

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: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4E-740-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/4/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4E-740-U-LAM-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (64) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

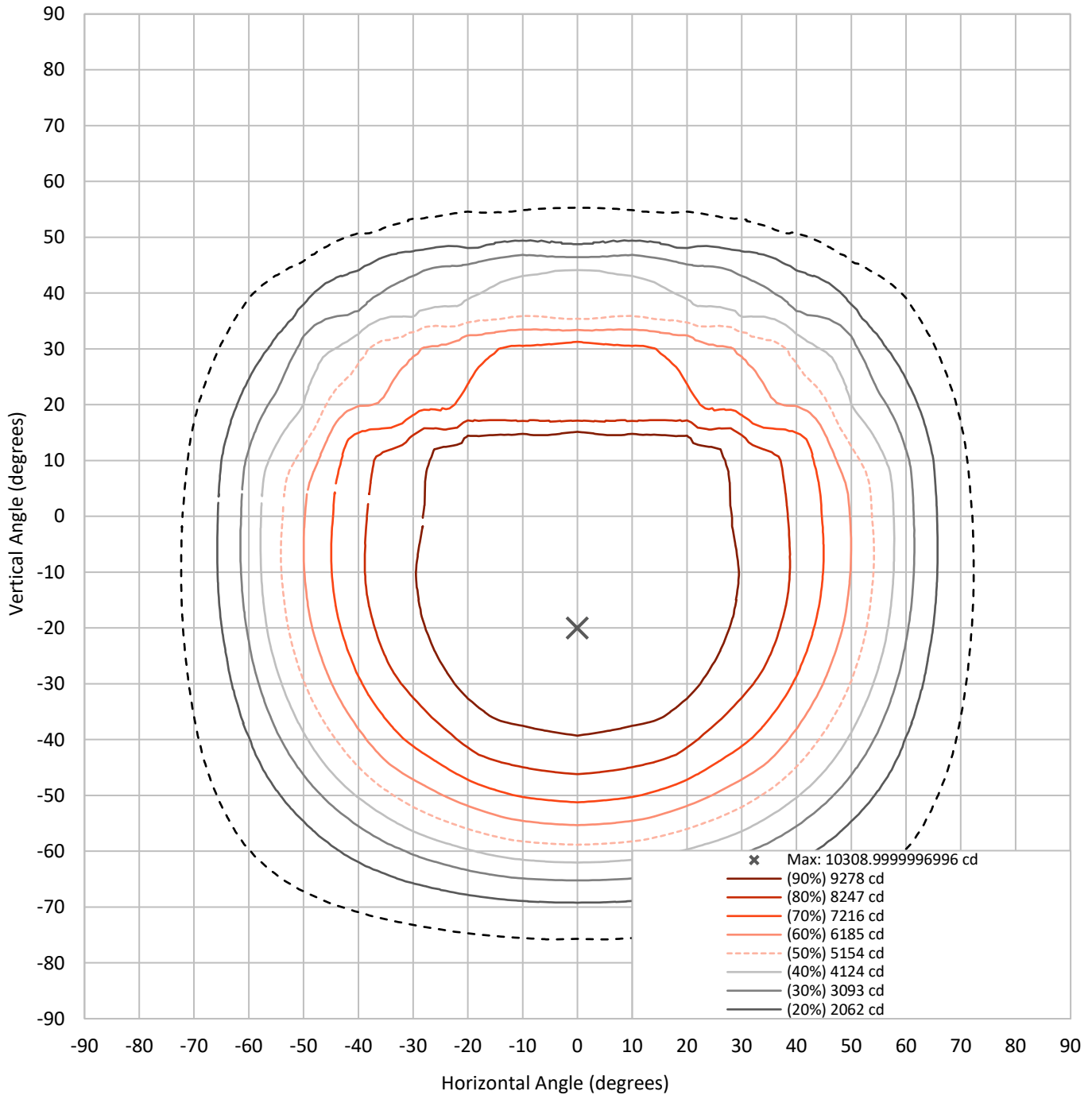
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	24172.5 lumens	Max Intensity:	10309 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	94.5 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	18896.6 lumens	Field Lumens:	23692.4 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	255.9		
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: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-U-LAM-VSR-XX

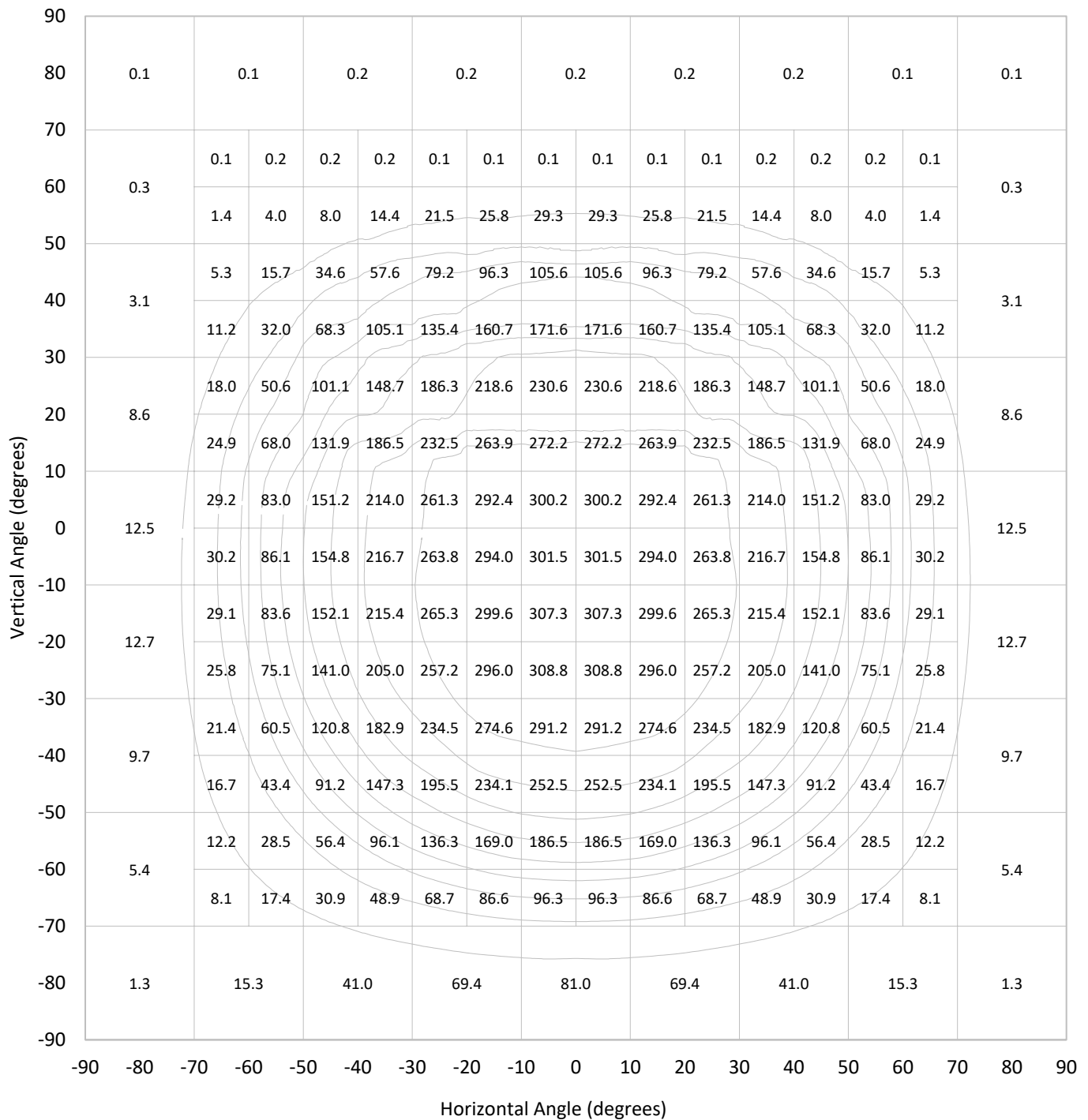
### Iso-Candela Plot





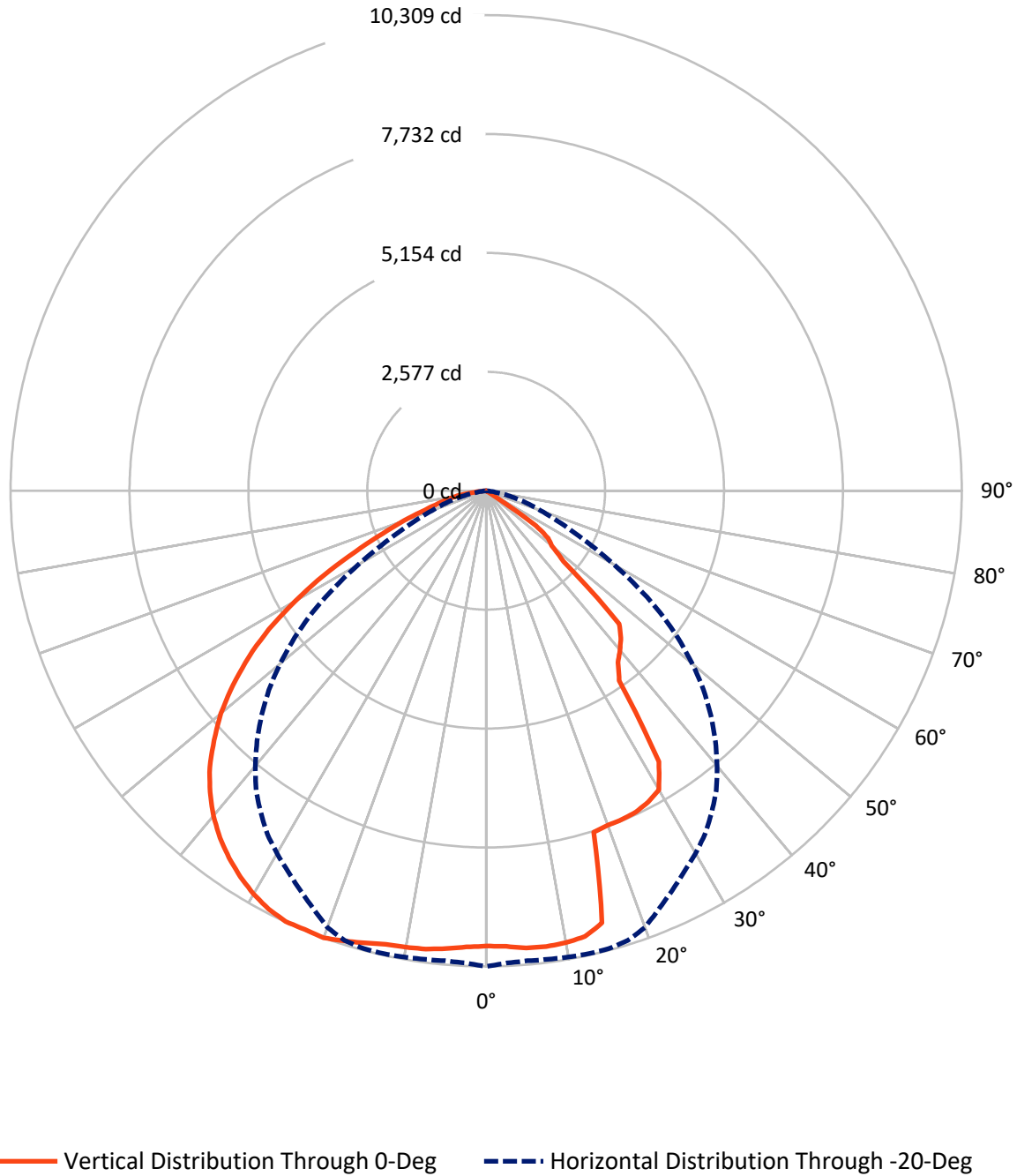
REPORT NUMBER: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-LAM-VSR-XX

### Lumen Table



REPORT NUMBER: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4E-740-U-LAM-VSR-XX

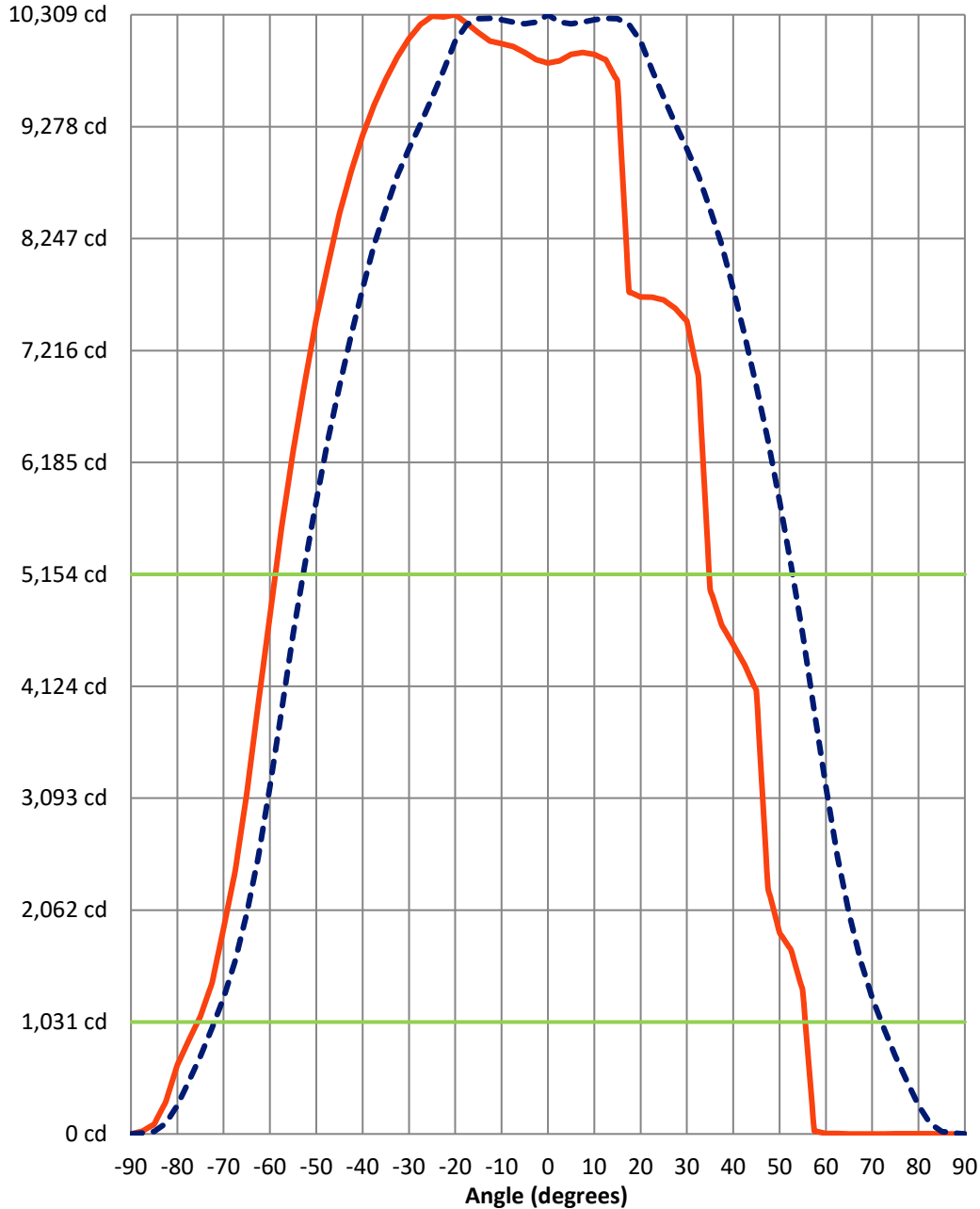
### Luminous Intensity Polar Plot





REPORT NUMBER: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-LAM-VSR-XX

### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 18896.6  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 23692.4  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 480  
 Efficiency: 2.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-Deg

Classified

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

Scaled Data Report



REPORT NUMBER: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4E-740-U-LAM-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	0.2	0.4	0.6	0.8	1.0	1.1	1.2	1.1	1.1	0.9
85°	0.0	0.5	0.8	1.1	1.5	1.9	2.3	2.3	2.3	2.1	1.9
82.5°	0.0	0.7	1.2	1.7	2.3	2.8	3.4	3.5	3.3	2.8	2.2
80°	0.0	1.0	1.5	2.3	3.0	3.8	4.4	3.9	3.4	2.8	2.3
77.5°	0.0	1.2	1.9	2.8	3.8	4.4	4.4	3.9	3.4	2.9	2.3
75°	0.0	1.4	2.3	3.4	4.4	4.6	4.5	4.0	3.4	2.9	2.4
72.5°	0.0	1.7	2.7	4.0	4.6	4.7	4.5	4.0	3.5	3.0	2.4
70°	0.0	1.9	3.1	4.4	4.8	4.9	4.6	4.1	3.5	3.1	3.5
67.5°	0.0	2.1	3.5	4.7	5.1	5.1	5.2	4.1	3.7	4.9	5.0
65°	0.0	2.4	3.9	4.9	5.3	5.8	5.9	4.2	5.8	6.9	8.6
62.5°	0.0	2.6	4.3	5.1	5.5	7.3	6.9	5.9	8.1	12.0	19.2
60°	0.0	2.8	4.7	5.3	5.8	8.8	8.1	8.3	10.6	30.5	33.3
57.5°	0.0	3.0	4.9	5.6	7.5	10.6	15.1	11.7	29.9	51.9	60.3
55°	0.0	3.3	5.2	5.8	9.3	12.5	24.0	19.0	55.5	80.1	97.6
52.5°	0.0	3.5	5.4	6.0	11.2	16.0	34.5	48.2	83.3	125.7	141.6
50°	0.0	3.7	5.7	6.3	13.3	27.3	46.4	81.4	119.1	176.4	221.3
47.5°	0.0	3.9	5.9	6.9	15.4	39.5	62.5	116.3	171.7	232.4	302.6
45°	0.0	4.1	6.2	8.5	17.5	52.5	94.2	152.7	230.4	302.9	381.6
42.5°	0.0	4.3	6.5	10.2	19.8	66.4	126.7	199.0	290.3	371.5	472.7
40°	0.0	4.5	6.8	12.4	26.7	81.1	159.9	251.6	351.9	438.9	570.1
37.5°	0.0	4.7	7.1	15.0	38.2	96.5	193.8	304.3	416.6	519.8	671.9
35°	0.0	4.9	7.3	17.9	49.8	119.9	228.2	357.0	482.2	619.1	792.3
32.5°	0.0	5.1	7.6	21.2	61.6	147.0	265.5	409.6	548.7	719.1	938.6
30°	0.0	5.2	7.9	24.7	73.5	173.9	308.2	462.6	615.7	819.3	1079.0
27.5°	0.0	5.4	8.2	28.4	88.2	200.5	350.0	517.8	689.4	919.3	1213.2
25°	0.0	5.6	8.5	32.3	103.3	226.7	390.8	572.4	772.6	1028.6	1341.1
22.5°	0.0	5.7	8.8	36.4	118.3	253.4	430.5	626.1	854.1	1137.8	1470.6
20°	0.0	5.8	9.1	40.6	133.2	282.0	468.8	678.7	933.5	1240.8	1596.9
17.5°	0.0	6.0	9.3	44.8	147.8	309.8	506.7	729.8	1010.3	1337.5	1719.3
15°	0.0	6.1	9.6	49.1	162.1	336.4	543.1	777.3	1084.1	1427.7	1836.9
12.5°	0.0	6.2	9.9	53.4	175.9	361.8	577.1	819.6	1143.0	1511.2	1948.8
10°	0.0	6.3	10.1	57.6	189.1	385.8	608.7	858.6	1187.0	1561.4	2040.0
7.5°	0.0	6.4	10.4	61.7	201.5	408.2	637.8	894.2	1224.4	1600.2	2093.1
5°	0.0	6.5	10.6	65.6	213.2	428.9	664.1	926.2	1255.5	1631.5	2136.3
2.5°	0.0	6.5	10.8	69.2	223.8	447.7	687.8	954.6	1280.9	1655.6	2169.4
0°	0.0	6.6	11.0	72.6	233.3	464.4	708.7	979.4	1300.7	1672.7	2192.1
-2.5°	0.0	7.0	12.7	77.3	242.2	475.0	719.1	993.8	1307.8	1694.3	2206.9
-5°	0.0	7.3	14.4	81.7	249.7	483.3	726.6	1004.4	1310.3	1708.3	2211.6
-7.5°	0.0	7.7	16.1	85.6	255.9	489.4	731.5	1011.0	1308.5	1714.0	2206.7
-10°	0.0	8.0	17.6	89.0	260.5	493.2	733.7	1013.5	1302.8	1710.6	2192.6
-12.5°	0.0	8.3	19.2	91.8	263.7	494.7	733.3	1011.8	1293.8	1696.8	2168.6
-15°	0.0	8.6	20.6	94.1	265.2	494.0	730.4	1005.8	1283.6	1669.9	2133.7
-17.5°	0.0	8.8	21.9	95.7	265.0	491.1	725.1	993.7	1271.1	1636.3	2088.2
-20°	0.0	9.0	23.1	96.7	263.1	485.9	716.8	976.4	1253.4	1596.2	2032.2

Classified

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

Scaled Data Report



REPORT NUMBER: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4E-740-U-LAM-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	9.2	24.2	97.0	259.3	478.4	704.8	955.6	1230.2	1550.0	1965.7
-25°	0.0	9.4	25.2	96.6	253.8	466.9	690.0	931.4	1201.6	1498.0	1888.6
-27.5°	0.0	9.5	26.0	95.4	246.4	452.6	672.5	904.0	1167.6	1447.6	1820.4
-30°	0.0	9.5	26.7	93.4	237.2	436.3	652.2	873.5	1130.3	1405.0	1747.5
-32.5°	0.0	9.6	27.2	90.7	226.4	418.0	629.2	845.2	1090.8	1355.8	1669.5
-35°	0.0	9.5	27.6	87.1	214.4	397.9	604.3	815.4	1048.1	1300.0	1586.8
-37.5°	0.0	9.5	27.8	82.8	201.2	377.6	577.6	782.5	1002.3	1237.7	1505.1
-40°	0.0	9.4	27.8	77.6	186.8	359.3	548.8	746.5	953.6	1178.9	1424.5
-42.5°	0.0	9.2	27.6	72.0	175.9	339.7	518.0	707.4	906.6	1116.7	1337.6
-45°	0.0	9.1	27.3	66.4	168.5	318.8	485.2	667.1	858.4	1050.3	1247.6
-47.5°	0.0	8.8	26.8	59.9	159.7	296.7	450.6	626.7	806.8	980.7	1169.8
-50°	0.0	8.6	26.2	57.8	149.6	273.4	421.7	584.3	749.8	916.9	1088.2
-52.5°	0.0	8.3	25.3	56.6	138.2	249.0	392.7	540.0	695.3	851.1	1004.6
-55°	0.0	7.9	24.3	54.9	125.5	230.5	362.6	495.1	640.6	783.6	930.4
-57.5°	0.0	7.5	23.1	52.5	111.7	211.8	331.4	459.5	583.9	718.8	854.5
-60°	0.0	7.1	21.8	49.5	97.2	191.3	299.8	420.1	527.3	653.4	778.7
-62.5°	0.0	6.7	20.5	46.0	90.3	169.2	270.8	377.3	474.9	586.2	704.5
-65°	0.0	6.2	19.0	42.0	82.4	145.6	239.8	332.9	419.3	518.7	628.5
-67.5°	0.0	5.6	17.5	37.4	73.6	125.9	206.9	288.8	360.9	448.3	546.4
-70°	0.0	5.1	15.8	32.5	64.0	110.2	172.2	243.7	308.5	374.6	459.1
-72.5°	0.0	4.5	14.1	28.6	53.7	93.3	145.6	197.6	255.2	313.7	372.9
-75°	0.0	3.9	12.2	24.9	42.7	75.3	119.0	159.2	200.9	251.9	303.5
-77.5°	0.0	3.3	10.3	21.0	35.3	56.5	91.1	123.0	156.2	192.1	233.0
-80°	0.0	2.7	8.3	16.9	28.5	43.0	62.2	86.2	111.9	139.7	169.5
-82.5°	0.0	2.0	6.3	12.8	21.6	32.5	45.7	55.3	66.8	86.4	107.5
-85°	0.0	1.3	4.2	8.6	14.5	21.8	30.6	37.0	43.6	50.4	57.5
-87.5°	0.0	0.7	2.1	4.3	7.3	10.9	15.4	18.5	21.8	25.2	28.8
-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: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-LAM-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°	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7	1.7
85°	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
75°	2.2	2.2	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2
72.5°	2.6	2.8	2.8	2.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2
70°	3.4	3.5	3.1	2.6	2.2	2.3	2.5	2.4	2.2	2.2	2.2
67.5°	4.2	3.7	3.2	3.0	3.0	3.3	3.2	2.7	2.2	2.2	2.3
65°	4.3	3.8	5.5	6.2	4.6	3.9	3.4	2.8	3.0	3.2	3.2
62.5°	6.6	8.2	10.5	18.6	13.9	4.0	7.3	8.5	6.3	5.2	5.6
60°	21.5	14.6	43.4	62.1	38.8	14.2	17.3	57.5	49.8	9.2	31.1
57.5°	45.2	62.0	114.2	116.3	80.4	55.5	161.4	186.5	141.1	82.3	125.9
55°	99.5	152.9	189.4	175.3	191.5	290.0	344.6	309.5	260.5	400.8	512.1
52.5°	194.4	248.9	261.2	299.9	429.4	493.3	472.7	505.5	655.6	814.2	848.6
50°	287.0	331.5	366.2	529.6	630.8	637.2	684.3	832.9	1033.1	1130.1	1106.7
47.5°	376.4	422.6	584.4	741.3	786.8	849.1	966.7	1253.6	1465.6	1469.7	1445.8
45°	471.1	594.3	800.9	903.2	977.0	1097.5	1381.4	1777.2	1797.8	1855.3	2209.0
42.5°	572.3	788.3	968.5	1074.9	1194.2	1419.1	1797.9	2057.6	2146.9	2398.6	2683.0
40°	736.2	975.7	1133.1	1269.2	1422.5	1750.6	2165.6	2408.8	2481.4	2699.3	2913.2
37.5°	902.5	1132.1	1308.5	1472.7	1685.2	2128.1	2608.2	2808.8	2845.5	2885.4	3359.2
35°	1062.7	1292.6	1503.8	1718.6	1979.1	2616.7	3036.3	3224.9	3219.2	3488.1	3984.3
32.5°	1212.5	1456.6	1705.9	1993.2	2423.1	3076.3	3496.0	3609.0	3780.3	4171.8	4849.0
30°	1362.0	1639.6	1925.8	2268.1	2812.7	3378.8	3858.0	4039.8	4333.3	4780.1	5272.9
27.5°	1516.0	1827.2	2173.3	2574.4	3120.1	3640.6	4049.9	4484.1	4769.3	5169.7	5520.2
25°	1669.4	2025.8	2417.7	2842.2	3339.9	3825.0	4248.3	4749.8	5056.0	5378.7	5705.8
22.5°	1830.3	2227.1	2669.7	3054.4	3525.2	3981.7	4485.7	5029.6	5427.8	5632.9	5852.5
20°	1998.5	2445.0	2917.0	3343.1	3708.1	4127.3	4724.0	5384.9	5898.9	6129.7	6159.9
17.5°	2164.2	2656.1	3163.6	3624.9	4018.5	4391.7	4974.3	5810.6	6449.7	6664.3	6759.7
15°	2325.9	2859.1	3408.9	3899.1	4331.2	4787.5	5409.7	6260.1	6990.8	7228.3	7378.4
12.5°	2481.9	3052.7	3650.1	4164.2	4644.2	5156.0	5805.0	6583.5	7250.5	7709.8	7985.3
10°	2630.6	3235.5	3884.2	4418.7	4953.5	5497.7	6132.2	6824.5	7367.4	7810.4	8201.5
7.5°	2705.5	3355.0	4085.4	4660.9	5255.1	5813.5	6400.1	6994.3	7451.6	7886.1	8264.2
5°	2756.5	3404.1	4148.2	4745.3	5415.3	6024.3	6593.7	7105.9	7506.6	7937.2	8306.6
2.5°	2792.9	3435.9	4190.8	4791.5	5475.5	6089.0	6649.5	7143.2	7552.0	7973.8	8352.1
0°	2814.9	3451.0	4212.5	4819.9	5513.2	6131.7	6681.9	7157.3	7582.1	7991.4	8398.6
-2.5°	2827.3	3497.2	4226.9	4892.9	5549.6	6168.4	6727.2	7191.3	7635.2	8024.7	8432.9
-5°	2825.8	3524.7	4223.1	4942.0	5567.1	6182.7	6749.9	7206.6	7664.0	8049.6	8446.8
-7.5°	2810.5	3531.1	4204.1	4957.4	5567.8	6177.9	6739.9	7214.0	7663.5	8072.5	8448.2
-10°	2783.1	3506.2	4186.5	4917.6	5546.4	6152.8	6709.5	7197.8	7645.6	8067.9	8440.9
-12.5°	2750.9	3454.7	4149.8	4860.4	5503.0	6106.0	6663.3	7156.6	7612.1	8033.4	8424.0
-15°	2702.4	3386.3	4089.5	4787.7	5436.9	6037.9	6603.4	7089.3	7560.5	7973.0	8374.1
-17.5°	2637.4	3301.5	4004.7	4701.3	5348.0	5949.1	6526.4	7000.5	7469.4	7895.7	8282.7
-20°	2555.4	3201.0	3894.5	4603.3	5235.0	5829.8	6389.1	6885.6	7351.5	7785.0	8191.8



REPORT NUMBER: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2456.3	3085.4	3761.8	4470.9	5094.1	5682.1	6234.8	6739.3	7221.9	7641.3	8074.7
-25°	2357.1	2963.3	3615.1	4287.6	4930.3	5515.9	6070.2	6561.7	7055.0	7491.1	7902.8
-27.5°	2262.0	2821.6	3444.8	4085.8	4744.7	5327.5	5876.8	6368.7	6847.6	7324.5	7720.9
-30°	2155.2	2657.7	3258.1	3870.4	4512.8	5106.1	5659.5	6169.9	6625.7	7096.6	7522.2
-32.5°	2037.5	2483.9	3061.0	3650.0	4255.7	4862.2	5410.4	5917.4	6391.5	6836.9	7283.7
-35°	1922.3	2343.5	2852.1	3413.3	3983.3	4578.3	5126.9	5629.1	6121.1	6562.3	6989.2
-37.5°	1818.7	2191.5	2630.0	3166.1	3710.9	4273.6	4831.6	5317.7	5786.0	6271.0	6687.3
-40°	1706.7	2028.2	2437.7	2911.6	3425.0	3960.2	4494.5	4997.3	5437.5	5916.8	6374.7
-42.5°	1589.3	1895.3	2248.0	2642.2	3126.8	3631.4	4147.1	4638.9	5096.1	5548.3	6002.0
-45°	1486.5	1754.5	2054.9	2415.1	2809.7	3284.3	3772.6	4262.8	4701.5	5132.5	5580.6
-47.5°	1377.2	1613.1	1890.9	2178.5	2521.5	2918.3	3377.5	3829.7	4278.7	4688.8	5085.4
-50°	1268.3	1485.7	1714.0	1972.9	2256.0	2577.7	2959.0	3379.4	3789.6	4210.6	4603.4
-52.5°	1174.5	1351.8	1558.1	1774.2	2016.5	2282.6	2588.2	2933.4	3306.5	3663.7	4055.6
-55°	1077.1	1236.9	1403.4	1593.7	1795.4	2019.9	2270.4	2560.6	2845.3	3175.7	3495.6
-57.5°	988.3	1123.1	1265.1	1422.2	1597.4	1777.1	1996.0	2221.8	2480.1	2736.9	2990.2
-60°	904.6	1014.7	1135.2	1268.2	1409.1	1569.0	1732.4	1926.3	2134.3	2339.3	2554.2
-62.5°	820.2	912.8	1011.0	1121.5	1244.3	1365.2	1504.7	1654.1	1807.1	1980.9	2150.4
-65°	733.5	808.3	891.6	983.2	1081.1	1184.1	1291.3	1402.0	1532.2	1659.5	1782.7
-67.5°	641.3	705.4	772.7	844.9	927.0	1007.9	1088.6	1182.0	1277.9	1372.2	1469.8
-70°	539.2	599.6	655.7	714.2	775.3	838.6	907.6	976.1	1043.7	1114.3	1192.7
-72.5°	435.3	490.9	540.3	583.5	633.6	686.2	736.6	784.7	835.7	889.3	942.4
-75°	347.2	383.9	428.0	468.3	508.2	545.2	578.4	619.2	661.8	700.8	732.8
-77.5°	271.0	304.4	334.6	361.6	393.3	430.4	462.8	490.6	517.6	547.1	578.3
-80°	197.1	224.8	252.3	277.3	295.6	316.6	341.5	369.8	394.5	414.5	432.7
-82.5°	127.3	147.3	167.7	188.5	197.0	202.8	208.3	218.2	233.4	248.4	262.8
-85°	63.4	69.2	81.7	94.5	98.9	102.0	104.2	105.3	110.5	115.3	119.4
-87.5°	31.7	34.6	37.5	40.4	38.9	36.8	34.2	31.2	30.4	29.5	28.4
-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: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-LAM-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°	1.8	1.9	1.9	2.0	2.0	1.5	1.0	0.5	0.0	0.0	0.0
85°	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.0	2.1	1.6	1.1
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
72.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
70°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
67.5°	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.9	1.4
65°	3.1	3.0	3.2	3.1	2.7	2.6	2.7	2.7	2.4	1.9	1.3
62.5°	5.5	6.2	4.9	4.9	4.8	4.6	4.4	4.2	3.9	3.7	3.9
60°	34.5	20.4	11.9	13.9	12.5	8.3	10.6	12.4	12.5	11.5	10.1
57.5°	191.3	142.9	105.8	252.5	253.3	120.9	145.6	229.0	188.6	61.9	57.5
55°	532.2	636.5	837.8	795.7	808.7	930.1	1015.6	899.1	881.4	939.2	1085.0
52.5°	956.1	1055.6	1123.3	1186.6	1263.7	1346.5	1431.8	1486.1	1536.9	1590.9	1623.1
50°	1221.0	1361.1	1457.4	1422.0	1621.4	1702.9	1620.1	1694.2	1784.5	1809.3	1820.9
47.5°	1802.8	2008.4	2049.2	2181.6	2300.6	2298.0	2197.0	2202.9	2471.8	2709.0	2825.5
45°	2590.9	2597.9	2727.2	2961.0	3128.2	3075.6	3216.6	3537.3	3644.1	3747.3	3831.9
42.5°	2897.9	3025.2	3231.4	3438.2	3562.8	3670.9	3775.3	3893.2	4031.8	4144.2	4234.0
40°	3195.2	3297.7	3509.0	3675.5	3778.7	3879.6	4001.3	4131.9	4258.7	4357.4	4424.9
37.5°	3652.8	3732.3	3783.7	3938.3	4133.5	4043.3	4274.3	4439.8	4515.5	4615.8	4624.8
35°	4345.1	4292.2	4223.7	4839.0	4875.8	4668.0	4883.9	5140.6	5005.3	5287.1	5438.6
32.5°	4958.8	4950.8	5487.9	5811.4	5625.3	5777.2	6275.0	6252.9	6584.7	6738.7	6694.8
30°	5536.9	5734.2	6044.8	6285.7	6318.0	6557.5	6778.6	6972.3	7172.6	7352.1	7364.5
27.5°	5830.4	6087.9	6298.7	6438.1	6593.7	6795.3	6995.9	7214.0	7384.3	7496.9	7524.4
25°	6008.0	6271.0	6430.6	6580.7	6752.4	6926.3	7151.0	7388.5	7525.3	7594.8	7617.0
22.5°	6164.5	6400.8	6572.5	6694.3	6879.0	7066.2	7275.6	7476.6	7625.3	7655.6	7666.7
20°	6315.2	6542.2	6828.9	7008.2	6999.3	7210.0	7411.8	7571.7	7695.7	7695.0	7697.9
17.5°	6751.1	6832.1	7352.4	7747.3	7551.8	7448.6	8003.6	8014.1	8047.0	7981.5	7839.5
15°	7396.4	7544.0	8183.1	8611.2	8476.5	8469.4	9270.9	9072.2	9243.2	9198.5	9391.0
12.5°	8080.1	8254.8	8732.4	9152.8	9353.1	9402.4	9670.1	9921.0	9972.5	9952.2	9914.3
10°	8545.8	8794.7	8986.5	9241.7	9443.8	9649.9	9804.9	9985.1	10044.1	10010.0	9961.8
7.5°	8606.4	8852.5	9077.7	9301.6	9494.0	9660.1	9821.0	9967.6	10027.7	10007.8	9974.7
5°	8645.0	8867.9	9086.2	9313.4	9497.3	9651.2	9811.6	9960.2	9995.6	9971.7	9939.4
2.5°	8668.8	8875.1	9085.5	9311.7	9478.8	9625.3	9787.6	9946.2	9945.9	9935.4	9916.6
0°	8680.3	8887.2	9131.5	9336.2	9523.2	9661.9	9822.6	9976.6	9965.6	9937.0	9904.0
-2.5°	8705.0	8914.7	9164.0	9333.6	9544.5	9671.5	9837.6	9971.0	9965.8	9951.8	9935.4
-5°	8727.1	8962.8	9196.1	9374.5	9585.9	9752.0	9917.0	10021.3	10026.9	10007.3	9979.8
-7.5°	8740.5	9001.9	9224.4	9403.6	9608.6	9801.7	9969.1	10078.6	10081.0	10055.0	10022.0
-10°	8736.1	9012.0	9241.0	9426.2	9636.1	9826.9	10001.9	10140.7	10136.2	10111.4	10083.3
-12.5°	8719.6	8995.2	9230.3	9416.1	9654.5	9850.8	10047.7	10185.8	10193.1	10174.6	10144.2
-15°	8683.3	8967.8	9196.6	9399.4	9633.1	9862.6	10064.9	10217.2	10244.4	10229.2	10205.2
-17.5°	8611.6	8911.8	9154.5	9373.0	9597.3	9841.9	10072.0	10238.6	10275.7	10269.7	10249.7
-20°	8517.4	8827.2	9073.6	9302.6	9546.7	9798.7	10066.4	10218.7	10272.5	10276.0	10262.4



REPORT NUMBER: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8411.7	8715.0	8976.4	9201.5	9466.2	9721.3	9963.8	10142.0	10232.6	10249.4	10250.5
-25°	8285.0	8596.7	8856.3	9096.1	9342.2	9605.7	9850.7	10049.7	10141.5	10185.4	10199.0
-27.5°	8105.9	8428.0	8683.6	8936.9	9187.4	9459.5	9717.0	9933.4	10008.1	10068.4	10092.6
-30°	7896.1	8214.6	8475.2	8706.8	8993.4	9270.8	9536.6	9725.3	9838.0	9907.0	9944.7
-32.5°	7654.8	7976.4	8249.8	8491.7	8764.1	9041.4	9291.5	9490.6	9645.9	9725.5	9765.8
-35°	7393.2	7721.5	8007.8	8262.6	8519.0	8783.4	9042.5	9250.8	9427.7	9496.1	9546.6
-37.5°	7077.6	7439.9	7733.3	7996.2	8239.8	8488.3	8758.1	8996.3	9168.1	9234.5	9287.7
-40°	6754.1	7104.1	7400.2	7680.5	7921.4	8192.8	8452.7	8702.3	8851.3	8928.7	8989.0
-42.5°	6412.5	6728.7	7010.2	7282.6	7550.8	7830.2	8089.9	8349.3	8478.2	8571.5	8645.4
-45°	6018.2	6312.5	6586.0	6840.9	7117.3	7392.0	7651.9	7881.2	8034.6	8156.0	8250.4
-47.5°	5492.5	5851.0	6125.6	6368.0	6642.1	6907.1	7159.0	7374.6	7542.8	7684.8	7794.5
-50°	4958.6	5302.6	5612.4	5884.7	6139.0	6384.0	6623.8	6834.7	7012.7	7166.6	7277.7
-52.5°	4432.8	4755.1	5062.5	5343.6	5588.0	5819.4	6038.7	6250.9	6438.6	6603.2	6710.7
-55°	3838.6	4172.6	4476.6	4738.7	4983.0	5211.7	5428.2	5629.4	5814.3	5981.8	6084.8
-57.5°	3281.3	3574.2	3857.1	4099.1	4329.6	4547.5	4752.8	4945.4	5123.2	5280.9	5380.2
-60°	2769.0	2982.5	3226.0	3449.4	3653.8	3839.1	4030.7	4210.3	4373.7	4512.4	4604.9
-62.5°	2316.2	2493.2	2668.9	2838.8	3004.5	3171.1	3331.5	3480.4	3617.0	3730.6	3811.7
-65°	1912.7	2054.9	2182.1	2302.5	2417.3	2548.7	2670.6	2785.3	2891.4	2978.5	3040.3
-67.5°	1575.0	1674.9	1762.8	1845.5	1936.0	2028.8	2115.8	2191.6	2256.5	2308.1	2348.9
-70°	1270.0	1343.6	1409.9	1475.8	1541.9	1602.3	1659.8	1715.6	1768.6	1811.8	1844.2
-72.5°	994.6	1044.8	1090.0	1140.8	1188.3	1234.1	1274.0	1306.2	1331.1	1355.4	1376.7
-75°	758.3	796.0	846.9	889.9	925.5	956.9	985.7	1011.3	1033.9	1053.9	1071.5
-77.5°	609.9	641.9	674.3	705.8	736.1	758.6	779.6	800.5	821.0	838.8	854.4
-80°	452.1	476.0	501.0	526.1	551.3	563.7	573.7	582.8	591.0	601.6	611.4
-82.5°	276.4	290.0	303.9	318.0	332.0	335.5	336.7	336.4	334.5	330.7	324.9
-85°	123.0	123.7	123.4	122.0	119.6	114.7	108.8	101.9	94.1	92.9	91.5
-87.5°	27.1	26.5	25.7	24.9	23.9	23.9	23.8	23.6	23.4	24.2	24.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-LAM-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	0.5
85°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.0
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
72.5°	2.2	2.2	1.2	0.0	1.2	2.2	2.2	2.2	2.2	2.2	2.2
70°	2.2	2.2	1.2	0.0	1.2	2.2	2.2	2.2	2.2	2.2	2.2
67.5°	0.8	0.2	0.0	0.0	0.0	0.2	0.8	1.4	1.9	2.2	2.2
65°	0.7	0.1	0.0	0.0	0.0	0.1	0.7	1.3	1.9	2.4	2.7
62.5°	4.0	4.2	4.4	4.4	4.4	4.2	4.0	3.9	3.7	3.9	4.2
60°	8.0	5.2	4.4	4.4	4.4	5.2	8.0	10.1	11.5	12.5	12.4
57.5°	48.6	36.3	30.8	28.6	30.8	36.3	48.6	57.5	61.9	188.6	229.0
55°	1189.4	1249.9	1295.2	1316.1	1295.2	1249.9	1189.4	1085.0	939.2	881.4	899.1
52.5°	1651.5	1677.8	1693.0	1692.5	1693.0	1677.8	1651.5	1623.1	1590.9	1536.9	1486.1
50°	1840.8	1853.6	1858.2	1855.3	1858.2	1853.6	1840.8	1820.9	1809.3	1784.5	1694.2
47.5°	2719.0	2483.7	2310.6	2269.1	2310.6	2483.7	2719.0	2825.5	2709.0	2471.8	2202.9
45°	3872.5	3961.7	4050.6	4078.2	4050.6	3961.7	3872.5	3831.9	3747.3	3644.1	3537.3
42.5°	4271.9	4301.0	4317.4	4318.1	4317.4	4301.0	4271.9	4234.0	4144.2	4031.8	3893.2
40°	4462.6	4490.0	4505.9	4507.4	4505.9	4490.0	4462.6	4424.9	4357.4	4258.7	4131.9
37.5°	4635.8	4659.1	4674.5	4690.1	4674.5	4659.1	4635.8	4624.8	4615.8	4515.5	4439.8
35°	5418.2	5240.9	4986.0	5024.6	4986.0	5240.9	5418.2	5438.6	5287.1	5005.3	5140.6
32.5°	6763.4	6837.9	6884.4	6963.6	6884.4	6837.9	6763.4	6694.8	6738.7	6584.7	6252.9
30°	7384.1	7408.7	7446.0	7485.2	7446.0	7408.7	7384.1	7364.5	7352.1	7172.6	6972.3
27.5°	7539.0	7564.5	7587.2	7604.1	7587.2	7564.5	7539.0	7524.4	7496.9	7384.3	7214.0
25°	7620.1	7635.9	7660.0	7681.1	7660.0	7635.9	7620.1	7617.0	7594.8	7525.3	7388.5
22.5°	7660.3	7662.0	7680.8	7707.5	7680.8	7662.0	7660.3	7666.7	7655.6	7625.3	7476.6
20°	7687.9	7673.0	7692.4	7709.7	7692.4	7673.0	7687.9	7697.9	7695.0	7695.7	7571.7
17.5°	8039.8	7839.0	7756.5	7758.1	7756.5	7839.0	8039.8	7839.5	7981.5	8047.0	8014.1
15°	9174.9	9250.2	9538.9	9694.9	9538.9	9250.2	9174.9	9391.0	9198.5	9243.2	9072.2
12.5°	9907.4	9880.6	9846.3	9893.0	9846.3	9880.6	9907.4	9914.3	9952.2	9972.5	9921.0
10°	9941.3	9938.2	9877.1	9943.6	9877.1	9938.2	9941.3	9961.8	10010.0	10044.1	9985.1
7.5°	9920.5	9922.3	9896.3	9961.2	9896.3	9922.3	9920.5	9974.7	10007.8	10027.7	9967.6
5°	9934.2	9889.5	9906.5	9943.6	9906.5	9889.5	9934.2	9939.4	9971.7	9995.6	9960.2
2.5°	9895.8	9891.2	9858.2	9884.2	9858.2	9891.2	9895.8	9916.6	9935.4	9945.9	9946.2
0°	9866.6	9842.4	9842.4	9864.4	9842.4	9842.4	9866.6	9904.0	9937.0	9965.6	9976.6
-2.5°	9918.6	9913.6	9910.4	9895.2	9910.4	9913.6	9918.6	9935.4	9951.8	9965.8	9971.0
-5°	9961.4	9948.3	9912.3	9961.2	9912.3	9948.3	9961.4	9979.8	10007.3	10026.9	10021.3
-7.5°	10007.4	9974.0	9939.8	10016.2	9939.8	9974.0	10007.4	10022.0	10055.0	10081.0	10078.6
-10°	10049.4	10001.1	9967.9	10042.6	9967.9	10001.1	10049.4	10083.3	10111.4	10136.2	10140.7
-12.5°	10105.0	10048.6	10026.3	10066.9	10026.3	10048.6	10105.0	10144.2	10174.6	10193.1	10185.8
-15°	10164.3	10125.2	10120.0	10143.9	10120.0	10125.2	10164.3	10205.2	10229.2	10244.4	10217.2
-17.5°	10216.3	10188.9	10202.5	10229.7	10202.5	10188.9	10216.3	10249.7	10269.7	10275.7	10238.6
-20°	10241.2	10225.8	10241.1	10309.0	10241.1	10225.8	10241.2	10262.4	10276.0	10272.5	10218.7



REPORT NUMBER: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	10239.1	10240.0	10267.0	10289.1	10267.0	10240.0	10239.1	10250.5	10249.4	10232.6	10142.0
-25°	10200.0	10220.6	10251.5	10295.7	10251.5	10220.6	10200.0	10199.0	10185.4	10141.5	10049.7
-27.5°	10105.8	10140.0	10172.3	10218.7	10172.3	10140.0	10105.8	10092.6	10068.4	10008.1	9933.4
-30°	9969.5	10010.2	10039.0	10088.9	10039.0	10010.2	9969.5	9944.7	9907.0	9838.0	9725.3
-32.5°	9803.8	9849.8	9883.9	9919.4	9883.9	9849.8	9803.8	9765.8	9725.5	9645.9	9490.6
-35°	9596.5	9646.1	9682.3	9714.7	9682.3	9646.1	9596.5	9546.6	9496.1	9427.7	9250.8
-37.5°	9347.5	9400.9	9442.2	9479.2	9442.2	9400.9	9347.5	9287.7	9234.5	9168.1	8996.3
-40°	9057.4	9112.2	9156.2	9197.5	9156.2	9112.2	9057.4	8989.0	8928.7	8851.3	8702.3
-42.5°	8718.2	8773.6	8819.0	8860.8	8819.0	8773.6	8718.2	8645.4	8571.5	8478.2	8349.3
-45°	8326.5	8383.5	8431.5	8475.6	8431.5	8383.5	8326.5	8250.4	8156.0	8034.6	7881.2
-47.5°	7875.4	7936.3	7977.4	7998.0	7977.4	7936.3	7875.4	7794.5	7684.8	7542.8	7374.6
-50°	7358.3	7419.2	7468.6	7505.0	7468.6	7419.2	7358.3	7277.7	7166.6	7012.7	6834.7
-52.5°	6789.1	6847.1	6889.5	6915.2	6889.5	6847.1	6789.1	6710.7	6603.2	6438.6	6250.9
-55°	6165.9	6226.6	6266.8	6285.7	6266.8	6226.6	6165.9	6084.8	5981.8	5814.3	5629.4
-57.5°	5459.0	5516.6	5559.5	5583.6	5559.5	5516.6	5459.0	5380.2	5280.9	5123.2	4945.4
-60°	4677.0	4728.6	4761.0	4773.7	4761.0	4728.6	4677.0	4604.9	4512.4	4373.7	4210.3
-62.5°	3877.1	3925.9	3956.4	3968.2	3956.4	3925.9	3877.1	3811.7	3730.6	3617.0	3480.4
-65°	3086.3	3116.9	3133.9	3136.3	3133.9	3116.9	3086.3	3040.3	2978.5	2891.4	2785.3
-67.5°	2381.0	2404.3	2418.4	2423.2	2418.4	2404.3	2381.0	2348.9	2308.1	2256.5	2191.6
-70°	1868.3	1884.4	1893.4	1895.0	1893.4	1884.4	1868.3	1844.2	1811.8	1768.6	1715.6
-72.5°	1392.9	1404.5	1400.4	1391.0	1400.4	1404.5	1392.9	1376.7	1355.4	1331.1	1306.2
-75°	1086.6	1099.2	1094.0	1085.0	1094.0	1099.2	1086.6	1071.5	1053.9	1033.9	1011.3
-77.5°	868.1	879.6	873.9	864.9	873.9	879.6	868.1	854.4	838.8	821.0	800.5
-80°	619.9	626.7	631.5	633.9	631.5	626.7	619.9	611.4	601.6	591.0	582.8
-82.5°	317.3	308.0	302.1	294.9	302.1	308.0	317.3	324.9	330.7	334.5	336.4
-85°	89.7	87.6	89.0	90.2	89.0	87.6	89.7	91.5	92.9	94.1	101.9
-87.5°	25.6	26.3	26.4	26.4	26.4	26.3	25.6	24.9	24.2	23.4	23.6
-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: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-LAM-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°	1.0	1.5	2.0	2.0	1.9	1.9	1.8	1.7	1.7	1.6	1.6
85°	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
72.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
70°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4
67.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.2	2.2	2.7
65°	2.7	2.6	2.7	3.1	3.2	3.0	3.1	3.2	3.2	3.0	2.8
62.5°	4.4	4.6	4.8	4.9	4.9	6.2	5.5	5.6	5.2	6.3	8.5
60°	10.6	8.3	12.5	13.9	11.9	20.4	34.5	31.1	9.2	49.8	57.5
57.5°	145.6	120.9	253.3	252.5	105.8	142.9	191.3	125.9	82.3	141.1	186.5
55°	1015.6	930.1	808.7	795.7	837.8	636.5	532.2	512.1	400.8	260.5	309.5
52.5°	1431.8	1346.5	1263.7	1186.6	1123.3	1055.6	956.1	848.6	814.2	655.6	505.5
50°	1620.1	1702.9	1621.4	1422.0	1457.4	1361.1	1221.0	1106.7	1130.1	1033.1	832.9
47.5°	2197.0	2298.0	2300.6	2181.6	2049.2	2008.4	1802.8	1445.8	1469.7	1465.6	1253.6
45°	3216.6	3075.6	3128.2	2961.0	2727.2	2597.9	2590.9	2209.0	1855.3	1797.8	1777.2
42.5°	3775.3	3670.9	3562.8	3438.2	3231.4	3025.2	2897.9	2683.0	2398.6	2146.9	2057.6
40°	4001.3	3879.6	3778.7	3675.5	3509.0	3297.7	3195.2	2913.2	2699.3	2481.4	2408.8
37.5°	4274.3	4043.3	4133.5	3938.3	3783.7	3732.3	3652.8	3359.2	2885.4	2845.5	2808.8
35°	4883.9	4668.0	4875.8	4839.0	4223.7	4292.2	4345.1	3984.3	3488.1	3219.2	3224.9
32.5°	6275.0	5777.2	5625.3	5811.4	5487.9	4950.8	4958.8	4849.0	4171.8	3780.3	3609.0
30°	6778.6	6557.5	6318.0	6285.7	6044.8	5734.2	5536.9	5272.9	4780.1	4333.3	4039.8
27.5°	6995.9	6795.3	6593.7	6438.1	6298.7	6087.9	5830.4	5520.2	5169.7	4769.3	4484.1
25°	7151.0	6926.3	6752.4	6580.7	6430.6	6271.0	6008.0	5705.8	5378.7	5056.0	4749.8
22.5°	7275.6	7066.2	6879.0	6694.3	6572.5	6400.8	6164.5	5852.5	5632.9	5427.8	5029.6
20°	7411.8	7210.0	6999.3	7008.2	6828.9	6542.2	6315.2	6159.9	6129.7	5898.9	5384.9
17.5°	8003.6	7448.6	7551.8	7747.3	7352.4	6832.1	6751.1	6759.7	6664.3	6449.7	5810.6
15°	9270.9	8469.4	8476.5	8611.2	8183.1	7544.0	7396.4	7378.4	7228.3	6990.8	6260.1
12.5°	9670.1	9402.4	9353.1	9152.8	8732.4	8254.8	8080.1	7985.3	7709.8	7250.5	6583.5
10°	9804.9	9649.9	9443.8	9241.7	8986.5	8794.7	8545.8	8201.5	7810.4	7367.4	6824.5
7.5°	9821.0	9660.1	9494.0	9301.6	9077.7	8852.5	8606.4	8264.2	7886.1	7451.6	6994.3
5°	9811.6	9651.2	9497.3	9313.4	9086.2	8867.9	8645.0	8306.6	7937.2	7506.6	7105.9
2.5°	9787.6	9625.3	9478.8	9311.7	9085.5	8875.1	8668.8	8352.1	7973.8	7552.0	7143.2
0°	9822.6	9661.9	9523.2	9336.2	9131.5	8887.2	8680.3	8398.6	7991.4	7582.1	7157.3
-2.5°	9837.6	9671.5	9544.5	9333.6	9164.0	8914.7	8705.0	8432.9	8024.7	7635.2	7191.3
-5°	9917.0	9752.0	9585.9	9374.5	9196.1	8962.8	8727.1	8446.8	8049.6	7664.0	7206.6
-7.5°	9969.1	9801.7	9608.6	9403.6	9224.4	9001.9	8740.5	8448.2	8072.5	7663.5	7214.0
-10°	10001.9	9826.9	9636.1	9426.2	9241.0	9012.0	8736.1	8440.9	8067.9	7645.6	7197.8
-12.5°	10047.7	9850.8	9654.5	9416.1	9230.3	8995.2	8719.6	8424.0	8033.4	7612.1	7156.6
-15°	10064.9	9862.6	9633.1	9399.4	9196.6	8967.8	8683.3	8374.1	7973.0	7560.5	7089.3
-17.5°	10072.0	9841.9	9597.3	9373.0	9154.5	8911.8	8611.6	8282.7	7895.7	7469.4	7000.5
-20°	10066.4	9798.7	9546.7	9302.6	9073.6	8827.2	8517.4	8191.8	7785.0	7351.5	6885.6



REPORT NUMBER: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9963.8	9721.3	9466.2	9201.5	8976.4	8715.0	8411.7	8074.7	7641.3	7221.9	6739.3
-25°	9850.7	9605.7	9342.2	9096.1	8856.3	8596.7	8285.0	7902.8	7491.1	7055.0	6561.7
-27.5°	9717.0	9459.5	9187.4	8936.9	8683.6	8428.0	8105.9	7720.9	7324.5	6847.6	6368.7
-30°	9536.6	9270.8	8993.4	8706.8	8475.2	8214.6	7896.1	7522.2	7096.6	6625.7	6169.9
-32.5°	9291.5	9041.4	8764.1	8491.7	8249.8	7976.4	7654.8	7283.7	6836.9	6391.5	5917.4
-35°	9042.5	8783.4	8519.0	8262.6	8007.8	7721.5	7393.2	6989.2	6562.3	6121.1	5629.1
-37.5°	8758.1	8488.3	8239.8	7996.2	7733.3	7439.9	7077.6	6687.3	6271.0	5786.0	5317.7
-40°	8452.7	8192.8	7921.4	7680.5	7400.2	7104.1	6754.1	6374.7	5916.8	5437.5	4997.3
-42.5°	8089.9	7830.2	7550.8	7282.6	7010.2	6728.7	6412.5	6002.0	5548.3	5096.1	4638.9
-45°	7651.9	7392.0	7117.3	6840.9	6586.0	6312.5	6018.2	5580.6	5132.5	4701.5	4262.8
-47.5°	7159.0	6907.1	6642.1	6368.0	6125.6	5851.0	5492.5	5085.4	4688.8	4278.7	3829.7
-50°	6623.8	6384.0	6139.0	5884.7	5612.4	5302.6	4958.6	4603.4	4210.6	3789.6	3379.4
-52.5°	6038.7	5819.4	5588.0	5343.6	5062.5	4755.1	4432.8	4055.6	3663.7	3306.5	2933.4
-55°	5428.2	5211.7	4983.0	4738.7	4476.6	4172.6	3838.6	3495.6	3175.7	2845.3	2560.6
-57.5°	4752.8	4547.5	4329.6	4099.1	3857.1	3574.2	3281.3	2990.2	2736.9	2480.1	2221.8
-60°	4030.7	3839.1	3653.8	3449.4	3226.0	2982.5	2769.0	2554.2	2339.3	2134.3	1926.3
-62.5°	3331.5	3171.1	3004.5	2838.8	2668.9	2493.2	2316.2	2150.4	1980.9	1807.1	1654.1
-65°	2670.6	2548.7	2417.3	2302.5	2182.1	2054.9	1912.7	1782.7	1659.5	1532.2	1402.0
-67.5°	2115.8	2028.8	1936.0	1845.5	1762.8	1674.9	1575.0	1469.8	1372.2	1277.9	1182.0
-70°	1659.8	1602.3	1541.9	1475.8	1409.9	1343.6	1270.0	1192.7	1114.3	1043.7	976.1
-72.5°	1274.0	1234.1	1188.3	1140.8	1090.0	1044.8	994.6	942.4	889.3	835.7	784.7
-75°	985.7	956.9	925.5	889.9	846.9	796.0	758.3	732.8	700.8	661.8	619.2
-77.5°	779.6	758.6	736.1	705.8	674.3	641.9	609.9	578.3	547.1	517.6	490.6
-80°	573.7	563.7	551.3	526.1	501.0	476.0	452.1	432.7	414.5	394.5	369.8
-82.5°	336.7	335.5	332.0	318.0	303.9	290.0	276.4	262.8	248.4	233.4	218.2
-85°	108.8	114.7	119.6	122.0	123.4	123.7	123.0	119.4	115.3	110.5	105.3
-87.5°	23.8	23.9	23.9	24.9	25.7	26.5	27.1	28.4	29.5	30.4	31.2
-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: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-LAM-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°	1.5	1.4	1.3	1.3	1.2	1.1	1.0	0.9	1.1	1.1	1.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.0	1.9	2.1	2.3	2.3
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.8	3.3	3.5
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.8	3.4	3.9
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.9	3.4	3.9
75°	2.2	2.2	2.2	2.3	2.3	2.2	2.2	2.4	2.9	3.4	4.0
72.5°	2.2	2.2	2.2	2.5	2.8	2.8	2.6	2.4	3.0	3.5	4.0
70°	2.5	2.3	2.2	2.6	3.1	3.5	3.4	3.5	3.1	3.5	4.1
67.5°	3.2	3.3	3.0	3.0	3.2	3.7	4.2	5.0	4.9	3.7	4.1
65°	3.4	3.9	4.6	6.2	5.5	3.8	4.3	8.6	6.9	5.8	4.2
62.5°	7.3	4.0	13.9	18.6	10.5	8.2	6.6	19.2	12.0	8.1	5.9
60°	17.3	14.2	38.8	62.1	43.4	14.6	21.5	33.3	30.5	10.6	8.3
57.5°	161.4	55.5	80.4	116.3	114.2	62.0	45.2	60.3	51.9	29.9	11.7
55°	344.6	290.0	191.5	175.3	189.4	152.9	99.5	97.6	80.1	55.5	19.0
52.5°	472.7	493.3	429.4	299.9	261.2	248.9	194.4	141.6	125.7	83.3	48.2
50°	684.3	637.2	630.8	529.6	366.2	331.5	287.0	221.3	176.4	119.1	81.4
47.5°	966.7	849.1	786.8	741.3	584.4	422.6	376.4	302.6	232.4	171.7	116.3
45°	1381.4	1097.5	977.0	903.2	800.9	594.3	471.1	381.6	302.9	230.4	152.7
42.5°	1797.9	1419.1	1194.2	1074.9	968.5	788.3	572.3	472.7	371.5	290.3	199.0
40°	2165.6	1750.6	1422.5	1269.2	1133.1	975.7	736.2	570.1	438.9	351.9	251.6
37.5°	2608.2	2128.1	1685.2	1472.7	1308.5	1132.1	902.5	671.9	519.8	416.6	304.3
35°	3036.3	2616.7	1979.1	1718.6	1503.8	1292.6	1062.7	792.3	619.1	482.2	357.0
32.5°	3496.0	3076.3	2423.1	1993.2	1705.9	1456.6	1212.5	938.6	719.1	548.7	409.6
30°	3858.0	3378.8	2812.7	2268.1	1925.8	1639.6	1362.0	1079.0	819.3	615.7	462.6
27.5°	4049.9	3640.6	3120.1	2574.4	2173.3	1827.2	1516.0	1213.2	919.3	689.4	517.8
25°	4248.3	3825.0	3339.9	2842.2	2417.7	2025.8	1669.4	1341.1	1028.6	772.6	572.4
22.5°	4485.7	3981.7	3525.2	3054.4	2669.7	2227.1	1830.3	1470.6	1137.8	854.1	626.1
20°	4724.0	4127.3	3708.1	3343.1	2917.0	2445.0	1998.5	1596.9	1240.8	933.5	678.7
17.5°	4974.3	4391.7	4018.5	3624.9	3163.6	2656.1	2164.2	1719.3	1337.5	1010.3	729.8
15°	5409.7	4787.5	4331.2	3899.1	3408.9	2859.1	2325.9	1836.9	1427.7	1084.1	777.3
12.5°	5805.0	5156.0	4644.2	4164.2	3650.1	3052.7	2481.9	1948.8	1511.2	1143.0	819.6
10°	6132.2	5497.7	4953.5	4418.7	3884.2	3235.5	2630.6	2040.0	1561.4	1187.0	858.6
7.5°	6400.1	5813.5	5255.1	4660.9	4085.4	3355.0	2705.5	2093.1	1600.2	1224.4	894.2
5°	6593.7	6024.3	5415.3	4745.3	4148.2	3404.1	2756.5	2136.3	1631.5	1255.5	926.2
2.5°	6649.5	6089.0	5475.5	4791.5	4190.8	3435.9	2792.9	2169.4	1655.6	1280.9	954.6
0°	6681.9	6131.7	5513.2	4819.9	4212.5	3451.0	2814.9	2192.1	1672.7	1300.7	979.4
-2.5°	6727.2	6168.4	5549.6	4892.9	4226.9	3497.2	2827.3	2206.9	1694.3	1307.8	993.8
-5°	6749.9	6182.7	5567.1	4942.0	4223.1	3524.7	2825.8	2211.6	1708.3	1310.3	1004.4
-7.5°	6739.9	6177.9	5567.8	4957.4	4204.1	3531.1	2810.5	2206.7	1714.0	1308.5	1011.0
-10°	6709.5	6152.8	5546.4	4917.6	4186.5	3506.2	2783.1	2192.6	1710.6	1302.8	1013.5
-12.5°	6663.3	6106.0	5503.0	4860.4	4149.8	3454.7	2750.9	2168.6	1696.8	1293.8	1011.8
-15°	6603.4	6037.9	5436.9	4787.7	4089.5	3386.3	2702.4	2133.7	1669.9	1283.6	1005.8
-17.5°	6526.4	5949.1	5348.0	4701.3	4004.7	3301.5	2637.4	2088.2	1636.3	1271.1	993.7
-20°	6389.1	5829.8	5235.0	4603.3	3894.5	3201.0	2555.4	2032.2	1596.2	1253.4	976.4



REPORT NUMBER: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6234.8	5682.1	5094.1	4470.9	3761.8	3085.4	2456.3	1965.7	1550.0	1230.2	955.6
-25°	6070.2	5515.9	4930.3	4287.6	3615.1	2963.3	2357.1	1888.6	1498.0	1201.6	931.4
-27.5°	5876.8	5327.5	4744.7	4085.8	3444.8	2821.6	2262.0	1820.4	1447.6	1167.6	904.0
-30°	5659.5	5106.1	4512.8	3870.4	3258.1	2657.7	2155.2	1747.5	1405.0	1130.3	873.5
-32.5°	5410.4	4862.2	4255.7	3650.0	3061.0	2483.9	2037.5	1669.5	1355.8	1090.8	845.2
-35°	5126.9	4578.3	3983.3	3413.3	2852.1	2343.5	1922.3	1586.8	1300.0	1048.1	815.4
-37.5°	4831.6	4273.6	3710.9	3166.1	2630.0	2191.5	1818.7	1505.1	1237.7	1002.3	782.5
-40°	4494.5	3960.2	3425.0	2911.6	2437.7	2028.2	1706.7	1424.5	1178.9	953.6	746.5
-42.5°	4147.1	3631.4	3126.8	2642.2	2248.0	1895.3	1589.3	1337.6	1116.7	906.6	707.4
-45°	3772.6	3284.3	2809.7	2415.1	2054.9	1754.5	1486.5	1247.6	1050.3	858.4	667.1
-47.5°	3377.5	2918.3	2521.5	2178.5	1890.9	1613.1	1377.2	1169.8	980.7	806.8	626.7
-50°	2959.0	2577.7	2256.0	1972.9	1714.0	1485.7	1268.3	1088.2	916.9	749.8	584.3
-52.5°	2588.2	2282.6	2016.5	1774.2	1558.1	1351.8	1174.5	1004.6	851.1	695.3	540.0
-55°	2270.4	2019.9	1795.4	1593.7	1403.4	1236.9	1077.1	930.4	783.6	640.6	495.1
-57.5°	1996.0	1777.1	1597.4	1422.2	1265.1	1123.1	988.3	854.5	718.8	583.9	459.5
-60°	1732.4	1569.0	1409.1	1268.2	1135.2	1014.7	904.6	778.7	653.4	527.3	420.1
-62.5°	1504.7	1365.2	1244.3	1121.5	1011.0	912.8	820.2	704.5	586.2	474.9	377.3
-65°	1291.3	1184.1	1081.1	983.2	891.6	808.3	733.5	628.5	518.7	419.3	332.9
-67.5°	1088.6	1007.9	927.0	844.9	772.7	705.4	641.3	546.4	448.3	360.9	288.8
-70°	907.6	838.6	775.3	714.2	655.7	599.6	539.2	459.1	374.6	308.5	243.7
-72.5°	736.6	686.2	633.6	583.5	540.3	490.9	435.3	372.9	313.7	255.2	197.6
-75°	578.4	545.2	508.2	468.3	428.0	383.9	347.2	303.5	251.9	200.9	159.2
-77.5°	462.8	430.4	393.3	361.6	334.6	304.4	271.0	233.0	192.1	156.2	123.0
-80°	341.5	316.6	295.6	277.3	252.3	224.8	197.1	169.5	139.7	111.9	86.2
-82.5°	208.3	202.8	197.0	188.5	167.7	147.3	127.3	107.5	86.4	66.8	55.3
-85°	104.2	102.0	98.9	94.5	81.7	69.2	63.4	57.5	50.4	43.6	37.0
-87.5°	34.2	36.8	38.9	40.4	37.5	34.6	31.7	28.8	25.2	21.8	18.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4E-740-U-LAM-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°	1.1	1.0	0.8	0.6	0.4	0.2	0.0
85°	2.3	1.9	1.5	1.1	0.8	0.5	0.0
82.5°	3.4	2.8	2.3	1.7	1.2	0.7	0.0
80°	4.4	3.8	3.0	2.3	1.5	1.0	0.0
77.5°	4.4	4.4	3.8	2.8	1.9	1.2	0.0
75°	4.5	4.6	4.4	3.4	2.3	1.4	0.0
72.5°	4.5	4.7	4.6	4.0	2.7	1.7	0.0
70°	4.6	4.9	4.8	4.4	3.1	1.9	0.0
67.5°	5.2	5.1	5.1	4.7	3.5	2.1	0.0
65°	5.9	5.8	5.3	4.9	3.9	2.4	0.0
62.5°	6.9	7.3	5.5	5.1	4.3	2.6	0.0
60°	8.1	8.8	5.8	5.3	4.7	2.8	0.0
57.5°	15.1	10.6	7.5	5.6	4.9	3.0	0.0
55°	24.0	12.5	9.3	5.8	5.2	3.3	0.0
52.5°	34.5	16.0	11.2	6.0	5.4	3.5	0.0
50°	46.4	27.3	13.3	6.3	5.7	3.7	0.0
47.5°	62.5	39.5	15.4	6.9	5.9	3.9	0.0
45°	94.2	52.5	17.5	8.5	6.2	4.1	0.0
42.5°	126.7	66.4	19.8	10.2	6.5	4.3	0.0
40°	159.9	81.1	26.7	12.4	6.8	4.5	0.0
37.5°	193.8	96.5	38.2	15.0	7.1	4.7	0.0
35°	228.2	119.9	49.8	17.9	7.3	4.9	0.0
32.5°	265.5	147.0	61.6	21.2	7.6	5.1	0.0
30°	308.2	173.9	73.5	24.7	7.9	5.2	0.0
27.5°	350.0	200.5	88.2	28.4	8.2	5.4	0.0
25°	390.8	226.7	103.3	32.3	8.5	5.6	0.0
22.5°	430.5	253.4	118.3	36.4	8.8	5.7	0.0
20°	468.8	282.0	133.2	40.6	9.1	5.8	0.0
17.5°	506.7	309.8	147.8	44.8	9.3	6.0	0.0
15°	543.1	336.4	162.1	49.1	9.6	6.1	0.0
12.5°	577.1	361.8	175.9	53.4	9.9	6.2	0.0
10°	608.7	385.8	189.1	57.6	10.1	6.3	0.0
7.5°	637.8	408.2	201.5	61.7	10.4	6.4	0.0
5°	664.1	428.9	213.2	65.6	10.6	6.5	0.0
2.5°	687.8	447.7	223.8	69.2	10.8	6.5	0.0
0°	708.7	464.4	233.3	72.6	11.0	6.6	0.0
-2.5°	719.1	475.0	242.2	77.3	12.7	7.0	0.0
-5°	726.6	483.3	249.7	81.7	14.4	7.3	0.0
-7.5°	731.5	489.4	255.9	85.6	16.1	7.7	0.0
-10°	733.7	493.2	260.5	89.0	17.6	8.0	0.0
-12.5°	733.3	494.7	263.7	91.8	19.2	8.3	0.0
-15°	730.4	494.0	265.2	94.1	20.6	8.6	0.0
-17.5°	725.1	491.1	265.0	95.7	21.9	8.8	0.0
-20°	716.8	485.9	263.1	96.7	23.1	9.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645495 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4E-740-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	704.8	478.4	259.3	97.0	24.2	9.2	0.0
-25°	690.0	466.9	253.8	96.6	25.2	9.4	0.0
-27.5°	672.5	452.6	246.4	95.4	26.0	9.5	0.0
-30°	652.2	436.3	237.2	93.4	26.7	9.5	0.0
-32.5°	629.2	418.0	226.4	90.7	27.2	9.6	0.0
-35°	604.3	397.9	214.4	87.1	27.6	9.5	0.0
-37.5°	577.6	377.6	201.2	82.8	27.8	9.5	0.0
-40°	548.8	359.3	186.8	77.6	27.8	9.4	0.0
-42.5°	518.0	339.7	175.9	72.0	27.6	9.2	0.0
-45°	485.2	318.8	168.5	66.4	27.3	9.1	0.0
-47.5°	450.6	296.7	159.7	59.9	26.8	8.8	0.0
-50°	421.7	273.4	149.6	57.8	26.2	8.6	0.0
-52.5°	392.7	249.0	138.2	56.6	25.3	8.3	0.0
-55°	362.6	230.5	125.5	54.9	24.3	7.9	0.0
-57.5°	331.4	211.8	111.7	52.5	23.1	7.5	0.0
-60°	299.8	191.3	97.2	49.5	21.8	7.1	0.0
-62.5°	270.8	169.2	90.3	46.0	20.5	6.7	0.0
-65°	239.8	145.6	82.4	42.0	19.0	6.2	0.0
-67.5°	206.9	125.9	73.6	37.4	17.5	5.6	0.0
-70°	172.2	110.2	64.0	32.5	15.8	5.1	0.0
-72.5°	145.6	93.3	53.7	28.6	14.1	4.5	0.0
-75°	119.0	75.3	42.7	24.9	12.2	3.9	0.0
-77.5°	91.1	56.5	35.3	21.0	10.3	3.3	0.0
-80°	62.2	43.0	28.5	16.9	8.3	2.7	0.0
-82.5°	45.7	32.5	21.6	12.8	6.3	2.0	0.0
-85°	30.6	21.8	14.5	8.6	4.2	1.3	0.0
-87.5°	15.4	10.9	7.3	4.3	2.1	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)