

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: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-722-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627430 (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-SA4D-722-U-VWR-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

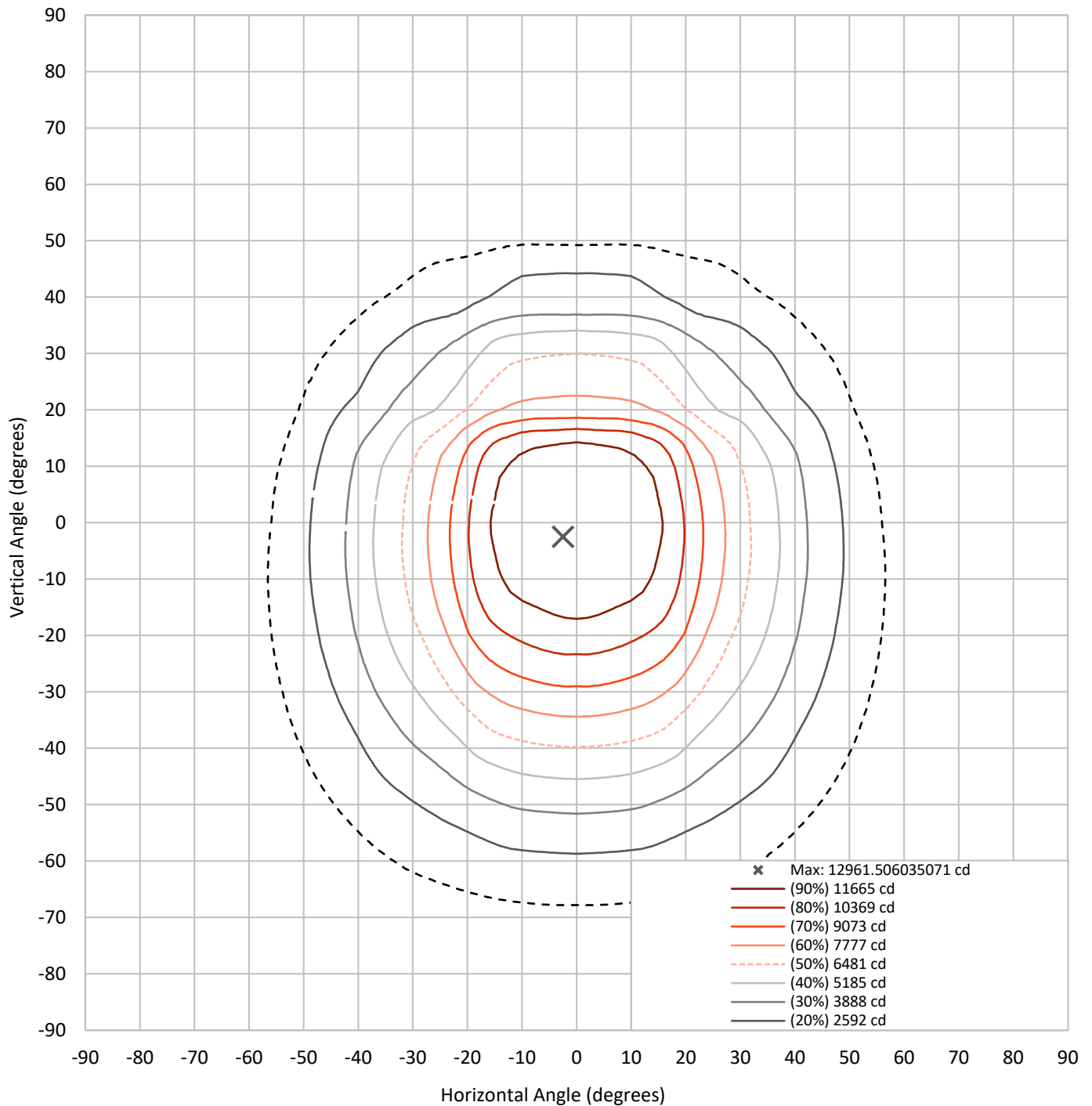
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	17297.6 lumens	Max Intensity:	12961.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	78.1 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' 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:	10007.8 lumens	Field Lumens:	16414.3 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	221.4		
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: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-722-U-VWR-VSR-XX

Iso-Candela Plot





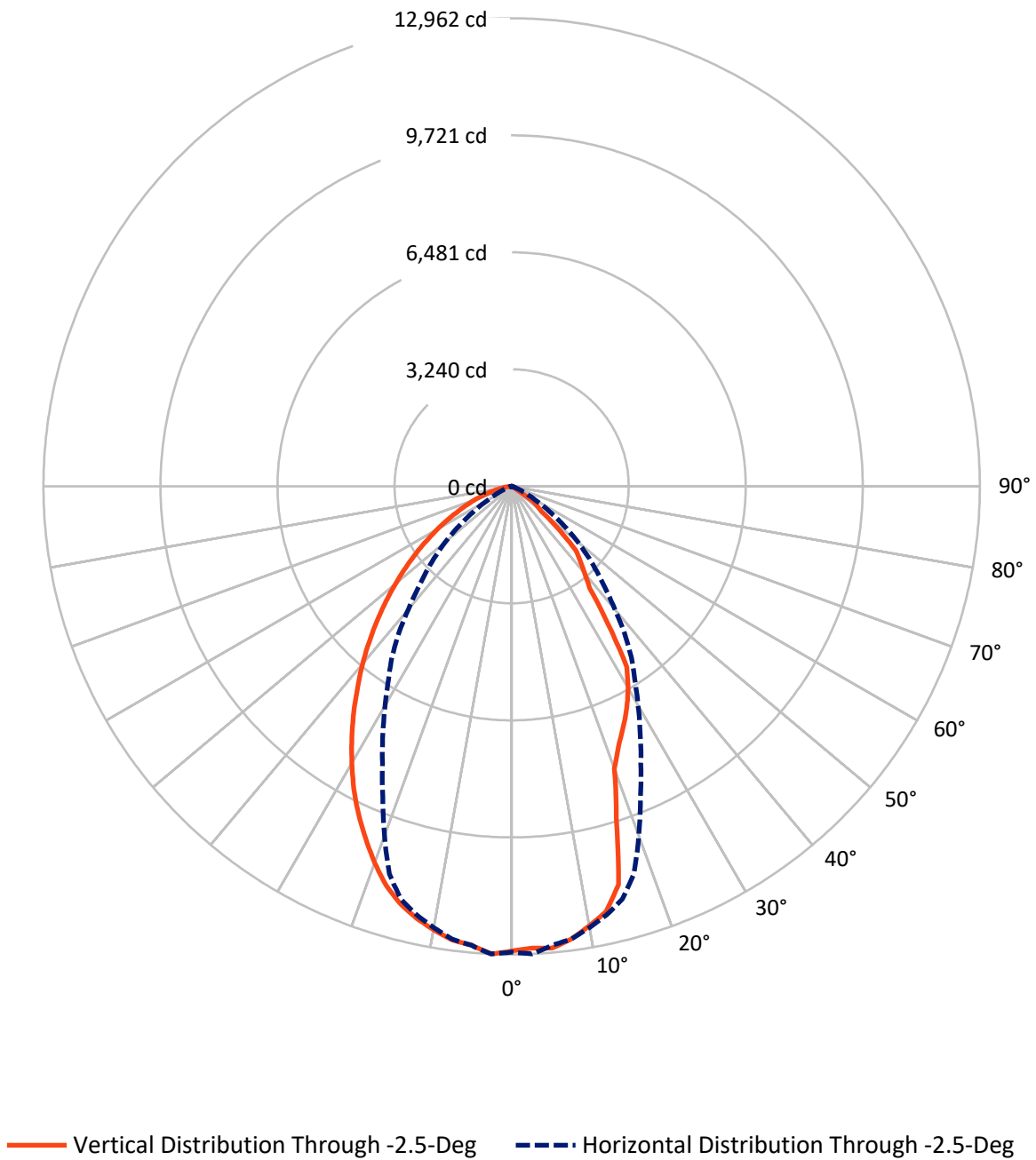
REPORT NUMBER: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-722-U-VWR-VSR-XX

Lumen Table

90																			
80	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	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	0.1	
50		0.2	0.3	1.6	4.7	9.1	13.5	16.8	16.8	13.5	9.1	4.7	1.6	0.3	0.2				
40	0.3	0.3	1.9	8.9	21.5	38.6	57.0	69.8	69.8	57.0	38.6	21.5	8.9	1.9	0.3	0.3	0.3	0.3	
30		0.8	6.4	22.5	50.1	81.3	121.9	142.5	142.5	121.9	81.3	50.1	22.5	6.4	0.8				
20	0.5	1.9	12.5	39.8	80.8	128.1	192.1	220.8	220.8	192.1	128.1	80.8	39.8	12.5	1.9	0.5	0.5	0.5	
10		3.3	19.1	58.9	116.4	191.5	285.1	327.0	327.0	285.1	191.5	116.4	58.9	19.1	3.3				
0	0.9	4.5	24.8	70.0	139.2	228.9	336.7	382.1	382.1	336.7	228.9	139.2	70.0	24.8	4.5	0.9	0.9	0.9	
-10		5.3	27.3	72.7	142.9	234.1	339.2	383.5	383.5	339.2	234.1	142.9	72.7	27.3	5.3				
-20	1.1	5.6	26.7	68.8	134.7	219.2	314.8	355.7	355.7	314.8	219.2	134.7	68.8	26.7	5.6	1.1	1.1	1.1	
-30		5.1	23.4	60.0	116.4	186.3	263.9	298.9	298.9	263.9	186.3	116.4	60.0	23.4	5.1				
-40	1.1	4.2	18.6	47.2	91.6	143.7	201.5	228.2	228.2	201.5	143.7	91.6	47.2	18.6	4.2	1.1	1.1	1.1	
-50		3.4	13.8	33.6	65.6	101.1	139.5	158.3	158.3	139.5	101.1	65.6	33.6	13.8	3.4				
-60	0.8	2.5	9.0	21.6	40.8	62.7	85.3	97.2	97.2	85.3	62.7	40.8	21.6	9.0	2.5	0.8	0.8	0.8	
-70		1.8	5.5	12.6	22.4	33.3	44.1	49.9	49.9	44.1	33.3	22.4	12.6	5.5	1.8				
-80	0.3	4.0	18.6	40.7	45.4	40.7	18.6	4.0	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

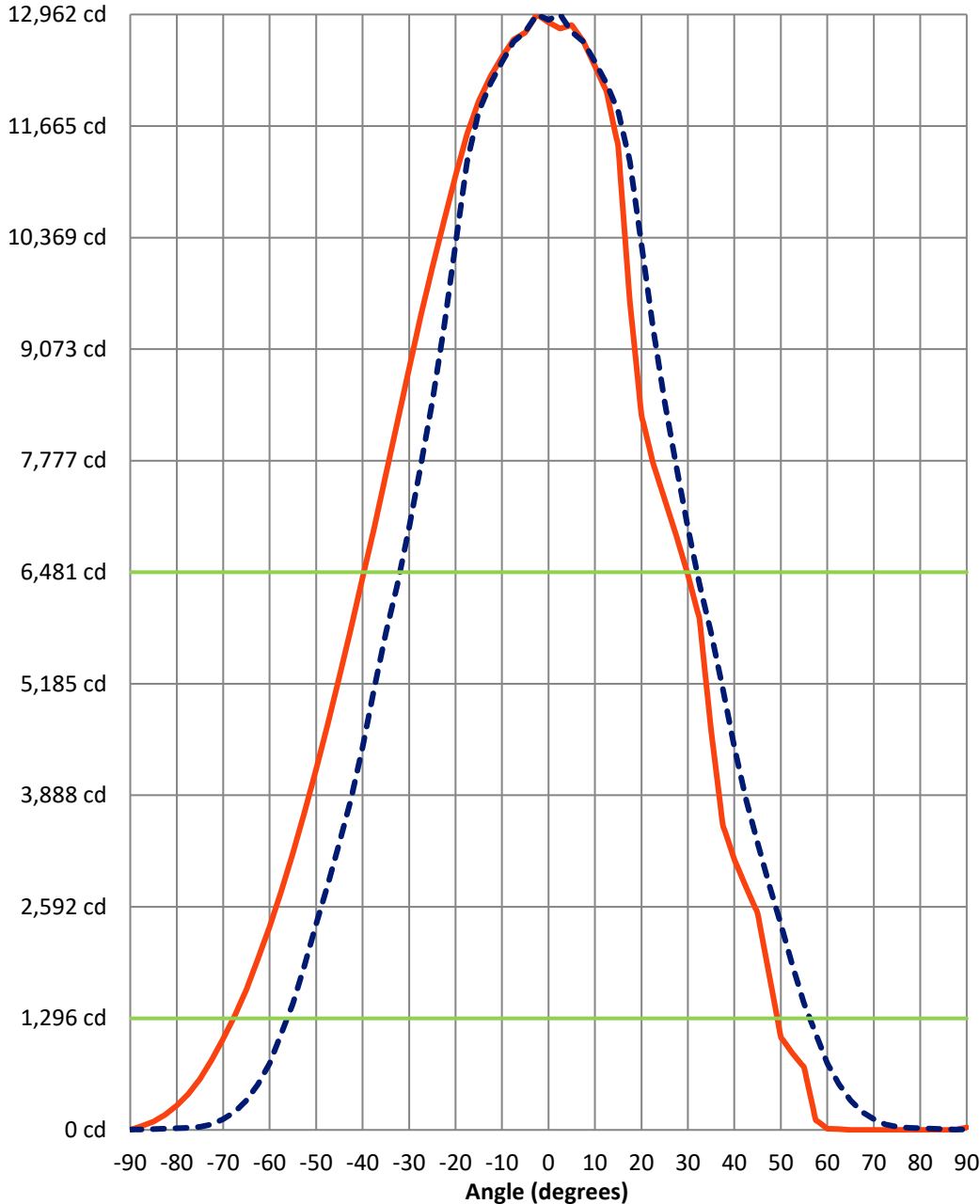
REPORT NUMBER: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-722-U-VWR-VSR-XX

Luminous Intensity Polar Plot



REPORT NUMBER: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-722-U-VWR-VSR-XX

Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 10007.8
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 16414.3
 Efficiency: 94.9%

Spill:
 Lumens: 883.3
 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: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-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°	4.8	4.8	4.8	6.0	7.3	8.5	9.7	10.9	12.1	13.3	14.5
87.5°	4.8	4.8	4.8	4.6	4.4	4.0	3.6	2.5	1.6	0.7	0.0
85°	4.8	4.8	4.8	4.5	4.0	3.3	2.3	1.4	0.8	0.3	0.0
82.5°	4.8	4.8	4.8	4.3	3.6	2.5	1.1	0.4	0.1	0.7	1.3
80°	4.8	4.8	4.8	4.2	3.2	1.8	0.2	0.9	1.7	2.5	3.3
77.5°	4.8	4.8	4.8	4.1	2.8	1.6	1.5	2.4	3.4	4.3	4.3
75°	4.8	4.8	4.8	4.0	2.6	2.4	2.7	3.8	4.7	3.9	2.5
72.5°	4.8	4.8	4.8	3.9	3.0	3.1	3.8	4.7	4.1	2.8	0.8
70°	4.8	4.8	4.8	3.8	3.4	3.8	4.8	4.5	3.5	1.8	2.2
67.5°	4.8	4.8	4.8	4.0	3.8	4.5	4.9	4.4	3.1	3.7	4.3
65°	4.8	4.8	4.8	4.2	4.2	5.0	5.1	4.4	4.8	5.6	5.9
62.5°	4.8	4.8	4.8	4.3	4.5	5.4	5.4	5.4	6.5	7.3	6.6
60°	4.8	4.8	4.8	4.4	4.8	5.8	5.7	6.9	8.2	8.4	7.5
57.5°	4.8	4.8	4.9	4.5	5.3	6.3	6.9	8.4	9.6	9.7	9.4
55°	4.8	4.8	4.9	4.6	5.8	6.8	8.1	9.8	11.0	11.2	11.8
52.5°	4.8	4.8	5.0	4.7	6.3	7.4	9.3	11.2	12.6	13.3	14.1
50°	4.8	4.8	5.1	4.8	6.8	8.4	10.5	12.6	14.3	15.4	16.3
47.5°	4.8	4.8	5.2	4.9	7.4	9.4	11.7	13.9	16.2	17.4	18.6
45°	4.8	4.8	5.4	5.4	8.0	10.3	12.8	15.3	17.9	19.5	20.8
42.5°	4.8	4.8	5.6	5.8	8.6	11.2	13.9	16.7	19.7	21.5	25.3
40°	4.8	4.8	5.7	6.4	9.3	12.1	15.0	18.4	21.6	23.5	30.2
37.5°	4.8	4.8	5.9	7.1	10.0	13.0	16.0	20.1	23.6	26.6	35.2
35°	4.8	4.8	6.1	7.7	10.6	13.8	17.1	21.8	25.7	32.7	44.7
32.5°	4.8	4.8	6.4	8.3	11.3	14.7	18.2	23.7	27.9	39.9	63.9
30°	4.8	4.8	6.6	8.9	11.9	15.4	19.6	25.5	30.2	48.0	82.4
27.5°	4.8	4.8	6.8	9.5	12.6	16.2	21.1	27.4	34.2	57.1	100.4
25°	4.8	4.8	7.1	10.1	13.4	16.9	22.5	29.3	41.2	70.3	118.1
22.5°	4.8	4.8	7.4	10.6	14.1	17.7	23.9	31.2	48.6	84.9	141.4
20°	4.8	4.8	7.6	11.1	14.8	18.5	25.3	33.1	56.3	98.7	164.5
17.5°	4.8	4.8	7.9	11.6	15.5	19.4	26.7	34.9	64.1	111.7	187.2
15°	4.8	4.8	8.2	12.1	16.2	20.2	28.0	37.4	71.9	123.9	209.3
12.5°	4.8	4.8	8.5	12.6	16.8	21.0	29.2	40.7	80.6	135.2	230.5
10°	4.8	4.8	8.7	13.0	17.4	21.7	30.4	44.3	89.8	148.4	251.7
7.5°	4.8	4.8	9.0	13.4	17.9	22.4	31.4	47.9	98.6	161.2	274.0
5°	4.8	4.8	9.2	13.8	18.5	23.0	32.4	51.5	106.9	173.0	294.6
2.5°	4.8	4.8	9.5	14.2	18.9	23.6	33.2	54.9	114.4	183.9	313.0
0°	4.8	4.8	9.7	14.5	19.4	24.2	33.9	58.1	121.0	193.5	329.0
-2.5°	4.8	4.8	9.7	14.5	19.4	24.2	33.9	58.1	121.0	193.5	329.0
-5°	4.8	4.8	9.7	14.4	20.2	25.2	37.5	69.4	129.7	222.2	355.2
-7.5°	4.8	4.8	9.6	14.4	20.5	25.6	39.0	74.1	132.7	233.1	364.5
-10°	4.8	4.8	9.6	14.3	20.7	25.9	40.2	78.0	134.9	241.1	371.3
-12.5°	4.8	4.8	9.5	14.2	20.8	26.3	41.2	80.9	136.4	245.2	376.5
-15°	4.8	4.8	9.4	14.0	20.9	26.5	41.8	82.7	139.3	244.8	378.5
-17.5°	4.8	4.8	9.2	13.8	20.9	26.7	42.0	84.5	143.4	242.3	376.1
-20°	4.8	4.8	9.1	13.6	20.7	26.9	43.0	86.2	146.2	237.8	369.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-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°	4.8	4.8	9.0	13.4	20.5	27.0	45.8	87.0	147.3	231.5	357.4
-25°	4.8	4.8	8.8	13.1	20.1	28.8	48.1	86.7	146.9	223.3	340.7
-27.5°	4.8	4.8	8.6	12.9	19.6	31.0	49.8	85.4	144.8	216.3	328.5
-30°	4.8	4.8	8.4	12.6	19.1	33.0	51.0	83.0	142.1	213.1	314.7
-32.5°	4.8	4.8	8.2	12.2	19.8	34.6	51.7	83.1	138.6	207.8	299.2
-35°	4.8	4.8	7.9	11.9	20.3	35.9	53.1	83.6	133.8	200.3	282.0
-37.5°	4.8	4.8	7.7	11.5	20.7	36.6	54.5	83.3	127.6	190.6	274.3
-40°	4.8	4.8	7.4	11.1	20.8	36.9	55.4	82.2	120.1	181.2	265.7
-42.5°	4.8	4.8	7.1	10.9	21.0	36.9	55.7	80.3	115.8	173.7	252.5
-45°	4.8	4.8	6.8	11.0	21.1	36.7	55.4	78.6	112.7	164.5	235.9
-47.5°	4.8	4.8	6.5	10.9	20.9	36.1	54.6	77.4	108.7	153.4	222.9
-50°	4.8	4.8	6.2	10.7	20.5	35.3	53.4	75.5	105.5	149.4	207.3
-52.5°	4.8	4.8	5.9	10.5	19.9	34.2	51.9	72.9	102.8	144.2	190.7
-55°	4.8	4.8	5.5	10.2	19.1	32.8	50.1	69.6	99.4	137.6	182.7
-57.5°	4.8	4.8	5.2	9.9	18.0	31.0	47.8	66.7	94.7	130.8	173.3
-60°	4.8	4.8	4.8	9.4	16.7	28.9	45.2	63.4	88.8	122.6	162.5
-62.5°	4.8	4.8	4.8	8.9	15.8	26.4	41.5	59.0	81.4	113.0	149.8
-65°	4.8	4.8	4.8	8.3	14.8	23.7	37.4	53.5	72.5	100.2	135.5
-67.5°	4.8	4.8	4.8	7.7	13.6	21.3	32.9	46.9	62.2	85.3	116.4
-70°	4.8	4.8	4.8	7.0	12.4	19.3	28.0	40.0	53.3	68.8	94.1
-72.5°	4.8	4.8	4.8	6.8	11.0	17.2	24.7	32.7	43.9	57.0	72.0
-75°	4.8	4.8	4.8	6.7	9.6	15.0	21.6	27.6	34.2	44.9	57.2
-77.5°	4.8	4.8	4.8	6.7	9.1	12.7	18.2	23.2	28.4	34.0	42.0
-80°	4.8	4.8	4.8	6.6	8.8	11.4	14.7	18.7	22.9	27.4	32.3
-82.5°	4.8	4.8	4.8	6.5	8.4	10.7	13.3	15.2	17.3	20.7	24.4
-85°	4.8	4.8	4.8	6.3	8.1	10.0	12.1	13.8	15.4	17.0	18.6
-87.5°	4.8	4.8	4.8	6.2	7.7	9.2	10.9	12.3	13.7	15.2	16.6
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	3.6	2.4	1.2	0.0



REPORT NUMBER: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-722-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°	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	15.7	17.0	18.2
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	0.1	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°	3.2	2.6	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.7	1.4	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	1.4	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2.7	2.9	2.0	0.8	0.0	0.3	0.7	0.5	0.0	0.2	0.6
67.5°	4.5	3.3	2.2	1.4	1.8	2.4	2.3	2.4	2.6	2.8	2.4
65°	4.7	3.5	3.6	4.2	4.7	5.2	5.6	6.0	5.0	4.3	4.4
62.5°	5.0	5.4	6.3	7.0	7.8	8.4	8.5	7.5	5.7	7.1	8.2
60°	7.2	7.9	8.9	9.9	10.9	11.4	10.8	11.0	12.2	14.1	27.2
57.5°	9.7	10.4	11.5	13.1	14.4	14.6	15.1	16.4	38.4	62.6	69.2
55°	12.2	12.7	14.8	17.2	18.6	18.5	26.6	56.0	84.5	117.0	129.0
52.5°	14.7	15.8	19.2	22.1	24.0	37.3	67.2	107.2	149.2	186.6	234.8
50°	17.2	20.7	24.3	28.6	45.5	80.4	124.1	178.6	242.0	301.7	362.8
47.5°	21.5	25.9	31.4	45.0	89.8	138.1	198.6	286.3	364.5	436.7	520.6
45°	26.6	35.8	41.8	89.2	141.1	203.5	306.0	413.2	484.1	580.8	729.1
42.5°	31.9	49.5	79.9	134.7	198.0	298.6	425.7	517.0	611.4	768.2	924.1
40°	45.9	66.4	120.6	185.7	265.9	412.7	543.1	646.5	775.4	949.2	1112.0
37.5°	62.9	101.3	162.1	240.1	372.5	533.4	673.0	820.8	968.9	1132.8	1434.8
35°	81.7	133.8	214.6	319.9	479.2	667.2	833.7	998.8	1169.6	1492.1	1791.9
32.5°	106.3	163.6	269.6	412.7	594.5	800.9	994.2	1185.0	1458.9	1823.9	2124.7
30°	132.8	211.6	332.8	498.6	703.0	923.3	1155.7	1386.7	1749.2	2051.3	2377.8
27.5°	160.5	262.3	406.9	588.3	804.7	1038.8	1301.2	1630.7	1954.0	2252.4	2611.3
25°	188.9	315.1	474.7	674.1	904.7	1163.7	1465.4	1866.8	2119.7	2449.5	2823.8
22.5°	225.5	365.6	541.8	751.9	997.4	1292.0	1676.8	2079.8	2377.4	2654.9	3020.5
20°	267.7	422.4	614.9	849.3	1088.2	1417.4	1886.9	2310.8	2660.9	2978.6	3314.4
17.5°	307.2	475.6	693.0	948.8	1220.3	1578.0	2093.1	2562.3	2947.5	3301.5	3720.8
15°	343.7	524.7	769.5	1043.0	1350.2	1762.0	2278.0	2793.3	3233.2	3631.5	4108.0
12.5°	377.1	569.7	843.2	1131.1	1472.5	1920.6	2433.3	2936.2	3419.7	3938.8	4479.5
10°	407.1	610.1	912.9	1212.5	1585.8	2054.7	2561.6	3055.4	3543.2	4092.5	4693.3
7.5°	439.4	647.8	976.1	1286.4	1689.0	2165.6	2664.1	3151.0	3643.0	4215.4	4832.3
5°	469.3	682.5	1026.2	1339.3	1768.7	2252.0	2741.2	3223.6	3718.7	4307.0	4937.5
2.5°	495.5	711.7	1067.1	1380.9	1827.8	2315.7	2791.3	3284.2	3774.9	4381.5	5017.8
0°	517.7	735.4	1098.3	1412.8	1872.5	2361.2	2820.8	3324.0	3807.8	4432.0	5070.7
-2.5°	531.9	774.3	1119.7	1468.5	1911.5	2391.0	2847.2	3335.2	3843.2	4448.0	5130.0
-5°	541.9	805.7	1132.7	1511.4	1937.0	2404.1	2855.9	3326.6	3852.6	4443.9	5138.7
-7.5°	547.8	827.9	1138.7	1535.7	1946.0	2396.2	2841.2	3310.2	3837.2	4428.7	5100.3
-10°	551.1	834.9	1146.9	1528.4	1934.2	2370.3	2808.5	3271.7	3793.3	4379.3	5027.3
-12.5°	560.2	830.5	1145.5	1512.1	1908.7	2331.1	2759.9	3210.8	3720.2	4294.9	4926.4
-15°	562.5	820.5	1131.8	1488.2	1869.9	2279.9	2696.4	3127.4	3630.0	4212.6	4814.8
-17.5°	557.4	805.4	1105.0	1457.7	1817.8	2217.7	2621.5	3052.3	3545.4	4117.8	4697.6
-20°	544.5	785.9	1064.5	1421.6	1756.0	2148.7	2546.6	2973.4	3448.2	3986.1	4566.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-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°	523.3	762.3	1020.7	1371.2	1702.6	2069.4	2458.8	2866.0	3326.3	3815.5	4390.1
-25°	501.4	735.7	986.1	1302.0	1638.4	1976.8	2357.9	2734.7	3183.2	3663.6	4173.5
-27.5°	480.6	698.5	950.3	1226.2	1562.8	1878.0	2243.8	2611.3	3022.2	3493.0	3962.5
-30°	453.4	658.3	906.4	1153.3	1472.4	1784.8	2116.5	2478.2	2847.7	3294.5	3756.5
-32.5°	429.4	616.6	856.6	1097.7	1375.2	1680.0	1979.3	2324.1	2684.6	3065.5	3522.0
-35°	413.4	591.9	803.8	1033.5	1276.1	1565.9	1850.6	2150.1	2499.4	2856.8	3257.6
-37.5°	400.4	563.5	748.1	966.7	1197.5	1446.3	1712.8	1988.4	2293.1	2653.6	3030.4
-40°	380.0	531.5	706.9	903.0	1106.6	1332.8	1580.2	1829.7	2093.8	2446.0	2817.7
-42.5°	353.8	500.6	668.0	833.7	1019.7	1226.2	1446.1	1681.0	1934.8	2240.7	2582.5
-45°	333.7	461.0	624.8	773.2	927.2	1116.0	1322.5	1535.3	1774.7	2037.3	2344.3
-47.5°	308.1	418.0	568.3	707.0	842.7	1003.9	1192.7	1394.1	1606.2	1842.8	2094.4
-50°	280.7	382.1	499.2	634.2	763.6	897.7	1058.8	1245.0	1437.4	1643.7	1868.1
-52.5°	260.0	340.2	447.1	559.4	682.7	804.4	941.5	1101.2	1273.0	1445.3	1642.8
-55°	236.5	309.3	397.4	498.1	603.1	715.6	840.5	980.4	1120.5	1278.8	1436.3
-57.5°	219.9	279.5	355.9	443.4	537.7	633.4	751.3	869.5	999.2	1130.2	1260.9
-60°	207.0	253.9	317.2	394.3	478.3	567.7	664.5	773.7	885.4	992.3	1105.3
-62.5°	192.2	233.0	282.5	345.3	421.3	499.1	584.3	677.9	778.9	869.0	956.5
-65°	173.1	208.5	251.0	302.2	361.8	427.6	500.2	579.1	666.4	739.4	811.0
-67.5°	151.2	181.0	216.6	258.4	308.1	359.4	412.7	479.4	550.3	609.9	668.2
-70°	123.5	151.1	180.3	214.3	253.3	296.8	343.7	392.1	440.6	489.3	542.6
-72.5°	94.5	119.6	144.4	168.7	199.7	235.4	273.6	314.2	356.6	398.2	438.7
-75°	72.1	88.3	109.9	131.8	153.4	176.7	202.5	234.8	274.2	314.6	351.6
-77.5°	54.4	68.1	82.5	97.5	111.1	128.3	146.9	167.0	199.5	236.8	274.5
-80°	39.3	47.5	58.9	71.0	80.6	90.0	99.9	110.0	134.2	164.2	196.3
-82.5°	29.2	34.8	41.1	48.2	53.0	57.7	62.9	69.6	87.5	107.8	129.2
-85°	20.1	21.7	25.2	29.1	31.8	34.5	37.3	40.2	49.8	60.7	72.3
-87.5°	17.3	18.1	19.1	20.1	20.4	20.7	21.1	21.4	24.6	28.0	31.5
-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: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	19.4	20.6	21.8	23.0	24.2	25.4	26.6	27.8	29.0	29.0	29.0
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°	2.2	2.4	2.5	2.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
65°	5.1	4.8	3.6	2.3	1.1	1.8	2.9	3.5	3.5	3.1	2.4
62.5°	7.6	7.0	6.4	7.4	8.8	10.2	9.8	9.2	8.6	8.2	8.5
60°	28.6	19.1	22.1	27.7	25.9	17.7	29.1	33.0	28.1	19.2	18.6
57.5°	72.6	70.0	80.2	117.1	128.9	117.4	140.3	170.4	169.5	146.0	145.2
55°	154.5	207.3	271.0	281.4	325.7	414.6	483.8	453.5	453.3	476.1	549.6
52.5°	293.5	343.3	361.9	411.4	504.1	571.4	614.6	659.3	708.4	758.5	809.2
50°	430.8	479.1	534.0	584.7	713.0	782.1	770.6	863.3	981.9	1056.0	1094.1
47.5°	631.8	708.0	824.1	1006.0	1101.8	1171.0	1257.1	1362.1	1498.0	1682.3	1824.4
45°	868.5	988.4	1168.1	1361.3	1509.9	1577.6	1676.1	1838.7	2055.4	2266.4	2420.5
42.5°	1062.0	1226.5	1429.1	1613.7	1735.0	1846.2	1973.7	2110.9	2359.1	2584.5	2762.6
40°	1314.6	1442.7	1670.0	1844.0	1952.5	2062.8	2264.9	2470.2	2703.6	2913.6	3059.5
37.5°	1634.6	1778.8	2015.2	2212.0	2316.5	2355.5	2699.3	2985.0	3174.7	3442.8	3530.5
35°	1978.4	2215.8	2517.0	2772.2	2874.7	3079.1	3433.3	3832.0	4263.9	4422.7	4558.2
32.5°	2362.0	2654.9	3063.6	3337.5	3483.7	3794.0	4242.3	4667.7	5232.5	5539.0	5630.7
30°	2713.0	3049.0	3400.3	3666.5	3916.5	4290.2	4698.9	5223.6	5745.8	6137.8	6259.5
27.5°	2970.5	3342.3	3680.1	3929.3	4211.4	4614.3	5124.0	5655.3	6167.9	6567.7	6709.8
25°	3216.3	3636.5	3904.0	4193.8	4525.0	4964.2	5528.9	6119.2	6624.2	6962.1	7136.4
22.5°	3495.9	3910.3	4197.4	4442.9	4875.9	5381.9	5906.2	6573.2	7108.2	7377.8	7566.7
20°	3784.5	4253.3	4696.8	4925.2	5299.8	5940.5	6527.4	7157.2	7673.8	7954.8	8153.7
17.5°	4187.2	4784.6	5328.6	5651.9	6053.1	6819.2	7551.5	8188.6	8907.2	9161.0	9404.2
15°	4611.8	5303.3	5940.4	6452.7	6971.0	7730.0	8672.8	9441.5	10261.5	10627.7	11041.7
12.5°	5035.1	5689.4	6266.6	6927.5	7657.9	8329.4	9226.9	10184.2	10928.3	11395.3	11674.0
10°	5351.4	5959.1	6514.6	7177.1	7906.1	8665.7	9557.6	10538.8	11317.8	11716.3	11943.7
7.5°	5522.3	6103.9	6689.8	7361.1	8086.9	8895.8	9814.7	10788.3	11584.7	11970.9	12195.4
5°	5649.1	6207.7	6814.4	7521.1	8254.9	9075.1	9992.8	10954.8	11681.0	12091.3	12375.3
2.5°	5725.8	6273.5	6893.8	7624.5	8360.1	9214.4	10176.3	11173.5	11808.9	12139.0	12400.2
0°	5748.1	6299.6	6938.3	7678.6	8433.4	9294.6	10247.8	11234.8	11878.4	12197.7	12463.8
-2.5°	5773.1	6341.1	6997.2	7713.7	8462.1	9320.9	10293.8	11255.6	11834.5	12156.8	12409.9
-5°	5755.7	6344.3	6998.4	7684.7	8438.0	9290.0	10224.0	11123.3	11728.8	12077.2	12328.9
-7.5°	5703.6	6300.5	6948.0	7607.5	8346.4	9208.1	10138.2	11004.2	11617.6	11984.9	12260.3
-10°	5627.8	6207.3	6859.2	7527.2	8257.3	9077.5	9993.3	10854.0	11441.2	11831.2	12152.2
-12.5°	5543.8	6111.3	6739.7	7380.4	8102.4	8912.5	9799.8	10614.6	11198.3	11623.8	11853.1
-15°	5419.3	5986.5	6587.2	7207.0	7910.8	8696.6	9544.2	10326.0	10899.1	11245.3	11498.8
-17.5°	5261.0	5817.5	6387.0	6974.8	7637.9	8411.8	9264.6	10035.6	10502.8	10812.0	11061.1
-20°	5091.5	5606.0	6145.6	6700.3	7343.0	8109.6	8947.1	9619.6	10060.0	10357.0	10592.3



REPORT NUMBER: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-722-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°	4897.8	5393.3	5887.2	6417.5	7047.7	7750.5	8490.3	9140.1	9613.6	9884.2	10101.6
-25°	4676.7	5158.8	5627.8	6139.9	6719.0	7350.8	8038.7	8677.3	9101.3	9388.8	9604.4
-27.5°	4438.6	4891.5	5349.6	5809.5	6330.2	6959.7	7596.7	8190.0	8551.9	8841.7	9058.5
-30°	4200.9	4608.3	5032.2	5467.5	5956.2	6523.8	7119.6	7618.5	8000.2	8281.7	8483.1
-32.5°	3943.3	4330.0	4705.5	5112.3	5572.5	6072.7	6595.6	7070.2	7478.1	7735.9	7905.5
-35°	3679.6	4053.8	4397.5	4766.8	5172.7	5604.3	6087.0	6555.1	6957.9	7161.9	7327.2
-37.5°	3404.8	3778.0	4103.8	4412.3	4762.0	5161.8	5631.9	6078.4	6426.4	6601.8	6750.8
-40°	3165.8	3494.4	3787.7	4082.9	4367.1	4722.1	5160.9	5593.3	5872.5	6043.3	6181.8
-42.5°	2933.9	3211.0	3451.2	3715.8	4000.3	4350.3	4704.3	5066.9	5291.3	5481.0	5626.8
-45°	2663.8	2911.4	3136.7	3356.8	3616.2	3935.8	4257.4	4547.8	4757.9	4941.2	5083.3
-47.5°	2365.0	2604.1	2822.8	3019.6	3260.8	3527.3	3798.0	4039.7	4247.2	4428.4	4555.1
-50°	2086.5	2300.2	2513.7	2712.9	2921.8	3137.4	3357.1	3569.2	3766.2	3942.2	4050.1
-52.5°	1837.1	2034.2	2220.9	2395.0	2577.8	2760.0	2941.8	3136.1	3317.4	3484.0	3570.2
-55°	1611.3	1789.1	1957.6	2104.3	2251.0	2395.4	2551.4	2730.7	2897.6	3051.9	3113.7
-57.5°	1408.7	1560.9	1709.9	1834.0	1953.8	2068.7	2205.6	2356.9	2503.0	2635.3	2685.9
-60°	1222.4	1343.1	1467.7	1577.8	1682.2	1780.8	1900.1	2022.0	2140.5	2240.2	2283.3
-62.5°	1051.0	1154.2	1248.7	1338.1	1426.5	1515.3	1611.6	1708.3	1804.0	1880.8	1919.7
-65°	885.7	967.9	1043.8	1117.4	1188.8	1263.3	1338.7	1412.2	1483.0	1537.9	1571.6
-67.5°	730.6	793.0	853.3	910.6	970.4	1030.8	1089.8	1146.0	1199.2	1241.7	1273.9
-70°	593.1	641.4	688.6	736.0	785.9	832.9	877.3	919.4	959.0	989.6	1014.4
-72.5°	478.1	517.3	558.0	600.8	641.1	676.2	708.1	738.9	768.4	785.6	798.5
-75°	385.4	418.4	453.9	488.4	522.1	548.8	572.2	594.9	616.8	617.9	613.5
-77.5°	311.4	340.9	368.3	395.5	422.3	438.8	453.1	467.9	482.8	474.2	460.5
-80°	228.5	253.1	276.4	299.8	323.2	332.9	339.7	345.5	350.5	339.2	325.2
-82.5°	151.6	167.1	182.3	197.7	213.3	219.5	224.2	228.0	231.0	220.8	209.1
-85°	84.6	92.1	99.4	106.7	114.1	118.5	122.5	126.2	129.5	123.4	116.5
-87.5°	35.2	36.9	38.5	40.1	41.7	43.2	44.8	46.3	47.7	47.9	48.1
-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: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-722-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°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	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°	0.0	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	2.4	3.1	3.5	3.5
62.5°	8.9	9.3	9.6	9.7	9.6	9.3	8.9	8.5	8.2	8.6	9.2
60°	17.1	15.0	14.4	14.5	14.4	15.0	17.1	18.6	19.2	28.1	33.0
57.5°	134.1	114.8	117.7	130.6	117.7	114.8	134.1	145.2	146.0	169.5	170.4
55°	626.8	699.8	725.5	711.3	725.5	699.8	626.8	549.6	476.1	453.3	453.5
52.5°	849.3	879.1	890.7	890.3	890.7	879.1	849.3	809.2	758.5	708.4	659.3
50°	1105.6	1095.5	1079.9	1064.5	1079.9	1095.5	1105.6	1094.1	1056.0	981.9	863.3
47.5°	1845.2	1813.2	1799.7	1824.1	1799.7	1813.2	1845.2	1824.4	1682.3	1498.0	1362.1
45°	2451.9	2489.4	2517.4	2516.0	2517.4	2489.4	2451.9	2420.5	2266.4	2055.4	1838.7
42.5°	2797.5	2817.4	2823.2	2816.0	2823.2	2817.4	2797.5	2762.6	2584.5	2359.1	2110.9
40°	3105.4	3129.2	3142.6	3154.7	3142.6	3129.2	3105.4	3059.5	2913.6	2703.6	2470.2
37.5°	3559.4	3568.1	3549.0	3536.9	3549.0	3568.1	3559.4	3530.5	3442.8	3174.7	2985.0
35°	4672.4	4695.2	4642.3	4698.1	4642.3	4695.2	4672.4	4558.2	4422.7	4263.9	3832.0
32.5°	5739.8	5846.6	5933.0	6004.5	5933.0	5846.6	5739.8	5630.7	5539.0	5232.5	4667.7
30°	6344.4	6413.4	6450.4	6459.3	6450.4	6413.4	6344.4	6259.5	6137.8	5745.8	5223.6
27.5°	6788.4	6860.6	6905.6	6938.3	6905.6	6860.6	6788.4	6709.8	6567.7	6167.9	5655.3
25°	7216.2	7282.3	7327.2	7344.7	7327.2	7282.3	7216.2	7136.4	6962.1	6624.2	6119.2
22.5°	7660.2	7706.1	7749.3	7770.5	7749.3	7706.1	7660.2	7566.7	7377.8	7108.2	6573.2
20°	8296.7	8271.7	8311.1	8297.9	8311.1	8271.7	8296.7	8153.7	7954.8	7673.8	7157.2
17.5°	9593.8	9607.3	9633.6	9676.9	9633.6	9607.3	9593.8	9404.2	9161.0	8907.2	8188.6
15°	11225.1	11257.9	11424.7	11573.5	11424.7	11257.9	11225.1	11041.7	10627.7	10261.5	9441.5
12.5°	11932.6	12046.2	12063.8	12105.8	12063.8	12046.2	11932.6	11674.0	11395.3	10928.3	10184.2
10°	12168.7	12365.5	12361.2	12410.6	12361.2	12365.5	12168.7	11943.7	11716.3	11317.8	10538.8
7.5°	12347.9	12559.1	12648.4	12686.4	12648.4	12559.1	12347.9	12195.4	11970.9	11584.7	10788.3
5°	12566.6	12682.8	12836.9	12792.8	12836.9	12682.8	12566.6	12375.3	12091.3	11681.0	10954.8
2.5°	12658.3	12840.3	12798.3	12841.2	12798.3	12840.3	12658.3	12400.2	12139.0	11808.9	11173.5
0°	12720.2	12850.9	12870.2	12913.8	12870.2	12850.9	12720.2	12463.8	12197.7	11878.4	11234.8
-2.5°	12645.2	12760.2	12961.5	12899.3	12961.5	12760.2	12645.2	12409.9	12156.8	11834.5	11255.6
-5°	12579.4	12862.4	12752.5	12889.6	12752.5	12862.4	12579.4	12328.9	12077.2	11728.8	11123.3
-7.5°	12545.5	12596.1	12669.0	12773.5	12669.0	12596.1	12545.5	12260.3	11984.9	11617.6	11004.2
-10°	12282.8	12334.6	12468.6	12541.2	12468.6	12334.6	12282.8	12152.2	11831.2	11441.2	10854.0
-12.5°	11998.1	12098.2	12239.0	12284.8	12239.0	12098.2	11998.1	11853.1	11623.8	11198.3	10614.6
-15°	11669.9	11818.8	11956.0	11984.8	11956.0	11818.8	11669.9	11498.8	11245.3	10899.1	10326.0
-17.5°	11252.7	11431.3	11575.4	11607.4	11575.4	11431.3	11252.7	11061.1	10812.0	10502.8	10035.6
-20°	10793.0	10964.0	11086.6	11123.6	11086.6	10964.0	10793.0	10592.3	10357.0	10060.0	9619.6



REPORT NUMBER: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-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°	10300.9	10454.8	10558.4	10543.0	10558.4	10454.8	10300.9	10101.6	9884.2	9613.6	9140.1
-25°	9778.3	9921.2	10019.9	10005.9	10019.9	9921.2	9778.3	9604.4	9388.8	9101.3	8677.3
-27.5°	9225.9	9361.2	9456.1	9459.1	9456.1	9361.2	9225.9	9058.5	8841.7	8551.9	8190.0
-30°	8645.4	8768.3	8845.4	8815.6	8845.4	8768.3	8645.4	8483.1	8281.7	8000.2	7618.5
-32.5°	8046.7	8157.9	8228.5	8249.5	8228.5	8157.9	8046.7	7905.5	7735.9	7478.1	7070.2
-35°	7456.1	7554.2	7615.2	7630.2	7615.2	7554.2	7456.1	7327.2	7161.9	6957.9	6555.1
-37.5°	6869.4	6953.7	6996.3	6977.0	6996.3	6953.7	6869.4	6750.8	6601.8	6426.4	6078.4
-40°	6289.6	6369.8	6418.7	6430.3	6418.7	6369.8	6289.6	6181.8	6043.3	5872.5	5593.3
-42.5°	5719.5	5786.2	5829.1	5849.7	5829.1	5786.2	5719.5	5626.8	5481.0	5291.3	5066.9
-45°	5166.2	5225.9	5266.1	5288.4	5266.1	5225.9	5166.2	5083.3	4941.2	4757.9	4547.8
-47.5°	4627.9	4680.2	4714.9	4732.0	4714.9	4680.2	4627.9	4555.1	4428.4	4247.2	4039.7
-50°	4113.2	4158.5	4190.8	4209.4	4190.8	4158.5	4113.2	4050.1	3942.2	3766.2	3569.2
-52.5°	3625.0	3664.6	3692.2	3706.2	3692.2	3664.6	3625.0	3570.2	3484.0	3317.4	3136.1
-55°	3158.9	3191.0	3216.5	3232.1	3216.5	3191.0	3158.9	3113.7	3051.9	2897.6	2730.7
-57.5°	2724.2	2750.4	2774.6	2791.8	2774.6	2750.4	2724.2	2685.9	2635.3	2503.0	2356.9
-60°	2317.3	2342.1	2362.6	2375.7	2362.6	2342.1	2317.3	2283.3	2240.2	2140.5	2022.0
-62.5°	1950.1	1972.0	1990.8	2003.1	1990.8	1972.0	1950.1	1919.7	1880.8	1804.0	1708.3
-65°	1598.1	1617.8	1631.8	1640.2	1631.8	1617.8	1598.1	1571.6	1537.9	1483.0	1412.2
-67.5°	1301.4	1324.0	1328.5	1325.7	1328.5	1324.0	1301.4	1273.9	1241.7	1199.2	1146.0
-70°	1036.6	1055.8	1060.2	1059.6	1060.2	1055.8	1036.6	1014.4	989.6	959.0	919.4
-72.5°	810.5	821.0	812.0	798.3	812.0	821.0	810.5	798.5	785.6	768.4	738.9
-75°	608.2	601.5	592.1	580.6	592.1	601.5	608.2	613.5	617.9	616.8	594.9
-77.5°	445.4	428.9	418.1	406.4	418.1	428.9	445.4	460.5	474.2	482.8	467.9
-80°	310.1	293.9	282.8	271.0	282.8	293.9	310.1	325.2	339.2	350.5	345.5
-82.5°	196.5	183.2	176.4	169.3	176.4	183.2	196.5	209.1	220.8	231.0	228.0
-85°	109.1	101.3	96.7	91.9	96.7	101.3	109.1	116.5	123.4	129.5	126.2
-87.5°	48.2	48.3	45.9	43.5	45.9	48.3	48.2	48.1	47.9	47.7	46.3
-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: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-722-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	26.6	25.4	24.2	23.0	21.8	20.6	19.4	18.2	17.0	15.7	14.5
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°	0.0	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	0.9	2.0	2.5	2.4	2.2	2.4	2.8	2.6	2.4
65°	2.9	1.8	1.1	2.3	3.6	4.8	5.1	4.4	4.3	5.0	6.0
62.5°	9.8	10.2	8.8	7.4	6.4	7.0	7.6	8.2	7.1	5.7	7.5
60°	29.1	17.7	25.9	27.7	22.1	19.1	28.6	27.2	14.1	12.2	11.0
57.5°	140.3	117.4	128.9	117.1	80.2	70.0	72.6	69.2	62.6	38.4	16.4
55°	483.8	414.6	325.7	281.4	271.0	207.3	154.5	129.0	117.0	84.5	56.0
52.5°	614.6	571.4	504.1	411.4	361.9	343.3	293.5	234.8	186.6	149.2	107.2
50°	770.6	782.1	713.0	584.7	534.0	479.1	430.8	362.8	301.7	242.0	178.6
47.5°	1257.1	1171.0	1101.8	1006.0	824.1	708.0	631.8	520.6	436.7	364.5	286.3
45°	1676.1	1577.6	1509.9	1361.3	1168.1	988.4	868.5	729.1	580.8	484.1	413.2
42.5°	1973.7	1846.2	1735.0	1613.7	1429.1	1226.5	1062.0	924.1	768.2	611.4	517.0
40°	2264.9	2062.8	1952.5	1844.0	1670.0	1442.7	1314.6	1112.0	949.2	775.4	646.5
37.5°	2699.3	2355.5	2316.5	2212.0	2015.2	1778.8	1634.6	1434.8	1132.8	968.9	820.8
35°	3433.3	3079.1	2874.7	2772.2	2517.0	2215.8	1978.4	1791.9	1492.1	1169.6	998.8
32.5°	4242.3	3794.0	3483.7	3337.5	3063.6	2654.9	2362.0	2124.7	1823.9	1458.9	1185.0
30°	4698.9	4290.2	3916.5	3666.5	3400.3	3049.0	2713.0	2377.8	2051.3	1749.2	1386.7
27.5°	5124.0	4614.3	4211.4	3929.3	3680.1	3342.3	2970.5	2611.3	2252.4	1954.0	1630.7
25°	5528.9	4964.2	4525.0	4193.8	3904.0	3636.5	3216.3	2823.8	2449.5	2119.7	1866.8
22.5°	5906.2	5381.9	4875.9	4442.9	4197.4	3910.3	3495.9	3020.5	2654.9	2377.4	2079.8
20°	6527.4	5940.5	5299.8	4925.2	4696.8	4253.3	3784.5	3314.4	2978.6	2660.9	2310.8
17.5°	7551.5	6819.2	6053.1	5651.9	5328.6	4784.6	4187.2	3720.8	3301.5	2947.5	2562.3
15°	8672.8	7730.0	6971.0	6452.7	5940.4	5303.3	4611.8	4108.0	3631.5	3233.2	2793.3
12.5°	9226.9	8329.4	7657.9	6927.5	6266.6	5689.4	5035.1	4479.5	3938.8	3419.7	2936.2
10°	9557.6	8665.7	7906.1	7177.1	6514.6	5959.1	5351.4	4693.3	4092.5	3543.2	3055.4
7.5°	9814.7	8895.8	8086.9	7361.1	6689.8	6103.9	5522.3	4832.3	4215.4	3643.0	3151.0
5°	9992.8	9075.1	8254.9	7521.1	6814.4	6207.7	5649.1	4937.5	4307.0	3718.7	3223.6
2.5°	10176.3	9214.4	8360.1	7624.5	6893.8	6273.5	5725.8	5017.8	4381.5	3774.9	3284.2
0°	10247.8	9294.6	8433.4	7678.6	6938.3	6299.6	5748.1	5070.7	4432.0	3807.8	3324.0
-2.5°	10293.8	9320.9	8462.1	7713.7	6997.2	6341.1	5773.1	5130.0	4448.0	3843.2	3335.2
-5°	10224.0	9290.0	8438.0	7684.7	6998.4	6344.3	5755.7	5138.7	4443.9	3852.6	3326.6
-7.5°	10138.2	9208.1	8346.4	7607.5	6948.0	6300.5	5703.6	5100.3	4428.7	3837.2	3310.2
-10°	9993.3	9077.5	8257.3	7527.2	6859.2	6207.3	5627.8	5027.3	4379.3	3793.3	3271.7
-12.5°	9799.8	8912.5	8102.4	7380.4	6739.7	6111.3	5543.8	4926.4	4294.9	3720.2	3210.8
-15°	9544.2	8696.6	7910.8	7207.0	6587.2	5986.5	5419.3	4814.8	4212.6	3630.0	3127.4
-17.5°	9264.6	8411.8	7637.9	6974.8	6387.0	5817.5	5261.0	4697.6	4117.8	3545.4	3052.3
-20°	8947.1	8109.6	7343.0	6700.3	6145.6	5606.0	5091.5	4566.4	3986.1	3448.2	2973.4



REPORT NUMBER: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-722-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°	8490.3	7750.5	7047.7	6417.5	5887.2	5393.3	4897.8	4390.1	3815.5	3326.3	2866.0
-25°	8038.7	7350.8	6719.0	6139.9	5627.8	5158.8	4676.7	4173.5	3663.6	3183.2	2734.7
-27.5°	7596.7	6959.7	6330.2	5809.5	5349.6	4891.5	4438.6	3962.5	3493.0	3022.2	2611.3
-30°	7119.6	6523.8	5956.2	5467.5	5032.2	4608.3	4200.9	3756.5	3294.5	2847.7	2478.2
-32.5°	6595.6	6072.7	5572.5	5112.3	4705.5	4330.0	3943.3	3522.0	3065.5	2684.6	2324.1
-35°	6087.0	5604.3	5172.7	4766.8	4397.5	4053.8	3679.6	3257.6	2856.8	2499.4	2150.1
-37.5°	5631.9	5161.8	4762.0	4412.3	4103.8	3778.0	3404.8	3030.4	2653.6	2293.1	1988.4
-40°	5160.9	4722.1	4367.1	4082.9	3787.7	3494.4	3165.8	2817.7	2446.0	2093.8	1829.7
-42.5°	4704.3	4350.3	4000.3	3715.8	3451.2	3211.0	2933.9	2582.5	2240.7	1934.8	1681.0
-45°	4257.4	3935.8	3616.2	3356.8	3136.7	2911.4	2663.8	2344.3	2037.3	1774.7	1535.3
-47.5°	3798.0	3527.3	3260.8	3019.6	2822.8	2604.1	2365.0	2094.4	1842.8	1606.2	1394.1
-50°	3357.1	3137.4	2921.8	2712.9	2513.7	2300.2	2086.5	1868.1	1643.7	1437.4	1245.0
-52.5°	2941.8	2760.0	2577.8	2395.0	2220.9	2034.2	1837.1	1642.8	1445.3	1273.0	1101.2
-55°	2551.4	2395.4	2251.0	2104.3	1957.6	1789.1	1611.3	1436.3	1278.8	1120.5	980.4
-57.5°	2205.6	2068.7	1953.8	1834.0	1709.9	1560.9	1408.7	1260.9	1130.2	999.2	869.5
-60°	1900.1	1780.8	1682.2	1577.8	1467.7	1343.1	1222.4	1105.3	992.3	885.4	773.7
-62.5°	1611.6	1515.3	1426.5	1338.1	1248.7	1154.2	1051.0	956.5	869.0	778.9	677.9
-65°	1338.7	1263.3	1188.8	1117.4	1043.8	967.9	885.7	811.0	739.4	666.4	579.1
-67.5°	1089.8	1030.8	970.4	910.6	853.3	793.0	730.6	668.2	609.9	550.3	479.4
-70°	877.3	832.9	785.9	736.0	688.6	641.4	593.1	542.6	489.3	440.6	392.1
-72.5°	708.1	676.2	641.1	600.8	558.0	517.3	478.1	438.7	398.2	356.6	314.2
-75°	572.2	548.8	522.1	488.4	453.9	418.4	385.4	351.6	314.6	274.2	234.8
-77.5°	453.1	438.8	422.3	395.5	368.3	340.9	311.4	274.5	236.8	199.5	167.0
-80°	339.7	332.9	323.2	299.8	276.4	253.1	228.5	196.3	164.2	134.2	110.0
-82.5°	224.2	219.5	213.3	197.7	182.3	167.1	151.6	129.2	107.8	87.5	69.6
-85°	122.5	118.5	114.1	106.7	99.4	92.1	84.6	72.3	60.7	49.8	40.2
-87.5°	44.8	43.2	41.7	40.1	38.5	36.9	35.2	31.5	28.0	24.6	21.4
-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: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-722-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°	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	13.3	12.1	10.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.6	2.5
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.8	1.4
82.5°	0.0	0.0	0.0	0.1	0.8	1.2	1.4	1.3	0.7	0.1	0.4
80°	0.0	0.0	0.0	0.1	1.2	2.6	3.2	3.3	2.5	1.7	0.9
77.5°	0.0	0.0	0.0	0.0	0.5	1.4	2.7	4.3	4.3	3.4	2.4
75°	0.0	0.0	0.0	0.2	0.3	0.1	1.0	2.5	3.9	4.7	3.8
72.5°	0.0	0.0	0.0	0.6	1.3	1.4	0.8	0.8	2.8	4.1	4.7
70°	0.7	0.3	0.0	0.8	2.0	2.9	2.7	2.2	1.8	3.5	4.5
67.5°	2.3	2.4	1.8	1.4	2.2	3.3	4.5	4.3	3.7	3.1	4.4
65°	5.6	5.2	4.7	4.2	3.6	3.5	4.7	5.9	5.6	4.8	4.4
62.5°	8.5	8.4	7.8	7.0	6.3	5.4	5.0	6.6	7.3	6.5	5.4
60°	10.8	11.4	10.9	9.9	8.9	7.9	7.2	7.5	8.4	8.2	6.9
57.5°	15.1	14.6	14.4	13.1	11.5	10.4	9.7	9.4	9.7	9.6	8.4
55°	26.6	18.5	18.6	17.2	14.8	12.7	12.2	11.8	11.2	11.0	9.8
52.5°	67.2	37.3	24.0	22.1	19.2	15.8	14.7	14.1	13.3	12.6	11.2
50°	124.1	80.4	45.5	28.6	24.3	20.7	17.2	16.3	15.4	14.3	12.6
47.5°	198.6	138.1	89.8	45.0	31.4	25.9	21.5	18.6	17.4	16.2	13.9
45°	306.0	203.5	141.1	89.2	41.8	35.8	26.6	20.8	19.5	17.9	15.3
42.5°	425.7	298.6	198.0	134.7	79.9	49.5	31.9	25.3	21.5	19.7	16.7
40°	543.1	412.7	265.9	185.7	120.6	66.4	45.9	30.2	23.5	21.6	18.4
37.5°	673.0	533.4	372.5	240.1	162.1	101.3	62.9	35.2	26.6	23.6	20.1
35°	833.7	667.2	479.2	319.9	214.6	133.8	81.7	44.7	32.7	25.7	21.8
32.5°	994.2	800.9	594.5	412.7	269.6	163.6	106.3	63.9	39.9	27.9	23.7
30°	1155.7	923.3	703.0	498.6	332.8	211.6	132.8	82.4	48.0	30.2	25.5
27.5°	1301.2	1038.8	804.7	588.3	406.9	262.3	160.5	100.4	57.1	34.2	27.4
25°	1465.4	1163.7	904.7	674.1	474.7	315.1	188.9	118.1	70.3	41.2	29.3
22.5°	1676.8	1292.0	997.4	751.9	541.8	365.6	225.5	141.4	84.9	48.6	31.2
20°	1886.9	1417.4	1088.2	849.3	614.9	422.4	267.7	164.5	98.7	56.3	33.1
17.5°	2093.1	1578.0	1220.3	948.8	693.0	475.6	307.2	187.2	111.7	64.1	34.9
15°	2278.0	1762.0	1350.2	1043.0	769.5	524.7	343.7	209.3	123.9	71.9	37.4
12.5°	2433.3	1920.6	1472.5	1131.1	843.2	569.7	377.1	230.5	135.2	80.6	40.7
10°	2561.6	2054.7	1585.8	1212.5	912.9	610.1	407.1	251.7	148.4	89.8	44.3
7.5°	2664.1	2165.6	1689.0	1286.4	976.1	647.8	439.4	274.0	161.2	98.6	47.9
5°	2741.2	2252.0	1768.7	1339.3	1026.2	682.5	469.3	294.6	173.0	106.9	51.5
2.5°	2791.3	2315.7	1827.8	1380.9	1067.1	711.7	495.5	313.0	183.9	114.4	54.9
0°	2820.8	2361.2	1872.5	1412.8	1098.3	735.4	517.7	329.0	193.5	121.0	58.1
-2.5°	2847.2	2391.0	1911.5	1468.5	1119.7	774.3	531.9	343.4	208.8	125.8	64.0
-5°	2855.9	2404.1	1937.0	1511.4	1132.7	805.7	541.9	355.2	222.2	129.7	69.4
-7.5°	2841.2	2396.2	1946.0	1535.7	1138.7	827.9	547.8	364.5	233.1	132.7	74.1
-10°	2808.5	2370.3	1934.2	1528.4	1146.9	834.9	551.1	371.3	241.1	134.9	78.0
-12.5°	2759.9	2331.1	1908.7	1512.1	1145.5	830.5	560.2	376.5	245.2	136.4	80.9
-15°	2696.4	2279.9	1869.9	1488.2	1131.8	820.5	562.5	378.5	244.8	139.3	82.7
-17.5°	2621.5	2217.7	1817.8	1457.7	1105.0	805.4	557.4	376.1	242.3	143.4	84.5
-20°	2546.6	2148.7	1756.0	1421.6	1064.5	785.9	544.5	369.2	237.8	146.2	86.2



REPORT NUMBER: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-722-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°	2458.8	2069.4	1702.6	1371.2	1020.7	762.3	523.3	357.4	231.5	147.3	87.0
-25°	2357.9	1976.8	1638.4	1302.0	986.1	735.7	501.4	340.7	223.3	146.9	86.7
-27.5°	2243.8	1878.0	1562.8	1226.2	950.3	698.5	480.6	328.5	216.3	144.8	85.4
-30°	2116.5	1784.8	1472.4	1153.3	906.4	658.3	453.4	314.7	213.1	142.1	83.0
-32.5°	1979.3	1680.0	1375.2	1097.7	856.6	616.6	429.4	299.2	207.8	138.6	83.1
-35°	1850.6	1565.9	1276.1	1033.5	803.8	591.9	413.4	282.0	200.3	133.8	83.6
-37.5°	1712.8	1446.3	1197.5	966.7	748.1	563.5	400.4	274.3	190.6	127.6	83.3
-40°	1580.2	1332.8	1106.6	903.0	706.9	531.5	380.0	265.7	181.2	120.1	82.2
-42.5°	1446.1	1226.2	1019.7	833.7	668.0	500.6	353.8	252.5	173.7	115.8	80.3
-45°	1322.5	1116.0	927.2	773.2	624.8	461.0	333.7	235.9	164.5	112.7	78.6
-47.5°	1192.7	1003.9	842.7	707.0	568.3	418.0	308.1	222.9	153.4	108.7	77.4
-50°	1058.8	897.7	763.6	634.2	499.2	382.1	280.7	207.3	149.4	105.5	75.5
-52.5°	941.5	804.4	682.7	559.4	447.1	340.2	260.0	190.7	144.2	102.8	72.9
-55°	840.5	715.6	603.1	498.1	397.4	309.3	236.5	182.7	137.6	99.4	69.6
-57.5°	751.3	633.4	537.7	443.4	355.9	279.5	219.9	173.3	130.8	94.7	66.7
-60°	664.5	567.7	478.3	394.3	317.2	253.9	207.0	162.5	122.6	88.8	63.4
-62.5°	584.3	499.1	421.3	345.3	282.5	233.0	192.2	149.8	113.0	81.4	59.0
-65°	500.2	427.6	361.8	302.2	251.0	208.5	173.1	135.5	100.2	72.5	53.5
-67.5°	412.7	359.4	308.1	258.4	216.6	181.0	151.2	116.4	85.3	62.2	46.9
-70°	343.7	296.8	253.3	214.3	180.3	151.1	123.5	94.1	68.8	53.3	40.0
-72.5°	273.6	235.4	199.7	168.7	144.4	119.6	94.5	72.0	57.0	43.9	32.7
-75°	202.5	176.7	153.4	131.8	109.9	88.3	72.1	57.2	44.9	34.2	27.6
-77.5°	146.9	128.3	111.1	97.5	82.5	68.1	54.4	42.0	34.0	28.4	23.2
-80°	99.9	90.0	80.6	71.0	58.9	47.5	39.3	32.3	27.4	22.9	18.7
-82.5°	62.9	57.7	53.0	48.2	41.1	34.8	29.2	24.4	20.7	17.3	15.2
-85°	37.3	34.5	31.8	29.1	25.2	21.7	20.1	18.6	17.0	15.4	13.8
-87.5°	21.1	20.7	20.4	20.1	19.1	18.1	17.3	16.6	15.2	13.7	12.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6

Classified

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

Scaled Data Report



REPORT NUMBER: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.7	8.5	7.3	6.0	4.8	4.8	4.8
87.5°	3.6	4.0	4.4	4.6	4.8	4.8	4.8
85°	2.3	3.3	4.0	4.5	4.8	4.8	4.8
82.5°	1.1	2.5	3.6	4.3	4.8	4.8	4.8
80°	0.2	1.8	3.2	4.2	4.8	4.8	4.8
77.5°	1.5	1.6	2.8	4.1	4.8	4.8	4.8
75°	2.7	2.4	2.6	4.0	4.8	4.8	4.8
72.5°	3.8	3.1	3.0	3.9	4.8	4.8	4.8
70°	4.8	3.8	3.4	3.8	4.8	4.8	4.8
67.5°	4.9	4.5	3.8	4.0	4.8	4.8	4.8
65°	5.1	5.0	4.2	4.2	4.8	4.8	4.8
62.5°	5.4	5.4	4.5	4.3	4.8	4.8	4.8
60°	5.7	5.8	4.8	4.4	4.8	4.8	4.8
57.5°	6.9	6.3	5.3	4.5	4.9	4.8	4.8
55°	8.1	6.8	5.8	4.6	4.9	4.8	4.8
52.5°	9.3	7.4	6.3	4.7	5.0	4.8	4.8
50°	10.5	8.4	6.8	4.8	5.1	4.8	4.8
47.5°	11.7	9.4	7.4	4.9	5.2	4.8	4.8
45°	12.8	10.3	8.0	5.4	5.4	4.8	4.8
42.5°	13.9	11.2	8.6	5.8	5.6	4.8	4.8
40°	15.0	12.1	9.3	6.4	5.7	4.8	4.8
37.5°	16.0	13.0	10.0	7.1	5.9	4.8	4.8
35°	17.1	13.8	10.6	7.7	6.1	4.8	4.8
32.5°	18.2	14.7	11.3	8.3	6.4	4.8	4.8
30°	19.6	15.4	11.9	8.9	6.6	4.8	4.8
27.5°	21.1	16.2	12.6	9.5	6.8	4.8	4.8
25°	22.5	16.9	13.4	10.1	7.1	4.8	4.8
22.5°	23.9	17.7	14.1	10.6	7.4	4.8	4.8
20°	25.3	18.5	14.8	11.1	7.6	4.8	4.8
17.5°	26.7	19.4	15.5	11.6	7.9	4.8	4.8
15°	28.0	20.2	16.2	12.1	8.2	4.8	4.8
12.5°	29.2	21.0	16.8	12.6	8.5	4.8	4.8
10°	30.4	21.7	17.4	13.0	8.7	4.8	4.8
7.5°	31.4	22.4	17.9	13.4	9.0	4.8	4.8
5°	32.4	23.0	18.5	13.8	9.2	4.8	4.8
2.5°	33.2	23.6	18.9	14.2	9.5	4.8	4.8
0°	33.9	24.2	19.4	14.5	9.7	4.8	4.8
-2.5°	35.8	24.7	19.8	14.5	9.7	4.8	4.8
-5°	37.5	25.2	20.2	14.4	9.7	4.8	4.8
-7.5°	39.0	25.6	20.5	14.4	9.6	4.8	4.8
-10°	40.2	25.9	20.7	14.3	9.6	4.8	4.8
-12.5°	41.2	26.3	20.8	14.2	9.5	4.8	4.8
-15°	41.8	26.5	20.9	14.0	9.4	4.8	4.8
-17.5°	42.0	26.7	20.9	13.8	9.2	4.8	4.8
-20°	43.0	26.9	20.7	13.6	9.1	4.8	4.8

Classified

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

Scaled Data Report



REPORT NUMBER: P627430 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	45.8	27.0	20.5	13.4	9.0	4.8	4.8
-25°	48.1	28.8	20.1	13.1	8.8	4.8	4.8
-27.5°	49.8	31.0	19.6	12.9	8.6	4.8	4.8
-30°	51.0	33.0	19.1	12.6	8.4	4.8	4.8
-32.5°	51.7	34.6	19.8	12.2	8.2	4.8	4.8
-35°	53.1	35.9	20.3	11.9	7.9	4.8	4.8
-37.5°	54.5	36.6	20.7	11.5	7.7	4.8	4.8
-40°	55.4	36.9	20.8	11.1	7.4	4.8	4.8
-42.5°	55.7	36.9	21.0	10.9	7.1	4.8	4.8
-45°	55.4	36.7	21.1	11.0	6.8	4.8	4.8
-47.5°	54.6	36.1	20.9	10.9	6.5	4.8	4.8
-50°	53.4	35.3	20.5	10.7	6.2	4.8	4.8
-52.5°	51.9	34.2	19.9	10.5	5.9	4.8	4.8
-55°	50.1	32.8	19.1	10.2	5.5	4.8	4.8
-57.5°	47.8	31.0	18.0	9.9	5.2	4.8	4.8
-60°	45.2	28.9	16.7	9.4	4.8	4.8	4.8
-62.5°	41.5	26.4	15.8	8.9	4.8	4.8	4.8
-65°	37.4	23.7	14.8	8.3	4.8	4.8	4.8
-67.5°	32.9	21.3	13.6	7.7	4.8	4.8	4.8
-70°	28.0	19.3	12.4	7.0	4.8	4.8	4.8
-72.5°	24.7	17.2	11.0	6.8	4.8	4.8	4.8
-75°	21.6	15.0	9.6	6.7	4.8	4.8	4.8
-77.5°	18.2	12.7	9.1	6.7	4.8	4.8	4.8
-80°	14.7	11.4	8.8	6.6	4.8	4.8	4.8
-82.5°	13.3	10.7	8.4	6.5	4.8	4.8	4.8
-85°	12.1	10.0	8.1	6.3	4.8	4.8	4.8
-87.5°	10.9	9.2	7.7	6.2	4.8	4.8	4.8
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)