244.4	178.5	122.5	79.1	48.2	28.8	16.5	9.0
15°	586.7	453.8	347.7	268.6	198.2	135.1	88.5	53.9	31.9	18.5	9.7
12.5°	626.7	494.7	379.3	291.3	217.2	146.7	97.1	59.3	34.8	20.7	10.5
10°	659.8	529.2	408.5	312.3	235.1	157.1	104.9	64.8	38.2	23.1	11.4
7.5°	686.2	557.8	435.1	331.4	251.4	166.8	113.2	70.5	41.5	25.4	12.4
5°	706.0	580.0	455.6	345.0	264.3	175.8	120.8	75.8	44.5	27.5	13.3
2.5°	718.9	596.4	470.8	355.7	274.9	183.3	127.6	80.6	47.3	29.5	14.2
0°	726.5	608.1	482.3	363.9	282.9	189.4	133.3	84.7	49.8	31.2	15.0
-2.5°	733.3	615.8	492.3	378.2	288.4	199.4	137.0	88.4	53.7	32.4	16.5
-5°	735.6	619.2	498.9	389.3	291.8	207.5	139.5	91.5	57.2	33.4	17.9
-7.5°	731.8	617.2	501.2	395.6	293.3	213.2	141.0	93.9	60.0	34.2	19.1
-10°	723.4	610.5	498.2	393.7	295.4	215.0	141.9	95.6	62.1	34.7	20.1
-12.5°	710.9	600.4	491.6	389.5	295.0	213.9	144.3	97.0	63.2	35.1	20.8
-15°	694.5	587.2	481.6	383.3	291.5	211.3	144.9	97.5	63.0	35.8	21.3
-17.5°	675.2	571.2	468.2	375.4	284.6	207.4	143.6	96.9	62.4	36.9	21.7
-20°	655.9	553.4	452.3	366.1	274.2	202.4	140.3	95.1	61.2	37.6	22.2

Classified

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

Scaled Data Report



REPORT NUMBER: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	633.3	533.0	438.5	353.2	262.9	196.4	134.8	92.1	59.6	37.9	22.4
-25°	607.3	509.2	422.0	335.3	254.0	189.5	129.2	87.7	57.5	37.8	22.3
-27.5°	577.9	483.7	402.5	315.8	244.8	180.0	123.8	84.6	55.7	37.3	22.0
-30°	545.1	459.7	379.3	297.0	233.5	169.6	116.8	81.0	54.9	36.6	21.4
-32.5°	509.8	432.7	354.2	282.7	220.6	158.8	110.6	77.1	53.5	35.7	21.4
-35°	476.7	403.4	328.7	266.2	207.0	152.5	106.4	72.6	51.6	34.4	21.5
-37.5°	441.2	372.5	308.4	249.0	192.7	145.1	103.1	70.6	49.0	32.8	21.4
-40°	407.0	343.3	285.0	232.6	182.1	136.9	97.9	68.4	46.6	30.9	21.2
-42.5°	372.5	315.8	262.6	214.7	172.1	128.9	91.1	65.0	44.7	29.8	20.7
-45°	340.6	287.4	238.8	199.1	161.0	118.8	85.9	60.7	42.3	29.0	20.2
-47.5°	307.2	258.5	217.0	182.1	146.4	107.7	79.3	57.4	39.5	28.0	19.9
-50°	272.7	231.2	196.7	163.4	128.6	98.4	72.3	53.4	38.5	27.1	19.4
-52.5°	242.5	207.1	175.8	144.1	115.2	87.6	67.0	49.1	37.1	26.4	18.8
-55°	216.4	184.3	155.3	128.3	102.4	79.7	60.9	47.1	35.4	25.6	17.9
-57.5°	193.5	163.2	138.5	114.2	91.7	72.0	56.7	44.6	33.7	24.4	17.2
-60°	171.2	146.3	123.2	101.6	81.7	65.4	53.3	41.8	31.6	22.9	16.3
-62.5°	150.5	128.6	108.5	89.0	72.8	60.0	49.5	38.6	29.1	21.0	15.2
-65°	128.8	110.1	93.2	77.8	64.6	53.7	44.6	34.9	25.8	18.7	13.8
-67.5°	106.3	92.6	79.3	66.5	55.8	46.6	38.9	30.0	22.0	16.0	12.1
-70°	88.5	76.4	65.2	55.2	46.4	38.9	31.8	24.2	17.7	13.7	10.3
-72.5°	70.5	60.6	51.5	43.5	37.2	30.8	24.3	18.5	14.7	11.3	8.4
-75°	52.1	45.5	39.5	34.0	28.3	22.7	18.5	14.7	11.6	8.8	7.1
-77.5°	37.9	33.0	28.6	25.1	21.2	17.5	14.0	10.8	8.8	7.3	6.0
-80°	25.7	23.2	20.8	18.3	15.2	12.3	10.1	8.3	7.1	5.9	4.8
-82.5°	16.2	14.9	13.7	12.4	10.6	9.0	7.5	6.3	5.3	4.4	3.9
-85°	9.6	8.9	8.2	7.5	6.5	5.6	5.2	4.8	4.4	3.9	3.5
-87.5°	5.4	5.3	5.2	5.1	4.9	4.6	4.4	4.2	3.9	3.5	3.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9

Classified

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

Scaled Data Report



REPORT NUMBER: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	2.5	2.2	1.9	1.5	1.2	1.2	1.2
87.5°	0.9	1.0	1.1	1.2	1.2	1.2	1.2
85°	0.6	0.8	1.0	1.1	1.2	1.2	1.2
82.5°	0.3	0.6	0.9	1.1	1.2	1.2	1.2
80°	0.1	0.4	0.8	1.1	1.2	1.2	1.2
77.5°	0.4	0.4	0.7	1.0	1.2	1.2	1.2
75°	0.7	0.6	0.7	1.0	1.2	1.2	1.2
72.5°	1.0	0.8	0.8	1.0	1.2	1.2	1.2
70°	1.2	1.0	0.9	1.0	1.2	1.2	1.2
67.5°	1.2	1.1	1.0	1.0	1.2	1.2	1.2
65°	1.3	1.2	1.0	1.0	1.2	1.2	1.2
62.5°	1.4	1.3	1.1	1.1	1.2	1.2	1.2
60°	1.4	1.5	1.2	1.1	1.2	1.2	1.2
57.5°	1.7	1.6	1.3	1.1	1.2	1.2	1.2
55°	2.1	1.7	1.5	1.2	1.2	1.2	1.2
52.5°	2.4	1.9	1.6	1.2	1.3	1.2	1.2
50°	2.7	2.1	1.7	1.2	1.3	1.2	1.2
47.5°	3.0	2.4	1.9	1.2	1.3	1.2	1.2
45°	3.3	2.6	2.0	1.3	1.4	1.2	1.2
42.5°	3.6	2.9	2.2	1.5	1.4	1.2	1.2
40°	3.8	3.1	2.4	1.6	1.4	1.2	1.2
37.5°	4.1	3.3	2.6	1.8	1.5	1.2	1.2
35°	4.4	3.5	2.7	2.0	1.6	1.2	1.2
32.5°	4.7	3.8	2.9	2.1	1.6	1.2	1.2
30°	5.1	4.0	3.0	2.3	1.7	1.2	1.2
27.5°	5.4	4.2	3.2	2.4	1.7	1.2	1.2
25°	5.8	4.3	3.4	2.6	1.8	1.2	1.2
22.5°	6.2	4.5	3.6	2.7	1.9	1.2	1.2
20°	6.5	4.8	3.8	2.9	2.0	1.2	1.2
17.5°	6.9	5.0	4.0	3.0	2.0	1.2	1.2
15°	7.2	5.2	4.1	3.1	2.1	1.2	1.2
12.5°	7.5	5.4	4.3	3.2	2.2	1.2	1.2
10°	7.8	5.6	4.5	3.3	2.2	1.2	1.2
7.5°	8.1	5.7	4.6	3.4	2.3	1.2	1.2
5°	8.3	5.9	4.8	3.5	2.4	1.2	1.2
2.5°	8.5	6.1	4.9	3.6	2.4	1.2	1.2
0°	8.7	6.2	5.0	3.7	2.5	1.2	1.2
-2.5°	9.2	6.3	5.1	3.7	2.5	1.2	1.2
-5°	9.6	6.5	5.2	3.7	2.5	1.2	1.2
-7.5°	10.0	6.6	5.3	3.7	2.5	1.2	1.2
-10°	10.4	6.7	5.3	3.6	2.5	1.2	1.2
-12.5°	10.6	6.8	5.3	3.6	2.4	1.2	1.2
-15°	10.8	6.8	5.4	3.6	2.4	1.2	1.2
-17.5°	10.8	6.9	5.3	3.5	2.4	1.2	1.2
-20°	11.1	6.9	5.3	3.5	2.3	1.2	1.2

Classified

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

Scaled Data Report



REPORT NUMBER: P626720 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	11.8	7.0	5.2	3.4	2.3	1.2	1.2
-25°	12.4	7.4	5.1	3.4	2.3	1.2	1.2
-27.5°	12.9	8.0	5.0	3.3	2.2	1.2	1.2
-30°	13.2	8.5	4.9	3.2	2.2	1.2	1.2
-32.5°	13.3	8.9	5.1	3.1	2.1	1.2	1.2
-35°	13.7	9.2	5.2	3.0	2.0	1.2	1.2
-37.5°	14.0	9.4	5.3	3.0	2.0	1.2	1.2
-40°	14.3	9.5	5.3	2.9	1.9	1.2	1.2
-42.5°	14.3	9.5	5.4	2.8	1.8	1.2	1.2
-45°	14.3	9.4	5.4	2.8	1.7	1.2	1.2
-47.5°	14.0	9.3	5.4	2.8	1.7	1.2	1.2
-50°	13.7	9.1	5.3	2.8	1.6	1.2	1.2
-52.5°	13.4	8.8	5.1	2.7	1.5	1.2	1.2
-55°	12.9	8.4	4.9	2.6	1.4	1.2	1.2
-57.5°	12.3	8.0	4.6	2.5	1.3	1.2	1.2
-60°	11.6	7.4	4.3	2.4	1.2	1.2	1.2
-62.5°	10.7	6.8	4.1	2.3	1.2	1.2	1.2
-65°	9.7	6.1	3.8	2.1	1.2	1.2	1.2
-67.5°	8.5	5.5	3.5	1.9	1.2	1.2	1.2
-70°	7.2	5.0	3.2	1.8	1.2	1.2	1.2
-72.5°	6.4	4.4	2.8	1.7	1.2	1.2	1.2
-75°	5.6	3.8	2.4	1.7	1.2	1.2	1.2
-77.5°	4.7	3.2	2.3	1.7	1.2	1.2	1.2
-80°	3.8	2.9	2.2	1.7	1.2	1.2	1.2
-82.5°	3.4	2.7	2.1	1.6	1.2	1.2	1.2
-85°	3.1	2.6	2.1	1.6	1.2	1.2	1.2
-87.5°	2.8	2.4	2.0	1.6	1.2	1.2	1.2
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)