

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: P645424 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3C-740-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645424 (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-SA3C-740-U-LAM-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

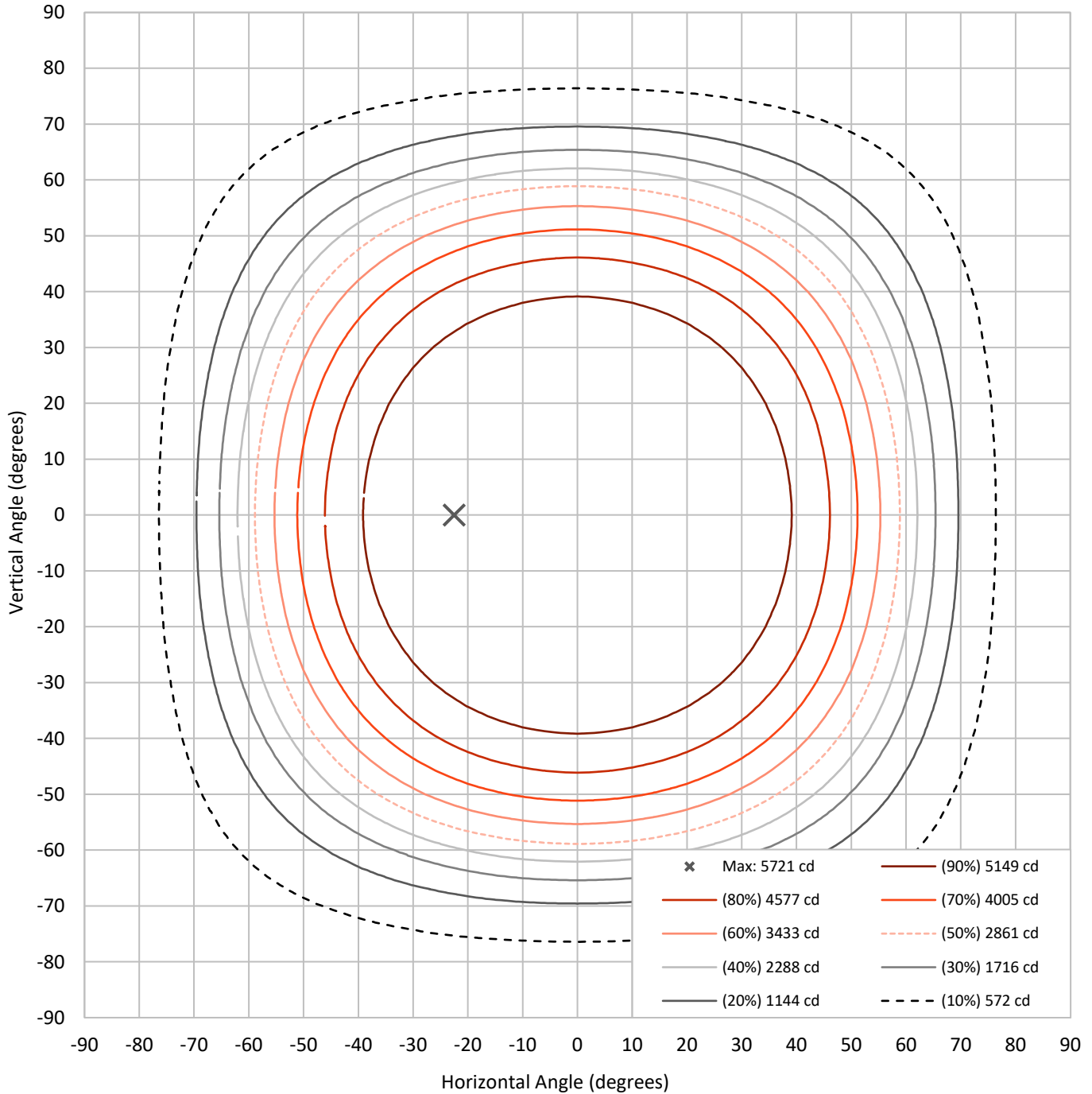
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	17500.9 lumens	Max Intensity:	5721 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	143.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	14564.6 lumens	Field Lumens:	17156.7 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	121.7		
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		



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### Iso-Candela Plot





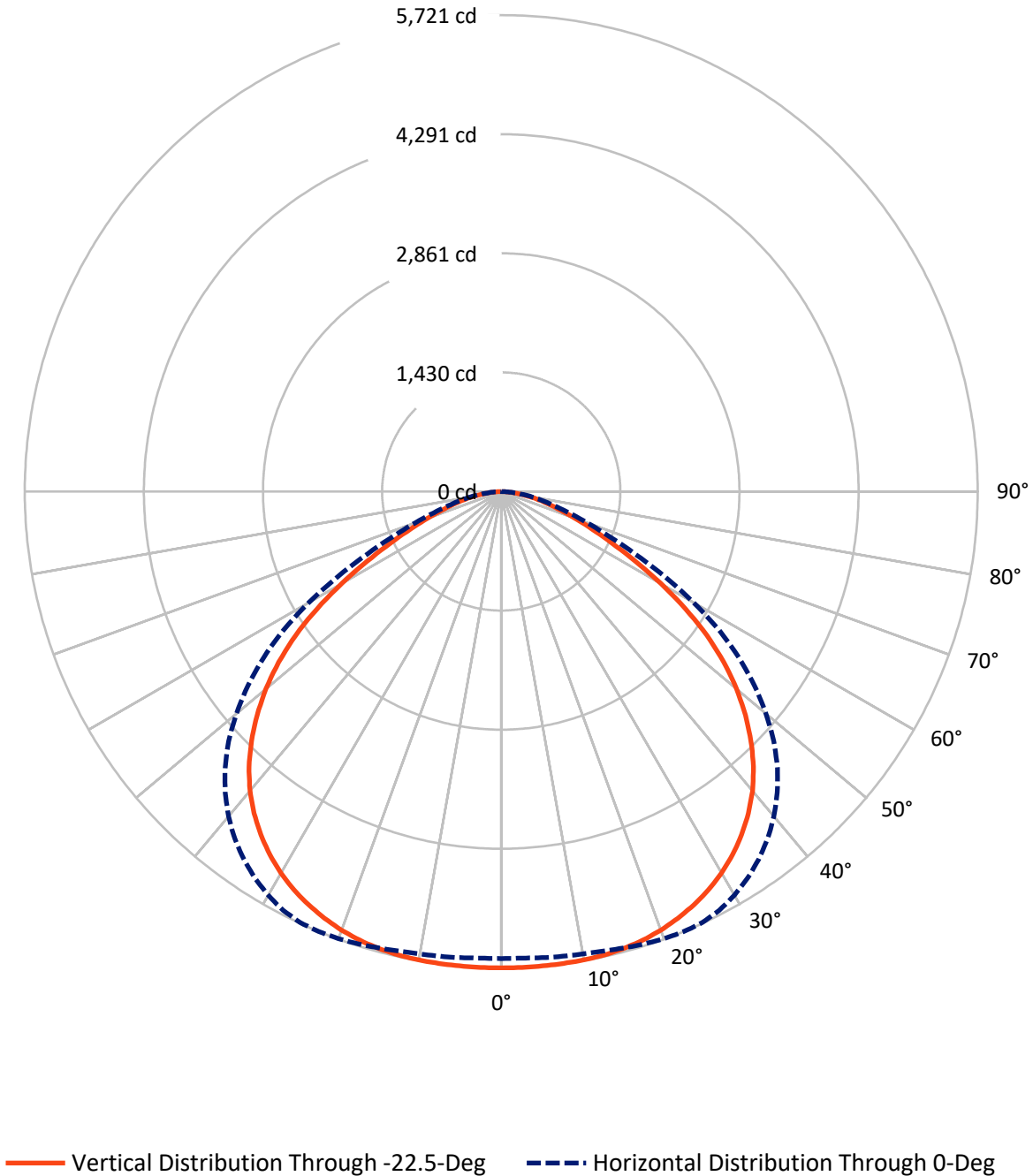
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### Lumen Table

90																			
80	0.9	9.1		25.6		42.7		49.9		42.7		25.6		9.1		0.9			
70																			
60	4.3	5.1	10.6	18.6	28.8	39.7	49.1	54.3	54.3	49.1	39.7	28.8	18.6	10.6	5.1	4.3			
50		7.9	18.2	35.2	57.5	79.2	95.3	103.8	103.8	95.3	79.2	57.5	35.2	18.2	7.9				
40	8.2	11.3	28.7	57.2	87.7	113.2	131.2	140.5	140.5	131.2	113.2	87.7	57.2	28.7	11.3	8.2			
30		15.1	40.6	75.8	109.0	135.5	153.3	162.2	162.2	153.3	135.5	109.0	75.8	40.6	15.1				
20	11.2	18.9	50.5	88.5	122.5	148.4	164.8	172.2	172.2	164.8	148.4	122.5	88.5	50.5	18.9	11.2			
10		22.0	57.1	96.3	130.1	154.7	167.7	172.3	172.3	167.7	154.7	130.1	96.3	57.1	22.0				
0	12.4	23.6	60.3	100.0	133.5	156.6	167.0	170.7	170.7	167.0	156.6	133.5	100.0	60.3	23.6	12.4			
-10		23.6	60.3	100.0	133.5	156.6	167.0	170.7	170.7	167.0	156.6	133.5	100.0	60.3	23.6				
-20	11.2	22.0	57.1	96.3	130.1	154.7	167.7	172.3	172.3	167.7	154.7	130.1	96.3	57.1	22.0	11.2			
-30		18.9	50.5	88.5	122.5	148.4	164.8	172.2	172.2	164.8	148.4	122.5	88.5	50.5	18.9				
-40	8.2	15.1	40.6	75.8	109.0	135.5	153.3	162.2	162.2	153.3	135.5	109.0	75.8	40.6	15.1	8.2			
-50		11.3	28.7	57.2	87.7	113.2	131.2	140.5	140.5	131.2	113.2	87.7	57.2	28.7	11.3				
-60	4.3	7.9	18.2	35.2	57.5	79.2	95.3	103.8	103.8	95.3	79.2	57.5	35.2	18.2	7.9	4.3			
-70		5.1	10.6	18.6	28.8	39.7	49.1	54.3	54.3	49.1	39.7	28.8	18.6	10.6	5.1				
-80																			
-90	0.9	9.1		25.6		42.7		49.9		42.7		25.6		9.1		0.9			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
	Horizontal Angle (degrees)																		

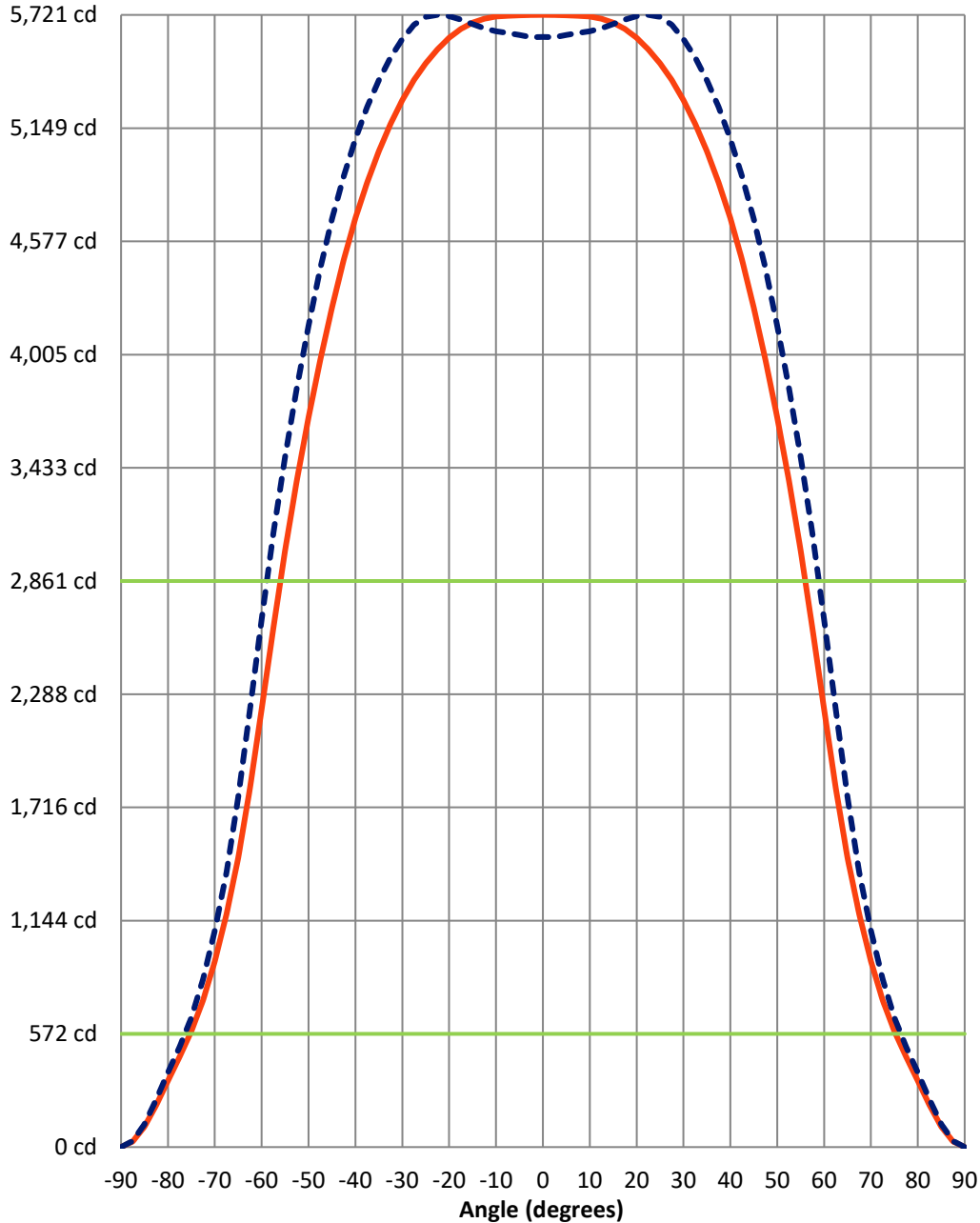
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 14564.6  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 17156.7  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 344.2  
 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	2.7	4.1	5.4	6.8	8.1	9.4	10.7	12.0	13.2
85°	0.0	2.7	5.4	8.2	10.9	13.5	16.2	18.8	21.4	23.9	26.4
82.5°	0.0	4.1	8.2	12.2	16.3	20.3	24.2	28.2	33.3	43.7	53.8
80°	0.0	5.4	10.9	16.3	21.6	27.0	33.9	48.1	62.1	75.9	89.5
77.5°	0.0	6.8	13.5	20.3	27.0	37.6	55.5	73.2	90.7	107.9	128.7
75°	0.0	8.1	16.2	24.2	33.9	55.5	76.9	98.1	120.3	150.3	179.9
72.5°	0.0	9.4	18.8	28.2	48.1	73.2	98.1	125.7	161.2	196.2	230.5
70°	0.0	10.7	21.4	33.3	62.1	90.7	120.3	161.2	201.6	241.5	284.6
67.5°	0.0	12.0	23.9	43.7	75.9	107.9	150.3	196.2	241.5	290.7	339.0
65°	0.0	13.2	26.4	53.8	89.5	128.7	179.9	230.5	284.6	339.0	391.8
62.5°	0.0	14.4	28.9	63.8	102.8	152.9	208.8	266.7	327.0	386.1	442.1
60°	0.0	15.6	31.3	73.6	115.8	176.6	237.2	303.0	368.4	430.5	491.3
57.5°	0.0	16.8	37.6	83.1	133.9	199.6	267.3	338.5	407.5	474.0	543.9
55°	0.0	17.9	43.7	92.4	151.9	222.1	297.0	373.1	445.2	517.6	597.3
52.5°	0.0	19.1	49.7	101.3	169.4	244.3	325.8	405.3	481.9	564.4	649.3
50°	0.0	20.1	55.5	110.0	186.3	267.5	353.7	436.4	518.8	609.8	713.9
47.5°	0.0	21.1	61.1	119.3	202.6	290.0	380.5	466.5	557.8	653.7	778.1
45°	0.0	22.1	66.5	131.1	218.2	311.5	405.2	495.4	595.4	709.0	840.1
42.5°	0.0	23.1	71.6	142.3	233.2	332.2	428.9	525.3	631.4	762.5	913.1
40°	0.0	24.0	76.5	153.0	248.3	351.9	451.6	555.3	669.4	813.6	985.1
37.5°	0.0	24.8	81.2	163.2	263.2	370.7	473.1	583.9	712.5	865.9	1053.9
35°	0.0	25.6	85.6	172.8	277.4	387.9	493.5	611.0	753.3	924.2	1124.0
32.5°	0.0	26.4	89.7	181.9	290.7	403.8	513.4	636.5	791.8	979.2	1197.8
30°	0.0	27.1	93.6	190.3	303.1	418.6	533.7	662.1	827.8	1030.8	1267.0
27.5°	0.0	27.8	97.1	198.2	314.6	432.5	552.6	691.2	864.5	1078.7	1331.4
25°	0.0	28.4	100.4	205.4	325.2	445.2	570.0	718.0	903.5	1128.6	1391.5
22.5°	0.0	28.9	103.4	211.9	334.9	456.7	585.8	742.4	939.1	1177.0	1461.7
20°	0.0	29.4	106.1	217.8	343.6	467.2	600.1	764.5	971.2	1220.7	1525.2
17.5°	0.0	29.9	108.5	223.1	351.3	476.4	612.8	784.0	999.7	1259.5	1581.6
15°	0.0	30.2	110.6	227.7	358.0	484.5	623.8	801.1	1024.5	1293.4	1630.8
12.5°	0.0	30.6	112.4	231.5	363.7	491.3	633.2	815.6	1045.7	1322.2	1672.7
10°	0.0	30.8	113.8	234.7	368.4	497.0	640.9	827.5	1063.0	1345.9	1707.2
7.5°	0.0	31.0	114.9	237.2	372.1	501.3	646.9	836.8	1076.6	1364.4	1734.1
5°	0.0	31.2	115.8	239.0	374.7	504.5	651.2	843.5	1086.3	1377.7	1753.4
2.5°	0.0	31.3	116.2	240.0	376.3	506.4	653.8	847.5	1092.2	1385.6	1765.0
0°	0.0	31.3	116.4	240.4	376.8	507.0	654.7	848.8	1094.1	1388.3	1768.9
-2.5°	0.0	31.3	116.2	240.0	376.3	506.4	653.8	847.5	1092.2	1385.6	1765.0
-5°	0.0	31.2	115.8	239.0	374.7	504.5	651.2	843.5	1086.3	1377.7	1753.4
-7.5°	0.0	31.0	114.9	237.2	372.1	501.3	646.9	836.8	1076.6	1364.4	1734.1
-10°	0.0	30.8	113.8	234.7	368.4	497.0	640.9	827.5	1063.0	1345.9	1707.2
-12.5°	0.0	30.6	112.4	231.5	363.7	491.3	633.2	815.6	1045.7	1322.2	1672.7
-15°	0.0	30.2	110.6	227.7	358.0	484.5	623.8	801.1	1024.5	1293.4	1630.8
-17.5°	0.0	29.9	108.5	223.1	351.3	476.4	612.8	784.0	999.7	1259.5	1581.6
-20°	0.0	29.4	106.1	217.8	343.6	467.2	600.1	764.5	971.2	1220.7	1525.2

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CATALOG NUMBER: GFLD-SA3C-740-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	28.9	103.4	211.9	334.9	456.7	585.8	742.4	939.1	1177.0	1461.7
-25°	0.0	28.4	100.4	205.4	325.2	445.2	570.0	718.0	903.5	1128.6	1391.5
-27.5°	0.0	27.8	97.1	198.2	314.6	432.5	552.6	691.2	864.5	1078.7	1331.4
-30°	0.0	27.1	93.6	190.3	303.1	418.6	533.7	662.1	827.8	1030.8	1267.0
-32.5°	0.0	26.4	89.7	181.9	290.7	403.8	513.4	636.5	791.8	979.2	1197.8
-35°	0.0	25.6	85.6	172.8	277.4	387.9	493.5	611.0	753.3	924.2	1124.0
-37.5°	0.0	24.8	81.2	163.2	263.2	370.7	473.1	583.9	712.5	865.9	1053.9
-40°	0.0	24.0	76.5	153.0	248.3	351.9	451.6	555.3	669.4	813.6	985.1
-42.5°	0.0	23.1	71.6	142.3	233.2	332.2	428.9	525.3	631.4	762.5	913.1
-45°	0.0	22.1	66.5	131.1	218.2	311.5	405.2	495.4	595.4	709.0	840.1
-47.5°	0.0	21.1	61.1	119.3	202.6	290.0	380.5	466.5	557.8	653.7	778.1
-50°	0.0	20.1	55.5	110.0	186.3	267.5	353.7	436.4	518.8	609.8	713.9
-52.5°	0.0	19.1	49.7	101.3	169.4	244.3	325.8	405.3	481.9	564.4	649.3
-55°	0.0	17.9	43.7	92.4	151.9	222.1	297.0	373.1	445.2	517.6	597.3
-57.5°	0.0	16.8	37.6	83.1	133.9	199.6	267.3	338.5	407.5	474.0	543.9
-60°	0.0	15.6	31.3	73.6	115.8	176.6	237.2	303.0	368.4	430.5	491.3
-62.5°	0.0	14.4	28.9	63.8	102.8	152.9	208.8	266.7	327.0	386.1	442.1
-65°	0.0	13.2	26.4	53.8	89.5	128.7	179.9	230.5	284.6	339.0	391.8
-67.5°	0.0	12.0	23.9	43.7	75.9	107.9	150.3	196.2	241.5	290.7	339.0
-70°	0.0	10.7	21.4	33.3	62.1	90.7	120.3	161.2	201.6	241.5	284.6
-72.5°	0.0	9.4	18.8	28.2	48.1	73.2	98.1	125.7	161.2	196.2	230.5
-75°	0.0	8.1	16.2	24.2	33.9	55.5	76.9	98.1	120.3	150.3	179.9
-77.5°	0.0	6.8	13.5	20.3	27.0	37.6	55.5	73.2	90.7	107.9	128.7
-80°	0.0	5.4	10.9	16.3	21.6	27.0	33.9	48.1	62.1	75.9	89.5
-82.5°	0.0	4.1	8.2	12.2	16.3	20.3	24.2	28.2	33.3	43.7	53.8
-85°	0.0	2.7	5.4	8.2	10.9	13.5	16.2	18.8	21.4	23.9	26.4
-87.5°	0.0	1.4	2.7	4.1	5.4	6.8	8.1	9.4	10.7	12.0	13.2
-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°	14.4	15.6	16.8	17.9	19.1	20.1	21.1	22.1	23.1	24.0	24.8
85°	28.9	31.3	37.6	43.7	49.7	55.5	61.1	66.5	71.6	76.5	81.2
82.5°	63.8	73.6	83.1	92.4	101.3	110.0	119.3	131.1	142.3	153.0	163.2
80°	102.8	115.8	133.9	151.9	169.4	186.3	202.6	218.2	233.2	248.3	263.2
77.5°	152.9	176.6	199.6	222.1	244.3	267.5	290.0	311.5	332.2	351.9	370.7
75°	208.8	237.2	267.3	297.0	325.8	353.7	380.5	405.2	428.9	451.6	473.1
72.5°	266.7	303.0	338.5	373.1	405.3	436.4	466.5	495.4	525.3	555.3	583.9
70°	327.0	368.4	407.5	445.2	481.9	518.8	557.8	595.4	631.4	669.4	712.5
67.5°	386.1	430.5	474.0	517.6	564.4	609.8	653.7	709.0	762.5	813.6	865.9
65°	442.1	491.3	543.9	597.3	649.3	713.9	778.1	840.1	913.1	985.1	1053.9
62.5°	497.1	557.1	617.2	682.5	757.6	830.6	915.2	1001.6	1084.6	1178.2	1269.4
60°	557.1	623.8	700.0	784.0	870.5	971.2	1068.8	1177.0	1286.1	1391.5	1520.8
57.5°	617.2	700.0	792.9	892.9	1005.0	1118.1	1245.2	1368.2	1515.7	1663.1	1809.7
55°	682.5	784.0	892.9	1016.3	1145.5	1286.5	1433.8	1605.6	1771.9	1957.1	2134.5
52.5°	757.6	870.5	1005.0	1145.5	1300.3	1469.9	1660.0	1856.7	2063.8	2264.9	2462.2
50°	830.6	971.2	1118.1	1286.5	1469.9	1678.2	1899.4	2128.4	2354.5	2575.1	2781.7
47.5°	915.2	1068.8	1245.2	1433.8	1660.0	1899.4	2150.1	2399.7	2643.6	2869.8	3086.5
45°	1001.6	1177.0	1368.2	1605.6	1856.7	2128.4	2399.7	2666.5	2914.2	3148.0	3352.6
42.5°	1084.6	1286.1	1515.7	1771.9	2063.8	2354.5	2643.6	2914.2	3168.0	3393.2	3598.7
40°	1178.2	1391.5	1663.1	1957.1	2264.9	2575.1	2869.8	3148.0	3393.2	3617.4	3825.5
37.5°	1269.4	1520.8	1809.7	2134.5	2462.2	2781.7	3086.5	3352.6	3598.7	3825.5	4025.0
35°	1355.9	1643.8	1965.5	2306.4	2650.4	2975.3	3272.0	3542.9	3787.4	4007.4	4211.5
32.5°	1452.1	1760.0	2112.9	2471.6	2822.0	3152.7	3446.9	3711.8	3954.9	4178.4	4381.1
30°	1551.4	1885.4	2252.8	2627.1	2983.0	3306.6	3600.2	3868.5	4109.7	4330.4	4529.1
27.5°	1643.8	2003.6	2386.3	2767.9	3130.2	3450.9	3740.6	4004.7	4247.3	4469.5	4662.0
25°	1729.2	2112.9	2509.9	2896.7	3254.1	3575.5	3867.8	4131.8	4373.0	4586.3	4773.4
22.5°	1813.4	2213.1	2623.1	3014.9	3367.9	3686.9	3976.6	4241.2	4482.6	4693.9	4873.4
20°	1895.4	2306.4	2723.0	3119.8	3471.2	3788.2	4075.6	4339.7	4574.6	4779.2	4957.9
17.5°	1968.3	2389.5	2810.4	3204.4	3556.2	3874.6	4163.2	4428.2	4657.5	4856.2	5030.9
15°	2032.0	2462.2	2886.8	3278.6	3629.2	3946.4	4235.0	4497.1	4724.9	4921.9	5095.4
12.5°	2086.2	2524.1	2952.1	3341.9	3691.6	4007.8	4296.5	4555.0	4778.9	4973.4	5143.2
10°	2130.9	2575.1	3005.8	3394.0	3743.1	4058.6	4347.4	4603.0	4823.7	5016.2	5182.9
7.5°	2165.7	2615.0	3047.8	3434.9	3783.5	4098.4	4387.3	4640.6	4859.0	5049.9	5214.3
5°	2190.7	2643.6	3077.9	3464.2	3812.4	4126.9	4416.0	4667.7	4884.4	5074.2	5237.0
2.5°	2205.8	2660.8	3096.0	3481.8	3829.9	4144.2	4433.3	4684.0	4899.7	5088.9	5250.7
0°	2210.8	2666.5	3102.1	3487.7	3835.7	4149.9	4439.1	4689.5	4904.8	5093.8	5255.3
-2.5°	2205.8	2660.8	3096.0	3481.8	3829.9	4144.2	4433.3	4684.0	4899.7	5088.9	5250.7
-5°	2190.7	2643.6	3077.9	3464.2	3812.4	4126.9	4416.0	4667.7	4884.4	5074.2	5237.0
-7.5°	2165.7	2615.0	3047.8	3434.9	3783.5	4098.4	4387.3	4640.6	4859.0	5049.9	5214.3
-10°	2130.9	2575.1	3005.8	3394.0	3743.1	4058.6	4347.4	4603.0	4823.7	5016.2	5182.9
-12.5°	2086.2	2524.1	2952.1	3341.9	3691.6	4007.8	4296.5	4555.0	4778.9	4973.4	5143.2
-15°	2032.0	2462.2	2886.8	3278.6	3629.2	3946.4	4235.0	4497.1	4724.9	4921.9	5095.4
-17.5°	1968.3	2389.5	2810.4	3204.4	3556.2	3874.6	4163.2	4428.2	4657.5	4856.2	5030.9
-20°	1895.4	2306.4	2723.0	3119.8	3471.2	3788.2	4075.6	4339.7	4574.6	4779.2	4957.9



REPORT NUMBER: P645424 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-740-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°	1813.4	2213.1	2623.1	3014.9	3367.9	3686.9	3976.6	4241.2	4482.6	4693.9	4873.4
-25°	1729.2	2112.9	2509.9	2896.7	3254.1	3575.5	3867.8	4131.8	4373.0	4586.3	4773.4
-27.5°	1643.8	2003.6	2386.3	2767.9	3130.2	3450.9	3740.6	4004.7	4247.3	4469.5	4662.0
-30°	1551.4	1885.4	2252.8	2627.1	2983.0	3306.6	3600.2	3868.5	4109.7	4330.4	4529.1
-32.5°	1452.1	1760.0	2112.9	2471.6	2822.0	3152.7	3446.9	3711.8	3954.9	4178.4	4381.1
-35°	1355.9	1643.8	1965.5	2306.4	2650.4	2975.3	3272.0	3542.9	3787.4	4007.4	4211.5
-37.5°	1269.4	1520.8	1809.7	2134.5	2462.2	2781.7	3086.5	3352.6	3598.7	3825.5	4025.0
-40°	1178.2	1391.5	1663.1	1957.1	2264.9	2575.1	2869.8	3148.0	3393.2	3617.4	3825.5
-42.5°	1084.6	1286.1	1515.7	1771.9	2063.8	2354.5	2643.6	2914.2	3168.0	3393.2	3598.7
-45°	1001.6	1177.0	1368.2	1605.6	1856.7	2128.4	2399.7	2666.5	2914.2	3148.0	3352.6
-47.5°	915.2	1068.8	1245.2	1433.8	1660.0	1899.4	2150.1	2399.7	2643.6	2869.8	3086.5
-50°	830.6	971.2	1118.1	1286.5	1469.9	1678.2	1899.4	2128.4	2354.5	2575.1	2781.7
-52.5°	757.6	870.5	1005.0	1145.5	1300.3	1469.9	1660.0	1856.7	2063.8	2264.9	2462.2
-55°	682.5	784.0	892.9	1016.3	1145.5	1286.5	1433.8	1605.6	1771.9	1957.1	2134.5
-57.5°	617.2	700.0	792.9	892.9	1005.0	1118.1	1245.2	1368.2	1515.7	1663.1	1809.7
-60°	557.1	623.8	700.0	784.0	870.5	971.2	1068.8	1177.0	1286.1	1391.5	1520.8
-62.5°	497.1	557.1	617.2	682.5	757.6	830.6	915.2	1001.6	1084.6	1178.2	1269.4
-65°	442.1	491.3	543.9	597.3	649.3	713.9	778.1	840.1	913.1	985.1	1053.9
-67.5°	386.1	430.5	474.0	517.6	564.4	609.8	653.7	709.0	762.5	813.6	865.9
-70°	327.0	368.4	407.5	445.2	481.9	518.8	557.8	595.4	631.4	669.4	712.5
-72.5°	266.7	303.0	338.5	373.1	405.3	436.4	466.5	495.4	525.3	555.3	583.9
-75°	208.8	237.2	267.3	297.0	325.8	353.7	380.5	405.2	428.9	451.6	473.1
-77.5°	152.9	176.6	199.6	222.1	244.3	267.5	290.0	311.5	332.2	351.9	370.7
-80°	102.8	115.8	133.9	151.9	169.4	186.3	202.6	218.2	233.2	248.3	263.2
-82.5°	63.8	73.6	83.1	92.4	101.3	110.0	119.3	131.1	142.3	153.0	163.2
-85°	28.9	31.3	37.6	43.7	49.7	55.5	61.1	66.5	71.6	76.5	81.2
-87.5°	14.4	15.6	16.8	17.9	19.1	20.1	21.1	22.1	23.1	24.0	24.8
-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: P645424 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-740-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°	25.6	26.4	27.1	27.8	28.4	28.9	29.4	29.9	30.2	30.6	30.8
85°	85.6	89.7	93.6	97.1	100.4	103.4	106.1	108.5	110.6	112.4	113.8
82.5°	172.8	181.9	190.3	198.2	205.4	211.9	217.8	223.1	227.7	231.5	234.7
80°	277.4	290.7	303.1	314.6	325.2	334.9	343.6	351.3	358.0	363.7	368.4
77.5°	387.9	403.8	418.6	432.5	445.2	456.7	467.2	476.4	484.5	491.3	497.0
75°	493.5	513.4	533.7	552.6	570.0	585.8	600.1	612.8	623.8	633.2	640.9
72.5°	611.0	636.5	662.1	691.2	718.0	742.4	764.5	784.0	801.1	815.6	827.5
70°	753.3	791.8	827.8	864.5	903.5	939.1	971.2	999.7	1024.5	1045.7	1063.0
67.5°	924.2	979.2	1030.8	1078.7	1128.6	1177.0	1220.7	1259.5	1293.4	1322.2	1345.9
65°	1124.0	1197.8	1267.0	1331.4	1391.5	1461.7	1525.2	1581.6	1630.8	1672.7	1707.2
62.5°	1355.9	1452.1	1551.4	1643.8	1729.2	1813.4	1895.4	1968.3	2032.0	2086.2	2130.9
60°	1643.8	1760.0	1885.4	2003.6	2112.9	2213.1	2306.4	2389.5	2462.2	2524.1	2575.1
57.5°	1965.5	2112.9	2252.8	2386.3	2509.9	2623.1	2723.0	2810.4	2886.8	2952.1	3005.8
55°	2306.4	2471.6	2627.1	2767.9	2896.7	3014.9	3119.8	3204.4	3278.6	3341.9	3394.0
52.5°	2650.4	2822.0	2983.0	3130.2	3254.1	3367.9	3471.2	3556.2	3629.2	3691.6	3743.1
50°	2975.3	3152.7	3306.6	3450.9	3575.5	3686.9	3788.2	3874.6	3946.4	4007.8	4058.6
47.5°	3272.0	3446.9	3600.2	3740.6	3867.8	3976.6	4075.6	4163.2	4235.0	4296.5	4347.4
45°	3542.9	3711.8	3868.5	4004.7	4131.8	4241.2	4339.7	4428.2	4497.1	4555.0	4603.0
42.5°	3787.4	3954.9	4109.7	4247.3	4373.0	4482.6	4574.6	4657.5	4724.9	4778.9	4823.7
40°	4007.4	4178.4	4330.4	4469.5	4586.3	4693.9	4779.2	4856.2	4921.9	4973.4	5016.2
37.5°	4211.5	4381.1	4529.1	4662.0	4773.4	4873.4	4957.9	5030.9	5095.4	5143.2	5182.9
35°	4398.0	4559.2	4705.6	4827.5	4937.8	5032.0	5115.2	5182.6	5242.5	5288.0	5324.3
32.5°	4559.2	4718.9	4854.8	4974.8	5082.5	5170.5	5250.3	5312.0	5366.3	5410.2	5443.9
30°	4705.6	4854.8	4987.2	5106.1	5204.3	5289.9	5361.8	5422.0	5472.2	5514.0	5543.7
27.5°	4827.5	4974.8	5106.1	5215.7	5309.6	5392.1	5457.9	5515.9	5559.7	5598.1	5623.6
25°	4937.8	5082.5	5204.3	5309.6	5400.8	5476.1	5538.7	5591.3	5630.1	5663.1	5682.0
22.5°	5032.0	5170.5	5289.9	5392.1	5476.1	5546.5	5605.4	5649.9	5681.7	5701.7	5712.9
20°	5115.2	5250.3	5361.8	5457.9	5538.7	5605.4	5656.6	5689.6	5711.7	5717.2	5720.4
17.5°	5182.6	5312.0	5422.0	5515.9	5591.3	5649.9	5689.6	5712.8	5719.4	5718.2	5714.9
15°	5242.5	5366.3	5472.2	5559.7	5630.1	5681.7	5711.7	5719.4	5717.4	5710.7	5700.4
12.5°	5288.0	5410.2	5514.0	5598.1	5663.1	5701.7	5717.2	5718.2	5710.7	5697.9	5683.3
10°	5324.3	5443.9	5543.7	5623.6	5682.0	5712.9	5720.4	5714.9	5700.4	5683.3	5667.1
7.5°	5353.0	5470.6	5567.2	5644.0	5694.5	5716.4	5718.0	5707.7	5690.3	5670.8	5653.3
5°	5373.7	5490.0	5584.4	5658.8	5703.6	5718.9	5716.2	5702.0	5681.8	5661.5	5645.4
2.5°	5386.3	5501.8	5594.8	5667.9	5709.1	5720.5	5715.1	5698.4	5676.5	5655.5	5640.2
0°	5390.5	5505.7	5598.3	5670.9	5711.0	5721.0	5714.7	5697.2	5674.7	5653.4	5638.4
-2.5°	5386.3	5501.8	5594.8	5667.9	5709.1	5720.5	5715.1	5698.4	5676.5	5655.5	5640.2
-5°	5373.7	5490.0	5584.4	5658.8	5703.6	5718.9	5716.2	5702.0	5681.8	5661.5	5645.4
-7.5°	5353.0	5470.6	5567.2	5644.0	5694.5	5716.4	5718.0	5707.7	5690.3	5670.8	5653.3
-10°	5324.3	5443.9	5543.7	5623.6	5682.0	5712.9	5720.4	5714.9	5700.4	5683.3	5667.1
-12.5°	5288.0	5410.2	5514.0	5598.1	5663.1	5701.7	5717.2	5718.2	5710.7	5697.9	5683.3
-15°	5242.5	5366.3	5472.2	5559.7	5630.1	5681.7	5711.7	5719.4	5717.4	5710.7	5700.4
-17.5°	5182.6	5312.0	5422.0	5515.9	5591.3	5649.9	5689.6	5712.8	5719.4	5718.2	5714.9
-20°	5115.2	5250.3	5361.8	5457.9	5538.7	5605.4	5656.6	5689.6	5711.7	5717.2	5720.4



REPORT NUMBER: P645424 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-740-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5032.0	5170.5	5289.9	5392.1	5476.1	5546.5	5605.4	5649.9	5681.7	5701.7	5712.9
-25°	4937.8	5082.5	5204.3	5309.6	5400.8	5476.1	5538.7	5591.3	5630.1	5663.1	5682.0
-27.5°	4827.5	4974.8	5106.1	5215.7	5309.6	5392.1	5457.9	5515.9	5559.7	5598.1	5623.6
-30°	4705.6	4854.8	4987.2	5106.1	5204.3	5289.9	5361.8	5422.0	5472.2	5514.0	5543.7
-32.5°	4559.2	4718.9	4854.8	4974.8	5082.5	5170.5	5250.3	5312.0	5366.3	5410.2	5443.9
-35°	4398.0	4559.2	4705.6	4827.5	4937.8	5032.0	5115.2	5182.6	5242.5	5288.0	5324.3
-37.5°	4211.5	4381.1	4529.1	4662.0	4773.4	4873.4	4957.9	5030.9	5095.4	5143.2	5182.9
-40°	4007.4	4178.4	4330.4	4469.5	4586.3	4693.9	4779.2	4856.2	4921.9	4973.4	5016.2
-42.5°	3787.4	3954.9	4109.7	4247.3	4373.0	4482.6	4574.6	4657.5	4724.9	4778.9	4823.7
-45°	3542.9	3711.8	3868.5	4004.7	4131.8	4241.2	4339.7	4428.2	4497.1	4555.0	4603.0
-47.5°	3272.0	3446.9	3600.2	3740.6	3867.8	3976.6	4075.6	4163.2	4235.0	4296.5	4347.4
-50°	2975.3	3152.7	3306.6	3450.9	3575.5	3686.9	3788.2	3874.6	3946.4	4007.8	4058.6
-52.5°	2650.4	2822.0	2983.0	3130.2	3254.1	3367.9	3471.2	3556.2	3629.2	3691.6	3743.1
-55°	2306.4	2471.6	2627.1	2767.9	2896.7	3014.9	3119.8	3204.4	3278.6	3341.9	3394.0
-57.5°	1965.5	2112.9	2252.8	2386.3	2509.9	2623.1	2723.0	2810.4	2886.8	2952.1	3005.8
-60°	1643.8	1760.0	1885.4	2003.6	2112.9	2213.1	2306.4	2389.5	2462.2	2524.1	2575.1
-62.5°	1355.9	1452.1	1551.4	1643.8	1729.2	1813.4	1895.4	1968.3	2032.0	2086.2	2130.9
-65°	1124.0	1197.8	1267.0	1331.4	1391.5	1461.7	1525.2	1581.6	1630.8	1672.7	1707.2
-67.5°	924.2	979.2	1030.8	1078.7	1128.6	1177.0	1220.7	1259.5	1293.4	1322.2	1345.9
-70°	753.3	791.8	827.8	864.5	903.5	939.1	971.2	999.7	1024.5	1045.7	1063.0
-72.5°	611.0	636.5	662.1	691.2	718.0	742.4	764.5	784.0	801.1	815.6	827.5
-75°	493.5	513.4	533.7	552.6	570.0	585.8	600.1	612.8	623.8	633.2	640.9
-77.5°	387.9	403.8	418.6	432.5	445.2	456.7	467.2	476.4	484.5	491.3	497.0
-80°	277.4	290.7	303.1	314.6	325.2	334.9	343.6	351.3	358.0	363.7	368.4
-82.5°	172.8	181.9	190.3	198.2	205.4	211.9	217.8	223.1	227.7	231.5	234.7
-85°	85.6	89.7	93.6	97.1	100.4	103.4	106.1	108.5	110.6	112.4	113.8
-87.5°	25.6	26.4	27.1	27.8	28.4	28.9	29.4	29.9	30.2	30.6	30.8
-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: P645424 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-740-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°	31.0	31.2	31.3	31.3	31.3	31.2	31.0	30.8	30.6	30.2	29.9
85°	114.9	115.8	116.2	116.4	116.2	115.8	114.9	113.8	112.4	110.6	108.5
82.5°	237.2	239.0	240.0	240.4	240.0	239.0	237.2	234.7	231.5	227.7	223.1
80°	372.1	374.7	376.3	376.8	376.3	374.7	372.1	368.4	363.7	358.0	351.3
77.5°	501.3	504.5	506.4	507.0	506.4	504.5	501.3	497.0	491.3	484.5	476.4
75°	646.9	651.2	653.8	654.7	653.8	651.2	646.9	640.9	633.2	623.8	612.8
72.5°	836.8	843.5	847.5	848.8	847.5	843.5	836.8	827.5	815.6	801.1	784.0
70°	1076.6	1086.3	1092.2	1094.1	1092.2	1086.3	1076.6	1063.0	1045.7	1024.5	999.7
67.5°	1364.4	1377.7	1385.6	1388.3	1385.6	1377.7	1364.4	1345.9	1322.2	1293.4	1259.5
65°	1734.1	1753.4	1765.0	1768.9	1765.0	1753.4	1734.1	1707.2	1672.7	1630.8	1581.6
62.5°	2165.7	2190.7	2205.8	2210.8	2205.8	2190.7	2165.7	2130.9	2086.2	2032.0	1968.3
60°	2615.0	2643.6	2660.8	2666.5	2660.8	2643.6	2615.0	2575.1	2524.1	2462.2	2389.5
57.5°	3047.8	3077.9	3096.0	3102.1	3096.0	3077.9	3047.8	3005.8	2952.1	2886.8	2810.4
55°	3434.9	3464.2	3481.8	3487.7	3481.8	3464.2	3434.9	3394.0	3341.9	3278.6	3204.4
52.5°	3783.5	3812.4	3829.9	3835.7	3829.9	3812.4	3783.5	3743.1	3691.6	3629.2	3556.2
50°	4098.4	4126.9	4144.2	4149.9	4144.2	4126.9	4098.4	4058.6	4007.8	3946.4	3874.6
47.5°	4387.3	4416.0	4433.3	4439.1	4433.3	4416.0	4387.3	4347.4	4296.5	4235.0	4163.2
45°	4640.6	4667.7	4684.0	4689.5	4684.0	4667.7	4640.6	4603.0	4555.0	4497.1	4428.2
42.5°	4859.0	4884.4	4899.7	4904.8	4899.7	4884.4	4859.0	4823.7	4778.9	4724.9	4657.5
40°	5049.9	5074.2	5088.9	5093.8	5088.9	5074.2	5049.9	5016.2	4973.4	4921.9	4856.2
37.5°	5214.3	5237.0	5250.7	5255.3	5250.7	5237.0	5214.3	5182.9	5143.2	5095.4	5030.9
35°	5353.0	5373.7	5386.3	5390.5	5386.3	5373.7	5353.0	5324.3	5288.0	5242.5	5182.6
32.5°	5470.6	5490.0	5501.8	5505.7	5501.8	5490.0	5470.6	5443.9	5410.2	5366.3	5312.0
30°	5567.2	5584.4	5594.8	5598.3	5594.8	5584.4	5567.2	5543.7	5514.0	5472.2	5422.0
27.5°	5644.0	5658.8	5667.9	5670.9	5667.9	5658.8	5644.0	5623.6	5598.1	5559.7	5515.9
25°	5694.5	5703.6	5709.1	5711.0	5709.1	5703.6	5694.5	5682.0	5663.1	5630.1	5591.3
22.5°	5716.4	5718.9	5720.5	5721.0	5720.5	5718.9	5716.4	5712.9	5701.7	5681.7	5649.9
20°	5718.0	5716.2	5715.1	5714.7	5715.1	5716.2	5718.0	5720.4	5717.2	5711.7	5689.6
17.5°	5707.7	5702.0	5698.4	5697.2	5698.4	5702.0	5707.7	5714.9	5718.2	5719.4	5712.8
15°	5690.3	5681.8	5676.5	5674.7	5676.5	5681.8	5690.3	5700.4	5710.7	5717.4	5719.4
12.5°	5670.8	5661.5	5655.5	5653.4	5655.5	5661.5	5670.8	5683.3	5697.9	5710.7	5718.2
10°	5653.3	5645.4	5640.2	5638.4	5640.2	5645.4	5653.3	5667.1	5683.3	5700.4	5714.9
7.5°	5641.9	5634.9	5631.0	5629.6	5631.0	5634.9	5641.9	5653.3	5670.8	5690.3	5707.7
5°	5634.9	5627.9	5622.0	5619.6	5622.0	5627.9	5634.9	5645.4	5661.5	5681.8	5702.0
2.5°	5631.0	5622.0	5613.0	5608.3	5613.0	5622.0	5631.0	5640.2	5655.5	5676.5	5698.4
0°	5629.6	5619.6	5608.3	5609.6	5608.3	5619.6	5629.6	5638.4	5653.4	5674.7	5697.2
-2.5°	5631.0	5622.0	5613.0	5608.3	5613.0	5622.0	5631.0	5640.2	5655.5	5676.5	5698.4
-5°	5634.9	5627.9	5622.0	5619.6	5622.0	5627.9	5634.9	5645.4	5661.5	5681.8	5702.0
-7.5°	5641.9	5634.9	5631.0	5629.6	5631.0	5634.9	5641.9	5653.3	5670.8	5690.3	5707.7
-10°	5653.3	5645.4	5640.2	5638.4	5640.2	5645.4	5653.3	5667.1	5683.3	5700.4	5714.9
-12.5°	5670.8	5661.5	5655.5	5653.4	5655.5	5661.5	5670.8	5683.3	5697.9	5710.7	5718.2
-15°	5690.3	5681.8	5676.5	5674.7	5676.5	5681.8	5690.3	5700.4	5710.7	5717.4	5719.4
-17.5°	5707.7	5702.0	5698.4	5697.2	5698.4	5702.0	5707.7	5714.9	5718.2	5719.4	5712.8
-20°	5718.0	5716.2	5715.1	5714.7	5715.1	5716.2	5718.0	5720.4	5717.2	5711.7	5689.6

Classified

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

Scaled Data Report



REPORT NUMBER: P645424 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3C-740-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°	5716.4	5718.9	5720.5	5721.0	5720.5	5718.9	5716.4	5712.9	5701.7	5681.7	5649.9
-25°	5694.5	5703.6	5709.1	5711.0	5709.1	5703.6	5694.5	5682.0	5663.1	5630.1	5591.3
-27.5°	5644.0	5658.8	5667.9	5670.9	5667.9	5658.8	5644.0	5623.6	5598.1	5559.7	5515.9
-30°	5567.2	5584.4	5594.8	5598.3	5594.8	5584.4	5567.2	5543.7	5514.0	5472.2	5422.0
-32.5°	5470.6	5490.0	5501.8	5505.7	5501.8	5490.0	5470.6	5443.9	5410.2	5366.3	5312.0
-35°	5353.0	5373.7	5386.3	5390.5	5386.3	5373.7	5353.0	5324.3	5288.0	5242.5	5182.6
-37.5°	5214.3	5237.0	5250.7	5255.3	5250.7	5237.0	5214.3	5182.9	5143.2	5095.4	5030.9
-40°	5049.9	5074.2	5088.9	5093.8	5088.9	5074.2	5049.9	5016.2	4973.4	4921.9	4856.2
-42.5°	4859.0	4884.4	4899.7	4904.8	4899.7	4884.4	4859.0	4823.7	4778.9	4724.9	4657.5
-45°	4640.6	4667.7	4684.0	4689.5	4684.0	4667.7	4640.6	4603.0	4555.0	4497.1	4428.2
-47.5°	4387.3	4416.0	4433.3	4439.1	4433.3	4416.0	4387.3	4347.4	4296.5	4235.0	4163.2
-50°	4098.4	4126.9	4144.2	4149.9	4144.2	4126.9	4098.4	4058.6	4007.8	3946.4	3874.6
-52.5°	3783.5	3812.4	3829.9	3835.7	3829.9	3812.4	3783.5	3743.1	3691.6	3629.2	3556.2
-55°	3434.9	3464.2	3481.8	3487.7	3481.8	3464.2	3434.9	3394.0	3341.9	3278.6	3204.4
-57.5°	3047.8	3077.9	3096.0	3102.1	3096.0	3077.9	3047.8	3005.8	2952.1	2886.8	2810.4
-60°	2615.0	2643.6	2660.8	2666.5	2660.8	2643.6	2615.0	2575.1	2524.1	2462.2	2389.5
-62.5°	2165.7	2190.7	2205.8	2210.8	2205.8	2190.7	2165.7	2130.9	2086.2	2032.0	1968.3
-65°	1734.1	1753.4	1765.0	1768.9	1765.0	1753.4	1734.1	1707.2	1672.7	1630.8	1581.6
-67.5°	1364.4	1377.7	1385.6	1388.3	1385.6	1377.7	1364.4	1345.9	1322.2	1293.4	1259.5
-70°	1076.6	1086.3	1092.2	1094.1	1092.2	1086.3	1076.6	1063.0	1045.7	1024.5	999.7
-72.5°	836.8	843.5	847.5	848.8	847.5	843.5	836.8	827.5	815.6	801.1	784.0
-75°	646.9	651.2	653.8	654.7	653.8	651.2	646.9	640.9	633.2	623.8	612.8
-77.5°	501.3	504.5	506.4	507.0	506.4	504.5	501.3	497.0	491.3	484.5	476.4
-80°	372.1	374.7	376.3	376.8	376.3	374.7	372.1	368.4	363.7	358.0	351.3
-82.5°	237.2	239.0	240.0	240.4	240.0	239.0	237.2	234.7	231.5	227.7	223.1
-85°	114.9	115.8	116.2	116.4	116.2	115.8	114.9	113.8	112.4	110.6	108.5
-87.5°	31.0	31.2	31.3	31.3	31.3	31.2	31.0	30.8	30.6	30.2	29.9
-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: P645424 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-740-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°	29.4	28.9	28.4	27.8	27.1	26.4	25.6	24.8	24.0	23.1	22.1
85°	106.1	103.4	100.4	97.1	93.6	89.7	85.6	81.2	76.5	71.6	66.5
82.5°	217.8	211.9	205.4	198.2	190.3	181.9	172.8	163.2	153.0	142.3	131.1
80°	343.6	334.9	325.2	314.6	303.1	290.7	277.4	263.2	248.3	233.2	218.2
77.5°	467.2	456.7	445.2	432.5	418.6	403.8	387.9	370.7	351.9	332.2	311.5
75°	600.1	585.8	570.0	552.6	533.7	513.4	493.5	473.1	451.6	428.9	405.2
72.5°	764.5	742.4	718.0	691.2	662.1	636.5	611.0	583.9	555.3	525.3	495.4
70°	971.2	939.1	903.5	864.5	827.8	791.8	753.3	712.5	669.4	631.4	595.4
67.5°	1220.7	1177.0	1128.6	1078.7	1030.8	979.2	924.2	865.9	813.6	762.5	709.0
65°	1525.2	1461.7	1391.5	1331.4	1267.0	1197.8	1124.0	1053.9	985.1	913.1	840.1
62.5°	1895.4	1813.4	1729.2	1643.8	1551.4	1452.1	1355.9	1269.4	1178.2	1084.6	1001.6
60°	2306.4	2213.1	2112.9	2003.6	1885.4	1760.0	1643.8	1520.8	1391.5	1286.1	1177.0
57.5°	2723.0	2623.1	2509.9	2386.3	2252.8	2112.9	1965.5	1809.7	1663.1	1515.7	1368.2
55°	3119.8	3014.9	2896.7	2767.9	2627.1	2471.6	2306.4	2134.5	1957.1	1771.9	1605.6
52.5°	3471.2	3367.9	3254.1	3130.2	2983.0	2822.0	2650.4	2462.2	2264.9	2063.8	1856.7
50°	3788.2	3686.9	3575.5	3450.9	3306.6	3152.7	2975.3	2781.7	2575.1	2354.5	2128.4
47.5°	4075.6	3976.6	3867.8	3740.6	3600.2	3446.9	3272.0	3086.5	2869.8	2643.6	2399.7
45°	4339.7	4241.2	4131.8	4004.7	3868.5	3711.8	3542.9	3352.6	3148.0	2914.2	2666.5
42.5°	4574.6	4482.6	4373.0	4247.3	4109.7	3954.9	3787.4	3598.7	3393.2	3168.0	2914.2
40°	4779.2	4693.9	4586.3	4469.5	4330.4	4178.4	4007.4	3825.5	3617.4	3393.2	3148.0
37.5°	4957.9	4873.4	4773.4	4662.0	4529.1	4381.1	4211.5	4025.0	3825.5	3598.7	3352.6
35°	5115.2	5032.0	4937.8	4827.5	4705.6	4559.2	4398.0	4211.5	4007.4	3787.4	3542.9
32.5°	5250.3	5170.5	5082.5	4974.8	4854.8	4718.9	4559.2	4381.1	4178.4	3954.9	3711.8
30°	5361.8	5289.9	5204.3	5106.1	4987.2	4854.8	4705.6	4529.1	4330.4	4109.7	3868.5
27.5°	5457.9	5392.1	5309.6	5215.7	5106.1	4974.8	4827.5	4662.0	4469.5	4247.3	4004.7
25°	5538.7	5476.1	5400.8	5309.6	5204.3	5082.5	4937.8	4773.4	4586.3	4373.0	4131.8
22.5°	5605.4	5546.5	5476.1	5392.1	5289.9	5170.5	5032.0	4873.4	4693.9	4482.6	4241.2
20°	5656.6	5605.4	5538.7	5457.9	5361.8	5250.3	5115.2	4957.9	4779.2	4574.6	4339.7
17.5°	5689.6	5649.9	5591.3	5515.9	5422.0	5312.0	5182.6	5030.9	4856.2	4657.5	4428.2
15°	5711.7	5681.7	5630.1	5559.7	5472.2	5366.3	5242.5	5095.4	4921.9	4724.9	4497.1
12.5°	5717.2	5701.7	5663.1	5598.1	5514.0	5410.2	5288.0	5143.2	4973.4	4778.9	4555.0
10°	5720.4	5712.9	5682.0	5623.6	5543.7	5443.9	5324.3	5182.9	5016.2	4823.7	4603.0
7.5°	5718.0	5716.4	5694.5	5644.0	5567.2	5470.6	5353.0	5214.3	5049.9	4859.0	4640.6
5°	5716.2	5718.9	5703.6	5658.8	5584.4	5490.0	5373.7	5237.0	5074.2	4884.4	4667.7
2.5°	5715.1	5720.5	5709.1	5667.9	5594.8	5501.8	5386.3	5250.7	5088.9	4899.7	4684.0
0°	5714.7	5721.0	5711.0	5670.9	5598.3	5505.7	5390.5	5255.3	5093.8	4904.8	4689.5
-2.5°	5715.1	5720.5	5709.1	5667.9	5594.8	5501.8	5386.3	5250.7	5088.9	4899.7	4684.0
-5°	5716.2	5718.9	5703.6	5658.8	5584.4	5490.0	5373.7	5237.0	5074.2	4884.4	4667.7
-7.5°	5718.0	5716.4	5694.5	5644.0	5567.2	5470.6	5353.0	5214.3	5049.9	4859.0	4640.6
-10°	5720.4	5712.9	5682.0	5623.6	5543.7	5443.9	5324.3	5182.9	5016.2	4823.7	4603.0
-12.5°	5717.2	5701.7	5663.1	5598.1	5514.0	5410.2	5288.0	5143.2	4973.4	4778.9	4555.0
-15°	5711.7	5681.7	5630.1	5559.7	5472.2	5366.3	5242.5	5095.4	4921.9	4724.9	4497.1
-17.5°	5689.6	5649.9	5591.3	5515.9	5422.0	5312.0	5182.6	5030.9	4856.2	4657.5	4428.2
-20°	5656.6	5605.4	5538.7	5457.9	5361.8	5250.3	5115.2	4957.9	4779.2	4574.6	4339.7



REPORT NUMBER: P645424 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-740-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5605.4	5546.5	5476.1	5392.1	5289.9	5170.5	5032.0	4873.4	4693.9	4482.6	4241.2
-25°	5538.7	5476.1	5400.8	5309.6	5204.3	5082.5	4937.8	4773.4	4586.3	4373.0	4131.8
-27.5°	5457.9	5392.1	5309.6	5215.7	5106.1	4974.8	4827.5	4662.0	4469.5	4247.3	4004.7
-30°	5361.8	5289.9	5204.3	5106.1	4987.2	4854.8	4705.6	4529.1	4330.4	4109.7	3868.5
-32.5°	5250.3	5170.5	5082.5	4974.8	4854.8	4718.9	4559.2	4381.1	4178.4	3954.9	3711.8
-35°	5115.2	5032.0	4937.8	4827.5	4705.6	4559.2	4398.0	4211.5	4007.4	3787.4	3542.9
-37.5°	4957.9	4873.4	4773.4	4662.0	4529.1	4381.1	4211.5	4025.0	3825.5	3598.7	3352.6
-40°	4779.2	4693.9	4586.3	4469.5	4330.4	4178.4	4007.4	3825.5	3617.4	3393.2	3148.0
-42.5°	4574.6	4482.6	4373.0	4247.3	4109.7	3954.9	3787.4	3598.7	3393.2	3168.0	2914.2
-45°	4339.7	4241.2	4131.8	4004.7	3868.5	3711.8	3542.9	3352.6	3148.0	2914.2	2666.5
-47.5°	4075.6	3976.6	3867.8	3740.6	3600.2	3446.9	3272.0	3086.5	2869.8	2643.6	2399.7
-50°	3788.2	3686.9	3575.5	3450.9	3306.6	3152.7	2975.3	2781.7	2575.1	2354.5	2128.4
-52.5°	3471.2	3367.9	3254.1	3130.2	2983.0	2822.0	2650.4	2462.2	2264.9	2063.8	1856.7
-55°	3119.8	3014.9	2896.7	2767.9	2627.1	2471.6	2306.4	2134.5	1957.1	1771.9	1605.6
-57.5°	2723.0	2623.1	2509.9	2386.3	2252.8	2112.9	1965.5	1809.7	1663.1	1515.7	1368.2
-60°	2306.4	2213.1	2112.9	2003.6	1885.4	1760.0	1643.8	1520.8	1391.5	1286.1	1177.0
-62.5°	1895.4	1813.4	1729.2	1643.8	1551.4	1452.1	1355.9	1269.4	1178.2	1084.6	1001.6
-65°	1525.2	1461.7	1391.5	1331.4	1267.0	1197.8	1124.0	1053.9	985.1	913.1	840.1
-67.5°	1220.7	1177.0	1128.6	1078.7	1030.8	979.2	924.2	865.9	813.6	762.5	709.0
-70°	971.2	939.1	903.5	864.5	827.8	791.8	753.3	712.5	669.4	631.4	595.4
-72.5°	764.5	742.4	718.0	691.2	662.1	636.5	611.0	583.9	555.3	525.3	495.4
-75°	600.1	585.8	570.0	552.6	533.7	513.4	493.5	473.1	451.6	428.9	405.2
-77.5°	467.2	456.7	445.2	432.5	418.6	403.8	387.9	370.7	351.9	332.2	311.5
-80°	343.6	334.9	325.2	314.6	303.1	290.7	277.4	263.2	248.3	233.2	218.2
-82.5°	217.8	211.9	205.4	198.2	190.3	181.9	172.8	163.2	153.0	142.3	131.1
-85°	106.1	103.4	100.4	97.1	93.6	89.7	85.6	81.2	76.5	71.6	66.5
-87.5°	29.4	28.9	28.4	27.8	27.1	26.4	25.6	24.8	24.0	23.1	22.1
-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: P645424 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-740-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°	21.1	20.1	19.1	17.9	16.8	15.6	14.4	13.2	12.0	10.7	9.4
85°	61.1	55.5	49.7	43.7	37.6	31.3	28.9	26.4	23.9	21.4	18.8
82.5°	119.3	110.0	101.3	92.4	83.1	73.6	63.8	53.8	43.7	33.3	28.2
80°	202.6	186.3	169.4	151.9	133.9	115.8	102.8	89.5	75.9	62.1	48.1
77.5°	290.0	267.5	244.3	222.1	199.6	176.6	152.9	128.7	107.9	90.7	73.2
75°	380.5	353.7	325.8	297.0	267.3	237.2	208.8	179.9	150.3	120.3	98.1
72.5°	466.5	436.4	405.3	373.1	338.5	303.0	266.7	230.5	196.2	161.2	125.7
70°	557.8	518.8	481.9	445.2	407.5	368.4	327.0	284.6	241.5	201.6	161.2
67.5°	653.7	609.8	564.4	517.6	474.0	430.5	386.1	339.0	290.7	241.5	196.2
65°	778.1	713.9	649.3	597.3	543.9	491.3	442.1	391.8	339.0	284.6	230.5
62.5°	915.2	830.6	757.6	682.5	617.2	557.1	497.1	442.1	386.1	327.0	266.7
60°	1068.8	971.2	870.5	784.0	700.0	623.8	557.1	491.3	430.5	368.4	303.0
57.5°	1245.2	1118.1	1005.0	892.9	792.9	700.0	617.2	543.9	474.0	407.5	338.5
55°	1433.8	1286.5	1145.5	1016.3	892.9	784.0	682.5	597.3	517.6	445.2	373.1
52.5°	1660.0	1469.9	1300.3	1145.5	1005.0	870.5	757.6	649.3	564.4	481.9	405.3
50°	1899.4	1678.2	1469.9	1286.5	1118.1	971.2	830.6	713.9	609.8	518.8	436.4
47.5°	2150.1	1899.4	1660.0	1433.8	1245.2	1068.8	915.2	778.1	653.7	557.8	466.5
45°	2399.7	2128.4	1856.7	1605.6	1368.2	1177.0	1001.6	840.1	709.0	595.4	495.4
42.5°	2643.6	2354.5	2063.8	1771.9	1515.7	1286.1	1084.6	913.1	762.5	631.4	525.3
40°	2869.8	2575.1	2264.9	1957.1	1663.1	1391.5	1178.2	985.1	813.6	669.4	555.3
37.5°	3086.5	2781.7	2462.2	2134.5	1809.7	1520.8	1269.4	1053.9	865.9	712.5	583.9
35°	3272.0	2975.3	2650.4	2306.4	1965.5	1643.8	1355.9	1124.0	924.2	753.3	611.0
32.5°	3446.9	3152.7	2822.0	2471.6	2112.9	1760.0	1452.1	1197.8	979.2	791.8	636.5
30°	3600.2	3306.6	2983.0	2627.1	2252.8	1885.4	1551.4	1267.0	1030.8	827.8	662.1
27.5°	3740.6	3450.9	3130.2	2767.9	2386.3	2003.6	1643.8	1331.4	1078.7	864.5	691.2
25°	3867.8	3575.5	3254.1	2896.7	2509.9	2112.9	1729.2	1391.5	1128.6	903.5	718.0
22.5°	3976.6	3686.9	3367.9	3014.9	2623.1	2213.1	1813.4	1461.7	1177.0	939.1	742.4
20°	4075.6	3788.2	3471.2	3119.8	2723.0	2306.4	1895.4	1525.2	1220.7	971.2	764.5
17.5°	4163.2	3874.6	3556.2	3204.4	2810.4	2389.5	1968.3	1581.6	1259.5	999.7	784.0
15°	4235.0	3946.4	3629.2	3278.6	2886.8	2462.2	2032.0	1630.8	1293.4	1024.5	801.1
12.5°	4296.5	4007.8	3691.6	3341.9	2952.1	2524.1	2086.2	1672.7	1322.2	1045.7	815.6
10°	4347.4	4058.6	3743.1	3394.0	3005.8	2575.1	2130.9	1707.2	1345.9	1063.0	827.5
7.5°	4387.3	4098.4	3783.5	3434.9	3047.8	2615.0	2165.7	1734.1	1364.4	1076.6	836.8
5°	4416.0	4126.9	3812.4	3464.2	3077.9	2643.6	2190.7	1753.4	1377.7	1086.3	843.5
2.5°	4433.3	4144.2	3829.9	3481.8	3096.0	2660.8	2205.8	1765.0	1385.6	1092.2	847.5
0°	4439.1	4149.9	3835.7	3487.7	3102.1	2666.5	2210.8	1768.9	1388.3	1094.1	848.8
-2.5°	4433.3	4144.2	3829.9	3481.8	3096.0	2660.8	2205.8	1765.0	1385.6	1092.2	847.5
-5°	4416.0	4126.9	3812.4	3464.2	3077.9	2643.6	2190.7	1753.4	1377.7	1086.3	843.5
-7.5°	4387.3	4098.4	3783.5	3434.9	3047.8	2615.0	2165.7	1734.1	1364.4	1076.6	836.8
-10°	4347.4	4058.6	3743.1	3394.0	3005.8	2575.1	2130.9	1707.2	1345.9	1063.0	827.5
-12.5°	4296.5	4007.8	3691.6	3341.9	2952.1	2524.1	2086.2	1672.7	1322.2	1045.7	815.6
-15°	4235.0	3946.4	3629.2	3278.6	2886.8	2462.2	2032.0	1630.8	1293.4	1024.5	801.1
-17.5°	4163.2	3874.6	3556.2	3204.4	2810.4	2389.5	1968.3	1581.6	1259.5	999.7	784.0
-20°	4075.6	3788.2	3471.2	3119.8	2723.0	2306.4	1895.4	1525.2	1220.7	971.2	764.5

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

Scaled Data Report



REPORT NUMBER: P645424 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3C-740-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°	3976.6	3686.9	3367.9	3014.9	2623.1	2213.1	1813.4	1461.7	1177.0	939.1	742.4
-25°	3867.8	3575.5	3254.1	2896.7	2509.9	2112.9	1729.2	1391.5	1128.6	903.5	718.0
-27.5°	3740.6	3450.9	3130.2	2767.9	2386.3	2003.6	1643.8	1331.4	1078.7	864.5	691.2
-30°	3600.2	3306.6	2983.0	2627.1	2252.8	1885.4	1551.4	1267.0	1030.8	827.8	662.1
-32.5°	3446.9	3152.7	2822.0	2471.6	2112.9	1760.0	1452.1	1197.8	979.2	791.8	636.5
-35°	3272.0	2975.3	2650.4	2306.4	1965.5	1643.8	1355.9	1124.0	924.2	753.3	611.0
-37.5°	3086.5	2781.7	2462.2	2134.5	1809.7	1520.8	1269.4	1053.9	865.9	712.5	583.9
-40°	2869.8	2575.1	2264.9	1957.1	1663.1	1391.5	1178.2	985.1	813.6	669.4	555.3
-42.5°	2643.6	2354.5	2063.8	1771.9	1515.7	1286.1	1084.6	913.1	762.5	631.4	525.3
-45°	2399.7	2128.4	1856.7	1605.6	1368.2	1177.0	1001.6	840.1	709.0	595.4	495.4
-47.5°	2150.1	1899.4	1660.0	1433.8	1245.2	1068.8	915.2	778.1	653.7	557.8	466.5
-50°	1899.4	1678.2	1469.9	1286.5	1118.1	971.2	830.6	713.9	609.8	518.8	436.4
-52.5°	1660.0	1469.9	1300.3	1145.5	1005.0	870.5	757.6	649.3	564.4	481.9	405.3
-55°	1433.8	1286.5	1145.5	1016.3	892.9	784.0	682.5	597.3	517.6	445.2	373.1
-57.5°	1245.2	1118.1	1005.0	892.9	792.9	700.0	617.2	543.9	474.0	407.5	338.5
-60°	1068.8	971.2	870.5	784.0	700.0	623.8	557.1	491.3	430.5	368.4	303.0
-62.5°	915.2	830.6	757.6	682.5	617.2	557.1	497.1	442.1	386.1	327.0	266.7
-65°	778.1	713.9	649.3	597.3	543.9	491.3	442.1	391.8	339.0	284.6	230.5
-67.5°	653.7	609.8	564.4	517.6	474.0	430.5	386.1	339.0	290.7	241.5	196.2
-70°	557.8	518.8	481.9	445.2	407.5	368.4	327.0	284.6	241.5	201.6	161.2
-72.5°	466.5	436.4	405.3	373.1	338.5	303.0	266.7	230.5	196.2	161.2	125.7
-75°	380.5	353.7	325.8	297.0	267.3	237.2	208.8	179.9	150.3	120.3	98.1
-77.5°	290.0	267.5	244.3	222.1	199.6	176.6	152.9	128.7	107.9	90.7	73.2
-80°	202.6	186.3	169.4	151.9	133.9	115.8	102.8	89.5	75.9	62.1	48.1
-82.5°	119.3	110.0	101.3	92.4	83.1	73.6	63.8	53.8	43.7	33.3	28.2
-85°	61.1	55.5	49.7	43.7	37.6	31.3	28.9	26.4	23.9	21.4	18.8
-87.5°	21.1	20.1	19.1	17.9	16.8	15.6	14.4	13.2	12.0	10.7	9.4
-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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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645424 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3C-740-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°	8.1	6.8	5.4	4.1	2.7	1.4	0.0
85°	16.2	13.5	10.9	8.2	5.4	2.7	0.0
82.5°	24.2	20.3	16.3	12.2	8.2	4.1	0.0
80°	33.9	27.0	21.6	16.3	10.9	5.4	0.0
77.5°	55.5	37.6	27.0	20.3	13.5	6.8	0.0
75°	76.9	55.5	33.9	24.2	16.2	8.1	0.0
72.5°	98.1	73.2	48.1	28.2	18.8	9.4	0.0
70°	120.3	90.7	62.1	33.3	21.4	10.7	0.0
67.5°	150.3	107.9	75.9	43.7	23.9	12.0	0.0
65°	179.9	128.7	89.5	53.8	26.4	13.2	0.0
62.5°	208.8	152.9	102.8	63.8	28.9	14.4	0.0
60°	237.2	176.6	115.8	73.6	31.3	15.6	0.0
57.5°	267.3	199.6	133.9	83.1	37.6	16.8	0.0
55°	297.0	222.1	151.9	92.4	43.7	17.9	0.0
52.5°	325.8	244.3	169.4	101.3	49.7	19.1	0.0
50°	353.7	267.5	186.3	110.0	55.5	20.1	0.0
47.5°	380.5	290.0	202.6	119.3	61.1	21.1	0.0
45°	405.2	311.5	218.2	131.1	66.5	22.1	0.0
42.5°	428.9	332.2	233.2	142.3	71.6	23.1	0.0
40°	451.6	351.9	248.3	153.0	76.5	24.0	0.0
37.5°	473.1	370.7	263.2	163.2	81.2	24.8	0.0
35°	493.5	387.9	277.4	172.8	85.6	25.6	0.0
32.5°	513.4	403.8	290.7	181.9	89.7	26.4	0.0
30°	533.7	418.6	303.1	190.3	93.6	27.1	0.0
27.5°	552.6	432.5	314.6	198.2	97.1	27.8	0.0
25°	570.0	445.2	325.2	205.4	100.4	28.4	0.0
22.5°	585.8	456.7	334.9	211.9	103.4	28.9	0.0
20°	600.1	467.2	343.6	217.8	106.1	29.4	0.0
17.5°	612.8	476.4	351.3	223.1	108.5	29.9	0.0
15°	623.8	484.5	358.0	227.7	110.6	30.2	0.0
12.5°	633.2	491.3	363.7	231.5	112.4	30.6	0.0
10°	640.9	497.0	368.4	234.7	113.8	30.8	0.0
7.5°	646.9	501.3	372.1	237.2	114.9	31.0	0.0
5°	651.2	504.5	374.7	239.0	115.8	31.2	0.0
2.5°	653.8	506.4	376.3	240.0	116.2	31.3	0.0
0°	654.7	507.0	376.8	240.4	116.4	31.3	0.0
-2.5°	653.8	506.4	376.3	240.0	116.2	31.3	0.0
-5°	651.2	504.5	374.7	239.0	115.8	31.2	0.0
-7.5°	646.9	501.3	372.1	237.2	114.9	31.0	0.0
-10°	640.9	497.0	368.4	234.7	113.8	30.8	0.0
-12.5°	633.2	491.3	363.7	231.5	112.4	30.6	0.0
-15°	623.8	484.5	358.0	227.7	110.6	30.2	0.0
-17.5°	612.8	476.4	351.3	223.1	108.5	29.9	0.0
-20°	600.1	467.2	343.6	217.8	106.1	29.4	0.0

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

Scaled Data Report



REPORT NUMBER: P645424 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3C-740-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	585.8	456.7	334.9	211.9	103.4	28.9	0.0
-25°	570.0	445.2	325.2	205.4	100.4	28.4	0.0
-27.5°	552.6	432.5	314.6	198.2	97.1	27.8	0.0
-30°	533.7	418.6	303.1	190.3	93.6	27.1	0.0
-32.5°	513.4	403.8	290.7	181.9	89.7	26.4	0.0
-35°	493.5	387.9	277.4	172.8	85.6	25.6	0.0
-37.5°	473.1	370.7	263.2	163.2	81.2	24.8	0.0
-40°	451.6	351.9	248.3	153.0	76.5	24.0	0.0
-42.5°	428.9	332.2	233.2	142.3	71.6	23.1	0.0
-45°	405.2	311.5	218.2	131.1	66.5	22.1	0.0
-47.5°	380.5	290.0	202.6	119.3	61.1	21.1	0.0
-50°	353.7	267.5	186.3	110.0	55.5	20.1	0.0
-52.5°	325.8	244.3	169.4	101.3	49.7	19.1	0.0
-55°	297.0	222.1	151.9	92.4	43.7	17.9	0.0
-57.5°	267.3	199.6	133.9	83.1	37.6	16.8	0.0
-60°	237.2	176.6	115.8	73.6	31.3	15.6	0.0
-62.5°	208.8	152.9	102.8	63.8	28.9	14.4	0.0
-65°	179.9	128.7	89.5	53.8	26.4	13.2	0.0
-67.5°	150.3	107.9	75.9	43.7	23.9	12.0	0.0
-70°	120.3	90.7	62.1	33.3	21.4	10.7	0.0
-72.5°	98.1	73.2	48.1	28.2	18.8	9.4	0.0
-75°	76.9	55.5	33.9	24.2	16.2	8.1	0.0
-77.5°	55.5	37.6	27.0	20.3	13.5	6.8	0.0
-80°	33.9	27.0	21.6	16.3	10.9	5.4	0.0
-82.5°	24.2	20.3	16.3	12.2	8.2	4.1	0.0
-85°	16.2	13.5	10.9	8.2	5.4	2.7	0.0
-87.5°	8.1	6.8	5.4	4.1	2.7	1.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)