

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: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1E-722-U-LAM-XX**

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/28/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA1E-722-U-LAM-XX  
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

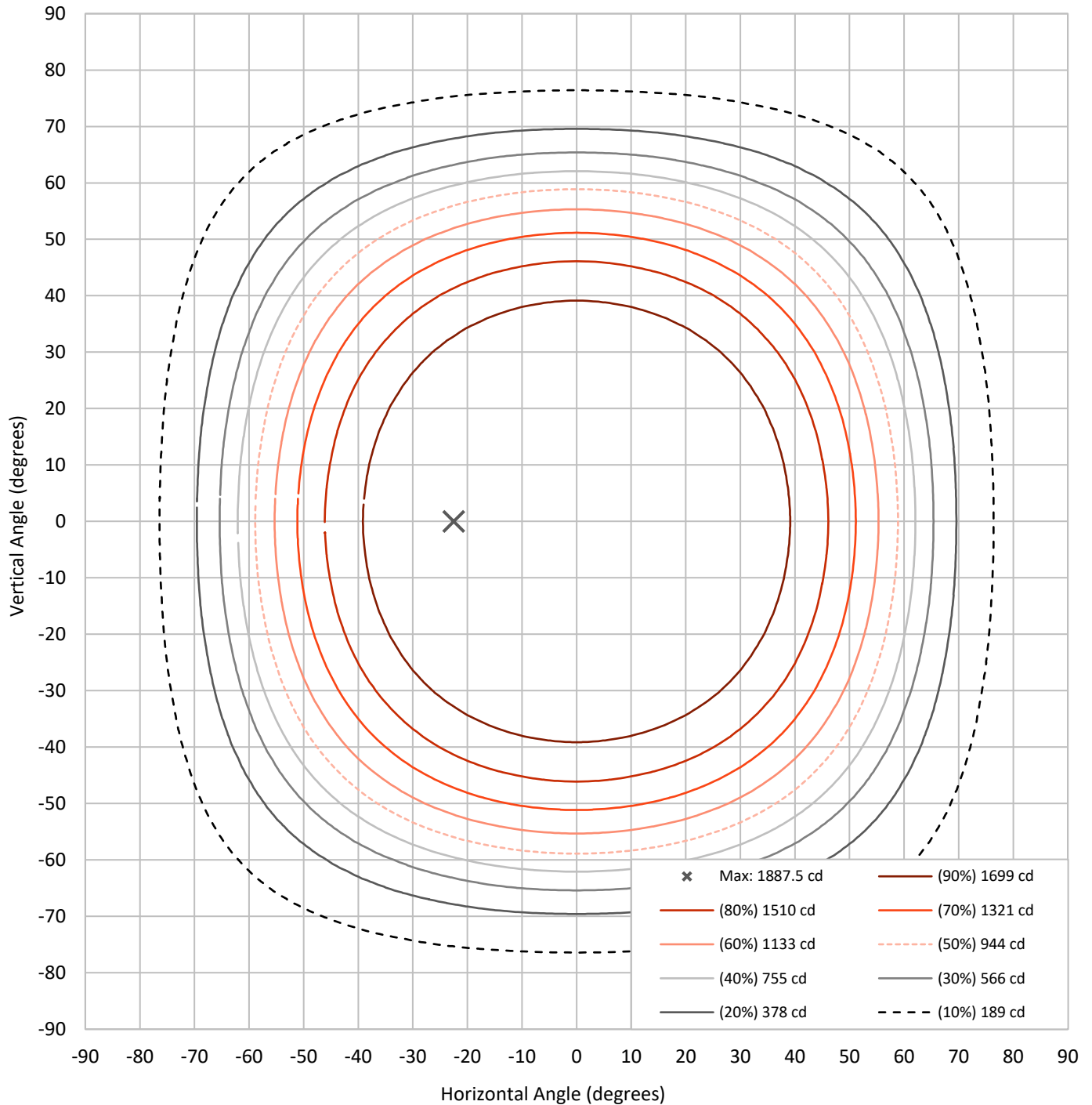
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	5774 lumens	Max Intensity:	1887.5 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	87.2 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	4805.3 lumens	Field Lumens:	5660.5 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	66.2		
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: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1E-722-U-LAM-XX

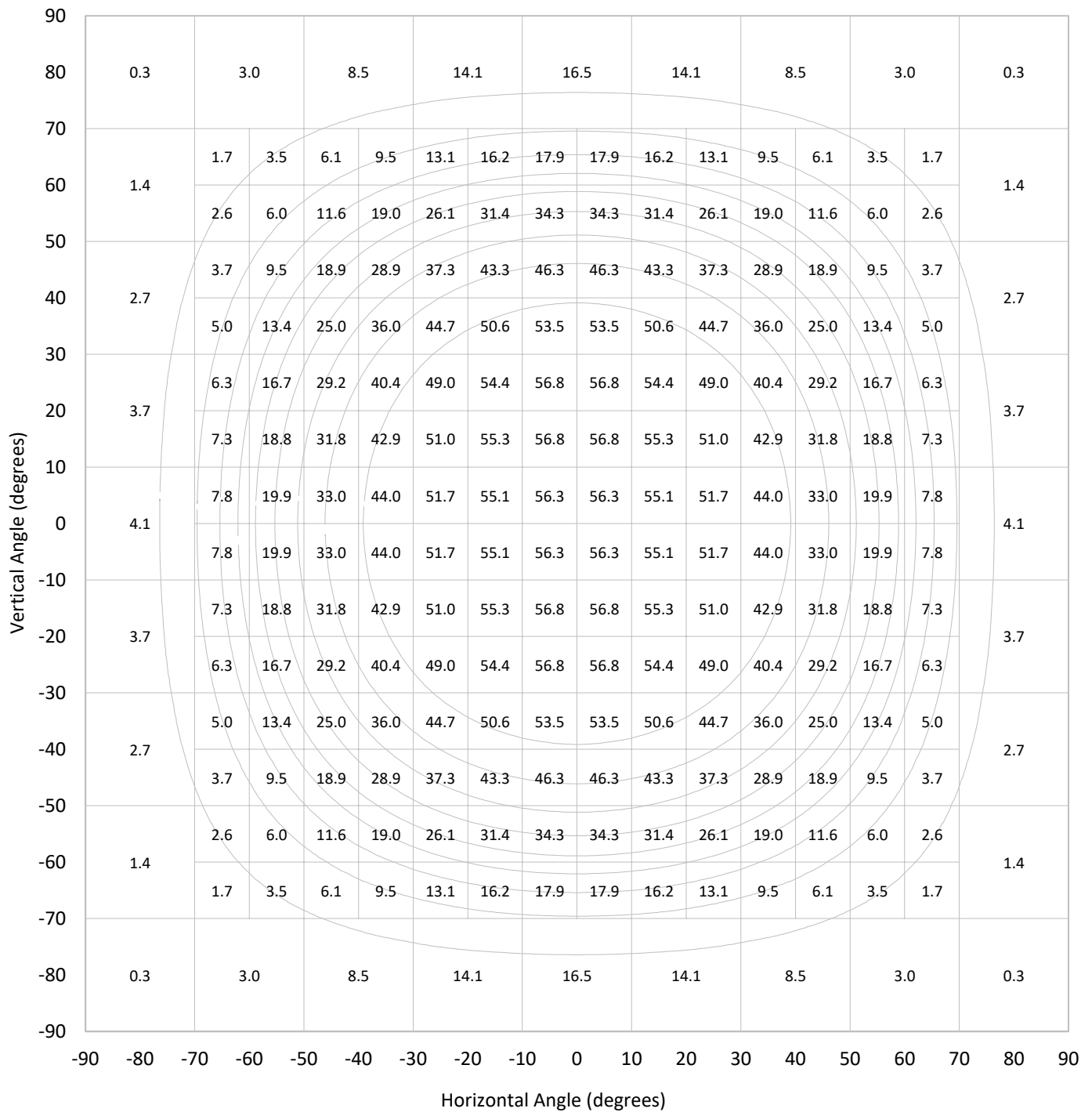
### Iso-Candela Plot





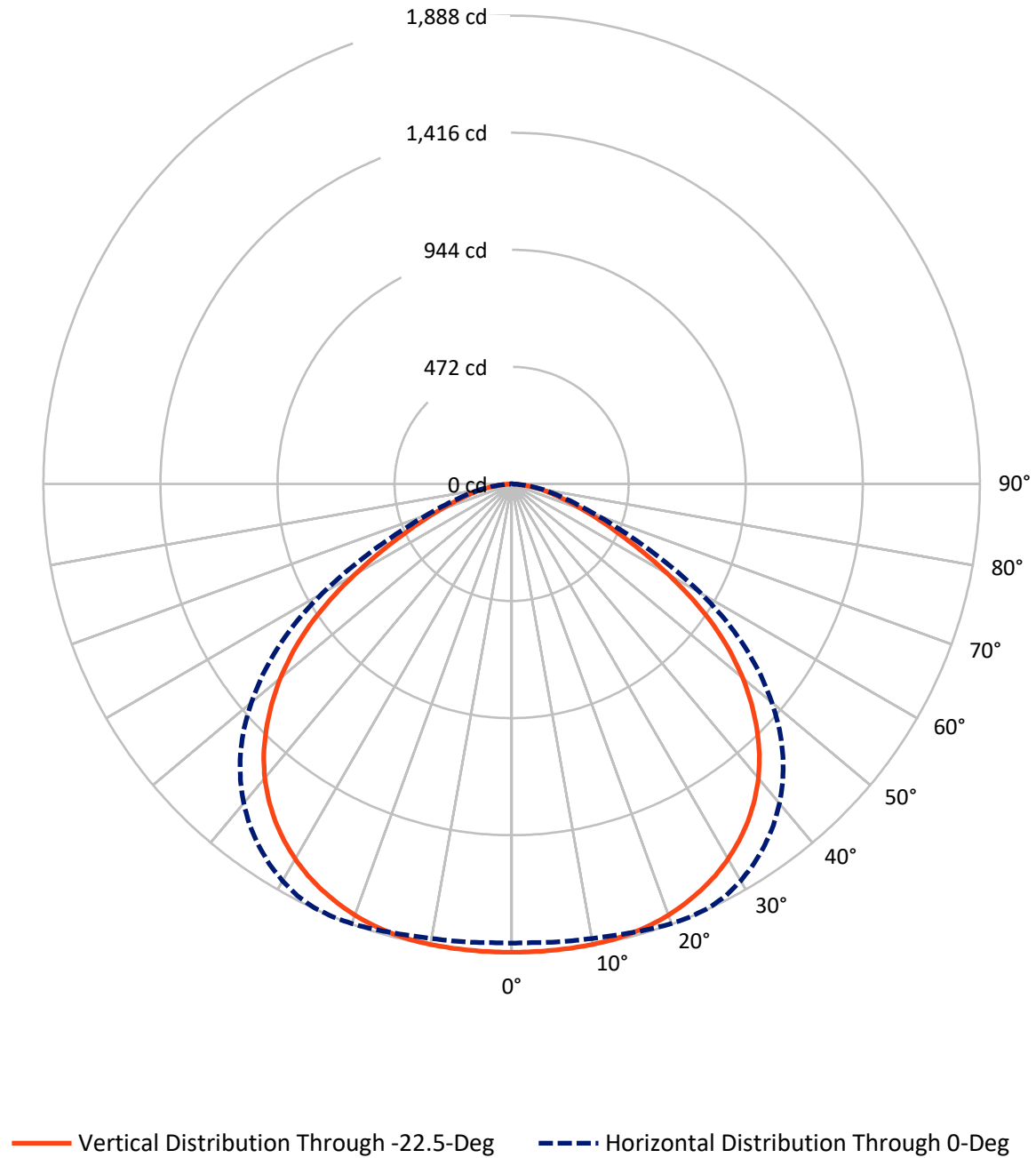
REPORT NUMBER: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-722-U-LAM-XX

### Lumen Table



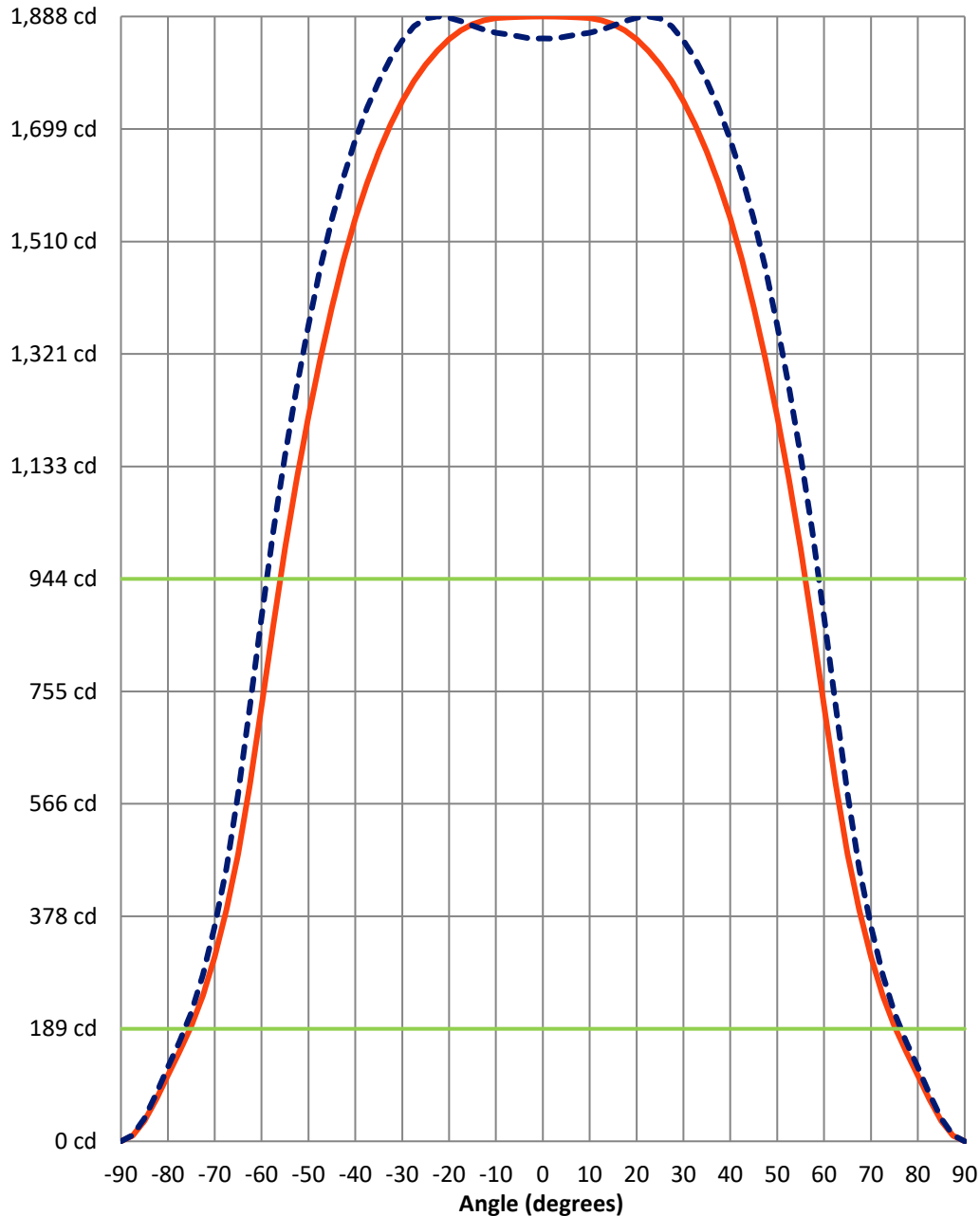
REPORT NUMBER: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1E-722-U-LAM-XX

### Luminous Intensity Polar Plot



REPORT NUMBER: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-722-U-LAM-XX

### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 4805.3  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 5660.5  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 113.5  
 Efficiency: 2.0%

— Vertical Distribution through -22.5-Deg  
 - - Horizontal Distribution through 0-Deg



REPORT NUMBER: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-LAM-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	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.5	3.9	4.4
85°	0.0	0.9	1.8	2.7	3.6	4.5	5.3	6.2	7.0	7.9	8.7
82.5°	0.0	1.3	2.7	4.0	5.4	6.7	8.0	9.3	11.0	14.4	17.7
80°	0.0	1.8	3.6	5.4	7.1	8.9	11.2	15.8	20.5	25.0	29.5
77.5°	0.0	2.2	4.5	6.7	8.9	12.4	18.3	24.1	29.9	35.6	42.5
75°	0.0	2.7	5.3	8.0	11.2	18.3	25.4	32.4	39.7	49.6	59.3
72.5°	0.0	3.1	6.2	9.3	15.8	24.1	32.4	41.5	53.2	64.7	76.0
70°	0.0	3.5	7.0	11.0	20.5	29.9	39.7	53.2	66.5	79.7	93.9
67.5°	0.0	3.9	7.9	14.4	25.0	35.6	49.6	64.7	79.7	95.9	111.8
65°	0.0	4.4	8.7	17.7	29.5	42.5	59.3	76.0	93.9	111.8	129.3
62.5°	0.0	4.8	9.5	21.0	33.9	50.4	68.9	88.0	107.9	127.4	145.9
60°	0.0	5.1	10.3	24.3	38.2	58.2	78.2	100.0	121.5	142.0	162.1
57.5°	0.0	5.5	12.4	27.4	44.2	65.9	88.2	111.7	134.4	156.4	179.5
55°	0.0	5.9	14.4	30.5	50.1	73.3	98.0	123.1	146.9	170.8	197.1
52.5°	0.0	6.3	16.4	33.4	55.9	80.6	107.5	133.7	159.0	186.2	214.2
50°	0.0	6.6	18.3	36.3	61.4	88.2	116.7	144.0	171.2	201.2	235.5
47.5°	0.0	7.0	20.1	39.4	66.8	95.6	125.5	153.9	184.0	215.7	256.7
45°	0.0	7.3	21.9	43.2	72.0	102.8	133.7	163.5	196.4	233.9	277.1
42.5°	0.0	7.6	23.6	46.9	76.9	109.6	141.5	173.3	208.3	251.5	301.2
40°	0.0	7.9	25.2	50.5	81.9	116.1	149.0	183.2	220.8	268.4	325.0
37.5°	0.0	8.2	26.8	53.8	86.8	122.3	156.1	192.7	235.1	285.6	347.7
35°	0.0	8.4	28.2	57.0	91.5	128.0	162.8	201.6	248.5	304.9	370.9
32.5°	0.0	8.7	29.6	60.0	95.9	133.2	169.4	210.0	261.2	323.1	395.2
30°	0.0	8.9	30.9	62.8	100.0	138.1	176.1	218.4	273.1	340.1	418.0
27.5°	0.0	9.1	32.0	65.4	103.8	142.7	182.3	228.0	285.2	355.9	439.2
25°	0.0	9.3	33.1	67.7	107.3	146.9	188.1	236.9	298.1	372.4	459.1
22.5°	0.0	9.5	34.1	69.9	110.5	150.7	193.3	244.9	309.8	388.3	482.2
20°	0.0	9.7	35.0	71.9	113.3	154.1	198.0	252.2	320.4	402.7	503.2
17.5°	0.0	9.8	35.8	73.6	115.9	157.2	202.2	258.6	329.8	415.5	521.8
15°	0.0	9.9	36.5	75.1	118.1	159.9	205.8	264.3	338.0	426.7	538.0
12.5°	0.0	10.1	37.1	76.4	120.0	162.1	208.9	269.1	345.0	436.2	551.9
10°	0.0	10.1	37.5	77.4	121.5	164.0	211.5	273.0	350.7	444.0	563.2
7.5°	0.0	10.2	37.9	78.2	122.7	165.4	213.4	276.0	355.2	450.1	572.1
5°	0.0	10.3	38.2	78.8	123.6	166.5	214.9	278.2	358.4	454.5	578.5
2.5°	0.0	10.3	38.3	79.2	124.1	167.1	215.7	279.6	360.4	457.1	582.3
0°	0.0	10.3	38.4	79.3	124.3	167.3	216.0	280.0	361.0	458.0	583.6
-2.5°	0.0	10.3	38.3	79.2	124.1	167.1	215.7	279.6	360.4	457.1	582.3
-5°	0.0	10.3	38.2	78.8	123.6	166.5	214.9	278.2	358.4	454.5	578.5
-7.5°	0.0	10.2	37.9	78.2	122.7	165.4	213.4	276.0	355.2	450.1	572.1
-10°	0.0	10.1	37.5	77.4	121.5	164.0	211.5	273.0	350.7	444.0	563.2
-12.5°	0.0	10.1	37.1	76.4	120.0	162.1	208.9	269.1	345.0	436.2	551.9
-15°	0.0	9.9	36.5	75.1	118.1	159.9	205.8	264.3	338.0	426.7	538.0
-17.5°	0.0	9.8	35.8	73.6	115.9	157.2	202.2	258.6	329.8	415.5	521.8
-20°	0.0	9.7	35.0	71.9	113.3	154.1	198.0	252.2	320.4	402.7	503.2

Classified

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

Scaled Data Report



REPORT NUMBER: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	9.5	34.1	69.9	110.5	150.7	193.3	244.9	309.8	388.3	482.2
-25°	0.0	9.3	33.1	67.7	107.3	146.9	188.1	236.9	298.1	372.4	459.1
-27.5°	0.0	9.1	32.0	65.4	103.8	142.7	182.3	228.0	285.2	355.9	439.2
-30°	0.0	8.9	30.9	62.8	100.0	138.1	176.1	218.4	273.1	340.1	418.0
-32.5°	0.0	8.7	29.6	60.0	95.9	133.2	169.4	210.0	261.2	323.1	395.2
-35°	0.0	8.4	28.2	57.0	91.5	128.0	162.8	201.6	248.5	304.9	370.9
-37.5°	0.0	8.2	26.8	53.8	86.8	122.3	156.1	192.7	235.1	285.6	347.7
-40°	0.0	7.9	25.2	50.5	81.9	116.1	149.0	183.2	220.8	268.4	325.0
-42.5°	0.0	7.6	23.6	46.9	76.9	109.6	141.5	173.3	208.3	251.5	301.2
-45°	0.0	7.3	21.9	43.2	72.0	102.8	133.7	163.5	196.4	233.9	277.1
-47.5°	0.0	7.0	20.1	39.4	66.8	95.6	125.5	153.9	184.0	215.7	256.7
-50°	0.0	6.6	18.3	36.3	61.4	88.2	116.7	144.0	171.2	201.2	235.5
-52.5°	0.0	6.3	16.4	33.4	55.9	80.6	107.5	133.7	159.0	186.2	214.2
-55°	0.0	5.9	14.4	30.5	50.1	73.3	98.0	123.1	146.9	170.8	197.1
-57.5°	0.0	5.5	12.4	27.4	44.2	65.9	88.2	111.7	134.4	156.4	179.5
-60°	0.0	5.1	10.3	24.3	38.2	58.2	78.2	100.0	121.5	142.0	162.1
-62.5°	0.0	4.8	9.5	21.0	33.9	50.4	68.9	88.0	107.9	127.4	145.9
-65°	0.0	4.4	8.7	17.7	29.5	42.5	59.3	76.0	93.9	111.8	129.3
-67.5°	0.0	3.9	7.9	14.4	25.0	35.6	49.6	64.7	79.7	95.9	111.8
-70°	0.0	3.5	7.0	11.0	20.5	29.9	39.7	53.2	66.5	79.7	93.9
-72.5°	0.0	3.1	6.2	9.3	15.8	24.1	32.4	41.5	53.2	64.7	76.0
-75°	0.0	2.7	5.3	8.0	11.2	18.3	25.4	32.4	39.7	49.6	59.3
-77.5°	0.0	2.2	4.5	6.7	8.9	12.4	18.3	24.1	29.9	35.6	42.5
-80°	0.0	1.8	3.6	5.4	7.1	8.9	11.2	15.8	20.5	25.0	29.5
-82.5°	0.0	1.3	2.7	4.0	5.4	6.7	8.0	9.3	11.0	14.4	17.7
-85°	0.0	0.9	1.8	2.7	3.6	4.5	5.3	6.2	7.0	7.9	8.7
-87.5°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.5	3.9	4.4
-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: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-LAM-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°	4.8	5.1	5.5	5.9	6.3	6.6	7.0	7.3	7.6	7.9	8.2
85°	9.5	10.3	12.4	14.4	16.4	18.3	20.1	21.9	23.6	25.2	26.8
82.5°	21.0	24.3	27.4	30.5	33.4	36.3	39.4	43.2	46.9	50.5	53.8
80°	33.9	38.2	44.2	50.1	55.9	61.4	66.8	72.0	76.9	81.9	86.8
77.5°	50.4	58.2	65.9	73.3	80.6	88.2	95.6	102.8	109.6	116.1	122.3
75°	68.9	78.2	88.2	98.0	107.5	116.7	125.5	133.7	141.5	149.0	156.1
72.5°	88.0	100.0	111.7	123.1	133.7	144.0	153.9	163.5	173.3	183.2	192.7
70°	107.9	121.5	134.4	146.9	159.0	171.2	184.0	196.4	208.3	220.8	235.1
67.5°	127.4	142.0	156.4	170.8	186.2	201.2	215.7	233.9	251.5	268.4	285.6
65°	145.9	162.1	179.5	197.1	214.2	235.5	256.7	277.1	301.2	325.0	347.7
62.5°	164.0	183.8	203.6	225.2	249.9	274.0	301.9	330.4	357.9	388.7	418.8
60°	183.8	205.8	230.9	258.6	287.2	320.4	352.7	388.3	424.3	459.1	501.7
57.5°	203.6	230.9	261.6	294.6	331.6	368.9	410.8	451.4	500.1	548.7	597.1
55°	225.2	258.6	294.6	335.3	377.9	424.4	473.0	529.7	584.6	645.7	704.2
52.5°	249.9	287.2	331.6	377.9	429.0	484.9	547.7	612.6	680.9	747.2	812.3
50°	274.0	320.4	368.9	424.4	484.9	553.7	626.7	702.2	776.8	849.6	917.7
47.5°	301.9	352.7	410.8	473.0	547.7	626.7	709.4	791.7	872.1	946.8	1018.4
45°	330.4	388.3	451.4	529.7	612.6	702.2	791.7	879.7	961.5	1038.6	1106.1
42.5°	357.9	424.3	500.1	584.6	680.9	776.8	872.1	961.5	1045.3	1119.5	1187.3
40°	388.7	459.1	548.7	645.7	747.2	849.6	946.8	1038.6	1119.5	1193.5	1262.1
37.5°	418.8	501.7	597.1	704.2	812.3	917.7	1018.4	1106.1	1187.3	1262.1	1328.0
35°	447.3	542.3	648.5	760.9	874.4	981.6	1079.5	1168.9	1249.6	1322.2	1389.5
32.5°	479.1	580.7	697.1	815.4	931.0	1040.2	1137.2	1224.6	1304.9	1378.6	1445.5
30°	511.8	622.0	743.3	866.7	984.2	1091.0	1187.8	1276.3	1355.9	1428.8	1494.3
27.5°	542.3	661.0	787.3	913.2	1032.8	1138.6	1234.1	1321.3	1401.3	1474.6	1538.1
25°	570.5	697.1	828.1	955.7	1073.6	1179.7	1276.1	1363.2	1442.8	1513.1	1574.9
22.5°	598.3	730.1	865.4	994.7	1111.2	1216.4	1312.0	1399.3	1478.9	1548.6	1607.8
20°	625.3	760.9	898.4	1029.3	1145.3	1249.8	1344.7	1431.8	1509.3	1576.8	1635.7
17.5°	649.4	788.3	927.2	1057.3	1173.3	1278.3	1373.6	1461.0	1536.6	1602.2	1659.8
15°	670.4	812.3	952.4	1081.7	1197.4	1302.0	1397.3	1483.7	1558.9	1623.9	1681.1
12.5°	688.3	832.7	974.0	1102.6	1218.0	1322.3	1417.6	1502.8	1576.7	1640.9	1696.9
10°	703.0	849.6	991.7	1119.8	1235.0	1339.1	1434.4	1518.7	1591.5	1655.0	1710.0
7.5°	714.5	862.7	1005.6	1133.3	1248.3	1352.2	1447.5	1531.1	1603.1	1666.1	1720.4
5°	722.8	872.1	1015.5	1142.9	1257.8	1361.6	1457.0	1540.0	1611.5	1674.1	1727.9
2.5°	727.7	877.8	1021.5	1148.8	1263.6	1367.3	1462.7	1545.4	1616.5	1679.0	1732.4
0°	729.4	879.7	1023.5	1150.7	1265.5	1369.2	1464.6	1547.2	1618.2	1680.6	1733.9
-2.5°	727.7	877.8	1021.5	1148.8	1263.6	1367.3	1462.7	1545.4	1616.5	1679.0	1732.4
-5°	722.8	872.1	1015.5	1142.9	1257.8	1361.6	1457.0	1540.0	1611.5	1674.1	1727.9
-7.5°	714.5	862.7	1005.6	1133.3	1248.3	1352.2	1447.5	1531.1	1603.1	1666.1	1720.4
-10°	703.0	849.6	991.7	1119.8	1235.0	1339.1	1434.4	1518.7	1591.5	1655.0	1710.0
-12.5°	688.3	832.7	974.0	1102.6	1218.0	1322.3	1417.6	1502.8	1576.7	1640.9	1696.9
-15°	670.4	812.3	952.4	1081.7	1197.4	1302.0	1397.3	1483.7	1558.9	1623.9	1681.1
-17.5°	649.4	788.3	927.2	1057.3	1173.3	1278.3	1373.6	1461.0	1536.6	1602.2	1659.8
-20°	625.3	760.9	898.4	1029.3	1145.3	1249.8	1344.7	1431.8	1509.3	1576.8	1635.7

Classified

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

Scaled Data Report



REPORT NUMBER: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	598.3	730.1	865.4	994.7	1111.2	1216.4	1312.0	1399.3	1478.9	1548.6	1607.8
-25°	570.5	697.1	828.1	955.7	1073.6	1179.7	1276.1	1363.2	1442.8	1513.1	1574.9
-27.5°	542.3	661.0	787.3	913.2	1032.8	1138.6	1234.1	1321.3	1401.3	1474.6	1538.1
-30°	511.8	622.0	743.3	866.7	984.2	1091.0	1187.8	1276.3	1355.9	1428.8	1494.3
-32.5°	479.1	580.7	697.1	815.4	931.0	1040.2	1137.2	1224.6	1304.9	1378.6	1445.5
-35°	447.3	542.3	648.5	760.9	874.4	981.6	1079.5	1168.9	1249.6	1322.2	1389.5
-37.5°	418.8	501.7	597.1	704.2	812.3	917.7	1018.4	1106.1	1187.3	1262.1	1328.0
-40°	388.7	459.1	548.7	645.7	747.2	849.6	946.8	1038.6	1119.5	1193.5	1262.1
-42.5°	357.9	424.3	500.1	584.6	680.9	776.8	872.1	961.5	1045.3	1119.5	1187.3
-45°	330.4	388.3	451.4	529.7	612.6	702.2	791.7	879.7	961.5	1038.6	1106.1
-47.5°	301.9	352.7	410.8	473.0	547.7	626.7	709.4	791.7	872.1	946.8	1018.4
-50°	274.0	320.4	368.9	424.4	484.9	553.7	626.7	702.2	776.8	849.6	917.7
-52.5°	249.9	287.2	331.6	377.9	429.0	484.9	547.7	612.6	680.9	747.2	812.3
-55°	225.2	258.6	294.6	335.3	377.9	424.4	473.0	529.7	584.6	645.7	704.2
-57.5°	203.6	230.9	261.6	294.6	331.6	368.9	410.8	451.4	500.1	548.7	597.1
-60°	183.8	205.8	230.9	258.6	287.2	320.4	352.7	388.3	424.3	459.1	501.7
-62.5°	164.0	183.8	203.6	225.2	249.9	274.0	301.9	330.4	357.9	388.7	418.8
-65°	145.9	162.1	179.5	197.1	214.2	235.5	256.7	277.1	301.2	325.0	347.7
-67.5°	127.4	142.0	156.4	170.8	186.2	201.2	215.7	233.9	251.5	268.4	285.6
-70°	107.9	121.5	134.4	146.9	159.0	171.2	184.0	196.4	208.3	220.8	235.1
-72.5°	88.0	100.0	111.7	123.1	133.7	144.0	153.9	163.5	173.3	183.2	192.7
-75°	68.9	78.2	88.2	98.0	107.5	116.7	125.5	133.7	141.5	149.0	156.1
-77.5°	50.4	58.2	65.9	73.3	80.6	88.2	95.6	102.8	109.6	116.1	122.3
-80°	33.9	38.2	44.2	50.1	55.9	61.4	66.8	72.0	76.9	81.9	86.8
-82.5°	21.0	24.3	27.4	30.5	33.4	36.3	39.4	43.2	46.9	50.5	53.8
-85°	9.5	10.3	12.4	14.4	16.4	18.3	20.1	21.9	23.6	25.2	26.8
-87.5°	4.8	5.1	5.5	5.9	6.3	6.6	7.0	7.3	7.6	7.9	8.2
-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: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-722-U-LAM-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°	8.4	8.7	8.9	9.1	9.3	9.5	9.7	9.8	9.9	10.1	10.1
85°	28.2	29.6	30.9	32.0	33.1	34.1	35.0	35.8	36.5	37.1	37.5
82.5°	57.0	60.0	62.8	65.4	67.7	69.9	71.9	73.6	75.1	76.4	77.4
80°	91.5	95.9	100.0	103.8	107.3	110.5	113.3	115.9	118.1	120.0	121.5
77.5°	128.0	133.2	138.1	142.7	146.9	150.7	154.1	157.2	159.9	162.1	164.0
75°	162.8	169.4	176.1	182.3	188.1	193.3	198.0	202.2	205.8	208.9	211.5
72.5°	201.6	210.0	218.4	228.0	236.9	244.9	252.2	258.6	264.3	269.1	273.0
70°	248.5	261.2	273.1	285.2	298.1	309.8	320.4	329.8	338.0	345.0	350.7
67.5°	304.9	323.1	340.1	355.9	372.4	388.3	402.7	415.5	426.7	436.2	444.0
65°	370.9	395.2	418.0	439.2	459.1	482.2	503.2	521.8	538.0	551.9	563.2
62.5°	447.3	479.1	511.8	542.3	570.5	598.3	625.3	649.4	670.4	688.3	703.0
60°	542.3	580.7	622.0	661.0	697.1	730.1	760.9	788.3	812.3	832.7	849.6
57.5°	648.5	697.1	743.3	787.3	828.1	865.4	898.4	927.2	952.4	974.0	991.7
55°	760.9	815.4	866.7	913.2	955.7	994.7	1029.3	1057.3	1081.7	1102.6	1119.8
52.5°	874.4	931.0	984.2	1032.8	1073.6	1111.2	1145.3	1173.3	1197.4	1218.0	1235.0
50°	981.6	1040.2	1091.0	1138.6	1179.7	1216.4	1249.8	1278.3	1302.0	1322.3	1339.1
47.5°	1079.5	1137.2	1187.8	1234.1	1276.1	1312.0	1344.7	1373.6	1397.3	1417.6	1434.4
45°	1168.9	1224.6	1276.3	1321.3	1363.2	1399.3	1431.8	1461.0	1483.7	1502.8	1518.7
42.5°	1249.6	1304.9	1355.9	1401.3	1442.8	1478.9	1509.3	1536.6	1558.9	1576.7	1591.5
40°	1322.2	1378.6	1428.8	1474.6	1513.1	1548.6	1576.8	1602.2	1623.9	1640.9	1655.0
37.5°	1389.5	1445.5	1494.3	1538.1	1574.9	1607.8	1635.7	1659.8	1681.1	1696.9	1710.0
35°	1451.1	1504.2	1552.5	1592.7	1629.1	1660.2	1687.7	1709.9	1729.7	1744.7	1756.7
32.5°	1504.2	1556.9	1601.7	1641.3	1676.9	1705.9	1732.2	1752.6	1770.5	1785.0	1796.1
30°	1552.5	1601.7	1645.4	1684.7	1717.1	1745.3	1769.0	1788.9	1805.5	1819.2	1829.0
27.5°	1592.7	1641.3	1684.7	1720.8	1751.8	1779.0	1800.7	1819.9	1834.3	1846.9	1855.4
25°	1629.1	1676.9	1717.1	1751.8	1781.9	1806.7	1827.4	1844.7	1857.5	1868.4	1874.7
22.5°	1660.2	1705.9	1745.3	1779.0	1806.7	1829.9	1849.4	1864.1	1874.6	1881.1	1884.8
20°	1687.7	1732.2	1769.0	1800.7	1827.4	1849.4	1866.3	1877.1	1884.4	1886.2	1887.3
17.5°	1709.9	1752.6	1788.9	1819.9	1844.7	1864.1	1877.1	1884.8	1887.0	1886.6	1885.5
15°	1729.7	1770.5	1805.5	1834.3	1857.5	1874.6	1884.4	1887.0	1886.3	1884.1	1880.8
12.5°	1744.7	1785.0	1819.2	1846.9	1868.4	1881.1	1886.2	1886.6	1884.1	1879.9	1875.1
10°	1756.7	1796.1	1829.0	1855.4	1874.7	1884.8	1887.3	1885.5	1880.8	1875.1	1869.7
7.5°	1766.1	1804.9	1836.8	1862.1	1878.8	1886.0	1886.5	1883.1	1877.4	1870.9	1865.2
5°	1773.0	1811.3	1842.4	1867.0	1881.8	1886.8	1885.9	1881.2	1874.6	1867.9	1862.5
2.5°	1777.1	1815.2	1845.8	1870.0	1883.6	1887.3	1885.5	1880.1	1872.8	1865.9	1860.8
0°	1778.5	1816.5	1847.0	1871.0	1884.2	1887.5	1885.4	1879.7	1872.2	1865.2	1860.2
-2.5°	1777.1	1815.2	1845.8	1870.0	1883.6	1887.3	1885.5	1880.1	1872.8	1865.9	1860.8
-5°	1773.0	1811.3	1842.4	1867.0	1881.8	1886.8	1885.9	1881.2	1874.6	1867.9	1862.5
-7.5°	1766.1	1804.9	1836.8	1862.1	1878.8	1886.0	1886.5	1883.1	1877.4	1870.9	1865.2
-10°	1756.7	1796.1	1829.0	1855.4	1874.7	1884.8	1887.3	1885.5	1880.8	1875.1	1869.7
-12.5°	1744.7	1785.0	1819.2	1846.9	1868.4	1881.1	1886.2	1886.6	1884.1	1879.9	1875.1
-15°	1729.7	1770.5	1805.5	1834.3	1857.5	1874.6	1884.4	1887.0	1886.3	1884.1	1880.8
-17.5°	1709.9	1752.6	1788.9	1819.9	1844.7	1864.1	1877.1	1884.8	1887.0	1886.6	1885.5
-20°	1687.7	1732.2	1769.0	1800.7	1827.4	1849.4	1866.3	1877.1	1884.4	1886.2	1887.3



REPORT NUMBER: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1660.2	1705.9	1745.3	1779.0	1806.7	1829.9	1849.4	1864.1	1874.6	1881.1	1884.8
-25°	1629.1	1676.9	1717.1	1751.8	1781.9	1806.7	1827.4	1844.7	1857.5	1868.4	1874.7
-27.5°	1592.7	1641.3	1684.7	1720.8	1751.8	1779.0	1800.7	1819.9	1834.3	1846.9	1855.4
-30°	1552.5	1601.7	1645.4	1684.7	1717.1	1745.3	1769.0	1788.9	1805.5	1819.2	1829.0
-32.5°	1504.2	1556.9	1601.7	1641.3	1676.9	1705.9	1732.2	1752.6	1770.5	1785.0	1796.1
-35°	1451.1	1504.2	1552.5	1592.7	1629.1	1660.2	1687.7	1709.9	1729.7	1744.7	1756.7
-37.5°	1389.5	1445.5	1494.3	1538.1	1574.9	1607.8	1635.7	1659.8	1681.1	1696.9	1710.0
-40°	1322.2	1378.6	1428.8	1474.6	1513.1	1548.6	1576.8	1602.2	1623.9	1640.9	1655.0
-42.5°	1249.6	1304.9	1355.9	1401.3	1442.8	1478.9	1509.3	1536.6	1558.9	1576.7	1591.5
-45°	1168.9	1224.6	1276.3	1321.3	1363.2	1399.3	1431.8	1461.0	1483.7	1502.8	1518.7
-47.5°	1079.5	1137.2	1187.8	1234.1	1276.1	1312.0	1344.7	1373.6	1397.3	1417.6	1434.4
-50°	981.6	1040.2	1091.0	1138.6	1179.7	1216.4	1249.8	1278.3	1302.0	1322.3	1339.1
-52.5°	874.4	931.0	984.2	1032.8	1073.6	1111.2	1145.3	1173.3	1197.4	1218.0	1235.0
-55°	760.9	815.4	866.7	913.2	955.7	994.7	1029.3	1057.3	1081.7	1102.6	1119.8
-57.5°	648.5	697.1	743.3	787.3	828.1	865.4	898.4	927.2	952.4	974.0	991.7
-60°	542.3	580.7	622.0	661.0	697.1	730.1	760.9	788.3	812.3	832.7	849.6
-62.5°	447.3	479.1	511.8	542.3	570.5	598.3	625.3	649.4	670.4	688.3	703.0
-65°	370.9	395.2	418.0	439.2	459.1	482.2	503.2	521.8	538.0	551.9	563.2
-67.5°	304.9	323.1	340.1	355.9	372.4	388.3	402.7	415.5	426.7	436.2	444.0
-70°	248.5	261.2	273.1	285.2	298.1	309.8	320.4	329.8	338.0	345.0	350.7
-72.5°	201.6	210.0	218.4	228.0	236.9	244.9	252.2	258.6	264.3	269.1	273.0
-75°	162.8	169.4	176.1	182.3	188.1	193.3	198.0	202.2	205.8	208.9	211.5
-77.5°	128.0	133.2	138.1	142.7	146.9	150.7	154.1	157.2	159.9	162.1	164.0
-80°	91.5	95.9	100.0	103.8	107.3	110.5	113.3	115.9	118.1	120.0	121.5
-82.5°	57.0	60.0	62.8	65.4	67.7	69.9	71.9	73.6	75.1	76.4	77.4
-85°	28.2	29.6	30.9	32.0	33.1	34.1	35.0	35.8	36.5	37.1	37.5
-87.5°	8.4	8.7	8.9	9.1	9.3	9.5	9.7	9.8	9.9	10.1	10.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-722-U-LAM-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°	10.2	10.3	10.3	10.3	10.3	10.3	10.2	10.1	10.1	9.9	9.8
85°	37.9	38.2	38.3	38.4	38.3	38.2	37.9	37.5	37.1	36.5	35.8
82.5°	78.2	78.8	79.2	79.3	79.2	78.8	78.2	77.4	76.4	75.1	73.6
80°	122.7	123.6	124.1	124.3	124.1	123.6	122.7	121.5	120.0	118.1	115.9
77.5°	165.4	166.5	167.1	167.3	167.1	166.5	165.4	164.0	162.1	159.9	157.2
75°	213.4	214.9	215.7	216.0	215.7	214.9	213.4	211.5	208.9	205.8	202.2
72.5°	276.0	278.2	279.6	280.0	279.6	278.2	276.0	273.0	269.1	264.3	258.6
70°	355.2	358.4	360.4	361.0	360.4	358.4	355.2	350.7	345.0	338.0	329.8
67.5°	450.1	454.5	457.1	458.0	457.1	454.5	450.1	444.0	436.2	426.7	415.5
65°	572.1	578.5	582.3	583.6	582.3	578.5	572.1	563.2	551.9	538.0	521.8
62.5°	714.5	722.8	727.7	729.4	727.7	722.8	714.5	703.0	688.3	670.4	649.4
60°	862.7	872.1	877.8	879.7	877.8	872.1	862.7	849.6	832.7	812.3	788.3
57.5°	1005.6	1015.5	1021.5	1023.5	1021.5	1015.5	1005.6	991.7	974.0	952.4	927.2
55°	1133.3	1142.9	1148.8	1150.7	1148.8	1142.9	1133.3	1119.8	1102.6	1081.7	1057.3
52.5°	1248.3	1257.8	1263.6	1265.5	1263.6	1257.8	1248.3	1235.0	1218.0	1197.4	1173.3
50°	1352.2	1361.6	1367.3	1369.2	1367.3	1361.6	1352.2	1339.1	1322.3	1302.0	1278.3
47.5°	1447.5	1457.0	1462.7	1464.6	1462.7	1457.0	1447.5	1434.4	1417.6	1397.3	1373.6
45°	1531.1	1540.0	1545.4	1547.2	1545.4	1540.0	1531.1	1518.7	1502.8	1483.7	1461.0
42.5°	1603.1	1611.5	1616.5	1618.2	1616.5	1611.5	1603.1	1591.5	1576.7	1558.9	1536.6
40°	1666.1	1674.1	1679.0	1680.6	1679.0	1674.1	1666.1	1655.0	1640.9	1623.9	1602.2
37.5°	1720.4	1727.9	1732.4	1733.9	1732.4	1727.9	1720.4	1710.0	1696.9	1681.1	1659.8
35°	1766.1	1773.0	1777.1	1778.5	1777.1	1773.0	1766.1	1756.7	1744.7	1729.7	1709.9
32.5°	1804.9	1811.3	1815.2	1816.5	1815.2	1811.3	1804.9	1796.1	1785.0	1770.5	1752.6
30°	1836.8	1842.4	1845.8	1847.0	1845.8	1842.4	1836.8	1829.0	1819.2	1805.5	1788.9
27.5°	1862.1	1867.0	1870.0	1871.0	1870.0	1867.0	1862.1	1855.4	1846.9	1834.3	1819.9
25°	1878.8	1881.8	1883.6	1884.2	1883.6	1881.8	1878.8	1874.7	1868.4	1857.5	1844.7
22.5°	1886.0	1886.8	1887.3	1887.5	1887.3	1886.8	1886.0	1884.8	1881.1	1874.6	1864.1
20°	1886.5	1885.9	1885.5	1885.4	1885.5	1885.9	1886.5	1887.3	1886.2	1884.4	1877.1
17.5°	1883.1	1881.2	1880.1	1879.7	1880.1	1881.2	1883.1	1885.5	1886.6	1887.0	1884.8
15°	1877.4	1874.6	1872.8	1872.2	1872.8	1874.6	1877.4	1880.8	1884.1	1886.3	1887.0
12.5°	1870.9	1867.9	1865.9	1865.2	1865.9	1867.9	1870.9	1875.1	1879.9	1884.1	1886.6
10°	1865.2	1862.5	1860.8	1860.2	1860.8	1862.5	1865.2	1869.7	1875.1	1880.8	1885.5
7.5°	1861.4	1859.1	1857.9	1857.4	1857.9	1859.1	1861.4	1865.2	1870.9	1877.4	1883.1
5°	1859.1	1856.8	1854.8	1854.0	1854.8	1856.8	1859.1	1862.5	1867.9	1874.6	1881.2
2.5°	1857.9	1854.8	1851.8	1850.3	1851.8	1854.8	1857.9	1860.8	1865.9	1872.8	1880.1
0°	1857.4	1854.0	1850.3	1850.7	1850.3	1854.0	1857.4	1860.2	1865.2	1872.2	1879.7
-2.5°	1857.9	1854.8	1851.8	1850.3	1851.8	1854.8	1857.9	1860.8	1865.9	1872.8	1880.1
-5°	1859.1	1856.8	1854.8	1854.0	1854.8	1856.8	1859.1	1862.5	1867.9	1874.6	1881.2
-7.5°	1861.4	1859.1	1857.9	1857.4	1857.9	1859.1	1861.4	1865.2	1870.9	1877.4	1883.1
-10°	1865.2	1862.5	1860.8	1860.2	1860.8	1862.5	1865.2	1869.7	1875.1	1880.8	1885.5
-12.5°	1870.9	1867.9	1865.9	1865.2	1865.9	1867.9	1870.9	1875.1	1879.9	1884.1	1886.6
-15°	1877.4	1874.6	1872.8	1872.2	1872.8	1874.6	1877.4	1880.8	1884.1	1886.3	1887.0
-17.5°	1883.1	1881.2	1880.1	1879.7	1880.1	1881.2	1883.1	1885.5	1886.6	1887.0	1884.8
-20°	1886.5	1885.9	1885.5	1885.4	1885.5	1885.9	1886.5	1887.3	1886.2	1884.4	1877.1



REPORT NUMBER: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-722-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1886.0	1886.8	1887.3	1887.5	1887.3	1886.8	1886.0	1884.8	1881.1	1874.6	1864.1
-25°	1878.8	1881.8	1883.6	1884.2	1883.6	1881.8	1878.8	1874.7	1868.4	1857.5	1844.7
-27.5°	1862.1	1867.0	1870.0	1871.0	1870.0	1867.0	1862.1	1855.4	1846.9	1834.3	1819.9
-30°	1836.8	1842.4	1845.8	1847.0	1845.8	1842.4	1836.8	1829.0	1819.2	1805.5	1788.9
-32.5°	1804.9	1811.3	1815.2	1816.5	1815.2	1811.3	1804.9	1796.1	1785.0	1770.5	1752.6
-35°	1766.1	1773.0	1777.1	1778.5	1777.1	1773.0	1766.1	1756.7	1744.7	1729.7	1709.9
-37.5°	1720.4	1727.9	1732.4	1733.9	1732.4	1727.9	1720.4	1710.0	1696.9	1681.1	1659.8
-40°	1666.1	1674.1	1679.0	1680.6	1679.0	1674.1	1666.1	1655.0	1640.9	1623.9	1602.2
-42.5°	1603.1	1611.5	1616.5	1618.2	1616.5	1611.5	1603.1	1591.5	1576.7	1558.9	1536.6
-45°	1531.1	1540.0	1545.4	1547.2	1545.4	1540.0	1531.1	1518.7	1502.8	1483.7	1461.0
-47.5°	1447.5	1457.0	1462.7	1464.6	1462.7	1457.0	1447.5	1434.4	1417.6	1397.3	1373.6
-50°	1352.2	1361.6	1367.3	1369.2	1367.3	1361.6	1352.2	1339.1	1322.3	1302.0	1278.3
-52.5°	1248.3	1257.8	1263.6	1265.5	1263.6	1257.8	1248.3	1235.0	1218.0	1197.4	1173.3
-55°	1133.3	1142.9	1148.8	1150.7	1148.8	1142.9	1133.3	1119.8	1102.6	1081.7	1057.3
-57.5°	1005.6	1015.5	1021.5	1023.5	1021.5	1015.5	1005.6	991.7	974.0	952.4	927.2
-60°	862.7	872.1	877.8	879.7	877.8	872.1	862.7	849.6	832.7	812.3	788.3
-62.5°	714.5	722.8	727.7	729.4	727.7	722.8	714.5	703.0	688.3	670.4	649.4
-65°	572.1	578.5	582.3	583.6	582.3	578.5	572.1	563.2	551.9	538.0	521.8
-67.5°	450.1	454.5	457.1	458.0	457.1	454.5	450.1	444.0	436.2	426.7	415.5
-70°	355.2	358.4	360.4	361.0	360.4	358.4	355.2	350.7	345.0	338.0	329.8
-72.5°	276.0	278.2	279.6	280.0	279.6	278.2	276.0	273.0	269.1	264.3	258.6
-75°	213.4	214.9	215.7	216.0	215.7	214.9	213.4	211.5	208.9	205.8	202.2
-77.5°	165.4	166.5	167.1	167.3	167.1	166.5	165.4	164.0	162.1	159.9	157.2
-80°	122.7	123.6	124.1	124.3	124.1	123.6	122.7	121.5	120.0	118.1	115.9
-82.5°	78.2	78.8	79.2	79.3	79.2	78.8	78.2	77.4	76.4	75.1	73.6
-85°	37.9	38.2	38.3	38.4	38.3	38.2	37.9	37.5	37.1	36.5	35.8
-87.5°	10.2	10.3	10.3	10.3	10.3	10.3	10.2	10.1	10.1	9.9	9.8
-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: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-722-U-LAM-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°	9.7	9.5	9.3	9.1	8.9	8.7	8.4	8.2	7.9	7.6	7.3
85°	35.0	34.1	33.1	32.0	30.9	29.6	28.2	26.8	25.2	23.6	21.9
82.5°	71.9	69.9	67.7	65.4	62.8	60.0	57.0	53.8	50.5	46.9	43.2
80°	113.3	110.5	107.3	103.8	100.0	95.9	91.5	86.8	81.9	76.9	72.0
77.5°	154.1	150.7	146.9	142.7	138.1	133.2	128.0	122.3	116.1	109.6	102.8
75°	198.0	193.3	188.1	182.3	176.1	169.4	162.8	156.1	149.0	141.5	133.7
72.5°	252.2	244.9	236.9	228.0	218.4	210.0	201.6	192.7	183.2	173.3	163.5
70°	320.4	309.8	298.1	285.2	273.1	261.2	248.5	235.1	220.8	208.3	196.4
67.5°	402.7	388.3	372.4	355.9	340.1	323.1	304.9	285.6	268.4	251.5	233.9
65°	503.2	482.2	459.1	439.2	418.0	395.2	370.9	347.7	325.0	301.2	277.1
62.5°	625.3	598.3	570.5	542.3	511.8	479.1	447.3	418.8	388.7	357.9	330.4
60°	760.9	730.1	697.1	661.0	622.0	580.7	542.3	501.7	459.1	424.3	388.3
57.5°	898.4	865.4	828.1	787.3	743.3	697.1	648.5	597.1	548.7	500.1	451.4
55°	1029.3	994.7	955.7	913.2	866.7	815.4	760.9	704.2	645.7	584.6	529.7
52.5°	1145.3	1111.2	1073.6	1032.8	984.2	931.0	874.4	812.3	747.2	680.9	612.6
50°	1249.8	1216.4	1179.7	1138.6	1091.0	1040.2	981.6	917.7	849.6	776.8	702.2
47.5°	1344.7	1312.0	1276.1	1234.1	1187.8	1137.2	1079.5	1018.4	946.8	872.1	791.7
45°	1431.8	1399.3	1363.2	1321.3	1276.3	1224.6	1168.9	1106.1	1038.6	961.5	879.7
42.5°	1509.3	1478.9	1442.8	1401.3	1355.9	1304.9	1249.6	1187.3	1119.5	1045.3	961.5
40°	1576.8	1548.6	1513.1	1474.6	1428.8	1378.6	1322.2	1262.1	1193.5	1119.5	1038.6
37.5°	1635.7	1607.8	1574.9	1538.1	1494.3	1445.5	1389.5	1328.0	1262.1	1187.3	1106.1
35°	1687.7	1660.2	1629.1	1592.7	1552.5	1504.2	1451.1	1389.5	1322.2	1249.6	1168.9
32.5°	1732.2	1705.9	1676.9	1641.3	1601.7	1556.9	1504.2	1445.5	1378.6	1304.9	1224.6
30°	1769.0	1745.3	1717.1	1684.7	1645.4	1601.7	1552.5	1494.3	1428.8	1355.9	1276.3
27.5°	1800.7	1779.0	1751.8	1720.8	1684.7	1641.3	1592.7	1538.1	1474.6	1401.3	1321.3
25°	1827.4	1806.7	1781.9	1751.8	1717.1	1676.9	1629.1	1574.9	1513.1	1442.8	1363.2
22.5°	1849.4	1829.9	1806.7	1779.0	1745.3	1705.9	1660.2	1607.8	1548.6	1478.9	1399.3
20°	1866.3	1849.4	1827.4	1800.7	1769.0	1732.2	1687.7	1635.7	1576.8	1509.3	1431.8
17.5°	1877.1	1864.1	1844.7	1819.9	1788.9	1752.6	1709.9	1659.8	1602.2	1536.6	1461.0
15°	1884.4	1874.6	1857.5	1834.3	1805.5	1770.5	1729.7	1681.1	1623.9	1558.9	1483.7
12.5°	1886.2	1881.1	1868.4	1846.9	1819.2	1785.0	1744.7	1696.9	1640.9	1576.7	1502.8
10°	1887.3	1884.8	1874.7	1855.4	1829.0	1796.1	1756.7	1710.0	1655.0	1591.5	1518.7
7.5°	1886.5	1886.0	1878.8	1862.1	1836.8	1804.9	1766.1	1720.4	1666.1	1603.1	1531.1
5°	1885.9	1886.8	1881.8	1867.0	1842.4	1811.3	1773.0	1727.9	1674.1	1611.5	1540.0
2.5°	1885.5	1887.3	1883.6	1870.0	1845.8	1815.2	1777.1	1732.4	1679.0	1616.5	1545.4
0°	1885.4	1887.5	1884.2	1871.0	1847.0	1816.5	1778.5	1733.9	1680.6	1618.2	1547.2
-2.5°	1885.5	1887.3	1883.6	1870.0	1845.8	1815.2	1777.1	1732.4	1679.0	1616.5	1545.4
-5°	1885.9	1886.8	1881.8	1867.0	1842.4	1811.3	1773.0	1727.9	1674.1	1611.5	1540.0
-7.5°	1886.5	1886.0	1878.8	1862.1	1836.8	1804.9	1766.1	1720.4	1666.1	1603.1	1531.1
-10°	1887.3	1884.8	1874.7	1855.4	1829.0	1796.1	1756.7	1710.0	1655.0	1591.5	1518.7
-12.5°	1886.2	1881.1	1868.4	1846.9	1819.2	1785.0	1744.7	1696.9	1640.9	1576.7	1502.8
-15°	1884.4	1874.6	1857.5	1834.3	1805.5	1770.5	1729.7	1681.1	1623.9	1558.9	1483.7
-17.5°	1877.1	1864.1	1844.7	1819.9	1788.9	1752.6	1709.9	1659.8	1602.2	1536.6	1461.0
-20°	1866.3	1849.4	1827.4	1800.7	1769.0	1732.2	1687.7	1635.7	1576.8	1509.3	1431.8

Classified

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

Scaled Data Report



REPORT NUMBER: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1849.4	1829.9	1806.7	1779.0	1745.3	1705.9	1660.2	1607.8	1548.6	1478.9	1399.3
-25°	1827.4	1806.7	1781.9	1751.8	1717.1	1676.9	1629.1	1574.9	1513.1	1442.8	1363.2
-27.5°	1800.7	1779.0	1751.8	1720.8	1684.7	1641.3	1592.7	1538.1	1474.6	1401.3	1321.3
-30°	1769.0	1745.3	1717.1	1684.7	1645.4	1601.7	1552.5	1494.3	1428.8	1355.9	1276.3
-32.5°	1732.2	1705.9	1676.9	1641.3	1601.7	1556.9	1504.2	1445.5	1378.6	1304.9	1224.6
-35°	1687.7	1660.2	1629.1	1592.7	1552.5	1504.2	1451.1	1389.5	1322.2	1249.6	1168.9
-37.5°	1635.7	1607.8	1574.9	1538.1	1494.3	1445.5	1389.5	1328.0	1262.1	1187.3	1106.1
-40°	1576.8	1548.6	1513.1	1474.6	1428.8	1378.6	1322.2	1262.1	1193.5	1119.5	1038.6
-42.5°	1509.3	1478.9	1442.8	1401.3	1355.9	1304.9	1249.6	1187.3	1119.5	1045.3	961.5
-45°	1431.8	1399.3	1363.2	1321.3	1276.3	1224.6	1168.9	1106.1	1038.6	961.5	879.7
-47.5°	1344.7	1312.0	1276.1	1234.1	1187.8	1137.2	1079.5	1018.4	946.8	872.1	791.7
-50°	1249.8	1216.4	1179.7	1138.6	1091.0	1040.2	981.6	917.7	849.6	776.8	702.2
-52.5°	1145.3	1111.2	1073.6	1032.8	984.2	931.0	874.4	812.3	747.2	680.9	612.6
-55°	1029.3	994.7	955.7	913.2	866.7	815.4	760.9	704.2	645.7	584.6	529.7
-57.5°	898.4	865.4	828.1	787.3	743.3	697.1	648.5	597.1	548.7	500.1	451.4
-60°	760.9	730.1	697.1	661.0	622.0	580.7	542.3	501.7	459.1	424.3	388.3
-62.5°	625.3	598.3	570.5	542.3	511.8	479.1	447.3	418.8	388.7	357.9	330.4
-65°	503.2	482.2	459.1	439.2	418.0	395.2	370.9	347.7	325.0	301.2	277.1
-67.5°	402.7	388.3	372.4	355.9	340.1	323.1	304.9	285.6	268.4	251.5	233.9
-70°	320.4	309.8	298.1	285.2	273.1	261.2	248.5	235.1	220.8	208.3	196.4
-72.5°	252.2	244.9	236.9	228.0	218.4	210.0	201.6	192.7	183.2	173.3	163.5
-75°	198.0	193.3	188.1	182.3	176.1	169.4	162.8	156.1	149.0	141.5	133.7
-77.5°	154.1	150.7	146.9	142.7	138.1	133.2	128.0	122.3	116.1	109.6	102.8
-80°	113.3	110.5	107.3	103.8	100.0	95.9	91.5	86.8	81.9	76.9	72.0
-82.5°	71.9	69.9	67.7	65.4	62.8	60.0	57.0	53.8	50.5	46.9	43.2
-85°	35.0	34.1	33.1	32.0	30.9	29.6	28.2	26.8	25.2	23.6	21.9
-87.5°	9.7	9.5	9.3	9.1	8.9	8.7	8.4	8.2	7.9	7.6	7.3
-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: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1E-722-U-LAM-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°	7.0	6.6	6.3	5.9	5.5	5.1	4.8	4.4	3.9	3.5	3.1
85°	20.1	18.3	16.4	14.4	12.4	10.3	9.5	8.7	7.9	7.0	6.2
82.5°	39.4	36.3	33.4	30.5	27.4	24.3	21.0	17.7	14.4	11.0	9.3
80°	66.8	61.4	55.9	50.1	44.2	38.2	33.9	29.5	25.0	20.5	15.8
77.5°	95.6	88.2	80.6	73.3	65.9	58.2	50.4	42.5	35.6	29.9	24.1
75°	125.5	116.7	107.5	98.0	88.2	78.2	68.9	59.3	49.6	39.7	32.4
72.5°	153.9	144.0	133.7	123.1	111.7	100.0	88.0	76.0	64.7	53.2	41.5
70°	184.0	171.2	159.0	146.9	134.4	121.5	107.9	93.9	79.7	66.5	53.2
67.5°	215.7	201.2	186.2	170.8	156.4	142.0	127.4	111.8	95.9	79.7	64.7
65°	256.7	235.5	214.2	197.1	179.5	162.1	145.9	129.3	111.8	93.9	76.0
62.5°	301.9	274.0	249.9	225.2	203.6	183.8	164.0	145.9	127.4	107.9	88.0
60°	352.7	320.4	287.2	258.6	230.9	205.8	183.8	162.1	142.0	121.5	100.0
57.5°	410.8	368.9	331.6	294.6	261.6	230.9	203.6	179.5	156.4	134.4	111.7
55°	473.0	424.4	377.9	335.3	294.6	258.6	225.2	197.1	170.8	146.9	123.1
52.5°	547.7	484.9	429.0	377.9	331.6	287.2	249.9	214.2	186.2	159.0	133.7
50°	626.7	553.7	484.9	424.4	368.9	320.4	274.0	235.5	201.2	171.2	144.0
47.5°	709.4	626.7	547.7	473.0	410.8	352.7	301.9	256.7	215.7	184.0	153.9
45°	791.7	702.2	612.6	529.7	451.4	388.3	330.4	277.1	233.9	196.4	163.5
42.5°	872.1	776.8	680.9	584.6	500.1	424.3	357.9	301.2	251.5	208.3	173.3
40°	946.8	849.6	747.2	645.7	548.7	459.1	388.7	325.0	268.4	220.8	183.2
37.5°	1018.4	917.7	812.3	704.2	597.1	501.7	418.8	347.7	285.6	235.1	192.7
35°	1079.5	981.6	874.4	760.9	648.5	542.3	447.3	370.9	304.9	248.5	201.6
32.5°	1137.2	1040.2	931.0	815.4	697.1	580.7	479.1	395.2	323.1	261.2	210.0
30°	1187.8	1091.0	984.2	866.7	743.3	622.0	511.8	418.0	340.1	273.1	218.4
27.5°	1234.1	1138.6	1032.8	913.2	787.3	661.0	542.3	439.2	355.9	285.2	228.0
25°	1276.1	1179.7	1073.6	955.7	828.1	697.1	570.5	459.1	372.4	298.1	236.9
22.5°	1312.0	1216.4	1111.2	994.7	865.4	730.1	598.3	482.2	388.3	309.8	244.9
20°	1344.7	1249.8	1145.3	1029.3	898.4	760.9	625.3	503.2	402.7	320.4	252.2
17.5°	1373.6	1278.3	1173.3	1057.3	927.2	788.3	649.4	521.8	415.5	329.8	258.6
15°	1397.3	1302.0	1197.4	1081.7	952.4	812.3	670.4	538.0	426.7	338.0	264.3
12.5°	1417.6	1322.3	1218.0	1102.6	974.0	832.7	688.3	551.9	436.2	345.0	269.1
10°	1434.4	1339.1	1235.0	1119.8	991.7	849.6	703.0	563.2	444.0	350.7	273.0
7.5°	1447.5	1352.2	1248.3	1133.3	1005.6	862.7	714.5	572.1	450.1	355.2	276.0
5°	1457.0	1361.6	1257.8	1142.9	1015.5	872.1	722.8	578.5	454.5	358.4	278.2
2.5°	1462.7	1367.3	1263.6	1148.8	1021.5	877.8	727.7	582.3	457.1	360.4	279.6
0°	1464.6	1369.2	1265.5	1150.7	1023.5	879.7	729.4	583.6	458.0	361.0	280.0
-2.5°	1462.7	1367.3	1263.6	1148.8	1021.5	877.8	727.7	582.3	457.1	360.4	279.6
-5°	1457.0	1361.6	1257.8	1142.9	1015.5	872.1	722.8	578.5	454.5	358.4	278.2
-7.5°	1447.5	1352.2	1248.3	1133.3	1005.6	862.7	714.5	572.1	450.1	355.2	276.0
-10°	1434.4	1339.1	1235.0	1119.8	991.7	849.6	703.0	563.2	444.0	350.7	273.0
-12.5°	1417.6	1322.3	1218.0	1102.6	974.0	832.7	688.3	551.9	436.2	345.0	269.1
-15°	1397.3	1302.0	1197.4	1081.7	952.4	812.3	670.4	538.0	426.7	338.0	264.3
-17.5°	1373.6	1278.3	1173.3	1057.3	927.2	788.3	649.4	521.8	415.5	329.8	258.6
-20°	1344.7	1249.8	1145.3	1029.3	898.4	760.9	625.3	503.2	402.7	320.4	252.2

Classified

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

Scaled Data Report



REPORT NUMBER: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1312.0	1216.4	1111.2	994.7	865.4	730.1	598.3	482.2	388.3	309.8	244.9
-25°	1276.1	1179.7	1073.6	955.7	828.1	697.1	570.5	459.1	372.4	298.1	236.9
-27.5°	1234.1	1138.6	1032.8	913.2	787.3	661.0	542.3	439.2	355.9	285.2	228.0
-30°	1187.8	1091.0	984.2	866.7	743.3	622.0	511.8	418.0	340.1	273.1	218.4
-32.5°	1137.2	1040.2	931.0	815.4	697.1	580.7	479.1	395.2	323.1	261.2	210.0
-35°	1079.5	981.6	874.4	760.9	648.5	542.3	447.3	370.9	304.9	248.5	201.6
-37.5°	1018.4	917.7	812.3	704.2	597.1	501.7	418.8	347.7	285.6	235.1	192.7
-40°	946.8	849.6	747.2	645.7	548.7	459.1	388.7	325.0	268.4	220.8	183.2
-42.5°	872.1	776.8	680.9	584.6	500.1	424.3	357.9	301.2	251.5	208.3	173.3
-45°	791.7	702.2	612.6	529.7	451.4	388.3	330.4	277.1	233.9	196.4	163.5
-47.5°	709.4	626.7	547.7	473.0	410.8	352.7	301.9	256.7	215.7	184.0	153.9
-50°	626.7	553.7	484.9	424.4	368.9	320.4	274.0	235.5	201.2	171.2	144.0
-52.5°	547.7	484.9	429.0	377.9	331.6	287.2	249.9	214.2	186.2	159.0	133.7
-55°	473.0	424.4	377.9	335.3	294.6	258.6	225.2	197.1	170.8	146.9	123.1
-57.5°	410.8	368.9	331.6	294.6	261.6	230.9	203.6	179.5	156.4	134.4	111.7
-60°	352.7	320.4	287.2	258.6	230.9	205.8	183.8	162.1	142.0	121.5	100.0
-62.5°	301.9	274.0	249.9	225.2	203.6	183.8	164.0	145.9	127.4	107.9	88.0
-65°	256.7	235.5	214.2	197.1	179.5	162.1	145.9	129.3	111.8	93.9	76.0
-67.5°	215.7	201.2	186.2	170.8	156.4	142.0	127.4	111.8	95.9	79.7	64.7
-70°	184.0	171.2	159.0	146.9	134.4	121.5	107.9	93.9	79.7	66.5	53.2
-72.5°	153.9	144.0	133.7	123.1	111.7	100.0	88.0	76.0	64.7	53.2	41.5
-75°	125.5	116.7	107.5	98.0	88.2	78.2	68.9	59.3	49.6	39.7	32.4
-77.5°	95.6	88.2	80.6	73.3	65.9	58.2	50.4	42.5	35.6	29.9	24.1
-80°	66.8	61.4	55.9	50.1	44.2	38.2	33.9	29.5	25.0	20.5	15.8
-82.5°	39.4	36.3	33.4	30.5	27.4	24.3	21.0	17.7	14.4	11.0	9.3
-85°	20.1	18.3	16.4	14.4	12.4	10.3	9.5	8.7	7.9	7.0	6.2
-87.5°	7.0	6.6	6.3	5.9	5.5	5.1	4.8	4.4	3.9	3.5	3.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-LAM-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°	2.7	2.2	1.8	1.3	0.9	0.4	0.0
85°	5.3	4.5	3.6	2.7	1.8	0.9	0.0
82.5°	8.0	6.7	5.4	4.0	2.7	1.3	0.0
80°	11.2	8.9	7.1	5.4	3.6	1.8	0.0
77.5°	18.3	12.4	8.9	6.7	4.5	2.2	0.0
75°	25.4	18.3	11.2	8.0	5.3	2.7	0.0
72.5°	32.4	24.1	15.8	9.3	6.2	3.1	0.0
70°	39.7	29.9	20.5	11.0	7.0	3.5	0.0
67.5°	49.6	35.6	25.0	14.4	7.9	3.9	0.0
65°	59.3	42.5	29.5	17.7	8.7	4.4	0.0
62.5°	68.9	50.4	33.9	21.0	9.5	4.8	0.0
60°	78.2	58.2	38.2	24.3	10.3	5.1	0.0
57.5°	88.2	65.9	44.2	27.4	12.4	5.5	0.0
55°	98.0	73.3	50.1	30.5	14.4	5.9	0.0
52.5°	107.5	80.6	55.9	33.4	16.4	6.3	0.0
50°	116.7	88.2	61.4	36.3	18.3	6.6	0.0
47.5°	125.5	95.6	66.8	39.4	20.1	7.0	0.0
45°	133.7	102.8	72.0	43.2	21.9	7.3	0.0
42.5°	141.5	109.6	76.9	46.9	23.6	7.6	0.0
40°	149.0	116.1	81.9	50.5	25.2	7.9	0.0
37.5°	156.1	122.3	86.8	53.8	26.8	8.2	0.0
35°	162.8	128.0	91.5	57.0	28.2	8.4	0.0
32.5°	169.4	133.2	95.9	60.0	29.6	8.7	0.0
30°	176.1	138.1	100.0	62.8	30.9	8.9	0.0
27.5°	182.3	142.7	103.8	65.4	32.0	9.1	0.0
25°	188.1	146.9	107.3	67.7	33.1	9.3	0.0
22.5°	193.3	150.7	110.5	69.9	34.1	9.5	0.0
20°	198.0	154.1	113.3	71.9	35.0	9.7	0.0
17.5°	202.2	157.2	115.9	73.6	35.8	9.8	0.0
15°	205.8	159.9	118.1	75.1	36.5	9.9	0.0
12.5°	208.9	162.1	120.0	76.4	37.1	10.1	0.0
10°	211.5	164.0	121.5	77.4	37.5	10.1	0.0
7.5°	213.4	165.4	122.7	78.2	37.9	10.2	0.0
5°	214.9	166.5	123.6	78.8	38.2	10.3	0.0
2.5°	215.7	167.1	124.1	79.2	38.3	10.3	0.0
0°	216.0	167.3	124.3	79.3	38.4	10.3	0.0
-2.5°	215.7	167.1	124.1	79.2	38.3	10.3	0.0
-5°	214.9	166.5	123.6	78.8	38.2	10.3	0.0
-7.5°	213.4	165.4	122.7	78.2	37.9	10.2	0.0
-10°	211.5	164.0	121.5	77.4	37.5	10.1	0.0
-12.5°	208.9	162.1	120.0	76.4	37.1	10.1	0.0
-15°	205.8	159.9	118.1	75.1	36.5	9.9	0.0
-17.5°	202.2	157.2	115.9	73.6	35.8	9.8	0.0
-20°	198.0	154.1	113.3	71.9	35.0	9.7	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645344 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	193.3	150.7	110.5	69.9	34.1	9.5	0.0
-25°	188.1	146.9	107.3	67.7	33.1	9.3	0.0
-27.5°	182.3	142.7	103.8	65.4	32.0	9.1	0.0
-30°	176.1	138.1	100.0	62.8	30.9	8.9	0.0
-32.5°	169.4	133.2	95.9	60.0	29.6	8.7	0.0
-35°	162.8	128.0	91.5	57.0	28.2	8.4	0.0
-37.5°	156.1	122.3	86.8	53.8	26.8	8.2	0.0
-40°	149.0	116.1	81.9	50.5	25.2	7.9	0.0
-42.5°	141.5	109.6	76.9	46.9	23.6	7.6	0.0
-45°	133.7	102.8	72.0	43.2	21.9	7.3	0.0
-47.5°	125.5	95.6	66.8	39.4	20.1	7.0	0.0
-50°	116.7	88.2	61.4	36.3	18.3	6.6	0.0
-52.5°	107.5	80.6	55.9	33.4	16.4	6.3	0.0
-55°	98.0	73.3	50.1	30.5	14.4	5.9	0.0
-57.5°	88.2	65.9	44.2	27.4	12.4	5.5	0.0
-60°	78.2	58.2	38.2	24.3	10.3	5.1	0.0
-62.5°	68.9	50.4	33.9	21.0	9.5	4.8	0.0
-65°	59.3	42.5	29.5	17.7	8.7	4.4	0.0
-67.5°	49.6	35.6	25.0	14.4	7.9	3.9	0.0
-70°	39.7	29.9	20.5	11.0	7.0	3.5	0.0
-72.5°	32.4	24.1	15.8	9.3	6.2	3.1	0.0
-75°	25.4	18.3	11.2	8.0	5.3	2.7	0.0
-77.5°	18.3	12.4	8.9	6.7	4.5	2.2	0.0
-80°	11.2	8.9	7.1	5.4	3.6	1.8	0.0
-82.5°	8.0	6.7	5.4	4.0	2.7	1.3	0.0
-85°	5.3	4.5	3.6	2.7	1.8	0.9	0.0
-87.5°	2.7	2.2	1.8	1.3	0.9	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)