

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: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3E-740-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645447 (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-SA3E-740-U-LAM-VSR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

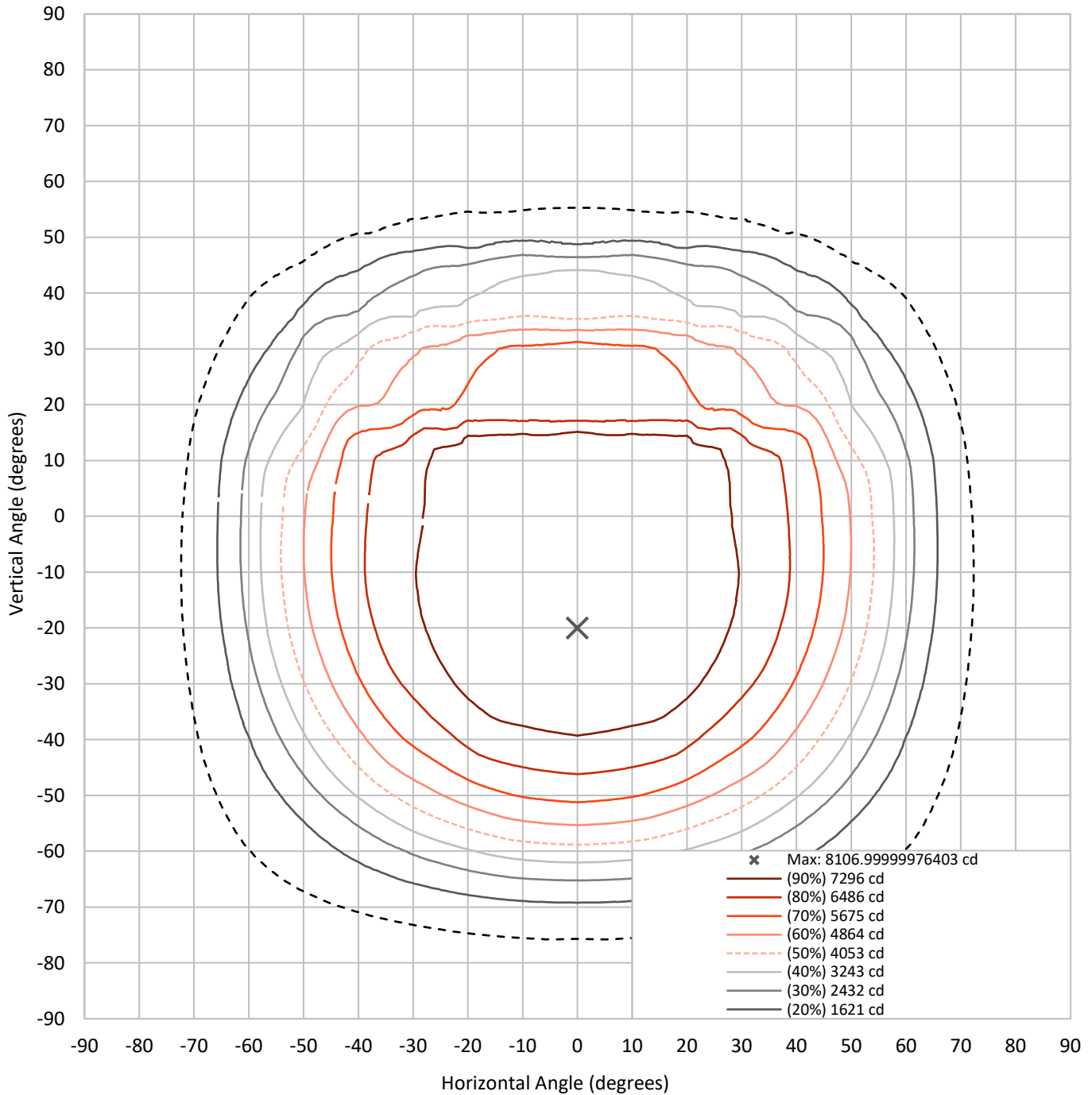
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	19009.3 lumens	Max Intensity:	8107 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	102.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	14860.4 lumens	Field Lumens:	18631.8 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	185.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



REPORT NUMBER: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-740-U-LAM-VSR-XX

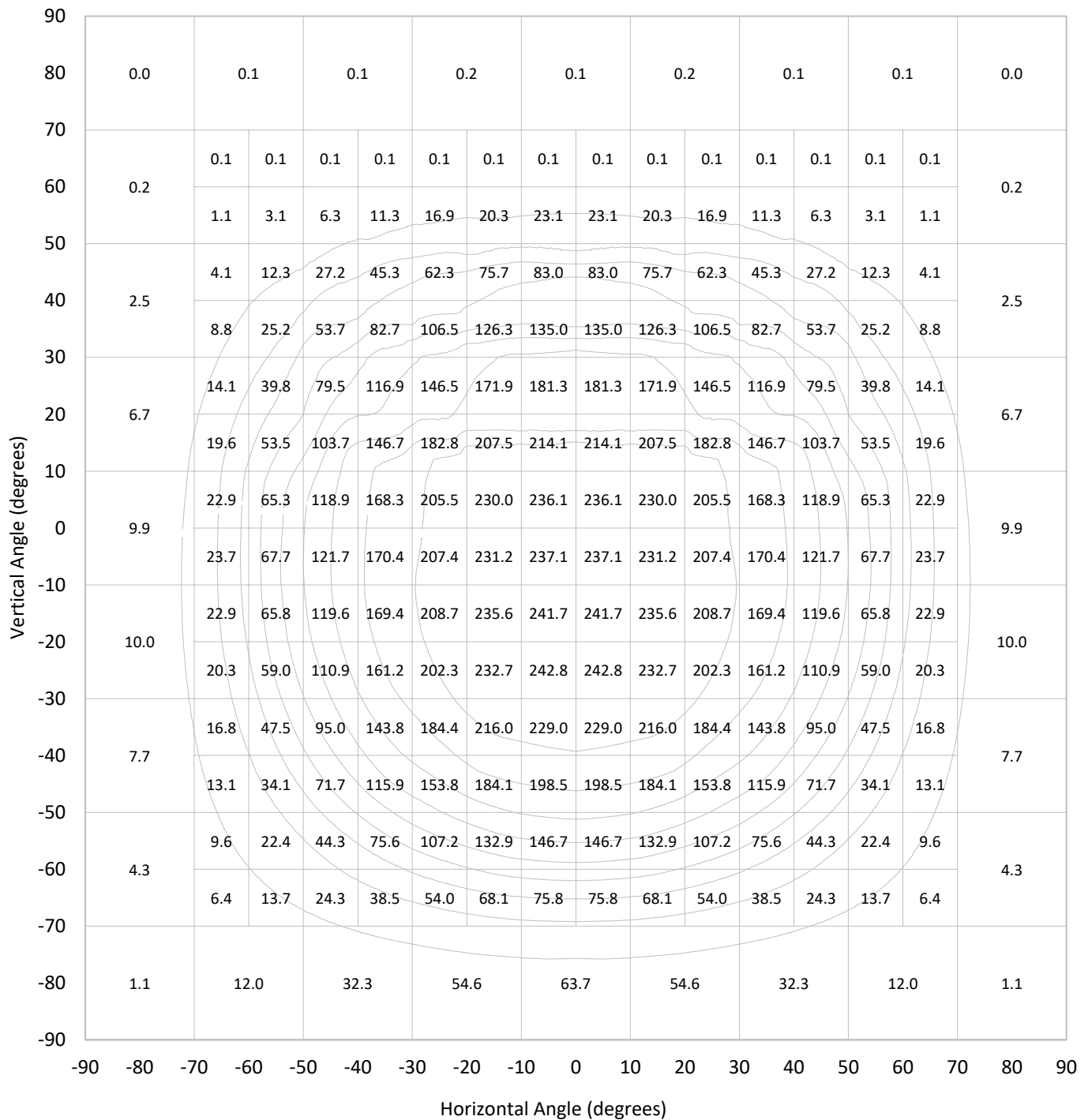
### Iso-Candela Plot





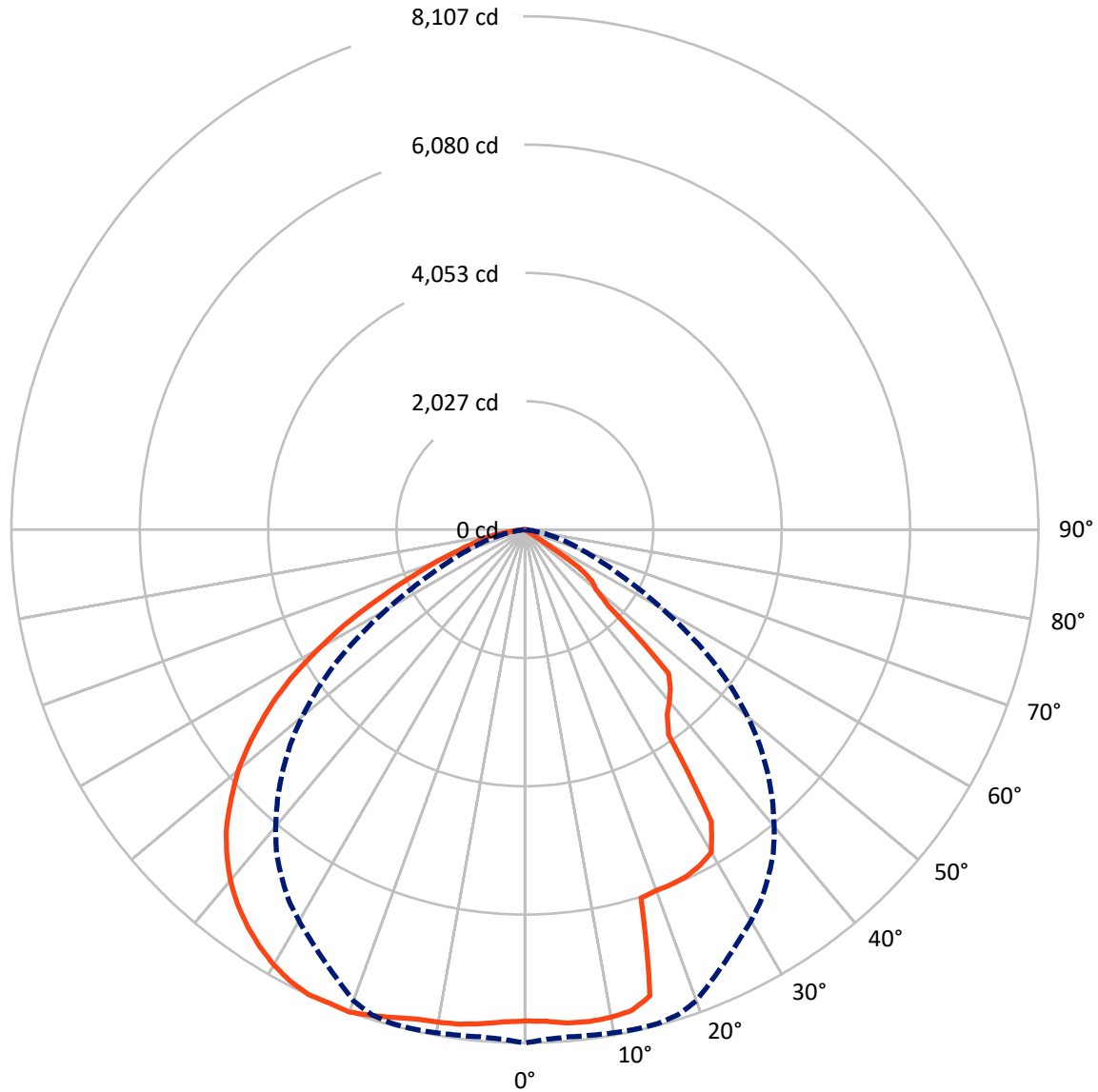
REPORT NUMBER: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-740-U-LAM-VSR-XX

### Lumen Table



REPORT NUMBER: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-740-U-LAM-VSR-XX

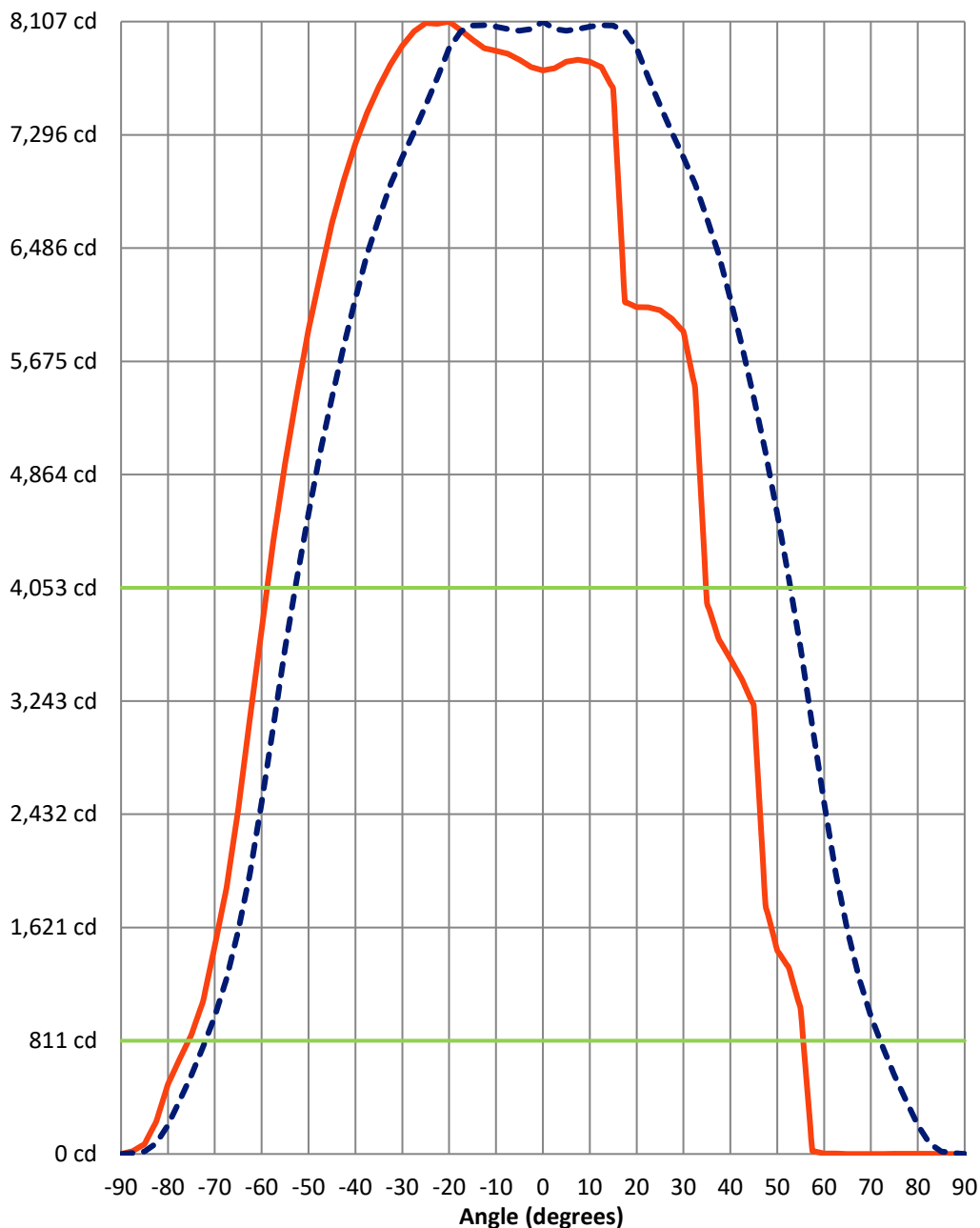
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through -20-Deg

REPORT NUMBER: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-740-U-LAM-VSR-XX

### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 14860.4  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 18631.8  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 377.5  
 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: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-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	0.3	0.5	0.6	0.8	0.9	0.9	0.9	0.8	0.7
85°	0.0	0.4	0.6	0.9	1.2	1.5	1.8	1.8	1.8	1.7	1.4
82.5°	0.0	0.6	0.9	1.4	1.8	2.3	2.7	2.8	2.6	2.2	1.7
80°	0.0	0.8	1.2	1.8	2.4	3.0	3.5	3.1	2.7	2.2	1.8
77.5°	0.0	0.9	1.5	2.3	3.0	3.5	3.5	3.1	2.7	2.2	1.8
75°	0.0	1.1	1.8	2.7	3.5	3.6	3.5	3.2	2.7	2.3	1.8
72.5°	0.0	1.3	2.1	3.1	3.7	3.8	3.6	3.2	2.8	2.3	1.9
70°	0.0	1.5	2.5	3.5	3.8	3.9	3.7	3.2	2.8	2.4	2.7
67.5°	0.0	1.7	2.8	3.7	4.0	4.0	4.1	3.3	2.9	3.9	3.9
65°	0.0	1.9	3.1	3.9	4.2	4.6	4.7	3.3	4.6	5.4	6.8
62.5°	0.0	2.1	3.4	4.0	4.4	5.7	5.5	4.7	6.4	9.5	15.1
60°	0.0	2.2	3.7	4.2	4.6	7.0	6.4	6.6	8.3	24.1	26.2
57.5°	0.0	2.4	3.9	4.4	5.9	8.3	11.9	9.2	23.5	40.8	47.5
55°	0.0	2.6	4.1	4.6	7.3	9.8	18.9	14.9	43.7	63.0	76.8
52.5°	0.0	2.8	4.3	4.8	8.8	12.6	27.1	37.9	65.5	98.9	111.4
50°	0.0	2.9	4.5	5.0	10.4	21.5	36.5	64.1	93.7	138.8	174.0
47.5°	0.0	3.1	4.7	5.4	12.1	31.0	49.1	91.5	135.0	182.7	238.0
45°	0.0	3.3	4.9	6.7	13.8	41.3	74.1	120.1	181.3	238.2	300.1
42.5°	0.0	3.4	5.1	8.0	15.6	52.2	99.6	156.5	228.3	292.2	371.7
40°	0.0	3.6	5.3	9.7	21.0	63.7	125.8	197.9	276.8	345.1	448.4
37.5°	0.0	3.7	5.6	11.8	30.0	75.8	152.4	239.4	327.6	408.8	528.5
35°	0.0	3.9	5.8	14.1	39.2	94.2	179.5	280.8	379.3	486.9	623.1
32.5°	0.0	4.0	6.0	16.6	48.4	115.6	208.8	322.1	431.5	565.5	738.1
30°	0.0	4.1	6.2	19.4	57.8	136.7	242.4	363.8	484.3	644.3	848.5
27.5°	0.0	4.3	6.5	22.3	69.3	157.7	275.3	407.2	542.2	723.0	954.0
25°	0.0	4.4	6.7	25.4	81.2	178.2	307.4	450.2	607.6	808.9	1054.6
22.5°	0.0	4.5	6.9	28.6	93.0	199.2	338.6	492.4	671.7	894.8	1156.5
20°	0.0	4.6	7.2	31.9	104.7	221.8	368.7	533.8	734.1	975.8	1255.8
17.5°	0.0	4.7	7.4	35.3	116.2	243.6	398.5	574.0	794.5	1051.9	1352.1
15°	0.0	4.8	7.6	38.6	127.4	264.5	427.1	611.3	852.6	1122.8	1444.5
12.5°	0.0	4.9	7.8	42.0	138.3	284.5	453.9	644.6	898.9	1188.5	1532.5
10°	0.0	5.0	8.0	45.3	148.7	303.4	478.7	675.3	933.5	1227.9	1604.2
7.5°	0.0	5.0	8.2	48.5	158.5	321.0	501.5	703.2	962.9	1258.4	1646.0
5°	0.0	5.1	8.4	51.6	167.6	337.3	522.3	728.4	987.4	1283.0	1680.0
2.5°	0.0	5.2	8.5	54.5	176.0	352.1	540.9	750.7	1007.3	1302.0	1706.0
0°	0.0	5.2	8.7	57.1	183.5	365.2	557.3	770.2	1022.9	1315.4	1723.9
-2.5°	0.0	5.5	10.1	60.8	190.5	373.5	565.5	781.5	1028.5	1332.4	1735.5
-5°	0.0	5.8	11.4	64.2	196.4	380.1	571.4	789.8	1030.4	1343.4	1739.2
-7.5°	0.0	6.0	12.7	67.3	201.3	384.9	575.2	795.0	1029.0	1347.9	1735.4
-10°	0.0	6.3	13.9	70.0	204.9	387.9	576.9	797.0	1024.6	1345.2	1724.3
-12.5°	0.0	6.5	15.1	72.2	207.4	389.1	576.6	795.6	1017.5	1334.4	1705.4
-15°	0.0	6.7	16.2	74.0	208.6	388.5	574.4	790.9	1009.4	1313.2	1678.0
-17.5°	0.0	6.9	17.3	75.3	208.4	386.2	570.2	781.4	999.6	1286.8	1642.2
-20°	0.0	7.1	18.2	76.1	206.9	382.1	563.7	767.8	985.6	1255.3	1598.2

Classified

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

Scaled Data Report



REPORT NUMBER: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-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	7.2	19.1	76.3	204.0	376.3	554.2	751.5	967.5	1218.9	1545.8
-25°	0.0	7.4	19.8	75.9	199.6	367.2	542.6	732.5	945.0	1178.0	1485.2
-27.5°	0.0	7.4	20.5	75.0	193.8	356.0	528.9	710.9	918.2	1138.4	1431.6
-30°	0.0	7.5	21.0	73.5	186.6	343.1	512.9	686.9	888.9	1104.9	1374.2
-32.5°	0.0	7.5	21.4	71.3	178.1	328.8	494.8	664.6	857.8	1066.2	1312.9
-35°	0.0	7.5	21.7	68.5	168.7	312.9	475.3	641.2	824.2	1022.4	1247.8
-37.5°	0.0	7.5	21.8	65.1	158.3	297.0	454.2	615.3	788.2	973.4	1183.6
-40°	0.0	7.4	21.9	61.0	146.9	282.6	431.6	587.0	749.9	927.1	1120.2
-42.5°	0.0	7.3	21.7	56.6	138.4	267.1	407.3	556.3	712.9	878.2	1051.9
-45°	0.0	7.1	21.5	52.2	132.5	250.7	381.6	524.6	675.1	826.0	981.1
-47.5°	0.0	6.9	21.1	47.1	125.6	233.3	354.4	492.8	634.5	771.3	919.9
-50°	0.0	6.7	20.6	45.4	117.6	215.0	331.6	459.5	589.6	721.0	855.8
-52.5°	0.0	6.5	19.9	44.5	108.7	195.8	308.9	424.6	546.7	669.3	790.1
-55°	0.0	6.2	19.1	43.1	98.7	181.3	285.2	389.4	503.7	616.2	731.7
-57.5°	0.0	5.9	18.2	41.3	87.8	166.6	260.7	361.4	459.2	565.2	672.0
-60°	0.0	5.6	17.1	38.9	76.4	150.5	235.8	330.4	414.6	513.8	612.3
-62.5°	0.0	5.2	16.1	36.2	71.0	133.1	213.0	296.8	373.4	460.9	554.0
-65°	0.0	4.8	15.0	33.0	64.8	114.5	188.6	261.8	329.8	407.9	494.2
-67.5°	0.0	4.4	13.7	29.4	57.9	99.0	162.7	227.1	283.8	352.5	429.7
-70°	0.0	4.0	12.4	25.5	50.3	86.6	135.4	191.6	242.6	294.6	361.0
-72.5°	0.0	3.5	11.0	22.5	42.2	73.3	114.5	155.3	200.7	246.6	293.2
-75°	0.0	3.1	9.6	19.5	33.6	59.2	93.6	125.2	157.9	198.0	238.6
-77.5°	0.0	2.6	8.1	16.5	27.7	44.4	71.7	96.7	122.8	151.0	183.2
-80°	0.0	2.1	6.5	13.3	22.4	33.8	48.9	67.8	88.0	109.8	133.3
-82.5°	0.0	1.6	4.9	10.1	16.9	25.6	35.9	43.5	52.6	68.0	84.6
-85°	0.0	1.1	3.3	6.7	11.4	17.1	24.1	29.1	34.3	39.7	45.3
-87.5°	0.0	0.5	1.7	3.4	5.7	8.6	12.1	14.6	17.2	19.9	22.7
-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: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-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°	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.3
85°	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	2.0	2.2	2.2	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7
70°	2.7	2.8	2.4	2.0	1.7	1.8	2.0	1.9	1.7	1.7	1.7
67.5°	3.4	2.9	2.5	2.4	2.4	2.6	2.5	2.1	1.7	1.7	1.8
65°	3.5	3.0	4.3	4.9	3.6	3.1	2.7	2.2	2.4	2.5	2.5
62.5°	5.2	6.5	8.3	14.7	11.0	3.2	5.7	6.7	5.0	4.1	4.4
60°	16.9	11.5	34.1	48.9	30.5	11.2	13.6	45.2	39.2	7.2	24.5
57.5°	35.6	48.8	89.9	91.5	63.3	43.7	127.0	146.6	111.0	64.8	99.1
55°	78.3	120.3	149.0	137.9	150.6	228.1	271.0	243.4	205.0	315.2	402.7
52.5°	152.9	195.7	205.4	235.9	337.7	387.9	371.8	397.6	515.6	640.3	667.3
50°	225.7	260.7	288.0	416.5	496.1	501.1	538.1	655.0	812.4	888.7	870.3
47.5°	296.0	332.4	459.6	583.0	618.8	667.8	760.2	985.8	1152.6	1155.8	1136.9
45°	370.5	467.4	629.8	710.3	768.3	863.1	1086.4	1397.7	1413.8	1459.0	1737.1
42.5°	450.1	619.9	761.6	845.3	939.1	1116.0	1413.9	1618.1	1688.3	1886.3	2109.9
40°	579.0	767.2	891.1	998.1	1118.7	1376.7	1703.0	1894.3	1951.4	2122.7	2290.9
37.5°	709.7	890.3	1029.0	1158.2	1325.2	1673.5	2051.1	2208.8	2237.7	2269.0	2641.7
35°	835.7	1016.5	1182.6	1351.5	1556.4	2057.8	2387.7	2536.1	2531.5	2743.1	3133.2
32.5°	953.4	1145.5	1341.5	1567.5	1905.5	2419.2	2749.3	2838.1	2972.8	3280.7	3813.2
30°	1071.1	1289.4	1514.5	1783.6	2211.9	2657.1	3033.9	3176.9	3407.7	3759.0	4146.6
27.5°	1192.2	1436.9	1709.1	2024.5	2453.7	2862.9	3184.8	3526.3	3750.6	4065.4	4341.2
25°	1312.8	1593.1	1901.3	2235.1	2626.5	3008.0	3340.9	3735.2	3976.1	4229.9	4487.1
22.5°	1439.3	1751.5	2099.5	2401.9	2772.3	3131.2	3527.6	3955.3	4268.4	4429.7	4602.5
20°	1571.6	1922.8	2294.0	2629.0	2916.1	3245.7	3715.0	4234.7	4638.9	4820.5	4844.2
17.5°	1701.9	2088.8	2487.8	2850.6	3160.2	3453.6	3911.8	4569.5	5072.1	5240.9	5315.9
15°	1829.1	2248.4	2680.7	3066.3	3406.1	3764.9	4254.2	4923.0	5497.6	5684.4	5802.5
12.5°	1951.8	2400.7	2870.4	3274.8	3652.2	4054.7	4565.1	5177.3	5701.9	6063.1	6279.7
10°	2068.7	2544.4	3054.5	3474.9	3895.5	4323.4	4822.4	5366.8	5793.8	6142.2	6449.7
7.5°	2127.7	2638.4	3212.7	3665.4	4132.7	4571.8	5033.0	5500.3	5860.0	6201.7	6499.0
5°	2167.8	2677.0	3262.2	3731.7	4258.7	4737.5	5185.3	5588.1	5903.2	6241.9	6532.3
2.5°	2196.4	2702.0	3295.6	3768.1	4306.0	4788.4	5229.2	5617.4	5938.9	6270.6	6568.1
0°	2213.7	2713.9	3312.7	3790.4	4335.6	4822.0	5254.7	5628.5	5962.6	6284.5	6604.7
-2.5°	2223.5	2750.2	3324.1	3847.9	4364.2	4850.9	5290.4	5655.3	6004.3	6310.7	6631.7
-5°	2222.2	2771.8	3321.1	3886.5	4377.9	4862.2	5308.2	5667.4	6027.0	6330.3	6642.7
-7.5°	2210.2	2776.8	3306.1	3898.6	4378.5	4858.3	5300.3	5673.2	6026.6	6348.2	6643.7
-10°	2188.6	2757.2	3292.3	3867.3	4361.7	4838.6	5276.4	5660.5	6012.6	6344.6	6637.9
-12.5°	2163.3	2716.8	3263.4	3822.3	4327.6	4801.8	5240.1	5628.0	5986.2	6317.4	6624.6
-15°	2125.2	2662.9	3216.0	3765.1	4275.7	4748.3	5192.9	5575.1	5945.6	6270.0	6585.4
-17.5°	2074.1	2596.2	3149.3	3697.2	4205.7	4678.4	5132.4	5505.3	5874.0	6209.2	6513.6
-20°	2009.6	2517.2	3062.6	3620.0	4116.8	4584.6	5024.4	5414.9	5781.2	6122.2	6442.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-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°	1931.7	2426.3	2958.3	3515.9	4006.0	4468.5	4903.0	5299.8	5679.4	6009.1	6349.9
-25°	1853.6	2330.3	2842.9	3371.8	3877.2	4337.7	4773.6	5160.1	5548.1	5891.1	6214.8
-27.5°	1778.8	2218.9	2709.0	3213.1	3731.3	4189.6	4621.5	5008.4	5385.0	5760.0	6071.7
-30°	1694.9	2090.1	2562.2	3043.7	3548.8	4015.5	4450.7	4852.0	5210.5	5580.8	5915.5
-32.5°	1602.3	1953.4	2407.2	2870.4	3346.7	3823.6	4254.8	4653.4	5026.3	5376.6	5727.9
-35°	1511.8	1843.0	2242.9	2684.2	3132.5	3600.4	4031.8	4426.7	4813.7	5160.6	5496.4
-37.5°	1430.3	1723.4	2068.3	2489.9	2918.3	3360.8	3799.6	4181.9	4550.1	4931.6	5259.0
-40°	1342.1	1595.0	1917.1	2289.7	2693.5	3114.4	3534.5	3929.9	4276.1	4653.0	5013.1
-42.5°	1249.8	1490.5	1767.9	2077.8	2459.0	2855.8	3261.3	3648.1	4007.6	4363.2	4720.1
-45°	1169.0	1379.8	1616.0	1899.3	2209.6	2582.8	2966.8	3352.3	3697.3	4036.2	4388.6
-47.5°	1083.0	1268.5	1487.0	1713.2	1982.9	2295.0	2656.1	3011.7	3364.8	3687.3	3999.2
-50°	997.4	1168.4	1347.9	1551.5	1774.1	2027.1	2327.0	2657.6	2980.2	3311.3	3620.1
-52.5°	923.7	1063.0	1225.3	1395.2	1585.8	1795.0	2035.3	2306.9	2600.3	2881.2	3189.4
-55°	847.1	972.8	1103.7	1253.3	1411.9	1588.5	1785.5	2013.7	2237.6	2497.4	2749.0
-57.5°	777.3	883.2	994.9	1118.4	1256.1	1397.5	1569.7	1747.2	1950.4	2152.3	2351.5
-60°	711.4	798.0	892.8	997.4	1108.1	1233.8	1362.4	1514.8	1678.5	1839.7	2008.7
-62.5°	645.0	717.9	795.1	882.0	978.5	1073.6	1183.3	1300.8	1421.1	1557.8	1691.1
-65°	576.8	635.7	701.2	773.2	850.3	931.2	1015.5	1102.5	1204.9	1305.0	1401.9
-67.5°	504.3	554.7	607.7	664.4	729.0	792.6	856.1	929.5	1004.9	1079.1	1155.9
-70°	424.0	471.5	515.7	561.7	609.7	659.5	713.7	767.6	820.7	876.3	937.9
-72.5°	342.3	386.1	424.9	458.9	498.3	539.7	579.3	617.1	657.2	699.4	741.1
-75°	273.0	301.9	336.6	368.3	399.7	428.8	454.9	487.0	520.4	551.1	576.3
-77.5°	213.1	239.3	263.1	284.3	309.3	338.5	364.0	385.8	407.0	430.2	454.8
-80°	155.0	176.8	198.4	218.1	232.5	249.0	268.5	290.8	310.2	325.9	340.3
-82.5°	100.1	115.8	131.9	148.3	154.9	159.5	163.8	171.6	183.5	195.3	206.6
-85°	49.9	54.5	64.3	74.3	77.8	80.2	81.9	82.8	86.9	90.6	93.9
-87.5°	25.0	27.3	29.5	31.8	30.6	29.0	26.9	24.5	23.9	23.2	22.3
-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: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-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°	1.4	1.4	1.5	1.5	1.5	1.2	0.8	0.4	0.0	0.0	0.0
85°	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.2	0.8
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
67.5°	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.5	1.1
65°	2.4	2.4	2.5	2.4	2.1	2.0	2.1	2.1	1.9	1.5	1.0
62.5°	4.4	4.9	3.9	3.8	3.8	3.7	3.5	3.3	3.1	2.9	3.1
60°	27.2	16.0	9.4	10.9	9.8	6.5	8.3	9.8	9.9	9.0	8.0
57.5°	150.4	112.3	83.1	198.6	199.2	95.1	114.5	180.0	148.3	48.7	45.2
55°	418.5	500.5	658.8	625.7	635.9	731.4	798.7	707.1	693.2	738.6	853.3
52.5°	751.9	830.1	883.3	933.1	993.8	1058.9	1126.0	1168.7	1208.6	1251.1	1276.4
50°	960.1	1070.4	1146.1	1118.3	1275.1	1339.2	1274.1	1332.3	1403.3	1422.8	1432.0
47.5°	1417.7	1579.4	1611.5	1715.6	1809.2	1807.2	1727.7	1732.3	1943.8	2130.3	2222.0
45°	2037.5	2043.0	2144.7	2328.5	2460.0	2418.6	2529.6	2781.7	2865.7	2946.8	3013.4
42.5°	2278.9	2379.0	2541.2	2703.8	2801.8	2886.8	2969.0	3061.7	3170.6	3259.0	3329.7
40°	2512.7	2593.4	2759.5	2890.4	2971.6	3051.0	3146.6	3249.3	3349.1	3426.7	3479.8
37.5°	2872.6	2935.1	2975.5	3097.1	3250.6	3179.7	3361.3	3491.5	3551.0	3629.9	3637.0
35°	3417.0	3375.4	3321.5	3805.4	3834.4	3671.0	3840.8	4042.6	3936.2	4157.8	4277.0
32.5°	3899.6	3893.4	4315.7	4570.2	4423.8	4543.3	4934.7	4917.3	5178.3	5299.4	5264.8
30°	4354.3	4509.4	4753.7	4943.2	4968.5	5156.9	5330.7	5483.0	5640.5	5781.7	5791.4
27.5°	4585.1	4787.5	4953.4	5063.0	5185.4	5343.8	5501.6	5673.1	5807.1	5895.6	5917.2
25°	4724.7	4931.5	5057.1	5175.1	5310.2	5446.9	5623.5	5810.3	5917.9	5972.5	5990.0
22.5°	4847.8	5033.7	5168.7	5264.4	5409.7	5556.8	5721.5	5879.7	5996.6	6020.4	6029.1
20°	4966.3	5144.9	5370.3	5511.2	5504.2	5670.0	5828.7	5954.4	6051.9	6051.4	6053.7
17.5°	5309.1	5372.8	5781.9	6092.5	5938.7	5857.6	6294.0	6302.3	6328.2	6276.7	6165.0
15°	5816.6	5932.7	6435.2	6771.9	6665.9	6660.3	7290.7	7134.4	7268.9	7233.7	7385.1
12.5°	6354.2	6491.6	6867.2	7197.8	7355.4	7394.0	7604.6	7801.9	7842.4	7826.4	7796.7
10°	6720.5	6916.2	7067.1	7267.8	7426.6	7588.7	7710.7	7852.4	7898.7	7871.9	7834.0
7.5°	6768.1	6961.6	7138.7	7314.8	7466.1	7596.7	7723.3	7838.6	7885.8	7870.3	7844.2
5°	6798.5	6973.7	7145.4	7324.1	7468.7	7589.7	7715.9	7832.7	7860.6	7841.9	7816.5
2.5°	6817.2	6979.4	7144.8	7322.8	7454.2	7569.4	7697.1	7821.7	7821.5	7813.3	7798.4
0°	6826.2	6988.9	7181.0	7342.0	7489.1	7598.2	7724.5	7845.7	7837.0	7814.5	7788.5
-2.5°	6845.7	7010.5	7206.6	7340.0	7505.9	7605.7	7736.3	7841.3	7837.2	7826.1	7813.2
-5°	6863.0	7048.4	7231.8	7372.1	7538.4	7669.0	7798.7	7880.8	7885.2	7869.8	7848.1
-7.5°	6873.6	7079.1	7254.1	7395.0	7556.3	7708.1	7839.8	7925.9	7927.8	7907.3	7881.4
-10°	6870.1	7087.1	7267.2	7412.8	7577.9	7727.9	7865.5	7974.7	7971.1	7951.6	7929.5
-12.5°	6857.1	7073.8	7258.8	7404.9	7592.3	7746.7	7901.6	8010.2	8015.9	8001.3	7977.4
-15°	6828.6	7052.3	7232.2	7391.8	7575.5	7756.0	7915.1	8034.9	8056.3	8044.3	8025.4
-17.5°	6772.2	7008.3	7199.1	7371.0	7547.3	7739.7	7920.7	8051.7	8080.9	8076.2	8060.5
-20°	6698.2	6941.8	7135.5	7315.6	7507.5	7705.7	7916.3	8036.0	8078.5	8081.1	8070.5



REPORT NUMBER: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-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°	6615.0	6853.6	7059.1	7236.1	7444.2	7644.8	7835.5	7975.7	8047.0	8060.2	8061.1
-25°	6515.3	6760.4	6964.6	7153.2	7346.8	7553.9	7746.6	7903.1	7975.3	8009.8	8020.6
-27.5°	6374.5	6627.8	6828.8	7028.1	7225.0	7439.0	7641.5	7811.7	7870.4	7917.8	7936.8
-30°	6209.5	6460.0	6664.9	6847.1	7072.4	7290.6	7499.6	7648.0	7736.6	7790.9	7820.5
-32.5°	6019.8	6272.7	6487.7	6677.9	6892.1	7110.2	7306.9	7463.5	7585.6	7648.2	7679.9
-35°	5814.1	6072.3	6297.4	6497.8	6699.3	6907.3	7111.0	7274.9	7414.0	7467.8	7507.5
-37.5°	5565.9	5850.8	6081.6	6288.3	6479.8	6675.3	6887.4	7074.7	7209.9	7262.1	7303.9
-40°	5311.5	5586.7	5819.6	6040.0	6229.4	6442.8	6647.2	6843.5	6960.7	7021.6	7069.0
-42.5°	5042.9	5291.6	5512.9	5727.1	5938.0	6157.7	6361.9	6565.9	6667.3	6740.7	6798.8
-45°	4732.8	4964.2	5179.3	5379.7	5597.1	5813.1	6017.5	6197.8	6318.4	6413.9	6488.2
-47.5°	4319.4	4601.3	4817.3	5007.9	5223.4	5431.8	5629.8	5799.3	5931.7	6043.3	6129.6
-50°	3899.5	4170.0	4413.6	4627.8	4827.8	5020.5	5209.0	5374.8	5514.8	5635.8	5723.2
-52.5°	3486.0	3739.5	3981.2	4202.2	4394.5	4576.4	4748.9	4915.7	5063.4	5192.8	5277.3
-55°	3018.7	3281.3	3520.5	3726.6	3918.6	4098.5	4268.7	4427.0	4572.4	4704.1	4785.1
-57.5°	2580.4	2810.8	3033.2	3223.6	3404.8	3576.1	3737.6	3889.0	4028.9	4153.0	4231.0
-60°	2177.5	2345.5	2536.9	2712.6	2873.4	3019.1	3169.8	3311.0	3439.6	3548.6	3621.3
-62.5°	1821.5	1960.6	2098.8	2232.4	2362.8	2493.8	2619.9	2737.0	2844.4	2933.8	2997.6
-65°	1504.2	1616.0	1716.0	1810.7	1901.0	2004.3	2100.2	2190.3	2273.8	2342.3	2390.8
-67.5°	1238.5	1317.1	1386.3	1451.3	1522.5	1595.5	1663.9	1723.5	1774.5	1815.1	1847.1
-70°	998.8	1056.6	1108.7	1160.5	1212.5	1260.0	1305.3	1349.1	1390.8	1424.8	1450.3
-72.5°	782.2	821.7	857.2	897.1	934.5	970.5	1001.8	1027.1	1046.8	1065.9	1082.6
-75°	596.3	626.0	666.0	699.8	727.8	752.5	775.2	795.3	813.1	828.8	842.6
-77.5°	479.6	504.8	530.3	555.0	578.9	596.6	613.1	629.6	645.7	659.7	671.9
-80°	355.5	374.3	394.0	413.8	433.5	443.3	451.1	458.3	464.8	473.1	480.8
-82.5°	217.3	228.0	239.0	250.0	261.1	263.9	264.8	264.5	263.1	260.1	255.5
-85°	96.7	97.3	97.0	95.9	94.1	90.2	85.6	80.1	74.0	73.1	71.9
-87.5°	21.3	20.8	20.3	19.6	18.9	18.8	18.7	18.6	18.4	19.0	19.6
-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: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-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	0.4
85°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	1.6	1.6
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	0.9	0.0	0.9	1.7	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	0.9	0.0	0.9	1.7	1.7	1.7	1.7	1.7	1.7
67.5°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.1	1.5	1.7	1.7
65°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.0	1.5	1.9	2.1
62.5°	3.2	3.3	3.5	3.5	3.5	3.3	3.2	3.1	2.9	3.1	3.3
60°	6.3	4.1	3.5	3.5	3.5	4.1	6.3	8.0	9.0	9.9	9.8
57.5°	38.3	28.6	24.3	22.5	24.3	28.6	38.3	45.2	48.7	148.3	180.0
55°	935.4	983.0	1018.6	1035.0	1018.6	983.0	935.4	853.3	738.6	693.2	707.1
52.5°	1298.7	1319.4	1331.4	1331.0	1331.4	1319.4	1298.7	1276.4	1251.1	1208.6	1168.7
50°	1447.6	1457.7	1461.3	1459.1	1461.3	1457.7	1447.6	1432.0	1422.8	1403.3	1332.3
47.5°	2138.3	1953.2	1817.1	1784.4	1817.1	1953.2	2138.3	2222.0	2130.3	1943.8	1732.3
45°	3045.3	3115.5	3185.5	3207.2	3185.5	3115.5	3045.3	3013.4	2946.8	2865.7	2781.7
42.5°	3359.5	3382.3	3395.3	3395.8	3395.3	3382.3	3359.5	3329.7	3259.0	3170.6	3061.7
40°	3509.4	3531.0	3543.5	3544.7	3543.5	3531.0	3509.4	3479.8	3426.7	3349.1	3249.3
37.5°	3645.6	3663.9	3676.0	3688.3	3676.0	3663.9	3645.6	3637.0	3629.9	3551.0	3491.5
35°	4260.9	4121.5	3921.0	3951.4	3921.0	4121.5	4260.9	4277.0	4157.8	3936.2	4042.6
32.5°	5318.8	5377.3	5413.9	5476.2	5413.9	5377.3	5318.8	5264.8	5299.4	5178.3	4917.3
30°	5806.9	5826.2	5855.5	5886.4	5855.5	5826.2	5806.9	5791.4	5781.7	5640.5	5483.0
27.5°	5928.7	5948.7	5966.5	5979.9	5966.5	5948.7	5928.7	5917.2	5895.6	5807.1	5673.1
25°	5992.5	6004.9	6023.8	6040.5	6023.8	6004.9	5992.5	5990.0	5972.5	5917.9	5810.3
22.5°	6024.1	6025.4	6040.2	6061.2	6040.2	6025.4	6024.1	6029.1	6020.4	5996.6	5879.7
20°	6045.8	6034.1	6049.4	6063.0	6049.4	6034.1	6045.8	6053.7	6051.4	6051.9	5954.4
17.5°	6322.6	6164.7	6099.8	6101.0	6099.8	6164.7	6322.6	6165.0	6276.7	6328.2	6302.3
15°	7215.2	7274.4	7501.4	7624.1	7501.4	7274.4	7215.2	7385.1	7233.7	7268.9	7134.4
12.5°	7791.2	7770.1	7743.1	7779.9	7743.1	7770.1	7791.2	7796.7	7826.4	7842.4	7801.9
10°	7817.9	7815.4	7767.4	7819.7	7767.4	7815.4	7817.9	7834.0	7871.9	7898.7	7852.4
7.5°	7801.5	7802.9	7782.5	7833.5	7782.5	7802.9	7801.5	7844.2	7870.3	7885.8	7838.6
5°	7812.3	7777.2	7790.5	7819.7	7790.5	7777.2	7812.3	7816.5	7841.9	7860.6	7832.7
2.5°	7782.1	7778.5	7752.5	7773.0	7752.5	7778.5	7782.1	7798.4	7813.3	7821.5	7821.7
0°	7759.1	7740.1	7740.1	7757.4	7740.1	7740.1	7759.1	7788.5	7814.5	7837.0	7845.7
-2.5°	7800.1	7796.1	7793.5	7781.6	7793.5	7796.1	7800.1	7813.2	7826.1	7837.2	7841.3
-5°	7833.7	7823.5	7795.1	7833.5	7795.1	7823.5	7833.7	7848.1	7869.8	7885.2	7880.8
-7.5°	7869.9	7843.6	7816.7	7876.8	7816.7	7843.6	7869.9	7881.4	7907.3	7927.8	7925.9
-10°	7902.9	7865.0	7838.7	7897.6	7838.7	7865.0	7902.9	7929.5	7951.6	7971.1	7974.7
-12.5°	7946.7	7902.2	7884.7	7916.6	7884.7	7902.2	7946.7	7977.4	8001.3	8015.9	8010.2
-15°	7993.3	7962.5	7958.4	7977.2	7958.4	7962.5	7993.3	8025.4	8044.3	8056.3	8034.9
-17.5°	8034.2	8012.6	8023.3	8044.7	8023.3	8012.6	8034.2	8060.5	8076.2	8080.9	8051.7
-20°	8053.8	8041.7	8053.7	8107.0	8053.7	8041.7	8053.8	8070.5	8081.1	8078.5	8036.0



REPORT NUMBER: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-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°	8052.1	8052.8	8074.0	8091.4	8074.0	8052.8	8052.1	8061.1	8060.2	8047.0	7975.7
-25°	8021.3	8037.5	8061.8	8096.6	8061.8	8037.5	8021.3	8020.6	8009.8	7975.3	7903.1
-27.5°	7947.3	7974.1	7999.5	8036.1	7999.5	7974.1	7947.3	7936.8	7917.8	7870.4	7811.7
-30°	7840.1	7872.1	7894.7	7933.9	7894.7	7872.1	7840.1	7820.5	7790.9	7736.6	7648.0
-32.5°	7709.7	7745.9	7772.7	7800.7	7772.7	7745.9	7709.7	7679.9	7648.2	7585.6	7463.5
-35°	7546.7	7585.7	7614.2	7639.7	7614.2	7585.7	7546.7	7507.5	7467.8	7414.0	7274.9
-37.5°	7350.9	7392.9	7425.4	7454.5	7425.4	7392.9	7350.9	7303.9	7262.1	7209.9	7074.7
-40°	7122.8	7165.9	7200.5	7233.0	7200.5	7165.9	7122.8	7069.0	7021.6	6960.7	6843.5
-42.5°	6856.0	6899.5	6935.3	6968.2	6935.3	6899.5	6856.0	6798.8	6740.7	6667.3	6565.9
-45°	6548.0	6592.8	6630.6	6665.3	6630.6	6592.8	6548.0	6488.2	6413.9	6318.4	6197.8
-47.5°	6193.2	6241.2	6273.5	6289.7	6273.5	6241.2	6193.2	6129.6	6043.3	5931.7	5799.3
-50°	5786.6	5834.5	5873.3	5902.0	5873.3	5834.5	5786.6	5723.2	5635.8	5514.8	5374.8
-52.5°	5339.0	5384.5	5417.9	5438.1	5417.9	5384.5	5339.0	5277.3	5192.8	5063.4	4915.7
-55°	4848.9	4896.6	4928.3	4943.1	4928.3	4896.6	4848.9	4785.1	4704.1	4572.4	4427.0
-57.5°	4293.0	4338.3	4372.0	4391.0	4372.0	4338.3	4293.0	4231.0	4153.0	4028.9	3889.0
-60°	3678.0	3718.6	3744.1	3754.1	3744.1	3718.6	3678.0	3621.3	3548.6	3439.6	3311.0
-62.5°	3049.0	3087.4	3111.3	3120.6	3111.3	3087.4	3049.0	2997.6	2933.8	2844.4	2737.0
-65°	2427.1	2451.2	2464.5	2466.4	2464.5	2451.2	2427.1	2390.8	2342.3	2273.8	2190.3
-67.5°	1872.4	1890.7	1901.9	1905.6	1901.9	1890.7	1872.4	1847.1	1815.1	1774.5	1723.5
-70°	1469.3	1481.9	1489.0	1490.2	1489.0	1481.9	1469.3	1450.3	1424.8	1390.8	1349.1
-72.5°	1095.4	1104.5	1101.3	1093.9	1101.3	1104.5	1095.4	1082.6	1065.9	1046.8	1027.1
-75°	854.6	864.5	860.4	853.3	860.4	864.5	854.6	842.6	828.8	813.1	795.3
-77.5°	682.7	691.7	687.3	680.2	687.3	691.7	682.7	671.9	659.7	645.7	629.6
-80°	487.5	492.8	496.6	498.5	496.6	492.8	487.5	480.8	473.1	464.8	458.3
-82.5°	249.5	242.2	237.5	231.9	237.5	242.2	249.5	255.5	260.1	263.1	264.5
-85°	70.5	68.8	70.0	71.0	70.0	68.8	70.5	71.9	73.1	74.0	80.1
-87.5°	20.2	20.7	20.8	20.8	20.8	20.7	20.2	19.6	19.0	18.4	18.6
-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: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-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°	0.8	1.2	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.2
85°	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.9
67.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.7	1.7	2.1
65°	2.1	2.0	2.1	2.4	2.5	2.4	2.4	2.5	2.5	2.4	2.2
62.5°	3.5	3.7	3.8	3.8	3.9	4.9	4.4	4.4	4.1	5.0	6.7
60°	8.3	6.5	9.8	10.9	9.4	16.0	27.2	24.5	7.2	39.2	45.2
57.5°	114.5	95.1	199.2	198.6	83.1	112.3	150.4	99.1	64.8	111.0	146.6
55°	798.7	731.4	635.9	625.7	658.8	500.5	418.5	402.7	315.2	205.0	243.4
52.5°	1126.0	1058.9	993.8	933.1	883.3	830.1	751.9	667.3	640.3	515.6	397.6
50°	1274.1	1339.2	1275.1	1118.3	1146.1	1070.4	960.1	870.3	888.7	812.4	655.0
47.5°	1727.7	1807.2	1809.2	1715.6	1611.5	1579.4	1417.7	1136.9	1155.8	1152.6	985.8
45°	2529.6	2418.6	2460.0	2328.5	2144.7	2043.0	2037.5	1737.1	1459.0	1413.8	1397.7
42.5°	2969.0	2886.8	2801.8	2703.8	2541.2	2379.0	2278.9	2109.9	1886.3	1688.3	1618.1
40°	3146.6	3051.0	2971.6	2890.4	2759.5	2593.4	2512.7	2290.9	2122.7	1951.4	1894.3
37.5°	3361.3	3179.7	3250.6	3097.1	2975.5	2935.1	2872.6	2641.7	2269.0	2237.7	2208.8
35°	3840.8	3671.0	3834.4	3805.4	3321.5	3375.4	3417.0	3133.2	2743.1	2531.5	2536.1
32.5°	4934.7	4543.3	4423.8	4570.2	4315.7	3893.4	3899.6	3813.2	3280.7	2972.8	2838.1
30°	5330.7	5156.9	4968.5	4943.2	4753.7	4509.4	4354.3	4146.6	3759.0	3407.7	3176.9
27.5°	5501.6	5343.8	5185.4	5063.0	4953.4	4787.5	4585.1	4341.2	4065.4	3750.6	3526.3
25°	5623.5	5446.9	5310.2	5175.1	5057.1	4931.5	4724.7	4487.1	4229.9	3976.1	3735.2
22.5°	5721.5	5556.8	5409.7	5264.4	5168.7	5033.7	4847.8	4602.5	4429.7	4268.4	3955.3
20°	5828.7	5670.0	5504.2	5511.2	5370.3	5144.9	4966.3	4844.2	4820.5	4638.9	4234.7
17.5°	6294.0	5857.6	5938.7	6092.5	5781.9	5372.8	5309.1	5315.9	5240.9	5072.1	4569.5
15°	7290.7	6660.3	6665.9	6771.9	6435.2	5932.7	5816.6	5802.5	5684.4	5497.6	4923.0
12.5°	7604.6	7394.0	7355.4	7197.8	6867.2	6491.6	6354.2	6279.7	6063.1	5701.9	5177.3
10°	7710.7	7588.7	7426.6	7267.8	7067.1	6916.2	6720.5	6449.7	6142.2	5793.8	5366.8
7.5°	7723.3	7596.7	7466.1	7314.8	7138.7	6961.6	6768.1	6499.0	6201.7	5860.0	5500.3
5°	7715.9	7589.7	7468.7	7324.1	7145.4	6973.7	6798.5	6532.3	6241.9	5903.2	5588.1
2.5°	7697.1	7569.4	7454.2	7322.8	7144.8	6979.4	6817.2	6568.1	6270.6	5938.9	5617.4
0°	7724.5	7598.2	7489.1	7342.0	7181.0	6988.9	6826.2	6604.7	6284.5	5962.6	5628.5
-2.5°	7736.3	7605.7	7505.9	7340.0	7206.6	7010.5	6845.7	6631.7	6310.7	6004.3	5655.3
-5°	7798.7	7669.0	7538.4	7372.1	7231.8	7048.4	6863.0	6642.7	6330.3	6027.0	5667.4
-7.5°	7839.8	7708.1	7556.3	7395.0	7254.1	7079.1	6873.6	6643.7	6348.2	6026.6	5673.2
-10°	7865.5	7727.9	7577.9	7412.8	7267.2	7087.1	6870.1	6637.9	6344.6	6012.6	5660.5
-12.5°	7901.6	7746.7	7592.3	7404.9	7258.8	7073.8	6857.1	6624.6	6317.4	5986.2	5628.0
-15°	7915.1	7756.0	7575.5	7391.8	7232.2	7052.3	6828.6	6585.4	6270.0	5945.6	5575.1
-17.5°	7920.7	7739.7	7547.3	7371.0	7199.1	7008.3	6772.2	6513.6	6209.2	5874.0	5505.3
-20°	7916.3	7705.7	7507.5	7315.6	7135.5	6941.8	6698.2	6442.0	6122.2	5781.2	5414.9



REPORT NUMBER: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-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°	7835.5	7644.8	7444.2	7236.1	7059.1	6853.6	6615.0	6349.9	6009.1	5679.4	5299.8
-25°	7746.6	7553.9	7346.8	7153.2	6964.6	6760.4	6515.3	6214.8	5891.1	5548.1	5160.1
-27.5°	7641.5	7439.0	7225.0	7028.1	6828.8	6627.8	6374.5	6071.7	5760.0	5385.0	5008.4
-30°	7499.6	7290.6	7072.4	6847.1	6664.9	6460.0	6209.5	5915.5	5580.8	5210.5	4852.0
-32.5°	7306.9	7110.2	6892.1	6677.9	6487.7	6272.7	6019.8	5727.9	5376.6	5026.3	4653.4
-35°	7111.0	6907.3	6699.3	6497.8	6297.4	6072.3	5814.1	5496.4	5160.6	4813.7	4426.7
-37.5°	6887.4	6675.3	6479.8	6288.3	6081.6	5850.8	5565.9	5259.0	4931.6	4550.1	4181.9
-40°	6647.2	6442.8	6229.4	6040.0	5819.6	5586.7	5311.5	5013.1	4653.0	4276.1	3929.9
-42.5°	6361.9	6157.7	5938.0	5727.1	5512.9	5291.6	5042.9	4720.1	4363.2	4007.6	3648.1
-45°	6017.5	5813.1	5597.1	5379.7	5179.3	4964.2	4732.8	4388.6	4036.2	3697.3	3352.3
-47.5°	5629.8	5431.8	5223.4	5007.9	4817.3	4601.3	4319.4	3999.2	3687.3	3364.8	3011.7
-50°	5209.0	5020.5	4827.8	4627.8	4413.6	4170.0	3899.5	3620.1	3311.3	2980.2	2657.6
-52.5°	4748.9	4576.4	4394.5	4202.2	3981.2	3739.5	3486.0	3189.4	2881.2	2600.3	2306.9
-55°	4268.7	4098.5	3918.6	3726.6	3520.5	3281.3	3018.7	2749.0	2497.4	2237.6	2013.7
-57.5°	3737.6	3576.1	3404.8	3223.6	3033.2	2810.8	2580.4	2351.5	2152.3	1950.4	1747.2
-60°	3169.8	3019.1	2873.4	2712.6	2536.9	2345.5	2177.5	2008.7	1839.7	1678.5	1514.8
-62.5°	2619.9	2493.8	2362.8	2232.4	2098.8	1960.6	1821.5	1691.1	1557.8	1421.1	1300.8
-65°	2100.2	2004.3	1901.0	1810.7	1716.0	1616.0	1504.2	1401.9	1305.0	1204.9	1102.5
-67.5°	1663.9	1595.5	1522.5	1451.3	1386.3	1317.1	1238.5	1155.9	1079.1	1004.9	929.5
-70°	1305.3	1260.0	1212.5	1160.5	1108.7	1056.6	998.8	937.9	876.3	820.7	767.6
-72.5°	1001.8	970.5	934.5	897.1	857.2	821.7	782.2	741.1	699.4	657.2	617.1
-75°	775.2	752.5	727.8	699.8	666.0	626.0	596.3	576.3	551.1	520.4	487.0
-77.5°	613.1	596.6	578.9	555.0	530.3	504.8	479.6	454.8	430.2	407.0	385.8
-80°	451.1	443.3	433.5	413.8	394.0	374.3	355.5	340.3	325.9	310.2	290.8
-82.5°	264.8	263.9	261.1	250.0	239.0	228.0	217.3	206.6	195.3	183.5	171.6
-85°	85.6	90.2	94.1	95.9	97.0	97.3	96.7	93.9	90.6	86.9	82.8
-87.5°	18.7	18.8	18.9	19.6	20.3	20.8	21.3	22.3	23.2	23.9	24.5
-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: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-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°	1.1	1.1	1.0	1.0	0.9	0.8	0.8	0.7	0.8	0.9	0.9
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.4	1.7	1.8	1.8
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.2	2.6	2.8
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	2.2	2.7	3.1
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	2.2	2.7	3.1
75°	1.7	1.7	1.7	1.8	1.8	1.7	1.7	1.8	2.3	2.7	3.2
72.5°	1.7	1.7	1.7	1.9	2.2	2.2	2.0	1.9	2.3	2.8	3.2
70°	2.0	1.8	1.7	2.0	2.4	2.8	2.7	2.7	2.4	2.8	3.2
67.5°	2.5	2.6	2.4	2.4	2.5	2.9	3.4	3.9	3.9	2.9	3.3
65°	2.7	3.1	3.6	4.9	4.3	3.0	3.5	6.8	5.4	4.6	3.3
62.5°	5.7	3.2	11.0	14.7	8.3	6.5	5.2	15.1	9.5	6.4	4.7
60°	13.6	11.2	30.5	48.9	34.1	11.5	16.9	26.2	24.1	8.3	6.6
57.5°	127.0	43.7	63.3	91.5	89.9	48.8	35.6	47.5	40.8	23.5	9.2
55°	271.0	228.1	150.6	137.9	149.0	120.3	78.3	76.8	63.0	43.7	14.9
52.5°	371.8	387.9	337.7	235.9	205.4	195.7	152.9	111.4	98.9	65.5	37.9
50°	538.1	501.1	496.1	416.5	288.0	260.7	225.7	174.0	138.8	93.7	64.1
47.5°	760.2	667.8	618.8	583.0	459.6	332.4	296.0	238.0	182.7	135.0	91.5
45°	1086.4	863.1	768.3	710.3	629.8	467.4	370.5	300.1	238.2	181.3	120.1
42.5°	1413.9	1116.0	939.1	845.3	761.6	619.9	450.1	371.7	292.2	228.3	156.5
40°	1703.0	1376.7	1118.7	998.1	891.1	767.2	579.0	448.4	345.1	276.8	197.9
37.5°	2051.1	1673.5	1325.2	1158.2	1029.0	890.3	709.7	528.5	408.8	327.6	239.4
35°	2387.7	2057.8	1556.4	1351.5	1182.6	1016.5	835.7	623.1	486.9	379.3	280.8
32.5°	2749.3	2419.2	1905.5	1567.5	1341.5	1145.5	953.4	738.1	565.5	431.5	322.1
30°	3033.9	2657.1	2211.9	1783.6	1514.5	1289.4	1071.1	848.5	644.3	484.3	363.8
27.5°	3184.8	2862.9	2453.7	2024.5	1709.1	1436.9	1192.2	954.0	723.0	542.2	407.2
25°	3340.9	3008.0	2626.5	2235.1	1901.3	1593.1	1312.8	1054.6	808.9	607.6	450.2
22.5°	3527.6	3131.2	2772.3	2401.9	2099.5	1751.5	1439.3	1156.5	894.8	671.7	492.4
20°	3715.0	3245.7	2916.1	2629.0	2294.0	1922.8	1571.6	1255.8	975.8	734.1	533.8
17.5°	3911.8	3453.6	3160.2	2850.6	2487.8	2088.8	1701.9	1352.1	1051.9	794.5	574.0
15°	4254.2	3764.9	3406.1	3066.3	2680.7	2248.4	1829.1	1444.5	1122.8	852.6	611.3
12.5°	4565.1	4054.7	3652.2	3274.8	2870.4	2400.7	1951.8	1532.5	1188.5	898.9	644.6
10°	4822.4	4323.4	3895.5	3474.9	3054.5	2544.4	2068.7	1604.2	1227.9	933.5	675.3
7.5°	5033.0	4571.8	4132.7	3665.4	3212.7	2638.4	2127.7	1646.0	1258.4	962.9	703.2
5°	5185.3	4737.5	4258.7	3731.7	3262.2	2677.0	2167.8	1680.0	1283.0	987.4	728.4
2.5°	5229.2	4788.4	4306.0	3768.1	3295.6	2702.0	2196.4	1706.0	1302.0	1007.3	750.7
0°	5254.7	4822.0	4335.6	3790.4	3312.7	2713.9	2213.7	1723.9	1315.4	1022.9	770.2
-2.5°	5290.4	4850.9	4364.2	3847.9	3324.1	2750.2	2223.5	1735.5	1332.4	1028.5	781.5
-5°	5308.2	4862.2	4377.9	3886.5	3321.1	2771.8	2222.2	1739.2	1343.4	1030.4	789.8
-7.5°	5300.3	4858.3	4378.5	3898.6	3306.1	2776.8	2210.2	1735.4	1347.9	1029.0	795.0
-10°	5276.4	4838.6	4361.7	3867.3	3292.3	2757.2	2188.6	1724.3	1345.2	1024.6	797.0
-12.5°	5240.1	4801.8	4327.6	3822.3	3263.4	2716.8	2163.3	1705.4	1334.4	1017.5	795.6
-15°	5192.9	4748.3	4275.7	3765.1	3216.0	2662.9	2125.2	1678.0	1313.2	1009.4	790.9
-17.5°	5132.4	4678.4	4205.7	3697.2	3149.3	2596.2	2074.1	1642.2	1286.8	999.6	781.4
-20°	5024.4	4584.6	4116.8	3620.0	3062.6	2517.2	2009.6	1598.2	1255.3	985.6	767.8



REPORT NUMBER: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-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°	4903.0	4468.5	4006.0	3515.9	2958.3	2426.3	1931.7	1545.8	1218.9	967.5	751.5
-25°	4773.6	4337.7	3877.2	3371.8	2842.9	2330.3	1853.6	1485.2	1178.0	945.0	732.5
-27.5°	4621.5	4189.6	3731.3	3213.1	2709.0	2218.9	1778.8	1431.6	1138.4	918.2	710.9
-30°	4450.7	4015.5	3548.8	3043.7	2562.2	2090.1	1694.9	1374.2	1104.9	888.9	686.9
-32.5°	4254.8	3823.6	3346.7	2870.4	2407.2	1953.4	1602.3	1312.9	1066.2	857.8	664.6
-35°	4031.8	3600.4	3132.5	2684.2	2242.9	1843.0	1511.8	1247.8	1022.4	824.2	641.2
-37.5°	3799.6	3360.8	2918.3	2489.9	2068.3	1723.4	1430.3	1183.6	973.4	788.2	615.3
-40°	3534.5	3114.4	2693.5	2289.7	1917.1	1595.0	1342.1	1120.2	927.1	749.9	587.0
-42.5°	3261.3	2855.8	2459.0	2077.8	1767.9	1490.5	1249.8	1051.9	878.2	712.9	556.3
-45°	2966.8	2582.8	2209.6	1899.3	1616.0	1379.8	1169.0	981.1	826.0	675.1	524.6
-47.5°	2656.1	2295.0	1982.9	1713.2	1487.0	1268.5	1083.0	919.9	771.3	634.5	492.8
-50°	2327.0	2027.1	1774.1	1551.5	1347.9	1168.4	997.4	855.8	721.0	589.6	459.5
-52.5°	2035.3	1795.0	1585.8	1395.2	1225.3	1063.0	923.7	790.1	669.3	546.7	424.6
-55°	1785.5	1588.5	1411.9	1253.3	1103.7	972.8	847.1	731.7	616.2	503.7	389.4
-57.5°	1569.7	1397.5	1256.1	1118.4	994.9	883.2	777.3	672.0	565.2	459.2	361.4
-60°	1362.4	1233.8	1108.1	997.4	892.8	798.0	711.4	612.3	513.8	414.6	330.4
-62.5°	1183.3	1073.6	978.5	882.0	795.1	717.9	645.0	554.0	460.9	373.4	296.8
-65°	1015.5	931.2	850.3	773.2	701.2	635.7	576.8	494.2	407.9	329.8	261.8
-67.5°	856.1	792.6	729.0	664.4	607.7	554.7	504.3	429.7	352.5	283.8	227.1
-70°	713.7	659.5	609.7	561.7	515.7	471.5	424.0	361.0	294.6	242.6	191.6
-72.5°	579.3	539.7	498.3	458.9	424.9	386.1	342.3	293.2	246.6	200.7	155.3
-75°	454.9	428.8	399.7	368.3	336.6	301.9	273.0	238.6	198.0	157.9	125.2
-77.5°	364.0	338.5	309.3	284.3	263.1	239.3	213.1	183.2	151.0	122.8	96.7
-80°	268.5	249.0	232.5	218.1	198.4	176.8	155.0	133.3	109.8	88.0	67.8
-82.5°	163.8	159.5	154.9	148.3	131.9	115.8	100.1	84.6	68.0	52.6	43.5
-85°	81.9	80.2	77.8	74.3	64.3	54.5	49.9	45.3	39.7	34.3	29.1
-87.5°	26.9	29.0	30.6	31.8	29.5	27.3	25.0	22.7	19.9	17.2	14.6
-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: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-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°	0.9	0.8	0.6	0.5	0.3	0.2	0.0
85°	1.8	1.5	1.2	0.9	0.6	0.4	0.0
82.5°	2.7	2.3	1.8	1.4	0.9	0.6	0.0
80°	3.5	3.0	2.4	1.8	1.2	0.8	0.0
77.5°	3.5	3.5	3.0	2.3	1.5	0.9	0.0
75°	3.5	3.6	3.5	2.7	1.8	1.1	0.0
72.5°	3.6	3.8	3.7	3.1	2.1	1.3	0.0
70°	3.7	3.9	3.8	3.5	2.5	1.5	0.0
67.5°	4.1	4.0	4.0	3.7	2.8	1.7	0.0
65°	4.7	4.6	4.2	3.9	3.1	1.9	0.0
62.5°	5.5	5.7	4.4	4.0	3.4	2.1	0.0
60°	6.4	7.0	4.6	4.2	3.7	2.2	0.0
57.5°	11.9	8.3	5.9	4.4	3.9	2.4	0.0
55°	18.9	9.8	7.3	4.6	4.1	2.6	0.0
52.5°	27.1	12.6	8.8	4.8	4.3	2.8	0.0
50°	36.5	21.5	10.4	5.0	4.5	2.9	0.0
47.5°	49.1	31.0	12.1	5.4	4.7	3.1	0.0
45°	74.1	41.3	13.8	6.7	4.9	3.3	0.0
42.5°	99.6	52.2	15.6	8.0	5.1	3.4	0.0
40°	125.8	63.7	21.0	9.7	5.3	3.6	0.0
37.5°	152.4	75.8	30.0	11.8	5.6	3.7	0.0
35°	179.5	94.2	39.2	14.1	5.8	3.9	0.0
32.5°	208.8	115.6	48.4	16.6	6.0	4.0	0.0
30°	242.4	136.7	57.8	19.4	6.2	4.1	0.0
27.5°	275.3	157.7	69.3	22.3	6.5	4.3	0.0
25°	307.4	178.2	81.2	25.4	6.7	4.4	0.0
22.5°	338.6	199.2	93.0	28.6	6.9	4.5	0.0
20°	368.7	221.8	104.7	31.9	7.2	4.6	0.0
17.5°	398.5	243.6	116.2	35.3	7.4	4.7	0.0
15°	427.1	264.5	127.4	38.6	7.6	4.8	0.0
12.5°	453.9	284.5	138.3	42.0	7.8	4.9	0.0
10°	478.7	303.4	148.7	45.3	8.0	5.0	0.0
7.5°	501.5	321.0	158.5	48.5	8.2	5.0	0.0
5°	522.3	337.3	167.6	51.6	8.4	5.1	0.0
2.5°	540.9	352.1	176.0	54.5	8.5	5.2	0.0
0°	557.3	365.2	183.5	57.1	8.7	5.2	0.0
-2.5°	565.5	373.5	190.5	60.8	10.1	5.5	0.0
-5°	571.4	380.1	196.4	64.2	11.4	5.8	0.0
-7.5°	575.2	384.9	201.3	67.3	12.7	6.0	0.0
-10°	576.9	387.9	204.9	70.0	13.9	6.3	0.0
-12.5°	576.6	389.1	207.4	72.2	15.1	6.5	0.0
-15°	574.4	388.5	208.6	74.0	16.2	6.7	0.0
-17.5°	570.2	386.2	208.4	75.3	17.3	6.9	0.0
-20°	563.7	382.1	206.9	76.1	18.2	7.1	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645447 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-740-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	554.2	376.3	204.0	76.3	19.1	7.2	0.0
-25°	542.6	367.2	199.6	75.9	19.8	7.4	0.0
-27.5°	528.9	356.0	193.8	75.0	20.5	7.4	0.0
-30°	512.9	343.1	186.6	73.5	21.0	7.5	0.0
-32.5°	494.8	328.8	178.1	71.3	21.4	7.5	0.0
-35°	475.3	312.9	168.7	68.5	21.7	7.5	0.0
-37.5°	454.2	297.0	158.3	65.1	21.8	7.5	0.0
-40°	431.6	282.6	146.9	61.0	21.9	7.4	0.0
-42.5°	407.3	267.1	138.4	56.6	21.7	7.3	0.0
-45°	381.6	250.7	132.5	52.2	21.5	7.1	0.0
-47.5°	354.4	233.3	125.6	47.1	21.1	6.9	0.0
-50°	331.6	215.0	117.6	45.4	20.6	6.7	0.0
-52.5°	308.9	195.8	108.7	44.5	19.9	6.5	0.0
-55°	285.2	181.3	98.7	43.1	19.1	6.2	0.0
-57.5°	260.7	166.6	87.8	41.3	18.2	5.9	0.0
-60°	235.8	150.5	76.4	38.9	17.1	5.6	0.0
-62.5°	213.0	133.1	71.0	36.2	16.1	5.2	0.0
-65°	188.6	114.5	64.8	33.0	15.0	4.8	0.0
-67.5°	162.7	99.0	57.9	29.4	13.7	4.4	0.0
-70°	135.4	86.6	50.3	25.5	12.4	4.0	0.0
-72.5°	114.5	73.3	42.2	22.5	11.0	3.5	0.0
-75°	93.6	59.2	33.6	19.5	9.6	3.1	0.0
-77.5°	71.7	44.4	27.7	16.5	8.1	2.6	0.0
-80°	48.9	33.8	22.4	13.3	6.5	2.1	0.0
-82.5°	35.9	25.6	16.9	10.1	4.9	1.6	0.0
-85°	24.1	17.1	11.4	6.7	3.3	1.1	0.0
-87.5°	12.1	8.6	5.7	3.4	1.7	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)