

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645594 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA6E-750-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645594 (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: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA6E-750-U-LAM-XX
Description: GALLEON FLOOD, SIX LIGHT SQAURE, LAMBERTIAN
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

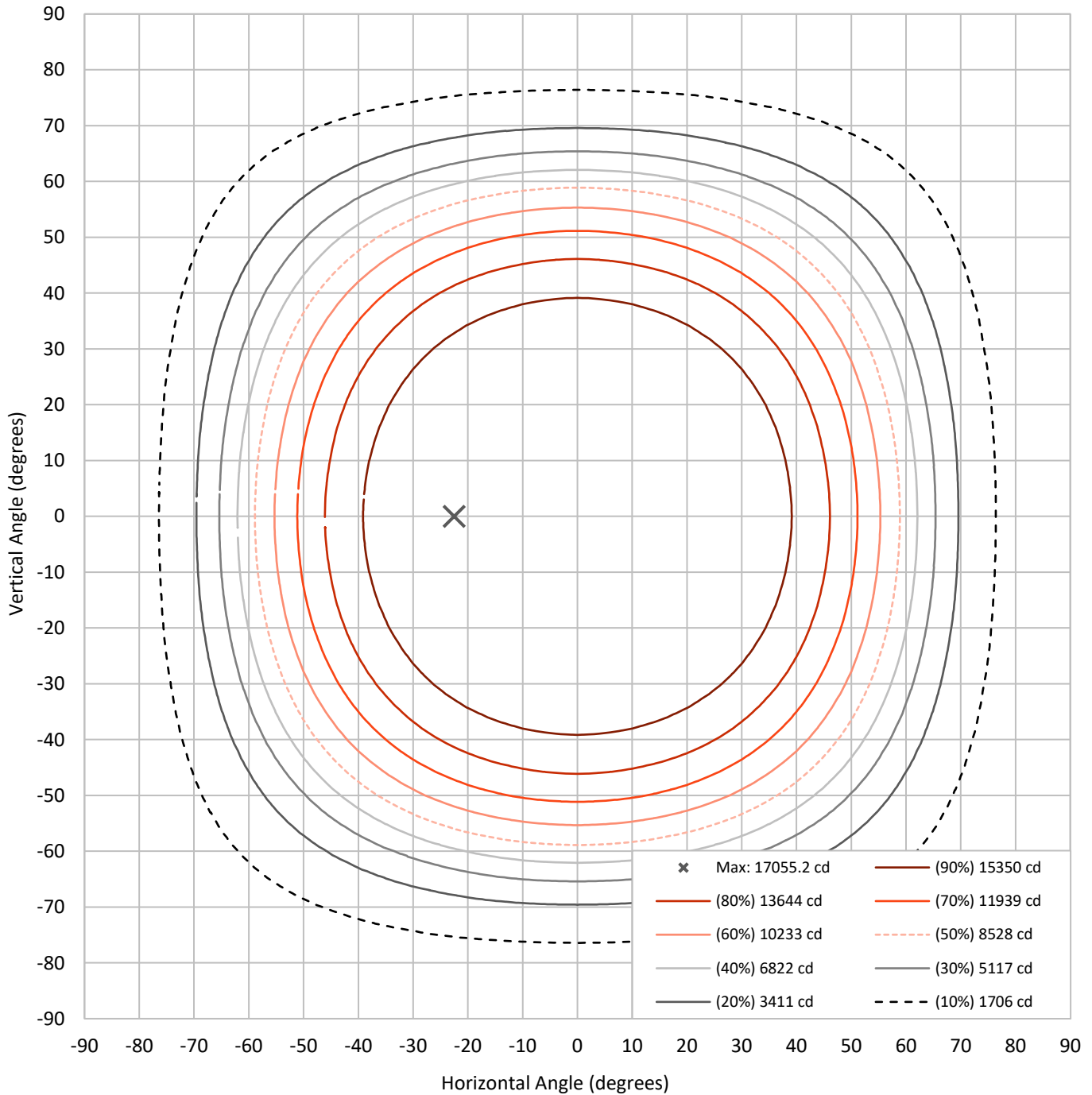
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	52172.8 lumens	Max Intensity:	17055.2 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	138.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	43419.2 lumens	Field Lumens:	51146.7 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	376.7		
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: P645594 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA6E-750-U-LAM-XX

Iso-Candela Plot





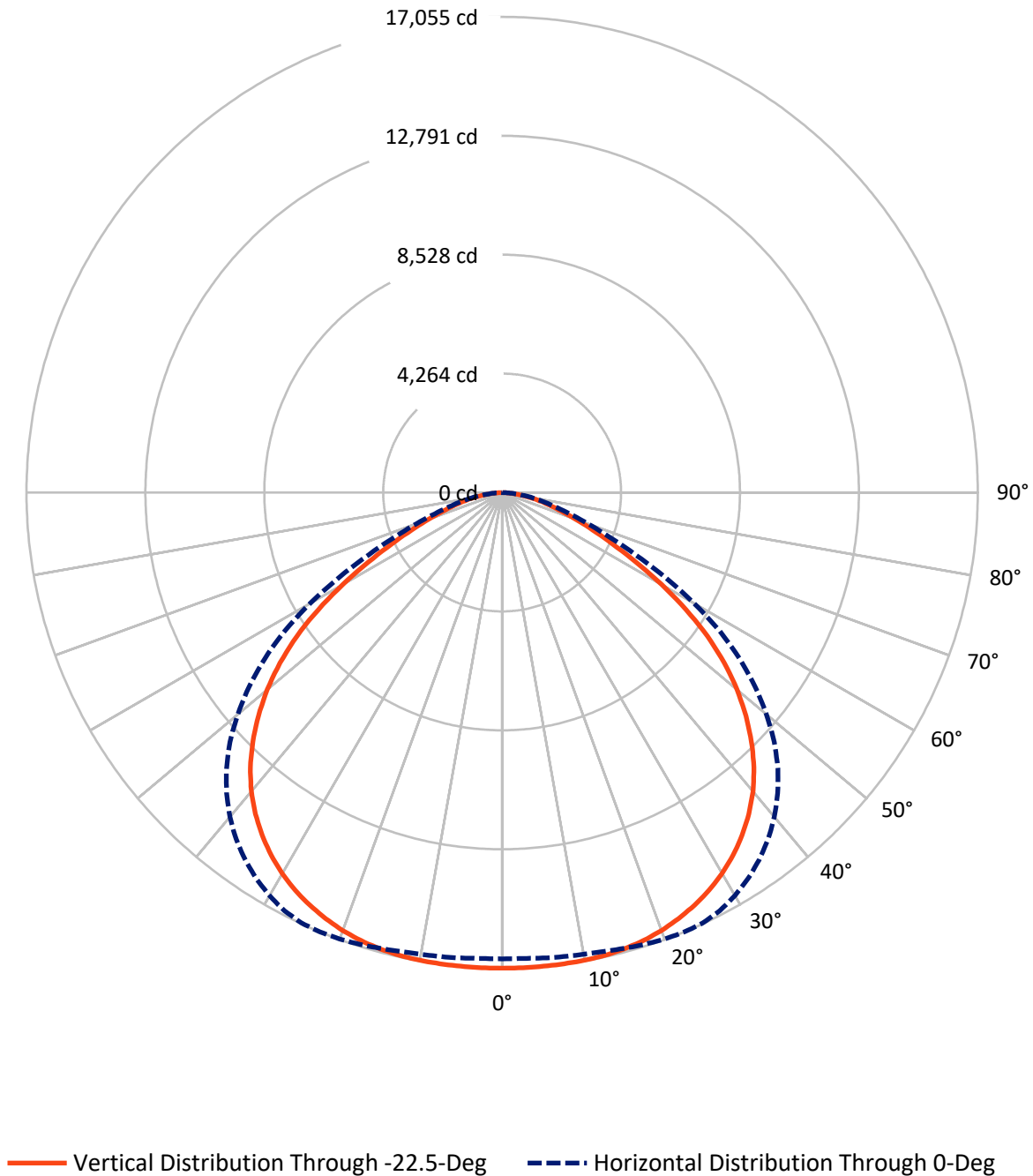
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Lumen Table

90																			
80	2.6	27.0		76.4		127.2		148.9		127.2		76.4		27.0		2.6			
70																			
60	12.9	15.2	31.7	55.4	85.7	118.4	146.3	161.8	161.8	146.3	118.4	85.7	55.4	31.7	15.2	12.9			
50		23.6	54.1	104.8	171.4	236.0	284.1	309.6	309.6	284.1	236.0	171.4	104.8	54.1	23.6				
40	24.4	33.6	85.5	170.4	261.3	337.4	391.1	418.7	418.7	391.1	337.4	261.3	170.4	85.5	33.6	24.4			
30		45.1	121.1	226.0	324.9	403.9	457.1	483.5	483.5	457.1	403.9	324.9	226.0	121.1	45.1				
20	33.4	56.5	150.7	264.0	365.3	442.3	491.4	513.2	513.2	491.4	442.3	365.3	264.0	150.7	56.5	33.4			
10		65.6	170.1	287.1	387.9	461.1	500.1	513.5	513.5	500.1	461.1	387.9	287.1	170.1	65.6				
0	36.9	70.4	179.7	298.0	397.9	467.0	497.9	508.7	508.7	497.9	467.0	397.9	298.0	179.7	70.4	36.9			
-10		70.4	179.7	298.0	397.9	467.0	497.9	508.7	508.7	497.9	467.0	397.9	298.0	179.7	70.4				
-20	33.4	65.6	170.1	287.1	387.9	461.1	500.1	513.5	513.5	500.1	461.1	387.9	287.1	170.1	65.6	33.4			
-30		56.5	150.7	264.0	365.3	442.3	491.4	513.2	513.2	491.4	442.3	365.3	264.0	150.7	56.5				
-40	24.4	45.1	121.1	226.0	324.9	403.9	457.1	483.5	483.5	457.1	403.9	324.9	226.0	121.1	45.1	24.4			
-50		33.6	85.5	170.4	261.3	337.4	391.1	418.7	418.7	391.1	337.4	261.3	170.4	85.5	33.6				
-60	12.9	23.6	54.1	104.8	171.4	236.0	284.1	309.6	309.6	284.1	236.0	171.4	104.8	54.1	23.6	12.9			
-70		15.2	31.7	55.4	85.7	118.4	146.3	161.8	161.8	146.3	118.4	85.7	55.4	31.7	15.2				
-80																			
-90	2.6	27.0		76.4		127.2		148.9		127.2		76.4		27.0		2.6			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
	Horizontal Angle (degrees)																		

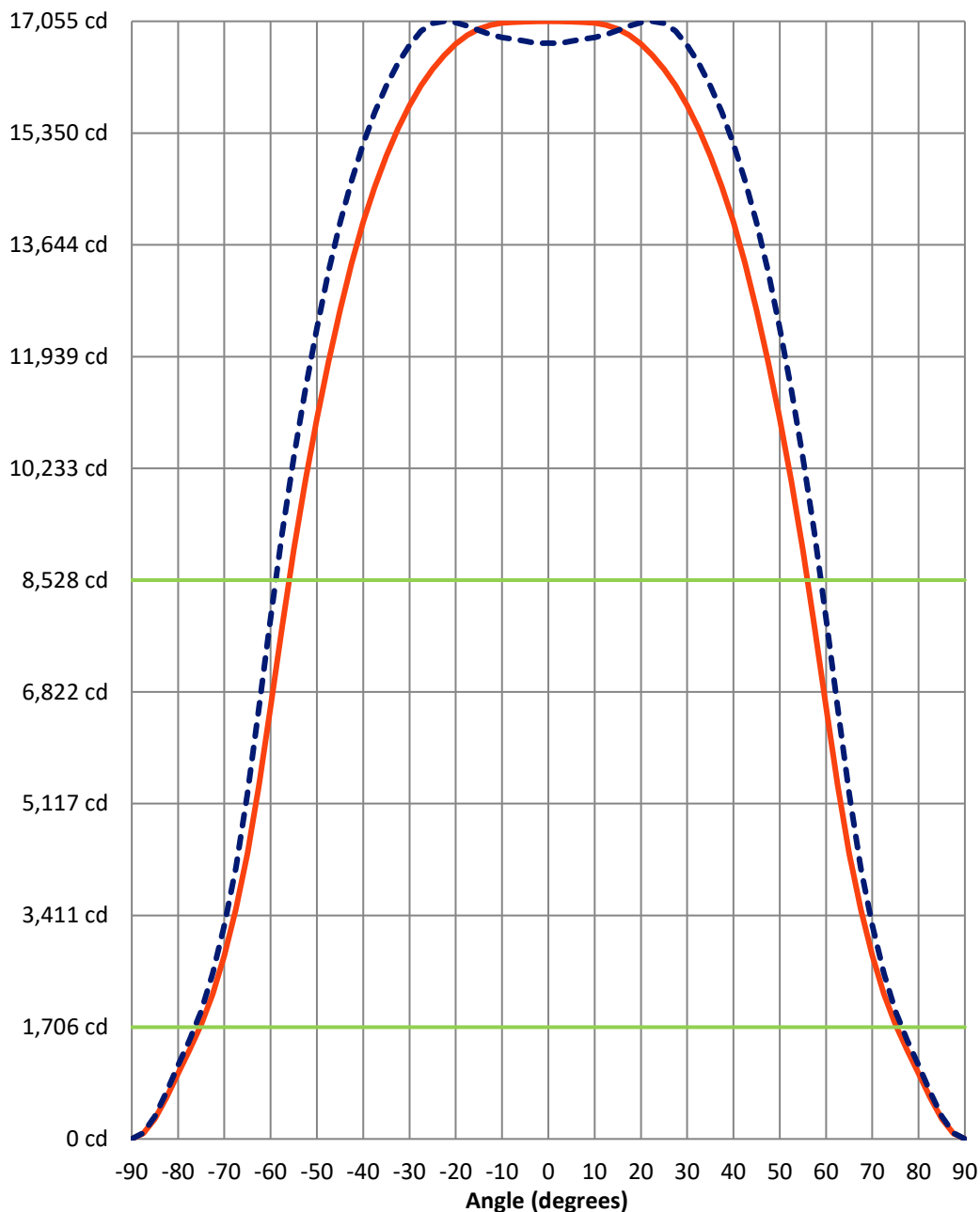
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 43419.2
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 51146.7
 Efficiency: 98.0%

Spill:
 Lumens: 1026.1
 Efficiency: 2.0%

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

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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	4.1	8.1	12.2	16.2	20.2	24.1	28.0	31.9	35.7	39.4
85°	0.0	8.1	16.2	24.3	32.4	40.3	48.2	56.0	63.7	71.3	78.8
82.5°	0.0	12.2	24.3	36.4	48.5	60.4	72.3	83.9	99.3	130.2	160.5
80°	0.0	16.2	32.4	48.5	64.5	80.4	101.0	143.4	185.2	226.3	266.8
77.5°	0.0	20.2	40.3	60.4	80.4	112.1	165.5	218.3	270.5	321.8	383.8
75°	0.0	24.1	48.2	72.3	101.0	165.5	229.4	292.7	358.7	448.2	536.2
72.5°	0.0	28.0	56.0	83.9	143.4	218.3	292.7	374.9	480.6	584.7	687.1
70°	0.0	31.9	63.7	99.3	185.2	270.5	358.7	480.6	600.9	719.9	848.4
67.5°	0.0	35.7	71.3	130.2	226.3	321.8	448.2	584.7	719.9	866.4	1010.6
65°	0.0	39.4	78.8	160.5	266.8	383.8	536.2	687.1	848.4	1010.6	1168.1
62.5°	0.0	43.1	86.1	190.3	306.4	455.8	622.5	794.8	974.7	1150.9	1317.9
60°	0.0	46.6	93.2	219.4	345.2	526.3	707.0	903.2	1098.3	1283.4	1464.8
57.5°	0.0	50.1	112.0	247.8	399.3	595.1	796.8	1009.1	1214.8	1413.0	1621.5
55°	0.0	53.5	130.4	275.4	452.9	662.0	885.3	1112.2	1327.2	1543.1	1780.7
52.5°	0.0	56.8	148.3	302.2	504.9	728.1	971.2	1208.4	1436.6	1682.6	1935.7
50°	0.0	60.0	165.5	328.1	555.2	797.4	1054.4	1301.1	1546.7	1817.9	2128.3
47.5°	0.0	63.0	182.2	355.8	603.8	864.3	1134.2	1390.6	1662.9	1948.9	2319.7
45°	0.0	66.0	198.2	390.8	650.5	928.6	1208.0	1476.8	1774.9	2113.7	2504.3
42.5°	0.0	68.8	213.5	424.3	695.2	990.2	1278.7	1565.9	1882.3	2273.0	2721.9
40°	0.0	71.5	228.1	456.2	740.0	1049.1	1346.2	1655.6	1995.5	2425.4	2936.9
37.5°	0.0	74.0	242.0	486.6	784.6	1105.0	1410.4	1740.8	2124.0	2581.3	3141.8
35°	0.0	76.4	255.1	515.2	826.8	1156.3	1471.2	1821.5	2245.7	2755.3	3351.0
32.5°	0.0	78.7	267.4	542.2	866.4	1203.7	1530.6	1897.4	2360.4	2919.3	3571.0
30°	0.0	80.8	279.0	567.3	903.5	1248.1	1591.2	1973.8	2467.7	3073.0	3777.1
27.5°	0.0	82.8	289.6	590.7	937.9	1289.2	1647.5	2060.5	2577.3	3215.9	3969.0
25°	0.0	84.6	299.4	612.2	969.5	1327.1	1699.3	2140.4	2693.5	3364.8	4148.3
22.5°	0.0	86.2	308.4	631.7	998.3	1361.6	1746.5	2213.3	2799.6	3509.0	4357.7
20°	0.0	87.7	316.4	649.3	1024.3	1392.7	1789.1	2278.9	2895.2	3639.2	4546.7
17.5°	0.0	89.0	323.6	664.9	1047.3	1420.3	1826.9	2337.3	2980.2	3755.0	4714.9
15°	0.0	90.1	329.8	678.5	1067.3	1444.3	1859.8	2388.1	3054.3	3855.9	4861.7
12.5°	0.0	91.1	335.0	690.1	1084.3	1464.8	1887.8	2431.3	3117.4	3941.9	4986.6
10°	0.0	91.9	339.4	699.6	1098.3	1481.5	1910.7	2466.8	3169.2	4012.5	5089.4
7.5°	0.0	92.5	342.7	707.0	1109.2	1494.6	1928.7	2494.6	3209.6	4067.6	5169.7
5°	0.0	92.9	345.2	712.3	1117.0	1504.0	1941.5	2514.4	3238.6	4107.1	5227.2
2.5°	0.0	93.2	346.6	715.4	1121.7	1509.6	1949.2	2526.3	3256.0	4130.9	5261.8
0°	0.0	93.3	347.1	716.5	1123.3	1511.5	1951.8	2530.3	3261.8	4138.8	5273.3
-2.5°	0.0	93.2	346.6	715.4	1121.7	1509.6	1949.2	2526.3	3256.0	4130.9	5261.8
-5°	0.0	92.9	345.2	712.3	1117.0	1504.0	1941.5	2514.4	3238.6	4107.1	5227.2
-7.5°	0.0	92.5	342.7	707.0	1109.2	1494.6	1928.7	2494.6	3209.6	4067.6	5169.7
-10°	0.0	91.9	339.4	699.6	1098.3	1481.5	1910.7	2466.8	3169.2	4012.5	5089.4
-12.5°	0.0	91.1	335.0	690.1	1084.3	1464.8	1887.8	2431.3	3117.4	3941.9	4986.6
-15°	0.0	90.1	329.8	678.5	1067.3	1444.3	1859.8	2388.1	3054.3	3855.9	4861.7
-17.5°	0.0	89.0	323.6	664.9	1047.3	1420.3	1826.9	2337.3	2980.2	3755.0	4714.9
-20°	0.0	87.7	316.4	649.3	1024.3	1392.7	1789.1	2278.9	2895.2	3639.2	4546.7

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	86.2	308.4	631.7	998.3	1361.6	1746.5	2213.3	2799.6	3509.0	4357.7
-25°	0.0	84.6	299.4	612.2	969.5	1327.1	1699.3	2140.4	2693.5	3364.8	4148.3
-27.5°	0.0	82.8	289.6	590.7	937.9	1289.2	1647.5	2060.5	2577.3	3215.9	3969.0
-30°	0.0	80.8	279.0	567.3	903.5	1248.1	1591.2	1973.8	2467.7	3073.0	3777.1
-32.5°	0.0	78.7	267.4	542.2	866.4	1203.7	1530.6	1897.4	2360.4	2919.3	3571.0
-35°	0.0	76.4	255.1	515.2	826.8	1156.3	1471.2	1821.5	2245.7	2755.3	3351.0
-37.5°	0.0	74.0	242.0	486.6	784.6	1105.0	1410.4	1740.8	2124.0	2581.3	3141.8
-40°	0.0	71.5	228.1	456.2	740.0	1049.1	1346.2	1655.6	1995.5	2425.4	2936.9
-42.5°	0.0	68.8	213.5	424.3	695.2	990.2	1278.7	1565.9	1882.3	2273.0	2721.9
-45°	0.0	66.0	198.2	390.8	650.5	928.6	1208.0	1476.8	1774.9	2113.7	2504.3
-47.5°	0.0	63.0	182.2	355.8	603.8	864.3	1134.2	1390.6	1662.9	1948.9	2319.7
-50°	0.0	60.0	165.5	328.1	555.2	797.4	1054.4	1301.1	1546.7	1817.9	2128.3
-52.5°	0.0	56.8	148.3	302.2	504.9	728.1	971.2	1208.4	1436.6	1682.6	1935.7
-55°	0.0	53.5	130.4	275.4	452.9	662.0	885.3	1112.2	1327.2	1543.1	1780.7
-57.5°	0.0	50.1	112.0	247.8	399.3	595.1	796.8	1009.1	1214.8	1413.0	1621.5
-60°	0.0	46.6	93.2	219.4	345.2	526.3	707.0	903.2	1098.3	1283.4	1464.8
-62.5°	0.0	43.1	86.1	190.3	306.4	455.8	622.5	794.8	974.7	1150.9	1317.9
-65°	0.0	39.4	78.8	160.5	266.8	383.8	536.2	687.1	848.4	1010.6	1168.1
-67.5°	0.0	35.7	71.3	130.2	226.3	321.8	448.2	584.7	719.9	866.4	1010.6
-70°	0.0	31.9	63.7	99.3	185.2	270.5	358.7	480.6	600.9	719.9	848.4
-72.5°	0.0	28.0	56.0	83.9	143.4	218.3	292.7	374.9	480.6	584.7	687.1
-75°	0.0	24.1	48.2	72.3	101.0	165.5	229.4	292.7	358.7	448.2	536.2
-77.5°	0.0	20.2	40.3	60.4	80.4	112.1	165.5	218.3	270.5	321.8	383.8
-80°	0.0	16.2	32.4	48.5	64.5	80.4	101.0	143.4	185.2	226.3	266.8
-82.5°	0.0	12.2	24.3	36.4	48.5	60.4	72.3	83.9	99.3	130.2	160.5
-85°	0.0	8.1	16.2	24.3	32.4	40.3	48.2	56.0	63.7	71.3	78.8
-87.5°	0.0	4.1	8.1	12.2	16.2	20.2	24.1	28.0	31.9	35.7	39.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	43.1	46.6	50.1	53.5	56.8	60.0	63.0	66.0	68.8	71.5	74.0
85°	86.1	93.2	112.0	130.4	148.3	165.5	182.2	198.2	213.5	228.1	242.0
82.5°	190.3	219.4	247.8	275.4	302.2	328.1	355.8	390.8	424.3	456.2	486.6
80°	306.4	345.2	399.3	452.9	504.9	555.2	603.8	650.5	695.2	740.0	784.6
77.5°	455.8	526.3	595.1	662.0	728.1	797.4	864.3	928.6	990.2	1049.1	1105.0
75°	622.5	707.0	796.8	885.3	971.2	1054.4	1134.2	1208.0	1278.7	1346.2	1410.4
72.5°	794.8	903.2	1009.1	1112.2	1208.4	1301.1	1390.6	1476.8	1565.9	1655.6	1740.8
70°	974.7	1098.3	1214.8	1327.2	1436.6	1546.7	1662.9	1774.9	1882.3	1995.5	2124.0
67.5°	1150.9	1283.4	1413.0	1543.1	1682.6	1817.9	1948.9	2113.7	2273.0	2425.4	2581.3
65°	1317.9	1464.8	1621.5	1780.7	1935.7	2128.3	2319.7	2504.3	2721.9	2936.9	3141.8
62.5°	1482.1	1660.9	1840.0	2034.6	2258.5	2476.1	2728.4	2985.8	3233.6	3512.6	3784.3
60°	1660.9	1859.8	2086.9	2337.3	2594.9	2895.2	3186.5	3509.0	3834.2	4148.3	4533.9
57.5°	1840.0	2086.9	2363.6	2661.9	2996.1	3333.5	3712.3	4078.9	4518.6	4958.0	5395.0
55°	2034.6	2337.3	2661.9	3029.9	3415.0	3835.3	4274.6	4786.6	5282.2	5834.3	6363.1
52.5°	2258.5	2594.9	2996.1	3415.0	3876.4	4381.9	4948.8	5535.0	6152.5	6752.0	7340.0
50°	2476.1	2895.2	3333.5	3835.3	4381.9	5003.1	5662.3	6345.1	7019.2	7676.7	8292.5
47.5°	2728.4	3186.5	3712.3	4274.6	4948.8	5662.3	6409.7	7153.7	7880.7	8555.3	9201.4
45°	2985.8	3509.0	4078.9	4786.6	5535.0	6345.1	7153.7	7949.1	8687.7	9384.8	9994.5
42.5°	3233.6	3834.2	4518.6	5282.2	6152.5	7019.2	7880.7	8687.7	9444.5	10115.7	10728.2
40°	3512.6	4148.3	4958.0	5834.3	6752.0	7676.7	8555.3	9384.8	10115.7	10784.1	11404.3
37.5°	3784.3	4533.9	5395.0	6363.1	7340.0	8292.5	9201.4	9994.5	10728.2	11404.3	11999.3
35°	4042.3	4900.4	5859.4	6875.6	7901.2	8869.7	9754.3	10561.7	11290.7	11946.8	12555.1
32.5°	4329.1	5246.8	6298.9	7368.0	8412.6	9398.8	10275.6	11065.5	11790.3	12456.5	13060.6
30°	4624.8	5620.5	6716.0	7831.7	8892.9	9857.5	10732.8	11532.7	12251.6	12909.7	13501.8
27.5°	4900.4	5973.0	7113.9	8251.4	9331.6	10287.6	11151.2	11938.6	12661.8	13324.3	13898.1
25°	5154.9	6298.9	7482.3	8635.5	9701.0	10659.2	11530.5	12317.4	13036.5	13672.3	14230.0
22.5°	5406.1	6597.4	7819.8	8988.0	10040.3	10991.3	11854.8	12643.7	13363.2	13993.0	14528.3
20°	5650.3	6875.6	8117.7	9300.6	10348.2	11293.1	12149.9	12937.4	13637.6	14247.5	14780.3
17.5°	5867.7	7123.4	8378.2	9552.9	10601.4	11550.7	12411.1	13201.2	13884.6	14477.0	14998.0
15°	6057.6	7340.0	8606.1	9773.9	10819.2	11764.8	12625.2	13406.6	14085.4	14672.9	15190.1
12.5°	6219.3	7524.7	8800.5	9962.6	11005.3	11948.0	12808.6	13579.2	14246.5	14826.5	15332.6
10°	6352.4	7676.7	8960.7	10118.1	11158.8	12099.3	12960.3	13722.1	14380.2	14954.0	15451.2
7.5°	6456.4	7795.5	9085.9	10239.8	11279.1	12217.9	13079.3	13834.3	14485.2	15054.5	15544.7
5°	6530.9	7880.7	9175.8	10327.2	11365.4	12303.0	13164.8	13915.0	14560.9	15127.0	15612.4
2.5°	6575.7	7932.0	9229.9	10379.7	11417.4	12354.4	13216.4	13963.7	14606.6	15170.8	15653.2
0°	6590.7	7949.1	9247.9	10397.3	11434.8	12371.5	13233.6	13980.0	14621.9	15185.4	15666.9
-2.5°	6575.7	7932.0	9229.9	10379.7	11417.4	12354.4	13216.4	13963.7	14606.6	15170.8	15653.2
-5°	6530.9	7880.7	9175.8	10327.2	11365.4	12303.0	13164.8	13915.0	14560.9	15127.0	15612.4
-7.5°	6456.4	7795.5	9085.9	10239.8	11279.1	12217.9	13079.3	13834.3	14485.2	15054.5	15544.7
-10°	6352.4	7676.7	8960.7	10118.1	11158.8	12099.3	12960.3	13722.1	14380.2	14954.0	15451.2
-12.5°	6219.3	7524.7	8800.5	9962.6	11005.3	11948.0	12808.6	13579.2	14246.5	14826.5	15332.6
-15°	6057.6	7340.0	8606.1	9773.9	10819.2	11764.8	12625.2	13406.6	14085.4	14672.9	15190.1
-17.5°	5867.7	7123.4	8378.2	9552.9	10601.4	11550.7	12411.1	13201.2	13884.6	14477.0	14998.0
-20°	5650.3	6875.6	8117.7	9300.6	10348.2	11293.1	12149.9	12937.4	13637.6	14247.5	14780.3



REPORT NUMBER: P645594 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-750-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°	5406.1	6597.4	7819.8	8988.0	10040.3	10991.3	11854.8	12643.7	13363.2	13993.0	14528.3
-25°	5154.9	6298.9	7482.3	8635.5	9701.0	10659.2	11530.5	12317.4	13036.5	13672.3	14230.0
-27.5°	4900.4	5973.0	7113.9	8251.4	9331.6	10287.6	11151.2	11938.6	12661.8	13324.3	13898.1
-30°	4624.8	5620.5	6716.0	7831.7	8892.9	9857.5	10732.8	11532.7	12251.6	12909.7	13501.8
-32.5°	4329.1	5246.8	6298.9	7368.0	8412.6	9398.8	10275.6	11065.5	11790.3	12456.5	13060.6
-35°	4042.3	4900.4	5859.4	6875.6	7901.2	8869.7	9754.3	10561.7	11290.7	11946.8	12555.1
-37.5°	3784.3	4533.9	5395.0	6363.1	7340.0	8292.5	9201.4	9994.5	10728.2	11404.3	11999.3
-40°	3512.6	4148.3	4958.0	5834.3	6752.0	7676.7	8555.3	9384.8	10115.7	10784.1	11404.3
-42.5°	3233.6	3834.2	4518.6	5282.2	6152.5	7019.2	7880.7	8687.7	9444.5	10115.7	10728.2
-45°	2985.8	3509.0	4078.9	4786.6	5535.0	6345.1	7153.7	7949.1	8687.7	9384.8	9994.5
-47.5°	2728.4	3186.5	3712.3	4274.6	4948.8	5662.3	6409.7	7153.7	7880.7	8555.3	9201.4
-50°	2476.1	2895.2	3333.5	3835.3	4381.9	5003.1	5662.3	6345.1	7019.2	7676.7	8292.5
-52.5°	2258.5	2594.9	2996.1	3415.0	3876.4	4381.9	4948.8	5535.0	6152.5	6752.0	7340.0
-55°	2034.6	2337.3	2661.9	3029.9	3415.0	3835.3	4274.6	4786.6	5282.2	5834.3	6363.1
-57.5°	1840.0	2086.9	2363.6	2661.9	2996.1	3333.5	3712.3	4078.9	4518.6	4958.0	5395.0
-60°	1660.9	1859.8	2086.9	2337.3	2594.9	2895.2	3186.5	3509.0	3834.2	4148.3	4533.9
-62.5°	1482.1	1660.9	1840.0	2034.6	2258.5	2476.1	2728.4	2985.8	3233.6	3512.6	3784.3
-65°	1317.9	1464.8	1621.5	1780.7	1935.7	2128.3	2319.7	2504.3	2721.9	2936.9	3141.8
-67.5°	1150.9	1283.4	1413.0	1543.1	1682.6	1817.9	1948.9	2113.7	2273.0	2425.4	2581.3
-70°	974.7	1098.3	1214.8	1327.2	1436.6	1546.7	1662.9	1774.9	1882.3	1995.5	2124.0
-72.5°	794.8	903.2	1009.1	1112.2	1208.4	1301.1	1390.6	1476.8	1565.9	1655.6	1740.8
-75°	622.5	707.0	796.8	885.3	971.2	1054.4	1134.2	1208.0	1278.7	1346.2	1410.4
-77.5°	455.8	526.3	595.1	662.0	728.1	797.4	864.3	928.6	990.2	1049.1	1105.0
-80°	306.4	345.2	399.3	452.9	504.9	555.2	603.8	650.5	695.2	740.0	784.6
-82.5°	190.3	219.4	247.8	275.4	302.2	328.1	355.8	390.8	424.3	456.2	486.6
-85°	86.1	93.2	112.0	130.4	148.3	165.5	182.2	198.2	213.5	228.1	242.0
-87.5°	43.1	46.6	50.1	53.5	56.8	60.0	63.0	66.0	68.8	71.5	74.0
-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: P645594 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-750-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°	76.4	78.7	80.8	82.8	84.6	86.2	87.7	89.0	90.1	91.1	91.9
85°	255.1	267.4	279.0	289.6	299.4	308.4	316.4	323.6	329.8	335.0	339.4
82.5°	515.2	542.2	567.3	590.7	612.2	631.7	649.3	664.9	678.5	690.1	699.6
80°	826.8	866.4	903.5	937.9	969.5	998.3	1024.3	1047.3	1067.3	1084.3	1098.3
77.5°	1156.3	1203.7	1248.1	1289.2	1327.1	1361.6	1392.7	1420.3	1444.3	1464.8	1481.5
75°	1471.2	1530.6	1591.2	1647.5	1699.3	1746.5	1789.1	1826.9	1859.8	1887.8	1910.7
72.5°	1821.5	1897.4	1973.8	2060.5	2140.4	2213.3	2278.9	2337.3	2388.1	2431.3	2466.8
70°	2245.7	2360.4	2467.7	2577.3	2693.5	2799.6	2895.2	2980.2	3054.3	3117.4	3169.2
67.5°	2755.3	2919.3	3073.0	3215.9	3364.8	3509.0	3639.2	3755.0	3855.9	3941.9	4012.5
65°	3351.0	3571.0	3777.1	3969.0	4148.3	4357.7	4546.7	4714.9	4861.7	4986.6	5089.4
62.5°	4042.3	4329.1	4624.8	4900.4	5154.9	5406.1	5650.3	5867.7	6057.6	6219.3	6352.4
60°	4900.4	5246.8	5620.5	5973.0	6298.9	6597.4	6875.6	7123.4	7340.0	7524.7	7676.7
57.5°	5859.4	6298.9	6716.0	7113.9	7482.3	7819.8	8117.7	8378.2	8606.1	8800.5	8960.7
55°	6875.6	7368.0	7831.7	8251.4	8635.5	8988.0	9300.6	9552.9	9773.9	9962.6	10118.1
52.5°	7901.2	8412.6	8892.9	9331.6	9701.0	10040.3	10348.2	10601.4	10819.2	11005.3	11158.8
50°	8869.7	9398.8	9857.5	10287.6	10659.2	10991.3	11293.1	11550.7	11764.8	11948.0	12099.3
47.5°	9754.3	10275.6	10732.8	11151.2	11530.5	11854.8	12149.9	12411.1	12625.2	12808.6	12960.3
45°	10561.7	11065.5	11532.7	11938.6	12317.4	12643.7	12937.4	13201.2	13406.6	13579.2	13722.1
42.5°	11290.7	11790.3	12251.6	12661.8	13036.5	13363.2	13637.6	13884.6	14085.4	14246.5	14380.2
40°	11946.8	12456.5	12909.7	13324.3	13672.3	13993.0	14247.5	14477.0	14672.9	14826.5	14954.0
37.5°	12555.1	13060.6	13501.8	13898.1	14230.0	14528.3	14780.3	14998.0	15190.1	15332.6	15451.2
35°	13111.2	13591.5	14027.9	14391.3	14720.3	15001.2	15249.3	15450.1	15628.7	15764.4	15872.5
32.5°	13591.5	14067.7	14472.9	14830.6	15151.9	15414.0	15652.0	15835.9	15997.9	16128.5	16229.0
30°	14027.9	14472.9	14867.7	15222.0	15514.8	15770.1	15984.2	16163.9	16313.6	16438.2	16526.5
27.5°	14391.3	14830.6	15222.0	15548.7	15828.8	16074.6	16270.7	16443.6	16574.3	16688.9	16764.9
25°	14720.3	15151.9	15514.8	15828.8	16100.7	16325.1	16511.8	16668.4	16784.3	16882.5	16939.0
22.5°	15001.2	15414.0	15770.1	16074.6	16325.1	16534.8	16710.7	16843.3	16938.2	16997.6	17031.1
20°	15249.3	15652.0	15984.2	16270.7	16511.8	16710.7	16863.4	16961.4	17027.5	17043.9	17053.5
17.5°	15450.1	15835.9	16163.9	16443.6	16668.4	16843.3	16961.4	17030.6	17050.5	17046.9	17037.1
15°	15628.7	15997.9	16313.6	16574.3	16784.3	16938.2	17027.5	17050.5	17044.7	17024.7	16994.0
12.5°	15764.4	16128.5	16438.2	16688.9	16882.5	16997.6	17043.9	17046.9	17024.7	16986.5	16942.8
10°	15872.5	16229.0	16526.5	16764.9	16939.0	17031.1	17053.5	17037.1	16994.0	16942.8	16894.4
7.5°	15958.0	16308.7	16596.8	16825.6	16976.0	17041.4	17046.3	17015.5	16963.7	16905.6	16853.2
5°	16019.9	16366.5	16647.9	16869.9	17003.2	17049.0	17040.9	16998.5	16938.4	16877.7	16829.8
2.5°	16057.4	16401.6	16679.0	16896.8	17019.7	17053.6	17037.6	16987.9	16922.5	16859.8	16814.3
0°	16069.9	16413.3	16689.4	16905.9	17025.3	17055.2	17036.5	16984.3	16917.1	16853.6	16808.9
-2.5°	16057.4	16401.6	16679.0	16896.8	17019.7	17053.6	17037.6	16987.9	16922.5	16859.8	16814.3
-5°	16019.9	16366.5	16647.9	16869.9	17003.2	17049.0	17040.9	16998.5	16938.4	16877.7	16829.8
-7.5°	15958.0	16308.7	16596.8	16825.6	16976.0	17041.4	17046.3	17015.5	16963.7	16905.6	16853.2
-10°	15872.5	16229.0	16526.5	16764.9	16939.0	17031.1	17053.5	17037.1	16994.0	16942.8	16894.4
-12.5°	15764.4	16128.5	16438.2	16688.9	16882.5	16997.6	17043.9	17046.9	17024.7	16986.5	16942.8
-15°	15628.7	15997.9	16313.6	16574.3	16784.3	16938.2	17027.5	17050.5	17044.7	17024.7	16994.0
-17.5°	15450.1	15835.9	16163.9	16443.6	16668.4	16843.3	16961.4	17030.6	17050.5	17046.9	17037.1
-20°	15249.3	15652.0	15984.2	16270.7	16511.8	16710.7	16863.4	16961.4	17027.5	17043.9	17053.5



REPORT NUMBER: P645594 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	15001.2	15414.0	15770.1	16074.6	16325.1	16534.8	16710.7	16843.3	16938.2	16997.6	17031.1
-25°	14720.3	15151.9	15514.8	15828.8	16100.7	16325.1	16511.8	16668.4	16784.3	16882.5	16939.0
-27.5°	14391.3	14830.6	15222.0	15548.7	15828.8	16074.6	16270.7	16443.6	16574.3	16688.9	16764.9
-30°	14027.9	14472.9	14867.7	15222.0	15514.8	15770.1	15984.2	16163.9	16313.6	16438.2	16526.5
-32.5°	13591.5	14067.7	14472.9	14830.6	15151.9	15414.0	15652.0	15835.9	15997.9	16128.5	16229.0
-35°	13111.2	13591.5	14027.9	14391.3	14720.3	15001.2	15249.3	15450.1	15628.7	15764.4	15872.5
-37.5°	12555.1	13060.6	13501.8	13898.1	14230.0	14528.3	14780.3	14998.0	15190.1	15332.6	15451.2
-40°	11946.8	12456.5	12909.7	13324.3	13672.3	13993.0	14247.5	14477.0	14672.9	14826.5	14954.0
-42.5°	11290.7	11790.3	12251.6	12661.8	13036.5	13363.2	13637.6	13884.6	14085.4	14246.5	14380.2
-45°	10561.7	11065.5	11532.7	11938.6	12317.4	12643.7	12937.4	13201.2	13406.6	13579.2	13722.1
-47.5°	9754.3	10275.6	10732.8	11151.2	11530.5	11854.8	12149.9	12411.1	12625.2	12808.6	12960.3
-50°	8869.7	9398.8	9857.5	10287.6	10659.2	10991.3	11293.1	11550.7	11764.8	11948.0	12099.3
-52.5°	7901.2	8412.6	8892.9	9331.6	9701.0	10040.3	10348.2	10601.4	10819.2	11005.3	11158.8
-55°	6875.6	7368.0	7831.7	8251.4	8635.5	8988.0	9300.6	9552.9	9773.9	9962.6	10118.1
-57.5°	5859.4	6298.9	6716.0	7113.9	7482.3	7819.8	8117.7	8378.2	8606.1	8800.5	8960.7
-60°	4900.4	5246.8	5620.5	5973.0	6298.9	6597.4	6875.6	7123.4	7340.0	7524.7	7676.7
-62.5°	4042.3	4329.1	4624.8	4900.4	5154.9	5406.1	5650.3	5867.7	6057.6	6219.3	6352.4
-65°	3351.0	3571.0	3777.1	3969.0	4148.3	4357.7	4546.7	4714.9	4861.7	4986.6	5089.4
-67.5°	2755.3	2919.3	3073.0	3215.9	3364.8	3509.0	3639.2	3755.0	3855.9	3941.9	4012.5
-70°	2245.7	2360.4	2467.7	2577.3	2693.5	2799.6	2895.2	2980.2	3054.3	3117.4	3169.2
-72.5°	1821.5	1897.4	1973.8	2060.5	2140.4	2213.3	2278.9	2337.3	2388.1	2431.3	2466.8
-75°	1471.2	1530.6	1591.2	1647.5	1699.3	1746.5	1789.1	1826.9	1859.8	1887.8	1910.7
-77.5°	1156.3	1203.7	1248.1	1289.2	1327.1	1361.6	1392.7	1420.3	1444.3	1464.8	1481.5
-80°	826.8	866.4	903.5	937.9	969.5	998.3	1024.3	1047.3	1067.3	1084.3	1098.3
-82.5°	515.2	542.2	567.3	590.7	612.2	631.7	649.3	664.9	678.5	690.1	699.6
-85°	255.1	267.4	279.0	289.6	299.4	308.4	316.4	323.6	329.8	335.0	339.4
-87.5°	76.4	78.7	80.8	82.8	84.6	86.2	87.7	89.0	90.1	91.1	91.9
-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: P645594 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-750-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°	92.5	92.9	93.2	93.3	93.2	92.9	92.5	91.9	91.1	90.1	89.0
85°	342.7	345.2	346.6	347.1	346.6	345.2	342.7	339.4	335.0	329.8	323.6
82.5°	707.0	712.3	715.4	716.5	715.4	712.3	707.0	699.6	690.1	678.5	664.9
80°	1109.2	1117.0	1121.7	1123.3	1121.7	1117.0	1109.2	1098.3	1084.3	1067.3	1047.3
77.5°	1494.6	1504.0	1509.6	1511.5	1509.6	1504.0	1494.6	1481.5	1464.8	1444.3	1420.3
75°	1928.7	1941.5	1949.2	1951.8	1949.2	1941.5	1928.7	1910.7	1887.8	1859.8	1826.9
72.5°	2494.6	2514.4	2526.3	2530.3	2526.3	2514.4	2494.6	2466.8	2431.3	2388.1	2337.3
70°	3209.6	3238.6	3256.0	3261.8	3256.0	3238.6	3209.6	3169.2	3117.4	3054.3	2980.2
67.5°	4067.6	4107.1	4130.9	4138.8	4130.9	4107.1	4067.6	4012.5	3941.9	3855.9	3755.0
65°	5169.7	5227.2	5261.8	5273.3	5261.8	5227.2	5169.7	5089.4	4986.6	4861.7	4714.9
62.5°	6456.4	6530.9	6575.7	6590.7	6575.7	6530.9	6456.4	6352.4	6219.3	6057.6	5867.7
60°	7795.5	7880.7	7932.0	7949.1	7932.0	7880.7	7795.5	7676.7	7524.7	7340.0	7123.4
57.5°	9085.9	9175.8	9229.9	9247.9	9229.9	9175.8	9085.9	8960.7	8800.5	8606.1	8378.2
55°	10239.8	10327.2	10379.7	10397.3	10379.7	10327.2	10239.8	10118.1	9962.6	9773.9	9552.9
52.5°	11279.1	11365.4	11417.4	11434.8	11417.4	11365.4	11279.1	11158.8	11005.3	10819.2	10601.4
50°	12217.9	12303.0	12354.4	12371.5	12354.4	12303.0	12217.9	12099.3	11948.0	11764.8	11550.7
47.5°	13079.3	13164.8	13216.4	13233.6	13216.4	13164.8	13079.3	12960.3	12808.6	12625.2	12411.1
45°	13834.3	13915.0	13963.7	13980.0	13963.7	13915.0	13834.3	13722.1	13579.2	13406.6	13201.2
42.5°	14485.2	14560.9	14606.6	14621.9	14606.6	14560.9	14485.2	14380.2	14246.5	14085.4	13884.6
40°	15054.5	15127.0	15170.8	15185.4	15170.8	15127.0	15054.5	14954.0	14826.5	14672.9	14477.0
37.5°	15544.7	15612.4	15653.2	15666.9	15653.2	15612.4	15544.7	15451.2	15332.6	15190.1	14998.0
35°	15958.0	16019.9	16057.4	16069.9	16057.4	16019.9	15958.0	15872.5	15764.4	15628.7	15450.1
32.5°	16308.7	16366.5	16401.6	16413.3	16401.6	16366.5	16308.7	16229.0	16128.5	15997.9	15835.9
30°	16596.8	16647.9	16679.0	16689.4	16679.0	16647.9	16596.8	16526.5	16438.2	16313.6	16163.9
27.5°	16825.6	16869.9	16896.8	16905.9	16896.8	16869.9	16825.6	16764.9	16688.9	16574.3	16443.6
25°	16976.0	17003.2	17019.7	17025.3	17019.7	17003.2	16976.0	16939.0	16882.5	16784.3	16668.4
22.5°	17041.4	17049.0	17053.6	17055.2	17053.6	17049.0	17041.4	17031.1	16997.6	16938.2	16843.3
20°	17046.3	17040.9	17037.6	17036.5	17037.6	17040.9	17046.3	17053.5	17043.9	17027.5	16961.4
17.5°	17015.5	16998.5	16987.9	16984.3	16987.9	16998.5	17015.5	17037.1	17046.9	17050.5	17030.6
15°	16963.7	16938.4	16922.5	16917.1	16922.5	16938.4	16963.7	16994.0	17024.7	17044.7	17050.5
12.5°	16905.6	16877.7	16859.8	16853.6	16859.8	16877.7	16905.6	16942.8	16986.5	17024.7	17046.9
10°	16853.2	16829.8	16814.3	16808.9	16814.3	16829.8	16853.2	16894.4	16942.8	16994.0	17037.1
7.5°	16819.5	16798.5	16786.9	16782.7	16786.9	16798.5	16819.5	16853.2	16905.6	16963.7	17015.5
5°	16798.5	16777.5	16759.9	16752.9	16759.9	16777.5	16798.5	16829.8	16877.7	16938.4	16998.5
2.5°	16786.9	16759.9	16733.2	16719.3	16733.2	16759.9	16786.9	16814.3	16859.8	16922.5	16987.9
0°	16782.7	16752.9	16719.3	16723.0	16719.3	16752.9	16782.7	16808.9	16853.6	16917.1	16984.3
-2.5°	16786.9	16759.9	16733.2	16719.3	16733.2	16759.9	16786.9	16814.3	16859.8	16922.5	16987.9
-5°	16798.5	16777.5	16759.9	16752.9	16759.9	16777.5	16798.5	16829.8	16877.7	16938.4	16998.5
-7.5°	16819.5	16798.5	16786.9	16782.7	16786.9	16798.5	16819.5	16853.2	16905.6	16963.7	17015.5
-10°	16853.2	16829.8	16814.3	16808.9	16814.3	16829.8	16853.2	16894.4	16942.8	16994.0	17037.1
-12.5°	16905.6	16877.7	16859.8	16853.6	16859.8	16877.7	16905.6	16942.8	16986.5	17024.7	17046.9
-15°	16963.7	16938.4	16922.5	16917.1	16922.5	16938.4	16963.7	16994.0	17024.7	17044.7	17050.5
-17.5°	17015.5	16998.5	16987.9	16984.3	16987.9	16998.5	17015.5	17037.1	17046.9	17050.5	17030.6
-20°	17046.3	17040.9	17037.6	17036.5	17037.6	17040.9	17046.3	17053.5	17043.9	17027.5	16961.4

Classified

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

Scaled Data Report



REPORT NUMBER: P645594 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA6E-750-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°	17041.4	17049.0	17053.6	17055.2	17053.6	17049.0	17041.4	17031.1	16997.6	16938.2	16843.3
-25°	16976.0	17003.2	17019.7	17025.3	17019.7	17003.2	16976.0	16939.0	16882.5	16784.3	16668.4
-27.5°	16825.6	16869.9	16896.8	16905.9	16896.8	16869.9	16825.6	16764.9	16688.9	16574.3	16443.6
-30°	16596.8	16647.9	16679.0	16689.4	16679.0	16647.9	16596.8	16526.5	16438.2	16313.6	16163.9
-32.5°	16308.7	16366.5	16401.6	16413.3	16401.6	16366.5	16308.7	16229.0	16128.5	15997.9	15835.9
-35°	15958.0	16019.9	16057.4	16069.9	16057.4	16019.9	15958.0	15872.5	15764.4	15628.7	15450.1
-37.5°	15544.7	15612.4	15653.2	15666.9	15653.2	15612.4	15544.7	15451.2	15332.6	15190.1	14998.0
-40°	15054.5	15127.0	15170.8	15185.4	15170.8	15127.0	15054.5	14954.0	14826.5	14672.9	14477.0
-42.5°	14485.2	14560.9	14606.6	14621.9	14606.6	14560.9	14485.2	14380.2	14246.5	14085.4	13884.6
-45°	13834.3	13915.0	13963.7	13980.0	13963.7	13915.0	13834.3	13722.1	13579.2	13406.6	13201.2
-47.5°	13079.3	13164.8	13216.4	13233.6	13216.4	13164.8	13079.3	12960.3	12808.6	12625.2	12411.1
-50°	12217.9	12303.0	12354.4	12371.5	12354.4	12303.0	12217.9	12099.3	11948.0	11764.8	11550.7
-52.5°	11279.1	11365.4	11417.4	11434.8	11417.4	11365.4	11279.1	11158.8	11005.3	10819.2	10601.4
-55°	10239.8	10327.2	10379.7	10397.3	10379.7	10327.2	10239.8	10118.1	9962.6	9773.9	9552.9
-57.5°	9085.9	9175.8	9229.9	9247.9	9229.9	9175.8	9085.9	8960.7	8800.5	8606.1	8378.2
-60°	7795.5	7880.7	7932.0	7949.1	7932.0	7880.7	7795.5	7676.7	7524.7	7340.0	7123.4
-62.5°	6456.4	6530.9	6575.7	6590.7	6575.7	6530.9	6456.4	6352.4	6219.3	6057.6	5867.7
-65°	5169.7	5227.2	5261.8	5273.3	5261.8	5227.2	5169.7	5089.4	4986.6	4861.7	4714.9
-67.5°	4067.6	4107.1	4130.9	4138.8	4130.9	4107.1	4067.6	4012.5	3941.9	3855.9	3755.0
-70°	3209.6	3238.6	3256.0	3261.8	3256.0	3238.6	3209.6	3169.2	3117.4	3054.3	2980.2
-72.5°	2494.6	2514.4	2526.3	2530.3	2526.3	2514.4	2494.6	2466.8	2431.3	2388.1	2337.3
-75°	1928.7	1941.5	1949.2	1951.8	1949.2	1941.5	1928.7	1910.7	1887.8	1859.8	1826.9
-77.5°	1494.6	1504.0	1509.6	1511.5	1509.6	1504.0	1494.6	1481.5	1464.8	1444.3	1420.3
-80°	1109.2	1117.0	1121.7	1123.3	1121.7	1117.0	1109.2	1098.3	1084.3	1067.3	1047.3
-82.5°	707.0	712.3	715.4	716.5	715.4	712.3	707.0	699.6	690.1	678.5	664.9
-85°	342.7	345.2	346.6	347.1	346.6	345.2	342.7	339.4	335.0	329.8	323.6
-87.5°	92.5	92.9	93.2	93.3	93.2	92.9	92.5	91.9	91.1	90.1	89.0
-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: P645594 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-750-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°	87.7	86.2	84.6	82.8	80.8	78.7	76.4	74.0	71.5	68.8	66.0
85°	316.4	308.4	299.4	289.6	279.0	267.4	255.1	242.0	228.1	213.5	198.2
82.5°	649.3	631.7	612.2	590.7	567.3	542.2	515.2	486.6	456.2	424.3	390.8
80°	1024.3	998.3	969.5	937.9	903.5	866.4	826.8	784.6	740.0	695.2	650.5
77.5°	1392.7	1361.6	1327.1	1289.2	1248.1	1203.7	1156.3	1105.0	1049.1	990.2	928.6
75°	1789.1	1746.5	1699.3	1647.5	1591.2	1530.6	1471.2	1410.4	1346.2	1278.7	1208.0
72.5°	2278.9	2213.3	2140.4	2060.5	1973.8	1897.4	1821.5	1740.8	1655.6	1565.9	1476.8
70°	2895.2	2799.6	2693.5	2577.3	2467.7	2360.4	2245.7	2124.0	1995.5	1882.3	1774.9
67.5°	3639.2	3509.0	3364.8	3215.9	3073.0	2919.3	2755.3	2581.3	2425.4	2273.0	2113.7
65°	4546.7	4357.7	4148.3	3969.0	3777.1	3571.0	3351.0	3141.8	2936.9	2721.9	2504.3
62.5°	5650.3	5406.1	5154.9	4900.4	4624.8	4329.1	4042.3	3784.3	3512.6	3233.6	2985.8
60°	6875.6	6597.4	6298.9	5973.0	5620.5	5246.8	4900.4	4533.9	4148.3	3834.2	3509.0
57.5°	8117.7	7819.8	7482.3	7113.9	6716.0	6298.9	5859.4	5395.0	4958.0	4518.6	4078.9
55°	9300.6	8988.0	8635.5	8251.4	7831.7	7368.0	6875.6	6363.1	5834.3	5282.2	4786.6
52.5°	10348.2	10040.3	9701.0	9331.6	8892.9	8412.6	7901.2	7340.0	6752.0	6152.5	5535.0
50°	11293.1	10991.3	10659.2	10287.6	9857.5	9398.8	8869.7	8292.5	7676.7	7019.2	6345.1
47.5°	12149.9	11854.8	11530.5	11151.2	10732.8	10275.6	9754.3	9201.4	8553.3	7880.7	7153.7
45°	12937.4	12643.7	12317.4	11938.6	11532.7	11065.5	10561.7	9994.5	9384.8	8687.7	7949.1
42.5°	13637.6	13363.2	13036.5	12661.8	12251.6	11790.3	11290.7	10728.2	10115.7	9444.5	8687.7
40°	14247.5	13993.0	13672.3	13324.3	12909.7	12456.5	11946.8	11404.3	10784.1	10115.7	9384.8
37.5°	14780.3	14528.3	14230.0	13898.1	13501.8	13060.6	12555.1	11999.3	11404.3	10728.2	9994.5
35°	15249.3	15001.2	14720.3	14391.3	14027.9	13591.5	13111.2	12555.1	11946.8	11290.7	10561.7
32.5°	15652.0	15414.0	15151.9	14830.6	14472.9	14067.7	13591.5	13060.6	12456.5	11790.3	11065.5
30°	15984.2	15770.1	15514.8	15222.0	14867.7	14472.9	14027.9	13501.8	12909.7	12251.6	11532.7
27.5°	16270.7	16074.6	15828.8	15548.7	15222.0	14830.6	14391.3	13898.1	13324.3	12661.8	11938.6
25°	16511.8	16325.1	16100.7	15828.8	15514.8	15151.9	14720.3	14230.0	13672.3	13036.5	12317.4
22.5°	16710.7	16534.8	16325.1	16074.6	15770.1	15414.0	15001.2	14528.3	13993.0	13363.2	12643.7
20°	16863.4	16710.7	16511.8	16270.7	15984.2	15652.0	15249.3	14780.3	14247.5	13637.6	12937.4
17.5°	16961.4	16843.3	16668.4	16443.6	16163.9	15835.9	15450.1	14998.0	14477.0	13884.6	13201.2
15°	17027.5	16938.2	16784.3	16574.3	16313.6	15997.9	15628.7	15190.1	14672.9	14085.4	13406.6
12.5°	17043.9	16997.6	16882.5	16688.9	16438.2	16128.5	15764.4	15332.6	14826.5	14246.5	13579.2
10°	17053.5	17031.1	16939.0	16764.9	16526.5	16229.0	15872.5	15451.2	14954.0	14380.2	13722.1
7.5°	17046.3	17041.4	16976.0	16825.6	16596.8	16308.7	15958.0	15544.7	15054.5	14485.2	13834.3
5°	17040.9	17049.0	17003.2	16869.9	16647.9	16366.5	16019.9	15612.4	15127.0	14560.9	13915.0
2.5°	17037.6	17053.6	17019.7	16896.8	16679.0	16401.6	16057.4	15653.2	15170.8	14606.6	13963.7
0°	17036.5	17055.2	17025.3	16905.9	16689.4	16413.3	16069.9	15666.9	15185.4	14621.9	13980.0
-2.5°	17037.6	17053.6	17019.7	16896.8	16679.0	16401.6	16057.4	15653.2	15170.8	14606.6	13963.7
-5°	17040.9	17049.0	17003.2	16869.9	16647.9	16366.5	16019.9	15612.4	15127.0	14560.9	13915.0
-7.5°	17046.3	17041.4	16976.0	16825.6	16596.8	16308.7	15958.0	15544.7	15054.5	14485.2	13834.3
-10°	17053.5	17031.1	16939.0	16764.9	16526.5	16229.0	15872.5	15451.2	14954.0	14380.2	13722.1
-12.5°	17043.9	16997.6	16882.5	16688.9	16438.2	16128.5	15764.4	15332.6	14826.5	14246.5	13579.2
-15°	17027.5	16938.2	16784.3	16574.3	16313.6	15997.9	15628.7	15190.1	14672.9	14085.4	13406.6
-17.5°	16961.4	16843.3	16668.4	16443.6	16163.9	15835.9	15450.1	14998.0	14477.0	13884.6	13201.2
-20°	16863.4	16710.7	16511.8	16270.7	15984.2	15652.0	15249.3	14780.3	14247.5	13637.6	12937.4



REPORT NUMBER: P645594 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16710.7	16534.8	16325.1	16074.6	15770.1	15414.0	15001.2	14528.3	13993.0	13363.2	12643.7
-25°	16511.8	16325.1	16100.7	15828.8	15514.8	15151.9	14720.3	14230.0	13672.3	13036.5	12317.4
-27.5°	16270.7	16074.6	15828.8	15548.7	15222.0	14830.6	14391.3	13898.1	13324.3	12661.8	11938.6
-30°	15984.2	15770.1	15514.8	15222.0	14867.7	14472.9	14027.9	13501.8	12909.7	12251.6	11532.7
-32.5°	15652.0	15414.0	15151.9	14830.6	14472.9	14067.7	13591.5	13060.6	12456.5	11790.3	11065.5
-35°	15249.3	15001.2	14720.3	14391.3	14027.9	13591.5	13111.2	12555.1	11946.8	11290.7	10561.7
-37.5°	14780.3	14528.3	14230.0	13898.1	13501.8	13060.6	12555.1	11999.3	11404.3	10728.2	9994.5
-40°	14247.5	13993.0	13672.3	13324.3	12909.7	12456.5	11946.8	11404.3	10784.1	10115.7	9384.8
-42.5°	13637.6	13363.2	13036.5	12661.8	12251.6	11790.3	11290.7	10728.2	10115.7	9444.5	8687.7
-45°	12937.4	12643.7	12317.4	11938.6	11532.7	11065.5	10561.7	9994.5	9384.8	8687.7	7949.1
-47.5°	12149.9	11854.8	11530.5	11151.2	10732.8	10275.6	9754.3	9201.4	8555.3	7880.7	7153.7
-50°	11293.1	10991.3	10659.2	10287.6	9857.5	9398.8	8869.7	8292.5	7676.7	7019.2	6345.1
-52.5°	10348.2	10040.3	9701.0	9331.6	8892.9	8412.6	7901.2	7340.0	6752.0	6152.5	5535.0
-55°	9300.6	8988.0	8635.5	8251.4	7831.7	7368.0	6875.6	6363.1	5834.3	5282.2	4786.6
-57.5°	8117.7	7819.8	7482.3	7113.9	6716.0	6298.9	5859.4	5395.0	4958.0	4518.6	4078.9
-60°	6875.6	6597.4	6298.9	5973.0	5620.5	5246.8	4900.4	4533.9	4148.3	3834.2	3509.0
-62.5°	5650.3	5406.1	5154.9	4900.4	4624.8	4329.1	4042.3	3784.3	3512.6	3233.6	2985.8
-65°	4546.7	4357.7	4148.3	3969.0	3777.1	3571.0	3351.0	3141.8	2936.9	2721.9	2504.3
-67.5°	3639.2	3509.0	3364.8	3215.9	3073.0	2919.3	2755.3	2581.3	2425.4	2273.0	2113.7
-70°	2895.2	2799.6	2693.5	2577.3	2467.7	2360.4	2245.7	2124.0	1995.5	1882.3	1774.9
-72.5°	2278.9	2213.3	2140.4	2060.5	1973.8	1897.4	1821.5	1740.8	1655.6	1565.9	1476.8
-75°	1789.1	1746.5	1699.3	1647.5	1591.2	1530.6	1471.2	1410.4	1346.2	1278.7	1208.0
-77.5°	1392.7	1361.6	1327.1	1289.2	1248.1	1203.7	1156.3	1105.0	1049.1	990.2	928.6
-80°	1024.3	998.3	969.5	937.9	903.5	866.4	826.8	784.6	740.0	695.2	650.5
-82.5°	649.3	631.7	612.2	590.7	567.3	542.2	515.2	486.6	456.2	424.3	390.8
-85°	316.4	308.4	299.4	289.6	279.0	267.4	255.1	242.0	228.1	213.5	198.2
-87.5°	87.7	86.2	84.6	82.8	80.8	78.7	76.4	74.0	71.5	68.8	66.0
-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: P645594 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-750-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°	63.0	60.0	56.8	53.5	50.1	46.6	43.1	39.4	35.7	31.9	28.0
85°	182.2	165.5	148.3	130.4	112.0	93.2	86.1	78.8	71.3	63.7	56.0
82.5°	355.8	328.1	302.2	275.4	247.8	219.4	190.3	160.5	130.2	99.3	83.9
80°	603.8	555.2	504.9	452.9	399.3	345.2	306.4	266.8	226.3	185.2	143.4
77.5°	864.3	797.4	728.1	662.0	595.1	526.3	455.8	383.8	321.8	270.5	218.3
75°	1134.2	1054.4	971.2	885.3	796.8	707.0	622.5	536.2	448.2	358.7	292.7
72.5°	1390.6	1301.1	1208.4	1112.2	1009.1	903.2	794.8	687.1	584.7	480.6	374.9
70°	1662.9	1546.7	1436.6	1327.2	1214.8	1098.3	974.7	848.4	719.9	600.9	480.6
67.5°	1948.9	1817.9	1682.6	1543.1	1413.0	1283.4	1150.9	1010.6	866.4	719.9	584.7
65°	2319.7	2128.3	1935.7	1780.7	1621.5	1464.8	1317.9	1168.1	1010.6	848.4	687.1
62.5°	2728.4	2476.1	2258.5	2034.6	1840.0	1660.9	1482.1	1317.9	1150.9	974.7	794.8
60°	3186.5	2895.2	2594.9	2337.3	2086.9	1859.8	1660.9	1464.8	1283.4	1098.3	903.2
57.5°	3712.3	3333.5	2996.1	2661.9	2363.6	2086.9	1840.0	1621.5	1413.0	1214.8	1009.1
55°	4274.6	3835.3	3415.0	3029.9	2661.9	2337.3	2034.6	1780.7	1543.1	1327.2	1112.2
52.5°	4948.8	4381.9	3876.4	3415.0	2996.1	2594.9	2258.5	1935.7	1682.6	1436.6	1208.4
50°	5662.3	5003.1	4381.9	3835.3	3333.5	2895.2	2476.1	2128.3	1817.9	1546.7	1301.1
47.5°	6409.7	5662.3	4948.8	4274.6	3712.3	3186.5	2728.4	2319.7	1948.9	1662.9	1390.6
45°	7153.7	6345.1	5535.0	4786.6	4078.9	3509.0	2985.8	2504.3	2113.7	1774.9	1476.8
42.5°	7880.7	7019.2	6152.5	5282.2	4518.6	3834.2	3233.6	2721.9	2273.0	1882.3	1565.9
40°	8555.3	7676.7	6752.0	5834.3	4958.0	4148.3	3512.6	2936.9	2425.4	1995.5	1655.6
37.5°	9201.4	8292.5	7340.0	6363.1	5395.0	4533.9	3784.3	3141.8	2581.3	2124.0	1740.8
35°	9754.3	8869.7	7901.2	6875.6	5859.4	4900.4	4042.3	3351.0	2755.3	2245.7	1821.5
32.5°	10275.6	9398.8	8412.6	7368.0	6298.9	5246.8	4329.1	3571.0	2919.3	2360.4	1897.4
30°	10732.8	9857.5	8892.9	7831.7	6716.0	5620.5	4624.8	3777.1	3073.0	2467.7	1973.8
27.5°	11151.2	10287.6	9331.6	8251.4	7113.9	5973.0	4900.4	3969.0	3215.9	2577.3	2060.5
25°	11530.5	10659.2	9701.0	8635.5	7482.3	6298.9	5154.9	4148.3	3364.8	2693.5	2140.4
22.5°	11854.8	10991.3	10040.3	8988.0	7819.8	6597.4	5406.1	4357.7	3509.0	2799.6	2213.3
20°	12149.9	11293.1	10348.2	9300.6	8117.7	6875.6	5650.3	4546.7	3639.2	2895.2	2278.9
17.5°	12411.1	11550.7	10601.4	9552.9	8378.2	7123.4	5867.7	4714.9	3755.0	2980.2	2337.3
15°	12625.2	11764.8	10819.2	9773.9	8606.1	7340.0	6057.6	4861.7	3855.9	3054.3	2388.1
12.5°	12808.6	11948.0	11005.3	9962.6	8800.5	7524.7	6219.3	4986.6	3941.9	3117.4	2431.3
10°	12960.3	12099.3	11158.8	10118.1	8960.7	7676.7	6352.4	5089.4	4012.5	3169.2	2466.8
7.5°	13079.3	12217.9	11279.1	10239.8	9085.9	7795.5	6456.4	5169.7	4067.6	3209.6	2494.6
5°	13164.8	12303.0	11365.4	10327.2	9175.8	7880.7	6530.9	5227.2	4107.1	3238.6	2514.4
2.5°	13216.4	12354.4	11417.4	10379.7	9229.9	7932.0	6575.7	5261.8	4130.9	3256.0	2526.3
0°	13233.6	12371.5	11434.8	10397.3	9247.9	7949.1	6590.7	5273.3	4138.8	3261.8	2530.3
-2.5°	13216.4	12354.4	11417.4	10379.7	9229.9	7932.0	6575.7	5261.8	4130.9	3256.0	2526.3
-5°	13164.8	12303.0	11365.4	10327.2	9175.8	7880.7	6530.9	5227.2	4107.1	3238.6	2514.4
-7.5°	13079.3	12217.9	11279.1	10239.8	9085.9	7795.5	6456.4	5169.7	4067.6	3209.6	2494.6
-10°	12960.3	12099.3	11158.8	10118.1	8960.7	7676.7	6352.4	5089.4	4012.5	3169.2	2466.8
-12.5°	12808.6	11948.0	11005.3	9962.6	8800.5	7524.7	6219.3	4986.6	3941.9	3117.4	2431.3
-15°	12625.2	11764.8	10819.2	9773.9	8606.1	7340.0	6057.6	4861.7	3855.9	3054.3	2388.1
-17.5°	12411.1	11550.7	10601.4	9552.9	8378.2	7123.4	5867.7	4714.9	3755.0	2980.2	2337.3
-20°	12149.9	11293.1	10348.2	9300.6	8117.7	6875.6	5650.3	4546.7	3639.2	2895.2	2278.9



REPORT NUMBER: P645594 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-750-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°	11854.8	10991.3	10040.3	8988.0	7819.8	6597.4	5406.1	4357.7	3509.0	2799.6	2213.3
-25°	11530.5	10659.2	9701.0	8635.5	7482.3	6298.9	5154.9	4148.3	3364.8	2693.5	2140.4
-27.5°	11151.2	10287.6	9331.6	8251.4	7113.9	5973.0	4900.4	3969.0	3215.9	2577.3	2060.5
-30°	10732.8	9857.5	8892.9	7831.7	6716.0	5620.5	4624.8	3777.1	3073.0	2467.7	1973.8
-32.5°	10275.6	9398.8	8412.6	7368.0	6298.9	5246.8	4329.1	3571.0	2919.3	2360.4	1897.4
-35°	9754.3	8869.7	7901.2	6875.6	5859.4	4900.4	4042.3	3351.0	2755.3	2245.7	1821.5
-37.5°	9201.4	8292.5	7340.0	6363.1	5395.0	4533.9	3784.3	3141.8	2581.3	2124.0	1740.8
-40°	8555.3	7676.7	6752.0	5834.3	4958.0	4148.3	3512.6	2936.9	2425.4	1995.5	1655.6
-42.5°	7880.7	7019.2	6152.5	5282.2	4518.6	3834.2	3233.6	2721.9	2273.0	1882.3	1565.9
-45°	7153.7	6345.1	5535.0	4786.6	4078.9	3509.0	2985.8	2504.3	2113.7	1774.9	1476.8
-47.5°	6409.7	5662.3	4948.8	4274.6	3712.3	3186.5	2728.4	2319.7	1948.9	1662.9	1390.6
-50°	5662.3	5003.1	4381.9	3835.3	3333.5	2895.2	2476.1	2128.3	1817.9	1546.7	1301.1
-52.5°	4948.8	4381.9	3876.4	3415.0	2996.1	2594.9	2258.5	1935.7	1682.6	1436.6	1208.4
-55°	4274.6	3835.3	3415.0	3029.9	2661.9	2337.3	2034.6	1780.7	1543.1	1327.2	1112.2
-57.5°	3712.3	3333.5	2996.1	2661.9	2363.6	2086.9	1840.0	1621.5	1413.0	1214.8	1009.1
-60°	3186.5	2895.2	2594.9	2337.3	2086.9	1859.8	1660.9	1464.8	1283.4	1098.3	903.2
-62.5°	2728.4	2476.1	2258.5	2034.6	1840.0	1660.9	1482.1	1317.9	1150.9	974.7	794.8
-65°	2319.7	2128.3	1935.7	1780.7	1621.5	1464.8	1317.9	1168.1	1010.6	848.4	687.1
-67.5°	1948.9	1817.9	1682.6	1543.1	1413.0	1283.4	1150.9	1010.6	866.4	719.9	584.7
-70°	1662.9	1546.7	1436.6	1327.2	1214.8	1098.3	974.7	848.4	719.9	600.9	480.6
-72.5°	1390.6	1301.1	1208.4	1112.2	1009.1	903.2	794.8	687.1	584.7	480.6	374.9
-75°	1134.2	1054.4	971.2	885.3	796.8	707.0	622.5	536.2	448.2	358.7	292.7
-77.5°	864.3	797.4	728.1	662.0	595.1	526.3	455.8	383.8	321.8	270.5	218.3
-80°	603.8	555.2	504.9	452.9	399.3	345.2	306.4	266.8	226.3	185.2	143.4
-82.5°	355.8	328.1	302.2	275.4	247.8	219.4	190.3	160.5	130.2	99.3	83.9
-85°	182.2	165.5	148.3	130.4	112.0	93.2	86.1	78.8	71.3	63.7	56.0
-87.5°	63.0	60.0	56.8	53.5	50.1	46.6	43.1	39.4	35.7	31.9	28.0
-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: P645594 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA6E-750-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°	24.1	20.2	16.2	12.2	8.1	4.1	0.0
85°	48.2	40.3	32.4	24.3	16.2	8.1	0.0
82.5°	72.3	60.4	48.5	36.4	24.3	12.2	0.0
80°	101.0	80.4	64.5	48.5	32.4	16.2	0.0
77.5°	165.5	112.1	80.4	60.4	40.3	20.2	0.0
75°	229.4	165.5	101.0	72.3	48.2	24.1	0.0
72.5°	292.7	218.3	143.4	83.9	56.0	28.0	0.0
70°	358.7	270.5	185.2	99.3	63.7	31.9	0.0
67.5°	448.2	321.8	226.3	130.2	71.3	35.7	0.0
65°	536.2	383.8	266.8	160.5	78.8	39.4	0.0
62.5°	622.5	455.8	306.4	190.3	86.1	43.1	0.0
60°	707.0	526.3	345.2	219.4	93.2	46.6	0.0
57.5°	796.8	595.1	399.3	247.8	112.0	50.1	0.0
55°	885.3	662.0	452.9	275.4	130.4	53.5	0.0
52.5°	971.2	728.1	504.9	302.2	148.3	56.8	0.0
50°	1054.4	797.4	555.2	328.1	165.5	60.0	0.0
47.5°	1134.2	864.3	603.8	355.8	182.2	63.0	0.0
45°	1208.0	928.6	650.5	390.8	198.2	66.0	0.0
42.5°	1278.7	990.2	695.2	424.3	213.5	68.8	0.0
40°	1346.2	1049.1	740.0	456.2	228.1	71.5	0.0
37.5°	1410.4	1105.0	784.6	486.6	242.0	74.0	0.0
35°	1471.2	1156.3	826.8	515.2	255.1	76.4	0.0
32.5°	1530.6	1203.7	866.4	542.2	267.4	78.7	0.0
30°	1591.2	1248.1	903.5	567.3	279.0	80.8	0.0
27.5°	1647.5	1289.2	937.9	590.7	289.6	82.8	0.0
25°	1699.3	1327.1	969.5	612.2	299.4	84.6	0.0
22.5°	1746.5	1361.6	998.3	631.7	308.4	86.2	0.0
20°	1789.1	1392.7	1024.3	649.3	316.4	87.7	0.0
17.5°	1826.9	1420.3	1047.3	664.9	323.6	89.0	0.0
15°	1859.8	1444.3	1067.3	678.5	329.8	90.1	0.0
12.5°	1887.8	1464.8	1084.3	690.1	335.0	91.1	0.0
10°	1910.7	1481.5	1098.3	699.6	339.4	91.9	0.0
7.5°	1928.7	1494.6	1109.2	707.0	342.7	92.5	0.0
5°	1941.5	1504.0	1117.0	712.3	345.2	92.9	0.0
2.5°	1949.2	1509.6	1121.7	715.4	346.6	93.2	0.0
0°	1951.8	1511.5	1123.3	716.5	347.1	93.3	0.0
-2.5°	1949.2	1509.6	1121.7	715.4	346.6	93.2	0.0
-5°	1941.5	1504.0	1117.0	712.3	345.2	92.9	0.0
-7.5°	1928.7	1494.6	1109.2	707.0	342.7	92.5	0.0
-10°	1910.7	1481.5	1098.3	699.6	339.4	91.9	0.0
-12.5°	1887.8	1464.8	1084.3	690.1	335.0	91.1	0.0
-15°	1859.8	1444.3	1067.3	678.5	329.8	90.1	0.0
-17.5°	1826.9	1420.3	1047.3	664.9	323.6	89.0	0.0
-20°	1789.1	1392.7	1024.3	649.3	316.4	87.7	0.0

Classified

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Scaled Data Report



REPORT NUMBER: P645594 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA6E-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1746.5	1361.6	998.3	631.7	308.4	86.2	0.0
-25°	1699.3	1327.1	969.5	612.2	299.4	84.6	0.0
-27.5°	1647.5	1289.2	937.9	590.7	289.6	82.8	0.0
-30°	1591.2	1248.1	903.5	567.3	279.0	80.8	0.0
-32.5°	1530.6	1203.7	866.4	542.2	267.4	78.7	0.0
-35°	1471.2	1156.3	826.8	515.2	255.1	76.4	0.0
-37.5°	1410.4	1105.0	784.6	486.6	242.0	74.0	0.0
-40°	1346.2	1049.1	740.0	456.2	228.1	71.5	0.0
-42.5°	1278.7	990.2	695.2	424.3	213.5	68.8	0.0
-45°	1208.0	928.6	650.5	390.8	198.2	66.0	0.0
-47.5°	1134.2	864.3	603.8	355.8	182.2	63.0	0.0
-50°	1054.4	797.4	555.2	328.1	165.5	60.0	0.0
-52.5°	971.2	728.1	504.9	302.2	148.3	56.8	0.0
-55°	885.3	662.0	452.9	275.4	130.4	53.5	0.0
-57.5°	796.8	595.1	399.3	247.8	112.0	50.1	0.0
-60°	707.0	526.3	345.2	219.4	93.2	46.6	0.0
-62.5°	622.5	455.8	306.4	190.3	86.1	43.1	0.0
-65°	536.2	383.8	266.8	160.5	78.8	39.4	0.0
-67.5°	448.2	321.8	226.3	130.2	71.3	35.7	0.0
-70°	358.7	270.5	185.2	99.3	63.7	31.9	0.0
-72.5°	292.7	218.3	143.4	83.9	56.0	28.0	0.0
-75°	229.4	165.5	101.0	72.3	48.2	24.1	0.0
-77.5°	165.5	112.1	80.4	60.4	40.3	20.2	0.0
-80°	101.0	80.4	64.5	48.5	32.4	16.2	0.0
-82.5°	72.3	60.4	48.5	36.4	24.3	12.2	0.0
-85°	48.2	40.3	32.4	24.3	16.2	8.1	0.0
-87.5°	24.1	20.2	16.2	12.2	8.1	4.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)