

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: P627260 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3E-727-U-VWR-VSR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627260 (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-SA3E-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: -

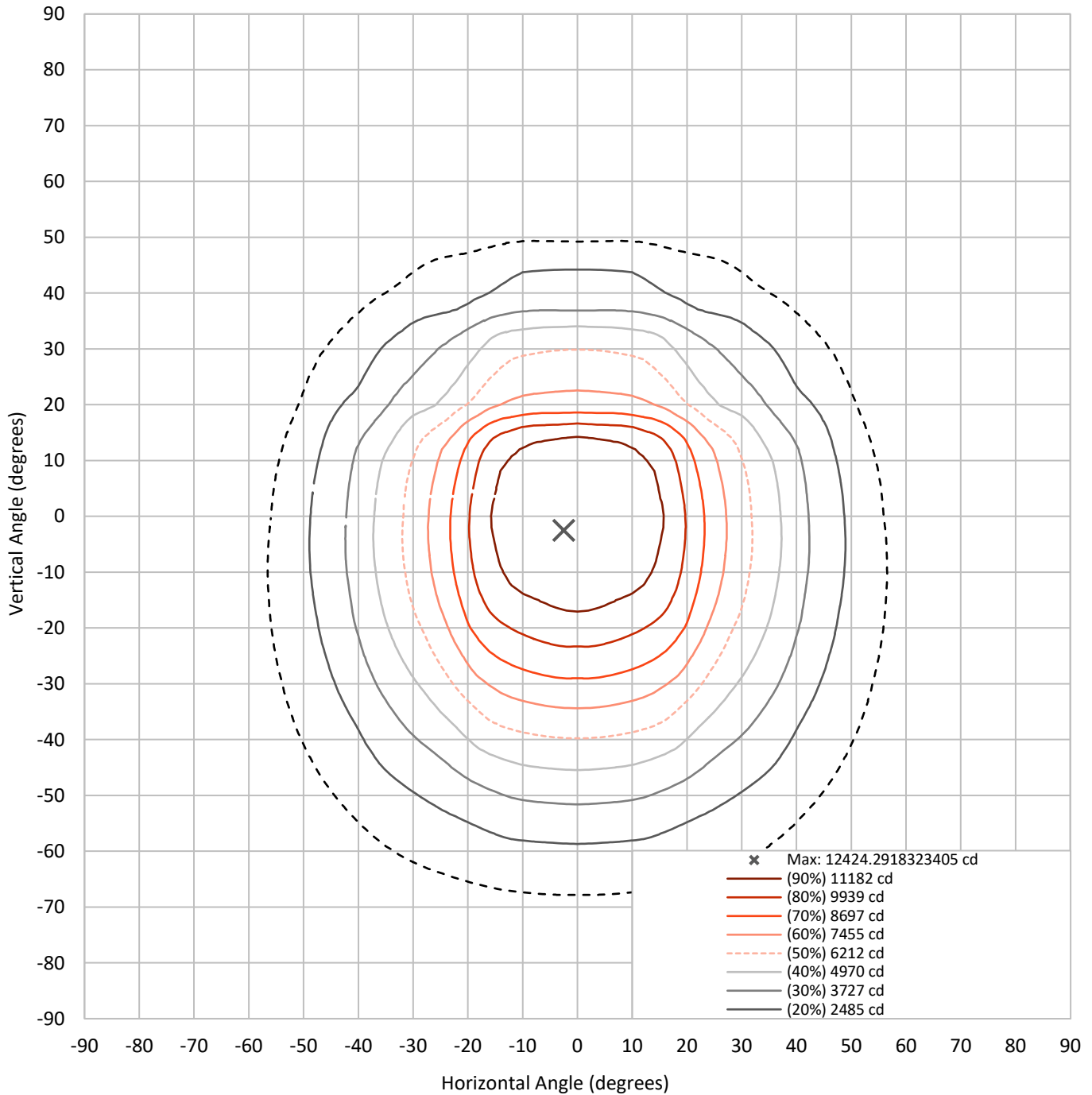
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	16580.7 lumens	Max Intensity:	12424.3 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	89.5 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:	9593 lumens	Field Lumens:	15734 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	185.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





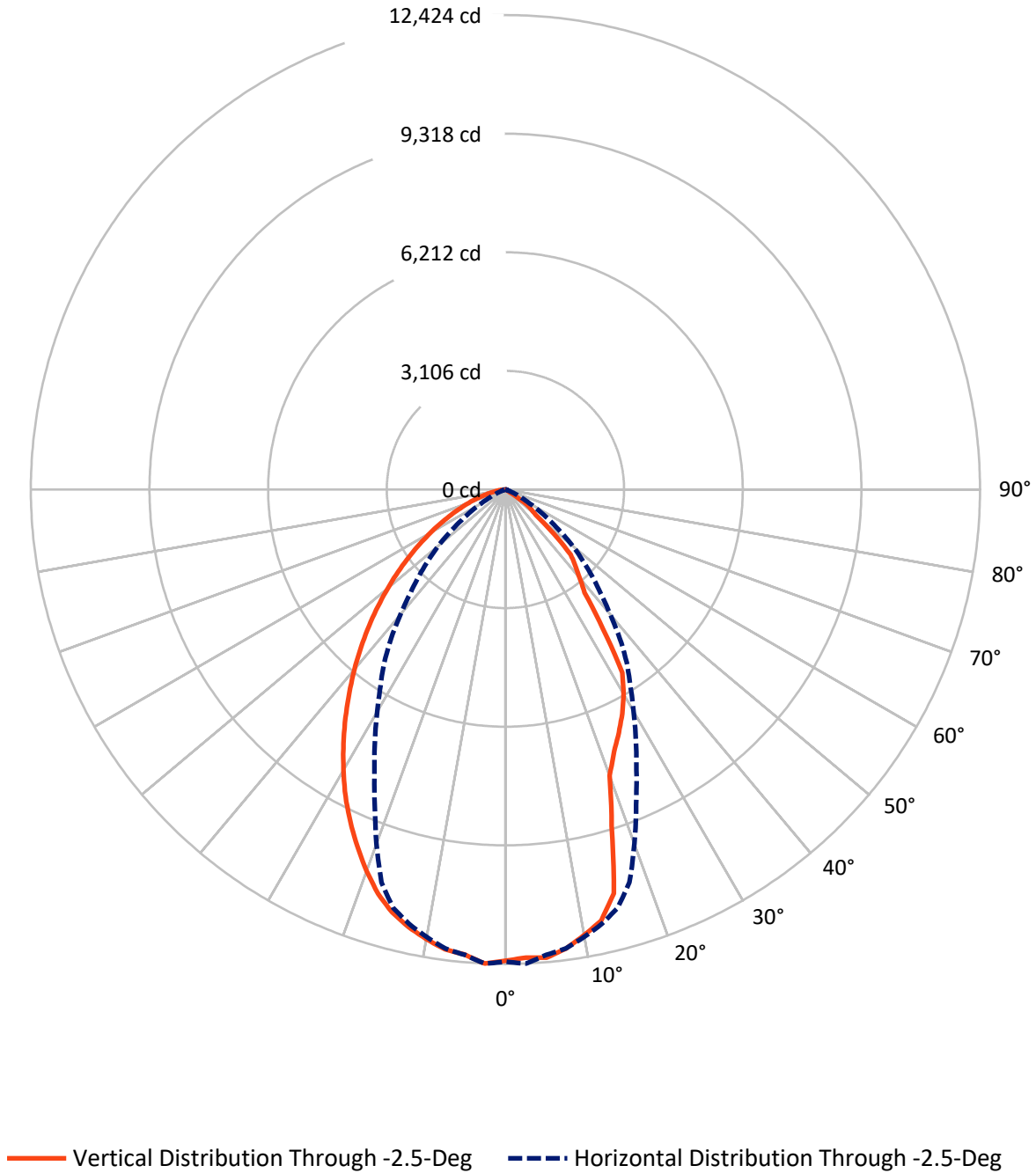
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Lumen Table

90																			
80	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
70																			
60	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1		
50		0.1	0.3	1.5	4.5	8.7	12.9	16.1	16.1	12.9	8.7	4.5	1.5	0.3	0.1				
40	0.3	0.3	1.8	8.5	20.6	37.0	54.7	66.9	66.9	54.7	37.0	20.6	8.5	1.8	0.3	0.3	0.3		
30		0.8	6.2	21.5	48.0	77.9	116.8	136.6	136.6	116.8	77.9	48.0	21.5	6.2	0.8				
20	0.5	1.8	11.9	38.2	77.4	122.8	184.1	211.7	211.7	184.1	122.8	77.4	38.2	11.9	1.8	0.5	0.5		
10		3.2	18.3	56.5	111.5	183.6	273.3	313.4	313.4	273.3	183.6	111.5	56.5	18.3	3.2				
0	0.8	4.3	23.7	67.1	133.4	219.4	322.7	366.2	366.2	322.7	219.4	133.4	67.1	23.7	4.3	0.8	0.8		
-10		5.1	26.2	69.7	137.0	224.4	325.1	367.6	367.6	325.1	224.4	137.0	69.7	26.2	5.1				
-20	1.1	5.3	25.6	65.9	129.2	210.1	301.7	340.9	340.9	301.7	210.1	129.2	65.9	25.6	5.3	1.1	1.1		
-30		4.8	22.4	57.5	111.6	178.6	252.9	286.5	286.5	252.9	178.6	111.6	57.5	22.4	4.8				
-40	1.0	4.1	17.9	45.2	87.8	137.8	193.2	218.7	218.7	193.2	137.8	87.8	45.2	17.9	4.1	1.0	1.0		
-50		3.3	13.2	32.3	62.9	96.9	133.7	151.7	151.7	133.7	96.9	62.9	32.3	13.2	3.3				
-60	0.8	2.4	8.6	20.7	39.1	60.1	81.7	93.2	93.2	81.7	60.1	39.1	20.7	8.6	2.4	0.8	0.8		
-70		1.7	5.2	12.1	21.5	31.9	42.2	47.9	47.9	42.2	31.9	21.5	12.1	5.2	1.7				
-80	0.3	3.9	17.9	39.0	43.5	39.0	17.9	3.9	0.3	0.3	3.9	17.9	39.0	43.5	39.0	17.9	3.9		
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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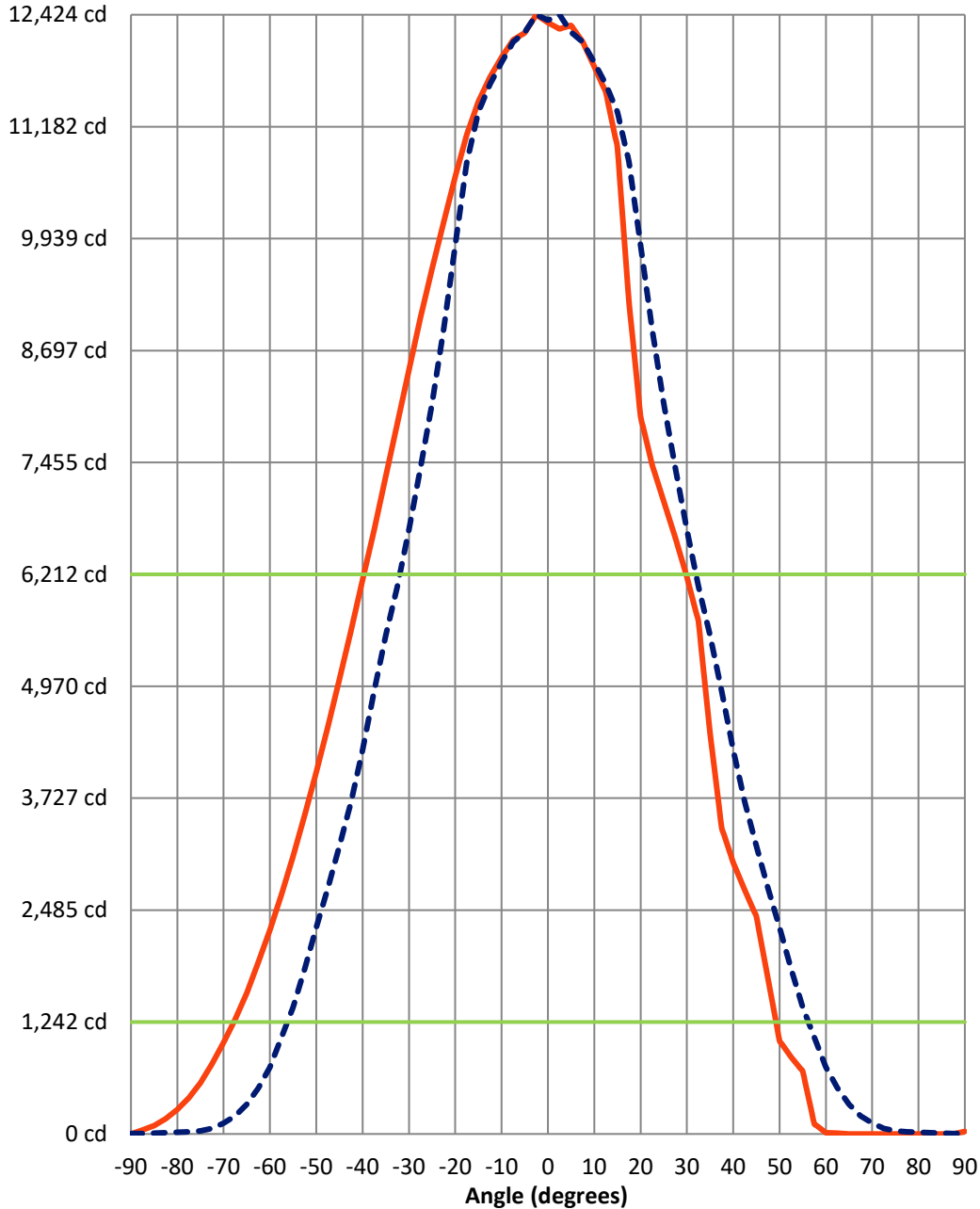
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 9593
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 15734
 Efficiency: 94.9%

Spill:
 Lumens: 846.7
 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°	4.6	4.6	4.6	5.8	7.0	8.1	9.3	10.5	11.6	12.8	13.9
87.5°	4.6	4.6	4.6	4.5	4.2	3.9	3.4	2.4	1.5	0.7	0.0
85°	4.6	4.6	4.6	4.3	3.8	3.1	2.2	1.4	0.7	0.3	0.0
82.5°	4.6	4.6	4.6	4.2	3.4	2.4	1.1	0.4	0.1	0.7	1.2
80°	4.6	4.6	4.6	4.0	3.1	1.7	0.2	0.9	1.7	2.4	3.1
77.5°	4.6	4.6	4.6	3.9	2.7	1.5	1.4	2.3	3.2	4.1	4.2
75°	4.6	4.6	4.6	3.8	2.5	2.3	2.6	3.6	4.5	3.7	2.4
72.5°	4.6	4.6	4.6	3.7	2.9	3.0	3.7	4.5	3.9	2.7	0.8
70°	4.6	4.6	4.6	3.7	3.3	3.7	4.6	4.4	3.4	1.8	2.1
67.5°	4.6	4.6	4.6	3.8	3.7	4.3	4.7	4.2	3.0	3.6	4.1
65°	4.6	4.6	4.6	4.0	4.0	4.8	4.9	4.2	4.6	5.4	5.7
62.5°	4.6	4.6	4.6	4.1	4.3	5.1	5.2	5.2	6.2	7.0	6.4
60°	4.6	4.6	4.6	4.3	4.6	5.5	5.5	6.6	7.8	8.1	7.2
57.5°	4.6	4.6	4.7	4.4	5.0	6.0	6.6	8.0	9.2	9.3	9.1
55°	4.6	4.6	4.7	4.4	5.5	6.5	7.8	9.4	10.6	10.8	11.3
52.5°	4.6	4.6	4.8	4.5	6.0	7.1	8.9	10.8	12.1	12.8	13.5
50°	4.6	4.6	4.9	4.6	6.5	8.0	10.1	12.1	13.7	14.7	15.7
47.5°	4.6	4.6	5.0	4.7	7.1	9.0	11.2	13.4	15.5	16.7	17.8
45°	4.6	4.6	5.2	5.1	7.6	9.9	12.3	14.6	17.1	18.7	20.0
42.5°	4.6	4.6	5.3	5.6	8.2	10.8	13.3	16.0	18.9	20.6	24.2
40°	4.6	4.6	5.5	6.1	8.9	11.6	14.4	17.6	20.7	22.5	28.9
37.5°	4.6	4.6	5.7	6.8	9.5	12.5	15.4	19.3	22.6	25.5	33.7
35°	4.6	4.6	5.9	7.4	10.2	13.3	16.4	20.9	24.7	31.4	42.9
32.5°	4.6	4.6	6.1	8.0	10.8	14.0	17.4	22.7	26.8	38.2	61.2
30°	4.6	4.6	6.3	8.5	11.4	14.8	18.8	24.4	29.0	46.1	79.0
27.5°	4.6	4.6	6.6	9.1	12.1	15.5	20.2	26.2	32.8	54.7	96.3
25°	4.6	4.6	6.8	9.7	12.8	16.2	21.6	28.1	39.5	67.4	113.2
22.5°	4.6	4.6	7.1	10.2	13.6	16.9	22.9	29.9	46.6	81.4	135.5
20°	4.6	4.6	7.3	10.7	14.2	17.8	24.2	31.7	53.9	94.6	157.7
17.5°	4.6	4.6	7.6	11.2	14.9	18.6	25.6	33.5	61.4	107.1	179.5
15°	4.6	4.6	7.8	11.6	15.5	19.4	26.8	35.8	68.9	118.8	200.7
12.5°	4.6	4.6	8.1	12.1	16.1	20.1	28.0	39.1	77.3	129.6	221.0
10°	4.6	4.6	8.4	12.5	16.7	20.8	29.1	42.5	86.1	142.3	241.3
7.5°	4.6	4.6	8.6	12.9	17.2	21.5	30.1	45.9	94.5	154.5	262.7
5°	4.6	4.6	8.9	13.2	17.7	22.1	31.0	49.3	102.4	165.9	282.4
2.5°	4.6	4.6	9.1	13.6	18.2	22.7	31.8	52.6	109.5	176.3	300.1
0°	4.6	4.6	9.3	13.9	18.6	23.2	32.5	55.7	115.9	185.5	315.4
-2.5°	4.6	4.6	9.3	13.9	19.0	23.7	34.3	61.4	120.5	200.1	329.2
-5°	4.6	4.6	9.3	13.8	19.3	24.1	35.9	66.5	124.2	213.0	340.5
-7.5°	4.6	4.6	9.2	13.8	19.6	24.5	37.4	71.1	127.1	223.5	349.3
-10°	4.6	4.6	9.2	13.7	19.8	24.9	38.6	74.8	129.3	231.0	355.8
-12.5°	4.6	4.6	9.1	13.6	20.0	25.2	39.5	77.6	130.8	235.0	360.9
-15°	4.6	4.6	9.0	13.4	20.0	25.4	40.0	79.3	133.5	234.6	362.7
-17.5°	4.6	4.6	8.9	13.3	20.0	25.6	40.2	81.0	137.5	232.2	360.5
-20°	4.6	4.6	8.7	13.1	19.9	25.8	41.3	82.6	140.1	228.0	353.9

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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°	4.6	4.6	8.6	12.8	19.6	25.9	43.9	83.4	141.2	221.9	342.6
-25°	4.6	4.6	8.4	12.6	19.3	27.6	46.1	83.1	140.8	214.0	326.6
-27.5°	4.6	4.6	8.2	12.3	18.8	29.8	47.8	81.8	138.8	207.3	314.8
-30°	4.6	4.6	8.0	12.0	18.3	31.6	48.9	79.6	136.2	204.3	301.7
-32.5°	4.6	4.6	7.8	11.7	19.0	33.2	49.5	79.7	132.9	199.2	286.8
-35°	4.6	4.6	7.6	11.4	19.5	34.4	50.9	80.1	128.3	192.0	270.3
-37.5°	4.6	4.6	7.4	11.0	19.8	35.1	52.3	79.8	122.4	182.7	262.9
-40°	4.6	4.6	7.1	10.7	20.0	35.4	53.1	78.8	115.1	173.7	254.6
-42.5°	4.6	4.6	6.8	10.4	20.1	35.4	53.4	77.0	111.0	166.6	242.0
-45°	4.6	4.6	6.5	10.5	20.2	35.1	53.1	75.3	108.0	157.7	226.2
-47.5°	4.6	4.6	6.2	10.4	20.1	34.6	52.3	74.2	104.2	147.0	213.6
-50°	4.6	4.6	5.9	10.3	19.7	33.8	51.2	72.4	101.1	143.2	198.7
-52.5°	4.6	4.6	5.6	10.1	19.1	32.8	49.8	69.9	98.5	138.2	182.8
-55°	4.6	4.6	5.3	9.8	18.3	31.4	48.0	66.7	95.3	132.0	175.1
-57.5°	4.6	4.6	4.9	9.5	17.3	29.7	45.9	63.9	90.8	125.4	166.1
-60°	4.6	4.6	4.6	9.0	16.1	27.7	43.3	60.7	85.1	117.5	155.7
-62.5°	4.6	4.6	4.6	8.5	15.2	25.3	39.8	56.6	78.0	108.2	143.6
-65°	4.6	4.6	4.6	8.0	14.2	22.7	35.9	51.2	69.5	96.0	129.8
-67.5°	4.6	4.6	4.6	7.3	13.1	20.4	31.6	45.0	59.6	81.8	111.5
-70°	4.6	4.6	4.6	6.7	11.9	18.5	26.9	38.3	51.1	65.9	90.1
-72.5°	4.6	4.6	4.6	6.5	10.6	16.5	23.7	31.3	42.1	54.7	69.0
-75°	4.6	4.6	4.6	6.5	9.2	14.4	20.7	26.4	32.8	43.1	54.9
-77.5°	4.6	4.6	4.6	6.4	8.7	12.1	17.4	22.2	27.2	32.6	40.2
-80°	4.6	4.6	4.6	6.3	8.4	10.9	14.1	17.9	21.9	26.3	31.0
-82.5°	4.6	4.6	4.6	6.2	8.1	10.3	12.8	14.5	16.6	19.9	23.4
-85°	4.6	4.6	4.6	6.1	7.7	9.6	11.6	13.2	14.7	16.3	17.8
-87.5°	4.6	4.6	4.6	5.9	7.3	8.9	10.5	11.8	13.2	14.5	15.9
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.4	2.3	1.1	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°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	15.1	16.3	17.4
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°	1.4	1.2	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.0	2.5	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.6	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.0	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.8	1.3	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2.6	2.8	1.9	0.8	0.0	0.2	0.7	0.5	0.0	0.2	0.6
67.5°	4.3	3.2	2.1	1.3	1.7	2.3	2.2	2.3	2.5	2.7	2.3
65°	4.5	3.4	3.5	4.0	4.5	5.0	5.4	5.7	4.8	4.1	4.2
62.5°	4.8	5.2	6.0	6.8	7.4	8.1	8.1	7.2	5.4	6.8	7.8
60°	6.9	7.6	8.6	9.5	10.4	10.9	10.4	10.5	11.7	13.6	26.0
57.5°	9.3	9.9	11.1	12.5	13.8	14.0	14.4	15.7	36.7	60.0	66.3
55°	11.7	12.2	14.2	16.5	17.8	17.7	25.5	53.6	80.9	112.1	123.7
52.5°	14.1	15.1	18.4	21.2	23.0	35.8	64.5	102.7	143.0	178.9	225.1
50°	16.5	19.9	23.3	27.4	43.7	77.1	119.0	171.2	232.0	289.2	347.8
47.5°	20.6	24.9	30.1	43.2	86.1	132.4	190.4	274.5	349.4	418.6	499.0
45°	25.5	34.3	40.1	85.5	135.3	195.1	293.3	396.1	464.1	556.7	698.9
42.5°	30.6	47.5	76.6	129.1	189.8	286.3	408.1	495.6	586.1	736.3	885.8
40°	44.0	63.6	115.6	178.0	254.9	395.7	520.6	619.8	743.3	909.8	1066.0
37.5°	60.3	97.2	155.4	230.2	357.1	511.3	645.2	786.8	928.8	1085.8	1375.4
35°	78.4	128.3	205.8	306.7	459.4	639.7	799.2	957.4	1121.1	1430.3	1717.6
32.5°	102.0	156.9	258.4	395.6	569.9	767.8	953.0	1135.9	1398.4	1748.3	2036.7
30°	127.3	202.9	319.0	478.0	673.9	885.1	1107.8	1329.2	1676.7	1966.3	2279.3
27.5°	153.9	251.4	390.1	563.9	771.4	995.8	1247.2	1563.1	1873.0	2159.1	2503.1
25°	181.1	302.0	455.1	646.2	867.2	1115.5	1404.7	1789.4	2031.8	2348.0	2706.8
22.5°	216.1	350.4	519.4	720.7	956.1	1238.5	1607.3	1993.6	2278.9	2544.8	2895.3
20°	256.6	404.9	589.4	814.1	1043.1	1358.6	1808.7	2215.0	2550.6	2855.1	3177.1
17.5°	294.5	455.8	664.3	909.5	1169.7	1512.6	2006.4	2456.1	2825.3	3164.7	3566.6
15°	329.4	503.0	737.6	999.8	1294.2	1688.9	2183.6	2677.5	3099.2	3481.0	3937.7
12.5°	361.4	546.0	808.3	1084.2	1411.4	1841.0	2332.5	2814.5	3278.0	3775.5	4293.8
10°	390.2	584.7	875.0	1162.2	1520.1	1969.6	2455.5	2928.7	3396.4	3922.9	4498.8
7.5°	421.2	621.0	935.6	1233.1	1619.0	2075.8	2553.7	3020.4	3492.0	4040.7	4632.0
5°	449.8	654.3	983.7	1283.9	1695.4	2158.6	2627.6	3090.0	3564.6	4128.6	4732.8
2.5°	475.0	682.3	1022.9	1323.7	1752.1	2219.7	2675.6	3148.1	3618.5	4200.0	4809.8
0°	496.3	705.0	1052.8	1354.3	1794.9	2263.3	2703.9	3186.2	3650.0	4248.3	4860.5
-2.5°	509.9	742.2	1073.3	1407.6	1832.3	2291.9	2729.2	3196.9	3683.9	4263.6	4917.4
-5°	519.5	772.4	1085.7	1448.7	1856.7	2304.5	2737.5	3188.7	3693.0	4259.7	4925.8
-7.5°	525.0	793.6	1091.5	1472.1	1865.3	2296.9	2723.4	3173.0	3678.2	4245.2	4888.9
-10°	528.2	800.3	1099.4	1465.0	1854.0	2272.0	2692.1	3136.1	3636.1	4197.8	4819.0
-12.5°	537.0	796.0	1098.0	1449.4	1829.6	2234.5	2645.5	3077.8	3566.0	4116.9	4722.2
-15°	539.2	786.4	1084.8	1426.5	1792.4	2185.4	2584.6	2997.8	3479.6	4038.0	4615.2
-17.5°	534.3	772.0	1059.1	1397.2	1742.4	2125.8	2512.9	2925.8	3398.5	3947.1	4502.9
-20°	521.9	753.3	1020.4	1362.6	1683.2	2059.6	2441.1	2850.2	3305.3	3820.9	4377.2



REPORT NUMBER: P627260 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-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°	501.6	730.7	978.4	1314.3	1632.0	1983.6	2356.9	2747.2	3188.4	3657.3	4208.2
-25°	480.6	705.2	945.3	1248.0	1570.5	1894.9	2260.1	2621.3	3051.2	3511.7	4000.5
-27.5°	460.7	669.6	910.9	1175.3	1498.0	1800.1	2150.8	2503.0	2896.8	3348.2	3798.3
-30°	434.6	631.0	868.9	1105.5	1411.3	1710.9	2028.8	2375.5	2729.6	3158.0	3600.8
-32.5°	411.6	591.0	821.1	1052.2	1318.2	1610.3	1897.3	2227.7	2573.3	2938.5	3376.1
-35°	396.3	567.4	770.4	990.7	1223.2	1501.0	1773.9	2061.0	2395.8	2738.4	3122.6
-37.5°	383.8	540.2	717.1	926.6	1147.9	1386.4	1641.8	1906.0	2198.1	2543.6	2904.8
-40°	364.2	509.5	677.6	865.6	1060.7	1277.6	1514.7	1753.8	2007.1	2344.6	2701.0
-42.5°	339.1	479.9	640.4	799.1	977.4	1175.4	1386.2	1611.3	1854.7	2147.9	2475.5
-45°	319.8	441.9	599.0	741.1	888.8	1069.8	1267.7	1471.7	1701.2	1952.9	2247.2
-47.5°	295.3	400.7	544.9	677.7	807.8	962.3	1143.3	1336.4	1539.7	1766.5	2007.6
-50°	269.1	366.3	478.6	608.0	732.0	860.5	1014.9	1193.4	1377.9	1575.6	1790.7
-52.5°	249.1	326.0	428.6	536.2	654.5	771.0	902.5	1055.6	1220.3	1385.5	1574.8
-55°	226.6	296.4	380.9	477.4	578.1	686.0	805.7	939.8	1074.1	1225.8	1376.8
-57.5°	210.8	267.9	341.1	425.0	515.4	607.1	720.1	833.4	957.8	1083.3	1208.7
-60°	198.4	243.3	304.0	377.9	458.5	544.2	636.9	741.6	848.7	951.2	1059.5
-62.5°	184.3	223.3	270.8	331.0	403.8	478.4	560.0	649.8	746.6	832.9	916.9
-65°	165.9	199.9	240.6	289.6	346.8	409.9	479.4	555.0	638.7	708.8	777.4
-67.5°	144.8	173.4	207.7	247.7	295.4	344.6	395.6	459.6	527.5	584.6	640.5
-70°	118.4	144.8	172.8	205.4	242.8	284.5	329.5	375.8	422.4	469.0	520.1
-72.5°	90.6	114.7	138.4	161.7	191.5	225.6	262.3	301.2	341.8	381.7	420.5
-75°	69.1	84.7	105.4	126.4	147.1	169.3	194.1	225.1	262.8	301.5	337.0
-77.5°	52.2	65.3	79.1	93.5	106.5	122.9	140.8	160.1	191.3	227.0	263.1
-80°	37.6	45.5	56.5	68.1	77.3	86.3	95.7	105.4	128.6	157.4	188.1
-82.5°	28.0	33.3	39.4	46.2	50.8	55.3	60.3	66.7	83.9	103.4	123.9
-85°	19.3	20.8	24.1	27.9	30.5	33.1	35.8	38.5	47.8	58.2	69.3
-87.5°	16.6	17.4	18.3	19.2	19.6	19.9	20.2	20.5	23.6	26.9	30.2
-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: P627260 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-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°	18.6	19.8	20.9	22.1	23.2	24.4	25.5	26.7	27.8	27.8	27.8
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°	2.1	2.3	2.4	1.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0
65°	4.9	4.6	3.4	2.2	1.1	1.8	2.8	3.3	3.4	3.0	2.3
62.5°	7.3	6.7	6.1	7.1	8.5	9.8	9.4	8.8	8.2	7.8	8.1
60°	27.4	18.3	21.1	26.6	24.8	17.0	27.9	31.6	26.9	18.4	17.8
57.5°	69.5	67.1	76.9	112.3	123.6	112.6	134.5	163.4	162.5	140.0	139.2
55°	148.1	198.7	259.8	269.7	312.2	397.4	463.8	434.7	434.5	456.4	526.9
52.5°	281.3	329.1	346.9	394.3	483.2	547.7	589.2	632.1	679.1	727.0	775.7
50°	412.9	459.2	511.9	560.5	683.5	749.7	738.6	827.5	941.2	1012.2	1048.7
47.5°	605.6	678.6	789.9	964.3	1056.1	1122.5	1205.0	1305.6	1435.9	1612.6	1748.7
45°	832.5	947.5	1119.7	1304.9	1447.3	1512.2	1606.7	1762.5	1970.3	2172.5	2320.2
42.5°	1018.0	1175.7	1369.9	1546.9	1663.1	1769.6	1892.0	2023.4	2261.3	2477.4	2648.1
40°	1260.1	1382.9	1600.8	1767.6	1871.6	1977.3	2171.1	2367.8	2591.6	2792.9	2932.7
37.5°	1566.9	1705.1	1931.7	2120.3	2220.5	2257.9	2587.4	2861.3	3043.2	3300.1	3384.1
35°	1896.5	2123.9	2412.7	2657.3	2755.5	2951.6	3291.1	3673.2	4087.2	4239.5	4369.3
32.5°	2264.2	2544.8	2936.6	3199.2	3339.3	3636.7	4066.4	4474.3	5015.7	5309.5	5397.3
30°	2600.5	2922.6	3259.4	3514.6	3754.1	4112.3	4504.2	5007.1	5507.7	5883.4	6000.0
27.5°	2847.4	3203.7	3527.5	3766.5	4036.8	4423.1	4911.6	5420.9	5912.3	6295.5	6431.7
25°	3083.0	3485.8	3742.2	4020.0	4337.5	4758.4	5299.8	5865.6	6349.6	6673.6	6840.6
22.5°	3351.0	3748.2	4023.4	4258.8	4673.8	5158.9	5661.4	6300.8	6813.6	7072.1	7253.1
20°	3627.7	4077.1	4502.1	4721.1	5080.2	5694.3	6256.9	6860.6	7355.8	7625.1	7815.8
17.5°	4013.6	4586.3	5107.7	5417.7	5802.3	6536.6	7238.6	7849.2	8538.1	8781.4	9014.4
15°	4420.6	5083.4	5694.2	6185.3	6682.1	7409.6	8313.3	9050.2	9836.2	10187.2	10584.1
12.5°	4826.3	5453.5	6006.9	6640.5	7340.6	7984.2	8844.5	9762.1	10475.3	10923.0	11190.2
10°	5129.6	5712.1	6244.6	6879.7	7578.5	8306.5	9161.4	10102.1	10848.6	11230.7	11448.7
7.5°	5293.3	5850.9	6412.6	7056.1	7751.8	8527.1	9408.0	10341.2	11104.6	11474.7	11690.0
5°	5414.9	5950.4	6532.0	7209.4	7912.8	8699.0	9578.6	10500.8	11196.9	11590.2	11862.4
2.5°	5488.5	6013.5	6608.1	7308.5	8013.6	8832.4	9754.6	10710.4	11319.5	11635.9	11886.3
0°	5509.8	6038.6	6650.8	7360.4	8083.9	8909.4	9823.1	10769.2	11386.1	11692.2	11947.2
-2.5°	5533.8	6078.3	6707.2	7394.0	8111.4	8934.5	9867.2	10789.2	11344.0	11652.9	11895.6
-5°	5517.1	6081.3	6708.4	7366.2	8088.3	8904.9	9800.2	10662.3	11242.7	11576.6	11818.0
-7.5°	5467.2	6039.4	6660.0	7292.2	8000.5	8826.4	9718.0	10548.1	11136.1	11488.2	11752.2
-10°	5394.5	5950.0	6575.0	7215.2	7915.0	8701.2	9579.1	10404.2	10967.0	11340.8	11648.6
-12.5°	5314.0	5858.0	6460.4	7074.5	7766.6	8543.1	9393.6	10174.7	10734.1	11142.0	11361.9
-15°	5194.7	5738.4	6314.2	6908.3	7582.9	8336.2	9148.7	9898.0	10447.4	10779.2	11022.2
-17.5°	5042.9	5576.4	6122.3	6685.8	7321.3	8063.2	8880.6	9619.7	10067.5	10363.9	10602.7
-20°	4880.4	5373.7	5890.9	6422.6	7038.6	7773.5	8576.3	9221.0	9643.0	9927.8	10153.3



REPORT NUMBER: P627260 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-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°	4694.7	5169.8	5643.2	6151.5	6755.6	7429.3	8138.4	8761.4	9215.2	9474.5	9682.9
-25°	4482.8	4944.9	5394.5	5885.4	6440.6	7046.2	7705.5	8317.7	8724.1	8999.7	9206.3
-27.5°	4254.6	4688.7	5127.9	5568.7	6067.9	6671.3	7281.8	7850.6	8197.5	8475.2	8683.1
-30°	4026.8	4417.3	4823.6	5240.9	5709.4	6253.4	6824.6	7302.8	7668.6	7938.4	8131.5
-32.5°	3779.9	4150.5	4510.4	4900.5	5341.5	5821.0	6322.3	6777.2	7168.2	7415.3	7577.9
-35°	3527.0	3885.8	4215.2	4569.3	4958.3	5372.1	5834.8	6283.4	6669.5	6865.0	7023.6
-37.5°	3263.6	3621.3	3933.7	4229.4	4564.6	4947.8	5398.4	5826.5	6160.0	6328.1	6471.0
-40°	3034.6	3349.5	3630.7	3913.7	4186.1	4526.4	4947.0	5361.4	5629.1	5792.9	5925.6
-42.5°	2812.3	3077.9	3308.2	3561.8	3834.5	4170.0	4509.3	4856.8	5072.0	5253.8	5393.6
-45°	2553.3	2790.8	3006.6	3217.6	3466.3	3772.6	4080.9	4359.3	4560.7	4736.4	4872.6
-47.5°	2267.0	2496.2	2705.8	2894.5	3125.6	3381.0	3640.6	3872.2	4071.2	4244.9	4366.3
-50°	2000.0	2204.8	2409.5	2600.4	2800.7	3007.4	3217.9	3421.3	3610.1	3778.9	3882.3
-52.5°	1760.9	1949.9	2128.8	2295.7	2471.0	2645.6	2819.9	3006.1	3179.9	3339.6	3422.2
-55°	1544.6	1715.0	1876.4	2017.0	2157.7	2296.2	2445.6	2617.5	2777.5	2925.4	2984.7
-57.5°	1350.4	1496.2	1639.1	1758.0	1872.8	1983.0	2114.2	2259.3	2399.3	2526.1	2574.6
-60°	1171.8	1287.5	1406.9	1512.4	1612.5	1707.0	1821.4	1938.2	2051.8	2147.4	2188.7
-62.5°	1007.4	1106.4	1196.9	1282.7	1367.4	1452.5	1544.8	1637.5	1729.3	1802.9	1840.1
-65°	849.0	927.8	1000.6	1071.0	1139.5	1210.9	1283.2	1353.7	1421.6	1474.2	1506.5
-67.5°	700.3	760.2	817.9	872.9	930.1	988.0	1044.6	1098.5	1149.6	1190.2	1221.1
-70°	568.5	614.8	660.0	705.5	753.3	798.3	840.9	881.3	919.2	948.5	972.3
-72.5°	458.2	495.8	534.9	575.8	614.5	648.1	678.7	708.2	736.5	753.1	765.4
-75°	369.4	401.1	435.0	468.2	500.4	526.0	548.5	570.3	591.2	592.3	588.1
-77.5°	298.4	326.7	353.0	379.0	404.8	420.6	434.3	448.5	462.8	454.6	441.5
-80°	219.0	242.6	264.9	287.3	309.7	319.0	325.6	331.2	336.0	325.2	311.8
-82.5°	145.4	160.2	174.7	189.5	204.4	210.4	214.8	218.5	221.5	211.7	200.4
-85°	81.1	88.3	95.3	102.3	109.4	113.6	117.4	120.9	124.2	118.3	111.7
-87.5°	33.7	35.3	36.9	38.4	40.0	41.5	42.9	44.4	45.8	46.0	46.1
-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: P627260 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-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°	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	26.7
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	0.0	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°	1.4	0.2	0.0	0.0	0.0	0.2	1.4	2.3	3.0	3.4	3.3
62.5°	8.5	8.9	9.2	9.3	9.2	8.9	8.5	8.1	7.8	8.2	8.8
60°	16.4	14.3	13.8	13.9	13.8	14.3	16.4	17.8	18.4	26.9	31.6
57.5°	128.6	110.1	112.8	125.2	112.8	110.1	128.6	139.2	140.0	162.5	163.4
55°	600.9	670.7	695.4	681.8	695.4	670.7	600.9	526.9	456.4	434.5	434.7
52.5°	814.1	842.7	853.8	853.4	853.8	842.7	814.1	775.7	727.0	679.1	632.1
50°	1059.8	1050.1	1035.2	1020.3	1035.2	1050.1	1059.8	1048.7	1012.2	941.2	827.5
47.5°	1768.7	1738.0	1725.1	1748.5	1725.1	1738.0	1768.7	1748.7	1612.6	1435.9	1305.6
45°	2350.3	2386.2	2413.1	2411.7	2413.1	2386.2	2350.3	2320.2	2172.5	1970.3	1762.5
42.5°	2681.6	2700.7	2706.2	2699.3	2706.2	2700.7	2681.6	2648.1	2477.4	2261.3	2023.4
40°	2976.7	2999.5	3012.4	3023.9	3012.4	2999.5	2976.7	2932.7	2792.9	2591.6	2367.8
37.5°	3411.8	3420.2	3401.9	3390.3	3401.9	3420.2	3411.8	3384.1	3300.1	3043.2	2861.3
35°	4478.7	4500.6	4449.9	4503.4	4449.9	4500.6	4478.7	4369.3	4239.5	4087.2	3673.2
32.5°	5501.9	5604.3	5687.1	5755.6	5687.1	5604.3	5501.9	5397.3	5309.5	5015.7	4474.3
30°	6081.5	6147.5	6183.0	6191.6	6183.0	6147.5	6081.5	6000.0	5883.4	5507.7	5007.1
27.5°	6507.0	6576.2	6619.3	6650.8	6619.3	6576.2	6507.0	6431.7	6295.5	5912.3	5420.9
25°	6917.1	6980.4	7023.5	7040.3	7023.5	6980.4	6917.1	6840.6	6673.6	6349.6	5865.6
22.5°	7342.7	7386.7	7428.1	7448.5	7428.1	7386.7	7342.7	7253.1	7072.1	6813.6	6300.8
20°	7952.8	7928.9	7966.7	7954.0	7966.7	7928.9	7952.8	7815.8	7625.1	7355.8	6860.6
17.5°	9196.2	9209.1	9234.3	9275.8	9234.3	9209.1	9196.2	9014.4	8781.4	8538.1	7849.2
15°	10759.8	10791.3	10951.2	11093.9	10951.2	10791.3	10759.8	10584.1	10187.2	9836.2	9050.2
12.5°	11438.1	11546.9	11563.9	11604.0	11563.9	11546.9	11438.1	11190.2	10923.0	10475.3	9762.1
10°	11664.4	11853.0	11848.9	11896.2	11848.9	11853.0	11664.4	11448.7	11230.7	10848.6	10102.1
7.5°	11836.1	12038.6	12124.2	12160.6	12124.2	12038.6	11836.1	11690.0	11474.7	11104.6	10341.2
5°	12045.8	12157.2	12304.9	12262.6	12304.9	12157.2	12045.8	11862.4	11590.2	11196.9	10500.8
2.5°	12133.7	12308.2	12267.9	12309.0	12267.9	12308.2	12133.7	11886.3	11635.9	11319.5	10710.4
0°	12193.1	12318.3	12336.8	12378.6	12336.8	12318.3	12193.1	11947.2	11692.2	11386.1	10769.2
-2.5°	12121.1	12231.3	12424.3	12364.7	12424.3	12231.3	12121.1	11895.6	11652.9	11344.0	10789.2
-5°	12058.1	12329.3	12224.0	12355.4	12224.0	12329.3	12058.1	11818.0	11576.6	11242.7	10662.3
-7.5°	12025.5	12074.0	12144.0	12244.1	12144.0	12074.0	12025.5	11752.2	11488.2	11136.1	10548.1
-10°	11773.8	11823.4	11951.9	12021.4	11951.9	11823.4	11773.8	11648.6	11340.8	10967.0	10404.2
-12.5°	11500.8	11596.8	11731.8	11775.6	11731.8	11596.8	11500.8	11361.9	11142.0	10734.1	10174.7
-15°	11186.3	11329.0	11460.5	11488.1	11460.5	11329.0	11186.3	11022.2	10779.2	10447.4	9898.0
-17.5°	10786.4	10957.5	11095.6	11126.3	11095.6	10957.5	10786.4	10602.7	10363.9	10067.5	9619.7
-20°	10345.7	10509.6	10627.1	10662.5	10627.1	10509.6	10345.7	10153.3	9927.8	9643.0	9221.0



REPORT NUMBER: P627260 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-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°	9874.0	10021.5	10120.9	10106.0	10120.9	10021.5	9874.0	9682.9	9474.5	9215.2	8761.4
-25°	9373.1	9510.0	9604.6	9591.2	9604.6	9510.0	9373.1	9206.3	8999.7	8724.1	8317.7
-27.5°	8843.6	8973.3	9064.2	9067.1	9064.2	8973.3	8843.6	8683.1	8475.2	8197.5	7850.6
-30°	8287.1	8404.9	8478.8	8450.3	8478.8	8404.9	8287.1	8131.5	7938.4	7668.6	7302.8
-32.5°	7713.2	7819.8	7887.4	7907.6	7887.4	7819.8	7713.2	7577.9	7415.3	7168.2	6777.2
-35°	7147.1	7241.1	7299.5	7314.0	7299.5	7241.1	7147.1	7023.6	6865.0	6669.5	6283.4
-37.5°	6584.7	6665.5	6706.4	6687.9	6706.4	6665.5	6584.7	6471.0	6328.1	6160.0	5826.5
-40°	6028.9	6105.8	6152.6	6163.8	6152.6	6105.8	6028.9	5925.6	5792.9	5629.1	5361.4
-42.5°	5482.5	5546.5	5587.5	5607.2	5587.5	5546.5	5482.5	5393.6	5253.8	5072.0	4856.8
-45°	4952.1	5009.3	5047.8	5069.2	5047.8	5009.3	4952.1	4872.6	4736.4	4560.7	4359.3
-47.5°	4436.1	4486.3	4519.5	4535.9	4519.5	4486.3	4436.1	4366.3	4244.9	4071.2	3872.2
-50°	3942.7	3986.2	4017.2	4035.0	4017.2	3986.2	3942.7	3882.3	3778.9	3610.1	3421.3
-52.5°	3474.8	3512.7	3539.1	3552.6	3539.1	3512.7	3474.8	3422.2	3339.6	3179.9	3006.1
-55°	3027.9	3058.7	3083.1	3098.1	3083.1	3058.7	3027.9	2984.7	2925.4	2777.5	2617.5
-57.5°	2611.3	2636.4	2659.6	2676.1	2659.6	2636.4	2611.3	2574.6	2526.1	2399.3	2259.3
-60°	2221.3	2245.0	2264.7	2277.2	2264.7	2245.0	2221.3	2188.7	2147.4	2051.8	1938.2
-62.5°	1869.3	1890.3	1908.3	1920.1	1908.3	1890.3	1869.3	1840.1	1802.9	1729.3	1637.5
-65°	1531.9	1550.7	1564.2	1572.2	1564.2	1550.7	1531.9	1506.5	1474.2	1421.6	1353.7
-67.5°	1247.5	1269.2	1273.5	1270.8	1273.5	1269.2	1247.5	1221.1	1190.2	1149.6	1098.5
-70°	993.5	1011.9	1016.3	1015.7	1016.3	1011.9	993.5	972.3	948.5	919.2	881.3
-72.5°	776.9	786.9	778.4	765.3	778.4	786.9	776.9	765.4	753.1	736.5	708.2
-75°	582.9	576.5	567.5	556.5	567.5	576.5	582.9	588.1	592.3	591.2	570.3
-77.5°	427.0	411.2	400.9	389.6	400.9	411.2	427.0	441.5	454.6	462.8	448.5
-80°	297.3	281.8	271.1	259.7	271.1	281.8	297.3	311.8	325.2	336.0	331.2
-82.5°	188.3	175.5	169.1	162.3	169.1	175.5	188.3	200.4	211.7	221.5	218.5
-85°	104.6	97.1	92.7	88.1	92.7	97.1	104.6	111.7	118.3	124.2	120.9
-87.5°	46.2	46.3	44.0	41.7	44.0	46.3	46.2	46.1	46.0	45.8	44.4
-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: P627260 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-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°	25.5	24.4	23.2	22.1	20.9	19.8	18.6	17.4	16.3	15.1	13.9
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	0.6	0.2	0.0	0.5
67.5°	0.0	0.0	0.8	1.9	2.4	2.3	2.1	2.3	2.7	2.5	2.3
65°	2.8	1.8	1.1	2.2	3.4	4.6	4.9	4.2	4.1	4.8	5.7
62.5°	9.4	9.8	8.5	7.1	6.1	6.7	7.3	7.8	6.8	5.4	7.2
60°	27.9	17.0	24.8	26.6	21.1	18.3	27.4	26.0	13.6	11.7	10.5
57.5°	134.5	112.6	123.6	112.3	76.9	67.1	69.5	66.3	60.0	36.7	15.7
55°	463.8	397.4	312.2	269.7	259.8	198.7	148.1	123.7	112.1	80.9	53.6
52.5°	589.2	547.7	483.2	394.3	346.9	329.1	281.3	225.1	178.9	143.0	102.7
50°	738.6	749.7	683.5	560.5	511.9	459.2	412.9	347.8	289.2	232.0	171.2
47.5°	1205.0	1122.5	1056.1	964.3	789.9	678.6	605.6	499.0	418.6	349.4	274.5
45°	1606.7	1512.2	1447.3	1304.9	1119.7	947.5	832.5	698.9	556.7	464.1	396.1
42.5°	1892.0	1769.6	1663.1	1546.9	1369.9	1175.7	1018.0	885.8	736.3	586.1	495.6
40°	2171.1	1977.3	1871.6	1767.6	1600.8	1382.9	1260.1	1066.0	909.8	743.3	619.8
37.5°	2587.4	2257.9	2220.5	2120.3	1931.7	1705.1	1566.9	1375.4	1085.8	928.8	786.8
35°	3291.1	2951.6	2755.5	2657.3	2412.7	2123.9	1896.5	1717.6	1430.3	1121.1	957.4
32.5°	4066.4	3636.7	3339.3	3199.2	2936.6	2544.8	2264.2	2036.7	1748.3	1398.4	1135.9
30°	4504.2	4112.3	3754.1	3514.6	3259.4	2922.6	2600.5	2279.3	1966.3	1676.7	1329.2
27.5°	4911.6	4423.1	4036.8	3766.5	3527.5	3203.7	2847.4	2503.1	2159.1	1873.0	1563.1
25°	5299.8	4758.4	4337.5	4020.0	3742.2	3485.8	3083.0	2706.8	2348.0	2031.8	1789.4
22.5°	5661.4	5158.9	4673.8	4258.8	4023.4	3748.2	3351.0	2895.3	2544.8	2278.9	1993.6
20°	6256.9	5694.3	5080.2	4721.1	4502.1	4077.1	3627.7	3177.1	2855.1	2550.6	2215.0
17.5°	7238.6	6536.6	5802.3	5417.7	5107.7	4586.3	4013.6	3566.6	3164.7	2825.3	2456.1
15°	8313.3	7409.6	6682.1	6185.3	5694.2	5083.4	4420.6	3937.7	3481.0	3099.2	2677.5
12.5°	8844.5	7984.2	7340.6	6640.5	6006.9	5453.5	4826.3	4293.8	3775.5	3278.0	2814.5
10°	9161.4	8306.5	7578.5	6879.7	6244.6	5712.1	5129.6	4498.8	3922.9	3396.4	2928.7
7.5°	9408.0	8527.1	7751.8	7056.1	6412.6	5850.9	5293.3	4632.0	4040.7	3492.0	3020.4
5°	9578.6	8699.0	7912.8	7209.4	6532.0	5950.4	5414.9	4732.8	4128.6	3564.6	3090.0
2.5°	9754.6	8832.4	8013.6	7308.5	6608.1	6013.5	5488.5	4809.8	4200.0	3618.5	3148.1
0°	9823.1	8909.4	8083.9	7360.4	6650.8	6038.6	5509.8	4860.5	4248.3	3650.0	3186.2
-2.5°	9867.2	8934.5	8111.4	7394.0	6707.2	6078.3	5533.8	4917.4	4263.6	3683.9	3196.9
-5°	9800.2	8904.9	8088.3	7366.2	6708.4	6081.3	5517.1	4925.8	4259.7	3693.0	3188.7
-7.5°	9718.0	8826.4	8000.5	7292.2	6660.0	6039.4	5467.2	4888.9	4245.2	3678.2	3173.0
-10°	9579.1	8701.2	7915.0	7215.2	6575.0	5950.0	5394.5	4819.0	4197.8	3636.1	3136.1
-12.5°	9393.6	8543.1	7766.6	7074.5	6460.4	5858.0	5314.0	4722.2	4116.9	3566.0	3077.8
-15°	9148.7	8336.2	7582.9	6908.3	6314.2	5738.4	5194.7	4615.2	4038.0	3479.6	2997.8
-17.5°	8880.6	8063.2	7321.3	6685.8	6122.3	5576.4	5042.9	4502.9	3947.1	3398.5	2925.8
-20°	8576.3	7773.5	7038.6	6422.6	5890.9	5373.7	4880.4	4377.2	3820.9	3305.3	2850.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627260 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-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°	8138.4	7429.3	6755.6	6151.5	5643.2	5169.8	4694.7	4208.2	3657.3	3188.4	2747.2
-25°	7705.5	7046.2	6440.6	5885.4	5394.5	4944.9	4482.8	4000.5	3511.7	3051.2	2621.3
-27.5°	7281.8	6671.3	6067.9	5568.7	5127.9	4688.7	4254.6	3798.3	3348.2	2896.8	2503.0
-30°	6824.6	6253.4	5709.4	5240.9	4823.6	4417.3	4026.8	3600.8	3158.0	2729.6	2375.5
-32.5°	6322.3	5821.0	5341.5	4900.5	4510.4	4150.5	3779.9	3376.1	2938.5	2573.3	2227.7
-35°	5834.8	5372.1	4958.3	4569.3	4215.2	3885.8	3527.0	3122.6	2738.4	2395.8	2061.0
-37.5°	5398.4	4947.8	4564.6	4229.4	3933.7	3621.3	3263.6	2904.8	2543.6	2198.1	1906.0
-40°	4947.0	4526.4	4186.1	3913.7	3630.7	3349.5	3034.6	2701.0	2344.6	2007.1	1753.8
-42.5°	4509.3	4170.0	3834.5	3561.8	3308.2	3077.9	2812.3	2475.5	2147.9	1854.7	1611.3
-45°	4080.9	3772.6	3466.3	3217.6	3006.6	2790.8	2553.3	2247.2	1952.9	1701.2	1471.7
-47.5°	3640.6	3381.0	3125.6	2894.5	2705.8	2496.2	2267.0	2007.6	1766.5	1539.7	1336.4
-50°	3217.9	3007.4	2800.7	2600.4	2409.5	2204.8	2000.0	1790.7	1575.6	1377.9	1193.4
-52.5°	2819.9	2645.6	2471.0	2295.7	2128.8	1949.9	1760.9	1574.8	1385.5	1220.3	1055.6
-55°	2445.6	2296.2	2157.7	2017.0	1876.4	1715.0	1544.6	1376.8	1225.8	1074.1	939.8
-57.5°	2114.2	1983.0	1872.8	1758.0	1639.1	1496.2	1350.4	1208.7	1083.3	957.8	833.4
-60°	1821.4	1707.0	1612.5	1512.4	1406.9	1287.5	1171.8	1059.5	951.2	848.7	741.6
-62.5°	1544.8	1452.5	1367.4	1282.7	1196.9	1106.4	1007.4	916.9	832.9	746.6	649.8
-65°	1283.2	1210.9	1139.5	1071.0	1000.6	927.8	849.0	777.4	708.8	638.7	555.0
-67.5°	1044.6	988.0	930.1	872.9	817.9	760.2	700.3	640.5	584.6	527.5	459.6
-70°	840.9	798.3	753.3	705.5	660.0	614.8	568.5	520.1	469.0	422.4	375.8
-72.5°	678.7	648.1	614.5	575.8	534.9	495.8	458.2	420.5	381.7	341.8	301.2
-75°	548.5	526.0	500.4	468.2	435.0	401.1	369.4	337.0	301.5	262.8	225.1
-77.5°	434.3	420.6	404.8	379.0	353.0	326.7	298.4	263.1	227.0	191.3	160.1
-80°	325.6	319.0	309.7	287.3	264.9	242.6	219.0	188.1	157.4	128.6	105.4
-82.5°	214.8	210.4	204.4	189.5	174.7	160.2	145.4	123.9	103.4	83.9	66.7
-85°	117.4	113.6	109.4	102.3	95.3	88.3	81.1	69.3	58.2	47.8	38.5
-87.5°	42.9	41.5	40.0	38.4	36.9	35.3	33.7	30.2	26.9	23.6	20.5
-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: P627260 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-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°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	12.8	11.6	10.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.4
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.7	1.4
82.5°	0.0	0.0	0.0	0.1	0.8	1.2	1.4	1.2	0.7	0.1	0.4
80°	0.0	0.0	0.0	0.1	1.1	2.5	3.0	3.1	2.4	1.7	0.9
77.5°	0.0	0.0	0.0	0.0	0.5	1.3	2.6	4.2	4.1	3.2	2.3
75°	0.0	0.0	0.0	0.2	0.3	0.1	1.0	2.4	3.7	4.5	3.6
72.5°	0.0	0.0	0.0	0.6	1.2	1.3	0.8	0.8	2.7	3.9	4.5
70°	0.7	0.2	0.0	0.8	1.9	2.8	2.6	2.1	1.8	3.4	4.4
67.5°	2.2	2.3	1.7	1.3	2.1	3.2	4.3	4.1	3.6	3.0	4.2
65°	5.4	5.0	4.5	4.0	3.5	3.4	4.5	5.7	5.4	4.6	4.2
62.5°	8.1	8.1	7.4	6.8	6.0	5.2	4.8	6.4	7.0	6.2	5.2
60°	10.4	10.9	10.4	9.5	8.6	7.6	6.9	7.2	8.1	7.8	6.6
57.5°	14.4	14.0	13.8	12.5	11.1	9.9	9.3	9.1	9.3	9.2	8.0
55°	25.5	17.7	17.8	16.5	14.2	12.2	11.7	11.3	10.8	10.6	9.4
52.5°	64.5	35.8	23.0	21.2	18.4	15.1	14.1	13.5	12.8	12.1	10.8
50°	119.0	77.1	43.7	27.4	23.3	19.9	16.5	15.7	14.7	13.7	12.1
47.5°	190.4	132.4	86.1	43.2	30.1	24.9	20.6	17.8	16.7	15.5	13.4
45°	293.3	195.1	135.3	85.5	40.1	34.3	25.5	20.0	18.7	17.1	14.6
42.5°	408.1	286.3	189.8	129.1	76.6	47.5	30.6	24.2	20.6	18.9	16.0
40°	520.6	395.7	254.9	178.0	115.6	63.6	44.0	28.9	22.5	20.7	17.6
37.5°	645.2	511.3	357.1	230.2	155.4	97.2	60.3	33.7	25.5	22.6	19.3
35°	799.2	639.7	459.4	306.7	205.8	128.3	78.4	42.9	31.4	24.7	20.9
32.5°	953.0	767.8	569.9	395.6	258.4	156.9	102.0	61.2	38.2	26.8	22.7
30°	1107.8	885.1	673.9	478.0	319.0	202.9	127.3	79.0	46.1	29.0	24.4
27.5°	1247.2	995.8	771.4	563.9	390.1	251.4	153.9	96.3	54.7	32.8	26.2
25°	1404.7	1115.5	867.2	646.2	455.1	302.0	181.1	113.2	67.4	39.5	28.1
22.5°	1607.3	1238.5	956.1	720.7	519.4	350.4	216.1	135.5	81.4	46.6	29.9
20°	1808.7	1358.6	1043.1	814.1	589.4	404.9	256.6	157.7	94.6	53.9	31.7
17.5°	2006.4	1512.6	1169.7	909.5	664.3	455.8	294.5	179.5	107.1	61.4	33.5
15°	2183.6	1688.9	1294.2	999.8	737.6	503.0	329.4	200.7	118.8	68.9	35.8
12.5°	2332.5	1841.0	1411.4	1084.2	808.3	546.0	361.4	221.0	129.6	77.3	39.1
10°	2455.5	1969.6	1520.1	1162.2	875.0	584.7	390.2	241.3	142.3	86.1	42.5
7.5°	2553.7	2075.8	1619.0	1233.1	935.6	621.0	421.2	262.7	154.5	94.5	45.9
5°	2627.6	2158.6	1695.4	1283.9	983.7	654.3	449.8	282.4	165.9	102.4	49.3
2.5°	2675.6	2219.7	1752.1	1323.7	1022.9	682.3	475.0	300.1	176.3	109.5	52.6
0°	2703.9	2263.3	1794.9	1354.3	1052.8	705.0	496.3	315.4	185.5	115.9	55.7
-2.5°	2729.2	2291.9	1832.3	1407.6	1073.3	742.2	509.9	329.2	200.1	120.5	61.4
-5°	2737.5	2304.5	1856.7	1448.7	1085.7	772.4	519.5	340.5	213.0	124.2	66.5
-7.5°	2723.4	2296.9	1865.3	1472.1	1091.5	793.6	525.0	349.3	223.5	127.1	71.1
-10°	2692.1	2272.0	1854.0	1465.0	1099.4	800.3	528.2	355.8	231.0	129.3	74.8
-12.5°	2645.5	2234.5	1829.6	1449.4	1098.0	796.0	537.0	360.9	235.0	130.8	77.6
-15°	2584.6	2185.4	1792.4	1426.5	1084.8	786.4	539.2	362.7	234.6	133.5	79.3
-17.5°	2512.9	2125.8	1742.4	1397.2	1059.1	772.0	534.3	360.5	232.2	137.5	81.0
-20°	2441.1	2059.6	1683.2	1362.6	1020.4	753.3	521.9	353.9	228.0	140.1	82.6

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

Scaled Data Report



REPORT NUMBER: P627260 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-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°	2356.9	1983.6	1632.0	1314.3	978.4	730.7	501.6	342.6	221.9	141.2	83.4
-25°	2260.1	1894.9	1570.5	1248.0	945.3	705.2	480.6	326.6	214.0	140.8	83.1
-27.5°	2150.8	1800.1	1498.0	1175.3	910.9	669.6	460.7	314.8	207.3	138.8	81.8
-30°	2028.8	1710.9	1411.3	1105.5	868.9	631.0	434.6	301.7	204.3	136.2	79.6
-32.5°	1897.3	1610.3	1318.2	1052.2	821.1	591.0	411.6	286.8	199.2	132.9	79.7
-35°	1773.9	1501.0	1223.2	990.7	770.4	567.4	396.3	270.3	192.0	128.3	80.1
-37.5°	1641.8	1386.4	1147.9	926.6	717.1	540.2	383.8	262.9	182.7	122.4	79.8
-40°	1514.7	1277.6	1060.7	865.6	677.6	509.5	364.2	254.6	173.7	115.1	78.8
-42.5°	1386.2	1175.4	977.4	799.1	640.4	479.9	339.1	242.0	166.6	111.0	77.0
-45°	1267.7	1069.8	888.8	741.1	599.0	441.9	319.8	226.2	157.7	108.0	75.3
-47.5°	1143.3	962.3	807.8	677.7	544.9	400.7	295.3	213.6	147.0	104.2	74.2
-50°	1014.9	860.5	732.0	608.0	478.6	366.3	269.1	198.7	143.2	101.1	72.4
-52.5°	902.5	771.0	654.5	536.2	428.6	326.0	249.1	182.8	138.2	98.5	69.9
-55°	805.7	686.0	578.1	477.4	380.9	296.4	226.6	175.1	132.0	95.3	66.7
-57.5°	720.1	607.1	515.4	425.0	341.1	267.9	210.8	166.1	125.4	90.8	63.9
-60°	636.9	544.2	458.5	377.9	304.0	243.3	198.4	155.7	117.5	85.1	60.7
-62.5°	560.0	478.4	403.8	331.0	270.8	223.3	184.3	143.6	108.2	78.0	56.6
-65°	479.4	409.9	346.8	289.6	240.6	199.9	165.9	129.8	96.0	69.5	51.2
-67.5°	395.6	344.6	295.4	247.7	207.7	173.4	144.8	111.5	81.8	59.6	45.0
-70°	329.5	284.5	242.8	205.4	172.8	144.8	118.4	90.1	65.9	51.1	38.3
-72.5°	262.3	225.6	191.5	161.7	138.4	114.7	90.6	69.0	54.7	42.1	31.3
-75°	194.1	169.3	147.1	126.4	105.4	84.7	69.1	54.9	43.1	32.8	26.4
-77.5°	140.8	122.9	106.5	93.5	79.1	65.3	52.2	40.2	32.6	27.2	22.2
-80°	95.7	86.3	77.3	68.1	56.5	45.5	37.6	31.0	26.3	21.9	17.9
-82.5°	60.3	55.3	50.8	46.2	39.4	33.3	28.0	23.4	19.9	16.6	14.5
-85°	35.8	33.1	30.5	27.9	24.1	20.8	19.3	17.8	16.3	14.7	13.2
-87.5°	20.2	19.9	19.6	19.2	18.3	17.4	16.6	15.9	14.5	13.2	11.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	3.4

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Scaled Data Report



REPORT NUMBER: P627260 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.3	8.1	7.0	5.8	4.6	4.6	4.6
87.5°	3.4	3.9	4.2	4.5	4.6	4.6	4.6
85°	2.2	3.1	3.8	4.3	4.6	4.6	4.6
82.5°	1.1	2.4	3.4	4.2	4.6	4.6	4.6
80°	0.2	1.7	3.1	4.0	4.6	4.6	4.6
77.5°	1.4	1.5	2.7	3.9	4.6	4.6	4.6
75°	2.6	2.3	2.5	3.8	4.6	4.6	4.6
72.5°	3.7	3.0	2.9	3.7	4.6	4.6	4.6
70°	4.6	3.7	3.3	3.7	4.6	4.6	4.6
67.5°	4.7	4.3	3.7	3.8	4.6	4.6	4.6
65°	4.9	4.8	4.0	4.0	4.6	4.6	4.6
62.5°	5.2	5.1	4.3	4.1	4.6	4.6	4.6
60°	5.5	5.5	4.6	4.3	4.6	4.6	4.6
57.5°	6.6	6.0	5.0	4.4	4.7	4.6	4.6
55°	7.8	6.5	5.5	4.4	4.7	4.6	4.6
52.5°	8.9	7.1	6.0	4.5	4.8	4.6	4.6
50°	10.1	8.0	6.5	4.6	4.9	4.6	4.6
47.5°	11.2	9.0	7.1	4.7	5.0	4.6	4.6
45°	12.3	9.9	7.6	5.1	5.2	4.6	4.6
42.5°	13.3	10.8	8.2	5.6	5.3	4.6	4.6
40°	14.4	11.6	8.9	6.1	5.5	4.6	4.6
37.5°	15.4	12.5	9.5	6.8	5.7	4.6	4.6
35°	16.4	13.3	10.2	7.4	5.9	4.6	4.6
32.5°	17.4	14.0	10.8	8.0	6.1	4.6	4.6
30°	18.8	14.8	11.4	8.5	6.3	4.6	4.6
27.5°	20.2	15.5	12.1	9.1	6.6	4.6	4.6
25°	21.6	16.2	12.8	9.7	6.8	4.6	4.6
22.5°	22.9	16.9	13.6	10.2	7.1	4.6	4.6
20°	24.2	17.8	14.2	10.7	7.3	4.6	4.6
17.5°	25.6	18.6	14.9	11.2	7.6	4.6	4.6
15°	26.8	19.4	15.5	11.6	7.8	4.6	4.6
12.5°	28.0	20.1	16.1	12.1	8.1	4.6	4.6
10°	29.1	20.8	16.7	12.5	8.4	4.6	4.6
7.5°	30.1	21.5	17.2	12.9	8.6	4.6	4.6
5°	31.0	22.1	17.7	13.2	8.9	4.6	4.6
2.5°	31.8	22.7	18.2	13.6	9.1	4.6	4.6
0°	32.5	23.2	18.6	13.9	9.3	4.6	4.6
-2.5°	34.3	23.7	19.0	13.9	9.3	4.6	4.6
-5°	35.9	24.1	19.3	13.8	9.3	4.6	4.6
-7.5°	37.4	24.5	19.6	13.8	9.2	4.6	4.6
-10°	38.6	24.9	19.8	13.7	9.2	4.6	4.6
-12.5°	39.5	25.2	20.0	13.6	9.1	4.6	4.6
-15°	40.0	25.4	20.0	13.4	9.0	4.6	4.6
-17.5°	40.2	25.6	20.0	13.3	8.9	4.6	4.6
-20°	41.3	25.8	19.9	13.1	8.7	4.6	4.6

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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627260 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	43.9	25.9	19.6	12.8	8.6	4.6	4.6
-25°	46.1	27.6	19.3	12.6	8.4	4.6	4.6
-27.5°	47.8	29.8	18.8	12.3	8.2	4.6	4.6
-30°	48.9	31.6	18.3	12.0	8.0	4.6	4.6
-32.5°	49.5	33.2	19.0	11.7	7.8	4.6	4.6
-35°	50.9	34.4	19.5	11.4	7.6	4.6	4.6
-37.5°	52.3	35.1	19.8	11.0	7.4	4.6	4.6
-40°	53.1	35.4	20.0	10.7	7.1	4.6	4.6
-42.5°	53.4	35.4	20.1	10.4	6.8	4.6	4.6
-45°	53.1	35.1	20.2	10.5	6.5	4.6	4.6
-47.5°	52.3	34.6	20.1	10.4	6.2	4.6	4.6
-50°	51.2	33.8	19.7	10.3	5.9	4.6	4.6
-52.5°	49.8	32.8	19.1	10.1	5.6	4.6	4.6
-55°	48.0	31.4	18.3	9.8	5.3	4.6	4.6
-57.5°	45.9	29.7	17.3	9.5	4.9	4.6	4.6
-60°	43.3	27.7	16.1	9.0	4.6	4.6	4.6
-62.5°	39.8	25.3	15.2	8.5	4.6	4.6	4.6
-65°	35.9	22.7	14.2	8.0	4.6	4.6	4.6
-67.5°	31.6	20.4	13.1	7.3	4.6	4.6	4.6
-70°	26.9	18.5	11.9	6.7	4.6	4.6	4.6
-72.5°	23.7	16.5	10.6	6.5	4.6	4.6	4.6
-75°	20.7	14.4	9.2	6.5	4.6	4.6	4.6
-77.5°	17.4	12.1	8.7	6.4	4.6	4.6	4.6
-80°	14.1	10.9	8.4	6.3	4.6	4.6	4.6
-82.5°	12.8	10.3	8.1	6.2	4.6	4.6	4.6
-85°	11.6	9.6	7.7	6.1	4.6	4.6	4.6
-87.5°	10.5	8.9	7.3	5.9	4.6	4.6	4.6
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6

(END OF REPORT)