

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: P645456 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4B-730-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645456 (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-SA4B-730-U-LAM-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQUARE, LAMBERTIAN  
Light Source: (64) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

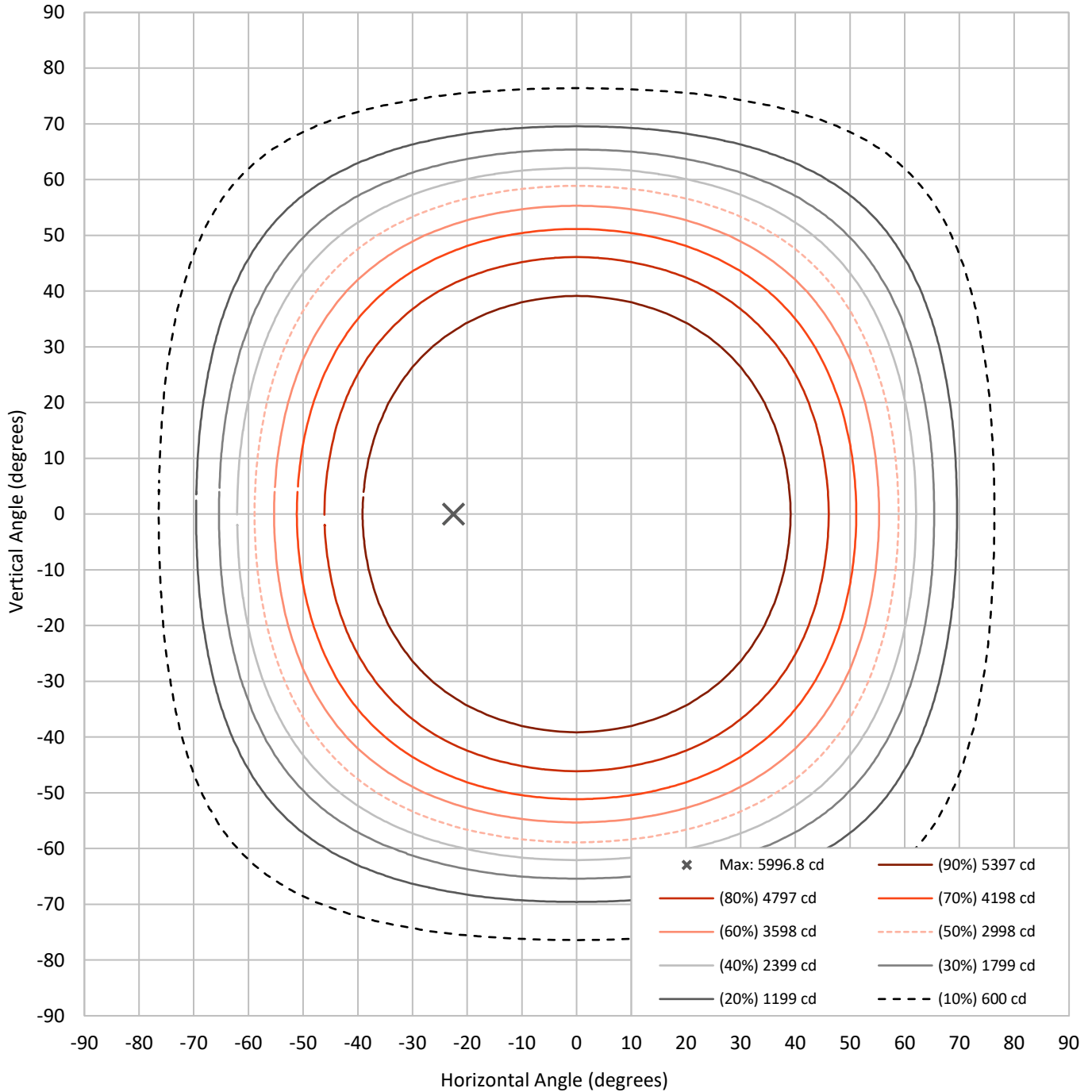
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	18344.4 lumens	Max Intensity:	5996.8 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	141.7 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	15266.6 lumens	Field Lumens:	17983.7 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	129.5		
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		



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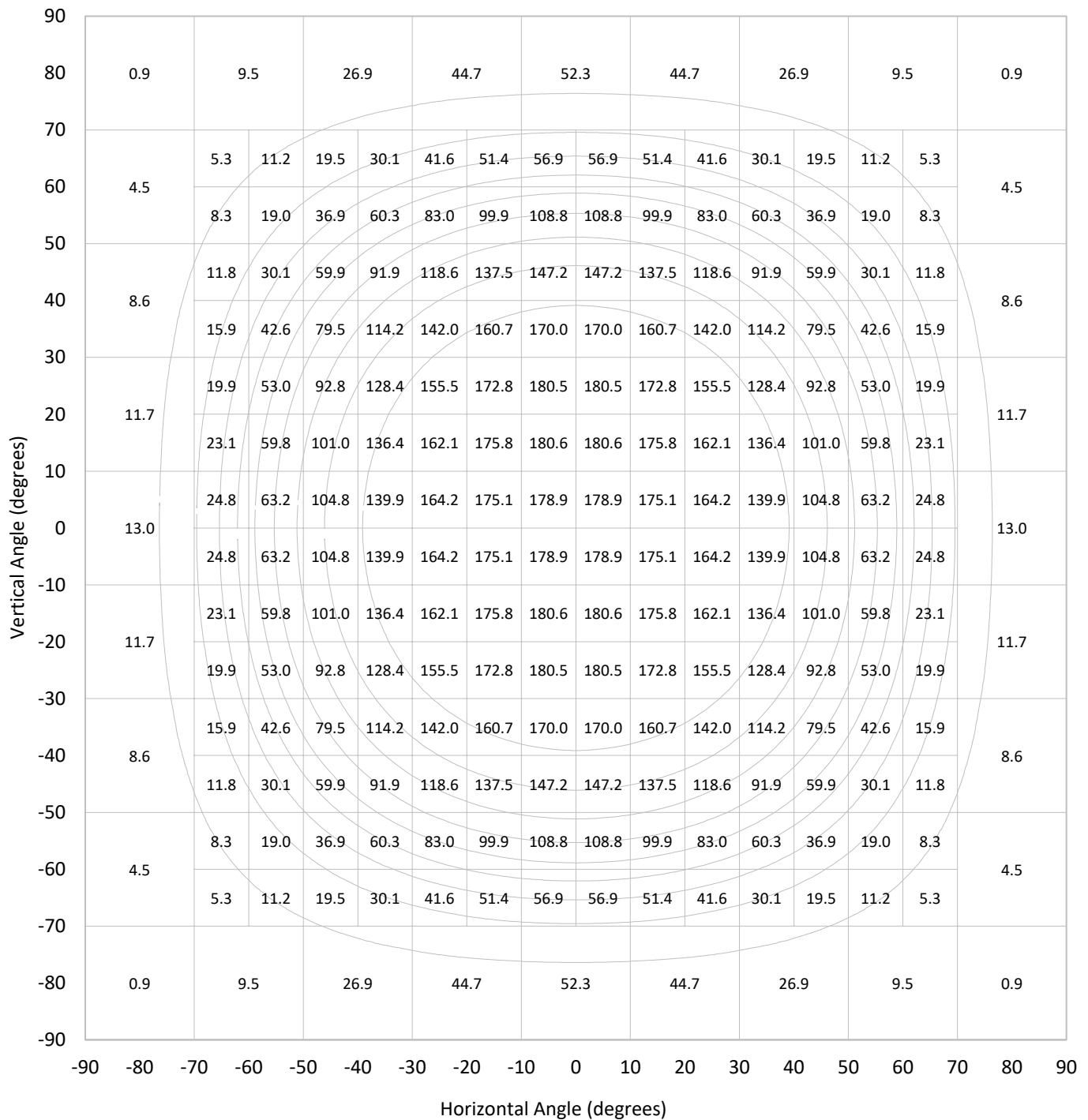
### Iso-Candela Plot





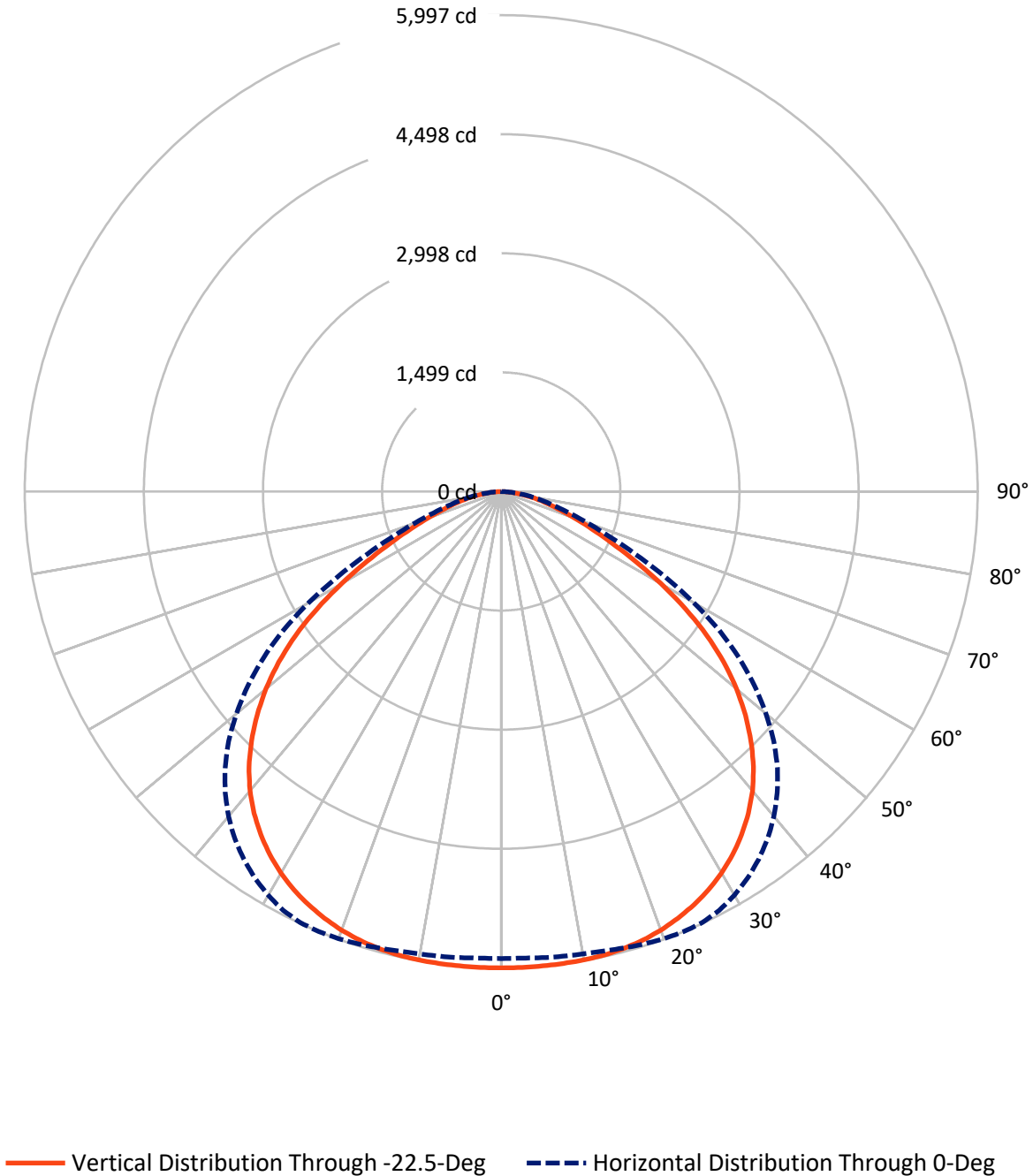
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### Lumen Table



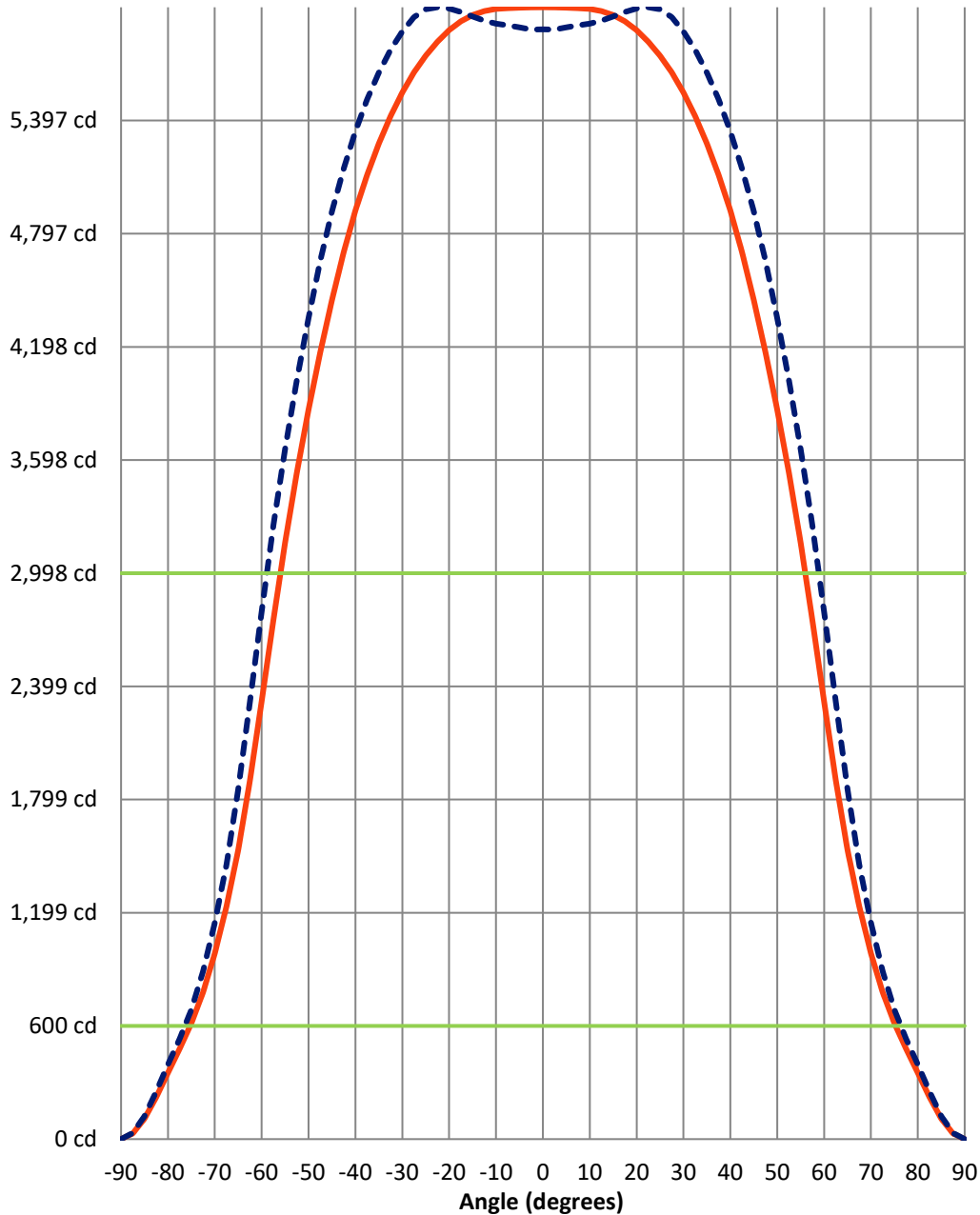
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 15266.6  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 17983.7  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 360.8  
 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	1.4	2.9	4.3	5.7	7.1	8.5	9.9	11.2	12.5	13.9
85°	0.0	2.9	5.7	8.6	11.4	14.2	17.0	19.7	22.4	25.1	27.7
82.5°	0.0	4.3	8.6	12.8	17.0	21.2	25.4	29.5	34.9	45.8	56.4
80°	0.0	5.7	11.4	17.0	22.7	28.3	35.5	50.4	65.1	79.5	93.8
77.5°	0.0	7.1	14.2	21.2	28.3	39.4	58.2	76.7	95.1	113.1	134.9
75°	0.0	8.5	17.0	25.4	35.5	58.2	80.6	102.9	126.1	157.6	188.5
72.5°	0.0	9.9	19.7	29.5	50.4	76.7	102.9	131.8	168.9	205.5	241.6
70°	0.0	11.2	22.4	34.9	65.1	95.1	126.1	168.9	211.3	253.1	298.3
67.5°	0.0	12.5	25.1	45.8	79.5	113.1	157.6	205.5	253.1	304.6	355.3
65°	0.0	13.9	27.7	56.4	93.8	134.9	188.5	241.6	298.3	355.3	410.7
62.5°	0.0	15.1	30.3	66.9	107.7	160.2	218.8	279.5	342.7	404.7	463.4
60°	0.0	16.4	32.8	77.1	121.3	185.0	248.5	317.6	386.2	451.3	515.0
57.5°	0.0	17.6	39.4	87.1	140.4	209.2	280.2	354.8	427.2	496.8	570.1
55°	0.0	18.8	45.8	96.8	159.2	232.7	311.3	391.1	466.7	542.5	626.1
52.5°	0.0	20.0	52.1	106.2	177.5	256.0	341.5	424.9	505.1	591.6	680.6
50°	0.0	21.1	58.2	115.3	195.2	280.4	370.8	457.5	543.8	639.2	748.4
47.5°	0.0	22.2	64.0	125.1	212.3	303.9	398.8	488.9	584.7	685.3	815.6
45°	0.0	23.2	69.7	137.4	228.7	326.5	424.8	519.2	624.1	743.2	880.6
42.5°	0.0	24.2	75.1	149.1	244.4	348.2	449.6	550.6	661.9	799.2	957.1
40°	0.0	25.1	80.2	160.4	260.2	368.9	473.3	582.1	701.7	852.8	1032.7
37.5°	0.0	26.0	85.1	171.0	275.9	388.6	495.9	612.1	746.8	907.6	1104.7
35°	0.0	26.9	89.7	181.1	290.7	406.6	517.2	640.5	789.6	968.8	1178.3
32.5°	0.0	27.7	94.0	190.6	304.6	423.3	538.1	667.2	829.9	1026.5	1255.6
30°	0.0	28.4	98.0	199.4	317.7	438.8	559.4	694.0	867.7	1080.5	1328.1
27.5°	0.0	29.1	101.8	207.7	329.8	453.3	579.2	724.5	906.2	1130.8	1395.5
25°	0.0	29.7	105.2	215.2	340.9	466.6	597.5	752.6	947.1	1183.1	1458.6
22.5°	0.0	30.3	108.4	222.1	351.0	478.7	614.1	778.2	984.4	1233.8	1532.2
20°	0.0	30.8	111.2	228.3	360.2	489.7	629.1	801.3	1018.0	1279.6	1598.6
17.5°	0.0	31.3	113.7	233.8	368.3	499.4	642.3	821.8	1047.9	1320.3	1657.8
15°	0.0	31.7	115.9	238.5	375.3	507.8	653.9	839.7	1074.0	1355.8	1709.4
12.5°	0.0	32.0	117.8	242.6	381.3	515.0	663.8	854.9	1096.1	1386.0	1753.3
10°	0.0	32.3	119.3	245.9	386.2	520.9	671.9	867.4	1114.3	1410.8	1789.4
7.5°	0.0	32.5	120.5	248.5	390.1	525.5	678.2	877.1	1128.6	1430.2	1817.7
5°	0.0	32.7	121.3	250.4	392.8	528.8	682.7	884.1	1138.7	1444.1	1837.9
2.5°	0.0	32.8	121.8	251.5	394.4	530.7	685.4	888.3	1144.9	1452.4	1850.0
0°	0.0	32.8	122.0	251.9	395.0	531.4	686.3	889.7	1146.9	1455.2	1854.1
-2.5°	0.0	32.8	121.8	251.5	394.4	530.7	685.4	888.3	1144.9	1452.4	1850.0
-5°	0.0	32.7	121.3	250.4	392.8	528.8	682.7	884.1	1138.7	1444.1	1837.9
-7.5°	0.0	32.5	120.5	248.5	390.1	525.5	678.2	877.1	1128.6	1430.2	1817.7
-10°	0.0	32.3	119.3	245.9	386.2	520.9	671.9	867.4	1114.3	1410.8	1789.4
-12.5°	0.0	32.0	117.8	242.6	381.3	515.0	663.8	854.9	1096.1	1386.0	1753.3
-15°	0.0	31.7	115.9	238.5	375.3	507.8	653.9	839.7	1074.0	1355.8	1709.4
-17.5°	0.0	31.3	113.7	233.8	368.3	499.4	642.3	821.8	1047.9	1320.3	1657.8
-20°	0.0	30.8	111.2	228.3	360.2	489.7	629.1	801.3	1018.0	1279.6	1598.6

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Scaled Data Report



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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	30.3	108.4	222.1	351.0	478.7	614.1	778.2	984.4	1233.8	1532.2
-25°	0.0	29.7	105.2	215.2	340.9	466.6	597.5	752.6	947.1	1183.1	1458.6
-27.5°	0.0	29.1	101.8	207.7	329.8	453.3	579.2	724.5	906.2	1130.8	1395.5
-30°	0.0	28.4	98.0	199.4	317.7	438.8	559.4	694.0	867.7	1080.5	1328.1
-32.5°	0.0	27.7	94.0	190.6	304.6	423.3	538.1	667.2	829.9	1026.5	1255.6
-35°	0.0	26.9	89.7	181.1	290.7	406.6	517.2	640.5	789.6	968.8	1178.3
-37.5°	0.0	26.0	85.1	171.0	275.9	388.6	495.9	612.1	746.8	907.6	1104.7
-40°	0.0	25.1	80.2	160.4	260.2	368.9	473.3	582.1	701.7	852.8	1032.7
-42.5°	0.0	24.2	75.1	149.1	244.4	348.2	449.6	550.6	661.9	799.2	957.1
-45°	0.0	23.2	69.7	137.4	228.7	326.5	424.8	519.2	624.1	743.2	880.6
-47.5°	0.0	22.2	64.0	125.1	212.3	303.9	398.8	488.9	584.7	685.3	815.6
-50°	0.0	21.1	58.2	115.3	195.2	280.4	370.8	457.5	543.8	639.2	748.4
-52.5°	0.0	20.0	52.1	106.2	177.5	256.0	341.5	424.9	505.1	591.6	680.6
-55°	0.0	18.8	45.8	96.8	159.2	232.7	311.3	391.1	466.7	542.5	626.1
-57.5°	0.0	17.6	39.4	87.1	140.4	209.2	280.2	354.8	427.2	496.8	570.1
-60°	0.0	16.4	32.8	77.1	121.3	185.0	248.5	317.6	386.2	451.3	515.0
-62.5°	0.0	15.1	30.3	66.9	107.7	160.2	218.8	279.5	342.7	404.7	463.4
-65°	0.0	13.9	27.7	56.4	93.8	134.9	188.5	241.6	298.3	355.3	410.7
-67.5°	0.0	12.5	25.1	45.8	79.5	113.1	157.6	205.5	253.1	304.6	355.3
-70°	0.0	11.2	22.4	34.9	65.1	95.1	126.1	168.9	211.3	253.1	298.3
-72.5°	0.0	9.9	19.7	29.5	50.4	76.7	102.9	131.8	168.9	205.5	241.6
-75°	0.0	8.5	17.0	25.4	35.5	58.2	80.6	102.9	126.1	157.6	188.5
-77.5°	0.0	7.1	14.2	21.2	28.3	39.4	58.2	76.7	95.1	113.1	134.9
-80°	0.0	5.7	11.4	17.0	22.7	28.3	35.5	50.4	65.1	79.5	93.8
-82.5°	0.0	4.3	8.6	12.8	17.0	21.2	25.4	29.5	34.9	45.8	56.4
-85°	0.0	2.9	5.7	8.6	11.4	14.2	17.0	19.7	22.4	25.1	27.7
-87.5°	0.0	1.4	2.9	4.3	5.7	7.1	8.5	9.9	11.2	12.5	13.9
-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: P645456 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-730-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°	15.1	16.4	17.6	18.8	20.0	21.1	22.2	23.2	24.2	25.1	26.0
85°	30.3	32.8	39.4	45.8	52.1	58.2	64.0	69.7	75.1	80.2	85.1
82.5°	66.9	77.1	87.1	96.8	106.2	115.3	125.1	137.4	149.1	160.4	171.0
80°	107.7	121.3	140.4	159.2	177.5	195.2	212.3	228.7	244.4	260.2	275.9
77.5°	160.2	185.0	209.2	232.7	256.0	280.4	303.9	326.5	348.2	368.9	388.6
75°	218.8	248.5	280.2	311.3	341.5	370.8	398.8	424.8	449.6	473.3	495.9
72.5°	279.5	317.6	354.8	391.1	424.9	457.5	488.9	519.2	550.6	582.1	612.1
70°	342.7	386.2	427.2	466.7	505.1	543.8	584.7	624.1	661.9	701.7	746.8
67.5°	404.7	451.3	496.8	542.5	591.6	639.2	685.3	743.2	799.2	852.8	907.6
65°	463.4	515.0	570.1	626.1	680.6	748.4	815.6	880.6	957.1	1032.7	1104.7
62.5°	521.1	584.0	647.0	715.4	794.1	870.7	959.3	1049.9	1137.0	1235.1	1330.6
60°	584.0	653.9	733.8	821.8	912.4	1018.0	1120.4	1233.8	1348.1	1458.6	1594.1
57.5°	647.0	733.8	831.1	936.0	1053.5	1172.1	1305.3	1434.1	1588.8	1743.2	1896.9
55°	715.4	821.8	936.0	1065.4	1200.7	1348.5	1502.9	1683.0	1857.2	2051.4	2237.3
52.5°	794.1	912.4	1053.5	1200.7	1363.0	1540.7	1740.0	1946.1	2163.2	2374.0	2580.8
50°	870.7	1018.0	1172.1	1348.5	1540.7	1759.1	1990.9	2231.0	2468.0	2699.2	2915.7
47.5°	959.3	1120.4	1305.3	1502.9	1740.0	1990.9	2253.7	2515.3	2771.0	3008.1	3235.3
45°	1049.9	1233.8	1434.1	1683.0	1946.1	2231.0	2515.3	2795.0	3054.7	3299.7	3514.2
42.5°	1137.0	1348.1	1588.8	1857.2	2163.2	2468.0	2771.0	3054.7	3320.7	3556.8	3772.2
40°	1235.1	1458.6	1743.2	2051.4	2374.0	2699.2	3008.1	3299.7	3556.8	3791.8	4009.9
37.5°	1330.6	1594.1	1896.9	2237.3	2580.8	2915.7	3235.3	3514.2	3772.2	4009.9	4219.0
35°	1421.3	1723.0	2060.2	2417.5	2778.2	3118.6	3429.7	3713.6	3969.9	4200.6	4414.5
32.5°	1522.1	1844.8	2214.7	2590.7	2957.9	3304.7	3613.0	3890.8	4145.6	4379.8	4592.2
30°	1626.1	1976.2	2361.4	2753.7	3126.8	3466.0	3773.8	4055.0	4307.8	4539.2	4747.4
27.5°	1723.0	2100.1	2501.3	2901.3	3281.0	3617.2	3920.9	4197.7	4452.0	4685.0	4886.7
25°	1812.5	2214.7	2630.8	3036.3	3410.9	3747.9	4054.2	4330.9	4583.8	4807.3	5003.4
22.5°	1900.8	2319.7	2749.5	3160.2	3530.3	3864.7	4168.2	4445.6	4698.7	4920.1	5108.3
20°	1986.7	2417.5	2854.3	3270.1	3638.5	3970.8	4272.0	4548.9	4795.1	5009.6	5196.9
17.5°	2063.1	2504.6	2945.9	3358.9	3727.6	4061.4	4363.8	4641.7	4882.0	5090.3	5273.4
15°	2129.9	2580.8	3026.0	3436.6	3804.1	4136.6	4439.1	4713.9	4952.6	5159.1	5341.0
12.5°	2186.7	2645.8	3094.3	3502.9	3869.6	4201.0	4503.6	4774.6	5009.2	5213.1	5391.0
10°	2233.5	2699.2	3150.6	3557.6	3923.6	4254.2	4557.0	4824.8	5056.2	5258.0	5432.7
7.5°	2270.1	2741.0	3194.7	3600.4	3965.9	4295.9	4598.8	4864.3	5093.1	5293.3	5465.6
5°	2296.3	2771.0	3226.3	3631.1	3996.2	4325.8	4628.9	4892.7	5119.8	5318.8	5489.4
2.5°	2312.0	2789.0	3245.3	3649.6	4014.5	4343.9	4647.0	4909.8	5135.8	5334.2	5503.8
0°	2317.3	2795.0	3251.6	3655.8	4020.6	4349.9	4653.1	4915.5	5141.2	5339.3	5508.6
-2.5°	2312.0	2789.0	3245.3	3649.6	4014.5	4343.9	4647.0	4909.8	5135.8	5334.2	5503.8
-5°	2296.3	2771.0	3226.3	3631.1	3996.2	4325.8	4628.9	4892.7	5119.8	5318.8	5489.4
-7.5°	2270.1	2741.0	3194.7	3600.4	3965.9	4295.9	4598.8	4864.3	5093.1	5293.3	5465.6
-10°	2233.5	2699.2	3150.6	3557.6	3923.6	4254.2	4557.0	4824.8	5056.2	5258.0	5432.7
-12.5°	2186.7	2645.8	3094.3	3502.9	3869.6	4201.0	4503.6	4774.6	5009.2	5213.1	5391.0
-15°	2129.9	2580.8	3026.0	3436.6	3804.1	4136.6	4439.1	4713.9	4952.6	5159.1	5341.0
-17.5°	2063.1	2504.6	2945.9	3358.9	3727.6	4061.4	4363.8	4641.7	4882.0	5090.3	5273.4
-20°	1986.7	2417.5	2854.3	3270.1	3638.5	3970.8	4272.0	4548.9	4795.1	5009.6	5196.9



REPORT NUMBER: P645456 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-730-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°	1900.8	2319.7	2749.5	3160.2	3530.3	3864.7	4168.2	4445.6	4698.7	4920.1	5108.3
-25°	1812.5	2214.7	2630.8	3036.3	3410.9	3747.9	4054.2	4330.9	4583.8	4807.3	5003.4
-27.5°	1723.0	2100.1	2501.3	2901.3	3281.0	3617.2	3920.9	4197.7	4452.0	4685.0	4886.7
-30°	1626.1	1976.2	2361.4	2753.7	3126.8	3466.0	3773.8	4055.0	4307.8	4539.2	4747.4
-32.5°	1522.1	1844.8	2214.7	2590.7	2957.9	3304.7	3613.0	3890.8	4145.6	4379.8	4592.2
-35°	1421.3	1723.0	2060.2	2417.5	2778.2	3118.6	3429.7	3713.6	3969.9	4200.6	4414.5
-37.5°	1330.6	1594.1	1896.9	2237.3	2580.8	2915.7	3235.3	3514.2	3772.2	4009.9	4219.0
-40°	1235.1	1458.6	1743.2	2051.4	2374.0	2699.2	3008.1	3299.7	3556.8	3791.8	4009.9
-42.5°	1137.0	1348.1	1588.8	1857.2	2163.2	2468.0	2771.0	3054.7	3320.7	3556.8	3772.2
-45°	1049.9	1233.8	1434.1	1683.0	1946.1	2231.0	2515.3	2795.0	3054.7	3299.7	3514.2
-47.5°	959.3	1120.4	1305.3	1502.9	1740.0	1990.9	2253.7	2515.3	2771.0	3008.1	3235.3
-50°	870.7	1018.0	1172.1	1348.5	1540.7	1759.1	1990.9	2231.0	2468.0	2699.2	2915.7
-52.5°	794.1	912.4	1053.5	1200.7	1363.0	1540.7	1740.0	1946.1	2163.2	2374.0	2580.8
-55°	715.4	821.8	936.0	1065.4	1200.7	1348.5	1502.9	1683.0	1857.2	2051.4	2237.3
-57.5°	647.0	733.8	831.1	936.0	1053.5	1172.1	1305.3	1434.1	1588.8	1743.2	1896.9
-60°	584.0	653.9	733.8	821.8	912.4	1018.0	1120.4	1233.8	1348.1	1458.6	1594.1
-62.5°	521.1	584.0	647.0	715.4	794.1	870.7	959.3	1049.9	1137.0	1235.1	1330.6
-65°	463.4	515.0	570.1	626.1	680.6	748.4	815.6	880.6	957.1	1032.7	1104.7
-67.5°	404.7	451.3	496.8	542.5	591.6	639.2	685.3	743.2	799.2	852.8	907.6
-70°	342.7	386.2	427.2	466.7	505.1	543.8	584.7	624.1	661.9	701.7	746.8
-72.5°	279.5	317.6	354.8	391.1	424.9	457.5	488.9	519.2	550.6	582.1	612.1
-75°	218.8	248.5	280.2	311.3	341.5	370.8	398.8	424.8	449.6	473.3	495.9
-77.5°	160.2	185.0	209.2	232.7	256.0	280.4	303.9	326.5	348.2	368.9	388.6
-80°	107.7	121.3	140.4	159.2	177.5	195.2	212.3	228.7	244.4	260.2	275.9
-82.5°	66.9	77.1	87.1	96.8	106.2	115.3	125.1	137.4	149.1	160.4	171.0
-85°	30.3	32.8	39.4	45.8	52.1	58.2	64.0	69.7	75.1	80.2	85.1
-87.5°	15.1	16.4	17.6	18.8	20.0	21.1	22.2	23.2	24.2	25.1	26.0
-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: P645456 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-730-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°	26.9	27.7	28.4	29.1	29.7	30.3	30.8	31.3	31.7	32.0	32.3
85°	89.7	94.0	98.0	101.8	105.2	108.4	111.2	113.7	115.9	117.8	119.3
82.5°	181.1	190.6	199.4	207.7	215.2	222.1	228.3	233.8	238.5	242.6	245.9
80°	290.7	304.6	317.7	329.8	340.9	351.0	360.2	368.3	375.3	381.3	386.2
77.5°	406.6	423.3	438.8	453.3	466.6	478.7	489.7	499.4	507.8	515.0	520.9
75°	517.2	538.1	559.4	579.2	597.5	614.1	629.1	642.3	653.9	663.8	671.9
72.5°	640.5	667.2	694.0	724.5	752.6	778.2	801.3	821.8	839.7	854.9	867.4
70°	789.6	829.9	867.7	906.2	947.1	984.4	1018.0	1047.9	1074.0	1096.1	1114.3
67.5°	968.8	1026.5	1080.5	1130.8	1183.1	1233.8	1279.6	1320.3	1355.8	1386.0	1410.8
65°	1178.3	1255.6	1328.1	1395.5	1458.6	1532.2	1598.6	1657.8	1709.4	1753.3	1789.4
62.5°	1421.3	1522.1	1626.1	1723.0	1812.5	1900.8	1986.7	2063.1	2129.9	2186.7	2233.5
60°	1723.0	1844.8	1976.2	2100.1	2214.7	2319.7	2417.5	2504.6	2580.8	2645.8	2699.2
57.5°	2060.2	2214.7	2361.4	2501.3	2630.8	2749.5	2854.3	2945.9	3026.0	3094.3	3150.6
55°	2417.5	2590.7	2753.7	2901.3	3036.3	3160.2	3270.1	3358.9	3436.6	3502.9	3557.6
52.5°	2778.2	2957.9	3126.8	3281.0	3410.9	3530.3	3638.5	3727.6	3804.1	3869.6	3923.6
50°	3118.6	3304.7	3466.0	3617.2	3747.9	3864.7	3970.8	4061.4	4136.6	4201.0	4254.2
47.5°	3429.7	3613.0	3773.8	3920.9	4054.2	4168.2	4272.0	4363.8	4439.1	4503.6	4557.0
45°	3713.6	3890.8	4055.0	4197.7	4330.9	4445.6	4548.9	4641.7	4713.9	4774.6	4824.8
42.5°	3969.9	4145.6	4307.8	4452.0	4583.8	4698.7	4795.1	4882.0	4952.6	5009.2	5056.2
40°	4200.6	4379.8	4539.2	4685.0	4807.3	4920.1	5009.6	5090.3	5159.1	5213.1	5258.0
37.5°	4414.5	4592.2	4747.4	4886.7	5003.4	5108.3	5196.9	5273.4	5341.0	5391.0	5432.7
35°	4610.1	4778.9	4932.4	5060.1	5175.8	5274.5	5361.8	5432.4	5495.2	5542.9	5580.9
32.5°	4778.9	4946.3	5088.8	5214.6	5327.5	5419.7	5503.3	5568.0	5625.0	5670.9	5706.3
30°	4932.4	5088.8	5227.6	5352.2	5455.1	5544.9	5620.2	5683.4	5736.0	5779.8	5810.9
27.5°	5060.1	5214.6	5352.2	5467.0	5565.5	5651.9	5720.9	5781.8	5827.7	5868.0	5894.7
25°	5175.8	5327.5	5455.1	5565.5	5661.2	5740.1	5805.7	5860.8	5901.5	5936.1	5956.0
22.5°	5274.5	5419.7	5544.9	5651.9	5740.1	5813.8	5875.7	5922.3	5955.7	5976.5	5988.3
20°	5361.8	5503.3	5620.2	5720.9	5805.7	5875.7	5929.4	5963.8	5987.1	5992.8	5996.2
17.5°	5432.4	5568.0	5683.4	5781.8	5860.8	5922.3	5963.8	5988.2	5995.1	5993.9	5990.4
15°	5495.2	5625.0	5736.0	5827.7	5901.5	5955.7	5987.1	5995.1	5993.1	5986.0	5975.2
12.5°	5542.9	5670.9	5779.8	5868.0	5936.1	5976.5	5992.8	5993.9	5986.0	5972.6	5957.2
10°	5580.9	5706.3	5810.9	5894.7	5956.0	5988.3	5996.2	5990.4	5975.2	5957.2	5940.2
7.5°	5611.0	5734.3	5835.6	5916.1	5969.0	5991.9	5993.6	5982.8	5964.5	5944.2	5925.8
5°	5632.7	5754.6	5853.6	5931.6	5978.5	5994.6	5991.8	5976.8	5955.7	5934.4	5917.5
2.5°	5645.9	5767.0	5864.5	5941.1	5984.3	5996.2	5990.6	5973.1	5950.1	5928.1	5912.0
0°	5650.3	5771.1	5868.2	5944.3	5986.3	5996.8	5990.2	5971.8	5948.2	5925.9	5910.1
-2.5°	5645.9	5767.0	5864.5	5941.1	5984.3	5996.2	5990.6	5973.1	5950.1	5928.1	5912.0
-5°	5632.7	5754.6	5853.6	5931.6	5978.5	5994.6	5991.8	5976.8	5955.7	5934.4	5917.5
-7.5°	5611.0	5734.3	5835.6	5916.1	5969.0	5991.9	5993.6	5982.8	5964.5	5944.2	5925.8
-10°	5580.9	5706.3	5810.9	5894.7	5956.0	5988.3	5996.2	5990.4	5975.2	5957.2	5940.2
-12.5°	5542.9	5670.9	5779.8	5868.0	5936.1	5976.5	5992.8	5993.9	5986.0	5972.6	5957.2
-15°	5495.2	5625.0	5736.0	5827.7	5901.5	5955.7	5987.1	5995.1	5993.1	5986.0	5975.2
-17.5°	5432.4	5568.0	5683.4	5781.8	5860.8	5922.3	5963.8	5988.2	5995.1	5993.9	5990.4
-20°	5361.8	5503.3	5620.2	5720.9	5805.7	5875.7	5929.4	5963.8	5987.1	5992.8	5996.2



REPORT NUMBER: P645456 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-730-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5274.5	5419.7	5544.9	5651.9	5740.1	5813.8	5875.7	5922.3	5955.7	5976.5	5988.3
-25°	5175.8	5327.5	5455.1	5565.5	5661.2	5740.1	5805.7	5860.8	5901.5	5936.1	5956.0
-27.5°	5060.1	5214.6	5352.2	5467.0	5565.5	5651.9	5720.9	5781.8	5827.7	5868.0	5894.7
-30°	4932.4	5088.8	5227.6	5352.2	5455.1	5544.9	5620.2	5683.4	5736.0	5779.8	5810.9
-32.5°	4778.9	4946.3	5088.8	5214.6	5327.5	5419.7	5503.3	5568.0	5625.0	5670.9	5706.3
-35°	4610.1	4778.9	4932.4	5060.1	5175.8	5274.5	5361.8	5432.4	5495.2	5542.9	5580.9
-37.5°	4414.5	4592.2	4747.4	4886.7	5003.4	5108.3	5196.9	5273.4	5341.0	5391.0	5432.7
-40°	4200.6	4379.8	4539.2	4685.0	4807.3	4920.1	5009.6	5090.3	5159.1	5213.1	5258.0
-42.5°	3969.9	4145.6	4307.8	4452.0	4583.8	4698.7	4795.1	4882.0	4952.6	5009.2	5056.2
-45°	3713.6	3890.8	4055.0	4197.7	4330.9	4445.6	4548.9	4641.7	4713.9	4774.6	4824.8
-47.5°	3429.7	3613.0	3773.8	3920.9	4054.2	4168.2	4272.0	4363.8	4439.1	4503.6	4557.0
-50°	3118.6	3304.7	3466.0	3617.2	3747.9	3864.7	3970.8	4061.4	4136.6	4201.0	4254.2
-52.5°	2778.2	2957.9	3126.8	3281.0	3410.9	3530.3	3638.5	3727.6	3804.1	3869.6	3923.6
-55°	2417.5	2590.7	2753.7	2901.3	3036.3	3160.2	3270.1	3358.9	3436.6	3502.9	3557.6
-57.5°	2060.2	2214.7	2361.4	2501.3	2630.8	2749.5	2854.3	2945.9	3026.0	3094.3	3150.6
-60°	1723.0	1844.8	1976.2	2100.1	2214.7	2319.7	2417.5	2504.6	2580.8	2645.8	2699.2
-62.5°	1421.3	1522.1	1626.1	1723.0	1812.5	1900.8	1986.7	2063.1	2129.9	2186.7	2233.5
-65°	1178.3	1255.6	1328.1	1395.5	1458.6	1532.2	1598.6	1657.8	1709.4	1753.3	1789.4
-67.5°	968.8	1026.5	1080.5	1130.8	1183.1	1233.8	1279.6	1320.3	1355.8	1386.0	1410.8
-70°	789.6	829.9	867.7	906.2	947.1	984.4	1018.0	1047.9	1074.0	1096.1	1114.3
-72.5°	640.5	667.2	694.0	724.5	752.6	778.2	801.3	821.8	839.7	854.9	867.4
-75°	517.2	538.1	559.4	579.2	597.5	614.1	629.1	642.3	653.9	663.8	671.9
-77.5°	406.6	423.3	438.8	453.3	466.6	478.7	489.7	499.4	507.8	515.0	520.9
-80°	290.7	304.6	317.7	329.8	340.9	351.0	360.2	368.3	375.3	381.3	386.2
-82.5°	181.1	190.6	199.4	207.7	215.2	222.1	228.3	233.8	238.5	242.6	245.9
-85°	89.7	94.0	98.0	101.8	105.2	108.4	111.2	113.7	115.9	117.8	119.3
-87.5°	26.9	27.7	28.4	29.1	29.7	30.3	30.8	31.3	31.7	32.0	32.3
-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: P645456 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-730-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°	32.5	32.7	32.8	32.8	32.8	32.7	32.5	32.3	32.0	31.7	31.3
85°	120.5	121.3	121.8	122.0	121.8	121.3	120.5	119.3	117.8	115.9	113.7
82.5°	248.5	250.4	251.5	251.9	251.5	250.4	248.5	245.9	242.6	238.5	233.8
80°	390.1	392.8	394.4	395.0	394.4	392.8	390.1	386.2	381.3	375.3	368.3
77.5°	525.5	528.8	530.7	531.4	530.7	528.8	525.5	520.9	515.0	507.8	499.4
75°	678.2	682.7	685.4	686.3	685.4	682.7	678.2	671.9	663.8	653.9	642.3
72.5°	877.1	884.1	888.3	889.7	888.3	884.1	877.1	867.4	854.9	839.7	821.8
70°	1128.6	1138.7	1144.9	1146.9	1144.9	1138.7	1128.6	1114.3	1096.1	1074.0	1047.9
67.5°	1430.2	1444.1	1452.4	1455.2	1452.4	1444.1	1430.2	1410.8	1386.0	1355.8	1320.3
65°	1817.7	1837.9	1850.0	1854.1	1850.0	1837.9	1817.7	1789.4	1753.3	1709.4	1657.8
62.5°	2270.1	2296.3	2312.0	2317.3	2312.0	2296.3	2270.1	2233.5	2186.7	2129.9	2063.1
60°	2741.0	2771.0	2789.0	2795.0	2789.0	2771.0	2741.0	2699.2	2645.8	2580.8	2504.6
57.5°	3194.7	3226.3	3245.3	3251.6	3245.3	3226.3	3194.7	3150.6	3094.3	3026.0	2945.9
55°	3600.4	3631.1	3649.6	3655.8	3649.6	3631.1	3600.4	3557.6	3502.9	3436.6	3358.9
52.5°	3965.9	3996.2	4014.5	4020.6	4014.5	3996.2	3965.9	3923.6	3869.6	3804.1	3727.6
50°	4295.9	4325.8	4343.9	4349.9	4343.9	4325.8	4295.9	4254.2	4201.0	4136.6	4061.4
47.5°	4598.8	4628.9	4647.0	4653.1	4647.0	4628.9	4598.8	4557.0	4503.6	4439.1	4363.8
45°	4864.3	4892.7	4909.8	4915.5	4909.8	4892.7	4864.3	4824.8	4774.6	4713.9	4641.7
42.5°	5093.1	5119.8	5135.8	5141.2	5135.8	5119.8	5093.1	5056.2	5009.2	4952.6	4882.0
40°	5293.3	5318.8	5334.2	5339.3	5334.2	5318.8	5293.3	5258.0	5213.1	5159.1	5090.3
37.5°	5465.6	5489.4	5503.8	5508.6	5503.8	5489.4	5465.6	5432.7	5391.0	5341.0	5273.4
35°	5611.0	5632.7	5645.9	5650.3	5645.9	5632.7	5611.0	5580.9	5542.9	5495.2	5432.4
32.5°	5734.3	5754.6	5767.0	5771.1	5767.0	5754.6	5734.3	5706.3	5670.9	5625.0	5568.0
30°	5835.6	5853.6	5864.5	5868.2	5864.5	5853.6	5835.6	5810.9	5779.8	5736.0	5683.4
27.5°	5916.1	5931.6	5941.1	5944.3	5941.1	5931.6	5916.1	5894.7	5868.0	5827.7	5781.8
25°	5969.0	5978.5	5984.3	5986.3	5984.3	5978.5	5969.0	5956.0	5936.1	5901.5	5860.8
22.5°	5991.9	5994.6	5996.2	5996.8	5996.2	5994.6	5991.9	5988.3	5976.5	5955.7	5922.3
20°	5993.6	5991.8	5990.6	5990.2	5990.6	5991.8	5993.6	5996.2	5992.8	5987.1	5963.8
17.5°	5982.8	5976.8	5973.1	5971.8	5973.1	5976.8	5982.8	5990.4	5993.9	5995.1	5988.2
15°	5964.5	5955.7	5950.1	5948.2	5950.1	5955.7	5964.5	5975.2	5986.0	5993.1	5995.1
12.5°	5944.2	5934.4	5928.1	5925.9	5928.1	5934.4	5944.2	5957.2	5972.6	5986.0	5993.9
10°	5925.8	5917.5	5912.0	5910.1	5912.0	5917.5	5925.8	5940.2	5957.2	5975.2	5990.4
7.5°	5913.8	5906.5	5902.5	5901.0	5902.5	5906.5	5913.8	5925.8	5944.2	5964.5	5982.8
5°	5906.5	5899.2	5893.0	5890.5	5893.0	5899.2	5906.5	5917.5	5934.4	5955.7	5976.8
2.5°	5902.5	5893.0	5883.6	5878.7	5883.6	5893.0	5902.5	5912.0	5928.1	5950.1	5973.1
0°	5901.0	5890.5	5878.7	5880.0	5878.7	5890.5	5901.0	5910.1	5925.9	5948.2	5971.8
-2.5°	5902.5	5893.0	5883.6	5878.7	5883.6	5893.0	5902.5	5912.0	5928.1	5950.1	5973.1
-5°	5906.5	5899.2	5893.0	5890.5	5893.0	5899.2	5906.5	5917.5	5934.4	5955.7	5976.8
-7.5°	5913.8	5906.5	5902.5	5901.0	5902.5	5906.5	5913.8	5925.8	5944.2	5964.5	5982.8
-10°	5925.8	5917.5	5912.0	5910.1	5912.0	5917.5	5925.8	5940.2	5957.2	5975.2	5990.4
-12.5°	5944.2	5934.4	5928.1	5925.9	5928.1	5934.4	5944.2	5957.2	5972.6	5986.0	5993.9
-15°	5964.5	5955.7	5950.1	5948.2	5950.1	5955.7	5964.5	5975.2	5986.0	5993.1	5995.1
-17.5°	5982.8	5976.8	5973.1	5971.8	5973.1	5976.8	5982.8	5990.4	5993.9	5995.1	5988.2
-20°	5993.6	5991.8	5990.6	5990.2	5990.6	5991.8	5993.6	5996.2	5992.8	5987.1	5963.8

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

Scaled Data Report



REPORT NUMBER: P645456 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4B-730-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°	5991.9	5994.6	5996.2	5996.8	5996.2	5994.6	5991.9	5988.3	5976.5	5955.7	5922.3
-25°	5969.0	5978.5	5984.3	5986.3	5984.3	5978.5	5969.0	5956.0	5936.1	5901.5	5860.8
-27.5°	5916.1	5931.6	5941.1	5944.3	5941.1	5931.6	5916.1	5894.7	5868.0	5827.7	5781.8
-30°	5835.6	5853.6	5864.5	5868.2	5864.5	5853.6	5835.6	5810.9	5779.8	5736.0	5683.4
-32.5°	5734.3	5754.6	5767.0	5771.1	5767.0	5754.6	5734.3	5706.3	5670.9	5625.0	5568.0
-35°	5611.0	5632.7	5645.9	5650.3	5645.9	5632.7	5611.0	5580.9	5542.9	5495.2	5432.4
-37.5°	5465.6	5489.4	5503.8	5508.6	5503.8	5489.4	5465.6	5432.7	5391.0	5341.0	5273.4
-40°	5293.3	5318.8	5334.2	5339.3	5334.2	5318.8	5293.3	5258.0	5213.1	5159.1	5090.3
-42.5°	5093.1	5119.8	5135.8	5141.2	5135.8	5119.8	5093.1	5056.2	5009.2	4952.6	4882.0
-45°	4864.3	4892.7	4909.8	4915.5	4909.8	4892.7	4864.3	4824.8	4774.6	4713.9	4641.7
-47.5°	4598.8	4628.9	4647.0	4653.1	4647.0	4628.9	4598.8	4557.0	4503.6	4439.1	4363.8
-50°	4295.9	4325.8	4343.9	4349.9	4343.9	4325.8	4295.9	4254.2	4201.0	4136.6	4061.4
-52.5°	3965.9	3996.2	4014.5	4020.6	4014.5	3996.2	3965.9	3923.6	3869.6	3804.1	3727.6
-55°	3600.4	3631.1	3649.6	3655.8	3649.6	3631.1	3600.4	3557.6	3502.9	3436.6	3358.9
-57.5°	3194.7	3226.3	3245.3	3251.6	3245.3	3226.3	3194.7	3150.6	3094.3	3026.0	2945.9
-60°	2741.0	2771.0	2789.0	2795.0	2789.0	2771.0	2741.0	2699.2	2645.8	2580.8	2504.6
-62.5°	2270.1	2296.3	2312.0	2317.3	2312.0	2296.3	2270.1	2233.5	2186.7	2129.9	2063.1
-65°	1817.7	1837.9	1850.0	1854.1	1850.0	1837.9	1817.7	1789.4	1753.3	1709.4	1657.8
-67.5°	1430.2	1444.1	1452.4	1455.2	1452.4	1444.1	1430.2	1410.8	1386.0	1355.8	1320.3
-70°	1128.6	1138.7	1144.9	1146.9	1144.9	1138.7	1128.6	1114.3	1096.1	1074.0	1047.9
-72.5°	877.1	884.1	888.3	889.7	888.3	884.1	877.1	867.4	854.9	839.7	821.8
-75°	678.2	682.7	685.4	686.3	685.4	682.7	678.2	671.9	663.8	653.9	642.3
-77.5°	525.5	528.8	530.7	531.4	530.7	528.8	525.5	520.9	515.0	507.8	499.4
-80°	390.1	392.8	394.4	395.0	394.4	392.8	390.1	386.2	381.3	375.3	368.3
-82.5°	248.5	250.4	251.5	251.9	251.5	250.4	248.5	245.9	242.6	238.5	233.8
-85°	120.5	121.3	121.8	122.0	121.8	121.3	120.5	119.3	117.8	115.9	113.7
-87.5°	32.5	32.7	32.8	32.8	32.8	32.7	32.5	32.3	32.0	31.7	31.3
-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: P645456 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-730-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°	30.8	30.3	29.7	29.1	28.4	27.7	26.9	26.0	25.1	24.2	23.2
85°	111.2	108.4	105.2	101.8	98.0	94.0	89.7	85.1	80.2	75.1	69.7
82.5°	228.3	222.1	215.2	207.7	199.4	190.6	181.1	171.0	160.4	149.1	137.4
80°	360.2	351.0	340.9	329.8	317.7	304.6	290.7	275.9	260.2	244.4	228.7
77.5°	489.7	478.7	466.6	453.3	438.8	423.3	406.6	388.6	368.9	348.2	326.5
75°	629.1	614.1	597.5	579.2	559.4	538.1	517.2	495.9	473.3	449.6	424.8
72.5°	801.3	778.2	752.6	724.5	694.0	667.2	640.5	612.1	582.1	550.6	519.2
70°	1018.0	984.4	947.1	906.2	867.7	829.9	789.6	746.8	701.7	661.9	624.1
67.5°	1279.6	1233.8	1183.1	1130.8	1080.5	1026.5	968.8	907.6	852.8	799.2	743.2
65°	1598.6	1532.2	1458.6	1395.5	1328.1	1255.6	1178.3	1104.7	1032.7	957.1	880.6
62.5°	1986.7	1900.8	1812.5	1723.0	1626.1	1522.1	1421.3	1330.6	1235.1	1137.0	1049.9
60°	2417.5	2319.7	2214.7	2100.1	1976.2	1844.8	1723.0	1594.1	1458.6	1348.1	1233.8
57.5°	2854.3	2749.5	2630.8	2501.3	2361.4	2214.7	2060.2	1896.9	1743.2	1588.8	1434.1
55°	3270.1	3160.2	3036.3	2901.3	2753.7	2590.7	2417.5	2237.3	2051.4	1857.2	1683.0
52.5°	3638.5	3530.3	3410.9	3281.0	3126.8	2957.9	2778.2	2580.8	2374.0	2163.2	1946.1
50°	3970.8	3864.7	3747.9	3617.2	3466.0	3304.7	3118.6	2915.7	2699.2	2468.0	2231.0
47.5°	4272.0	4168.2	4054.2	3920.9	3773.8	3613.0	3429.7	3235.3	3008.1	2771.0	2515.3
45°	4548.9	4445.6	4330.9	4197.7	4055.0	3890.8	3713.6	3514.2	3299.7	3054.7	2795.0
42.5°	4795.1	4698.7	4583.8	4452.0	4307.8	4145.6	3969.9	3772.2	3556.8	3320.7	3054.7
40°	5009.6	4920.1	4807.3	4685.0	4539.2	4379.8	4200.6	4009.9	3791.8	3556.8	3299.7
37.5°	5196.9	5108.3	5003.4	4886.7	4747.4	4592.2	4414.5	4219.0	4009.9	3772.2	3514.2
35°	5361.8	5274.5	5175.8	5060.1	4932.4	4778.9	4610.1	4414.5	4200.6	3969.9	3713.6
32.5°	5503.3	5419.7	5327.5	5214.6	5088.8	4946.3	4778.9	4592.2	4379.8	4145.6	3890.8
30°	5620.2	5544.9	5455.1	5352.2	5227.6	5088.8	4932.4	4747.4	4539.2	4307.8	4055.0
27.5°	5720.9	5651.9	5565.5	5467.0	5352.2	5214.6	5060.1	4886.7	4685.0	4452.0	4197.7
25°	5805.7	5740.1	5661.2	5565.5	5455.1	5327.5	5175.8	5003.4	4807.3	4583.8	4330.9
22.5°	5875.7	5813.8	5740.1	5651.9	5544.9	5419.7	5274.5	5108.3	4920.1	4698.7	4445.6
20°	5929.4	5875.7	5805.7	5720.9	5620.2	5503.3	5361.8	5196.9	5009.6	4795.1	4548.9
17.5°	5963.8	5922.3	5860.8	5781.8	5683.4	5568.0	5432.4	5273.4	5090.3	4882.0	4641.7
15°	5987.1	5955.7	5901.5	5827.7	5736.0	5625.0	5495.2	5341.0	5159.1	4952.6	4713.9
12.5°	5992.8	5976.5	5936.1	5868.0	5779.8	5670.9	5542.9	5391.0	5213.1	5009.2	4774.6
10°	5996.2	5988.3	5956.0	5894.7	5810.9	5706.3	5580.9	5432.7	5258.0	5056.2	4824.8
7.5°	5993.6	5991.9	5969.0	5916.1	5835.6	5734.3	5611.0	5465.6	5293.3	5093.1	4864.3
5°	5991.8	5994.6	5978.5	5931.6	5853.6	5754.6	5632.7	5489.4	5318.8	5119.8	4892.7
2.5°	5990.6	5996.2	5984.3	5941.1	5864.5	5767.0	5645.9	5503.8	5334.2	5135.8	4909.8
0°	5990.2	5996.8	5986.3	5944.3	5868.2	5771.1	5650.3	5508.6	5339.3	5141.2	4915.5
-2.5°	5990.6	5996.2	5984.3	5941.1	5864.5	5767.0	5645.9	5503.8	5334.2	5135.8	4909.8
-5°	5991.8	5994.6	5978.5	5931.6	5853.6	5754.6	5632.7	5489.4	5318.8	5119.8	4892.7
-7.5°	5993.6	5991.9	5969.0	5916.1	5835.6	5734.3	5611.0	5465.6	5293.3	5093.1	4864.3
-10°	5996.2	5988.3	5956.0	5894.7	5810.9	5706.3	5580.9	5432.7	5258.0	5056.2	4824.8
-12.5°	5992.8	5976.5	5936.1	5868.0	5779.8	5670.9	5542.9	5391.0	5213.1	5009.2	4774.6
-15°	5987.1	5955.7	5901.5	5827.7	5736.0	5625.0	5495.2	5341.0	5159.1	4952.6	4713.9
-17.5°	5963.8	5922.3	5860.8	5781.8	5683.4	5568.0	5432.4	5273.4	5090.3	4882.0	4641.7
-20°	5929.4	5875.7	5805.7	5720.9	5620.2	5503.3	5361.8	5196.9	5009.6	4795.1	4548.9

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Scaled Data Report



REPORT NUMBER: P645456 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4B-730-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5875.7	5813.8	5740.1	5651.9	5544.9	5419.7	5274.5	5108.3	4920.1	4698.7	4445.6
-25°	5805.7	5740.1	5661.2	5565.5	5455.1	5327.5	5175.8	5003.4	4807.3	4583.8	4330.9
-27.5°	5720.9	5651.9	5565.5	5467.0	5352.2	5214.6	5060.1	4886.7	4685.0	4452.0	4197.7
-30°	5620.2	5544.9	5455.1	5352.2	5227.6	5088.8	4932.4	4747.4	4539.2	4307.8	4055.0
-32.5°	5503.3	5419.7	5327.5	5214.6	5088.8	4946.3	4778.9	4592.2	4379.8	4145.6	3890.8
-35°	5361.8	5274.5	5175.8	5060.1	4932.4	4778.9	4610.1	4414.5	4200.6	3969.9	3713.6
-37.5°	5196.9	5108.3	5003.4	4886.7	4747.4	4592.2	4414.5	4219.0	4009.9	3772.2	3514.2
-40°	5009.6	4920.1	4807.3	4685.0	4539.2	4379.8	4200.6	4009.9	3791.8	3556.8	3299.7
-42.5°	4795.1	4698.7	4583.8	4452.0	4307.8	4145.6	3969.9	3772.2	3556.8	3320.7	3054.7
-45°	4548.9	4445.6	4330.9	4197.7	4055.0	3890.8	3713.6	3514.2	3299.7	3054.7	2795.0
-47.5°	4272.0	4168.2	4054.2	3920.9	3773.8	3613.0	3429.7	3235.3	3008.1	2771.0	2515.3
-50°	3970.8	3864.7	3747.9	3617.2	3466.0	3304.7	3118.6	2915.7	2699.2	2468.0	2231.0
-52.5°	3638.5	3530.3	3410.9	3281.0	3126.8	2957.9	2778.2	2580.8	2374.0	2163.2	1946.1
-55°	3270.1	3160.2	3036.3	2901.3	2753.7	2590.7	2417.5	2237.3	2051.4	1857.2	1683.0
-57.5°	2854.3	2749.5	2630.8	2501.3	2361.4	2214.7	2060.2	1896.9	1743.2	1588.8	1434.1
-60°	2417.5	2319.7	2214.7	2100.1	1976.2	1844.8	1723.0	1594.1	1458.6	1348.1	1233.8
-62.5°	1986.7	1900.8	1812.5	1723.0	1626.1	1522.1	1421.3	1330.6	1235.1	1137.0	1049.9
-65°	1598.6	1532.2	1458.6	1395.5	1328.1	1255.6	1178.3	1104.7	1032.7	957.1	880.6
-67.5°	1279.6	1233.8	1183.1	1130.8	1080.5	1026.5	968.8	907.6	852.8	799.2	743.2
-70°	1018.0	984.4	947.1	906.2	867.7	829.9	789.6	746.8	701.7	661.9	624.1
-72.5°	801.3	778.2	752.6	724.5	694.0	667.2	640.5	612.1	582.1	550.6	519.2
-75°	629.1	614.1	597.5	579.2	559.4	538.1	517.2	495.9	473.3	449.6	424.8
-77.5°	489.7	478.7	466.6	453.3	438.8	423.3	406.6	388.6	368.9	348.2	326.5
-80°	360.2	351.0	340.9	329.8	317.7	304.6	290.7	275.9	260.2	244.4	228.7
-82.5°	228.3	222.1	215.2	207.7	199.4	190.6	181.1	171.0	160.4	149.1	137.4
-85°	111.2	108.4	105.2	101.8	98.0	94.0	89.7	85.1	80.2	75.1	69.7
-87.5°	30.8	30.3	29.7	29.1	28.4	27.7	26.9	26.0	25.1	24.2	23.2
-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: P645456 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-730-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°	22.2	21.1	20.0	18.8	17.6	16.4	15.1	13.9	12.5	11.2	9.9
85°	64.0	58.2	52.1	45.8	39.4	32.8	30.3	27.7	25.1	22.4	19.7
82.5°	125.1	115.3	106.2	96.8	87.1	77.1	66.9	56.4	45.8	34.9	29.5
80°	212.3	195.2	177.5	159.2	140.4	121.3	107.7	93.8	79.5	65.1	50.4
77.5°	303.9	280.4	256.0	232.7	209.2	185.0	160.2	134.9	113.1	95.1	76.7
75°	398.8	370.8	341.5	311.3	280.2	248.5	218.8	188.5	157.6	126.1	102.9
72.5°	488.9	457.5	424.9	391.1	354.8	317.6	279.5	241.6	205.5	168.9	131.8
70°	584.7	543.8	505.1	466.7	427.2	386.2	342.7	298.3	253.1	211.3	168.9
67.5°	685.3	639.2	591.6	542.5	496.8	451.3	404.7	355.3	304.6	253.1	205.5
65°	815.6	748.4	680.6	626.1	570.1	515.0	463.4	410.7	355.3	298.3	241.6
62.5°	959.3	870.7	794.1	715.4	647.0	584.0	521.1	463.4	404.7	342.7	279.5
60°	1120.4	1018.0	912.4	821.8	733.8	653.9	584.0	515.0	451.3	386.2	317.6
57.5°	1305.3	1172.1	1053.5	936.0	831.1	733.8	647.0	570.1	496.8	427.2	354.8
55°	1502.9	1348.5	1200.7	1065.4	936.0	821.8	715.4	626.1	542.5	466.7	391.1
52.5°	1740.0	1540.7	1363.0	1200.7	1053.5	912.4	794.1	680.6	591.6	505.1	424.9
50°	1990.9	1759.1	1540.7	1348.5	1172.1	1018.0	870.7	748.4	639.2	543.8	457.5
47.5°	2253.7	1990.9	1740.0	1502.9	1305.3	1120.4	959.3	815.6	685.3	584.7	488.9
45°	2515.3	2231.0	1946.1	1683.0	1434.1	1233.8	1049.9	880.6	743.2	624.1	519.2
42.5°	2771.0	2468.0	2163.2	1857.2	1588.8	1348.1	1137.0	957.1	799.2	661.9	550.6
40°	3008.1	2699.2	2374.0	2051.4	1743.2	1458.6	1235.1	1032.7	852.8	701.7	582.1
37.5°	3235.3	2915.7	2580.8	2237.3	1896.9	1594.1	1330.6	1104.7	907.6	746.8	612.1
35°	3429.7	3118.6	2778.2	2417.5	2060.2	1723.0	1421.3	1178.3	968.8	789.6	640.5
32.5°	3613.0	3304.7	2957.9	2590.7	2214.7	1844.8	1522.1	1255.6	1026.5	829.9	667.2
30°	3773.8	3466.0	3126.8	2753.7	2361.4	1976.2	1626.1	1328.1	1080.5	867.7	694.0
27.5°	3920.9	3617.2	3281.0	2901.3	2501.3	2100.1	1723.0	1395.5	1130.8	906.2	724.5
25°	4054.2	3747.9	3410.9	3036.3	2630.8	2214.7	1812.5	1458.6	1183.1	947.1	752.6
22.5°	4168.2	3864.7	3530.3	3160.2	2749.5	2319.7	1900.8	1532.2	1233.8	984.4	778.2
20°	4272.0	3970.8	3638.5	3270.1	2854.3	2417.5	1986.7	1598.6	1279.6	1018.0	801.3
17.5°	4363.8	4061.4	3727.6	3358.9	2945.9	2504.6	2063.1	1657.8	1320.3	1047.9	821.8
15°	4439.1	4136.6	3804.1	3436.6	3026.0	2580.8	2129.9	1709.4	1355.8	1074.0	839.7
12.5°	4503.6	4201.0	3869.6	3502.9	3094.3	2645.8	2186.7	1753.3	1386.0	1096.1	854.9
10°	4557.0	4254.2	3923.6	3557.6	3150.6	2699.2	2233.5	1789.4	1410.8	1114.3	867.4
7.5°	4598.8	4295.9	3965.9	3600.4	3194.7	2741.0	2270.1	1817.7	1430.2	1128.6	877.1
5°	4628.9	4325.8	3996.2	3631.1	3226.3	2771.0	2296.3	1837.9	1444.1	1138.7	884.1
2.5°	4647.0	4343.9	4014.5	3649.6	3245.3	2789.0	2312.0	1850.0	1452.4	1144.9	888.3
0°	4653.1	4349.9	4020.6	3655.8	3251.6	2795.0	2317.3	1854.1	1455.2	1146.9	889.7
-2.5°	4647.0	4343.9	4014.5	3649.6	3245.3	2789.0	2312.0	1850.0	1452.4	1144.9	888.3
-5°	4628.9	4325.8	3996.2	3631.1	3226.3	2771.0	2296.3	1837.9	1444.1	1138.7	884.1
-7.5°	4598.8	4295.9	3965.9	3600.4	3194.7	2741.0	2270.1	1817.7	1430.2	1128.6	877.1
-10°	4557.0	4254.2	3923.6	3557.6	3150.6	2699.2	2233.5	1789.4	1410.8	1114.3	867.4
-12.5°	4503.6	4201.0	3869.6	3502.9	3094.3	2645.8	2186.7	1753.3	1386.0	1096.1	854.9
-15°	4439.1	4136.6	3804.1	3436.6	3026.0	2580.8	2129.9	1709.4	1355.8	1074.0	839.7
-17.5°	4363.8	4061.4	3727.6	3358.9	2945.9	2504.6	2063.1	1657.8	1320.3	1047.9	821.8
-20°	4272.0	3970.8	3638.5	3270.1	2854.3	2417.5	1986.7	1598.6	1279.6	1018.0	801.3

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Cooper Lighting Solutions Photometric Lab  
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Scaled Data Report



REPORT NUMBER: P645456 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4168.2	3864.7	3530.3	3160.2	2749.5	2319.7	1900.8	1532.2	1233.8	984.4	778.2
-25°	4054.2	3747.9	3410.9	3036.3	2630.8	2214.7	1812.5	1458.6	1183.1	947.1	752.6
-27.5°	3920.9	3617.2	3281.0	2901.3	2501.3	2100.1	1723.0	1395.5	1130.8	906.2	724.5
-30°	3773.8	3466.0	3126.8	2753.7	2361.4	1976.2	1626.1	1328.1	1080.5	867.7	694.0
-32.5°	3613.0	3304.7	2957.9	2590.7	2214.7	1844.8	1522.1	1255.6	1026.5	829.9	667.2
-35°	3429.7	3118.6	2778.2	2417.5	2060.2	1723.0	1421.3	1178.3	968.8	789.6	640.5
-37.5°	3235.3	2915.7	2580.8	2237.3	1896.9	1594.1	1330.6	1104.7	907.6	746.8	612.1
-40°	3008.1	2699.2	2374.0	2051.4	1743.2	1458.6	1235.1	1032.7	852.8	701.7	582.1
-42.5°	2771.0	2468.0	2163.2	1857.2	1588.8	1348.1	1137.0	957.1	799.2	661.9	550.6
-45°	2515.3	2231.0	1946.1	1683.0	1434.1	1233.8	1049.9	880.6	743.2	624.1	519.2
-47.5°	2253.7	1990.9	1740.0	1502.9	1305.3	1120.4	959.3	815.6	685.3	584.7	488.9
-50°	1990.9	1759.1	1540.7	1348.5	1172.1	1018.0	870.7	748.4	639.2	543.8	457.5
-52.5°	1740.0	1540.7	1363.0	1200.7	1053.5	912.4	794.1	680.6	591.6	505.1	424.9
-55°	1502.9	1348.5	1200.7	1065.4	936.0	821.8	715.4	626.1	542.5	466.7	391.1
-57.5°	1305.3	1172.1	1053.5	936.0	831.1	733.8	647.0	570.1	496.8	427.2	354.8
-60°	1120.4	1018.0	912.4	821.8	733.8	653.9	584.0	515.0	451.3	386.2	317.6
-62.5°	959.3	870.7	794.1	715.4	647.0	584.0	521.1	463.4	404.7	342.7	279.5
-65°	815.6	748.4	680.6	626.1	570.1	515.0	463.4	410.7	355.3	298.3	241.6
-67.5°	685.3	639.2	591.6	542.5	496.8	451.3	404.7	355.3	304.6	253.1	205.5
-70°	584.7	543.8	505.1	466.7	427.2	386.2	342.7	298.3	253.1	211.3	168.9
-72.5°	488.9	457.5	424.9	391.1	354.8	317.6	279.5	241.6	205.5	168.9	131.8
-75°	398.8	370.8	341.5	311.3	280.2	248.5	218.8	188.5	157.6	126.1	102.9
-77.5°	303.9	280.4	256.0	232.7	209.2	185.0	160.2	134.9	113.1	95.1	76.7
-80°	212.3	195.2	177.5	159.2	140.4	121.3	107.7	93.8	79.5	65.1	50.4
-82.5°	125.1	115.3	106.2	96.8	87.1	77.1	66.9	56.4	45.8	34.9	29.5
-85°	64.0	58.2	52.1	45.8	39.4	32.8	30.3	27.7	25.1	22.4	19.7
-87.5°	22.2	21.1	20.0	18.8	17.6	16.4	15.1	13.9	12.5	11.2	9.9
-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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REPORT NUMBER: P645456 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4B-730-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°	8.5	7.1	5.7	4.3	2.9	1.4	0.0
85°	17.0	14.2	11.4	8.6	5.7	2.9	0.0
82.5°	25.4	21.2	17.0	12.8	8.6	4.3	0.0
80°	35.5	28.3	22.7	17.0	11.4	5.7	0.0
77.5°	58.2	39.4	28.3	21.2	14.2	7.1	0.0
75°	80.6	58.2	35.5	25.4	17.0	8.5	0.0
72.5°	102.9	76.7	50.4	29.5	19.7	9.9	0.0
70°	126.1	95.1	65.1	34.9	22.4	11.2	0.0
67.5°	157.6	113.1	79.5	45.8	25.1	12.5	0.0
65°	188.5	134.9	93.8	56.4	27.7	13.9	0.0
62.5°	218.8	160.2	107.7	66.9	30.3	15.1	0.0
60°	248.5	185.0	121.3	77.1	32.8	16.4	0.0
57.5°	280.2	209.2	140.4	87.1	39.4	17.6	0.0
55°	311.3	232.7	159.2	96.8	45.8	18.8	0.0
52.5°	341.5	256.0	177.5	106.2	52.1	20.0	0.0
50°	370.8	280.4	195.2	115.3	58.2	21.1	0.0
47.5°	398.8	303.9	212.3	125.1	64.0	22.2	0.0
45°	424.8	326.5	228.7	137.4	69.7	23.2	0.0
42.5°	449.6	348.2	244.4	149.1	75.1	24.2	0.0
40°	473.3	368.9	260.2	160.4	80.2	25.1	0.0
37.5°	495.9	388.6	275.9	171.0	85.1	26.0	0.0
35°	517.2	406.6	290.7	181.1	89.7	26.9	0.0
32.5°	538.1	423.3	304.6	190.6	94.0	27.7	0.0
30°	559.4	438.8	317.7	199.4	98.0	28.4	0.0
27.5°	579.2	453.3	329.8	207.7	101.8	29.1	0.0
25°	597.5	466.6	340.9	215.2	105.2	29.7	0.0
22.5°	614.1	478.7	351.0	222.1	108.4	30.3	0.0
20°	629.1	489.7	360.2	228.3	111.2	30.8	0.0
17.5°	642.3	499.4	368.3	233.8	113.7	31.3	0.0
15°	653.9	507.8	375.3	238.5	115.9	31.7	0.0
12.5°	663.8	515.0	381.3	242.6	117.8	32.0	0.0
10°	671.9	520.9	386.2	245.9	119.3	32.3	0.0
7.5°	678.2	525.5	390.1	248.5	120.5	32.5	0.0
5°	682.7	528.8	392.8	250.4	121.3	32.7	0.0
2.5°	685.4	530.7	394.4	251.5	121.8	32.8	0.0
0°	686.3	531.4	395.0	251.9	122.0	32.8	0.0
-2.5°	685.4	530.7	394.4	251.5	121.8	32.8	0.0
-5°	682.7	528.8	392.8	250.4	121.3	32.7	0.0
-7.5°	678.2	525.5	390.1	248.5	120.5	32.5	0.0
-10°	671.9	520.9	386.2	245.9	119.3	32.3	0.0
-12.5°	663.8	515.0	381.3	242.6	117.8	32.0	0.0
-15°	653.9	507.8	375.3	238.5	115.9	31.7	0.0
-17.5°	642.3	499.4	368.3	233.8	113.7	31.3	0.0
-20°	629.1	489.7	360.2	228.3	111.2	30.8	0.0

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REPORT NUMBER: P645456 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	614.1	478.7	351.0	222.1	108.4	30.3	0.0
-25°	597.5	466.6	340.9	215.2	105.2	29.7	0.0
-27.5°	579.2	453.3	329.8	207.7	101.8	29.1	0.0
-30°	559.4	438.8	317.7	199.4	98.0	28.4	0.0
-32.5°	538.1	423.3	304.6	190.6	94.0	27.7	0.0
-35°	517.2	406.6	290.7	181.1	89.7	26.9	0.0
-37.5°	495.9	388.6	275.9	171.0	85.1	26.0	0.0
-40°	473.3	368.9	260.2	160.4	80.2	25.1	0.0
-42.5°	449.6	348.2	244.4	149.1	75.1	24.2	0.0
-45°	424.8	326.5	228.7	137.4	69.7	23.2	0.0
-47.5°	398.8	303.9	212.3	125.1	64.0	22.2	0.0
-50°	370.8	280.4	195.2	115.3	58.2	21.1	0.0
-52.5°	341.5	256.0	177.5	106.2	52.1	20.0	0.0
-55°	311.3	232.7	159.2	96.8	45.8	18.8	0.0
-57.5°	280.2	209.2	140.4	87.1	39.4	17.6	0.0
-60°	248.5	185.0	121.3	77.1	32.8	16.4	0.0
-62.5°	218.8	160.2	107.7	66.9	30.3	15.1	0.0
-65°	188.5	134.9	93.8	56.4	27.7	13.9	0.0
-67.5°	157.6	113.1	79.5	45.8	25.1	12.5	0.0
-70°	126.1	95.1	65.1	34.9	22.4	11.2	0.0
-72.5°	102.9	76.7	50.4	29.5	19.7	9.9	0.0
-75°	80.6	58.2	35.5	25.4	17.0	8.5	0.0
-77.5°	58.2	39.4	28.3	21.2	14.2	7.1	0.0
-80°	35.5	28.3	22.7	17.0	11.4	5.7	0.0
-82.5°	25.4	21.2	17.0	12.8	8.6	4.3	0.0
-85°	17.0	14.2	11.4	8.6	5.7	2.9	0.0
-87.5°	8.5	7.1	5.7	4.3	2.9	1.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)