

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: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645343 (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-SA1E-722-U-LAM-VSR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

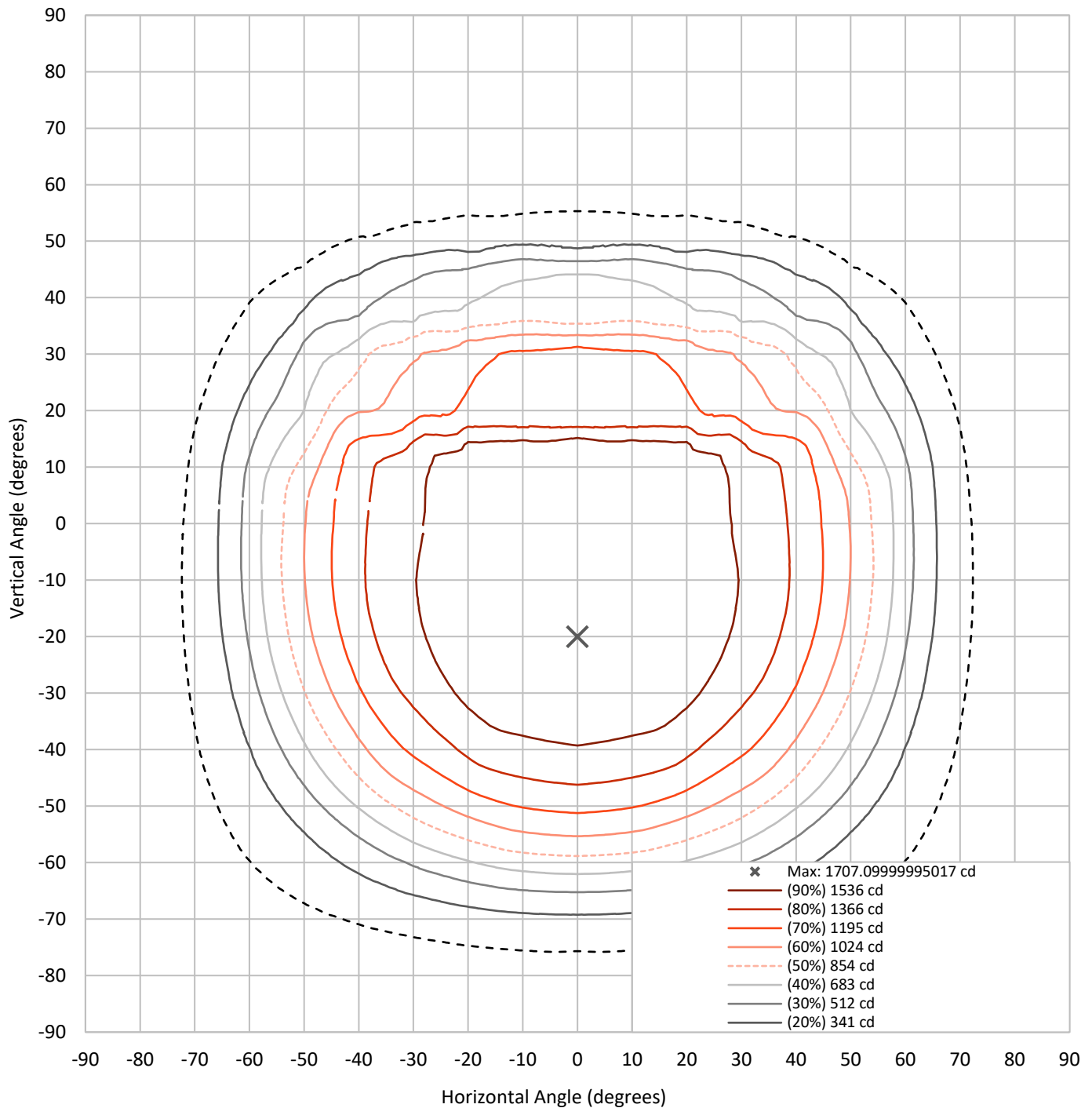
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	4002.8 lumens	Max Intensity:	1707.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	60.5 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' 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:	3129.1 lumens	Field Lumens:	3923.3 lumens
Beam Efficiency:	78.2%	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: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1E-722-U-LAM-VSR-XX

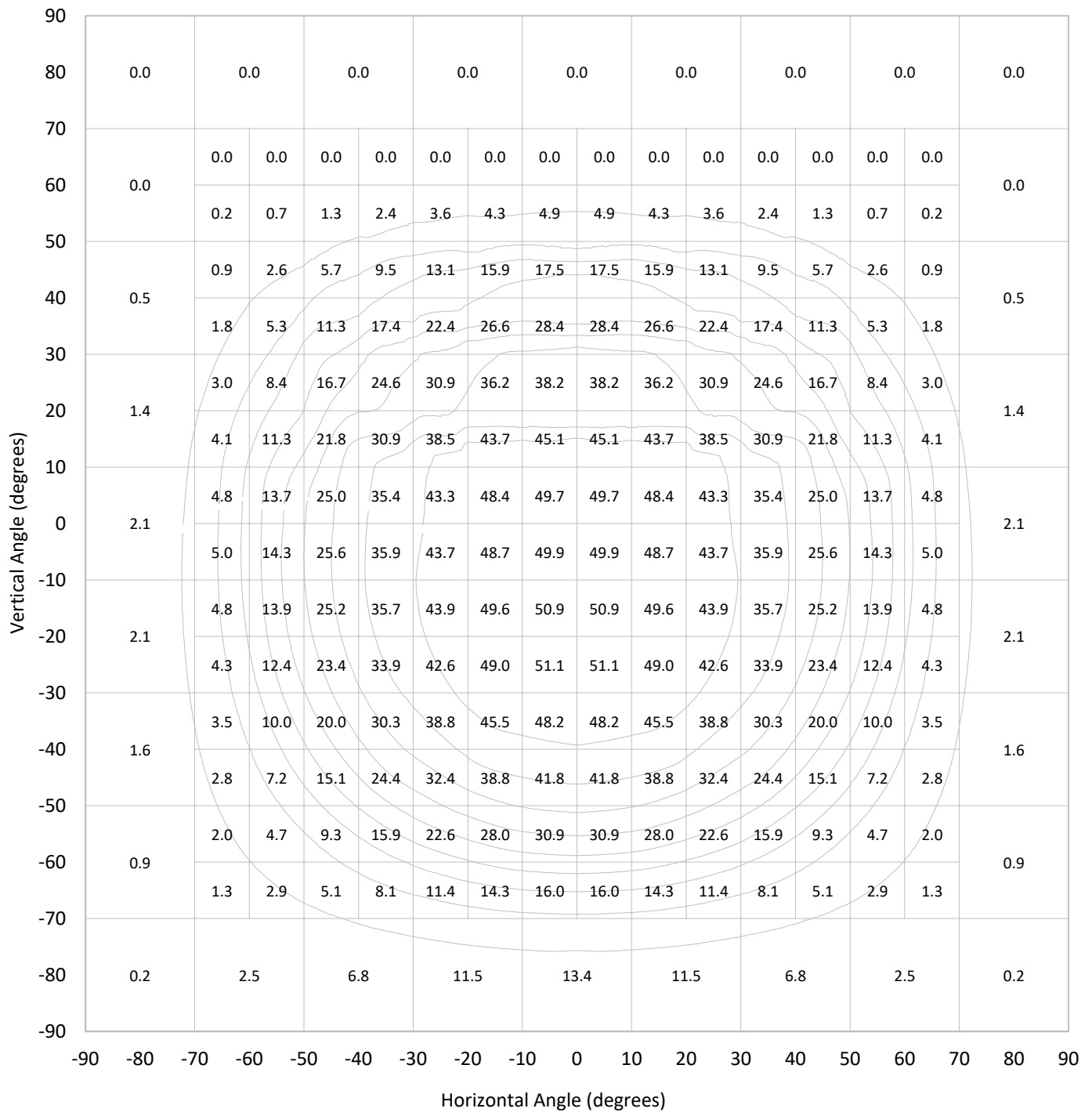
Iso-Candela Plot





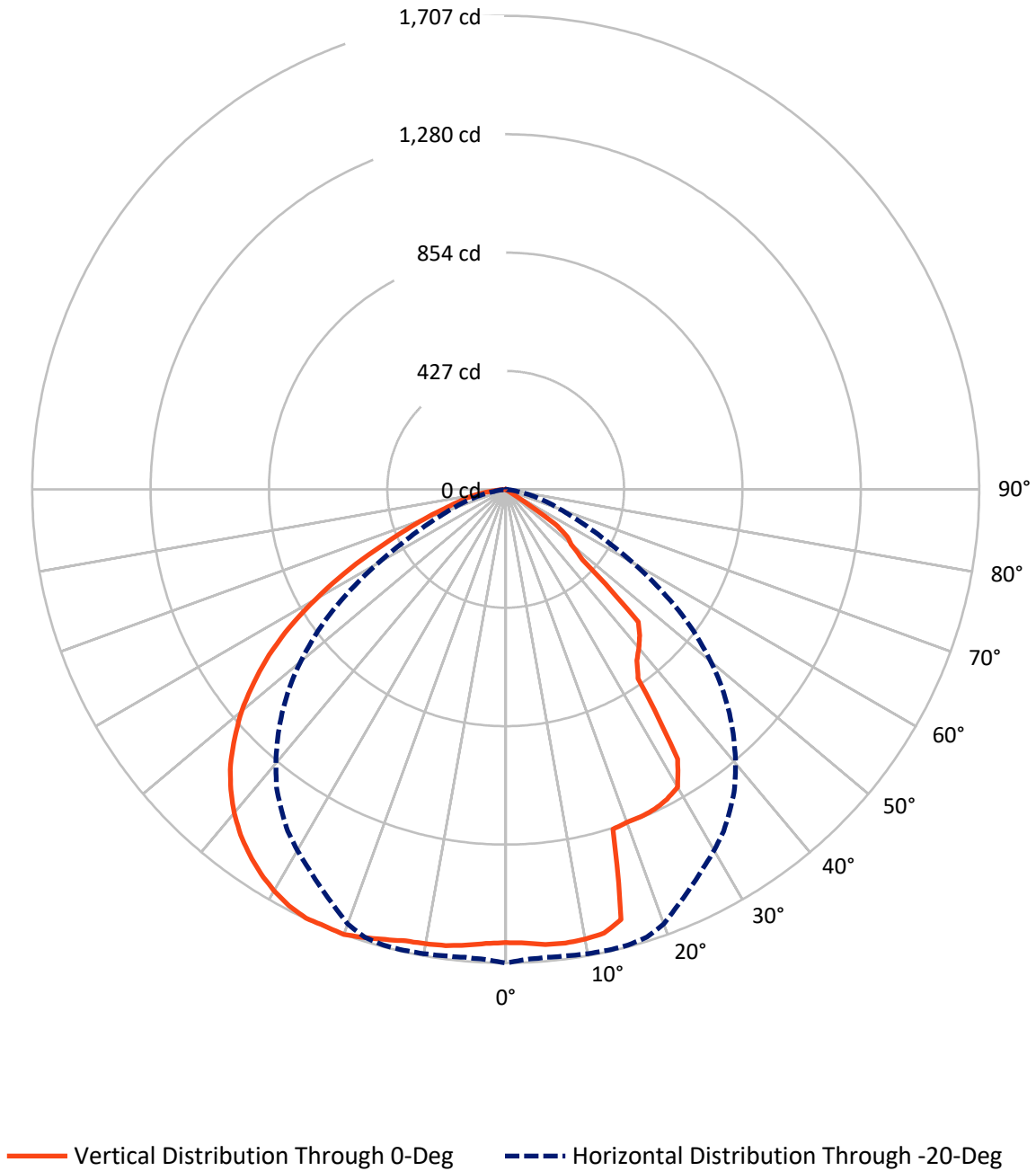
REPORT NUMBER: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-722-U-LAM-VSR-XX

Lumen Table



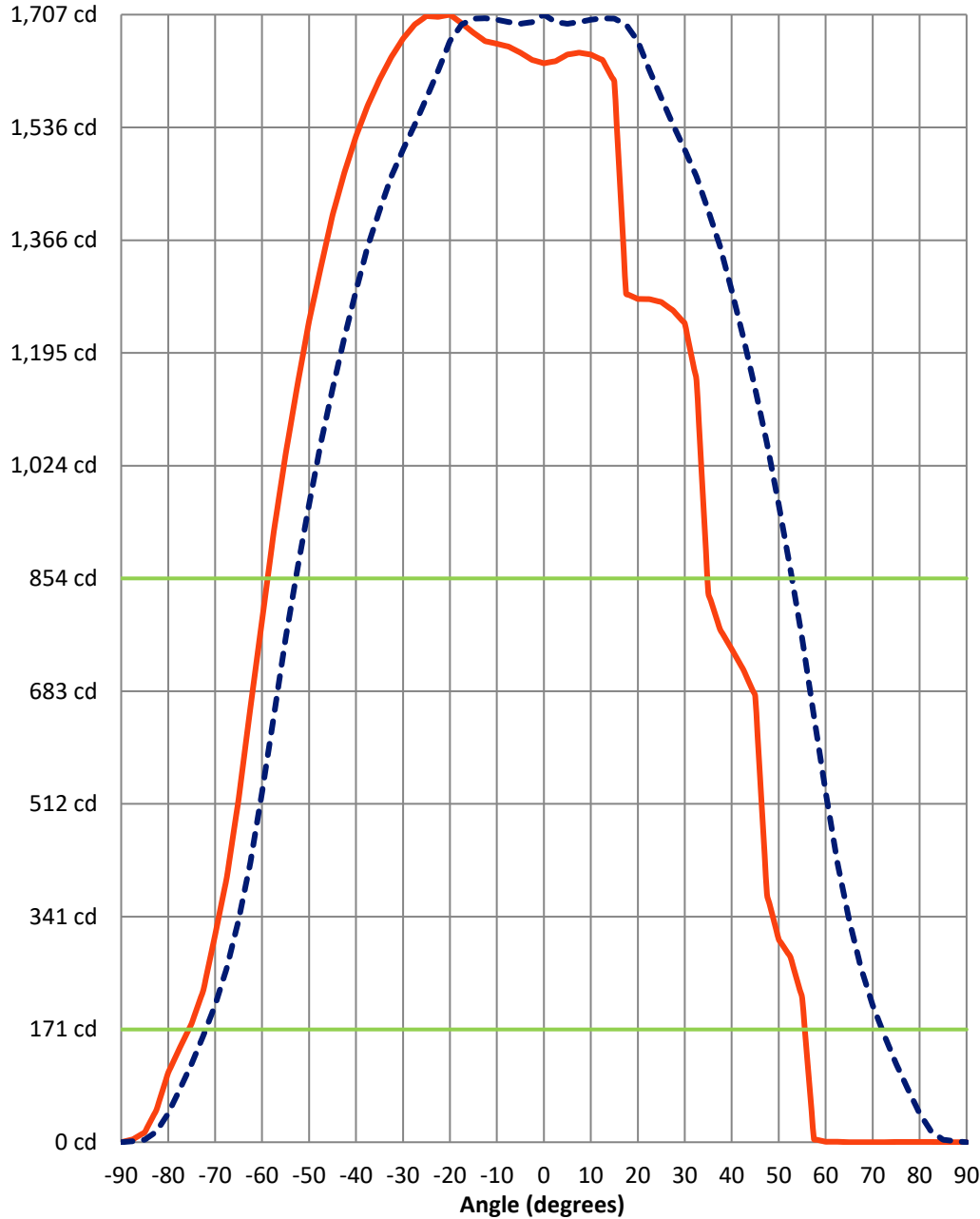
REPORT NUMBER: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1E-722-U-LAM-VSR-XX

Luminous Intensity Polar Plot



REPORT NUMBER: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-722-U-LAM-VSR-XX

Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 3129.1
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 3923.3
 Efficiency: 98.0%

Spill:
 Lumens: 79.5
 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: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-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	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.3
82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.5	0.4
80°	0.0	0.2	0.2	0.4	0.5	0.6	0.7	0.6	0.6	0.5	0.4
77.5°	0.0	0.2	0.3	0.5	0.6	0.7	0.7	0.6	0.6	0.5	0.4
75°	0.0	0.2	0.4	0.5	0.7	0.7	0.7	0.6	0.6	0.5	0.4
72.5°	0.0	0.3	0.4	0.6	0.7	0.8	0.7	0.6	0.6	0.5	0.4
70°	0.0	0.3	0.5	0.7	0.8	0.8	0.7	0.7	0.6	0.5	0.6
67.5°	0.0	0.4	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.8	0.8
65°	0.0	0.4	0.6	0.8	0.9	1.0	1.0	0.7	1.0	1.1	1.4
62.5°	0.0	0.4	0.7	0.8	0.9	1.2	1.1	1.0	1.3	2.0	3.2
60°	0.0	0.5	0.8	0.9	1.0	1.4	1.3	1.4	1.8	5.1	5.5
57.5°	0.0	0.5	0.8	0.9	1.2	1.7	2.5	1.9	5.0	8.6	10.0
55°	0.0	0.5	0.8	1.0	1.5	2.1	4.0	3.2	9.2	13.3	16.2
52.5°	0.0	0.6	0.9	1.0	1.9	2.6	5.7	8.0	13.8	20.8	23.5
50°	0.0	0.6	0.9	1.0	2.2	4.5	7.7	13.5	19.7	29.2	36.6
47.5°	0.0	0.6	1.0	1.1	2.5	6.5	10.4	19.3	28.4	38.5	50.1
45°	0.0	0.7	1.0	1.4	2.9	8.7	15.6	25.3	38.2	50.2	63.2
42.5°	0.0	0.7	1.1	1.7	3.3	11.0	21.0	33.0	48.1	61.5	78.2
40°	0.0	0.7	1.1	2.0	4.4	13.4	26.5	41.7	58.3	72.7	94.4
37.5°	0.0	0.8	1.2	2.5	6.3	16.0	32.1	50.4	69.0	86.0	111.3
35°	0.0	0.8	1.2	3.0	8.3	19.9	37.8	59.1	79.8	102.5	131.2
32.5°	0.0	0.8	1.3	3.5	10.2	24.4	44.0	67.8	90.8	119.1	155.4
30°	0.0	0.9	1.3	4.1	12.2	28.8	51.1	76.6	101.9	135.7	178.7
27.5°	0.0	0.9	1.3	4.7	14.6	33.2	58.0	85.7	114.1	152.2	200.9
25°	0.0	0.9	1.4	5.3	17.1	37.6	64.7	94.8	127.9	170.3	222.0
22.5°	0.0	0.9	1.4	6.0	19.6	42.0	71.3	103.7	141.4	188.4	243.5
20°	0.0	1.0	1.5	6.7	22.1	46.7	77.6	112.4	154.6	205.4	264.4
17.5°	0.0	1.0	1.5	7.4	24.5	51.3	83.9	120.8	167.3	221.5	284.7
15°	0.0	1.0	1.6	8.1	26.8	55.7	89.9	128.7	179.5	236.4	304.2
12.5°	0.0	1.0	1.6	8.8	29.1	59.9	95.6	135.7	189.3	250.2	322.7
10°	0.0	1.0	1.7	9.5	31.3	63.9	100.8	142.2	196.5	258.5	337.8
7.5°	0.0	1.1	1.7	10.2	33.4	67.6	105.6	148.1	202.7	265.0	346.6
5°	0.0	1.1	1.7	10.8	35.3	71.0	110.0	153.4	207.9	270.2	353.8
2.5°	0.0	1.1	1.8	11.4	37.0	74.1	113.9	158.1	212.1	274.2	359.2
0°	0.0	1.1	1.8	12.0	38.6	76.9	117.4	162.2	215.4	277.0	363.0
-2.5°	0.0	1.2	2.1	12.8	40.1	78.7	119.1	164.6	216.6	280.6	365.4
-5°	0.0	1.2	2.4	13.5	41.3	80.0	120.4	166.3	217.0	282.9	366.2
-7.5°	0.0	1.3	2.6	14.1	42.4	81.0	121.1	167.4	216.7	283.8	365.4
-10°	0.0	1.3	2.9	14.7	43.1	81.7	121.5	167.8	215.7	283.2	363.1
-12.5°	0.0	1.4	3.2	15.2	43.6	81.9	121.4	167.5	214.2	281.0	359.1
-15°	0.0	1.4	3.4	15.6	43.9	81.8	120.9	166.5	212.5	276.5	353.3
-17.5°	0.0	1.5	3.6	15.8	43.9	81.3	120.1	164.5	210.5	270.9	345.8
-20°	0.0	1.5	3.8	16.0	43.6	80.5	118.7	161.7	207.5	264.3	336.5

Classified

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

Scaled Data Report



REPORT NUMBER: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-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	1.5	4.0	16.0	42.9	79.2	116.7	158.2	203.7	256.6	325.5
-25°	0.0	1.6	4.2	16.0	42.0	77.3	114.3	154.2	199.0	248.0	312.7
-27.5°	0.0	1.6	4.3	15.8	40.8	75.0	111.4	149.7	193.4	239.7	301.4
-30°	0.0	1.6	4.4	15.5	39.3	72.3	108.0	144.6	187.2	232.7	289.3
-32.5°	0.0	1.6	4.5	15.0	37.5	69.2	104.2	139.9	180.6	224.5	276.4
-35°	0.0	1.6	4.6	14.4	35.5	65.9	100.1	135.0	173.6	215.3	262.8
-37.5°	0.0	1.6	4.6	13.7	33.3	62.5	95.7	129.6	166.0	205.0	249.2
-40°	0.0	1.6	4.6	12.9	30.9	59.5	90.9	123.6	157.9	195.2	235.9
-42.5°	0.0	1.5	4.6	11.9	29.1	56.3	85.8	117.1	150.1	184.9	221.5
-45°	0.0	1.5	4.5	11.0	27.9	52.8	80.4	110.5	142.1	173.9	206.6
-47.5°	0.0	1.5	4.4	9.9	26.4	49.1	74.6	103.8	133.6	162.4	193.7
-50°	0.0	1.4	4.3	9.6	24.8	45.3	69.8	96.8	124.2	151.8	180.2
-52.5°	0.0	1.4	4.2	9.4	22.9	41.2	65.0	89.4	115.1	140.9	166.3
-55°	0.0	1.3	4.0	9.1	20.8	38.2	60.1	82.0	106.1	129.8	154.1
-57.5°	0.0	1.2	3.8	8.7	18.5	35.1	54.9	76.1	96.7	119.0	141.5
-60°	0.0	1.2	3.6	8.2	16.1	31.7	49.6	69.6	87.3	108.2	129.0
-62.5°	0.0	1.1	3.4	7.6	14.9	28.0	44.9	62.5	78.6	97.1	116.7
-65°	0.0	1.0	3.1	6.9	13.6	24.1	39.7	55.1	69.4	85.9	104.0
-67.5°	0.0	0.9	2.9	6.2	12.2	20.8	34.2	47.8	59.8	74.2	90.5
-70°	0.0	0.8	2.6	5.4	10.6	18.2	28.5	40.3	51.1	62.1	76.0
-72.5°	0.0	0.7	2.3	4.7	8.9	15.4	24.1	32.7	42.3	52.0	61.8
-75°	0.0	0.6	2.0	4.1	7.1	12.4	19.7	26.3	33.3	41.7	50.3
-77.5°	0.0	0.5	1.7	3.5	5.8	9.3	15.1	20.4	25.9	31.8	38.6
-80°	0.0	0.4	1.4	2.8	4.7	7.1	10.3	14.3	18.5	23.1	28.1
-82.5°	0.0	0.3	1.0	2.1	3.6	5.4	7.5	9.1	11.0	14.3	17.8
-85°	0.0	0.2	0.7	1.4	2.4	3.6	5.1	6.1	7.2	8.3	9.5
-87.5°	0.0	0.1	0.3	0.7	1.2	1.8	2.5	3.1	3.6	4.2	4.8
-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: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-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°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.7	0.6	0.5	0.5	0.5	0.6	0.5	0.5	0.4	0.4	0.4
65°	0.7	0.6	0.9	1.0	0.7	0.6	0.6	0.5	0.5	0.5	0.5
62.5°	1.1	1.4	1.7	3.1	2.3	0.7	1.2	1.4	1.0	0.9	0.9
60°	3.5	2.4	7.2	10.3	6.4	2.3	2.9	9.5	8.3	1.6	5.2
57.5°	7.5	10.3	18.9	19.2	13.3	9.2	26.7	30.9	23.4	13.7	20.9
55°	16.5	25.3	31.3	29.0	31.7	48.0	57.0	51.3	43.2	66.4	84.8
52.5°	32.2	41.2	43.2	49.7	71.1	81.7	78.3	83.7	108.6	134.8	140.5
50°	47.5	54.9	60.7	87.7	104.4	105.5	113.3	137.9	171.1	187.1	183.2
47.5°	62.3	70.0	96.8	122.7	130.3	140.6	160.0	207.6	242.7	243.4	239.4
45°	78.0	98.4	132.6	149.6	161.8	181.7	228.8	294.3	297.7	307.2	365.8
42.5°	94.8	130.5	160.4	178.0	197.7	235.0	297.8	340.7	355.5	397.2	444.3
40°	121.9	161.5	187.6	210.2	235.6	289.9	358.6	398.9	410.9	447.0	482.4
37.5°	149.4	187.5	216.7	243.9	279.1	352.4	431.9	465.1	471.2	477.8	556.2
35°	176.0	214.0	249.0	284.6	327.8	433.3	502.8	534.0	533.1	577.6	659.7
32.5°	200.8	241.2	282.5	330.1	401.3	509.4	578.9	597.6	626.0	690.8	803.0
30°	225.5	271.5	318.9	375.6	465.8	559.5	638.8	669.0	717.6	791.5	873.2
27.5°	251.0	302.6	359.9	426.3	516.7	602.8	670.6	742.6	789.8	856.1	914.1
25°	276.5	335.5	400.4	470.6	553.0	633.4	703.5	786.6	837.2	890.7	944.8
22.5°	303.1	368.8	442.1	505.8	583.7	659.3	742.8	832.9	898.8	932.8	969.1
20°	330.9	404.9	483.0	553.6	614.0	683.4	782.3	891.7	976.8	1015.1	1020.0
17.5°	358.4	439.8	523.9	600.2	665.4	727.2	823.7	962.2	1068.0	1103.6	1119.3
15°	385.2	473.4	564.5	645.6	717.2	792.8	895.8	1036.6	1157.6	1197.0	1221.8
12.5°	411.0	505.5	604.4	689.5	769.0	853.8	961.3	1090.2	1200.6	1276.7	1322.3
10°	435.6	535.8	643.2	731.7	820.2	910.4	1015.4	1130.1	1220.0	1293.4	1358.1
7.5°	448.0	555.5	676.5	771.8	870.2	962.7	1059.8	1158.2	1233.9	1305.9	1368.5
5°	456.5	563.7	686.9	785.7	896.7	997.6	1091.9	1176.7	1243.0	1314.3	1375.5
2.5°	462.5	569.0	694.0	793.4	906.7	1008.3	1101.1	1182.9	1250.5	1320.4	1383.0
0°	466.1	571.5	697.6	798.1	912.9	1015.4	1106.5	1185.2	1255.5	1323.3	1390.7
-2.5°	468.2	579.1	700.0	810.2	919.0	1021.5	1114.0	1190.8	1264.3	1328.8	1396.4
-5°	467.9	583.7	699.3	818.3	921.9	1023.8	1117.8	1193.4	1269.1	1332.9	1398.7
-7.5°	465.4	584.7	696.2	820.9	922.0	1023.0	1116.1	1194.6	1269.0	1336.7	1398.9
-10°	460.8	580.6	693.2	814.3	918.5	1018.9	1111.1	1191.9	1266.0	1335.9	1397.7
-12.5°	455.5	572.1	687.2	804.8	911.3	1011.1	1103.4	1185.1	1260.5	1330.2	1394.9
-15°	447.5	560.7	677.2	792.8	900.3	999.9	1093.5	1174.0	1252.0	1320.2	1386.6
-17.5°	436.7	546.7	663.1	778.5	885.6	985.2	1080.7	1159.2	1236.9	1307.5	1371.5
-20°	423.1	530.1	644.9	762.3	866.9	965.4	1058.0	1140.2	1217.4	1289.1	1356.5



REPORT NUMBER: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-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°	406.7	510.9	622.9	740.3	843.5	940.9	1032.4	1116.0	1195.9	1265.3	1337.1
-25°	390.3	490.7	598.6	710.0	816.4	913.4	1005.2	1086.6	1168.3	1240.5	1308.6
-27.5°	374.5	467.2	570.5	676.6	785.7	882.2	973.2	1054.6	1133.9	1212.9	1278.5
-30°	356.9	440.1	539.5	640.9	747.3	845.5	937.2	1021.7	1097.1	1175.1	1245.6
-32.5°	337.4	411.3	506.9	604.4	704.7	805.1	895.9	979.9	1058.4	1132.1	1206.1
-35°	318.3	388.0	472.3	565.2	659.6	758.1	849.0	932.1	1013.6	1086.6	1157.3
-37.5°	301.2	362.9	435.5	524.3	614.5	707.7	800.1	880.6	958.1	1038.4	1107.3
-40°	282.6	335.9	403.6	482.1	567.1	655.8	744.2	827.5	900.4	979.8	1055.6
-42.5°	263.2	313.9	372.3	437.5	517.8	601.3	686.7	768.2	843.9	918.7	993.9
-45°	246.2	290.5	340.3	399.9	465.2	543.9	624.7	705.9	778.5	849.9	924.1
-47.5°	228.1	267.1	313.1	360.8	417.5	483.3	559.3	634.2	708.5	776.4	842.1
-50°	210.0	246.0	283.8	326.7	373.6	426.8	490.0	559.6	627.5	697.2	762.3
-52.5°	194.5	223.8	258.0	293.8	333.9	378.0	428.6	485.8	547.5	606.7	671.6
-55°	178.3	204.8	232.4	263.9	297.3	334.5	376.0	424.0	471.2	525.9	578.8
-57.5°	163.6	186.0	209.5	235.5	264.5	294.3	330.5	367.9	410.7	453.2	495.2
-60°	149.8	168.0	188.0	210.0	233.3	259.8	286.9	319.0	353.4	387.4	423.0
-62.5°	135.9	151.2	167.4	185.7	206.1	226.1	249.2	273.9	299.2	328.0	356.1
-65°	121.5	133.9	147.7	162.8	179.1	196.1	213.8	232.1	253.7	274.8	295.2
-67.5°	106.2	116.8	128.0	139.9	153.5	166.9	180.3	195.7	211.6	227.2	243.4
-70°	89.3	99.3	108.6	118.3	128.4	138.9	150.3	161.6	172.8	184.5	197.5
-72.5°	72.1	81.3	89.5	96.6	104.9	113.6	122.0	129.9	138.4	147.3	156.1
-75°	57.5	63.6	70.9	77.5	84.2	90.3	95.8	102.6	109.6	116.1	121.4
-77.5°	44.9	50.4	55.4	59.9	65.1	71.3	76.7	81.3	85.7	90.6	95.8
-80°	32.7	37.2	41.8	45.9	48.9	52.4	56.5	61.2	65.3	68.7	71.7
-82.5°	21.1	24.4	27.8	31.2	32.6	33.6	34.5	36.1	38.6	41.1	43.5
-85°	10.5	11.5	13.6	15.7	16.4	16.9	17.3	17.4	18.3	19.1	19.8
-87.5°	5.3	5.7	6.2	6.7	6.5	6.1	5.7	5.2	5.1	4.9	4.7
-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: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-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°	0.3	0.3	0.3	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.0
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.2
62.5°	0.9	1.0	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6
60°	5.7	3.4	2.0	2.3	2.1	1.4	1.8	2.1	2.1	1.9	1.7
57.5°	31.7	23.7	17.5	41.8	42.0	20.0	24.1	37.9	31.3	10.3	9.6
55°	88.1	105.4	138.7	131.8	133.9	154.0	168.2	148.9	146.0	155.5	179.7
52.5°	158.3	174.8	186.0	196.4	209.2	223.0	237.1	246.1	254.5	263.4	268.8
50°	202.2	225.4	241.3	235.5	268.5	282.0	268.2	280.5	295.5	299.6	301.5
47.5°	298.5	332.6	339.3	361.2	380.9	380.5	363.8	364.8	409.3	448.6	467.9
45°	429.0	430.2	451.6	490.3	518.0	509.3	532.6	585.7	603.4	620.5	634.5
42.5°	479.9	501.0	535.1	569.3	590.0	607.9	625.1	644.6	667.6	686.2	701.1
40°	529.1	546.1	581.1	608.7	625.7	642.4	662.6	684.2	705.2	721.6	732.8
37.5°	604.9	618.1	626.6	652.2	684.5	669.6	707.8	735.2	747.7	764.4	765.9
35°	719.5	710.8	699.4	801.3	807.4	773.0	808.7	851.2	828.9	875.5	900.6
32.5°	821.1	819.8	908.7	962.3	931.5	956.7	1039.1	1035.4	1090.4	1115.9	1108.6
30°	916.8	949.5	1001.0	1040.9	1046.2	1085.9	1122.5	1154.6	1187.7	1217.5	1219.5
27.5°	965.5	1008.1	1043.1	1066.1	1091.9	1125.2	1158.5	1194.5	1222.8	1241.4	1246.0
25°	994.9	1038.5	1064.9	1089.7	1118.1	1147.0	1184.1	1223.5	1246.1	1257.6	1261.3
22.5°	1020.8	1060.0	1088.4	1108.5	1139.1	1170.1	1204.8	1238.1	1262.7	1267.7	1269.5
20°	1045.7	1083.4	1130.8	1160.5	1159.0	1193.9	1227.3	1253.8	1274.4	1274.2	1274.7
17.5°	1117.9	1131.3	1217.5	1282.9	1250.5	1233.5	1325.3	1327.1	1332.5	1321.7	1298.2
15°	1224.8	1249.2	1355.0	1425.9	1403.6	1402.5	1535.2	1502.3	1530.6	1523.2	1555.0
12.5°	1338.0	1366.9	1446.0	1515.6	1548.8	1556.9	1601.3	1642.8	1651.4	1648.0	1641.7
10°	1415.1	1456.3	1488.1	1530.4	1563.8	1597.9	1623.6	1653.5	1663.2	1657.6	1649.6
7.5°	1425.1	1465.9	1503.2	1540.3	1572.1	1599.6	1626.3	1650.6	1660.5	1657.2	1651.8
5°	1431.5	1468.4	1504.6	1542.2	1572.7	1598.1	1624.7	1649.3	1655.2	1651.2	1645.9
2.5°	1435.5	1469.6	1504.5	1541.9	1569.6	1593.8	1620.8	1647.0	1647.0	1645.2	1642.1
0°	1437.4	1471.6	1512.1	1546.0	1577.0	1599.9	1626.5	1652.0	1650.2	1645.5	1640.0
-2.5°	1441.5	1476.2	1517.5	1545.5	1580.5	1601.5	1629.0	1651.1	1650.2	1647.9	1645.2
-5°	1445.1	1484.1	1522.8	1552.3	1587.3	1614.8	1642.2	1659.4	1660.3	1657.1	1652.6
-7.5°	1447.3	1490.6	1527.5	1557.2	1591.1	1623.1	1650.8	1668.9	1669.3	1665.0	1659.6
-10°	1446.6	1492.3	1530.2	1560.9	1595.7	1627.2	1656.2	1679.2	1678.4	1674.3	1669.7
-12.5°	1443.9	1489.5	1528.5	1559.2	1598.7	1631.2	1663.8	1686.7	1687.9	1684.8	1679.8
-15°	1437.9	1485.0	1522.9	1556.5	1595.2	1633.1	1666.6	1691.9	1696.4	1693.8	1689.9
-17.5°	1426.0	1475.7	1515.9	1552.1	1589.3	1629.7	1667.8	1695.4	1701.6	1700.6	1697.3
-20°	1410.4	1461.7	1502.6	1540.5	1580.9	1622.6	1666.9	1692.1	1701.0	1701.6	1699.4



REPORT NUMBER: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-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°	1392.9	1443.2	1486.4	1523.7	1567.6	1609.8	1649.9	1679.4	1694.5	1697.2	1697.4
-25°	1371.9	1423.6	1466.6	1506.3	1547.0	1590.7	1631.2	1664.1	1679.4	1686.6	1688.9
-27.5°	1342.2	1395.6	1437.9	1479.9	1521.4	1566.4	1609.0	1644.9	1657.2	1667.3	1671.3
-30°	1307.5	1360.3	1403.4	1441.7	1489.2	1535.2	1579.2	1610.4	1629.1	1640.5	1646.8
-32.5°	1267.6	1320.9	1366.1	1406.1	1451.2	1497.2	1538.6	1571.6	1597.3	1610.5	1617.2
-35°	1224.3	1278.7	1326.1	1368.2	1410.7	1454.4	1497.4	1531.9	1561.1	1572.5	1580.9
-37.5°	1172.0	1232.0	1280.6	1324.1	1364.5	1405.6	1450.3	1489.7	1518.2	1529.2	1538.0
-40°	1118.4	1176.4	1225.4	1271.8	1311.7	1356.7	1399.7	1441.1	1465.7	1478.5	1488.5
-42.5°	1061.8	1114.2	1160.8	1205.9	1250.3	1296.6	1339.6	1382.6	1404.0	1419.4	1431.6
-45°	996.5	1045.3	1090.6	1132.8	1178.5	1224.0	1267.1	1305.0	1330.4	1350.6	1366.2
-47.5°	909.5	968.9	1014.3	1054.5	1099.9	1143.7	1185.4	1221.2	1249.0	1272.5	1290.7
-50°	821.1	878.0	929.3	974.5	1016.6	1057.1	1096.8	1131.7	1161.2	1186.7	1205.1
-52.5°	734.0	787.4	838.3	884.8	925.3	963.6	1000.0	1035.1	1066.2	1093.4	1111.2
-55°	635.7	691.0	741.3	784.7	825.1	863.0	898.9	932.2	962.8	990.5	1007.6
-57.5°	543.4	591.9	638.7	678.8	717.0	753.0	787.0	818.9	848.4	874.5	890.9
-60°	458.5	493.9	534.2	571.2	605.0	635.7	667.5	697.2	724.3	747.2	762.6
-62.5°	383.5	412.8	441.9	470.1	497.5	525.1	551.7	576.3	599.0	617.8	631.2
-65°	316.7	340.3	361.3	381.3	400.3	422.1	442.3	461.2	478.8	493.2	503.4
-67.5°	260.8	277.3	291.9	305.6	320.6	335.9	350.4	362.9	373.7	382.2	389.0
-70°	210.3	222.5	233.4	244.3	255.3	265.3	274.8	284.1	292.9	300.0	305.4
-72.5°	164.7	173.0	180.5	188.9	196.8	204.4	210.9	216.3	220.4	224.4	228.0
-75°	125.6	131.8	140.2	147.4	153.3	158.5	163.2	167.5	171.2	174.5	177.4
-77.5°	101.0	106.3	111.7	116.9	121.9	125.6	129.1	132.6	136.0	138.9	141.5
-80°	74.9	78.8	83.0	87.1	91.3	93.4	95.0	96.5	97.9	99.6	101.3
-82.5°	45.8	48.0	50.3	52.6	55.0	55.5	55.8	55.7	55.4	54.8	53.8
-85°	20.4	20.5	20.4	20.2	19.8	19.0	18.0	16.9	15.6	15.4	15.2
-87.5°	4.5	4.4	4.3	4.1	4.0	4.0	3.9	3.9	3.9	4.0	4.1
-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: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-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	0.1
85°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.2	0.0	0.2	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.2	0.0	0.2	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.4	0.4
65°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.5
62.5°	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7
60°	1.3	0.8	0.7	0.7	0.7	0.8	1.3	1.7	1.9	2.1	2.1
57.5°	8.1	6.0	5.1	4.7	5.1	6.0	8.1	9.6	10.3	31.3	37.9
55°	197.0	207.0	214.5	217.9	214.5	207.0	197.0	179.7	155.5	146.0	148.9
52.5°	273.5	277.8	280.4	280.3	280.4	277.8	273.5	268.8	263.4	254.5	246.1
50°	304.8	306.9	307.7	307.2	307.7	306.9	304.8	301.5	299.6	295.5	280.5
47.5°	450.2	411.3	382.6	375.7	382.6	411.3	450.2	467.9	448.6	409.3	364.8
45°	641.3	656.0	670.8	675.3	670.8	656.0	641.3	634.5	620.5	603.4	585.7
42.5°	707.4	712.2	714.9	715.0	714.9	712.2	707.4	701.1	686.2	667.6	644.6
40°	739.0	743.5	746.1	746.4	746.1	743.5	739.0	732.8	721.6	705.2	684.2
37.5°	767.7	771.5	774.1	776.6	774.1	771.5	767.7	765.9	764.4	747.7	735.2
35°	897.2	867.9	825.7	832.0	825.7	867.9	897.2	900.6	875.5	828.9	851.2
32.5°	1120.0	1132.3	1140.0	1153.1	1140.0	1132.3	1120.0	1108.6	1115.9	1090.4	1035.4
30°	1222.7	1226.8	1233.0	1239.5	1233.0	1226.8	1222.7	1219.5	1217.5	1187.7	1154.6
27.5°	1248.4	1252.6	1256.3	1259.2	1256.3	1252.6	1248.4	1246.0	1241.4	1222.8	1194.5
25°	1261.8	1264.4	1268.4	1271.9	1268.4	1264.4	1261.8	1261.3	1257.6	1246.1	1223.5
22.5°	1268.5	1268.7	1271.9	1276.3	1271.9	1268.7	1268.5	1269.5	1267.7	1262.7	1238.1
20°	1273.0	1270.5	1273.8	1276.7	1273.8	1270.5	1273.0	1274.7	1274.2	1274.4	1253.8
17.5°	1331.3	1298.1	1284.4	1284.7	1284.4	1298.1	1331.3	1298.2	1321.7	1332.5	1327.1
15°	1519.3	1531.8	1579.6	1605.4	1579.6	1531.8	1519.3	1555.0	1523.2	1530.6	1502.3
12.5°	1640.6	1636.1	1630.4	1638.2	1630.4	1636.1	1640.6	1641.7	1648.0	1651.4	1642.8
10°	1646.2	1645.7	1635.6	1646.6	1635.6	1645.7	1646.2	1649.6	1657.6	1663.2	1653.5
7.5°	1642.8	1643.0	1638.7	1649.5	1638.7	1643.0	1642.8	1651.8	1657.2	1660.5	1650.6
5°	1645.0	1637.6	1640.4	1646.6	1640.4	1637.6	1645.0	1645.9	1651.2	1655.2	1649.3
2.5°	1638.7	1637.9	1632.4	1636.7	1632.4	1637.9	1638.7	1642.1	1645.2	1647.0	1647.0
0°	1633.8	1629.8	1629.8	1633.5	1629.8	1629.8	1633.8	1640.0	1645.5	1650.2	1652.0
-2.5°	1642.4	1641.6	1641.1	1638.6	1641.1	1641.6	1642.4	1645.2	1647.9	1650.2	1651.1
-5°	1649.5	1647.4	1641.4	1649.5	1641.4	1647.4	1649.5	1652.6	1657.1	1660.3	1659.4
-7.5°	1657.1	1651.6	1645.9	1658.6	1645.9	1651.6	1657.1	1659.6	1665.0	1669.3	1668.9
-10°	1664.1	1656.1	1650.6	1663.0	1650.6	1656.1	1664.1	1669.7	1674.3	1678.4	1679.2
-12.5°	1673.3	1663.9	1660.3	1667.0	1660.3	1663.9	1673.3	1679.8	1684.8	1687.9	1686.7
-15°	1683.1	1676.6	1675.8	1679.7	1675.8	1676.6	1683.1	1689.9	1693.8	1696.4	1691.9
-17.5°	1691.8	1687.2	1689.4	1694.0	1689.4	1687.2	1691.8	1697.3	1700.6	1701.6	1695.4
-20°	1695.9	1693.3	1695.8	1707.1	1695.8	1693.3	1695.9	1699.4	1701.6	1701.0	1692.1



REPORT NUMBER: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-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°	1695.5	1695.7	1700.1	1703.8	1700.1	1695.7	1695.5	1697.4	1697.2	1694.5	1679.4
-25°	1689.1	1692.5	1697.6	1704.9	1697.6	1692.5	1689.1	1688.9	1686.6	1679.4	1664.1
-27.5°	1673.5	1679.1	1684.5	1692.1	1684.5	1679.1	1673.5	1671.3	1667.3	1657.2	1644.9
-30°	1650.9	1657.6	1662.3	1670.6	1662.3	1657.6	1650.9	1646.8	1640.5	1629.1	1610.4
-32.5°	1623.4	1631.1	1636.7	1642.6	1636.7	1631.1	1623.4	1617.2	1610.5	1597.3	1571.6
-35°	1589.1	1597.3	1603.3	1608.7	1603.3	1597.3	1589.1	1580.9	1572.5	1561.1	1531.9
-37.5°	1547.9	1556.7	1563.5	1569.7	1563.5	1556.7	1547.9	1538.0	1529.2	1518.2	1489.7
-40°	1499.8	1508.9	1516.2	1523.0	1516.2	1508.9	1499.8	1488.5	1478.5	1465.7	1441.1
-42.5°	1443.7	1452.8	1460.4	1467.3	1460.4	1452.8	1443.7	1431.6	1419.4	1404.0	1382.6
-45°	1378.8	1388.3	1396.2	1403.5	1396.2	1388.3	1378.8	1366.2	1350.6	1330.4	1305.0
-47.5°	1304.1	1314.2	1321.0	1324.4	1321.0	1314.2	1304.1	1290.7	1272.5	1249.0	1221.2
-50°	1218.5	1228.6	1236.7	1242.8	1236.7	1228.6	1218.5	1205.1	1186.7	1161.2	1131.7
-52.5°	1124.2	1133.8	1140.9	1145.1	1140.9	1133.8	1124.2	1111.2	1093.4	1066.2	1035.1
-55°	1021.0	1031.1	1037.8	1040.9	1037.8	1031.1	1021.0	1007.6	990.5	962.8	932.2
-57.5°	904.0	913.5	920.6	924.6	920.6	913.5	904.0	890.9	874.5	848.4	818.9
-60°	774.5	783.0	788.4	790.5	788.4	783.0	774.5	762.6	747.2	724.3	697.2
-62.5°	642.0	650.1	655.2	657.1	655.2	650.1	642.0	631.2	617.8	599.0	576.3
-65°	511.1	516.1	518.9	519.3	518.9	516.1	511.1	503.4	493.2	478.8	461.2
-67.5°	394.3	398.2	400.5	401.3	400.5	398.2	394.3	389.0	382.2	373.7	362.9
-70°	309.4	312.0	313.5	313.8	313.5	312.0	309.4	305.4	300.0	292.9	284.1
-72.5°	230.7	232.6	231.9	230.3	231.9	232.6	230.7	228.0	224.4	220.4	216.3
-75°	180.0	182.1	181.2	179.7	181.2	182.1	180.0	177.4	174.5	171.2	167.5
-77.5°	143.7	145.6	144.7	143.2	144.7	145.6	143.7	141.5	138.9	136.0	132.6
-80°	102.7	103.8	104.6	105.0	104.6	103.8	102.7	101.3	99.6	97.9	96.5
-82.5°	52.6	51.0	50.0	48.8	50.0	51.0	52.6	53.8	54.8	55.4	55.7
-85°	14.9	14.5	14.7	14.9	14.7	14.5	14.9	15.2	15.4	15.6	16.9
-87.5°	4.3	4.4	4.4	4.4	4.4	4.4	4.3	4.1	4.0	3.9	3.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-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°	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
62.5°	0.7	0.7	0.8	0.8	0.8	1.0	0.9	0.9	0.9	1.0	1.4
60°	1.8	1.4	2.1	2.3	2.0	3.4	5.7	5.2	1.6	8.3	9.5
57.5°	24.1	20.0	42.0	41.8	17.5	23.7	31.7	20.9	13.7	23.4	30.9
55°	168.2	154.0	133.9	131.8	138.7	105.4	88.1	84.8	66.4	43.2	51.3
52.5°	237.1	223.0	209.2	196.4	186.0	174.8	158.3	140.5	134.8	108.6	83.7
50°	268.2	282.0	268.5	235.5	241.3	225.4	202.2	183.2	187.1	171.1	137.9
47.5°	363.8	380.5	380.9	361.2	339.3	332.6	298.5	239.4	243.4	242.7	207.6
45°	532.6	509.3	518.0	490.3	451.6	430.2	429.0	365.8	307.2	297.7	294.3
42.5°	625.1	607.9	590.0	569.3	535.1	501.0	479.9	444.3	397.2	355.5	340.7
40°	662.6	642.4	625.7	608.7	581.1	546.1	529.1	482.4	447.0	410.9	398.9
37.5°	707.8	669.6	684.5	652.2	626.6	618.1	604.9	556.2	477.8	471.2	465.1
35°	808.7	773.0	807.4	801.3	699.4	710.8	719.5	659.7	577.6	533.1	534.0
32.5°	1039.1	956.7	931.5	962.3	908.7	819.8	821.1	803.0	690.8	626.0	597.6
30°	1122.5	1085.9	1046.2	1040.9	1001.0	949.5	916.8	873.2	791.5	717.6	669.0
27.5°	1158.5	1125.2	1091.9	1066.1	1043.1	1008.1	965.5	914.1	856.1	789.8	742.6
25°	1184.1	1147.0	1118.1	1089.7	1064.9	1038.5	994.9	944.8	890.7	837.2	786.6
22.5°	1204.8	1170.1	1139.1	1108.5	1088.4	1060.0	1020.8	969.1	932.8	898.8	832.9
20°	1227.3	1193.9	1159.0	1160.5	1130.8	1083.4	1045.7	1020.0	1015.1	976.8	891.7
17.5°	1325.3	1233.5	1250.5	1282.9	1217.5	1131.3	1117.9	1119.3	1103.6	1068.0	962.2
15°	1535.2	1402.5	1403.6	1425.9	1355.0	1249.2	1224.8	1221.8	1197.0	1157.6	1036.6
12.5°	1601.3	1556.9	1548.8	1515.6	1446.0	1366.9	1338.0	1322.3	1276.7	1200.6	1090.2
10°	1623.6	1597.9	1563.8	1530.4	1488.1	1456.3	1415.1	1358.1	1293.4	1220.0	1130.1
7.5°	1626.3	1599.6	1572.1	1540.3	1503.2	1465.9	1425.1	1368.5	1305.9	1233.9	1158.2
5°	1624.7	1598.1	1572.7	1542.2	1504.6	1468.4	1431.5	1375.5	1314.3	1243.0	1176.7
2.5°	1620.8	1593.8	1569.6	1541.9	1504.5	1469.6	1435.5	1383.0	1320.4	1250.5	1182.9
0°	1626.5	1599.9	1577.0	1546.0	1512.1	1471.6	1437.4	1390.7	1323.3	1255.5	1185.2
-2.5°	1629.0	1601.5	1580.5	1545.5	1517.5	1476.2	1441.5	1396.4	1328.8	1264.3	1190.8
-5°	1642.2	1614.8	1587.3	1552.3	1522.8	1484.1	1445.1	1398.7	1332.9	1269.1	1193.4
-7.5°	1650.8	1623.1	1591.1	1557.2	1527.5	1490.6	1447.3	1398.9	1336.7	1269.0	1194.6
-10°	1656.2	1627.2	1595.7	1560.9	1530.2	1492.3	1446.6	1397.7	1335.9	1266.0	1191.9
-12.5°	1663.8	1631.2	1598.7	1559.2	1528.5	1489.5	1443.9	1394.9	1330.2	1260.5	1185.1
-15°	1666.6	1633.1	1595.2	1556.5	1522.9	1485.0	1437.9	1386.6	1320.2	1252.0	1174.0
-17.5°	1667.8	1629.7	1589.3	1552.1	1515.9	1475.7	1426.0	1371.5	1307.5	1236.9	1159.2
-20°	1666.9	1622.6	1580.9	1540.5	1502.6	1461.7	1410.4	1356.5	1289.1	1217.4	1140.2



REPORT NUMBER: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-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°	1649.9	1609.8	1567.6	1523.7	1486.4	1443.2	1392.9	1337.1	1265.3	1195.9	1116.0
-25°	1631.2	1590.7	1547.0	1506.3	1466.6	1423.6	1371.9	1308.6	1240.5	1168.3	1086.6
-27.5°	1609.0	1566.4	1521.4	1479.9	1437.9	1395.6	1342.2	1278.5	1212.9	1133.9	1054.6
-30°	1579.2	1535.2	1489.2	1441.7	1403.4	1360.3	1307.5	1245.6	1175.1	1097.1	1021.7
-32.5°	1538.6	1497.2	1451.2	1406.1	1366.1	1320.9	1267.6	1206.1	1132.1	1058.4	979.9
-35°	1497.4	1454.4	1410.7	1368.2	1326.1	1278.7	1224.3	1157.3	1086.6	1013.6	932.1
-37.5°	1450.3	1405.6	1364.5	1324.1	1280.6	1232.0	1172.0	1107.3	1038.4	958.1	880.6
-40°	1399.7	1356.7	1311.7	1271.8	1225.4	1176.4	1118.4	1055.6	979.8	900.4	827.5
-42.5°	1339.6	1296.6	1250.3	1205.9	1160.8	1114.2	1061.8	993.9	918.7	843.9	768.2
-45°	1267.1	1224.0	1178.5	1132.8	1090.6	1045.3	996.5	924.1	849.9	778.5	705.9
-47.5°	1185.4	1143.7	1099.9	1054.5	1014.3	968.9	909.5	842.1	776.4	708.5	634.2
-50°	1096.8	1057.1	1016.6	974.5	929.3	878.0	821.1	762.3	697.2	627.5	559.6
-52.5°	1000.0	963.6	925.3	884.8	838.3	787.4	734.0	671.6	606.7	547.5	485.8
-55°	898.9	863.0	825.1	784.7	741.3	691.0	635.7	578.8	525.9	471.2	424.0
-57.5°	787.0	753.0	717.0	678.8	638.7	591.9	543.4	495.2	453.2	410.7	367.9
-60°	667.5	635.7	605.0	571.2	534.2	493.9	458.5	423.0	387.4	353.4	319.0
-62.5°	551.7	525.1	497.5	470.1	441.9	412.8	383.5	356.1	328.0	299.2	273.9
-65°	442.3	422.1	400.3	381.3	361.3	340.3	316.7	295.2	274.8	253.7	232.1
-67.5°	350.4	335.9	320.6	305.6	291.9	277.3	260.8	243.4	227.2	211.6	195.7
-70°	274.8	265.3	255.3	244.3	233.4	222.5	210.3	197.5	184.5	172.8	161.6
-72.5°	210.9	204.4	196.8	188.9	180.5	173.0	164.7	156.1	147.3	138.4	129.9
-75°	163.2	158.5	153.3	147.4	140.2	131.8	125.6	121.4	116.1	109.6	102.6
-77.5°	129.1	125.6	121.9	116.9	111.7	106.3	101.0	95.8	90.6	85.7	81.3
-80°	95.0	93.4	91.3	87.1	83.0	78.8	74.9	71.7	68.7	65.3	61.2
-82.5°	55.8	55.5	55.0	52.6	50.3	48.0	45.8	43.5	41.1	38.6	36.1
-85°	18.0	19.0	19.8	20.2	20.4	20.5	20.4	19.8	19.1	18.3	17.4
-87.5°	3.9	4.0	4.0	4.1	4.3	4.4	4.5	4.7	4.9	5.1	5.2
-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: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-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°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.6
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.6
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.6
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.6
72.5°	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.5	0.6	0.6
70°	0.4	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.5	0.6	0.7
67.5°	0.5	0.6	0.5	0.5	0.5	0.6	0.7	0.8	0.8	0.6	0.7
65°	0.6	0.6	0.7	1.0	0.9	0.6	0.7	1.4	1.1	1.0	0.7
62.5°	1.2	0.7	2.3	3.1	1.7	1.4	1.1	3.2	2.0	1.3	1.0
60°	2.9	2.3	6.4	10.3	7.2	2.4	3.5	5.5	5.1	1.8	1.4
57.5°	26.7	9.2	13.3	19.2	18.9	10.3	7.5	10.0	8.6	5.0	1.9
55°	57.0	48.0	31.7	29.0	31.3	25.3	16.5	16.2	13.3	9.2	3.2
52.5°	78.3	81.7	71.1	49.7	43.2	41.2	32.2	23.5	20.8	13.8	8.0
50°	113.3	105.5	104.4	87.7	60.7	54.9	47.5	36.6	29.2	19.7	13.5
47.5°	160.0	140.6	130.3	122.7	96.8	70.0	62.3	50.1	38.5	28.4	19.3
45°	228.8	181.7	161.8	149.6	132.6	98.4	78.0	63.2	50.2	38.2	25.3
42.5°	297.8	235.0	197.7	178.0	160.4	130.5	94.8	78.2	61.5	48.1	33.0
40°	358.6	289.9	235.6	210.2	187.6	161.5	121.9	94.4	72.7	58.3	41.7
37.5°	431.9	352.4	279.1	243.9	216.7	187.5	149.4	111.3	86.0	69.0	50.4
35°	502.8	433.3	327.8	284.6	249.0	214.0	176.0	131.2	102.5	79.8	59.1
32.5°	578.9	509.4	401.3	330.1	282.5	241.2	200.8	155.4	119.1	90.8	67.8
30°	638.8	559.5	465.8	375.6	318.9	271.5	225.5	178.7	135.7	101.9	76.6
27.5°	670.6	602.8	516.7	426.3	359.9	302.6	251.0	200.9	152.2	114.1	85.7
25°	703.5	633.4	553.0	470.6	400.4	335.5	276.5	222.0	170.3	127.9	94.8
22.5°	742.8	659.3	583.7	505.8	442.1	368.8	303.1	243.5	188.4	141.4	103.7
20°	782.3	683.4	614.0	553.6	483.0	404.9	330.9	264.4	205.4	154.6	112.4
17.5°	823.7	727.2	665.4	600.2	523.9	439.8	358.4	284.7	221.5	167.3	120.8
15°	895.8	792.8	717.2	645.6	564.5	473.4	385.2	304.2	236.4	179.5	128.7
12.5°	961.3	853.8	769.0	689.5	604.4	505.5	411.0	322.7	250.2	189.3	135.7
10°	1015.4	910.4	820.2	731.7	643.2	535.8	435.6	337.8	258.5	196.5	142.2
7.5°	1059.8	962.7	870.2	771.8	676.5	555.5	448.0	346.6	265.0	202.7	148.1
5°	1091.9	997.6	896.7	785.7	686.9	563.7	456.5	353.8	270.2	207.9	153.4
2.5°	1101.1	1008.3	906.7	793.4	694.0	569.0	462.5	359.2	274.2	212.1	158.1
0°	1106.5	1015.4	912.9	798.1	697.6	571.5	466.1	363.0	277.0	215.4	162.2
-2.5°	1114.0	1021.5	919.0	810.2	700.0	579.1	468.2	365.4	280.6	216.6	164.6
-5°	1117.8	1023.8	921.9	818.3	699.3	583.7	467.9	366.2	282.9	217.0	166.3
-7.5°	1116.1	1023.0	922.0	820.9	696.2	584.7	465.4	365.4	283.8	216.7	167.4
-10°	1111.1	1018.9	918.5	814.3	693.2	580.6	460.8	363.1	283.2	215.7	167.8
-12.5°	1103.4	1011.1	911.3	804.8	687.2	572.1	455.5	359.1	281.0	214.2	167.5
-15°	1093.5	999.9	900.3	792.8	677.2	560.7	447.5	353.3	276.5	212.5	166.5
-17.5°	1080.7	985.2	885.6	778.5	663.1	546.7	436.7	345.8	270.9	210.5	164.5
-20°	1058.0	965.4	866.9	762.3	644.9	530.1	423.1	336.5	264.3	207.5	161.7



REPORT NUMBER: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-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°	1032.4	940.9	843.5	740.3	622.9	510.9	406.7	325.5	256.6	203.7	158.2
-25°	1005.2	913.4	816.4	710.0	598.6	490.7	390.3	312.7	248.0	199.0	154.2
-27.5°	973.2	882.2	785.7	676.6	570.5	467.2	374.5	301.4	239.7	193.4	149.7
-30°	937.2	845.5	747.3	640.9	539.5	440.1	356.9	289.3	232.7	187.2	144.6
-32.5°	895.9	805.1	704.7	604.4	506.9	411.3	337.4	276.4	224.5	180.6	139.9
-35°	849.0	758.1	659.6	565.2	472.3	388.0	318.3	262.8	215.3	173.6	135.0
-37.5°	800.1	707.7	614.5	524.3	435.5	362.9	301.2	249.2	205.0	166.0	129.6
-40°	744.2	655.8	567.1	482.1	403.6	335.9	282.6	235.9	195.2	157.9	123.6
-42.5°	686.7	601.3	517.8	437.5	372.3	313.9	263.2	221.5	184.9	150.1	117.1
-45°	624.7	543.9	465.2	399.9	340.3	290.5	246.2	206.6	173.9	142.1	110.5
-47.5°	559.3	483.3	417.5	360.8	313.1	267.1	228.1	193.7	162.4	133.6	103.8
-50°	490.0	426.8	373.6	326.7	283.8	246.0	210.0	180.2	151.8	124.2	96.8
-52.5°	428.6	378.0	333.9	293.8	258.0	223.8	194.5	166.3	140.9	115.1	89.4
-55°	376.0	334.5	297.3	263.9	232.4	204.8	178.3	154.1	129.8	106.1	82.0
-57.5°	330.5	294.3	264.5	235.5	209.5	186.0	163.6	141.5	119.0	96.7	76.1
-60°	286.9	259.8	233.3	210.0	188.0	168.0	149.8	129.0	108.2	87.3	69.6
-62.5°	249.2	226.1	206.1	185.7	167.4	151.2	135.9	116.7	97.1	78.6	62.5
-65°	213.8	196.1	179.1	162.8	147.7	133.9	121.5	104.0	85.9	69.4	55.1
-67.5°	180.3	166.9	153.5	139.9	128.0	116.8	106.2	90.5	74.2	59.8	47.8
-70°	150.3	138.9	128.4	118.3	108.6	99.3	89.3	76.0	62.1	51.1	40.3
-72.5°	122.0	113.6	104.9	96.6	89.5	81.3	72.1	61.8	52.0	42.3	32.7
-75°	95.8	90.3	84.2	77.5	70.9	63.6	57.5	50.3	41.7	33.3	26.3
-77.5°	76.7	71.3	65.1	59.9	55.4	50.4	44.9	38.6	31.8	25.9	20.4
-80°	56.5	52.4	48.9	45.9	41.8	37.2	32.7	28.1	23.1	18.5	14.3
-82.5°	34.5	33.6	32.6	31.2	27.8	24.4	21.1	17.8	14.3	11.0	9.1
-85°	17.3	16.9	16.4	15.7	13.6	11.5	10.5	9.5	8.3	7.2	6.1
-87.5°	5.7	6.1	6.5	6.7	6.2	5.7	5.3	4.8	4.2	3.6	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: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-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°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
85°	0.4	0.3	0.2	0.2	0.1	0.1	0.0
82.5°	0.5	0.5	0.4	0.3	0.2	0.1	0.0
80°	0.7	0.6	0.5	0.4	0.2	0.2	0.0
77.5°	0.7	0.7	0.6	0.5	0.3	0.2	0.0
75°	0.7	0.7	0.7	0.5	0.4	0.2	0.0
72.5°	0.7	0.8	0.7	0.6	0.4	0.3	0.0
70°	0.7	0.8	0.8	0.7	0.5	0.3	0.0
67.5°	0.8	0.8	0.8	0.7	0.6	0.4	0.0
65°	1.0	1.0	0.9	0.8	0.6	0.4	0.0
62.5°	1.1	1.2	0.9	0.8	0.7	0.4	0.0
60°	1.3	1.4	1.0	0.9	0.8	0.5	0.0
57.5°	2.5	1.7	1.2	0.9	0.8	0.5	0.0
55°	4.0	2.1	1.5	1.0	0.8	0.5	0.0
52.5°	5.7	2.6	1.9	1.0	0.9	0.6	0.0
50°	7.7	4.5	2.2	1.0	0.9	0.6	0.0
47.5°	10.4	6.5	2.5	1.1	1.0	0.6	0.0
45°	15.6	8.7	2.9	1.4	1.0	0.7	0.0
42.5°	21.0	11.0	3.3	1.7	1.1	0.7	0.0
40°	26.5	13.4	4.4	2.0	1.1	0.7	0.0
37.5°	32.1	16.0	6.3	2.5	1.2	0.8	0.0
35°	37.8	19.9	8.3	3.0	1.2	0.8	0.0
32.5°	44.0	24.4	10.2	3.5	1.3	0.8	0.0
30°	51.1	28.8	12.2	4.1	1.3	0.9	0.0
27.5°	58.0	33.2	14.6	4.7	1.3	0.9	0.0
25°	64.7	37.6	17.1	5.3	1.4	0.9	0.0
22.5°	71.3	42.0	19.6	6.0	1.4	0.9	0.0
20°	77.6	46.7	22.1	6.7	1.5	1.0	0.0
17.5°	83.9	51.3	24.5	7.4	1.5	1.0	0.0
15°	89.9	55.7	26.8	8.1	1.6	1.0	0.0
12.5°	95.6	59.9	29.1	8.8	1.6	1.0	0.0
10°	100.8	63.9	31.3	9.5	1.7	1.0	0.0
7.5°	105.6	67.6	33.4	10.2	1.7	1.1	0.0
5°	110.0	71.0	35.3	10.8	1.7	1.1	0.0
2.5°	113.9	74.1	37.0	11.4	1.8	1.1	0.0
0°	117.4	76.9	38.6	12.0	1.8	1.1	0.0
-2.5°	119.1	78.7	40.1	12.8	2.1	1.2	0.0
-5°	120.4	80.0	41.3	13.5	2.4	1.2	0.0
-7.5°	121.1	81.0	42.4	14.1	2.6	1.3	0.0
-10°	121.5	81.7	43.1	14.7	2.9	1.3	0.0
-12.5°	121.4	81.9	43.6	15.2	3.2	1.4	0.0
-15°	120.9	81.8	43.9	15.6	3.4	1.4	0.0
-17.5°	120.1	81.3	43.9	15.8	3.6	1.5	0.0
-20°	118.7	80.5	43.6	16.0	3.8	1.5	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645343 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	116.7	79.2	42.9	16.0	4.0	1.5	0.0
-25°	114.3	77.3	42.0	16.0	4.2	1.6	0.0
-27.5°	111.4	75.0	40.8	15.8	4.3	1.6	0.0
-30°	108.0	72.3	39.3	15.5	4.4	1.6	0.0
-32.5°	104.2	69.2	37.5	15.0	4.5	1.6	0.0
-35°	100.1	65.9	35.5	14.4	4.6	1.6	0.0
-37.5°	95.7	62.5	33.3	13.7	4.6	1.6	0.0
-40°	90.9	59.5	30.9	12.9	4.6	1.6	0.0
-42.5°	85.8	56.3	29.1	11.9	4.6	1.5	0.0
-45°	80.4	52.8	27.9	11.0	4.5	1.5	0.0
-47.5°	74.6	49.1	26.4	9.9	4.4	1.5	0.0
-50°	69.8	45.3	24.8	9.6	4.3	1.4	0.0
-52.5°	65.0	41.2	22.9	9.4	4.2	1.4	0.0
-55°	60.1	38.2	20.8	9.1	4.0	1.3	0.0
-57.5°	54.9	35.1	18.5	8.7	3.8	1.2	0.0
-60°	49.6	31.7	16.1	8.2	3.6	1.2	0.0
-62.5°	44.9	28.0	14.9	7.6	3.4	1.1	0.0
-65°	39.7	24.1	13.6	6.9	3.1	1.0	0.0
-67.5°	34.2	20.8	12.2	6.2	2.9	0.9	0.0
-70°	28.5	18.2	10.6	5.4	2.6	0.8	0.0
-72.5°	24.1	15.4	8.9	4.7	2.3	0.7	0.0
-75°	19.7	12.4	7.1	4.1	2.0	0.6	0.0
-77.5°	15.1	9.3	5.8	3.5	1.7	0.5	0.0
-80°	10.3	7.1	4.7	2.8	1.4	0.4	0.0
-82.5°	7.5	5.4	3.6	2.1	1.0	0.3	0.0
-85°	5.1	3.6	2.4	1.4	0.7	0.2	0.0
-87.5°	2.5	1.8	1.2	0.7	0.3	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)