

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: P627200 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3D-727-U-VWR-VSR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627200 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3D-727-U-VWR-VSR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (48) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

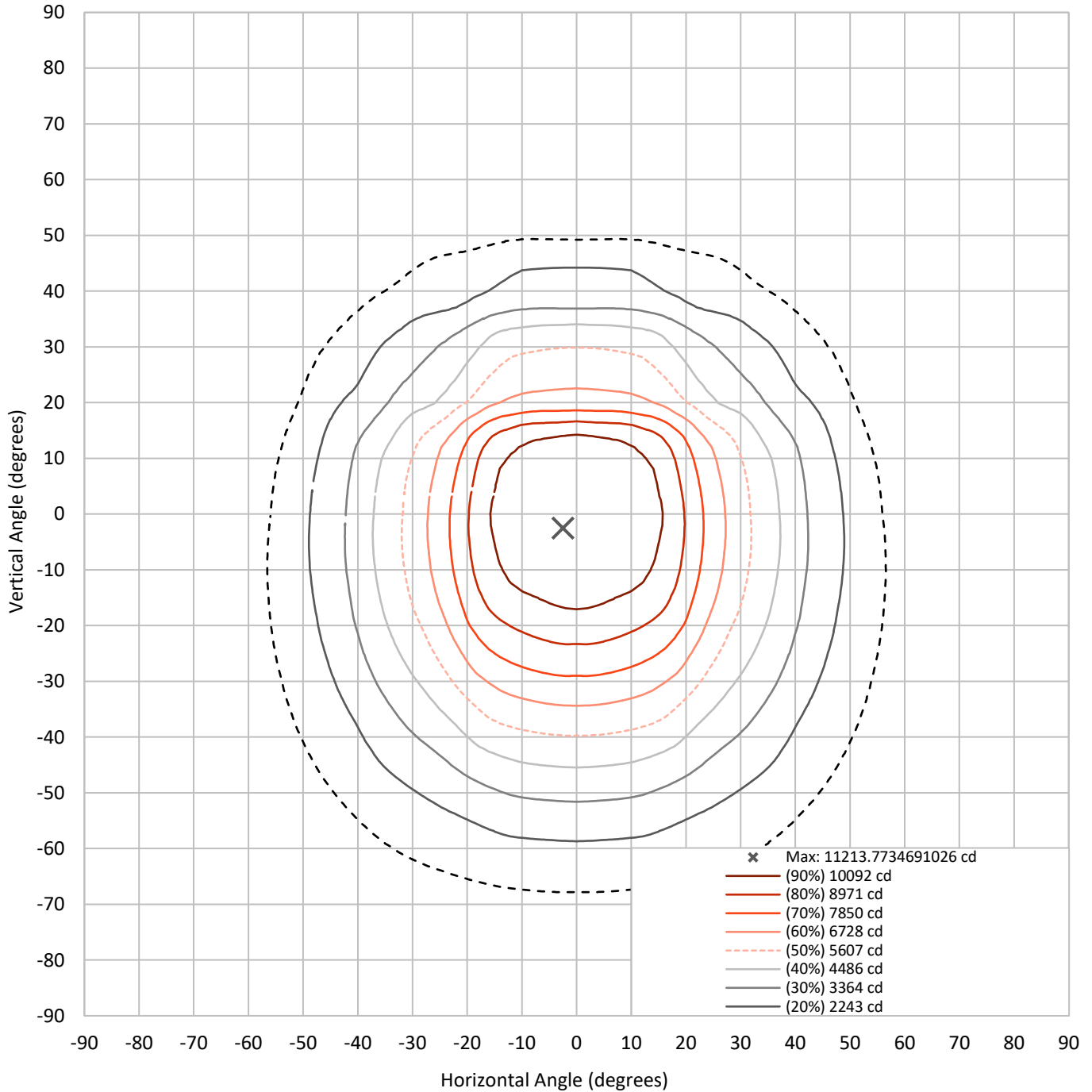
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	14965.1 lumens	Max Intensity:	11213.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	93.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	8658.3 lumens	Field Lumens:	14200.9 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	160.2		
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		



REPORT NUMBER: P627200 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





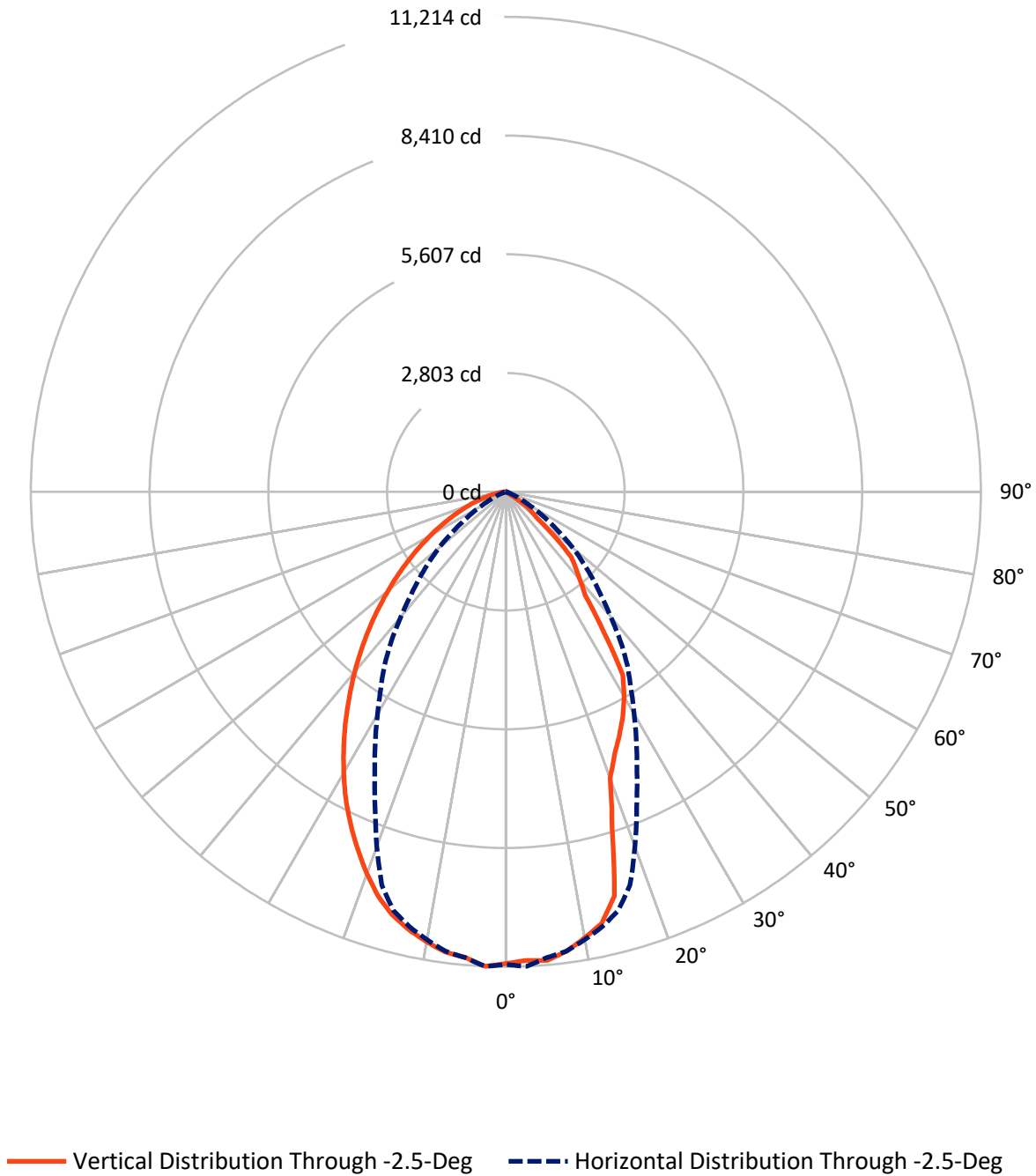
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Lumen Table

90																			
80	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
70																			
60	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
50		0.1	0.3	1.4	4.1	7.9	11.7	14.5	14.5	11.7	7.9	4.1	1.4	0.3	0.1				
40	0.2	0.3	1.7	7.7	18.6	33.4	49.3	60.4	60.4	49.3	33.4	18.6	7.7	1.7	0.3	0.2			
30		0.7	5.6	19.4	43.4	70.3	105.4	123.3	123.3	105.4	70.3	43.4	19.4	5.6	0.7				
20	0.5	1.7	10.8	34.4	69.9	110.8	166.2	191.0	191.0	166.2	110.8	69.9	34.4	10.8	1.7	0.5			
10		2.8	16.5	51.0	100.7	165.7	246.7	282.9	282.9	246.7	165.7	100.7	51.0	16.5	2.8				
0	0.8	3.9	21.4	60.5	120.4	198.0	291.3	330.5	330.5	291.3	198.0	120.4	60.5	21.4	3.9	0.8			
-10		4.6	23.7	62.9	123.6	202.5	293.4	331.8	331.8	293.4	202.5	123.6	62.9	23.7	4.6				
-20	1.0	4.8	23.1	59.5	116.6	189.6	272.3	307.7	307.7	272.3	189.6	116.6	59.5	23.1	4.8	1.0			
-30		4.4	20.2	51.9	100.7	161.2	228.3	258.6	258.6	228.3	161.2	100.7	51.9	20.2	4.4				
-40	0.9	3.7	16.1	40.8	79.2	124.4	174.4	197.4	197.4	174.4	124.4	79.2	40.8	16.1	3.7	0.9			
-50		2.9	11.9	29.1	56.7	87.5	120.7	137.0	137.0	120.7	87.5	56.7	29.1	11.9	2.9				
-60	0.7	2.2	7.8	18.7	35.3	54.3	73.8	84.1	84.1	73.8	54.3	35.3	18.7	7.8	2.2	0.7			
-70		1.5	4.7	10.9	19.4	28.8	38.1	43.2	43.2	38.1	28.8	19.4	10.9	4.7	1.5				
-80	0.3	3.5	16.1	35.2	39.3	35.2	16.1	3.5	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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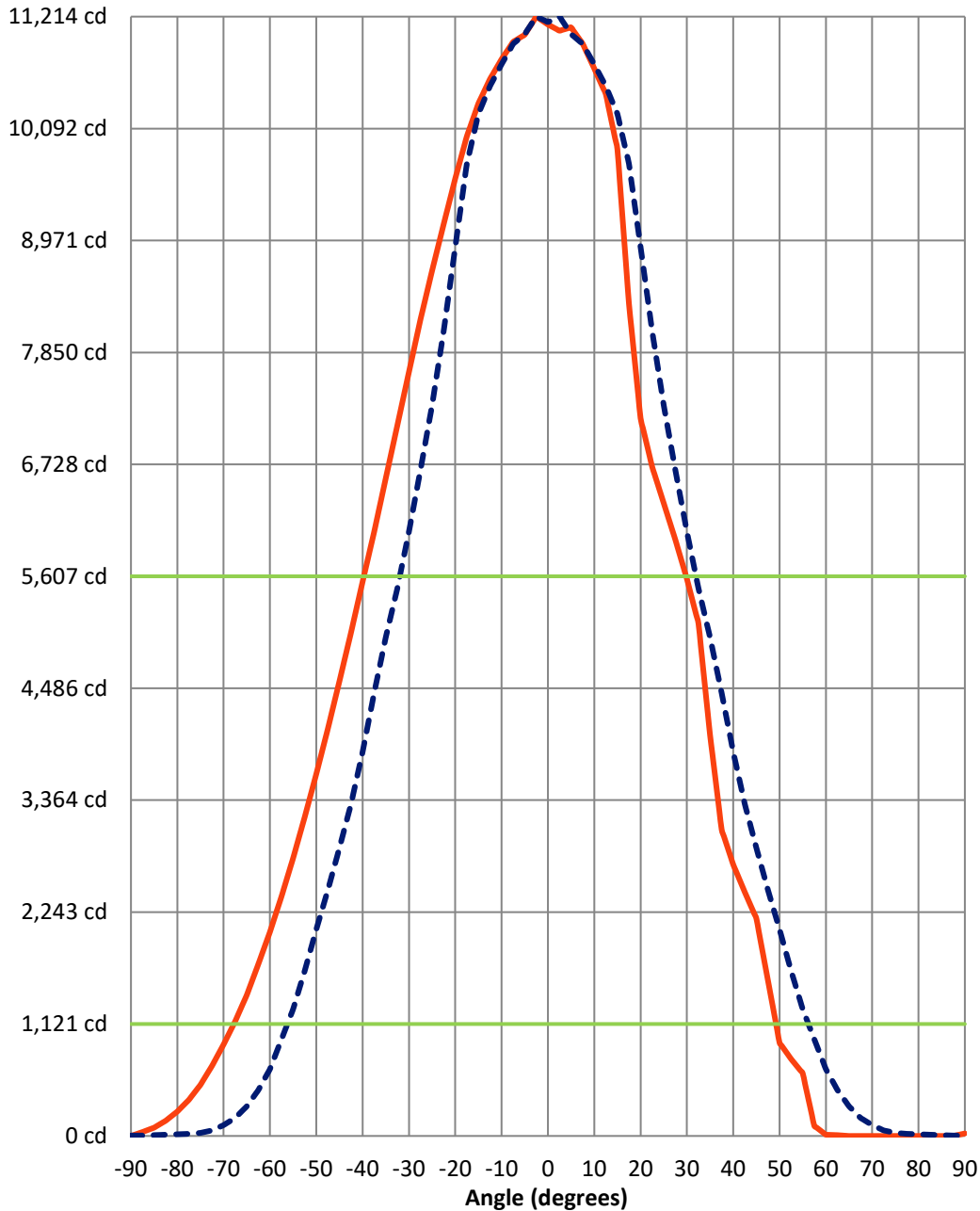
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 8658.3
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 14200.9
 Efficiency: 94.9%

Spill:
 Lumens: 764.2
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through -2.5-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°	4.2	4.2	4.2	5.2	6.3	7.4	8.4	9.5	10.5	11.6	12.6
87.5°	4.2	4.2	4.2	4.1	3.8	3.5	3.1	2.2	1.4	0.7	0.0
85°	4.2	4.2	4.2	3.9	3.5	2.8	2.0	1.3	0.7	0.3	0.0
82.5°	4.2	4.2	4.2	3.8	3.1	2.2	1.0	0.3	0.1	0.6	1.1
80°	4.2	4.2	4.2	3.7	2.8	1.6	0.2	0.8	1.5	2.2	2.9
77.5°	4.2	4.2	4.2	3.6	2.5	1.4	1.3	2.1	2.9	3.8	3.8
75°	4.2	4.2	4.2	3.5	2.3	2.1	2.3	3.3	4.1	3.4	2.2
72.5°	4.2	4.2	4.2	3.4	2.7	2.7	3.4	4.1	3.6	2.4	0.7
70°	4.2	4.2	4.2	3.4	3.0	3.3	4.2	4.0	3.1	1.6	1.9
67.5°	4.2	4.2	4.2	3.5	3.4	3.9	4.3	3.9	2.7	3.3	3.7
65°	4.2	4.2	4.2	3.6	3.7	4.4	4.5	3.8	4.2	4.9	5.2
62.5°	4.2	4.2	4.2	3.8	3.9	4.7	4.7	4.7	5.7	6.4	5.8
60°	4.2	4.2	4.2	3.9	4.2	5.0	5.0	6.0	7.1	7.3	6.6
57.5°	4.2	4.2	4.2	4.0	4.6	5.4	6.0	7.3	8.3	8.4	8.2
55°	4.2	4.2	4.3	4.1	5.0	5.9	7.0	8.5	9.6	9.8	10.2
52.5°	4.2	4.2	4.4	4.1	5.5	6.4	8.1	9.7	10.9	11.5	12.1
50°	4.2	4.2	4.5	4.2	5.9	7.3	9.1	10.9	12.4	13.3	14.1
47.5°	4.2	4.2	4.6	4.3	6.4	8.1	10.1	12.1	14.0	15.0	16.1
45°	4.2	4.2	4.7	4.7	6.9	8.9	11.1	13.2	15.4	16.8	18.0
42.5°	4.2	4.2	4.8	5.1	7.4	9.7	12.1	14.5	17.0	18.5	21.9
40°	4.2	4.2	5.0	5.6	8.0	10.5	13.0	15.9	18.6	20.2	26.1
37.5°	4.2	4.2	5.2	6.1	8.6	11.3	13.9	17.4	20.4	23.0	30.4
35°	4.2	4.2	5.3	6.7	9.2	12.0	14.7	18.9	22.2	28.3	38.7
32.5°	4.2	4.2	5.5	7.2	9.8	12.7	15.7	20.4	24.1	34.5	55.2
30°	4.2	4.2	5.7	7.7	10.3	13.4	16.9	22.0	26.1	41.6	71.3
27.5°	4.2	4.2	5.9	8.2	11.0	14.0	18.2	23.7	29.6	49.4	86.9
25°	4.2	4.2	6.2	8.7	11.6	14.6	19.4	25.3	35.7	60.8	102.1
22.5°	4.2	4.2	6.4	9.2	12.3	15.2	20.6	27.0	42.0	73.4	122.3
20°	4.2	4.2	6.6	9.7	12.9	16.0	21.8	28.6	48.7	85.4	142.3
17.5°	4.2	4.2	6.9	10.1	13.4	16.7	23.0	30.2	55.4	96.7	162.0
15°	4.2	4.2	7.1	10.5	14.0	17.4	24.2	32.3	62.2	107.2	181.1
12.5°	4.2	4.2	7.3	10.9	14.5	18.1	25.3	35.3	69.7	117.0	199.4
10°	4.2	4.2	7.6	11.3	15.0	18.7	26.3	38.3	77.7	128.4	217.8
7.5°	4.2	4.2	7.8	11.7	15.5	19.3	27.2	41.4	85.3	139.5	237.1
5°	4.2	4.2	8.0	12.0	15.9	19.9	28.0	44.5	92.4	149.7	254.8
2.5°	4.2	4.2	8.2	12.3	16.3	20.4	28.7	47.4	98.9	159.1	270.8
0°	4.2	4.2	8.4	12.6	16.7	20.9	29.3	50.2	104.7	167.4	284.6
-2.5°	4.2	4.2	8.4	12.6	16.7	20.9	29.3	50.2	104.7	167.4	284.6
-5°	4.2	4.2	8.4	12.6	17.4	21.7	32.4	60.0	112.2	192.2	307.3
-7.5°	4.2	4.2	8.3	12.5	17.6	22.1	33.7	64.1	114.8	201.7	315.3
-10°	4.2	4.2	8.3	12.4	17.8	22.4	34.8	67.5	116.7	208.5	321.2
-12.5°	4.2	4.2	8.2	12.3	18.0	22.7	35.6	70.0	118.0	212.1	325.8
-15°	4.2	4.2	8.1	12.2	18.0	22.9	36.1	71.5	120.5	211.7	327.4
-17.5°	4.2	4.2	8.0	12.0	18.0	23.1	36.3	73.1	124.1	209.6	325.4
-20°	4.2	4.2	7.9	11.8	17.9	23.3	37.3	74.6	126.4	205.8	319.4

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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°	4.2	4.2	7.8	11.6	17.7	23.4	39.6	75.2	127.4	200.3	309.2
-25°	4.2	4.2	7.6	11.4	17.4	24.9	41.6	75.0	127.1	193.2	294.8
-27.5°	4.2	4.2	7.4	11.2	17.0	26.8	43.1	73.9	125.3	187.1	284.2
-30°	4.2	4.2	7.3	10.9	16.6	28.5	44.2	71.8	122.9	184.4	272.3
-32.5°	4.2	4.2	7.1	10.6	17.2	29.9	44.7	71.9	119.9	179.8	258.8
-35°	4.2	4.2	6.9	10.3	17.6	31.0	45.9	72.3	115.8	173.3	243.9
-37.5°	4.2	4.2	6.7	10.0	17.9	31.7	47.1	72.0	110.4	164.9	237.3
-40°	4.2	4.2	6.4	9.6	18.0	31.9	47.9	71.1	103.9	156.8	229.8
-42.5°	4.2	4.2	6.2	9.4	18.2	31.9	48.1	69.4	100.2	150.3	218.4
-45°	4.2	4.2	5.9	9.5	18.3	31.7	47.9	67.9	97.5	142.3	204.1
-47.5°	4.2	4.2	5.7	9.4	18.1	31.2	47.2	67.0	94.0	132.7	192.8
-50°	4.2	4.2	5.4	9.3	17.8	30.5	46.2	65.3	91.2	129.3	179.4
-52.5°	4.2	4.2	5.1	9.1	17.3	29.6	44.9	63.0	88.9	124.7	165.0
-55°	4.2	4.2	4.8	8.9	16.5	28.4	43.3	60.2	86.0	119.0	158.1
-57.5°	4.2	4.2	4.5	8.6	15.6	26.8	41.4	57.7	81.9	113.1	149.9
-60°	4.2	4.2	4.2	8.2	14.5	25.0	39.1	54.8	76.8	106.0	140.5
-62.5°	4.2	4.2	4.2	7.7	13.7	22.9	35.9	51.0	70.4	97.7	129.6
-65°	4.2	4.2	4.2	7.2	12.8	20.5	32.4	46.2	62.7	86.7	117.2
-67.5°	4.2	4.2	4.2	6.7	11.8	18.4	28.5	40.6	53.8	73.8	100.7
-70°	4.2	4.2	4.2	6.1	10.7	16.7	24.3	34.6	46.1	59.5	81.4
-72.5°	4.2	4.2	4.2	5.9	9.6	14.9	21.4	28.3	38.0	49.4	62.3
-75°	4.2	4.2	4.2	5.9	8.4	13.0	18.7	23.9	29.6	38.9	49.5
-77.5°	4.2	4.2	4.2	5.8	7.9	11.0	15.8	20.1	24.6	29.5	36.3
-80°	4.2	4.2	4.2	5.7	7.6	9.9	12.8	16.2	19.8	23.7	27.9
-82.5°	4.2	4.2	4.2	5.6	7.3	9.3	11.6	13.1	14.9	17.9	21.1
-85°	4.2	4.2	4.2	5.5	7.0	8.7	10.5	11.9	13.3	14.7	16.0
-87.5°	4.2	4.2	4.2	5.4	6.7	8.0	9.5	10.7	11.9	13.1	14.3
-90°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	3.1	2.1	1.0	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°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.6	14.7	15.7
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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.2	1.1	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.8	2.2	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.4	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.9	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.7	1.2	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2.4	2.6	1.7	0.7	0.0	0.2	0.6	0.4	0.0	0.2	0.5
67.5°	3.9	2.9	1.9	1.2	1.6	2.1	2.0	2.1	2.3	2.5	2.1
65°	4.1	3.1	3.1	3.7	4.1	4.5	4.9	5.2	4.4	3.8	3.9
62.5°	4.4	4.7	5.5	6.1	6.7	7.3	7.3	6.5	5.0	6.2	7.1
60°	6.2	6.9	7.7	8.6	9.4	9.9	9.4	9.5	10.6	12.3	23.6
57.5°	8.4	9.0	10.0	11.3	12.5	12.7	13.0	14.2	33.2	54.2	59.9
55°	10.6	11.1	12.8	14.9	16.1	16.0	22.9	48.4	73.1	101.2	111.6
52.5°	12.8	13.7	16.7	19.1	20.7	32.2	58.1	92.7	129.1	161.4	203.1
50°	14.9	17.9	21.0	24.7	39.4	69.5	107.3	154.5	209.3	261.0	313.9
47.5°	18.6	22.4	27.2	39.0	77.6	119.5	171.9	247.7	315.3	377.8	450.4
45°	23.0	30.9	36.2	77.1	122.1	176.1	264.7	357.5	418.8	502.5	630.8
42.5°	27.6	42.8	69.2	116.5	171.3	258.4	368.3	447.3	528.9	664.6	799.5
40°	39.7	57.4	104.4	160.6	230.1	357.1	469.9	559.3	670.9	821.2	962.1
37.5°	54.4	87.7	140.2	207.7	322.3	461.5	582.3	710.1	838.3	980.0	1241.4
35°	70.7	115.7	185.7	276.8	414.6	577.3	721.3	864.1	1011.9	1290.9	1550.2
32.5°	92.0	141.6	233.2	357.1	514.3	692.9	860.2	1025.2	1262.1	1578.0	1838.2
30°	114.9	183.1	287.9	431.3	608.2	798.9	999.9	1199.7	1513.4	1774.7	2057.2
27.5°	138.8	226.9	352.0	509.0	696.2	898.8	1125.7	1410.8	1690.5	1948.7	2259.1
25°	163.4	272.6	410.7	583.2	782.7	1006.8	1267.8	1615.1	1833.9	2119.2	2443.0
22.5°	195.0	316.2	468.8	650.5	862.9	1117.8	1450.6	1799.4	2056.9	2296.8	2613.2
20°	231.6	365.4	532.0	734.8	941.4	1226.2	1632.5	1999.2	2302.1	2576.9	2867.5
17.5°	265.7	411.4	599.6	820.9	1055.7	1365.2	1810.9	2216.8	2550.1	2856.3	3219.1
15°	297.3	454.0	665.8	902.3	1168.1	1524.4	1970.9	2416.6	2797.2	3141.8	3554.1
12.5°	326.2	492.8	729.5	978.5	1273.9	1661.6	2105.2	2540.3	2958.6	3407.7	3875.5
10°	352.2	527.8	789.8	1048.9	1372.0	1777.6	2216.2	2643.4	3065.5	3540.7	4060.4
7.5°	380.2	560.5	844.4	1112.9	1461.2	1873.5	2304.9	2726.2	3151.8	3647.1	4180.7
5°	406.0	590.5	887.9	1158.7	1530.2	1948.3	2371.6	2789.0	3217.3	3726.3	4271.7
2.5°	428.7	615.8	923.2	1194.7	1581.4	2003.4	2414.9	2841.4	3266.0	3790.8	4341.2
0°	447.9	636.3	950.2	1222.3	1620.0	2042.8	2440.4	2875.8	3294.4	3834.4	4386.9
-2.5°	460.2	669.9	968.7	1270.4	1653.7	2068.6	2463.2	2885.5	3325.0	3848.2	4438.3
-5°	468.9	697.1	979.9	1307.6	1675.8	2079.9	2470.8	2878.0	3333.1	3844.7	4445.8
-7.5°	473.9	716.3	985.2	1328.7	1683.6	2073.1	2458.1	2863.8	3319.8	3831.5	4412.6
-10°	476.8	722.3	992.3	1322.3	1673.4	2050.7	2429.8	2830.6	3281.8	3788.7	4349.4
-12.5°	484.7	718.5	991.1	1308.2	1651.4	2016.8	2387.8	2777.9	3218.5	3715.7	4262.1
-15°	486.7	709.8	979.2	1287.5	1617.7	1972.5	2332.8	2705.7	3140.5	3644.6	4165.6
-17.5°	482.3	696.8	956.0	1261.1	1572.7	1918.7	2268.0	2640.7	3067.3	3562.5	4064.2
-20°	471.1	679.9	920.9	1229.9	1519.2	1859.0	2203.2	2572.5	2983.2	3448.6	3950.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627200 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3D-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°	452.7	659.5	883.0	1186.3	1473.0	1790.4	2127.3	2479.5	2877.7	3301.0	3798.1
-25°	433.8	636.5	853.2	1126.4	1417.4	1710.3	2040.0	2365.9	2753.9	3169.6	3610.7
-27.5°	415.8	604.3	822.1	1060.8	1352.0	1624.7	1941.2	2259.2	2614.6	3022.0	3428.2
-30°	392.3	569.6	784.2	997.7	1273.8	1544.2	1831.1	2144.1	2463.7	2850.3	3249.9
-32.5°	371.5	533.5	741.1	949.7	1189.8	1453.4	1712.4	2010.7	2322.6	2652.2	3047.1
-35°	357.7	512.1	695.4	894.2	1104.0	1354.8	1601.1	1860.2	2162.3	2471.6	2818.4
-37.5°	346.4	487.5	647.2	836.4	1036.1	1251.3	1481.8	1720.3	1983.9	2295.7	2621.7
-40°	328.7	459.9	611.6	781.2	957.4	1153.1	1367.2	1583.0	1811.5	2116.1	2437.8
-42.5°	306.1	433.1	578.0	721.2	882.2	1060.9	1251.1	1454.3	1674.0	1938.6	2234.2
-45°	288.6	398.8	540.6	668.9	802.2	965.6	1144.2	1328.3	1535.5	1762.6	2028.2
-47.5°	266.5	361.6	491.7	611.6	729.0	868.5	1031.9	1206.2	1389.6	1594.3	1812.0
-50°	242.8	330.6	431.9	548.7	660.6	776.6	916.0	1077.1	1243.6	1422.0	1616.2
-52.5°	224.9	294.2	386.8	483.9	590.6	695.9	814.5	952.7	1101.4	1250.4	1421.3
-55°	204.6	267.5	343.8	430.9	521.7	619.1	727.1	848.2	969.4	1106.4	1242.6
-57.5°	190.2	241.8	307.9	383.6	465.2	547.9	649.9	752.2	864.5	977.8	1090.9
-60°	179.1	219.6	274.4	341.1	413.8	491.2	574.9	669.4	766.0	858.5	956.2
-62.5°	166.3	201.5	244.4	298.8	364.5	431.8	505.5	586.5	673.9	751.8	827.5
-65°	149.7	180.4	217.1	261.4	313.0	369.9	432.7	501.0	576.5	639.7	701.6
-67.5°	130.8	156.5	187.4	223.5	266.5	310.9	357.0	414.8	476.1	527.7	578.1
-70°	106.9	130.7	155.9	185.4	219.1	256.7	297.3	339.2	381.2	423.3	469.5
-72.5°	81.8	103.5	124.9	145.9	172.8	203.6	236.7	271.8	308.5	344.5	379.5
-75°	62.4	76.5	95.2	114.1	132.8	152.8	175.2	203.1	237.2	272.1	304.1
-77.5°	47.1	58.9	71.4	84.4	96.2	111.0	127.2	144.5	172.6	204.9	237.4
-80°	34.0	41.0	50.9	61.4	69.7	77.9	86.4	95.2	116.1	142.1	169.8
-82.5°	25.2	30.0	35.5	41.6	45.8	49.9	54.4	60.2	75.7	93.3	111.8
-85°	17.3	18.8	21.7	25.1	27.5	29.8	32.2	34.7	43.1	52.5	62.5
-87.5°	15.0	15.7	16.5	17.4	17.7	17.9	18.2	18.5	21.3	24.2	27.3
-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: P627200 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-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°	16.7	17.8	18.8	19.9	20.9	22.0	23.0	24.1	25.1	25.1	25.1
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°	0.4	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1.9	2.1	2.2	1.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
65°	4.4	4.2	3.1	2.0	1.0	1.6	2.5	3.0	3.1	2.7	2.1
62.5°	6.7	6.1	5.5	6.4	7.6	8.8	8.5	8.0	7.5	7.1	7.4
60°	24.8	16.5	19.1	24.0	22.4	15.4	25.3	28.6	24.3	16.6	16.1
57.5°	62.8	60.5	69.4	101.4	111.6	101.7	121.4	147.4	146.6	126.3	125.7
55°	133.7	179.4	234.5	243.4	281.8	358.7	418.6	392.3	392.2	411.9	475.5
52.5°	253.9	297.0	313.1	355.9	436.1	494.3	531.7	570.4	612.9	656.2	700.0
50°	372.7	414.5	462.0	505.9	616.9	676.6	666.6	746.8	849.5	913.6	946.5
47.5°	546.6	612.6	713.0	870.4	953.2	1013.1	1087.6	1178.5	1296.0	1455.5	1578.4
45°	751.4	855.2	1010.6	1177.7	1306.3	1364.9	1450.1	1590.8	1778.3	1960.8	2094.2
42.5°	918.8	1061.1	1236.4	1396.1	1501.0	1597.2	1707.6	1826.2	2041.0	2236.0	2390.1
40°	1137.3	1248.2	1444.8	1595.3	1689.2	1784.6	1959.5	2137.1	2339.0	2520.7	2647.0
37.5°	1414.2	1539.0	1743.5	1913.7	2004.2	2037.9	2335.3	2582.5	2746.7	2978.6	3054.4
35°	1711.7	1917.0	2177.6	2398.4	2487.1	2663.9	2970.4	3315.3	3688.9	3826.4	3943.5
32.5°	2043.5	2296.8	2650.5	2887.5	3013.9	3282.4	3670.2	4038.3	4526.9	4792.1	4871.4
30°	2347.1	2637.8	2941.8	3172.1	3388.4	3711.7	4065.3	4519.2	4971.0	5310.1	5415.4
27.5°	2569.9	2891.6	3183.8	3399.5	3643.5	3992.1	4433.0	4892.7	5336.2	5682.1	5805.0
25°	2782.6	3146.2	3377.6	3628.3	3914.8	4294.8	4783.4	5294.1	5731.0	6023.3	6174.1
22.5°	3024.5	3383.0	3631.4	3843.8	4218.4	4656.2	5109.8	5686.9	6149.7	6383.0	6546.4
20°	3274.2	3679.8	4063.5	4261.0	4585.2	5139.5	5647.2	6192.1	6639.0	6882.1	7054.3
17.5°	3622.6	4139.5	4610.1	4889.8	5236.9	5899.7	6533.3	7084.4	7706.2	7925.7	8136.1
15°	3989.9	4588.2	5139.4	5582.6	6031.0	6687.7	7503.3	8168.4	8877.8	9194.6	9552.8
12.5°	4356.1	4922.2	5421.6	5993.4	6625.3	7206.3	7982.7	8810.9	9454.7	9858.7	10099.9
10°	4629.8	5155.6	5636.2	6209.3	6840.1	7497.2	8268.8	9117.8	9791.6	10136.4	10333.2
7.5°	4777.6	5280.8	5787.8	6368.5	6996.4	7696.3	8491.3	9333.6	10022.6	10356.7	10551.0
5°	4887.3	5370.6	5895.5	6506.9	7141.8	7851.4	8645.4	9477.6	10105.9	10460.9	10706.6
2.5°	4953.7	5427.5	5964.2	6596.4	7232.8	7971.9	8804.1	9666.9	10216.6	10502.2	10728.2
0°	4973.0	5450.2	6002.7	6643.2	7296.2	8041.3	8866.0	9719.9	10276.7	10552.9	10783.2
-2.5°	4994.7	5486.0	6053.7	6673.6	7321.1	8064.1	8905.8	9737.9	10238.7	10517.5	10736.5
-5°	4979.5	5488.8	6054.8	6648.5	7300.2	8037.3	8845.3	9623.4	10147.3	10448.7	10666.5
-7.5°	4934.5	5451.0	6011.1	6581.7	7221.0	7966.5	8771.1	9520.3	10051.0	10368.9	10607.2
-10°	4868.9	5370.3	5934.4	6512.2	7143.8	7853.5	8645.7	9390.4	9898.4	10235.8	10513.6
-12.5°	4796.2	5287.3	5830.9	6385.2	7009.9	7710.7	8478.4	9183.3	9688.3	10056.4	10254.8
-15°	4688.6	5179.3	5699.0	6235.1	6844.1	7524.0	8257.3	8933.6	9429.4	9729.0	9948.3
-17.5°	4551.6	5033.1	5525.8	6034.3	6608.0	7277.6	8015.4	8682.4	9086.6	9354.1	9569.7
-20°	4404.9	4850.1	5316.9	5796.8	6352.8	7016.1	7740.7	8322.5	8703.5	8960.5	9164.0



REPORT NUMBER: P627200 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-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°	4237.3	4666.1	5093.4	5552.1	6097.3	6705.4	7345.4	7907.7	8317.3	8551.4	8739.5
-25°	4046.0	4463.2	4868.9	5311.9	5813.0	6359.6	6954.7	7507.2	7874.1	8122.8	8309.3
-27.5°	3840.0	4231.9	4628.3	5026.1	5476.6	6021.2	6572.3	7085.7	7398.8	7649.4	7837.1
-30°	3634.4	3986.9	4353.6	4730.2	5153.0	5644.1	6159.6	6591.2	6921.5	7165.0	7339.2
-32.5°	3411.6	3746.1	4070.9	4423.0	4821.0	5253.8	5706.3	6116.8	6469.7	6692.7	6839.6
-35°	3183.4	3507.2	3804.5	4124.0	4475.1	4848.6	5266.2	5671.1	6019.6	6196.1	6339.2
-37.5°	2945.6	3268.5	3550.4	3817.3	4119.8	4465.7	4872.4	5258.8	5559.8	5711.5	5840.5
-40°	2738.9	3023.1	3276.9	3532.3	3778.2	4085.4	4464.9	4839.0	5080.6	5228.4	5348.2
-42.5°	2538.3	2778.0	2985.8	3214.8	3460.9	3763.7	4069.9	4383.6	4577.8	4741.9	4868.1
-45°	2304.5	2518.8	2713.7	2904.1	3128.6	3405.0	3683.2	3934.5	4116.3	4274.9	4397.9
-47.5°	2046.1	2253.0	2442.2	2612.4	2821.1	3051.6	3285.9	3494.9	3674.5	3831.2	3940.9
-50°	1805.2	1990.0	2174.8	2347.1	2527.9	2714.4	2904.4	3087.9	3258.4	3410.7	3504.0
-52.5°	1589.4	1759.9	1921.4	2072.0	2230.2	2387.8	2545.2	2713.3	2870.1	3014.2	3088.7
-55°	1394.1	1547.9	1693.6	1820.5	1947.4	2072.4	2207.3	2362.5	2506.9	2640.4	2693.9
-57.5°	1218.8	1350.4	1479.4	1586.7	1690.3	1789.8	1908.2	2039.2	2165.6	2280.0	2323.7
-60°	1057.6	1162.0	1269.8	1365.1	1455.4	1540.6	1643.9	1749.4	1851.9	1938.2	1975.4
-62.5°	909.3	998.6	1080.3	1157.7	1234.2	1311.0	1394.3	1477.9	1560.8	1627.2	1660.9
-65°	766.3	837.4	903.1	966.7	1028.5	1092.9	1158.2	1221.8	1283.1	1330.6	1359.7
-67.5°	632.0	686.1	738.2	787.8	839.5	891.7	942.8	991.5	1037.6	1074.3	1102.1
-70°	513.1	554.9	595.7	636.7	679.9	720.5	758.9	795.4	829.7	856.1	877.6
-72.5°	413.6	447.5	482.8	519.7	554.6	585.0	612.6	639.2	664.7	679.7	690.8
-75°	333.4	362.0	392.6	422.5	451.7	474.8	495.0	514.7	533.6	534.6	530.8
-77.5°	269.4	294.9	318.6	342.1	365.3	379.6	392.0	404.8	417.7	410.2	398.4
-80°	197.7	219.0	239.1	259.3	279.5	288.0	293.8	298.9	303.2	293.4	281.3
-82.5°	131.2	144.6	157.7	171.0	184.5	189.9	193.9	197.2	199.9	191.0	180.9
-85°	73.2	79.7	86.0	92.4	98.7	102.5	106.0	109.1	112.0	106.8	100.8
-87.5°	30.4	31.9	33.3	34.7	36.1	37.5	38.8	40.1	41.3	41.5	41.6
-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: P627200 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-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°	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	24.1
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°	1.2	0.2	0.0	0.0	0.0	0.2	1.2	2.1	2.7	3.1	3.0
62.5°	7.7	8.0	8.3	8.4	8.3	8.0	7.7	7.4	7.1	7.5	8.0
60°	14.8	13.0	12.5	12.6	12.5	13.0	14.8	16.1	16.6	24.3	28.6
57.5°	116.1	99.4	101.8	113.0	101.8	99.4	116.1	125.7	126.3	146.6	147.4
55°	542.3	605.3	627.6	615.3	627.6	605.3	542.3	475.5	411.9	392.2	392.3
52.5°	734.7	760.6	770.6	770.2	770.6	760.6	734.7	700.0	656.2	612.9	570.4
50°	956.5	947.7	934.3	920.9	934.3	947.7	956.5	946.5	913.6	849.5	746.8
47.5°	1596.3	1568.7	1557.0	1578.1	1557.0	1568.7	1596.3	1578.4	1455.5	1296.0	1178.5
45°	2121.4	2153.8	2178.0	2176.7	2178.0	2153.8	2121.4	2094.2	1960.8	1778.3	1590.8
42.5°	2420.3	2437.5	2442.5	2436.3	2442.5	2437.5	2420.3	2390.1	2236.0	2041.0	1826.2
40°	2686.7	2707.3	2718.8	2729.3	2718.8	2707.3	2686.7	2647.0	2520.7	2339.0	2137.1
37.5°	3079.4	3087.0	3070.5	3060.0	3070.5	3087.0	3079.4	3054.4	2978.6	2746.7	2582.5
35°	4042.3	4062.0	4016.4	4064.6	4016.4	4062.0	4042.3	3943.5	3826.4	3688.9	3315.3
32.5°	4965.8	5058.2	5133.0	5194.8	5133.0	5058.2	4965.8	4871.4	4792.1	4526.9	4038.3
30°	5488.9	5548.5	5580.6	5588.3	5580.6	5548.5	5488.9	5415.4	5310.1	4971.0	4519.2
27.5°	5873.0	5935.5	5974.4	6002.7	5974.4	5935.5	5873.0	5805.0	5682.1	5336.2	4892.7
25°	6243.2	6300.3	6339.3	6354.4	6339.3	6300.3	6243.2	6174.1	6023.3	5731.0	5294.1
22.5°	6627.3	6667.0	6704.3	6722.7	6704.3	6667.0	6627.3	6546.4	6383.0	6149.7	5686.9
20°	7177.9	7156.3	7190.4	7179.0	7190.4	7156.3	7177.9	7054.3	6882.1	6639.0	6192.1
17.5°	8300.1	8311.8	8334.5	8372.0	8334.5	8311.8	8300.1	8136.1	7925.7	7706.2	7084.4
15°	9711.5	9739.9	9884.2	10012.9	9884.2	9739.9	9711.5	9552.8	9194.6	8877.8	8168.4
12.5°	10323.6	10421.9	10437.1	10473.4	10437.1	10421.9	10323.6	10099.9	9858.7	9454.7	8810.9
10°	10527.9	10698.1	10694.4	10737.1	10694.4	10698.1	10527.9	10333.2	10136.4	9791.6	9117.8
7.5°	10682.8	10865.6	10942.9	10975.7	10942.9	10865.6	10682.8	10551.0	10356.7	10022.6	9333.6
5°	10872.2	10972.6	11105.9	11067.8	11105.9	10972.6	10872.2	10706.6	10460.9	10105.9	9477.6
2.5°	10951.5	11108.9	11072.6	11109.7	11072.6	11108.9	10951.5	10728.2	10502.2	10216.6	9666.9
0°	11005.0	11118.0	11134.8	11172.5	11134.8	11118.0	11005.0	10783.2	10552.9	10276.7	9719.9
-2.5°	10940.1	11039.6	11213.8	11159.9	11213.8	11039.6	10940.1	10736.5	10517.5	10238.7	9737.9
-5°	10883.2	11128.0	11032.9	11151.5	11032.9	11128.0	10883.2	10666.5	10448.7	10147.3	9623.4
-7.5°	10853.8	10897.6	10960.7	11051.1	10960.7	10897.6	10853.8	10607.2	10368.9	10051.0	9520.3
-10°	10626.6	10671.4	10787.3	10850.1	10787.3	10671.4	10626.6	10513.6	10235.8	9898.4	9390.4
-12.5°	10380.2	10466.9	10588.7	10628.3	10588.7	10466.9	10380.2	10254.8	10056.4	9688.3	9183.3
-15°	10096.4	10225.1	10343.8	10368.8	10343.8	10225.1	10096.4	9948.3	9729.0	9429.4	8933.6
-17.5°	9735.4	9889.9	10014.6	10042.2	10014.6	9889.9	9735.4	9569.7	9354.1	9086.6	8682.4
-20°	9337.7	9485.6	9591.7	9623.6	9591.7	9485.6	9337.7	9164.0	8960.5	8703.5	8322.5



REPORT NUMBER: P627200 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-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°	8911.9	9045.1	9134.8	9121.3	9134.8	9045.1	8911.9	8739.5	8551.4	8317.3	7907.7
-25°	8459.8	8583.4	8668.8	8656.7	8668.8	8583.4	8459.8	8309.3	8122.8	7874.1	7507.2
-27.5°	7981.9	8099.0	8181.1	8183.7	8181.1	8099.0	7981.9	7837.1	7649.4	7398.8	7085.7
-30°	7479.7	7586.0	7652.7	7626.9	7652.7	7586.0	7479.7	7339.2	7165.0	6921.5	6591.2
-32.5°	6961.7	7057.9	7119.0	7137.2	7119.0	7057.9	6961.7	6839.6	6692.7	6469.7	6116.8
-35°	6450.8	6535.5	6588.3	6601.3	6588.3	6535.5	6450.8	6339.2	6196.1	6019.6	5671.1
-37.5°	5943.1	6016.1	6052.9	6036.2	6052.9	6016.1	5943.1	5840.5	5711.5	5559.8	5258.8
-40°	5441.4	5510.9	5553.2	5563.2	5553.2	5510.9	5441.4	5348.2	5228.4	5080.6	4839.0
-42.5°	4948.2	5006.0	5043.1	5060.9	5043.1	5006.0	4948.2	4868.1	4741.9	4577.8	4383.6
-45°	4469.6	4521.3	4556.0	4575.3	4556.0	4521.3	4469.6	4397.9	4274.9	4116.3	3934.5
-47.5°	4003.8	4049.1	4079.1	4093.9	4079.1	4049.1	4003.8	3940.9	3831.2	3674.5	3494.9
-50°	3558.6	3597.8	3625.7	3641.8	3625.7	3597.8	3558.6	3504.0	3410.7	3258.4	3087.9
-52.5°	3136.2	3170.4	3194.3	3206.5	3194.3	3170.4	3136.2	3088.7	3014.2	2870.1	2713.3
-55°	2732.9	2760.7	2782.8	2796.3	2782.8	2760.7	2732.9	2693.9	2640.4	2506.9	2362.5
-57.5°	2356.9	2379.6	2400.4	2415.3	2400.4	2379.6	2356.9	2323.7	2280.0	2165.6	2039.2
-60°	2004.8	2026.3	2044.0	2055.3	2044.0	2026.3	2004.8	1975.4	1938.2	1851.9	1749.4
-62.5°	1687.2	1706.2	1722.4	1733.0	1722.4	1706.2	1687.2	1660.9	1627.2	1560.8	1477.9
-65°	1382.6	1399.6	1411.8	1419.1	1411.8	1399.6	1382.6	1359.7	1330.6	1283.1	1221.8
-67.5°	1125.9	1145.5	1149.4	1147.0	1149.4	1145.5	1125.9	1102.1	1074.3	1037.6	991.5
-70°	896.7	913.3	917.2	916.7	917.2	913.3	896.7	877.6	856.1	829.7	795.4
-72.5°	701.2	710.2	702.5	690.7	702.5	710.2	701.2	690.8	679.7	664.7	639.2
-75°	526.2	520.5	512.3	502.3	512.3	520.5	526.2	530.8	534.6	533.6	514.7
-77.5°	385.4	371.1	361.8	351.6	361.8	371.1	385.4	398.4	410.2	417.7	404.8
-80°	268.3	254.3	244.7	234.4	244.7	254.3	268.3	281.3	293.4	303.2	298.9
-82.5°	170.0	158.5	152.7	146.5	152.7	158.5	170.0	180.9	191.0	199.9	197.2
-85°	94.4	87.6	83.6	79.5	83.6	87.6	94.4	100.8	106.8	112.0	109.1
-87.5°	41.8	41.8	39.8	37.7	39.8	41.8	41.8	41.6	41.5	41.3	40.1
-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: P627200 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-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°	23.0	22.0	20.9	19.9	18.8	17.8	16.7	15.7	14.7	13.6	12.6
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	0.1	0.1	0.0	0.0	0.4	0.5	0.2	0.0	0.4
67.5°	0.0	0.0	0.7	1.7	2.2	2.1	1.9	2.1	2.5	2.3	2.1
65°	2.5	1.6	1.0	2.0	3.1	4.2	4.4	3.9	3.8	4.4	5.2
62.5°	8.5	8.8	7.6	6.4	5.5	6.1	6.7	7.1	6.2	5.0	6.5
60°	25.3	15.4	22.4	24.0	19.1	16.5	24.8	23.6	12.3	10.6	9.5
57.5°	121.4	101.7	111.6	101.4	69.4	60.5	62.8	59.9	54.2	33.2	14.2
55°	418.6	358.7	281.8	243.4	234.5	179.4	133.7	111.6	101.2	73.1	48.4
52.5°	531.7	494.3	436.1	355.9	313.1	297.0	253.9	203.1	161.4	129.1	92.7
50°	666.6	676.6	616.9	505.9	462.0	414.5	372.7	313.9	261.0	209.3	154.5
47.5°	1087.6	1013.1	953.2	870.4	713.0	612.6	546.6	450.4	377.8	315.3	247.7
45°	1450.1	1364.9	1306.3	1177.7	1010.6	855.2	751.4	630.8	502.5	418.8	357.5
42.5°	1707.6	1597.2	1501.0	1396.1	1236.4	1061.1	918.8	799.5	664.6	528.9	447.3
40°	1959.5	1784.6	1689.2	1595.3	1444.8	1248.2	1137.3	962.1	821.2	670.9	559.3
37.5°	2335.3	2037.9	2004.2	1913.7	1743.5	1539.0	1414.2	1241.4	980.0	838.3	710.1
35°	2970.4	2663.9	2487.1	2398.4	2177.6	1917.0	1711.7	1550.2	1290.9	1011.9	864.1
32.5°	3670.2	3282.4	3013.9	2887.5	2650.5	2296.8	2043.5	1838.2	1578.0	1262.1	1025.2
30°	4065.3	3711.7	3388.4	3172.1	2941.8	2637.8	2347.1	2057.2	1774.7	1513.4	1199.7
27.5°	4433.0	3992.1	3643.5	3399.5	3183.8	2891.6	2569.9	2259.1	1948.7	1690.5	1410.8
25°	4783.4	4294.8	3914.8	3628.3	3377.6	3146.2	2782.6	2443.0	2119.2	1833.9	1615.1
22.5°	5109.8	4656.2	4218.4	3843.8	3631.4	3383.0	3024.5	2613.2	2296.8	2056.9	1799.4
20°	5647.2	5139.5	4585.2	4261.0	4063.5	3679.8	3274.2	2867.5	2576.9	2302.1	1999.2
17.5°	6533.3	5899.7	5236.9	4889.8	4610.1	4139.5	3622.6	3219.1	2856.3	2550.1	2216.8
15°	7503.3	6687.7	6031.0	5582.6	5139.4	4588.2	3989.9	3554.1	3141.8	2797.2	2416.6
12.5°	7982.7	7206.3	6625.3	5993.4	5421.6	4922.2	4356.1	3875.5	3407.7	2958.6	2540.3
10°	8268.8	7497.2	6840.1	6209.3	5636.2	5155.6	4629.8	4060.4	3540.7	3065.5	2643.4
7.5°	8491.3	7696.3	6996.4	6368.5	5787.8	5280.8	4777.6	4180.7	3647.1	3151.8	2726.2
5°	8645.4	7851.4	7141.8	6506.9	5895.5	5370.6	4887.3	4271.7	3726.3	3217.3	2789.0
2.5°	8804.1	7971.9	7232.8	6596.4	5964.2	5427.5	4953.7	4341.2	3790.8	3266.0	2841.4
0°	8866.0	8041.3	7296.2	6643.2	6002.7	5450.2	4973.0	4386.9	3834.4	3294.4	2875.8
-2.5°	8905.8	8064.1	7321.1	6673.6	6053.7	5486.0	4994.7	4438.3	3848.2	3325.0	2885.5
-5°	8845.3	8037.3	7300.2	6648.5	6054.8	5488.8	4979.5	4445.8	3844.7	3333.1	2878.0
-7.5°	8771.1	7966.5	7221.0	6581.7	6011.1	5451.0	4934.5	4412.6	3831.5	3319.8	2863.8
-10°	8645.7	7853.5	7143.8	6512.2	5934.4	5370.3	4868.9	4349.4	3788.7	3281.8	2830.6
-12.5°	8478.4	7710.7	7009.9	6385.2	5830.9	5287.3	4796.2	4262.1	3715.7	3218.5	2777.9
-15°	8257.3	7524.0	6844.1	6235.1	5699.0	5179.3	4688.6	4165.6	3644.6	3140.5	2705.7
-17.5°	8015.4	7277.6	6608.0	6034.3	5525.8	5033.1	4551.6	4064.2	3562.5	3067.3	2640.7
-20°	7740.7	7016.1	6352.8	5796.8	5316.9	4850.1	4404.9	3950.7	3448.6	2983.2	2572.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627200 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3D-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°	7345.4	6705.4	6097.3	5552.1	5093.4	4666.1	4237.3	3798.1	3301.0	2877.7	2479.5
-25°	6954.7	6359.6	5813.0	5311.9	4868.9	4463.2	4046.0	3610.7	3169.6	2753.9	2365.9
-27.5°	6572.3	6021.2	5476.6	5026.1	4628.3	4231.9	3840.0	3428.2	3022.0	2614.6	2259.2
-30°	6159.6	5644.1	5153.0	4730.2	4353.6	3986.9	3634.4	3249.9	2850.3	2463.7	2144.1
-32.5°	5706.3	5253.8	4821.0	4423.0	4070.9	3746.1	3411.6	3047.1	2652.2	2322.6	2010.7
-35°	5266.2	4848.6	4475.1	4124.0	3804.5	3507.2	3183.4	2818.4	2471.6	2162.3	1860.2
-37.5°	4872.4	4465.7	4119.8	3817.3	3550.4	3268.5	2945.6	2621.7	2295.7	1983.9	1720.3
-40°	4464.9	4085.4	3778.2	3532.3	3276.9	3023.1	2738.9	2437.8	2116.1	1811.5	1583.0
-42.5°	4069.9	3763.7	3460.9	3214.8	2985.8	2778.0	2538.3	2234.2	1938.6	1674.0	1454.3
-45°	3683.2	3405.0	3128.6	2904.1	2713.7	2518.8	2304.5	2028.2	1762.6	1535.5	1328.3
-47.5°	3285.9	3051.6	2821.1	2612.4	2442.2	2253.0	2046.1	1812.0	1594.3	1389.6	1206.2
-50°	2904.4	2714.4	2527.9	2347.1	2174.8	1990.0	1805.2	1616.2	1422.0	1243.6	1077.1
-52.5°	2545.2	2387.8	2230.2	2072.0	1921.4	1759.9	1589.4	1421.3	1250.4	1101.4	952.7
-55°	2207.3	2072.4	1947.4	1820.5	1693.6	1547.9	1394.1	1242.6	1106.4	969.4	848.2
-57.5°	1908.2	1789.8	1690.3	1586.7	1479.4	1350.4	1218.8	1090.9	977.8	864.5	752.2
-60°	1643.9	1540.6	1455.4	1365.1	1269.8	1162.0	1057.6	956.2	858.5	766.0	669.4
-62.5°	1394.3	1311.0	1234.2	1157.7	1080.3	998.6	909.3	827.5	751.8	673.9	586.5
-65°	1158.2	1092.9	1028.5	966.7	903.1	837.4	766.3	701.6	639.7	576.5	501.0
-67.5°	942.8	891.7	839.5	787.8	738.2	686.1	632.0	578.1	527.7	476.1	414.8
-70°	758.9	720.5	679.9	636.7	595.7	554.9	513.1	469.5	423.3	381.2	339.2
-72.5°	612.6	585.0	554.6	519.7	482.8	447.5	413.6	379.5	344.5	308.5	271.8
-75°	495.0	474.8	451.7	422.5	392.6	362.0	333.4	304.1	272.1	237.2	203.1
-77.5°	392.0	379.6	365.3	342.1	318.6	294.9	269.4	237.4	204.9	172.6	144.5
-80°	293.8	288.0	279.5	259.3	239.1	219.0	197.7	169.8	142.1	116.1	95.2
-82.5°	193.9	189.9	184.5	171.0	157.7	144.6	131.2	111.8	93.3	75.7	60.2
-85°	106.0	102.5	98.7	92.4	86.0	79.7	73.2	62.5	52.5	43.1	34.7
-87.5°	38.8	37.5	36.1	34.7	33.3	31.9	30.4	27.3	24.2	21.3	18.5
-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: P627200 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-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°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	11.6	10.5	9.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.2
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.7	1.3
82.5°	0.0	0.0	0.0	0.1	0.7	1.1	1.2	1.1	0.6	0.1	0.3
80°	0.0	0.0	0.0	0.1	1.0	2.2	2.8	2.9	2.2	1.5	0.8
77.5°	0.0	0.0	0.0	0.0	0.4	1.2	2.4	3.8	3.8	2.9	2.1
75°	0.0	0.0	0.0	0.2	0.3	0.1	0.9	2.2	3.4	4.1	3.3
72.5°	0.0	0.0	0.0	0.5	1.1	1.2	0.7	0.7	2.4	3.6	4.1
70°	0.6	0.2	0.0	0.7	1.7	2.6	2.4	1.9	1.6	3.1	4.0
67.5°	2.0	2.1	1.6	1.2	1.9	2.9	3.9	3.7	3.3	2.7	3.9
65°	4.9	4.5	4.1	3.7	3.1	3.1	4.1	5.2	4.9	4.2	3.8
62.5°	7.3	7.3	6.7	6.1	5.5	4.7	4.4	5.8	6.4	5.7	4.7
60°	9.4	9.9	9.4	8.6	7.7	6.9	6.2	6.6	7.3	7.1	6.0
57.5°	13.0	12.7	12.5	11.3	10.0	9.0	8.4	8.2	8.4	8.3	7.3
55°	22.9	16.0	16.1	14.9	12.8	11.1	10.6	10.2	9.8	9.6	8.5
52.5°	58.1	32.2	20.7	19.1	16.7	13.7	12.8	12.1	11.5	10.9	9.7
50°	107.3	69.5	39.4	24.7	21.0	17.9	14.9	14.1	13.3	12.4	10.9
47.5°	171.9	119.5	77.6	39.0	27.2	22.4	18.6	16.1	15.0	14.0	12.1
45°	264.7	176.1	122.1	77.1	36.2	30.9	23.0	18.0	16.8	15.4	13.2
42.5°	368.3	258.4	171.3	116.5	69.2	42.8	27.6	21.9	18.5	17.0	14.5
40°	469.9	357.1	230.1	160.6	104.4	57.4	39.7	26.1	20.2	18.6	15.9
37.5°	582.3	461.5	322.3	207.7	140.2	87.7	54.4	30.4	23.0	20.4	17.4
35°	721.3	577.3	414.6	276.8	185.7	115.7	70.7	38.7	28.3	22.2	18.9
32.5°	860.2	692.9	514.3	357.1	233.2	141.6	92.0	55.2	34.5	24.1	20.4
30°	999.9	798.9	608.2	431.3	287.9	183.1	114.9	71.3	41.6	26.1	22.0
27.5°	1125.7	898.8	696.2	509.0	352.0	226.9	138.8	86.9	49.4	29.6	23.7
25°	1267.8	1006.8	782.7	583.2	410.7	272.6	163.4	102.1	60.8	35.7	25.3
22.5°	1450.6	1117.8	862.9	650.5	468.8	316.2	195.0	122.3	73.4	42.0	27.0
20°	1632.5	1226.2	941.4	734.8	532.0	365.4	231.6	142.3	85.4	48.7	28.6
17.5°	1810.9	1365.2	1055.7	820.9	599.6	411.4	265.7	162.0	96.7	55.4	30.2
15°	1970.9	1524.4	1168.1	902.3	665.8	454.0	297.3	181.1	107.2	62.2	32.3
12.5°	2105.2	1661.6	1273.9	978.5	729.5	492.8	326.2	199.4	117.0	69.7	35.3
10°	2216.2	1777.6	1372.0	1048.9	789.8	527.8	352.2	217.8	128.4	77.7	38.3
7.5°	2304.9	1873.5	1461.2	1112.9	844.4	560.5	380.2	237.1	139.5	85.3	41.4
5°	2371.6	1948.3	1530.2	1158.7	887.9	590.5	406.0	254.8	149.7	92.4	44.5
2.5°	2414.9	2003.4	1581.4	1194.7	923.2	615.8	428.7	270.8	159.1	98.9	47.4
0°	2440.4	2042.8	1620.0	1222.3	950.2	636.3	447.9	284.6	167.4	104.7	50.2
-2.5°	2463.2	2068.6	1653.7	1270.4	968.7	669.9	460.2	297.1	180.6	108.8	55.3
-5°	2470.8	2079.9	1675.8	1307.6	979.9	697.1	468.9	307.3	192.2	112.2	60.0
-7.5°	2458.1	2073.1	1683.6	1328.7	985.2	716.3	473.9	315.3	201.7	114.8	64.1
-10°	2429.8	2050.7	1673.4	1322.3	992.3	722.3	476.8	321.2	208.5	116.7	67.5
-12.5°	2387.8	2016.8	1651.4	1308.2	991.1	718.5	484.7	325.8	212.1	118.0	70.0
-15°	2332.8	1972.5	1617.7	1287.5	979.2	709.8	486.7	327.4	211.7	120.5	71.5
-17.5°	2268.0	1918.7	1572.7	1261.1	956.0	696.8	482.3	325.4	209.6	124.1	73.1
-20°	2203.2	1859.0	1519.2	1229.9	920.9	679.9	471.1	319.4	205.8	126.4	74.6

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Scaled Data Report



REPORT NUMBER: P627200 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3D-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°	2127.3	1790.4	1473.0	1186.3	883.0	659.5	452.7	309.2	200.3	127.4	75.2
-25°	2040.0	1710.3	1417.4	1126.4	853.2	636.5	433.8	294.8	193.2	127.1	75.0
-27.5°	1941.2	1624.7	1352.0	1060.8	822.1	604.3	415.8	284.2	187.1	125.3	73.9
-30°	1831.1	1544.2	1273.8	997.7	784.2	569.6	392.3	272.3	184.4	122.9	71.8
-32.5°	1712.4	1453.4	1189.8	949.7	741.1	533.5	371.5	258.8	179.8	119.9	71.9
-35°	1601.1	1354.8	1104.0	894.2	695.4	512.1	357.7	243.9	173.3	115.8	72.3
-37.5°	1481.8	1251.3	1036.1	836.4	647.2	487.5	346.4	237.3	164.9	110.4	72.0
-40°	1367.2	1153.1	957.4	781.2	611.6	459.9	328.7	229.8	156.8	103.9	71.1
-42.5°	1251.1	1060.9	882.2	721.2	578.0	433.1	306.1	218.4	150.3	100.2	69.4
-45°	1144.2	965.6	802.2	668.9	540.6	398.8	288.6	204.1	142.3	97.5	67.9
-47.5°	1031.9	868.5	729.0	611.6	491.7	361.6	266.5	192.8	132.7	94.0	67.0
-50°	916.0	776.6	660.6	548.7	431.9	330.6	242.8	179.4	129.3	91.2	65.3
-52.5°	814.5	695.9	590.6	483.9	386.8	294.2	224.9	165.0	124.7	88.9	63.0
-55°	727.1	619.1	521.7	430.9	343.8	267.5	204.6	158.1	119.0	86.0	60.2
-57.5°	649.9	547.9	465.2	383.6	307.9	241.8	190.2	149.9	113.1	81.9	57.7
-60°	574.9	491.2	413.8	341.1	274.4	219.6	179.1	140.5	106.0	76.8	54.8
-62.5°	505.5	431.8	364.5	298.8	244.4	201.5	166.3	129.6	97.7	70.4	51.0
-65°	432.7	369.9	313.0	261.4	217.1	180.4	149.7	117.2	86.7	62.7	46.2
-67.5°	357.0	310.9	266.5	223.5	187.4	156.5	130.8	100.7	73.8	53.8	40.6
-70°	297.3	256.7	219.1	185.4	155.9	130.7	106.9	81.4	59.5	46.1	34.6
-72.5°	236.7	203.6	172.8	145.9	124.9	103.5	81.8	62.3	49.4	38.0	28.3
-75°	175.2	152.8	132.8	114.1	95.2	76.5	62.4	49.5	38.9	29.6	23.9
-77.5°	127.2	111.0	96.2	84.4	71.4	58.9	47.1	36.3	29.5	24.6	20.1
-80°	86.4	77.9	69.7	61.4	50.9	41.0	34.0	27.9	23.7	19.8	16.2
-82.5°	54.4	49.9	45.8	41.6	35.5	30.0	25.2	21.1	17.9	14.9	13.1
-85°	32.2	29.8	27.5	25.1	21.7	18.8	17.3	16.0	14.7	13.3	11.9
-87.5°	18.2	17.9	17.7	17.4	16.5	15.7	15.0	14.3	13.1	11.9	10.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	3.1

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REPORT NUMBER: P627200 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3D-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.4	7.4	6.3	5.2	4.2	4.2	4.2
87.5°	3.1	3.5	3.8	4.1	4.2	4.2	4.2
85°	2.0	2.8	3.5	3.9	4.2	4.2	4.2
82.5°	1.0	2.2	3.1	3.8	4.2	4.2	4.2
80°	0.2	1.6	2.8	3.7	4.2	4.2	4.2
77.5°	1.3	1.4	2.5	3.6	4.2	4.2	4.2
75°	2.3	2.1	2.3	3.5	4.2	4.2	4.2
72.5°	3.4	2.7	2.7	3.4	4.2	4.2	4.2
70°	4.2	3.3	3.0	3.4	4.2	4.2	4.2
67.5°	4.3	3.9	3.4	3.5	4.2	4.2	4.2
65°	4.5	4.4	3.7	3.6	4.2	4.2	4.2
62.5°	4.7	4.7	3.9	3.8	4.2	4.2	4.2
60°	5.0	5.0	4.2	3.9	4.2	4.2	4.2
57.5°	6.0	5.4	4.6	4.0	4.2	4.2	4.2
55°	7.0	5.9	5.0	4.1	4.3	4.2	4.2
52.5°	8.1	6.4	5.5	4.1	4.4	4.2	4.2
50°	9.1	7.3	5.9	4.2	4.5	4.2	4.2
47.5°	10.1	8.1	6.4	4.3	4.6	4.2	4.2
45°	11.1	8.9	6.9	4.7	4.7	4.2	4.2
42.5°	12.1	9.7	7.4	5.1	4.8	4.2	4.2
40°	13.0	10.5	8.0	5.6	5.0	4.2	4.2
37.5°	13.9	11.3	8.6	6.1	5.2	4.2	4.2
35°	14.7	12.0	9.2	6.7	5.3	4.2	4.2
32.5°	15.7	12.7	9.8	7.2	5.5	4.2	4.2
30°	16.9	13.4	10.3	7.7	5.7	4.2	4.2
27.5°	18.2	14.0	11.0	8.2	5.9	4.2	4.2
25°	19.4	14.6	11.6	8.7	6.2	4.2	4.2
22.5°	20.6	15.2	12.3	9.2	6.4	4.2	4.2
20°	21.8	16.0	12.9	9.7	6.6	4.2	4.2
17.5°	23.0	16.7	13.4	10.1	6.9	4.2	4.2
15°	24.2	17.4	14.0	10.5	7.1	4.2	4.2
12.5°	25.3	18.1	14.5	10.9	7.3	4.2	4.2
10°	26.3	18.7	15.0	11.3	7.6	4.2	4.2
7.5°	27.2	19.3	15.5	11.7	7.8	4.2	4.2
5°	28.0	19.9	15.9	12.0	8.0	4.2	4.2
2.5°	28.7	20.4	16.3	12.3	8.2	4.2	4.2
0°	29.3	20.9	16.7	12.6	8.4	4.2	4.2
-2.5°	30.9	21.3	17.1	12.6	8.4	4.2	4.2
-5°	32.4	21.7	17.4	12.6	8.4	4.2	4.2
-7.5°	33.7	22.1	17.6	12.5	8.3	4.2	4.2
-10°	34.8	22.4	17.8	12.4	8.3	4.2	4.2
-12.5°	35.6	22.7	18.0	12.3	8.2	4.2	4.2
-15°	36.1	22.9	18.0	12.2	8.1	4.2	4.2
-17.5°	36.3	23.1	18.0	12.0	8.0	4.2	4.2
-20°	37.3	23.3	17.9	11.8	7.9	4.2	4.2

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	39.6	23.4	17.7	11.6	7.8	4.2	4.2
-25°	41.6	24.9	17.4	11.4	7.6	4.2	4.2
-27.5°	43.1	26.8	17.0	11.2	7.4	4.2	4.2
-30°	44.2	28.5	16.6	10.9	7.3	4.2	4.2
-32.5°	44.7	29.9	17.2	10.6	7.1	4.2	4.2
-35°	45.9	31.0	17.6	10.3	6.9	4.2	4.2
-37.5°	47.1	31.7	17.9	10.0	6.7	4.2	4.2
-40°	47.9	31.9	18.0	9.6	6.4	4.2	4.2
-42.5°	48.1	31.9	18.2	9.4	6.2	4.2	4.2
-45°	47.9	31.7	18.3	9.5	5.9	4.2	4.2
-47.5°	47.2	31.2	18.1	9.4	5.7	4.2	4.2
-50°	46.2	30.5	17.8	9.3	5.4	4.2	4.2
-52.5°	44.9	29.6	17.3	9.1	5.1	4.2	4.2
-55°	43.3	28.4	16.5	8.9	4.8	4.2	4.2
-57.5°	41.4	26.8	15.6	8.6	4.5	4.2	4.2
-60°	39.1	25.0	14.5	8.2	4.2	4.2	4.2
-62.5°	35.9	22.9	13.7	7.7	4.2	4.2	4.2
-65°	32.4	20.5	12.8	7.2	4.2	4.2	4.2
-67.5°	28.5	18.4	11.8	6.7	4.2	4.2	4.2
-70°	24.3	16.7	10.7	6.1	4.2	4.2	4.2
-72.5°	21.4	14.9	9.6	5.9	4.2	4.2	4.2
-75°	18.7	13.0	8.4	5.9	4.2	4.2	4.2
-77.5°	15.8	11.0	7.9	5.8	4.2	4.2	4.2
-80°	12.8	9.9	7.6	5.7	4.2	4.2	4.2
-82.5°	11.6	9.3	7.3	5.6	4.2	4.2	4.2
-85°	10.5	8.7	7.0	5.5	4.2	4.2	4.2
-87.5°	9.5	8.0	6.7	5.4	4.2	4.2	4.2
-90°	4.2	4.2	4.2	4.2	4.2	4.2	4.2

(END OF REPORT)