

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: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3E-722-U-LAM-VSR-XX**

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P645439 (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: 2/28/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA3E-722-U-LAM-VSR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

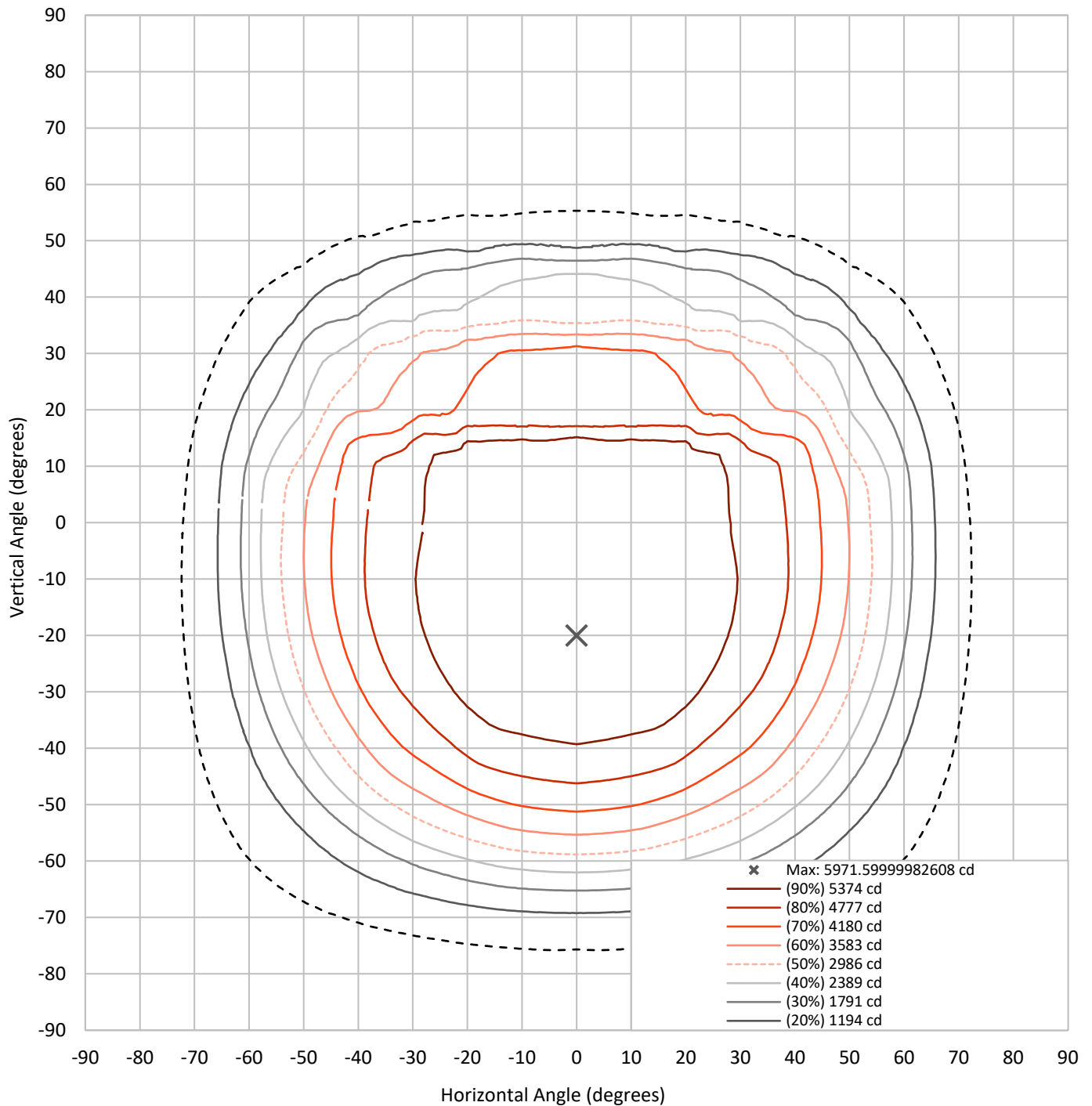
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	14002.2 lumens	Max Intensity:	5971.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	75.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	10946.1 lumens	Field Lumens:	13724.1 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: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-U-LAM-VSR-XX

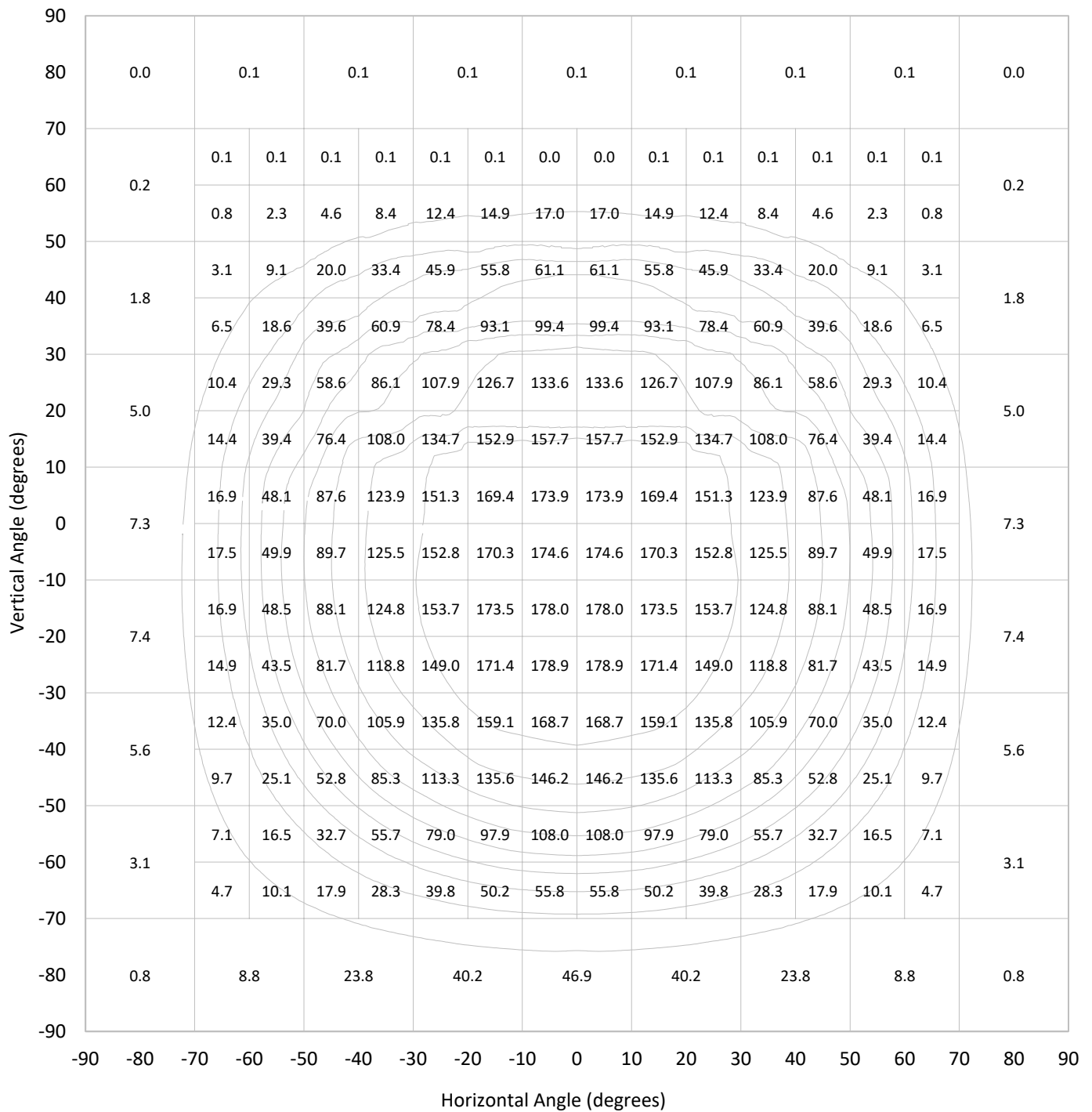
### Iso-Candela Plot





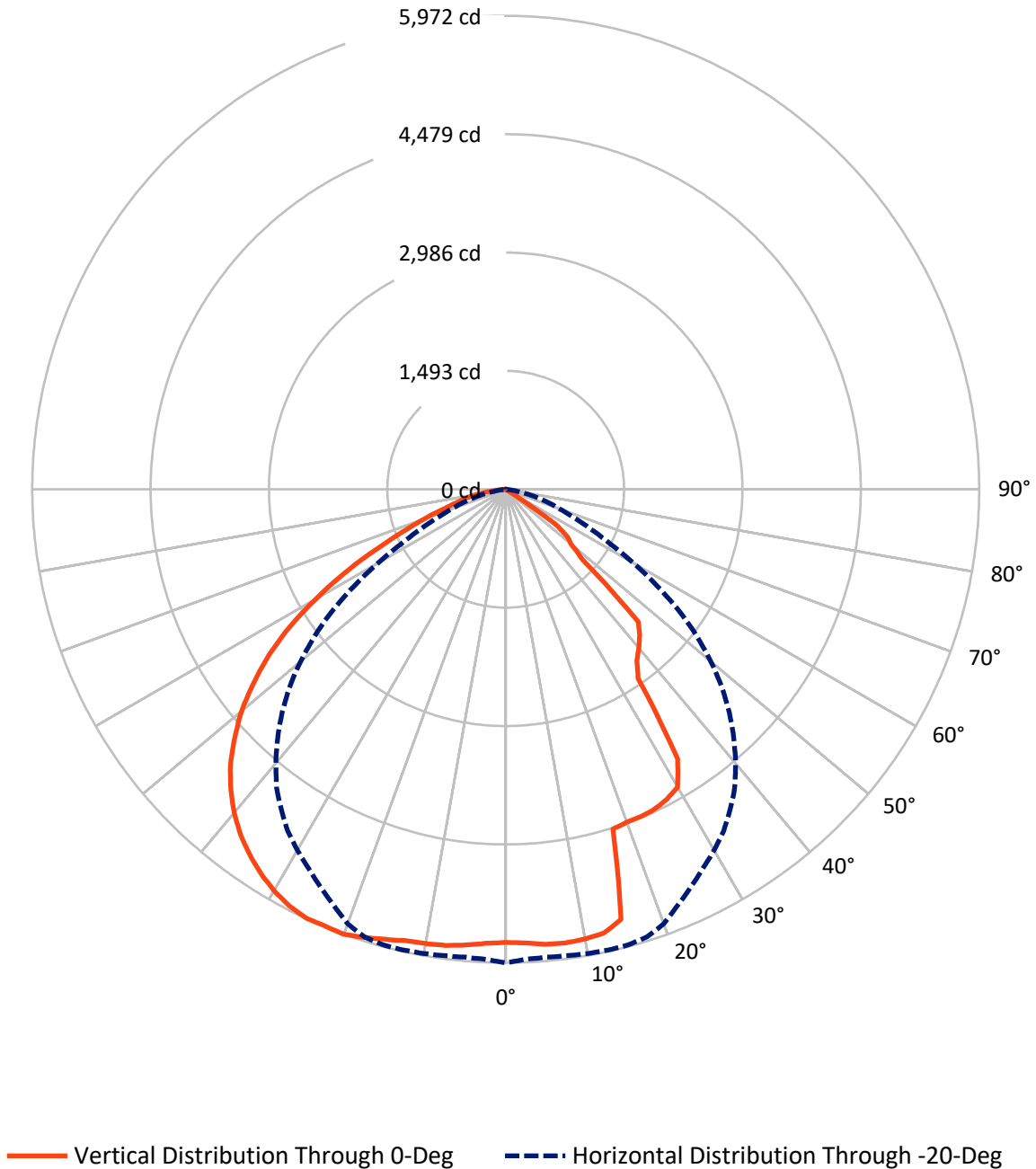
REPORT NUMBER: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-722-U-LAM-VSR-XX

### Lumen Table



REPORT NUMBER: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-722-U-LAM-VSR-XX

### Luminous Intensity Polar Plot



REPORT NUMBER: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-722-U-LAM-VSR-XX

### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 10946.1  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 13724.1  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 278.1  
 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: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-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	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.6	0.6
85°	0.0	0.3	0.4	0.7	0.9	1.1	1.3	1.3	1.3	1.2	1.1
82.5°	0.0	0.4	0.7	1.0	1.3	1.6	1.9	2.0	1.9	1.6	1.3
80°	0.0	0.5	0.9	1.3	1.7	2.2	2.5	2.2	1.9	1.6	1.3
77.5°	0.0	0.7	1.1	1.6	2.2	2.5	2.5	2.2	2.0	1.7	1.4
75°	0.0	0.8	1.3	1.9	2.5	2.6	2.5	2.3	2.0	1.7	1.4
72.5°	0.0	1.0	1.5	2.2	2.6	2.7	2.6	2.3	2.0	1.7	1.4
70°	0.0	1.1	1.8	2.5	2.8	2.8	2.6	2.3	2.0	1.8	2.0
67.5°	0.0	1.2	2.0	2.7	2.9	2.9	2.9	2.4	2.1	2.8	2.8
65°	0.0	1.4	2.2	2.8	3.0	3.3	3.4	2.4	3.4	3.9	5.0
62.5°	0.0	1.5	2.4	2.9	3.2	4.2	4.0	3.4	4.7	6.9	11.1
60°	0.0	1.6	2.7	3.0	3.3	5.1	4.7	4.8	6.1	17.7	19.2
57.5°	0.0	1.7	2.8	3.2	4.3	6.1	8.7	6.7	17.3	30.0	34.9
55°	0.0	1.9	3.0	3.3	5.4	7.2	13.9	11.0	32.1	46.4	56.5
52.5°	0.0	2.0	3.1	3.5	6.5	9.2	19.9	27.9	48.2	72.8	82.0
50°	0.0	2.1	3.3	3.6	7.6	15.8	26.9	47.2	69.0	102.2	128.2
47.5°	0.0	2.2	3.4	4.0	8.9	22.8	36.1	67.4	99.4	134.6	175.3
45°	0.0	2.4	3.6	4.9	10.1	30.4	54.5	88.5	133.5	175.4	221.1
42.5°	0.0	2.5	3.7	5.9	11.5	38.4	73.4	115.3	168.1	215.2	273.8
40°	0.0	2.6	3.9	7.1	15.4	46.9	92.6	145.8	203.9	254.2	330.3
37.5°	0.0	2.7	4.1	8.7	22.1	55.9	112.3	176.3	241.3	301.1	389.3
35°	0.0	2.8	4.2	10.4	28.8	69.4	132.2	206.8	279.4	358.7	459.0
32.5°	0.0	2.9	4.4	12.3	35.7	85.1	153.8	237.3	317.9	416.6	543.7
30°	0.0	3.0	4.6	14.3	42.6	100.7	178.5	268.0	356.7	474.6	625.1
27.5°	0.0	3.1	4.7	16.4	51.1	116.2	202.8	300.0	399.4	532.5	702.8
25°	0.0	3.2	4.9	18.7	59.8	131.3	226.4	331.6	447.5	595.8	776.9
22.5°	0.0	3.3	5.1	21.1	68.5	146.8	249.4	362.7	494.7	659.1	851.9
20°	0.0	3.4	5.2	23.5	77.1	163.4	271.6	393.2	540.7	718.8	925.0
17.5°	0.0	3.4	5.4	26.0	85.6	179.4	293.5	422.8	585.2	774.8	995.9
15°	0.0	3.5	5.6	28.5	93.9	194.9	314.6	450.3	628.0	827.0	1064.0
12.5°	0.0	3.6	5.7	31.0	101.9	209.6	334.3	474.8	662.1	875.4	1128.8
10°	0.0	3.6	5.9	33.4	109.5	223.5	352.6	497.4	687.5	904.5	1181.6
7.5°	0.0	3.7	6.0	35.8	116.7	236.5	369.4	518.0	709.2	926.9	1212.4
5°	0.0	3.7	6.2	38.0	123.4	248.4	384.7	536.5	727.3	945.1	1237.5
2.5°	0.0	3.8	6.3	40.2	129.6	259.3	398.4	553.0	742.0	959.0	1256.6
0°	0.0	3.8	6.4	42.1	135.1	269.0	410.5	567.3	753.5	968.9	1269.8
-2.5°	0.0	4.0	7.4	44.8	140.2	275.1	416.5	575.7	757.6	981.4	1278.4
-5°	0.0	4.2	8.4	47.4	144.6	280.0	420.9	581.8	759.0	989.5	1281.1
-7.5°	0.0	4.4	9.3	49.6	148.2	283.5	423.7	585.6	758.0	992.8	1278.2
-10°	0.0	4.6	10.2	51.6	150.9	285.7	425.0	587.0	754.7	990.9	1270.1
-12.5°	0.0	4.8	11.1	53.2	152.7	286.6	424.8	586.1	749.5	982.9	1256.2
-15°	0.0	4.9	11.9	54.5	153.6	286.2	423.1	582.6	743.6	967.3	1236.0
-17.5°	0.0	5.1	12.7	55.5	153.5	284.5	420.0	575.6	736.3	947.8	1209.6
-20°	0.0	5.2	13.4	56.0	152.4	281.4	415.2	565.6	726.0	924.6	1177.2

Classified

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

Scaled Data Report



REPORT NUMBER: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-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	5.3	14.0	56.2	150.2	277.1	408.3	553.5	712.6	897.9	1138.6
-25°	0.0	5.4	14.6	55.9	147.0	270.5	399.7	539.5	696.1	867.7	1094.0
-27.5°	0.0	5.5	15.1	55.2	142.7	262.2	389.6	523.7	676.3	838.6	1054.5
-30°	0.0	5.5	15.5	54.1	137.4	252.7	377.8	506.0	654.7	813.9	1012.3
-32.5°	0.0	5.5	15.8	52.5	131.1	242.2	364.5	489.6	631.9	785.4	967.1
-35°	0.0	5.5	16.0	50.4	124.2	230.5	350.1	472.3	607.1	753.1	919.1
-37.5°	0.0	5.5	16.1	47.9	116.5	218.8	334.6	453.2	580.6	717.0	871.8
-40°	0.0	5.4	16.1	44.9	108.2	208.1	317.9	432.4	552.4	682.9	825.1
-42.5°	0.0	5.3	16.0	41.7	101.9	196.8	300.0	409.8	525.1	646.8	774.8
-45°	0.0	5.2	15.8	38.4	97.6	184.6	281.1	386.4	497.2	608.4	722.7
-47.5°	0.0	5.1	15.5	34.7	92.5	171.8	261.0	363.0	467.3	568.1	677.6
-50°	0.0	5.0	15.1	33.5	86.6	158.3	244.3	338.4	434.3	531.1	630.4
-52.5°	0.0	4.8	14.6	32.8	80.0	144.2	227.5	312.8	402.7	493.0	581.9
-55°	0.0	4.6	14.1	31.8	72.7	133.5	210.1	286.8	371.0	453.9	538.9
-57.5°	0.0	4.4	13.4	30.4	64.7	122.7	192.0	266.2	338.2	416.3	495.0
-60°	0.0	4.1	12.6	28.7	56.3	110.8	173.6	243.4	305.4	378.5	451.0
-62.5°	0.0	3.8	11.9	26.6	52.3	98.0	156.9	218.6	275.1	339.5	408.1
-65°	0.0	3.6	11.0	24.3	47.7	84.4	138.9	192.8	242.9	300.4	364.0
-67.5°	0.0	3.3	10.1	21.7	42.6	72.9	119.9	167.3	209.0	259.6	316.5
-70°	0.0	2.9	9.1	18.8	37.1	63.8	99.7	141.2	178.7	217.0	265.9
-72.5°	0.0	2.6	8.1	16.6	31.1	54.0	84.4	114.5	147.8	181.7	215.9
-75°	0.0	2.3	7.1	14.4	24.7	43.6	69.0	92.2	116.4	145.9	175.8
-77.5°	0.0	1.9	5.9	12.1	20.4	32.7	52.8	71.3	90.5	111.3	135.0
-80°	0.0	1.5	4.8	9.8	16.5	24.9	36.0	49.9	64.8	80.9	98.2
-82.5°	0.0	1.2	3.6	7.4	12.5	18.8	26.4	32.0	38.7	50.0	62.3
-85°	0.0	0.8	2.4	5.0	8.4	12.6	17.7	21.4	25.2	29.2	33.3
-87.5°	0.0	0.4	1.2	2.5	4.2	6.3	8.9	10.7	12.6	14.6	16.7
-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: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-722-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°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.0
85°	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.5	1.6	1.6	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	2.0	2.0	1.8	1.5	1.3	1.4	1.5	1.4	1.3	1.3	1.3
67.5°	2.4	2.1	1.8	1.8	1.8	1.9	1.9	1.6	1.3	1.3	1.3
65°	2.5	2.2	3.2	3.6	2.6	2.2	1.9	1.6	1.7	1.8	1.8
62.5°	3.7	4.7	6.1	10.8	8.0	2.3	4.2	4.9	3.6	3.0	3.2
60°	12.4	8.5	25.1	36.0	22.4	8.2	10.0	33.3	28.9	5.3	18.0
57.5°	26.2	35.9	66.1	67.3	46.6	32.1	93.5	108.0	81.8	47.7	73.0
55°	57.7	88.6	109.7	101.5	110.9	168.0	199.6	179.3	150.9	232.2	296.7
52.5°	112.6	144.2	151.3	173.7	248.7	285.7	273.8	292.8	379.8	471.6	491.6
50°	166.2	192.0	212.1	306.7	365.4	369.2	396.4	482.5	598.4	654.6	641.0
47.5°	218.1	244.8	338.5	429.4	455.8	491.9	560.0	726.2	849.0	851.4	837.5
45°	272.9	344.3	463.9	523.2	566.0	635.8	800.2	1029.5	1041.4	1074.6	1279.5
42.5°	331.5	456.6	561.0	622.7	691.8	822.0	1041.5	1191.9	1243.6	1389.4	1554.2
40°	426.5	565.2	656.4	735.2	824.0	1014.0	1254.4	1395.3	1437.4	1563.6	1687.5
37.5°	522.8	655.8	758.0	853.1	976.1	1232.7	1510.8	1627.0	1648.3	1671.4	1945.8
35°	615.6	748.8	871.1	995.5	1146.4	1515.7	1758.8	1868.1	1864.8	2020.6	2307.9
32.5°	702.4	843.7	988.2	1154.6	1403.6	1781.9	2025.1	2090.6	2189.8	2416.6	2808.8
30°	789.0	949.7	1115.5	1313.8	1629.2	1957.2	2234.8	2340.1	2510.2	2768.9	3054.4
27.5°	878.2	1058.4	1258.9	1491.2	1807.3	2108.8	2345.9	2597.5	2762.7	2994.5	3197.6
25°	967.0	1173.5	1400.4	1646.3	1934.7	2215.7	2460.9	2751.4	2928.7	3115.7	3305.2
22.5°	1060.2	1290.1	1546.5	1769.2	2042.0	2306.5	2598.4	2913.5	3144.1	3262.9	3390.1
20°	1157.6	1416.3	1689.7	1936.5	2148.0	2390.8	2736.5	3119.3	3417.0	3550.7	3568.1
17.5°	1253.6	1538.6	1832.5	2099.7	2327.8	2543.9	2881.4	3365.9	3736.1	3860.4	3915.7
15°	1347.3	1656.2	1974.6	2258.6	2508.9	2773.2	3133.6	3626.3	4049.5	4187.0	4274.1
12.5°	1437.6	1768.3	2114.3	2412.1	2690.2	2986.7	3362.6	3813.6	4200.0	4466.0	4625.6
10°	1523.7	1874.2	2249.9	2559.6	2869.4	3184.6	3552.2	3953.2	4267.7	4524.3	4750.8
7.5°	1567.2	1943.4	2366.5	2699.9	3044.1	3367.6	3707.3	4051.5	4316.4	4568.1	4787.2
5°	1596.7	1971.8	2402.9	2748.7	3136.9	3489.6	3819.5	4116.2	4348.3	4597.7	4811.7
2.5°	1617.8	1990.3	2427.5	2775.5	3171.8	3527.1	3851.8	4137.7	4374.5	4618.9	4838.0
0°	1630.6	1999.0	2440.1	2792.0	3193.6	3551.8	3870.6	4145.9	4392.0	4629.1	4865.0
-2.5°	1637.8	2025.8	2448.5	2834.3	3214.7	3573.1	3896.9	4165.6	4422.8	4648.4	4884.9
-5°	1636.9	2041.7	2446.3	2862.7	3224.8	3581.4	3910.0	4174.5	4439.5	4662.8	4893.0
-7.5°	1628.0	2045.4	2435.3	2871.7	3225.2	3578.6	3904.2	4178.8	4439.2	4676.1	4893.7
-10°	1612.1	2031.0	2425.1	2848.6	3212.8	3564.1	3886.6	4169.4	4428.8	4673.4	4889.5
-12.5°	1593.5	2001.2	2403.8	2815.5	3187.7	3537.0	3859.8	4145.5	4409.4	4653.4	4879.7
-15°	1565.4	1961.5	2368.9	2773.3	3149.4	3497.5	3825.1	4106.6	4379.4	4618.4	4850.7
-17.5°	1527.7	1912.4	2319.8	2723.3	3097.9	3446.1	3780.5	4055.1	4326.7	4573.6	4797.8
-20°	1480.2	1854.2	2255.9	2666.4	3032.4	3377.0	3700.9	3988.6	4258.4	4509.5	4745.2



REPORT NUMBER: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-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°	1422.9	1787.2	2179.0	2589.7	2950.8	3291.4	3611.5	3903.8	4183.4	4426.2	4677.3
-25°	1365.4	1716.5	2094.1	2483.6	2855.9	3195.1	3516.2	3800.9	4086.7	4339.3	4577.8
-27.5°	1310.3	1634.5	1995.5	2366.7	2748.4	3086.0	3404.2	3689.1	3966.6	4242.8	4472.3
-30°	1248.5	1539.5	1887.3	2242.0	2614.0	2957.8	3278.3	3574.0	3838.0	4110.7	4357.3
-32.5°	1180.3	1438.8	1773.1	2114.3	2465.2	2816.5	3134.0	3427.7	3702.4	3960.3	4219.1
-35°	1113.6	1357.5	1652.1	1977.2	2307.4	2652.0	2969.8	3260.7	3545.7	3801.2	4048.5
-37.5°	1053.5	1269.4	1523.5	1834.0	2149.6	2475.6	2798.8	3080.3	3351.6	3632.6	3873.7
-40°	988.6	1174.9	1412.1	1686.6	1984.0	2294.0	2603.5	2894.7	3149.7	3427.4	3692.6
-42.5°	920.6	1097.9	1302.2	1530.5	1811.2	2103.5	2402.2	2687.2	2952.0	3213.9	3476.7
-45°	861.1	1016.3	1190.4	1399.0	1627.5	1902.5	2185.3	2469.3	2723.4	2973.1	3232.6
-47.5°	797.8	934.4	1095.3	1261.9	1460.6	1690.5	1956.5	2218.4	2478.5	2716.0	2945.8
-50°	734.7	860.6	992.9	1142.9	1306.8	1493.1	1714.0	1957.6	2195.2	2439.0	2666.5
-52.5°	680.4	783.1	902.5	1027.7	1168.1	1322.2	1499.2	1699.2	1915.3	2122.3	2349.3
-55°	623.9	716.5	813.0	923.2	1040.0	1170.1	1315.2	1483.3	1648.1	1839.6	2024.9
-57.5°	572.5	650.6	732.8	823.9	925.3	1029.4	1156.2	1287.0	1436.6	1585.4	1732.1
-60°	524.0	587.8	657.6	734.6	816.2	908.9	1003.5	1115.8	1236.3	1355.0	1479.5
-62.5°	475.1	528.8	585.6	649.6	720.7	790.8	871.6	958.1	1046.8	1147.5	1245.6
-65°	424.8	468.2	516.5	569.5	626.2	685.9	748.0	812.1	887.5	961.3	1032.6
-67.5°	371.5	408.6	447.6	489.4	537.0	583.8	630.6	684.7	740.3	794.8	851.4
-70°	312.3	347.3	379.8	413.7	449.1	485.8	525.7	565.4	604.6	645.5	690.9
-72.5°	252.1	284.3	312.9	338.0	367.0	397.5	426.7	454.5	484.1	515.2	545.9
-75°	201.1	222.3	247.9	271.2	294.3	315.8	335.0	358.7	383.3	405.9	424.5
-77.5°	156.9	176.3	193.7	209.4	227.8	249.3	268.1	284.1	299.8	316.9	335.0
-80°	114.2	130.2	146.1	160.6	171.2	183.4	197.8	214.2	228.5	240.1	250.7
-82.5°	73.7	85.3	97.2	109.2	114.1	117.5	120.6	126.3	135.2	143.9	152.2
-85°	36.7	40.1	47.3	54.7	57.3	59.1	60.3	61.0	64.0	66.8	69.2
-87.5°	18.4	20.1	21.7	23.4	22.5	21.3	19.8	18.1	17.6	17.1	16.4
-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: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-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°	1.1	1.1	1.1	1.2	1.2	0.9	0.6	0.3	0.0	0.0	0.0
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	0.9	0.6
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
67.5°	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.1	0.8
65°	1.8	1.7	1.8	1.8	1.6	1.5	1.6	1.6	1.4	1.1	0.8
62.5°	3.2	3.6	2.8	2.8	2.7	2.6	2.5	2.4	2.2	2.1	2.2
60°	20.0	11.8	6.9	8.0	7.2	4.8	6.1	7.2	7.2	6.6	5.8
57.5°	110.8	82.7	61.2	146.3	146.7	70.0	84.3	132.6	109.2	35.9	33.3
55°	308.3	368.7	485.3	460.9	468.4	538.7	588.3	520.8	510.6	544.1	628.5
52.5°	553.8	611.4	650.6	687.3	732.0	780.0	829.4	860.9	890.2	921.5	940.2
50°	707.2	788.4	844.2	823.7	939.2	986.5	938.5	981.4	1033.7	1048.0	1054.8
47.5°	1044.3	1163.4	1187.0	1263.7	1332.6	1331.2	1272.6	1276.0	1431.8	1569.2	1636.7
45°	1500.8	1504.8	1579.7	1715.2	1812.0	1781.5	1863.2	2049.0	2110.8	2170.6	2219.6
42.5°	1678.6	1752.3	1871.8	1991.6	2063.8	2126.4	2186.9	2255.2	2335.4	2400.6	2452.6
40°	1850.9	1910.2	2032.6	2129.0	2188.8	2247.3	2317.8	2393.4	2466.9	2524.1	2563.2
37.5°	2115.9	2161.9	2191.7	2281.3	2394.4	2342.1	2475.9	2571.8	2615.6	2673.8	2679.0
35°	2516.9	2486.3	2446.7	2803.1	2824.4	2704.0	2829.1	2977.8	2899.4	3062.6	3150.4
32.5°	2872.4	2867.9	3179.0	3366.3	3258.5	3346.5	3634.8	3622.1	3814.3	3903.5	3878.0
30°	3207.3	3321.6	3501.5	3641.1	3659.8	3798.5	3926.6	4038.8	4154.8	4258.8	4265.9
27.5°	3377.4	3526.5	3648.6	3729.4	3819.5	3936.3	4052.5	4178.8	4277.4	4342.7	4358.6
25°	3480.2	3632.5	3725.0	3812.0	3911.5	4012.1	4142.3	4279.8	4359.1	4399.4	4412.2
22.5°	3570.9	3707.8	3807.2	3877.8	3984.8	4093.2	4214.5	4330.9	4417.0	4434.6	4441.0
20°	3658.2	3789.7	3955.8	4059.6	4054.4	4176.5	4293.4	4386.0	4457.8	4457.4	4459.1
17.5°	3910.7	3957.6	4258.9	4487.7	4374.5	4314.7	4636.1	4642.2	4661.3	4623.4	4541.1
15°	4284.5	4370.0	4740.2	4988.1	4910.1	4906.0	5370.3	5255.1	5354.2	5328.3	5439.9
12.5°	4680.5	4781.7	5058.3	5301.8	5417.9	5446.4	5601.5	5746.8	5776.7	5764.9	5743.0
10°	4950.3	5094.4	5205.5	5353.4	5470.4	5589.8	5679.6	5784.0	5818.1	5798.4	5770.5
7.5°	4985.4	5127.9	5258.3	5388.0	5499.5	5595.7	5688.9	5773.9	5808.6	5797.2	5778.0
5°	5007.7	5136.8	5263.3	5394.8	5501.4	5590.6	5683.5	5769.6	5790.0	5776.2	5757.5
2.5°	5021.5	5141.0	5262.8	5393.9	5490.7	5575.6	5669.6	5761.5	5761.2	5755.2	5744.2
0°	5028.2	5148.0	5289.5	5408.1	5516.4	5596.8	5689.8	5779.1	5772.7	5756.1	5737.0
-2.5°	5042.5	5163.9	5308.4	5406.6	5528.7	5602.3	5698.5	5775.8	5772.8	5764.7	5755.2
-5°	5055.2	5191.8	5327.0	5430.3	5552.7	5648.9	5744.5	5805.0	5808.2	5796.9	5780.9
-7.5°	5063.0	5214.4	5343.3	5447.1	5565.9	5677.8	5774.7	5838.2	5839.6	5824.5	5805.4
-10°	5060.4	5220.3	5353.0	5460.2	5581.8	5692.3	5793.7	5874.1	5871.5	5857.1	5840.9
-12.5°	5050.9	5210.5	5346.8	5454.4	5592.4	5706.2	5820.2	5900.2	5904.5	5893.7	5876.1
-15°	5029.9	5194.7	5327.2	5444.7	5580.1	5713.0	5830.2	5918.5	5934.2	5925.4	5911.5
-17.5°	4988.3	5162.3	5302.8	5429.4	5559.3	5701.0	5834.3	5930.8	5952.3	5948.8	5937.3
-20°	4933.8	5113.3	5256.0	5388.6	5530.0	5676.0	5831.1	5919.3	5950.5	5952.4	5944.6



REPORT NUMBER: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-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°	4872.6	5048.3	5199.6	5330.1	5483.4	5631.2	5771.6	5874.9	5927.3	5937.0	5937.7
-25°	4799.2	4979.7	5130.1	5269.0	5411.6	5564.2	5706.1	5821.4	5874.6	5900.0	5907.9
-27.5°	4695.4	4882.0	5030.0	5176.8	5321.8	5479.5	5628.7	5754.1	5797.3	5832.2	5846.2
-30°	4573.8	4758.4	4909.3	5043.5	5209.5	5370.2	5524.1	5633.5	5698.8	5738.7	5760.5
-32.5°	4434.1	4620.4	4778.8	4918.9	5076.6	5237.3	5382.2	5497.6	5587.5	5633.6	5657.0
-35°	4282.6	4472.8	4638.6	4786.2	4934.7	5087.9	5238.0	5358.7	5461.2	5500.7	5530.0
-37.5°	4099.8	4309.7	4479.7	4631.9	4773.0	4916.9	5073.2	5211.2	5310.8	5349.2	5380.0
-40°	3912.4	4115.1	4286.6	4449.0	4588.5	4745.8	4896.3	5040.9	5127.2	5172.1	5207.0
-42.5°	3714.5	3897.7	4060.8	4218.5	4373.8	4535.7	4686.2	4836.4	4911.1	4965.1	5007.9
-45°	3486.1	3656.6	3815.0	3962.7	4122.8	4281.9	4432.4	4565.2	4654.1	4724.4	4779.1
-47.5°	3181.6	3389.2	3548.3	3688.7	3847.5	4001.0	4146.9	4271.8	4369.2	4451.5	4515.0
-50°	2872.3	3071.6	3251.0	3408.7	3556.0	3698.0	3836.9	3959.1	4062.2	4151.3	4215.7
-52.5°	2567.7	2754.4	2932.5	3095.4	3236.9	3370.9	3498.0	3620.9	3729.6	3825.0	3887.2
-55°	2223.6	2417.0	2593.1	2745.0	2886.4	3018.9	3144.3	3260.9	3368.0	3465.1	3524.7
-57.5°	1900.7	2070.4	2234.2	2374.4	2508.0	2634.1	2753.1	2864.6	2967.7	3059.1	3116.6
-60°	1604.0	1727.7	1868.7	1998.1	2116.5	2223.9	2334.8	2438.8	2533.5	2613.8	2667.5
-62.5°	1341.7	1444.2	1546.0	1644.4	1740.5	1837.0	1929.8	2016.1	2095.2	2161.0	2208.0
-65°	1108.0	1190.4	1264.0	1333.7	1400.2	1476.3	1547.0	1613.4	1674.9	1725.3	1761.1
-67.5°	912.3	970.2	1021.1	1069.0	1121.4	1175.2	1225.6	1269.5	1307.1	1337.0	1360.6
-70°	735.7	778.3	816.7	854.9	893.1	928.1	961.5	993.8	1024.5	1049.5	1068.2
-72.5°	576.2	605.2	631.4	660.8	688.4	714.9	738.0	756.6	771.1	785.2	797.4
-75°	439.3	461.2	490.6	515.5	536.1	554.3	571.0	585.9	599.0	610.5	620.7
-77.5°	353.3	371.9	390.6	408.8	426.4	439.5	451.6	463.7	475.6	485.9	494.9
-80°	261.9	275.7	290.2	304.8	319.3	326.5	332.3	337.6	342.3	348.4	354.1
-82.5°	160.1	168.0	176.0	184.2	192.3	194.4	195.1	194.9	193.8	191.6	188.3
-85°	71.2	71.7	71.4	70.6	69.3	66.5	63.0	59.0	54.6	53.9	53.0
-87.5°	15.7	15.3	14.9	14.4	13.9	13.8	13.8	13.7	13.5	14.0	14.4
-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: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-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	0.3
85°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	1.2	1.2
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	0.7	0.0	0.7	1.3	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	0.7	0.0	0.7	1.3	1.3	1.3	1.3	1.3	1.3
67.5°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	0.8	1.1	1.3	1.3
65°	0.4	0.1	0.0	0.0	0.0	0.1	0.4	0.8	1.1	1.4	1.6
62.5°	2.3	2.4	2.5	2.5	2.5	2.4	2.3	2.2	2.1	2.2	2.4
60°	4.6	3.0	2.5	2.5	2.5	3.0	4.6	5.8	6.6	7.2	7.2
57.5°	28.2	21.0	17.9	16.6	17.9	21.0	28.2	33.3	35.9	109.2	132.6
55°	689.0	724.1	750.3	762.4	750.3	724.1	689.0	628.5	544.1	510.6	520.8
52.5°	956.6	971.9	980.7	980.4	980.7	971.9	956.6	940.2	921.5	890.2	860.9
50°	1066.3	1073.7	1076.3	1074.7	1076.3	1073.7	1066.3	1054.8	1048.0	1033.7	981.4
47.5°	1575.1	1438.7	1338.5	1314.4	1338.5	1438.7	1575.1	1636.7	1569.2	1431.8	1276.0
45°	2243.2	2294.9	2346.4	2362.4	2346.4	2294.9	2243.2	2219.6	2170.6	2110.8	2049.0
42.5°	2474.6	2491.4	2501.0	2501.3	2501.0	2491.4	2474.6	2452.6	2400.6	2335.4	2255.2
40°	2585.0	2600.9	2610.1	2611.0	2610.1	2600.9	2585.0	2563.2	2524.1	2466.9	2393.4
37.5°	2685.3	2698.8	2707.7	2716.8	2707.7	2698.8	2685.3	2679.0	2673.8	2615.6	2571.8
35°	3138.5	3035.8	2888.2	2910.6	2888.2	3035.8	3138.5	3150.4	3062.6	2899.4	2977.8
32.5°	3917.8	3960.9	3987.9	4033.7	3987.9	3960.9	3917.8	3878.0	3903.5	3814.3	3622.1
30°	4277.3	4291.6	4313.2	4335.9	4313.2	4291.6	4277.3	4265.9	4258.8	4154.8	4038.8
27.5°	4367.0	4381.8	4395.0	4404.7	4395.0	4381.8	4367.0	4358.6	4342.7	4277.4	4178.8
25°	4414.0	4423.1	4437.1	4449.4	4437.1	4423.1	4414.0	4412.2	4399.4	4359.1	4279.8
22.5°	4437.3	4438.3	4449.2	4464.7	4449.2	4438.3	4437.3	4441.0	4434.6	4417.0	4330.9
20°	4453.3	4444.6	4455.9	4465.9	4455.9	4444.6	4453.3	4459.1	4457.4	4457.8	4386.0
17.5°	4657.2	4540.8	4493.0	4494.0	4493.0	4540.8	4657.2	4541.1	4623.4	4661.3	4642.2
15°	5314.7	5358.3	5525.5	5615.9	5525.5	5358.3	5314.7	5439.9	5328.3	5354.2	5255.1
12.5°	5738.9	5723.4	5703.5	5730.6	5703.5	5723.4	5738.9	5743.0	5764.9	5776.7	5746.8
10°	5758.6	5756.8	5721.4	5759.9	5721.4	5756.8	5758.6	5770.5	5798.4	5818.1	5784.0
7.5°	5746.5	5747.6	5732.5	5770.1	5732.5	5747.6	5746.5	5778.0	5797.2	5808.6	5773.9
5°	5754.5	5728.6	5738.4	5759.9	5738.4	5728.6	5754.5	5757.5	5776.2	5790.0	5769.6
2.5°	5732.3	5729.6	5710.5	5725.5	5710.5	5729.6	5732.3	5744.2	5755.2	5761.2	5761.5
0°	5715.3	5701.3	5701.3	5714.0	5701.3	5701.3	5715.3	5737.0	5756.1	5772.7	5779.1
-2.5°	5745.5	5742.5	5740.7	5731.9	5740.7	5742.5	5745.5	5755.2	5764.7	5772.8	5775.8
-5°	5770.2	5762.7	5741.8	5770.1	5741.8	5762.7	5770.2	5780.9	5796.9	5808.2	5805.0
-7.5°	5796.9	5777.5	5757.7	5802.0	5757.7	5777.5	5796.9	5805.4	5824.5	5839.6	5838.2
-10°	5821.3	5793.3	5774.0	5817.3	5774.0	5793.3	5821.3	5840.9	5857.1	5871.5	5874.1
-12.5°	5853.5	5820.7	5807.8	5831.3	5807.8	5820.7	5853.5	5876.1	5893.7	5904.5	5900.2
-15°	5887.8	5865.1	5862.1	5876.0	5862.1	5865.1	5887.8	5911.5	5925.4	5934.2	5918.5
-17.5°	5917.9	5902.0	5909.9	5925.7	5909.9	5902.0	5917.9	5937.3	5948.8	5952.3	5930.8
-20°	5932.3	5923.4	5932.3	5971.6	5932.3	5923.4	5932.3	5944.6	5952.4	5950.5	5919.3



REPORT NUMBER: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-722-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°	5931.1	5931.6	5947.3	5960.1	5947.3	5931.6	5931.1	5937.7	5937.0	5927.3	5874.9
-25°	5908.4	5920.4	5938.2	5963.9	5938.2	5920.4	5908.4	5907.9	5900.0	5874.6	5821.4
-27.5°	5853.9	5873.7	5892.4	5919.3	5892.4	5873.7	5853.9	5846.2	5832.2	5797.3	5754.1
-30°	5775.0	5798.5	5815.2	5844.1	5815.2	5798.5	5775.0	5760.5	5738.7	5698.8	5633.5
-32.5°	5679.0	5705.6	5725.3	5745.9	5725.3	5705.6	5679.0	5657.0	5633.6	5587.5	5497.6
-35°	5558.9	5587.6	5608.6	5627.4	5608.6	5587.6	5558.9	5530.0	5500.7	5461.2	5358.7
-37.5°	5414.6	5445.6	5469.4	5490.9	5469.4	5445.6	5414.6	5380.0	5349.2	5310.8	5211.2
-40°	5246.6	5278.3	5303.8	5327.8	5303.8	5278.3	5246.6	5207.0	5172.1	5127.2	5040.9
-42.5°	5050.1	5082.2	5108.5	5132.7	5108.5	5082.2	5050.1	5007.9	4965.1	4911.1	4836.4
-45°	4823.2	4856.2	4884.0	4909.6	4884.0	4856.2	4823.2	4779.1	4724.4	4654.1	4565.2
-47.5°	4561.9	4597.2	4621.0	4632.9	4621.0	4597.2	4561.9	4515.0	4451.5	4369.2	4271.8
-50°	4262.3	4297.6	4326.2	4347.4	4326.2	4297.6	4262.3	4215.7	4151.3	4062.2	3959.1
-52.5°	3932.7	3966.2	3990.8	4005.7	3990.8	3966.2	3932.7	3887.2	3825.0	3729.6	3620.9
-55°	3571.6	3606.8	3630.1	3641.1	3630.1	3606.8	3571.6	3524.7	3465.1	3368.0	3260.9
-57.5°	3162.2	3195.6	3220.4	3234.4	3220.4	3195.6	3162.2	3116.6	3059.1	2967.7	2864.6
-60°	2709.2	2739.1	2757.9	2765.2	2757.9	2739.1	2709.2	2667.5	2613.8	2533.5	2438.8
-62.5°	2245.9	2274.2	2291.8	2298.6	2291.8	2274.2	2245.9	2208.0	2161.0	2095.2	2016.1
-65°	1787.8	1805.5	1815.3	1816.7	1815.3	1805.5	1787.8	1761.1	1725.3	1674.9	1613.4
-67.5°	1379.3	1392.8	1400.9	1403.7	1400.9	1392.8	1379.3	1360.6	1337.0	1307.1	1269.5
-70°	1082.2	1091.5	1096.8	1097.7	1096.8	1091.5	1082.2	1068.2	1049.5	1024.5	993.8
-72.5°	806.9	813.6	811.2	805.7	811.2	813.6	806.9	797.4	785.2	771.1	756.6
-75°	629.5	636.8	633.7	628.5	633.7	636.8	629.5	620.7	610.5	599.0	585.9
-77.5°	502.8	509.5	506.2	501.0	506.2	509.5	502.8	494.9	485.9	475.6	463.7
-80°	359.1	363.0	365.8	367.2	365.8	363.0	359.1	354.1	348.4	342.3	337.6
-82.5°	183.8	178.4	175.0	170.8	175.0	178.4	183.8	188.3	191.6	193.8	194.9
-85°	52.0	50.7	51.6	52.3	51.6	50.7	52.0	53.0	53.9	54.6	59.0
-87.5°	14.8	15.2	15.3	15.3	15.3	15.2	14.8	14.4	14.0	13.5	13.7
-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: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-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°	0.6	0.9	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9
85°	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4
67.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.6
65°	1.6	1.5	1.6	1.8	1.8	1.7	1.8	1.8	1.8	1.7	1.6
62.5°	2.5	2.6	2.7	2.8	2.8	3.6	3.2	3.2	3.0	3.6	4.9
60°	6.1	4.8	7.2	8.0	6.9	11.8	20.0	18.0	5.3	28.9	33.3
57.5°	84.3	70.0	146.7	146.3	61.2	82.7	110.8	73.0	47.7	81.8	108.0
55°	588.3	538.7	468.4	460.9	485.3	368.7	308.3	296.7	232.2	150.9	179.3
52.5°	829.4	780.0	732.0	687.3	650.6	611.4	553.8	491.6	471.6	379.8	292.8
50°	938.5	986.5	939.2	823.7	844.2	788.4	707.2	641.0	654.6	598.4	482.5
47.5°	1272.6	1331.2	1332.6	1263.7	1187.0	1163.4	1044.3	837.5	851.4	849.0	726.2
45°	1863.2	1781.5	1812.0	1715.2	1579.7	1504.8	1500.8	1279.5	1074.6	1041.4	1029.5
42.5°	2186.9	2126.4	2063.8	1991.6	1871.8	1752.3	1678.6	1554.2	1389.4	1243.6	1191.9
40°	2317.8	2247.3	2188.8	2129.0	2032.6	1910.2	1850.9	1687.5	1563.6	1437.4	1395.3
37.5°	2475.9	2342.1	2394.4	2281.3	2191.7	2161.9	2115.9	1945.8	1671.4	1648.3	1627.0
35°	2829.1	2704.0	2824.4	2803.1	2446.7	2486.3	2516.9	2307.9	2020.6	1864.8	1868.1
32.5°	3634.8	3346.5	3258.5	3366.3	3179.0	2867.9	2872.4	2808.8	2416.6	2189.8	2090.6
30°	3926.6	3798.5	3659.8	3641.1	3501.5	3321.6	3207.3	3054.4	2768.9	2510.2	2340.1
27.5°	4052.5	3936.3	3819.5	3729.4	3648.6	3526.5	3377.4	3197.6	2994.5	2762.7	2597.5
25°	4142.3	4012.1	3911.5	3812.0	3725.0	3632.5	3480.2	3305.2	3115.7	2928.7	2751.4
22.5°	4214.5	4093.2	3984.8	3877.8	3807.2	3707.8	3570.9	3390.1	3262.9	3144.1	2913.5
20°	4293.4	4176.5	4054.4	4059.6	3955.8	3789.7	3658.2	3568.1	3550.7	3417.0	3119.3
17.5°	4636.1	4314.7	4374.5	4487.7	4258.9	3957.6	3910.7	3915.7	3860.4	3736.1	3365.9
15°	5370.3	4906.0	4910.1	4988.1	4740.2	4370.0	4284.5	4274.1	4187.0	4049.5	3626.3
12.5°	5601.5	5446.4	5417.9	5301.8	5058.3	4781.7	4680.5	4625.6	4466.0	4200.0	3813.6
10°	5679.6	5589.8	5470.4	5353.4	5205.5	5094.4	4950.3	4750.8	4524.3	4267.7	3953.2
7.5°	5688.9	5595.7	5499.5	5388.0	5258.3	5127.9	4985.4	4787.2	4568.1	4316.4	4051.5
5°	5683.5	5590.6	5501.4	5394.8	5263.3	5136.8	5007.7	4811.7	4597.7	4348.3	4116.2
2.5°	5669.6	5575.6	5490.7	5393.9	5262.8	5141.0	5021.5	4838.0	4618.9	4374.5	4137.7
0°	5689.8	5596.8	5516.4	5408.1	5289.5	5148.0	5028.2	4865.0	4629.1	4392.0	4145.9
-2.5°	5698.5	5602.3	5528.7	5406.6	5308.4	5163.9	5042.5	4884.9	4648.4	4422.8	4165.6
-5°	5744.5	5648.9	5552.7	5430.3	5327.0	5191.8	5055.2	4893.0	4662.8	4439.5	4174.5
-7.5°	5774.7	5677.8	5565.9	5447.1	5343.3	5214.4	5063.0	4893.7	4676.1	4439.2	4178.8
-10°	5793.7	5692.3	5581.8	5460.2	5353.0	5220.3	5060.4	4889.5	4673.4	4428.8	4169.4
-12.5°	5820.2	5706.2	5592.4	5454.4	5346.8	5210.5	5050.9	4879.7	4653.4	4409.4	4145.5
-15°	5830.2	5713.0	5580.1	5444.7	5327.2	5194.7	5029.9	4850.7	4618.4	4379.4	4106.6
-17.5°	5834.3	5701.0	5559.3	5429.4	5302.8	5162.3	4988.3	4797.8	4573.6	4326.7	4055.1
-20°	5831.1	5676.0	5530.0	5388.6	5256.0	5113.3	4933.8	4745.2	4509.5	4258.4	3988.6



REPORT NUMBER: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-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°	5771.6	5631.2	5483.4	5330.1	5199.6	5048.3	4872.6	4677.3	4426.2	4183.4	3903.8
-25°	5706.1	5564.2	5411.6	5269.0	5130.1	4979.7	4799.2	4577.8	4339.3	4086.7	3800.9
-27.5°	5628.7	5479.5	5321.8	5176.8	5030.0	4882.0	4695.4	4472.3	4242.8	3966.6	3689.1
-30°	5524.1	5370.2	5209.5	5043.5	4909.3	4758.4	4573.8	4357.3	4110.7	3838.0	3574.0
-32.5°	5382.2	5237.3	5076.6	4918.9	4778.8	4620.4	4434.1	4219.1	3960.3	3702.4	3427.7
-35°	5238.0	5087.9	4934.7	4786.2	4638.6	4472.8	4282.6	4048.5	3801.2	3545.7	3260.7
-37.5°	5073.2	4916.9	4773.0	4631.9	4479.7	4309.7	4099.8	3873.7	3632.6	3351.6	3080.3
-40°	4896.3	4745.8	4588.5	4449.0	4286.6	4115.1	3912.4	3692.6	3427.4	3149.7	2894.7
-42.5°	4686.2	4535.7	4373.8	4218.5	4060.8	3897.7	3714.5	3476.7	3213.9	2952.0	2687.2
-45°	4432.4	4281.9	4122.8	3962.7	3815.0	3656.6	3486.1	3232.6	2973.1	2723.4	2469.3
-47.5°	4146.9	4001.0	3847.5	3688.7	3548.3	3389.2	3181.6	2945.8	2716.0	2478.5	2218.4
-50°	3836.9	3698.0	3556.0	3408.7	3251.0	3071.6	2872.3	2666.5	2439.0	2195.2	1957.6
-52.5°	3498.0	3370.9	3236.9	3095.4	2932.5	2754.4	2567.7	2349.3	2122.3	1915.3	1699.2
-55°	3144.3	3018.9	2886.4	2745.0	2593.1	2417.0	2223.6	2024.9	1839.6	1648.1	1483.3
-57.5°	2753.1	2634.1	2508.0	2374.4	2234.2	2070.4	1900.7	1732.1	1585.4	1436.6	1287.0
-60°	2334.8	2223.9	2116.5	1998.1	1868.7	1727.7	1604.0	1479.5	1355.0	1236.3	1115.8
-62.5°	1929.8	1837.0	1740.5	1644.4	1546.0	1444.2	1341.7	1245.6	1147.5	1046.8	958.1
-65°	1547.0	1476.3	1400.2	1333.7	1264.0	1190.4	1108.0	1032.6	961.3	887.5	812.1
-67.5°	1225.6	1175.2	1121.4	1069.0	1021.1	970.2	912.3	851.4	794.8	740.3	684.7
-70°	961.5	928.1	893.1	854.9	816.7	778.3	735.7	690.9	645.5	604.6	565.4
-72.5°	738.0	714.9	688.4	660.8	631.4	605.2	576.2	545.9	515.2	484.1	454.5
-75°	571.0	554.3	536.1	515.5	490.6	461.2	439.3	424.5	405.9	383.3	358.7
-77.5°	451.6	439.5	426.4	408.8	390.6	371.9	353.3	335.0	316.9	299.8	284.1
-80°	332.3	326.5	319.3	304.8	290.2	275.7	261.9	250.7	240.1	228.5	214.2
-82.5°	195.1	194.4	192.3	184.2	176.0	168.0	160.1	152.2	143.9	135.2	126.3
-85°	63.0	66.5	69.3	70.6	71.4	71.7	71.2	69.2	66.8	64.0	61.0
-87.5°	13.8	13.8	13.9	14.4	14.9	15.3	15.7	16.4	17.1	17.6	18.1
-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: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-722-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°	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.7
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.1	1.2	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.9	2.0
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.9	2.2
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.7	2.0	2.2
75°	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.4	1.7	2.0	2.3
72.5°	1.3	1.3	1.3	1.4	1.6	1.6	1.5	1.4	1.7	2.0	2.3
70°	1.5	1.4	1.3	1.5	1.8	2.0	2.0	2.0	1.8	2.0	2.3
67.5°	1.9	1.9	1.8	1.8	1.8	2.1	2.4	2.8	2.8	2.1	2.4
65°	1.9	2.2	2.6	3.6	3.2	2.2	2.5	5.0	3.9	3.4	2.4
62.5°	4.2	2.3	8.0	10.8	6.1	4.7	3.7	11.1	6.9	4.7	3.4
60°	10.0	8.2	22.4	36.0	25.1	8.5	12.4	19.2	17.7	6.1	4.8
57.5°	93.5	32.1	46.6	67.3	66.1	35.9	26.2	34.9	30.0	17.3	6.7
55°	199.6	168.0	110.9	101.5	109.7	88.6	57.7	56.5	46.4	32.1	11.0
52.5°	273.8	285.7	248.7	173.7	151.3	144.2	112.6	82.0	72.8	48.2	27.9
50°	396.4	369.2	365.4	306.7	212.1	192.0	166.2	128.2	102.2	69.0	47.2
47.5°	560.0	491.9	455.8	429.4	338.5	244.8	218.1	175.3	134.6	99.4	67.4
45°	800.2	635.8	566.0	523.2	463.9	344.3	272.9	221.1	175.4	133.5	88.5
42.5°	1041.5	822.0	691.8	622.7	561.0	456.6	331.5	273.8	215.2	168.1	115.3
40°	1254.4	1014.0	824.0	735.2	656.4	565.2	426.5	330.3	254.2	203.9	145.8
37.5°	1510.8	1232.7	976.1	853.1	758.0	655.8	522.8	389.3	301.1	241.3	176.3
35°	1758.8	1515.7	1146.4	995.5	871.1	748.8	615.6	459.0	358.7	279.4	206.8
32.5°	2025.1	1781.9	1403.6	1154.6	988.2	843.7	702.4	543.7	416.6	317.9	237.3
30°	2234.8	1957.2	1629.2	1313.8	1115.5	949.7	789.0	625.1	474.6	356.7	268.0
27.5°	2345.9	2108.8	1807.3	1491.2	1258.9	1058.4	878.2	702.8	532.5	399.4	300.0
25°	2460.9	2215.7	1934.7	1646.3	1400.4	1173.5	967.0	776.9	595.8	447.5	331.6
22.5°	2598.4	2306.5	2042.0	1769.2	1546.5	1290.1	1060.2	851.9	659.1	494.7	362.7
20°	2736.5	2390.8	2148.0	1936.5	1689.7	1416.3	1157.6	925.0	718.8	540.7	393.2
17.5°	2881.4	2543.9	2327.8	2099.7	1832.5	1538.6	1253.6	995.9	774.8	585.2	422.8
15°	3133.6	2773.2	2508.9	2258.6	1974.6	1656.2	1347.3	1064.0	827.0	628.0	450.3
12.5°	3362.6	2986.7	2690.2	2412.1	2114.3	1768.3	1437.6	1128.8	875.4	662.1	474.8
10°	3552.2	3184.6	2869.4	2559.6	2249.9	1874.2	1523.7	1181.6	904.5	687.5	497.4
7.5°	3707.3	3367.6	3044.1	2699.9	2366.5	1943.4	1567.2	1212.4	926.9	709.2	518.0
5°	3819.5	3489.6	3136.9	2748.7	2402.9	1971.8	1596.7	1237.5	945.1	727.3	536.5
2.5°	3851.8	3527.1	3171.8	2775.5	2427.5	1990.3	1617.8	1256.6	959.0	742.0	553.0
0°	3870.6	3551.8	3193.6	2792.0	2440.1	1999.0	1630.6	1269.8	968.9	753.5	567.3
-2.5°	3896.9	3573.1	3214.7	2834.3	2448.5	2025.8	1637.8	1278.4	981.4	757.6	575.7
-5°	3910.0	3581.4	3224.8	2862.7	2446.3	2041.7	1636.9	1281.1	989.5	759.0	581.8
-7.5°	3904.2	3578.6	3225.2	2871.7	2435.3	2045.4	1628.0	1278.2	992.8	758.0	585.6
-10°	3886.6	3564.1	3212.8	2848.6	2425.1	2031.0	1612.1	1270.1	990.9	754.7	587.0
-12.5°	3859.8	3537.0	3187.7	2815.5	2403.8	2001.2	1593.5	1256.2	982.9	749.5	586.1
-15°	3825.1	3497.5	3149.4	2773.3	2368.9	1961.5	1565.4	1236.0	967.3	743.6	582.6
-17.5°	3780.5	3446.1	3097.9	2723.3	2319.8	1912.4	1527.7	1209.6	947.8	736.3	575.6
-20°	3700.9	3377.0	3032.4	2666.4	2255.9	1854.2	1480.2	1177.2	924.6	726.0	565.6



REPORT NUMBER: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-722-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°	3611.5	3291.4	2950.8	2589.7	2179.0	1787.2	1422.9	1138.6	897.9	712.6	553.5
-25°	3516.2	3195.1	2855.9	2483.6	2094.1	1716.5	1365.4	1094.0	867.7	696.1	539.5
-27.5°	3404.2	3086.0	2748.4	2366.7	1995.5	1634.5	1310.3	1054.5	838.6	676.3	523.7
-30°	3278.3	2957.8	2614.0	2242.0	1887.3	1539.5	1248.5	1012.3	813.9	654.7	506.0
-32.5°	3134.0	2816.5	2465.2	2114.3	1773.1	1438.8	1180.3	967.1	785.4	631.9	489.6
-35°	2969.8	2652.0	2307.4	1977.2	1652.1	1357.5	1113.6	919.1	753.1	607.1	472.3
-37.5°	2798.8	2475.6	2149.6	1834.0	1523.5	1269.4	1053.5	871.8	717.0	580.6	453.2
-40°	2603.5	2294.0	1984.0	1686.6	1412.1	1174.9	988.6	825.1	682.9	552.4	432.4
-42.5°	2402.2	2103.5	1811.2	1530.5	1302.2	1097.9	920.6	774.8	646.8	525.1	409.8
-45°	2185.3	1902.5	1627.5	1399.0	1190.4	1016.3	861.1	722.7	608.4	497.2	386.4
-47.5°	1956.5	1690.5	1460.6	1261.9	1095.3	934.4	797.8	677.6	568.1	467.3	363.0
-50°	1714.0	1493.1	1306.8	1142.9	992.9	860.6	734.7	630.4	531.1	434.3	338.4
-52.5°	1499.2	1322.2	1168.1	1027.7	902.5	783.1	680.4	581.9	493.0	402.7	312.8
-55°	1315.2	1170.1	1040.0	923.2	813.0	716.5	623.9	538.9	453.9	371.0	286.8
-57.5°	1156.2	1029.4	925.3	823.9	732.8	650.6	572.5	495.0	416.3	338.2	266.2
-60°	1003.5	908.9	816.2	734.6	657.6	587.8	524.0	451.0	378.5	305.4	243.4
-62.5°	871.6	790.8	720.7	649.6	585.6	528.8	475.1	408.1	339.5	275.1	218.6
-65°	748.0	685.9	626.2	569.5	516.5	468.2	424.8	364.0	300.4	242.9	192.8
-67.5°	630.6	583.8	537.0	489.4	447.6	408.6	371.5	316.5	259.6	209.0	167.3
-70°	525.7	485.8	449.1	413.7	379.8	347.3	312.3	265.9	217.0	178.7	141.2
-72.5°	426.7	397.5	367.0	338.0	312.9	284.3	252.1	215.9	181.7	147.8	114.5
-75°	335.0	315.8	294.3	271.2	247.9	222.3	201.1	175.8	145.9	116.4	92.2
-77.5°	268.1	249.3	227.8	209.4	193.7	176.3	156.9	135.0	111.3	90.5	71.3
-80°	197.8	183.4	171.2	160.6	146.1	130.2	114.2	98.2	80.9	64.8	49.9
-82.5°	120.6	117.5	114.1	109.2	97.2	85.3	73.7	62.3	50.0	38.7	32.0
-85°	60.3	59.1	57.3	54.7	47.3	40.1	36.7	33.3	29.2	25.2	21.4
-87.5°	19.8	21.3	22.5	23.4	21.7	20.1	18.4	16.7	14.6	12.6	10.7
-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: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-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°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
85°	1.3	1.1	0.9	0.7	0.4	0.3	0.0
82.5°	1.9	1.6	1.3	1.0	0.7	0.4	0.0
80°	2.5	2.2	1.7	1.3	0.9	0.5	0.0
77.5°	2.5	2.5	2.2	1.6	1.1	0.7	0.0
75°	2.5	2.6	2.5	1.9	1.3	0.8	0.0
72.5°	2.6	2.7	2.6	2.2	1.5	1.0	0.0
70°	2.6	2.8	2.8	2.5	1.8	1.1	0.0
67.5°	2.9	2.9	2.9	2.7	2.0	1.2	0.0
65°	3.4	3.3	3.0	2.8	2.2	1.4	0.0
62.5°	4.0	4.2	3.2	2.9	2.4	1.5	0.0
60°	4.7	5.1	3.3	3.0	2.7	1.6	0.0
57.5°	8.7	6.1	4.3	3.2	2.8	1.7	0.0
55°	13.9	7.2	5.4	3.3	3.0	1.9	0.0
52.5°	19.9	9.2	6.5	3.5	3.1	2.0	0.0
50°	26.9	15.8	7.6	3.6	3.3	2.1	0.0
47.5°	36.1	22.8	8.9	4.0	3.4	2.2	0.0
45°	54.5	30.4	10.1	4.9	3.6	2.4	0.0
42.5°	73.4	38.4	11.5	5.9	3.7	2.5	0.0
40°	92.6	46.9	15.4	7.1	3.9	2.6	0.0
37.5°	112.3	55.9	22.1	8.7	4.1	2.7	0.0
35°	132.2	69.4	28.8	10.4	4.2	2.8	0.0
32.5°	153.8	85.1	35.7	12.3	4.4	2.9	0.0
30°	178.5	100.7	42.6	14.3	4.6	3.0	0.0
27.5°	202.8	116.2	51.1	16.4	4.7	3.1	0.0
25°	226.4	131.3	59.8	18.7	4.9	3.2	0.0
22.5°	249.4	146.8	68.5	21.1	5.1	3.3	0.0
20°	271.6	163.4	77.1	23.5	5.2	3.4	0.0
17.5°	293.5	179.4	85.6	26.0	5.4	3.4	0.0
15°	314.6	194.9	93.9	28.5	5.6	3.5	0.0
12.5°	334.3	209.6	101.9	31.0	5.7	3.6	0.0
10°	352.6	223.5	109.5	33.4	5.9	3.6	0.0
7.5°	369.4	236.5	116.7	35.8	6.0	3.7	0.0
5°	384.7	248.4	123.4	38.0	6.2	3.7	0.0
2.5°	398.4	259.3	129.6	40.2	6.3	3.8	0.0
0°	410.5	269.0	135.1	42.1	6.4	3.8	0.0
-2.5°	416.5	275.1	140.2	44.8	7.4	4.0	0.0
-5°	420.9	280.0	144.6	47.4	8.4	4.2	0.0
-7.5°	423.7	283.5	148.2	49.6	9.3	4.4	0.0
-10°	425.0	285.7	150.9	51.6	10.2	4.6	0.0
-12.5°	424.8	286.6	152.7	53.2	11.1	4.8	0.0
-15°	423.1	286.2	153.6	54.5	11.9	4.9	0.0
-17.5°	420.0	284.5	153.5	55.5	12.7	5.1	0.0
-20°	415.2	281.4	152.4	56.0	13.4	5.2	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645439 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	408.3	277.1	150.2	56.2	14.0	5.3	0.0
-25°	399.7	270.5	147.0	55.9	14.6	5.4	0.0
-27.5°	389.6	262.2	142.7	55.2	15.1	5.5	0.0
-30°	377.8	252.7	137.4	54.1	15.5	5.5	0.0
-32.5°	364.5	242.2	131.1	52.5	15.8	5.5	0.0
-35°	350.1	230.5	124.2	50.4	16.0	5.5	0.0
-37.5°	334.6	218.8	116.5	47.9	16.1	5.5	0.0
-40°	317.9	208.1	108.2	44.9	16.1	5.4	0.0
-42.5°	300.0	196.8	101.9	41.7	16.0	5.3	0.0
-45°	281.1	184.6	97.6	38.4	15.8	5.2	0.0
-47.5°	261.0	171.8	92.5	34.7	15.5	5.1	0.0
-50°	244.3	158.3	86.6	33.5	15.1	5.0	0.0
-52.5°	227.5	144.2	80.0	32.8	14.6	4.8	0.0
-55°	210.1	133.5	72.7	31.8	14.1	4.6	0.0
-57.5°	192.0	122.7	64.7	30.4	13.4	4.4	0.0
-60°	173.6	110.8	56.3	28.7	12.6	4.1	0.0
-62.5°	156.9	98.0	52.3	26.6	11.9	3.8	0.0
-65°	138.9	84.4	47.7	24.3	11.0	3.6	0.0
-67.5°	119.9	72.9	42.6	21.7	10.1	3.3	0.0
-70°	99.7	63.8	37.1	18.8	9.1	2.9	0.0
-72.5°	84.4	54.0	31.1	16.6	8.1	2.6	0.0
-75°	69.0	43.6	24.7	14.4	7.1	2.3	0.0
-77.5°	52.8	32.7	20.4	12.1	5.9	1.9	0.0
-80°	36.0	24.9	16.5	9.8	4.8	1.5	0.0
-82.5°	26.4	18.8	12.5	7.4	3.6	1.2	0.0
-85°	17.7	12.6	8.4	5.0	2.4	0.8	0.0
-87.5°	8.9	6.3	4.2	2.5	1.2	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)