

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: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-730-U-WR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5D-730-U-WR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6 WITH VISOR
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	28172.3 lumens	Max Intensity:	31933.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	103.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

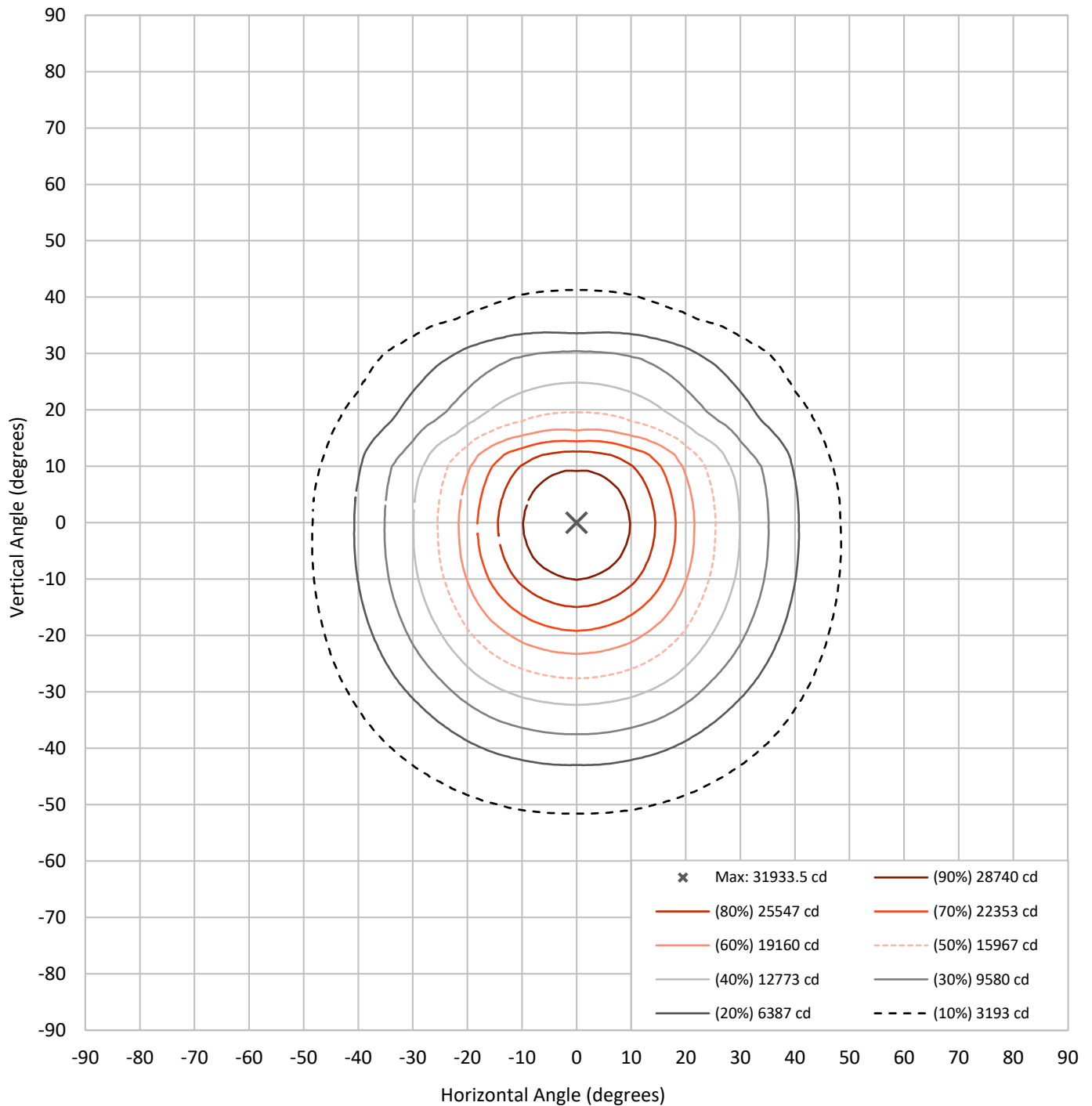
Beam Angle (50%):	50.9°H x 47.1°V	Field Angle (10%):	96.7°H x 92.9°V
Beam Lumens:	13563.6 lumens	Field Lumens:	25223.8 lumens
Beam Efficiency:	48.1%	Field Efficiency:	89.5%

Input Watts (W): 271.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-730-U-WR-VSR-XX

Iso-Candela Plot





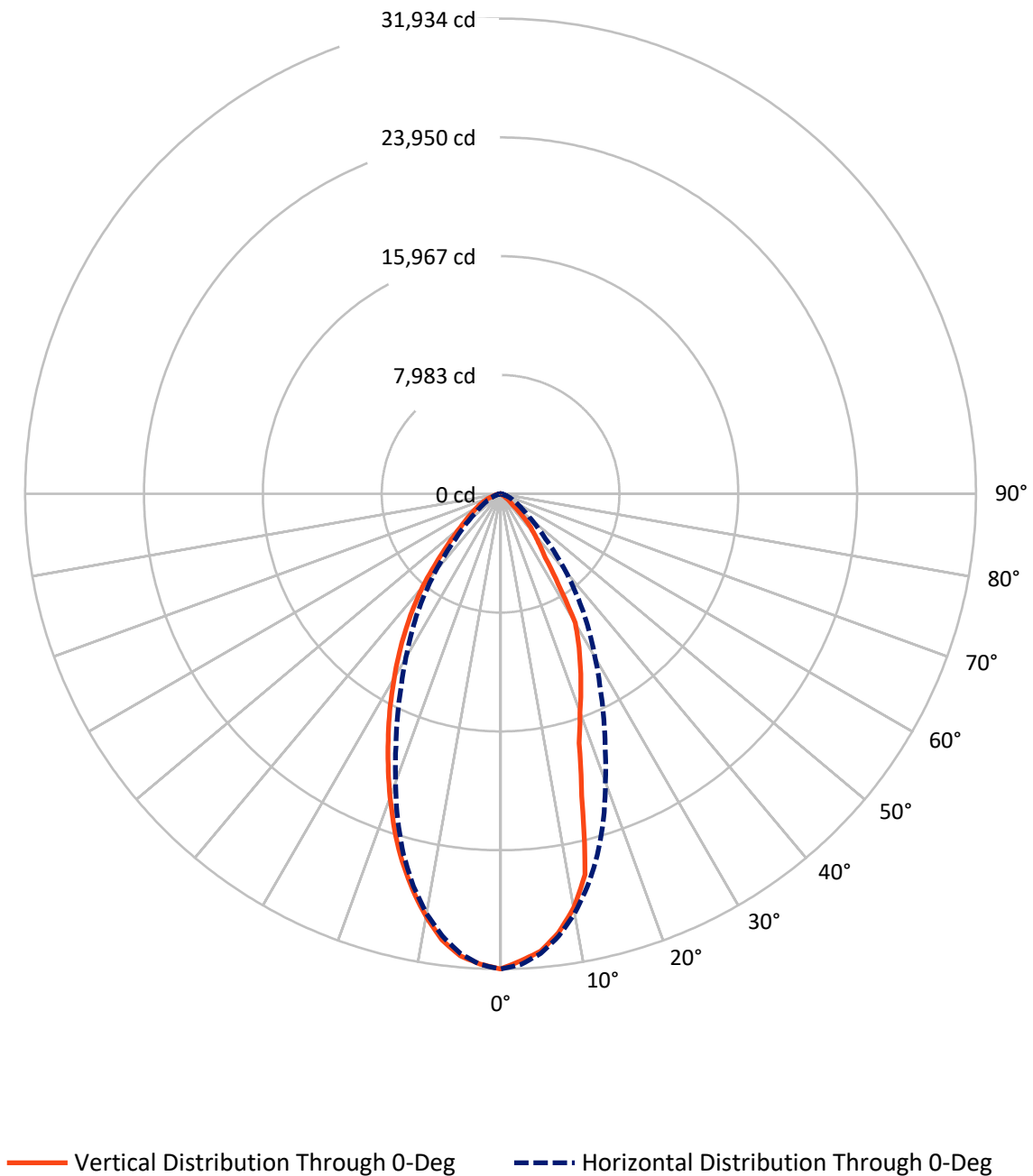
REPORT NUMBER: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-730-U-WR-VSR-XX

Lumen Table

90																			
80	0.0	0.1		0.2		0.0		0.0		0.0		0.2		0.1		0.0			
70																			
60	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1			
50		0.6	1.5	2.7	4.4	6.5	8.9	10.0	10.0	8.9	6.5	4.4	2.7	1.5	0.6				
40	1.2	2.2	5.5	11.4	21.0	34.4	49.6	60.9	60.9	49.6	34.4	21.0	11.4	5.5	2.2	1.2			
30		4.3	11.0	25.5	52.6	96.6	147.8	177.7	177.7	147.8	96.6	52.6	25.5	11.0	4.3				
20	3.1	6.7	17.9	46.3	109.4	205.5	312.7	376.9	376.9	312.7	205.5	109.4	46.3	17.9	6.7	3.1			
10		9.1	25.4	72.5	180.0	332.9	520.2	643.1	643.1	520.2	332.9	180.0	72.5	25.4	9.1				
0	4.4	10.6	31.9	93.8	236.4	440.6	707.5	897.0	897.0	707.5	440.6	236.4	93.8	31.9	10.6	4.4			
-10		11.1	33.3	96.8	239.8	447.0	714.6	902.6	902.6	714.6	447.0	239.8	96.8	33.3	11.1				
-20	4.7	10.9	31.5	86.2	212.5	392.5	605.0	746.6	746.6	605.0	392.5	212.5	86.2	31.5	10.9	4.7			
-30		10.1	27.3	67.5	158.5	295.9	441.0	528.8	528.8	441.0	295.9	158.5	67.5	27.3	10.1				
-40	4.0	8.8	22.1	48.8	99.8	183.6	277.0	329.7	329.7	277.0	183.6	99.8	48.8	22.1	8.8	4.0			
-50		7.3	17.1	33.7	60.0	96.1	137.8	164.1	164.1	137.8	96.1	60.0	33.7	17.1	7.3				
-60	2.5	5.7	12.4	22.5	36.6	52.7	68.1	77.1	77.1	68.1	52.7	36.6	22.5	12.4	5.7	2.5			
-70		4.0	8.3	13.8	21.3	29.0	35.4	38.7	38.7	35.4	29.0	21.3	13.8	8.3	4.0				
-80	0.7	8.0		20.7		37.0		33.7		37.0		20.7		8.0		0.7			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

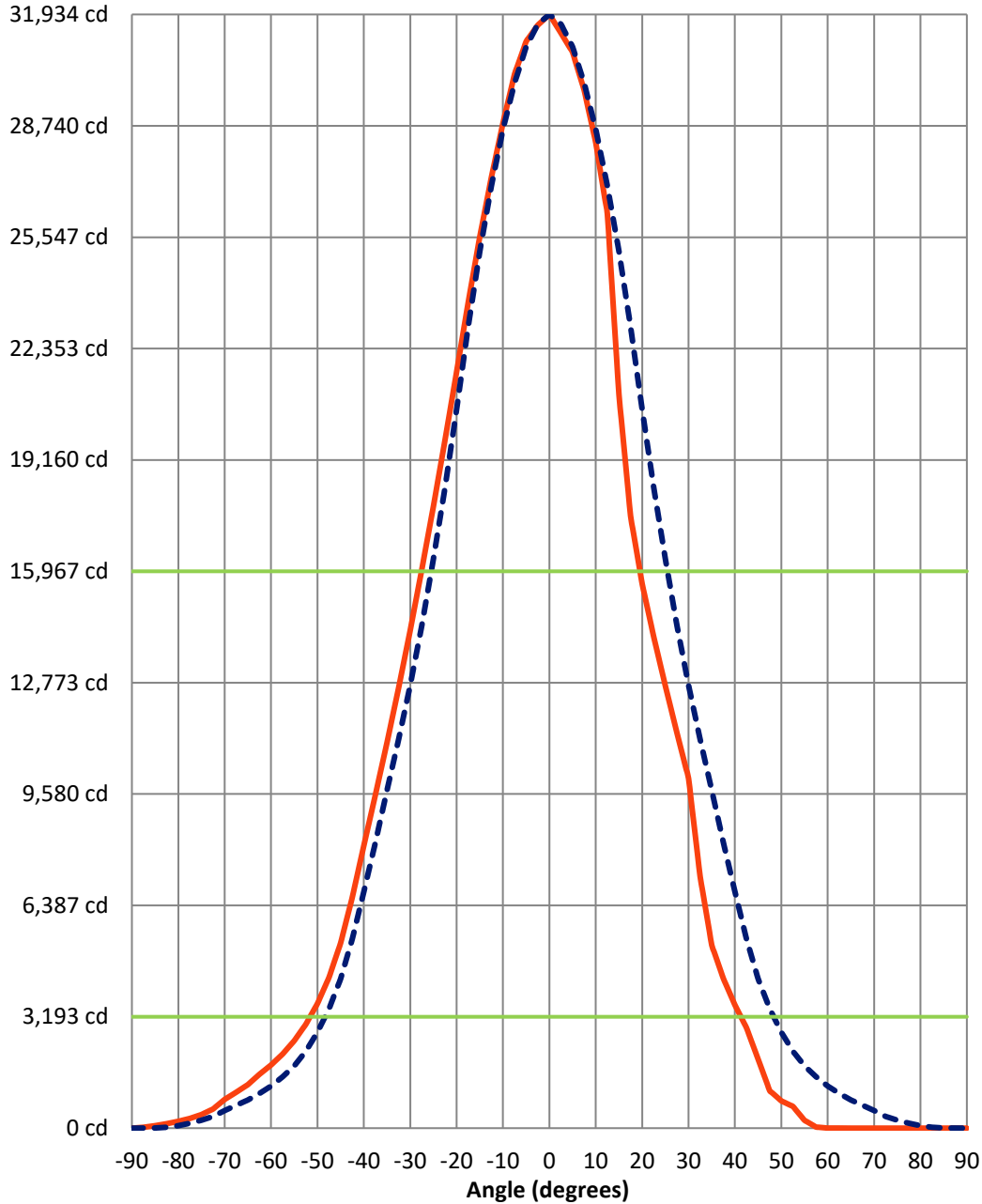
REPORT NUMBER: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-730-U-WR-VSR-XX

Luminous Intensity Polar Plot



REPORT NUMBER: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-730-U-WR-VSR-XX

Luminous Intensity Plot



Beam:
 H Angle: 50.9°
 V Angle: 47.1°
 Lumens: 13563.6
 Efficiency: 48.1%

Field:
 H Angle: 96.7°
 V Angle: 92.9°
 Lumens: 25223.8
 Efficiency: 89.5%

Spill:
 Lumens: 2948.5
 Efficiency: 10.5%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg

Classified

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

Scaled Data Report



REPORT NUMBER: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-WR-VSR-XX

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
85°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	1.9
82.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.3	2.3	2.3
80°	0.0	0.4	0.8	1.2	1.6	2.0	2.3	2.3	2.3	2.3	2.3
77.5°	0.0	0.5	1.0	1.5	2.0	2.3	2.3	2.3	2.3	2.3	2.3
75°	0.0	0.6	1.2	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3
72.5°	0.0	0.7	1.4	2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3
70°	0.0	0.8	1.6	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.5
67.5°	0.0	0.9	1.8	2.3	2.3	2.3	2.5	2.3	2.3	3.0	2.9
65°	0.0	1.0	1.9	2.3	2.3	2.5	2.8	2.3	3.3	3.7	4.4
62.5°	0.0	1.1	2.1	2.3	2.3	3.1	3.1	3.1	4.3	6.1	9.5
60°	0.0	1.1	2.3	2.3	2.3	3.7	3.6	4.3	5.5	15.1	16.3
57.5°	0.0	1.2	2.3	2.3	2.9	4.3	6.2	5.9	14.8	25.4	27.9
55°	0.0	1.3	2.4	2.3	3.6	5.0	9.4	8.6	27.2	38.4	43.4
52.5°	0.0	1.4	2.4	2.3	4.3	6.3	13.2	21.4	40.7	56.9	61.4
50°	0.0	1.5	2.5	2.3	5.1	10.3	17.4	35.4	56.9	77.5	93.7
47.5°	0.0	1.6	2.5	2.5	5.9	14.5	23.2	49.6	78.1	100.2	127.2
45°	0.0	1.6	2.6	3.1	6.7	19.0	35.5	63.9	99.5	129.8	160.2
42.5°	0.0	1.7	2.7	3.7	7.6	23.7	47.8	80.7	120.7	159.0	196.9
40°	0.0	1.8	2.7	4.5	9.9	28.7	60.1	99.2	142.8	187.5	235.1
37.5°	0.0	1.8	2.8	5.5	13.8	33.9	72.2	117.4	166.8	216.9	274.3
35°	0.0	1.9	2.9	6.6	17.8	42.2	84.3	135.4	190.8	251.9	316.8
32.5°	0.0	1.9	3.0	7.7	21.8	51.7	97.0	153.0	214.9	287.9	364.7
30°	0.0	2.0	3.1	8.9	25.8	61.0	111.3	170.9	238.9	324.7	412.9
27.5°	0.0	2.0	3.3	10.2	30.4	70.0	125.1	190.5	265.4	362.0	461.3
25°	0.0	2.1	3.4	11.6	35.0	78.6	138.5	209.7	295.8	401.8	509.7
22.5°	0.0	2.1	3.5	13.0	39.5	87.1	151.2	228.4	325.9	442.0	558.8
20°	0.0	2.2	3.6	14.4	43.8	95.3	163.4	246.4	355.5	481.3	605.6
17.5°	0.0	2.2	3.8	15.9	48.0	103.0	174.7	263.8	384.4	519.6	649.9
15°	0.0	2.2	3.9	17.3	52.0	110.2	185.1	279.2	412.3	556.4	691.7
12.5°	0.0	2.2	4.0	18.7	55.7	116.9	194.5	292.1	435.4	591.5	730.9
10°	0.0	2.3	4.1	20.1	59.3	123.0	203.1	303.5	453.8	612.3	761.6
7.5°	0.0	2.3	4.3	21.5	62.6	128.6	210.8	313.6	470.1	628.2	777.7
5°	0.0	2.3	4.4	22.8	65.6	133.5	217.6	322.3	483.9	640.8	790.7
2.5°	0.0	2.3	4.5	24.0	68.3	137.8	223.3	329.5	495.3	650.3	800.6
0°	0.0	2.3	4.6	25.1	70.7	141.4	228.1	335.3	504.1	656.9	807.5
-2.5°	0.0	2.4	5.3	26.7	73.9	145.9	234.3	345.0	514.0	666.4	818.2
-5°	0.0	2.6	6.0	28.2	76.8	149.6	239.5	353.1	521.2	673.2	825.8
-7.5°	0.0	2.7	6.6	29.5	79.2	152.6	243.5	359.4	525.7	677.5	830.3
-10°	0.0	2.8	7.2	30.6	81.2	154.9	246.4	363.9	527.7	679.2	831.6
-12.5°	0.0	3.0	7.8	31.6	82.7	156.4	248.2	366.5	527.1	678.1	827.7
-15°	0.0	3.1	8.4	32.4	83.7	157.2	248.7	367.0	523.3	672.2	819.7
-17.5°	0.0	3.2	8.9	33.0	84.2	157.1	248.0	366.3	516.5	664.2	808.6
-20°	0.0	3.3	9.4	33.5	84.1	156.2	247.3	364.6	508.0	654.2	794.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.3	9.8	33.7	83.4	154.5	247.4	361.3	498.0	642.3	777.2
-25°	0.0	3.4	10.2	33.6	82.1	153.9	246.3	356.5	486.6	628.6	757.0
-27.5°	0.0	3.4	10.5	33.4	80.2	153.2	243.9	350.2	473.9	612.8	738.3
-30°	0.0	3.5	10.7	32.9	77.9	151.6	240.3	342.4	462.7	595.0	718.2
-32.5°	0.0	3.5	10.9	32.2	76.9	149.0	235.5	336.0	451.7	576.4	696.7
-35°	0.0	3.5	11.0	31.3	75.3	145.4	230.9	328.9	439.2	557.2	673.8
-37.5°	0.0	3.5	11.0	30.1	73.1	141.5	225.6	320.5	425.2	537.5	646.9
-40°	0.0	3.4	11.0	28.7	70.2	138.1	219.1	310.6	409.8	519.1	618.2
-42.5°	0.0	3.4	10.9	27.3	68.0	133.7	211.4	299.3	395.6	495.2	587.6
-45°	0.0	3.3	10.7	26.3	66.7	128.5	202.4	287.4	380.9	469.6	555.8
-47.5°	0.0	3.2	10.5	24.9	64.7	122.4	192.2	275.3	364.6	443.1	526.3
-50°	0.0	3.2	10.2	24.4	62.0	115.5	183.2	261.8	343.2	419.0	496.0
-52.5°	0.0	3.0	9.8	24.1	58.6	107.7	173.6	246.7	321.8	393.8	465.2
-55°	0.0	2.9	9.3	23.4	54.5	101.4	162.8	230.7	299.9	367.5	436.2
-57.5°	0.0	2.8	8.8	22.5	49.8	94.5	151.1	216.4	276.8	341.1	406.2
-60°	0.0	2.6	8.2	21.3	44.7	86.7	138.6	199.1	253.0	313.7	375.2
-62.5°	0.0	2.5	7.7	19.8	41.6	78.0	126.4	179.9	229.6	285.1	343.2
-65°	0.0	2.3	7.1	18.0	38.0	68.4	113.1	159.9	204.6	255.1	310.0
-67.5°	0.0	2.1	6.6	16.0	34.0	59.9	98.7	139.7	178.2	223.3	273.2
-70°	0.0	1.9	5.9	13.8	29.6	52.5	83.2	118.8	153.3	189.9	233.6
-72.5°	0.0	1.7	5.3	12.2	24.8	44.6	70.7	97.3	127.6	159.8	193.7
-75°	0.0	1.4	4.6	10.6	19.7	36.1	58.1	79.3	101.2	128.9	158.1
-77.5°	0.0	1.2	3.9	9.0	16.3	27.2	44.8	62.3	80.4	99.4	121.6
-80°	0.0	1.0	3.1	7.3	13.2	20.8	31.0	45.0	59.8	75.3	91.6
-82.5°	0.0	0.7	2.4	5.5	10.0	15.8	22.8	30.1	38.9	50.8	63.4
-85°	0.0	0.5	1.6	3.7	6.7	10.6	15.3	20.2	25.6	31.7	38.4
-87.5°	0.0	0.2	0.8	1.9	3.4	5.3	7.7	10.1	12.9	15.9	19.3
-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: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	1.1	1.2	1.3	1.4	1.5	1.6	1.6	1.7	1.8	1.8
85°	2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
72.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	1.9
67.5°	2.3	2.3	2.3	2.4	2.3	2.3	2.3	2.3	2.3	1.8	1.2
65°	2.3	2.3	3.1	3.4	2.4	2.3	2.3	2.3	2.4	2.1	2.1
62.5°	3.3	4.1	5.1	8.0	5.9	2.3	4.5	5.2	3.5	2.9	3.1
60°	10.0	6.8	17.5	24.3	15.9	8.4	10.4	20.7	17.1	4.7	12.1
57.5°	20.1	24.8	44.2	46.4	35.6	24.1	52.8	58.6	48.6	30.5	43.9
55°	41.9	59.0	74.6	73.7	74.1	93.2	109.5	107.6	94.8	130.8	164.7
52.5°	79.4	97.1	107.4	117.0	143.7	161.4	166.5	176.5	213.7	258.2	266.2
50°	116.6	134.8	148.4	183.1	210.4	224.4	237.4	271.4	327.7	358.2	363.1
47.5°	154.2	174.5	210.3	248.3	274.7	295.8	318.4	395.8	458.5	484.4	493.9
45°	193.4	228.6	273.3	312.3	342.8	371.5	444.9	550.4	594.6	634.4	735.8
42.5°	234.1	287.1	337.5	378.3	412.7	472.6	574.7	677.1	740.3	825.0	947.5
40°	286.1	345.4	403.8	445.3	488.3	579.0	705.5	813.8	880.7	994.4	1134.0
37.5°	338.8	408.2	471.3	515.1	575.5	698.2	846.8	976.5	1059.4	1152.0	1376.3
35°	390.9	472.3	536.9	595.7	670.4	839.5	1022.6	1166.9	1269.4	1428.0	1711.8
32.5°	446.5	537.4	603.6	683.6	806.3	995.4	1220.3	1380.5	1550.5	1778.7	2233.4
30°	505.7	598.5	674.6	770.7	935.3	1155.9	1416.8	1618.2	1849.0	2219.6	2709.7
27.5°	564.8	659.3	753.0	875.3	1056.0	1294.4	1566.9	1884.5	2182.7	2597.1	3132.9
25°	621.5	721.3	829.9	977.7	1173.2	1422.7	1720.2	2086.5	2475.8	2949.7	3578.7
22.5°	675.7	784.3	911.4	1070.2	1272.0	1544.5	1899.3	2329.6	2797.3	3288.2	4011.1
20°	728.8	854.6	1000.5	1178.2	1362.9	1656.8	2074.4	2595.5	3181.6	3854.2	4562.6
17.5°	781.2	924.0	1092.4	1290.0	1513.8	1814.6	2254.0	2874.3	3587.7	4463.0	5335.2
15°	832.6	992.0	1181.4	1400.4	1666.0	2025.5	2524.6	3206.3	4068.3	5116.5	6149.7
12.5°	882.4	1058.1	1266.7	1508.3	1813.7	2224.1	2779.6	3515.1	4502.8	5755.0	7024.2
10°	930.2	1121.4	1347.7	1612.4	1955.1	2408.9	3005.0	3782.2	4830.5	6121.1	7532.7
7.5°	954.5	1164.3	1416.9	1711.4	2088.5	2578.5	3201.2	4008.0	5086.6	6415.4	7830.9
5°	971.9	1183.9	1442.9	1750.9	2161.8	2693.8	3351.3	4192.5	5275.3	6636.9	8032.8
2.5°	985.3	1198.0	1461.8	1773.2	2190.8	2732.2	3400.9	4256.9	5376.6	6752.5	8150.5
0°	994.5	1206.6	1473.5	1786.0	2205.7	2750.8	3423.7	4283.7	5419.6	6779.0	8193.2
-2.5°	1004.3	1218.4	1485.8	1805.9	2226.7	2776.1	3448.9	4302.6	5451.8	6786.4	8216.4
-5°	1009.9	1224.7	1490.6	1815.4	2233.4	2780.9	3447.1	4284.6	5426.2	6733.1	8166.1
-7.5°	1011.4	1225.4	1487.9	1813.5	2224.8	2759.3	3410.7	4231.1	5337.7	6625.3	8042.8
-10°	1008.9	1220.1	1478.1	1797.1	2199.7	2714.6	3345.5	4138.5	5192.3	6447.4	7834.4
-12.5°	1001.6	1208.6	1460.6	1770.3	2159.4	2650.9	3253.7	4006.4	4990.4	6200.1	7540.7
-15°	989.7	1191.6	1435.1	1733.1	2103.7	2568.9	3135.8	3834.9	4730.4	5885.6	7174.9
-17.5°	973.4	1169.1	1401.8	1685.6	2032.7	2469.3	2993.1	3634.1	4450.0	5534.6	6768.3
-20°	952.7	1141.0	1360.7	1628.1	1950.7	2364.5	2860.8	3456.4	4187.6	5132.7	6288.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	927.4	1107.6	1317.2	1572.9	1878.0	2255.6	2712.8	3254.9	3893.3	4668.2	5764.7
-25°	901.5	1075.5	1274.9	1511.5	1794.9	2132.1	2543.5	3037.3	3615.5	4324.7	5231.3
-27.5°	875.9	1038.7	1225.9	1440.7	1701.9	2004.8	2384.3	2834.5	3349.8	3952.9	4691.1
-30°	847.0	997.5	1172.0	1366.5	1612.6	1893.9	2221.9	2607.7	3065.8	3610.8	4252.6
-32.5°	815.5	953.3	1119.7	1302.3	1517.1	1773.1	2056.8	2405.7	2804.4	3253.9	3808.7
-35°	784.1	915.6	1066.2	1233.2	1414.5	1654.2	1914.9	2204.4	2543.5	2941.6	3385.2
-37.5°	754.0	874.4	1008.8	1164.6	1334.6	1533.6	1764.0	2025.3	2317.2	2633.9	3017.2
-40°	720.4	830.0	957.1	1098.2	1248.6	1421.1	1628.8	1850.6	2101.8	2380.6	2676.6
-42.5°	683.8	789.2	905.2	1026.8	1164.8	1318.9	1491.1	1694.0	1902.7	2136.2	2394.6
-45°	648.0	744.8	850.9	961.9	1078.0	1214.2	1370.6	1539.4	1724.4	1915.0	2132.0
-47.5°	610.3	698.7	797.5	894.2	997.0	1113.2	1245.9	1399.1	1553.4	1723.1	1891.4
-50°	572.5	655.5	738.5	828.8	920.9	1017.6	1129.7	1261.9	1402.4	1543.1	1691.3
-52.5°	538.7	610.5	685.5	763.0	846.9	932.9	1026.4	1135.3	1258.2	1382.2	1509.8
-55°	504.2	570.3	632.3	701.7	774.3	851.7	935.1	1026.7	1119.4	1232.4	1342.3
-57.5°	470.4	529.1	583.0	642.2	706.7	772.6	847.6	925.5	1009.7	1095.1	1185.0
-60°	436.6	486.4	535.3	586.5	640.7	699.2	759.6	828.1	900.2	974.4	1052.3
-62.5°	401.6	442.0	485.1	531.9	579.6	624.7	675.4	731.3	790.8	854.5	920.5
-65°	362.5	396.0	432.0	472.7	517.5	553.8	592.6	634.7	683.9	736.3	788.2
-67.5°	320.7	350.4	379.7	410.0	446.3	478.8	510.7	544.2	580.9	623.8	665.4
-70°	274.1	303.7	329.6	354.7	377.8	401.0	428.1	454.5	484.1	522.5	560.3
-72.5°	226.8	254.6	279.1	300.3	316.6	330.5	347.1	366.3	394.7	430.4	463.7
-75°	183.4	205.8	228.7	249.2	259.7	263.9	267.3	277.4	306.2	342.8	375.2
-77.5°	142.8	162.4	181.0	198.8	206.2	209.1	210.5	210.5	231.7	262.9	295.7
-80°	105.2	118.8	134.6	149.9	154.4	155.7	155.9	154.9	172.3	194.7	218.8
-82.5°	73.1	82.9	93.0	103.4	104.7	104.0	102.5	101.0	115.0	131.2	147.9
-85°	42.6	46.7	52.8	59.2	59.9	59.6	58.5	56.7	64.5	73.3	82.6
-87.5°	21.3	23.4	25.4	27.5	26.7	25.7	24.3	22.6	24.8	27.1	29.4
-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: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.9	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.3	1.7	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.3	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.3	1.8	1.2	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.3	1.9	1.3	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	2.3	1.9	1.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2.3	2.0	1.4	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	1.3	0.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1.1	1.2	1.2	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.4	2.3	1.7	1.1	0.5	0.4	0.6	0.5	0.2	0.0	0.0
62.5°	3.0	2.9	2.0	2.0	2.1	2.3	1.9	1.6	1.5	1.7	1.9
60°	12.9	7.4	7.5	9.6	8.2	3.8	7.5	9.4	8.8	6.7	5.8
57.5°	65.5	54.8	38.3	64.2	66.1	46.1	50.0	65.2	63.2	48.8	48.7
55°	165.0	167.4	179.7	195.9	207.9	213.5	218.4	243.0	269.1	294.7	307.6
52.5°	272.5	304.4	344.0	370.3	388.6	426.1	478.7	502.9	526.3	553.0	572.3
50°	401.3	456.7	496.5	502.3	564.8	605.4	614.9	660.2	709.6	740.3	762.3
47.5°	597.0	667.1	701.7	723.9	800.0	883.4	883.5	909.5	1033.0	1097.7	1128.8
45°	859.8	918.3	979.7	1139.0	1285.5	1332.0	1431.5	1566.2	1653.9	1774.4	1907.0
42.5°	1083.8	1193.5	1347.1	1522.5	1669.4	1791.7	1939.5	2101.6	2296.1	2479.2	2637.1
40°	1305.3	1441.1	1631.4	1822.2	2007.2	2176.6	2414.9	2623.2	2852.8	3104.6	3314.4
37.5°	1594.4	1768.2	1964.9	2205.6	2493.4	2681.5	3009.2	3308.6	3567.2	3871.2	4058.5
35°	2038.4	2265.0	2439.0	2925.6	3275.7	3495.7	3883.7	4375.7	4564.7	4947.5	5129.2
32.5°	2596.6	2897.7	3355.9	4000.2	4467.7	4872.7	5452.7	5952.0	6377.6	6762.1	7162.1
30°	3223.9	3688.4	4363.8	5219.9	5694.9	6262.1	7046.4	7638.4	8305.8	9038.3	9295.0
27.5°	3793.1	4488.9	5273.0	5966.5	6648.7	7355.1	8125.8	8886.3	9608.6	10218.2	10627.3
25°	4320.6	5163.3	5925.4	6666.5	7405.6	8201.2	9072.9	9935.4	10730.3	11357.5	11834.4
22.5°	4864.8	5755.1	6570.4	7322.3	8182.1	9083.6	10010.6	10999.9	11904.5	12555.3	13074.8
20°	5376.4	6366.6	7296.6	8152.7	8965.5	10006.2	11073.5	12123.0	13108.1	13883.2	14482.2
17.5°	6188.5	7048.1	8184.7	9296.8	10212.5	11168.5	12594.8	13677.9	14771.1	15699.4	16334.4
15°	7185.8	8131.0	9304.7	10832.0	12086.6	13182.0	14655.5	16417.4	17706.9	18891.9	19704.9
12.5°	8183.9	9253.0	10522.5	12241.3	14027.5	15317.8	17105.4	19338.1	20840.0	22674.8	23579.3
10°	8948.9	10291.4	11598.7	13167.3	14882.7	16720.1	18647.2	20736.0	22742.7	24318.2	25726.7
7.5°	9256.9	10686.9	12200.3	13800.7	15516.0	17412.3	19466.2	21639.6	23704.9	25464.7	27012.5
5°	9487.2	10952.3	12475.7	14112.2	15945.8	17926.1	20010.6	22292.5	24401.6	26287.7	27871.2
2.5°	9633.4	11112.4	12629.2	14293.0	16221.6	18260.5	20412.0	22754.4	24895.3	26836.9	28415.3
0°	9689.5	11147.1	12700.4	14413.4	16322.6	18366.3	20610.8	22980.7	25138.5	27015.8	28639.8
-2.5°	9697.1	11114.8	12705.1	14409.7	16236.5	18299.4	20570.9	22921.1	25035.0	26904.7	28543.2
-5°	9621.0	11038.1	12629.8	14308.6	16137.9	18185.3	20359.3	22630.3	24646.5	26466.2	28043.8
-7.5°	9466.8	10879.9	12436.4	14076.8	15856.7	17842.7	19930.7	22042.1	24020.0	25765.1	27270.7
-10°	9237.8	10621.2	12123.8	13722.1	15406.3	17295.2	19286.3	21303.6	23158.4	24772.3	26164.5
-12.5°	8927.7	10279.2	11714.1	13240.0	14807.7	16608.6	18488.6	20383.0	22073.6	23547.0	24796.1
-15°	8525.1	9845.0	11234.4	12677.4	14197.8	15826.3	17513.5	19251.2	20810.3	22117.0	23258.1
-17.5°	8050.7	9330.9	10650.4	11988.1	13430.7	14958.6	16524.7	18084.6	19414.4	20575.2	21618.7
-20°	7521.8	8755.3	10008.7	11255.7	12564.5	13977.7	15424.1	16794.3	17956.4	19011.1	19965.9



REPORT NUMBER: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6928.9	8109.6	9310.9	10477.9	11658.2	12937.7	14229.5	15468.6	16555.6	17457.8	18287.5
-25°	6294.3	7385.1	8519.5	9613.7	10700.0	11846.6	13020.0	14160.0	15116.7	15900.1	16585.7
-27.5°	5654.7	6651.5	7651.0	8681.1	9685.2	10743.3	11805.6	12790.3	13649.1	14370.4	14946.6
-30°	4982.4	5873.6	6786.3	7718.4	8677.1	9645.4	10605.3	11467.4	12217.1	12851.5	13349.5
-32.5°	4423.7	5100.7	5906.6	6752.7	7651.4	8533.6	9368.6	10154.4	10860.9	11414.8	11837.1
-35°	3888.2	4461.6	5065.1	5814.0	6586.1	7397.9	8166.0	8867.4	9497.2	9981.2	10378.4
-37.5°	3427.9	3881.3	4391.7	4926.4	5573.7	6244.8	6938.0	7597.7	8159.2	8581.5	8936.3
-40°	3029.4	3387.4	3795.2	4219.1	4695.4	5177.6	5781.1	6337.8	6796.2	7190.8	7512.3
-42.5°	2669.2	2971.3	3272.5	3620.2	3979.5	4367.1	4790.7	5202.4	5554.2	5884.5	6157.6
-45°	2358.2	2599.6	2839.7	3108.2	3372.1	3687.3	3989.9	4259.9	4544.8	4792.2	4986.8
-47.5°	2086.4	2274.5	2480.3	2681.3	2893.1	3130.5	3355.7	3561.2	3770.0	3950.9	4095.9
-50°	1844.7	2000.7	2168.7	2326.6	2497.9	2671.6	2838.1	3001.5	3160.1	3297.7	3404.8
-52.5°	1633.2	1769.5	1900.4	2026.1	2162.4	2290.9	2411.5	2546.4	2670.4	2778.8	2852.1
-55°	1453.1	1564.4	1671.7	1776.7	1879.7	1977.1	2073.2	2178.0	2273.7	2359.9	2414.4
-57.5°	1284.0	1378.7	1469.6	1555.3	1637.1	1714.5	1795.4	1876.0	1949.7	2014.7	2056.9
-60°	1130.1	1207.5	1286.1	1356.1	1422.0	1483.9	1552.0	1616.5	1676.0	1726.1	1755.2
-62.5°	989.1	1058.6	1116.6	1171.9	1228.0	1283.8	1332.2	1379.8	1425.7	1464.4	1489.9
-65°	841.8	900.6	950.0	994.5	1034.6	1077.8	1119.1	1156.4	1189.6	1214.8	1230.9
-67.5°	710.0	753.3	792.8	828.2	864.0	898.6	930.4	958.7	983.6	1001.2	1012.8
-70°	595.4	628.5	660.8	693.0	724.9	751.9	774.9	796.1	815.2	823.2	826.8
-72.5°	494.7	524.0	552.5	580.9	607.4	628.5	645.5	661.0	675.0	662.9	641.9
-75°	403.5	429.3	455.9	480.9	504.3	520.5	533.0	544.6	555.1	529.1	493.2
-77.5°	328.8	351.5	371.2	390.7	410.0	420.3	428.3	436.1	443.6	414.4	377.7
-80°	244.0	262.3	278.9	295.4	311.5	317.6	321.1	323.5	324.9	300.0	271.1
-82.5°	164.8	174.3	183.5	193.0	202.8	207.9	211.8	214.8	216.9	199.2	179.3
-85°	92.4	95.2	97.5	99.4	100.9	104.2	107.2	110.1	112.7	104.3	95.0
-87.5°	31.8	31.8	31.6	31.4	31.0	31.1	31.1	31.0	30.8	29.5	28.1
-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: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5
62.5°	2.1	2.2	2.3	2.3	2.3	2.2	2.1	1.9	1.7	1.5	1.6
60°	4.5	2.8	2.3	2.3	2.3	2.8	4.5	5.8	6.7	8.8	9.4
57.5°	45.4	39.6	35.5	31.9	35.5	39.6	45.4	48.7	48.8	63.2	65.2
55°	302.1	281.3	255.8	225.8	255.8	281.3	302.1	307.6	294.7	269.1	243.0
52.5°	592.6	612.3	623.7	622.7	623.7	612.3	592.6	572.3	553.0	526.3	502.9
50°	780.0	790.7	791.3	782.4	791.3	790.7	780.0	762.3	740.3	709.6	660.2
47.5°	1142.8	1127.8	1102.1	1074.3	1102.1	1127.8	1142.8	1128.8	1097.7	1033.0	909.5
45°	1994.2	2042.2	2039.1	1977.6	2039.1	2042.2	1994.2	1907.0	1774.4	1653.9	1566.2
42.5°	2725.3	2797.2	2848.1	2874.0	2848.1	2797.2	2725.3	2637.1	2479.2	2296.1	2101.6
40°	3432.6	3502.1	3532.7	3530.9	3532.7	3502.1	3432.6	3314.4	3104.6	2852.8	2623.2
37.5°	4180.0	4269.9	4313.5	4292.8	4313.5	4269.9	4180.0	4058.5	3871.2	3567.2	3308.6
35°	5207.9	5292.0	5293.6	5250.8	5293.6	5292.0	5207.9	5129.2	4947.5	4564.7	4375.7
32.5°	7479.6	7507.8	7291.5	7214.7	7291.5	7507.8	7479.6	7162.1	6762.1	6377.6	5952.0
30°	9550.3	9750.0	9935.8	10029.4	9935.8	9750.0	9550.3	9295.0	9038.3	8305.8	7638.4
27.5°	10935.7	11175.8	11324.6	11334.1	11324.6	11175.8	10935.7	10627.3	10218.2	9608.6	8886.3
25°	12195.7	12464.3	12626.6	12682.2	12626.6	12464.3	12195.7	11834.4	11357.5	10730.3	9935.4
22.5°	13515.8	13832.4	14042.1	14085.0	14042.1	13832.4	13515.8	13074.8	12555.3	11904.5	10999.9
20°	15047.4	15415.8	15616.9	15608.7	15616.9	15415.8	15047.4	14482.2	13883.2	13108.1	12123.0
17.5°	17063.7	17458.8	17632.5	17556.6	17632.5	17458.8	17063.7	16334.4	15699.4	14771.1	13677.9
15°	20539.4	21366.0	21362.7	21032.8	21362.7	21366.0	20539.4	19704.9	18891.9	17706.9	16417.4
12.5°	24826.7	25442.7	26074.7	26210.6	26074.7	25442.7	24826.7	23579.3	22674.8	20840.0	19338.1
10°	26912.8	27731.0	28270.8	28256.6	28270.8	27731.0	26912.8	25726.7	24318.2	22742.7	20736.0
7.5°	28218.0	29121.8	29776.1	29762.1	29776.1	29121.8	28218.0	27012.5	25464.7	23704.9	21639.6
5°	29225.2	30227.7	30807.2	30850.1	30807.2	30227.7	29225.2	27871.2	26287.7	24401.6	22292.5
2.5°	29748.5	30794.8	31491.5	31399.8	31491.5	30794.8	29748.5	28415.3	26836.9	24895.3	22754.4
0°	29967.3	31002.9	31653.0	31933.5	31653.0	31002.9	29967.3	28639.8	27015.8	25138.5	22980.7
-2.5°	29871.7	30879.4	31597.8	31625.6	31597.8	30879.4	29871.7	28543.2	26904.7	25035.0	22921.1
-5°	29359.9	30423.3	30904.6	31160.3	30904.6	30423.3	29359.9	28043.8	26466.2	24646.5	22630.3
-7.5°	28534.5	29331.4	29942.8	30225.1	29942.8	29331.4	28534.5	27270.7	25765.1	24020.0	22042.1
-10°	27249.9	28074.9	28591.6	28824.6	28591.6	28074.9	27249.9	26164.5	24772.3	23158.4	21303.6
-12.5°	25826.8	26576.6	27067.8	27264.4	27067.8	26576.6	25826.8	24796.1	23547.0	22073.6	20383.0
-15°	24239.1	24919.8	25371.9	25560.5	25371.9	24919.8	24239.1	23258.1	22117.0	20810.3	19251.2
-17.5°	22491.3	23087.8	23538.2	23674.2	23538.2	23087.8	22491.3	21618.7	20575.2	19414.4	18084.6
-20°	20694.1	21233.3	21604.4	21685.2	21604.4	21233.3	20694.1	19965.9	19011.1	17956.4	16794.3



REPORT NUMBER: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18883.2	19327.4	19628.8	19730.4	19628.8	19327.4	18883.2	18287.5	17457.8	16555.6	15468.6
-25°	17113.5	17496.9	17739.5	17830.3	17739.5	17496.9	17113.5	16585.7	15900.1	15116.7	14160.0
-27.5°	15411.4	15768.8	15991.7	16021.5	15991.7	15768.8	15411.4	14946.6	14370.4	13649.1	12790.3
-30°	13736.7	14032.0	14203.8	14276.6	14203.8	14032.0	13736.7	13349.5	12851.5	12217.1	11467.4
-32.5°	12171.7	12429.6	12583.9	12625.2	12583.9	12429.6	12171.7	11837.1	11414.8	10860.9	10154.4
-35°	10694.2	10932.4	11069.2	11058.1	11069.2	10932.4	10694.2	10378.4	9981.2	9497.2	8867.4
-37.5°	9229.6	9449.3	9573.4	9561.8	9573.4	9449.3	9229.6	8936.3	8581.5	8159.2	7597.7
-40°	7776.6	7966.2	8075.5	8102.0	8075.5	7966.2	7776.6	7512.3	7190.8	6796.2	6337.8
-42.5°	6384.6	6559.6	6647.0	6612.5	6647.0	6559.6	6384.6	6157.6	5884.5	5554.2	5202.4
-45°	5123.0	5213.5	5273.0	5310.1	5273.0	5213.5	5123.0	4986.8	4792.2	4544.8	4259.9
-47.5°	4202.1	4277.1	4317.6	4324.7	4317.6	4277.1	4202.1	4095.9	3950.9	3770.0	3561.2
-50°	3488.0	3551.8	3580.0	3572.0	3580.0	3551.8	3488.0	3404.8	3297.7	3160.1	3001.5
-52.5°	2904.8	2941.8	2966.8	2978.9	2966.8	2941.8	2904.8	2852.1	2778.8	2670.4	2546.4
-55°	2455.4	2484.3	2501.1	2506.8	2501.1	2484.3	2455.4	2414.4	2359.9	2273.7	2178.0
-57.5°	2092.0	2119.5	2129.4	2125.9	2129.4	2119.5	2092.0	2056.9	2014.7	1949.7	1876.0
-60°	1777.7	1793.3	1805.1	1811.1	1805.1	1793.3	1777.7	1755.2	1726.1	1676.0	1616.5
-62.5°	1510.1	1524.9	1537.1	1544.2	1537.1	1524.9	1510.1	1489.9	1464.4	1425.7	1379.8
-65°	1242.2	1248.6	1250.5	1247.7	1250.5	1248.6	1242.2	1230.9	1214.8	1189.6	1156.4
-67.5°	1021.3	1026.8	1030.4	1031.0	1030.4	1026.8	1021.3	1012.8	1001.2	983.6	958.7
-70°	830.3	832.5	829.9	823.4	829.9	832.5	830.3	826.8	823.2	815.2	796.1
-72.5°	620.2	597.5	574.8	549.7	574.8	597.5	620.2	641.9	662.9	675.0	661.0
-75°	456.0	417.5	403.5	390.0	403.5	417.5	456.0	493.2	529.1	555.1	544.6
-77.5°	339.1	299.1	288.4	278.3	288.4	299.1	339.1	377.7	414.4	443.6	436.1
-80°	240.9	209.7	202.8	196.2	202.8	209.7	240.9	271.1	300.0	324.9	323.5
-82.5°	158.4	136.6	132.2	127.7	132.2	136.6	158.4	179.3	199.2	216.9	214.8
-85°	85.2	75.0	72.9	70.7	72.9	75.0	85.2	95.0	104.3	112.7	110.1
-87.5°	26.6	25.0	25.1	25.1	25.1	25.0	26.6	28.1	29.5	30.8	31.0
-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: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.5	1.0	1.5	1.9	1.8	1.8	1.7	1.6
85°	0.0	0.0	0.0	0.6	1.2	1.7	2.3	2.3	2.3	2.3	2.3
82.5°	0.0	0.0	0.0	0.6	1.2	1.8	2.3	2.3	2.3	2.3	2.3
80°	0.0	0.0	0.1	0.7	1.2	1.8	2.3	2.3	2.3	2.3	2.3
77.5°	0.0	0.0	0.1	0.7	1.3	1.9	2.3	2.3	2.3	2.3	2.3
75°	0.0	0.0	0.2	0.8	1.3	1.9	2.3	2.3	2.3	2.3	2.3
72.5°	0.0	0.0	0.2	0.7	1.4	2.0	2.3	2.3	2.3	2.3	2.3
70°	0.0	0.0	0.1	0.1	0.2	0.6	1.3	1.9	2.2	2.3	2.3
67.5°	0.0	0.0	0.4	0.9	1.2	1.2	1.1	1.2	1.8	2.3	2.3
65°	0.6	0.4	0.5	1.1	1.7	2.3	2.4	2.1	2.1	2.4	2.3
62.5°	1.9	2.3	2.1	2.0	2.0	2.9	3.0	3.1	2.9	3.5	5.2
60°	7.5	3.8	8.2	9.6	7.5	7.4	12.9	12.1	4.7	17.1	20.7
57.5°	50.0	46.1	66.1	64.2	38.3	54.8	65.5	43.9	30.5	48.6	58.6
55°	218.4	213.5	207.9	195.9	179.7	167.4	165.0	164.7	130.8	94.8	107.6
52.5°	478.7	426.1	388.6	370.3	344.0	304.4	272.5	266.2	258.2	213.7	176.5
50°	614.9	605.4	564.8	502.3	496.5	456.7	401.3	363.1	358.2	327.7	271.4
47.5°	883.5	883.4	800.0	723.9	701.7	667.1	597.0	493.9	484.4	458.5	395.8
45°	1431.5	1332.0	1285.5	1139.0	979.7	918.3	859.8	735.8	634.4	594.6	550.4
42.5°	1939.5	1791.7	1669.4	1522.5	1347.1	1193.5	1083.8	947.5	825.0	740.3	677.1
40°	2414.9	2176.6	2007.2	1822.2	1631.4	1441.1	1305.3	1134.0	994.4	880.7	813.8
37.5°	3009.2	2681.5	2493.4	2205.6	1964.9	1768.2	1594.4	1376.3	1152.0	1059.4	976.5
35°	3883.7	3495.7	3275.7	2925.6	2439.0	2265.0	2038.4	1711.8	1428.0	1269.4	1166.9
32.5°	5452.7	4872.7	4467.7	4000.2	3355.9	2897.7	2596.6	2233.4	1778.7	1550.5	1380.5
30°	7046.4	6262.1	5694.9	5219.9	4363.8	3688.4	3223.9	2709.7	2219.6	1849.0	1618.2
27.5°	8125.8	7355.1	6648.7	5966.5	5273.0	4488.9	3793.1	3132.9	2597.1	2182.7	1884.5
25°	9072.9	8201.2	7405.6	6666.5	5925.4	5163.3	4320.6	3578.7	2949.7	2475.8	2086.5
22.5°	10010.6	9083.6	8182.1	7322.3	6570.4	5755.1	4864.8	4011.1	3288.2	2797.3	2329.6
20°	11073.5	10006.2	8965.5	8152.7	7296.6	6366.6	5376.4	4562.6	3854.2	3181.6	2595.5
17.5°	12594.8	11168.5	10212.5	9296.8	8184.7	7048.1	6188.5	5335.2	4463.0	3587.7	2874.3
15°	14655.5	13182.0	12086.6	10832.0	9304.7	8131.0	7185.8	6149.7	5116.5	4068.3	3206.3
12.5°	17105.4	15317.8	14027.5	12241.3	10522.5	9253.0	8183.9	7024.2	5755.0	4502.8	3515.1
10°	18647.2	16720.1	14882.7	13167.3	11598.7	10291.4	8948.9	7532.7	6121.1	4830.5	3782.2
7.5°	19466.2	17412.3	15516.0	13800.7	12200.3	10686.9	9256.9	7830.9	6415.4	5086.6	4008.0
5°	20010.6	17926.1	15945.8	14112.2	12475.7	10952.3	9487.2	8032.8	6636.9	5275.3	4192.5
2.5°	20412.0	18260.5	16221.6	14293.0	12629.2	11112.4	9633.4	8150.5	6752.5	5376.6	4256.9
0°	20610.8	18366.3	16322.6	14413.4	12700.4	11147.1	9689.5	8193.2	6779.0	5419.6	4283.7
-2.5°	20570.9	18299.4	16236.5	14409.7	12705.1	11114.8	9697.1	8216.4	6786.4	5451.8	4302.6
-5°	20359.3	18185.3	16137.9	14308.6	12629.8	11038.1	9621.0	8166.1	6733.1	5426.2	4284.6
-7.5°	19930.7	17842.7	15856.7	14076.8	12436.4	10879.9	9466.8	8042.8	6625.3	5337.7	4231.1
-10°	19286.3	17295.2	15406.3	13722.1	12123.8	10621.2	9237.8	7834.4	6447.4	5192.3	4138.5
-12.5°	18488.6	16608.6	14807.7	13240.0	11714.1	10279.2	8927.7	7540.7	6200.1	4990.4	4006.4
-15°	17513.5	15826.3	14197.8	12677.4	11234.4	9845.0	8525.1	7174.9	5885.6	4730.4	3834.9
-17.5°	16524.7	14958.6	13430.7	11988.1	10650.4	9330.9	8050.7	6768.3	5534.6	4450.0	3634.1
-20°	15424.1	13977.7	12564.5	11255.7	10008.7	8755.3	7521.8	6288.5	5132.7	4187.6	3456.4



REPORT NUMBER: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14229.5	12937.7	11658.2	10477.9	9310.9	8109.6	6928.9	5764.7	4668.2	3893.3	3254.9
-25°	13020.0	11846.6	10700.0	9613.7	8519.5	7385.1	6294.3	5231.3	4324.7	3615.5	3037.3
-27.5°	11805.6	10743.3	9685.2	8681.1	7651.0	6651.5	5654.7	4691.1	3952.9	3349.8	2834.5
-30°	10605.3	9645.4	8677.1	7718.4	6786.3	5873.6	4982.4	4252.6	3610.8	3065.8	2607.7
-32.5°	9368.6	8533.6	7651.4	6752.7	5906.6	5100.7	4423.7	3808.7	3253.9	2804.4	2405.7
-35°	8166.0	7397.9	6586.1	5814.0	5065.1	4461.6	3888.2	3385.2	2941.6	2543.5	2204.4
-37.5°	6938.0	6244.8	5573.7	4926.4	4391.7	3881.3	3427.9	3017.2	2633.9	2317.2	2025.3
-40°	5781.1	5177.6	4695.4	4219.1	3795.2	3387.4	3029.4	2676.6	2380.6	2101.8	1850.6
-42.5°	4790.7	4367.1	3979.5	3620.2	3272.5	2971.3	2669.2	2394.6	2136.2	1902.7	1694.0
-45°	3989.9	3687.3	3372.1	3108.2	2839.7	2599.6	2358.2	2132.0	1915.0	1724.4	1539.4
-47.5°	3355.7	3130.5	2893.1	2681.3	2480.3	2274.5	2086.4	1891.4	1723.1	1553.4	1399.1
-50°	2838.1	2671.6	2497.9	2326.6	2168.7	2000.7	1844.7	1691.3	1543.1	1402.4	1261.9
-52.5°	2411.5	2290.9	2162.4	2026.1	1900.4	1769.5	1633.2	1509.8	1382.2	1258.2	1135.3
-55°	2073.2	1977.1	1879.7	1776.7	1671.7	1564.4	1453.1	1342.3	1232.4	1119.4	1026.7
-57.5°	1795.4	1714.5	1637.1	1555.3	1469.6	1378.7	1284.0	1185.0	1095.1	1009.7	925.5
-60°	1552.0	1483.9	1422.0	1356.1	1286.1	1207.5	1130.1	1052.3	974.4	900.2	828.1
-62.5°	1332.2	1283.8	1228.0	1171.9	1116.6	1058.6	989.1	920.5	854.5	790.8	731.3
-65°	1119.1	1077.8	1034.6	994.5	950.0	900.6	841.8	788.2	736.3	683.9	634.7
-67.5°	930.4	898.6	864.0	828.2	792.8	753.3	710.0	665.4	623.8	580.9	544.2
-70°	774.9	751.9	724.9	693.0	660.8	628.5	595.4	560.3	522.5	484.1	454.5
-72.5°	645.5	628.5	607.4	580.9	552.5	524.0	494.7	463.7	430.4	394.7	366.3
-75°	533.0	520.5	504.3	480.9	455.9	429.3	403.5	375.2	342.8	306.2	277.4
-77.5°	428.3	420.3	410.0	390.7	371.2	351.5	328.8	295.7	262.9	231.7	210.5
-80°	321.1	317.6	311.5	295.4	278.9	262.3	244.0	218.8	194.7	172.3	154.9
-82.5°	211.8	207.9	202.8	193.0	183.5	174.3	164.8	147.9	131.2	115.0	101.0
-85°	107.2	104.2	100.9	99.4	97.5	95.2	92.4	82.6	73.3	64.5	56.7
-87.5°	31.1	31.1	31.0	31.4	31.6	31.8	31.8	29.4	27.1	24.8	22.6
-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: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	1.5	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.7
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.1	1.9	1.8	1.6	1.4
82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.1
80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
72.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.5	2.3	2.3	2.3
67.5°	2.3	2.3	2.3	2.4	2.3	2.3	2.3	2.9	3.0	2.3	2.3
65°	2.3	2.3	2.4	3.4	3.1	2.3	2.3	4.4	3.7	3.3	2.3
62.5°	4.5	2.3	5.9	8.0	5.1	4.1	3.3	9.5	6.1	4.3	3.1
60°	10.4	8.4	15.9	24.3	17.5	6.8	10.0	16.3	15.1	5.5	4.3
57.5°	52.8	24.1	35.6	46.4	44.2	24.8	20.1	27.9	25.4	14.8	5.9
55°	109.5	93.2	74.1	73.7	74.6	59.0	41.9	43.4	38.4	27.2	8.6
52.5°	166.5	161.4	143.7	117.0	107.4	97.1	79.4	61.4	56.9	40.7	21.4
50°	237.4	224.4	210.4	183.1	148.4	134.8	116.6	93.7	77.5	56.9	35.4
47.5°	318.4	295.8	274.7	248.3	210.3	174.5	154.2	127.2	100.2	78.1	49.6
45°	444.9	371.5	342.8	312.3	273.3	228.6	193.4	160.2	129.8	99.5	63.9
42.5°	574.7	472.6	412.7	378.3	337.5	287.1	234.1	196.9	159.0	120.7	80.7
40°	705.5	579.0	488.3	445.3	403.8	345.4	286.1	235.1	187.5	142.8	99.2
37.5°	846.8	698.2	575.5	515.1	471.3	408.2	338.8	274.3	216.9	166.8	117.4
35°	1022.6	839.5	670.4	595.7	536.9	472.3	390.9	316.8	251.9	190.8	135.4
32.5°	1220.3	995.4	806.3	683.6	603.6	537.4	446.5	364.7	287.9	214.9	153.0
30°	1416.8	1155.9	935.3	770.7	674.6	598.5	505.7	412.9	324.7	238.9	170.9
27.5°	1566.9	1294.4	1056.0	875.3	753.0	659.3	564.8	461.3	362.0	265.4	190.5
25°	1720.2	1422.7	1173.2	977.7	829.9	721.3	621.5	509.7	401.8	295.8	209.7
22.5°	1899.3	1544.5	1272.0	1070.2	911.4	784.3	675.7	558.8	442.0	325.9	228.4
20°	2074.4	1656.8	1362.9	1178.2	1000.5	854.6	728.8	605.6	481.3	355.5	246.4
17.5°	2254.0	1814.6	1513.8	1290.0	1092.4	924.0	781.2	649.9	519.6	384.4	263.8
15°	2524.6	2025.5	1666.0	1400.4	1181.4	992.0	832.6	691.7	556.4	412.3	279.2
12.5°	2779.6	2224.1	1813.7	1508.3	1266.7	1058.1	882.4	730.9	591.5	435.4	292.1
10°	3005.0	2408.9	1955.1	1612.4	1347.7	1121.4	930.2	761.6	612.3	453.8	303.5
7.5°	3201.2	2578.5	2088.5	1711.4	1416.9	1164.3	954.5	777.7	628.2	470.1	313.6
5°	3351.3	2693.8	2161.8	1750.9	1442.9	1183.9	971.9	790.7	640.8	483.9	322.3
2.5°	3400.9	2732.2	2190.8	1773.2	1461.8	1198.0	985.3	800.6	650.3	495.3	329.5
0°	3423.7	2750.8	2205.7	1786.0	1473.5	1206.6	994.5	807.5	656.9	504.1	335.3
-2.5°	3448.9	2776.1	2226.7	1805.9	1485.8	1218.4	1004.3	818.2	666.4	514.0	345.0
-5°	3447.1	2780.9	2233.4	1815.4	1490.6	1224.7	1009.9	825.8	673.2	521.2	353.1
-7.5°	3410.7	2759.3	2224.8	1813.5	1487.9	1225.4	1011.4	830.3	677.5	525.7	359.4
-10°	3345.5	2714.6	2199.7	1797.1	1478.1	1220.1	1008.9	831.6	679.2	527.7	363.9
-12.5°	3253.7	2650.9	2159.4	1770.3	1460.6	1208.6	1001.6	827.7	678.1	527.1	366.5
-15°	3135.8	2568.9	2103.7	1733.1	1435.1	1191.6	989.7	819.7	672.2	523.3	367.0
-17.5°	2993.1	2469.3	2032.7	1685.6	1401.8	1169.1	973.4	808.6	664.2	516.5	366.3
-20°	2860.8	2364.5	1950.7	1628.1	1360.7	1141.0	952.7	794.4	654.2	508.0	364.6

Classified

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

Scaled Data Report



REPORT NUMBER: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2712.8	2255.6	1878.0	1572.9	1317.2	1107.6	927.4	777.2	642.3	498.0	361.3
-25°	2543.5	2132.1	1794.9	1511.5	1274.9	1075.5	901.5	757.0	628.6	486.6	356.5
-27.5°	2384.3	2004.8	1701.9	1440.7	1225.9	1038.7	875.9	738.3	612.8	473.9	350.2
-30°	2221.9	1893.9	1612.6	1366.5	1172.0	997.5	847.0	718.2	595.0	462.7	342.4
-32.5°	2056.8	1773.1	1517.1	1302.3	1119.7	953.3	815.5	696.7	576.4	451.7	336.0
-35°	1914.9	1654.2	1414.5	1233.2	1066.2	915.6	784.1	673.8	557.2	439.2	328.9
-37.5°	1764.0	1533.6	1334.6	1164.6	1008.8	874.4	754.0	646.9	537.5	425.2	320.5
-40°	1628.8	1421.1	1248.6	1098.2	957.1	830.0	720.4	618.2	519.1	409.8	310.6
-42.5°	1491.1	1318.9	1164.8	1026.8	905.2	789.2	683.8	587.6	495.2	395.6	299.3
-45°	1370.6	1214.2	1078.0	961.9	850.9	744.8	648.0	555.8	469.6	380.9	287.4
-47.5°	1245.9	1113.2	997.0	894.2	797.5	698.7	610.3	526.3	443.1	364.6	275.3
-50°	1129.7	1017.6	920.9	828.8	738.5	655.5	572.5	496.0	419.0	343.2	261.8
-52.5°	1026.4	932.9	846.9	763.0	685.5	610.5	538.7	465.2	393.8	321.8	246.7
-55°	935.1	851.7	774.3	701.7	632.3	570.3	504.2	436.2	367.5	299.9	230.7
-57.5°	847.6	772.6	706.7	642.2	583.0	529.1	470.4	406.2	341.1	276.8	216.4
-60°	759.6	699.2	640.7	586.5	535.3	486.4	436.6	375.2	313.7	253.0	199.1
-62.5°	675.4	624.7	579.6	531.9	485.1	442.0	401.6	343.2	285.1	229.6	179.9
-65°	592.6	553.8	517.5	472.7	432.0	396.0	362.5	310.0	255.1	204.6	159.9
-67.5°	510.7	478.8	446.3	410.0	379.7	350.4	320.7	273.2	223.3	178.2	139.7
-70°	428.1	401.0	377.8	354.7	329.6	303.7	274.1	233.6	189.9	153.3	118.8
-72.5°	347.1	330.5	316.6	300.3	279.1	254.6	226.8	193.7	159.8	127.6	97.3
-75°	267.3	263.9	259.7	249.2	228.7	205.8	183.4	158.1	128.9	101.2	79.3
-77.5°	210.5	209.1	206.2	198.8	181.0	162.4	142.8	121.6	99.4	80.4	62.3
-80°	155.9	155.7	154.4	149.9	134.6	118.8	105.2	91.6	75.3	59.8	45.0
-82.5°	102.5	104.0	104.7	103.4	93.0	82.9	73.1	63.4	50.8	38.9	30.1
-85°	58.5	59.6	59.9	59.2	52.8	46.7	42.6	38.4	31.7	25.6	20.2
-87.5°	24.3	25.7	26.7	27.5	25.4	23.4	21.3	19.3	15.9	12.9	10.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
85°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
82.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
80°	2.3	2.0	1.6	1.2	0.8	0.4	0.0
77.5°	2.3	2.3	2.0	1.5	1.0	0.5	0.0
75°	2.3	2.3	2.3	1.8	1.2	0.6	0.0
72.5°	2.3	2.3	2.3	2.1	1.4	0.7	0.0
70°	2.3	2.3	2.3	2.3	1.6	0.8	0.0
67.5°	2.5	2.3	2.3	2.3	1.8	0.9	0.0
65°	2.8	2.5	2.3	2.3	1.9	1.0	0.0
62.5°	3.1	3.1	2.3	2.3	2.1	1.1	0.0
60°	3.6	3.7	2.3	2.3	2.3	1.1	0.0
57.5°	6.2	4.3	2.9	2.3	2.3	1.2	0.0
55°	9.4	5.0	3.6	2.3	2.4	1.3	0.0
52.5°	13.2	6.3	4.3	2.3	2.4	1.4	0.0
50°	17.4	10.3	5.1	2.3	2.5	1.5	0.0
47.5°	23.2	14.5	5.9	2.5	2.5	1.6	0.0
45°	35.5	19.0	6.7	3.1	2.6	1.6	0.0
42.5°	47.8	23.7	7.6	3.7	2.7	1.7	0.0
40°	60.1	28.7	9.9	4.5	2.7	1.8	0.0
37.5°	72.2	33.9	13.8	5.5	2.8	1.8	0.0
35°	84.3	42.2	17.8	6.6	2.9	1.9	0.0
32.5°	97.0	51.7	21.8	7.7	3.0	1.9	0.0
30°	111.3	61.0	25.8	8.9	3.1	2.0	0.0
27.5°	125.1	70.0	30.4	10.2	3.3	2.0	0.0
25°	138.5	78.6	35.0	11.6	3.4	2.1	0.0
22.5°	151.2	87.1	39.5	13.0	3.5	2.1	0.0
20°	163.4	95.3	43.8	14.4	3.6	2.2	0.0
17.5°	174.7	103.0	48.0	15.9	3.8	2.2	0.0
15°	185.1	110.2	52.0	17.3	3.9	2.2	0.0
12.5°	194.5	116.9	55.7	18.7	4.0	2.2	0.0
10°	203.1	123.0	59.3	20.1	4.1	2.3	0.0
7.5°	210.8	128.6	62.6	21.5	4.3	2.3	0.0
5°	217.6	133.5	65.6	22.8	4.4	2.3	0.0
2.5°	223.3	137.8	68.3	24.0	4.5	2.3	0.0
0°	228.1	141.4	70.7	25.1	4.6	2.3	0.0
-2.5°	234.3	145.9	73.9	26.7	5.3	2.4	0.0
-5°	239.5	149.6	76.8	28.2	6.0	2.6	0.0
-7.5°	243.5	152.6	79.2	29.5	6.6	2.7	0.0
-10°	246.4	154.9	81.2	30.6	7.2	2.8	0.0
-12.5°	248.2	156.4	82.7	31.6	7.8	3.0	0.0
-15°	248.7	157.2	83.7	32.4	8.4	3.1	0.0
-17.5°	248.0	157.1	84.2	33.0	8.9	3.2	0.0
-20°	247.3	156.2	84.1	33.5	9.4	3.3	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627692 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	247.4	154.5	83.4	33.7	9.8	3.3	0.0
-25°	246.3	153.9	82.1	33.6	10.2	3.4	0.0
-27.5°	243.9	153.2	80.2	33.4	10.5	3.4	0.0
-30°	240.3	151.6	77.9	32.9	10.7	3.5	0.0
-32.5°	235.5	149.0	76.9	32.2	10.9	3.5	0.0
-35°	230.9	145.4	75.3	31.3	11.0	3.5	0.0
-37.5°	225.6	141.5	73.1	30.1	11.0	3.5	0.0
-40°	219.1	138.1	70.2	28.7	11.0	3.4	0.0
-42.5°	211.4	133.7	68.0	27.3	10.9	3.4	0.0
-45°	202.4	128.5	66.7	26.3	10.7	3.3	0.0
-47.5°	192.2	122.4	64.7	24.9	10.5	3.2	0.0
-50°	183.2	115.5	62.0	24.4	10.2	3.2	0.0
-52.5°	173.6	107.7	58.6	24.1	9.8	3.0	0.0
-55°	162.8	101.4	54.5	23.4	9.3	2.9	0.0
-57.5°	151.1	94.5	49.8	22.5	8.8	2.8	0.0
-60°	138.6	86.7	44.7	21.3	8.2	2.6	0.0
-62.5°	126.4	78.0	41.6	19.8	7.7	2.5	0.0
-65°	113.1	68.4	38.0	18.0	7.1	2.3	0.0
-67.5°	98.7	59.9	34.0	16.0	6.6	2.1	0.0
-70°	83.2	52.5	29.6	13.8	5.9	1.9	0.0
-72.5°	70.7	44.6	24.8	12.2	5.3	1.7	0.0
-75°	58.1	36.1	19.7	10.6	4.6	1.4	0.0
-77.5°	44.8	27.2	16.3	9.0	3.9	1.2	0.0
-80°	31.0	20.8	13.2	7.3	3.1	1.0	0.0
-82.5°	22.8	15.8	10.0	5.5	2.4	0.7	0.0
-85°	15.3	10.6	6.7	3.7	1.6	0.5	0.0
-87.5°	7.7	5.3	3.4	1.9	0.8	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)