

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: P627261 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3E-727-U-VWR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P627261 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA3E-727-U-VWR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N68  
Light Source: (48) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

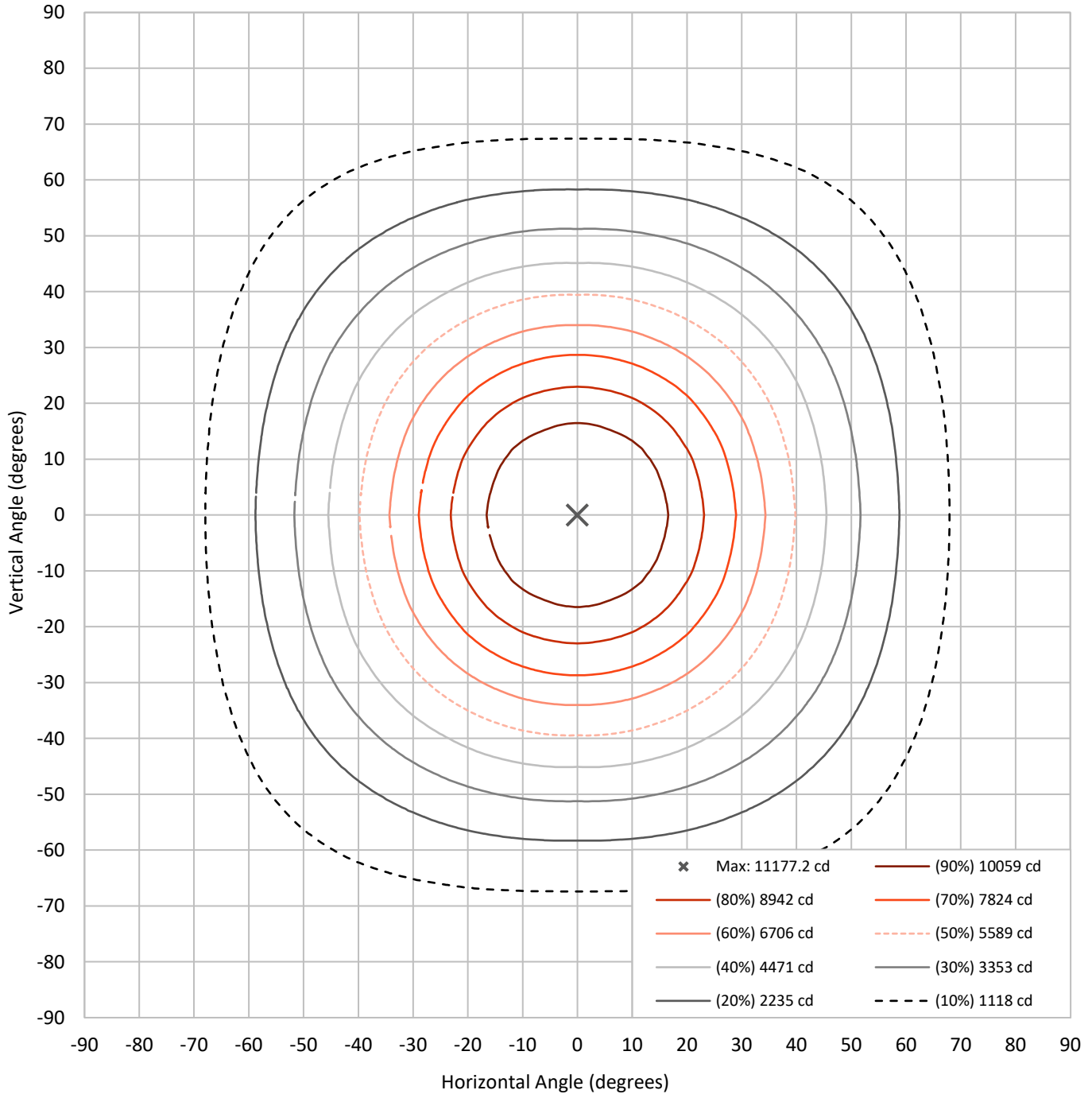
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	20201.8 lumens	Max Intensity:	11177.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	109.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	11848.4 lumens	Field Lumens:	19258.9 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	185.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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### Iso-Candela Plot





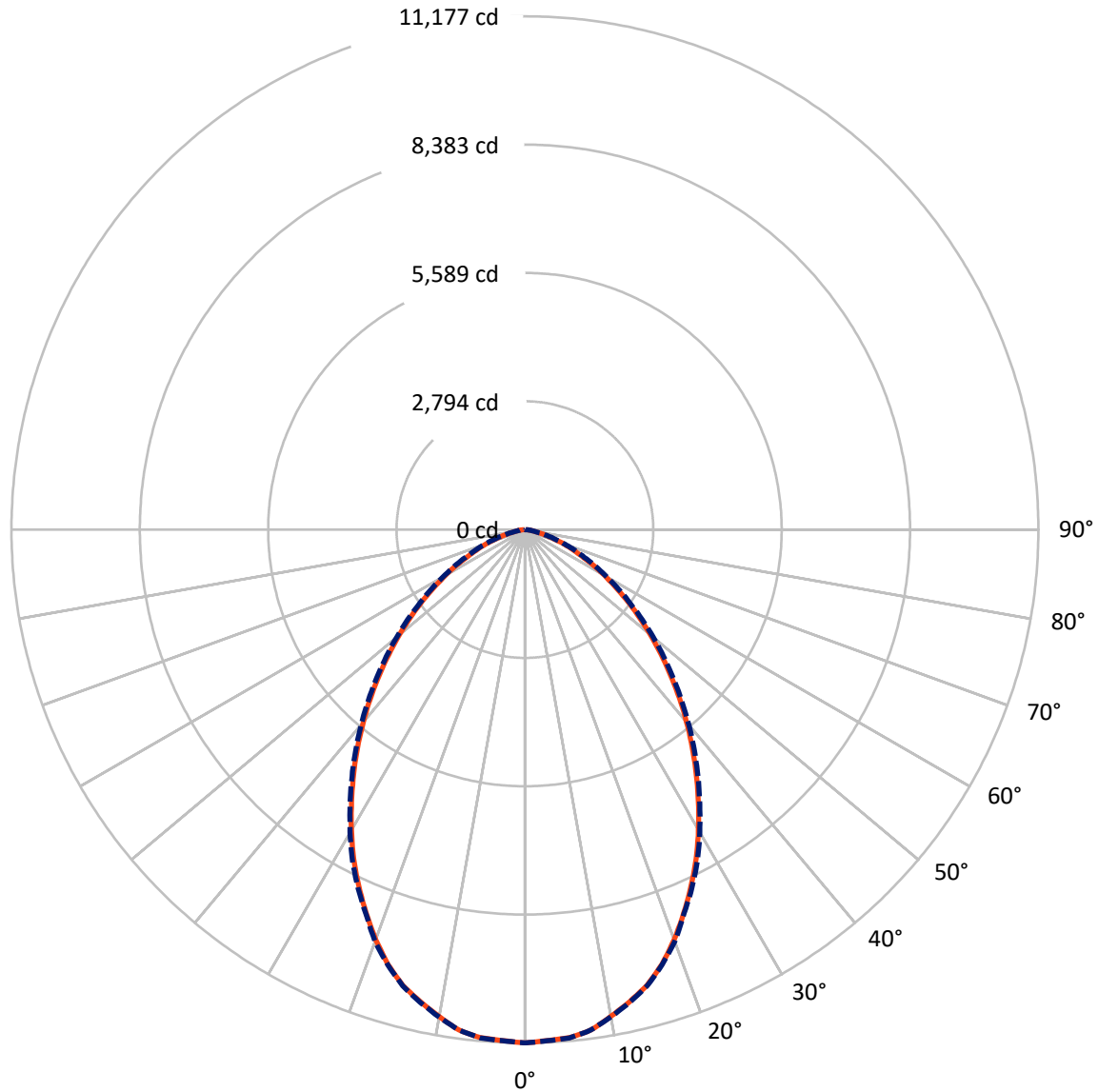
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### Lumen Table

90																			
80	0.7	8.3	22.5	38.3	36.1	38.3	22.5	8.3	0.7										
70																			
60	3.7	5.2	10.5	17.8	26.1	33.7	39.4	42.1	42.1	39.4	33.7	26.1	17.8	10.5	5.2	3.7			
50		7.8	17.0	30.3	45.9	62.4	75.9	83.0	83.0	75.9	62.4	45.9	30.3	17.0	7.8				
40	6.6	10.4	24.6	45.4	71.8	99.6	122.9	135.6	135.6	122.9	99.6	71.8	45.4	24.6	10.4	6.6			
30		13.2	32.5	62.4	100.6	141.0	175.6	195.2	195.2	175.6	141.0	100.6	62.4	32.5	13.2				
20	8.5	15.8	40.0	78.5	128.1	181.8	228.7	255.6	255.6	228.7	181.8	128.1	78.5	40.0	15.8	8.5			
10		17.8	45.8	90.5	149.5	214.9	272.5	305.3	305.3	272.5	214.9	149.5	90.5	45.8	17.8				
0	9.2	18.9	49.0	97.4	161.4	233.2	296.2	330.7	330.7	296.2	233.2	161.4	97.4	49.0	18.9	9.2			
-10		18.9	49.0	97.4	161.4	233.2	296.2	330.7	330.7	296.2	233.2	161.4	97.4	49.0	18.9				
-20	8.5	17.8	45.8	90.5	149.5	214.9	272.5	305.3	305.3	272.5	214.9	149.5	90.5	45.8	17.8	8.5			
-30		15.8	40.0	78.5	128.1	181.8	228.7	255.6	255.6	228.7	181.8	128.1	78.5	40.0	15.8				
-40	6.6	13.2	32.5	62.4	100.6	141.0	175.6	195.2	195.2	175.6	141.0	100.6	62.4	32.5	13.2	6.6			
-50		10.4	24.6	45.4	71.8	99.6	122.9	135.6	135.6	122.9	99.6	71.8	45.4	24.6	10.4				
-60	3.7	7.8	17.0	30.3	45.9	62.4	75.9	83.0	83.0	75.9	62.4	45.9	30.3	17.0	7.8	3.7			
-70		5.2	10.5	17.8	26.1	33.7	39.4	42.1	42.1	39.4	33.7	26.1	17.8	10.5	5.2				
-80	0.7	8.3	22.5	38.3	36.1	38.3	22.5	8.3	0.7										
-90																			
	-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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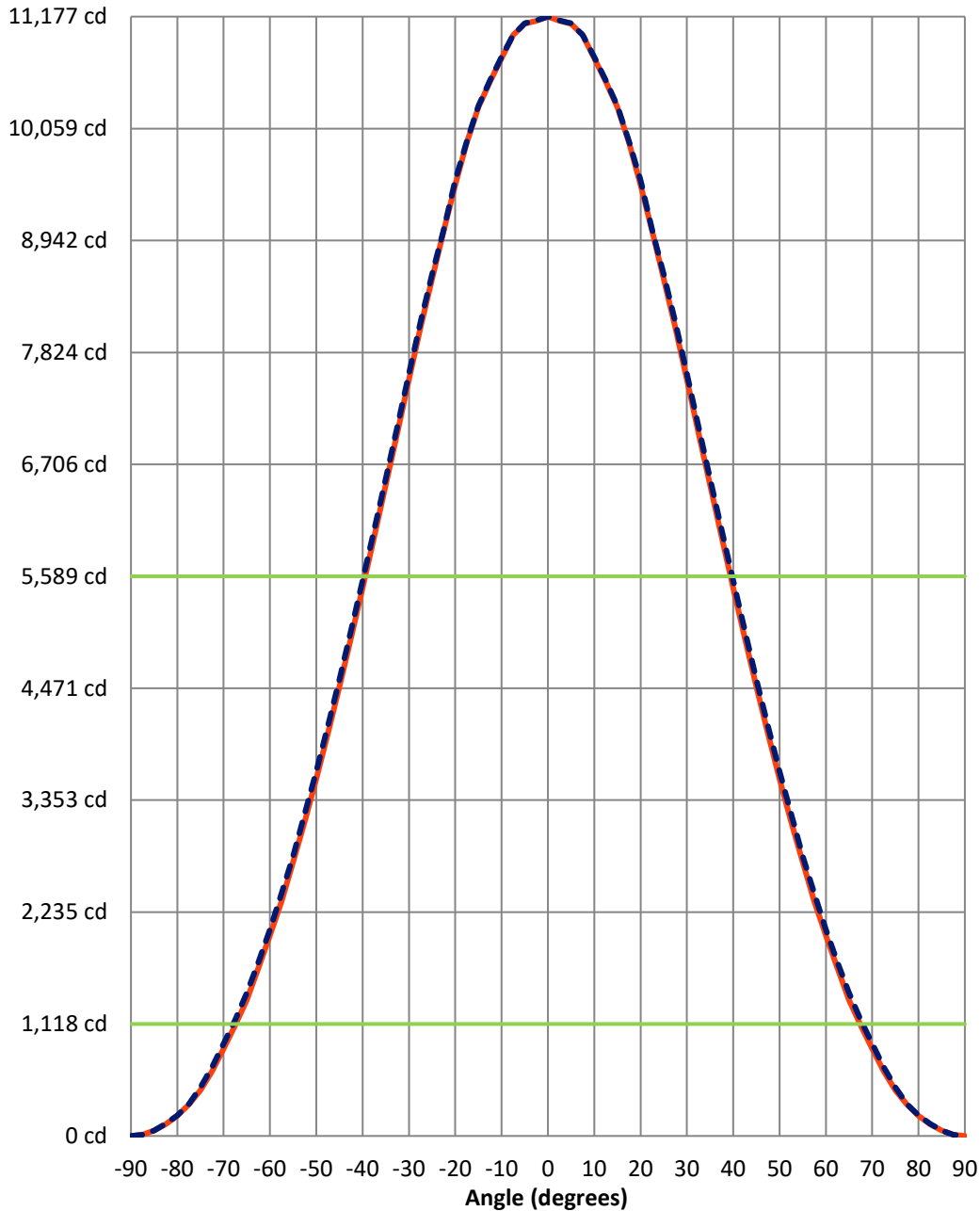
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 79.6°  
 V Angle: 78.9°  
 Lumens: 11848.4  
 Efficiency: 58.7%

**Field:**  
 H Angle: 135.9°  
 V Angle: 134.8°  
 Lumens: 19258.9  
 Efficiency: 95.3%

**Spill:**  
 Lumens: 942.8  
 Efficiency: 4.7%

— Vertical Distribution through 0-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	0.6	1.5	2.2	2.9	3.6	4.3	5.1	5.7	6.4	7.1
85°	0.0	1.3	2.9	4.4	5.8	7.3	8.7	10.1	11.5	12.8	14.2
82.5°	0.0	1.9	4.4	6.6	8.7	10.9	13.0	15.1	18.9	29.7	40.1
80°	0.0	2.5	5.8	8.7	11.6	14.5	19.6	34.8	49.4	63.5	77.0
77.5°	0.0	3.2	7.2	10.9	14.5	22.7	42.6	61.7	79.8	97.1	118.5
75°	0.0	3.8	8.6	13.0	18.9	39.2	65.0	88.5	111.0	142.1	175.0
72.5°	0.0	4.4	10.0	15.1	30.0	55.2	86.7	117.3	152.7	190.4	230.4
70°	0.0	5.0	11.3	18.1	40.8	70.7	108.5	151.8	193.5	237.9	289.9
67.5°	0.0	5.6	12.6	24.8	51.2	85.5	134.6	185.5	233.4	289.5	349.1
65°	0.0	6.1	13.9	31.2	61.1	102.1	159.5	218.3	276.5	339.6	404.5
62.5°	0.0	6.7	15.1	37.3	70.5	120.3	183.2	252.6	318.1	387.4	454.1
60°	0.0	7.2	16.2	43.1	79.3	137.5	205.6	286.6	358.2	432.2	503.0
57.5°	0.0	7.7	19.5	48.5	91.1	153.7	229.1	318.3	397.7	476.2	549.3
55°	0.0	8.2	22.7	53.6	102.3	168.7	251.4	345.7	436.6	518.7	593.7
52.5°	0.0	8.7	25.7	58.3	112.7	183.0	272.0	374.1	474.5	557.8	637.0
50°	0.0	9.1	28.6	62.6	122.4	198.2	290.9	401.2	510.6	595.8	686.7
47.5°	0.0	9.6	31.4	67.1	131.1	212.0	308.6	426.3	543.2	632.5	735.3
45°	0.0	10.0	34.1	72.9	139.0	224.5	328.3	449.5	568.6	674.1	781.9
42.5°	0.0	10.3	36.6	78.2	146.0	235.6	346.4	470.8	593.0	713.9	836.7
40°	0.0	10.7	39.0	83.6	153.0	245.3	362.8	491.0	618.2	751.1	890.1
37.5°	0.0	11.0	41.2	88.9	160.0	253.6	377.4	510.1	646.6	786.5	940.2
35°	0.0	11.3	43.2	93.9	166.0	263.1	390.4	528.1	674.2	827.2	990.6
32.5°	0.0	11.6	45.1	98.4	170.9	272.7	402.3	545.0	701.1	866.3	1044.1
30°	0.0	11.8	46.9	102.6	174.9	280.9	414.8	561.9	727.0	903.7	1094.1
27.5°	0.0	12.0	48.4	106.4	180.9	287.7	426.0	581.5	753.6	939.3	1140.4
25°	0.0	12.2	49.8	109.8	186.5	293.0	435.8	599.7	781.4	975.4	1183.3
22.5°	0.0	12.4	51.0	112.8	191.5	298.4	444.2	616.4	807.0	1009.6	1228.9
20°	0.0	12.5	52.1	115.4	195.7	305.9	451.2	631.4	830.2	1040.2	1269.9
17.5°	0.0	12.6	53.0	117.6	199.3	311.9	459.9	644.6	850.9	1067.0	1306.0
15°	0.0	12.7	53.7	119.4	202.2	316.6	468.9	657.2	868.8	1090.0	1337.1
12.5°	0.0	12.7	54.3	120.7	204.4	320.1	476.3	669.0	885.1	1109.1	1363.2
10°	0.0	12.8	54.6	121.7	205.9	322.2	481.9	678.1	899.2	1127.0	1385.1
7.5°	0.0	12.8	54.9	122.2	206.8	323.0	485.7	684.5	910.0	1141.4	1404.1
5°	0.0	12.7	54.9	122.4	206.9	322.6	487.7	688.2	917.4	1151.9	1417.7
2.5°	0.0	12.7	54.8	122.1	206.4	321.1	487.8	689.0	921.4	1158.3	1425.9
0°	0.0	12.6	54.5	121.5	205.3	318.4	486.0	687.1	921.7	1160.4	1428.6
-2.5°	0.0	12.7	54.8	122.1	206.4	321.1	487.8	689.0	921.4	1158.3	1425.9
-5°	0.0	12.7	54.9	122.4	206.9	322.6	487.7	688.2	917.4	1151.9	1417.7
-7.5°	0.0	12.8	54.9	122.2	206.8	323.0	485.7	684.5	910.0	1141.4	1404.1
-10°	0.0	12.8	54.6	121.7	205.9	322.2	481.9	678.1	899.2	1127.0	1385.1
-12.5°	0.0	12.7	54.3	120.7	204.4	320.1	476.3	669.0	885.1	1109.1	1363.2
-15°	0.0	12.7	53.7	119.4	202.2	316.6	468.9	657.2	868.8	1090.0	1337.1
-17.5°	0.0	12.6	53.0	117.6	199.3	311.9	459.9	644.6	850.9	1067.0	1306.0
-20°	0.0	12.5	52.1	115.4	195.7	305.9	451.2	631.4	830.2	1040.2	1269.9

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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	12.4	51.0	112.8	191.5	298.4	444.2	616.4	807.0	1009.6	1228.9
-25°	0.0	12.2	49.8	109.8	186.5	293.0	435.8	599.7	781.4	975.4	1183.3
-27.5°	0.0	12.0	48.4	106.4	180.9	287.7	426.0	581.5	753.6	939.3	1140.4
-30°	0.0	11.8	46.9	102.6	174.9	280.9	414.8	561.9	727.0	903.7	1094.1
-32.5°	0.0	11.6	45.1	98.4	170.9	272.7	402.3	545.0	701.1	866.3	1044.1
-35°	0.0	11.3	43.2	93.9	166.0	263.1	390.4	528.1	674.2	827.2	990.6
-37.5°	0.0	11.0	41.2	88.9	160.0	253.6	377.4	510.1	646.6	786.5	940.2
-40°	0.0	10.7	39.0	83.6	153.0	245.3	362.8	491.0	618.2	751.1	890.1
-42.5°	0.0	10.3	36.6	78.2	146.0	235.6	346.4	470.8	593.0	713.9	836.7
-45°	0.0	10.0	34.1	72.9	139.0	224.5	328.3	449.5	568.6	674.1	781.9
-47.5°	0.0	9.6	31.4	67.1	131.1	212.0	308.6	426.3	543.2	632.5	735.3
-50°	0.0	9.1	28.6	62.6	122.4	198.2	290.9	401.2	510.6	595.8	686.7
-52.5°	0.0	8.7	25.7	58.3	112.7	183.0	272.0	374.1	474.5	557.8	637.0
-55°	0.0	8.2	22.7	53.6	102.3	168.7	251.4	345.7	436.6	518.7	593.7
-57.5°	0.0	7.7	19.5	48.5	91.1	153.7	229.1	318.3	397.7	476.2	549.3
-60°	0.0	7.2	16.2	43.1	79.3	137.5	205.6	286.6	358.2	432.2	503.0
-62.5°	0.0	6.7	15.1	37.3	70.5	120.3	183.2	252.6	318.1	387.4	454.1
-65°	0.0	6.1	13.9	31.2	61.1	102.1	159.5	218.3	276.5	339.6	404.5
-67.5°	0.0	5.6	12.6	24.8	51.2	85.5	134.6	185.5	233.4	289.5	349.1
-70°	0.0	5.0	11.3	18.1	40.8	70.7	108.5	151.8	193.5	237.9	289.9
-72.5°	0.0	4.4	10.0	15.1	30.0	55.2	86.7	117.3	152.7	190.4	230.4
-75°	0.0	3.8	8.6	13.0	18.9	39.2	65.0	88.5	111.0	142.1	175.0
-77.5°	0.0	3.2	7.2	10.9	14.5	22.7	42.6	61.7	79.8	97.1	118.5
-80°	0.0	2.5	5.8	8.7	11.6	14.5	19.6	34.8	49.4	63.5	77.0
-82.5°	0.0	1.9	4.4	6.6	8.7	10.9	13.0	15.1	18.9	29.7	40.1
-85°	0.0	1.3	2.9	4.4	5.8	7.3	8.7	10.1	11.5	12.8	14.2
-87.5°	0.0	0.6	1.5	2.2	2.9	3.6	4.3	5.1	5.7	6.4	7.1
-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°	8.2	9.4	10.7	12.0	12.1	12.1	12.0	11.9	12.4	12.9	13.3
85°	16.4	18.8	26.1	33.1	36.5	38.7	39.6	39.5	45.9	53.3	61.4
82.5°	51.0	61.5	71.5	81.0	83.5	83.5	82.7	83.0	98.1	115.3	133.0
80°	90.7	104.0	121.7	137.4	144.2	147.7	149.4	149.1	168.2	193.6	220.3
77.5°	144.0	166.4	185.9	202.5	211.5	219.4	225.8	230.8	255.3	287.4	319.2
75°	204.6	229.2	253.7	275.0	289.9	301.0	311.3	327.9	359.9	397.4	430.0
72.5°	268.6	300.0	327.3	350.4	371.4	393.6	418.4	445.7	479.5	516.9	551.0
70°	337.0	371.5	400.1	428.0	456.5	489.7	527.0	563.7	601.5	642.8	682.5
67.5°	403.8	437.2	470.8	506.0	548.6	593.1	637.2	687.8	739.6	785.5	826.5
65°	461.9	501.0	543.0	590.7	643.4	700.0	758.9	819.6	885.3	940.3	990.5
62.5°	517.4	564.4	615.4	674.9	742.1	809.1	884.2	960.2	1034.1	1099.0	1159.0
60°	568.5	625.4	690.0	762.9	841.4	930.4	1015.9	1102.4	1183.4	1256.9	1332.7
57.5°	618.2	689.8	767.3	854.9	954.1	1054.2	1154.7	1247.6	1339.4	1428.9	1514.6
55°	670.8	757.1	849.4	956.8	1068.6	1186.9	1295.2	1398.9	1500.1	1608.7	1711.9
52.5°	728.7	825.1	940.6	1060.8	1190.0	1317.0	1435.9	1554.1	1676.3	1799.3	1933.7
50°	784.6	904.8	1031.3	1171.1	1310.7	1446.8	1583.1	1719.2	1865.7	2016.5	2168.8
47.5°	849.9	981.0	1130.5	1280.4	1432.9	1584.4	1736.3	1900.8	2067.2	2242.1	2410.5
45°	915.9	1063.4	1224.5	1394.0	1558.9	1726.6	1904.2	2086.1	2281.2	2473.5	2676.2
42.5°	978.5	1145.2	1322.8	1505.9	1689.3	1876.6	2072.0	2284.4	2497.6	2719.4	2942.2
40°	1047.9	1223.1	1418.9	1620.5	1819.6	2027.2	2250.5	2480.6	2721.8	2965.7	3207.6
37.5°	1114.6	1307.2	1513.0	1730.0	1953.4	2181.6	2424.0	2685.2	2946.8	3209.3	3476.0
35°	1177.1	1386.9	1609.8	1840.2	2077.1	2336.7	2607.7	2886.5	3169.9	3453.8	3740.7
32.5°	1241.4	1462.1	1702.3	1948.9	2209.9	2488.3	2785.1	3087.3	3389.2	3692.3	4006.4
30°	1305.8	1540.9	1791.9	2051.7	2337.2	2640.5	2959.6	3279.6	3598.9	3932.5	4267.2
27.5°	1366.6	1615.7	1880.0	2157.9	2459.2	2781.5	3120.3	3463.1	3807.5	4162.1	4519.1
25°	1422.6	1686.5	1961.7	2260.2	2579.4	2917.1	3270.1	3627.8	4005.5	4384.9	4757.7
22.5°	1477.3	1751.5	2037.4	2354.3	2688.5	3043.0	3410.6	3788.4	4183.0	4590.5	4976.3
20°	1529.8	1813.5	2111.0	2439.7	2786.1	3156.4	3538.4	3933.9	4347.9	4766.3	5181.3
17.5°	1576.5	1868.6	2179.6	2519.5	2879.3	3260.1	3653.4	4061.9	4494.4	4928.1	5367.9
15°	1617.1	1916.5	2239.0	2589.2	2961.6	3354.3	3760.2	4180.4	4624.0	5075.6	5532.7
12.5°	1651.5	1957.1	2289.0	2648.4	3031.5	3435.1	3852.0	4287.0	4742.5	5206.7	5677.2
10°	1679.5	1990.2	2329.5	2696.7	3088.5	3502.0	3927.6	4374.8	4844.0	5318.4	5798.6
7.5°	1703.2	2017.8	2361.6	2734.1	3132.5	3554.2	3986.5	4443.3	4924.8	5405.4	5896.2
5°	1720.5	2040.2	2391.1	2765.3	3170.8	3595.1	4031.1	4492.2	4983.9	5467.3	5966.9
2.5°	1730.9	2054.7	2411.1	2785.6	3200.8	3625.7	4070.7	4535.3	5027.3	5516.5	6020.1
0°	1734.4	2061.2	2421.4	2794.3	3217.4	3640.5	4093.0	4558.0	5048.2	5546.7	6053.6
-2.5°	1730.9	2054.7	2411.1	2785.6	3200.8	3625.7	4070.7	4535.3	5027.3	5516.5	6020.1
-5°	1720.5	2040.2	2391.1	2765.3	3170.8	3595.1	4031.1	4492.2	4983.9	5467.3	5966.9
-7.5°	1703.2	2017.8	2361.6	2734.1	3132.5	3554.2	3986.5	4443.3	4924.8	5405.4	5896.2
-10°	1679.5	1990.2	2329.5	2696.7	3088.5	3502.0	3927.6	4374.8	4844.0	5318.4	5798.6
-12.5°	1651.5	1957.1	2289.0	2648.4	3031.5	3435.1	3852.0	4287.0	4742.5	5206.7	5677.2
-15°	1617.1	1916.5	2239.0	2589.2	2961.6	3354.3	3760.2	4180.4	4624.0	5075.6	5532.7
-17.5°	1576.5	1868.6	2179.6	2519.5	2879.3	3260.1	3653.4	4061.9	4494.4	4928.1	5367.9
-20°	1529.8	1813.5	2111.0	2439.7	2786.1	3156.4	3538.4	3933.9	4347.9	4766.3	5181.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627261 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-727-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1477.3	1751.5	2037.4	2354.3	2688.5	3043.0	3410.6	3788.4	4183.0	4590.5	4976.3
-25°	1422.6	1686.5	1961.7	2260.2	2579.4	2917.1	3270.1	3627.8	4005.5	4384.9	4757.7
-27.5°	1366.6	1615.7	1880.0	2157.9	2459.2	2781.5	3120.3	3463.1	3807.5	4162.1	4519.1
-30°	1305.8	1540.9	1791.9	2051.7	2337.2	2640.5	2959.6	3279.6	3598.9	3932.5	4267.2
-32.5°	1241.4	1462.1	1702.3	1948.9	2209.9	2488.3	2785.1	3087.3	3389.2	3692.3	4006.4
-35°	1177.1	1386.9	1609.8	1840.2	2077.1	2336.7	2607.7	2886.5	3169.9	3453.8	3740.7
-37.5°	1114.6	1307.2	1513.0	1730.0	1953.4	2181.6	2424.0	2685.2	2946.8	3209.3	3476.0
-40°	1047.9	1223.1	1418.9	1620.5	1819.6	2027.2	2250.5	2480.6	2721.8	2965.7	3207.6
-42.5°	978.5	1145.2	1322.8	1505.9	1689.3	1876.6	2072.0	2284.4	2497.6	2719.4	2942.2
-45°	915.9	1063.4	1224.5	1394.0	1558.9	1726.6	1904.2	2086.1	2281.2	2473.5	2676.2
-47.5°	849.9	981.0	1130.5	1280.4	1432.9	1584.4	1736.3	1900.8	2067.2	2242.1	2410.5
-50°	784.6	904.8	1031.3	1171.1	1310.7	1446.8	1583.1	1719.2	1865.7	2016.5	2168.8
-52.5°	728.7	825.1	940.6	1060.8	1190.0	1317.0	1435.9	1554.1	1676.3	1799.3	1933.7
-55°	670.8	757.1	849.4	956.8	1068.6	1186.9	1295.2	1398.9	1500.1	1608.7	1711.9
-57.5°	618.2	689.8	767.3	854.9	954.1	1054.2	1154.7	1247.6	1339.4	1428.9	1514.6
-60°	568.5	625.4	690.0	762.9	841.4	930.4	1015.9	1102.4	1183.4	1256.9	1332.7
-62.5°	517.4	564.4	615.4	674.9	742.1	809.1	884.2	960.2	1034.1	1099.0	1159.0
-65°	461.9	501.0	543.0	590.7	643.4	700.0	758.9	819.6	885.3	940.3	990.5
-67.5°	403.8	437.2	470.8	506.0	548.6	593.1	637.2	687.8	739.6	785.5	826.5
-70°	337.0	371.5	400.1	428.0	456.5	489.7	527.0	563.7	601.5	642.8	682.5
-72.5°	268.6	300.0	327.3	350.4	371.4	393.6	418.4	445.7	479.5	516.9	551.0
-75°	204.6	229.2	253.7	275.0	289.9	301.0	311.3	327.9	359.9	397.4	430.0
-77.5°	144.0	166.4	185.9	202.5	211.5	219.4	225.8	230.8	255.3	287.4	319.2
-80°	90.7	104.0	121.7	137.4	144.2	147.7	149.4	149.1	168.2	193.6	220.3
-82.5°	51.0	61.5	71.5	81.0	83.5	83.5	82.7	83.0	98.1	115.3	133.0
-85°	16.4	18.8	26.1	33.1	36.5	38.7	39.6	39.5	45.9	53.3	61.4
-87.5°	8.2	9.4	10.7	12.0	12.1	12.1	12.0	11.9	12.4	12.9	13.3
-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: P627261 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-727-U-VWR-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°	13.8	14.2	14.5	14.9	15.2	15.5	15.8	16.0	16.2	15.4	14.5
85°	70.0	74.9	79.5	84.0	88.2	92.2	95.9	99.4	102.6	93.7	83.9
82.5°	151.1	163.2	174.8	186.2	197.6	200.5	201.4	201.0	199.4	183.8	166.5
80°	246.7	267.2	286.6	305.8	324.7	326.9	324.7	320.8	315.3	294.8	271.6
77.5°	351.0	376.8	399.5	420.2	439.0	442.6	442.1	441.2	439.6	418.7	393.4
75°	457.9	483.2	507.6	528.3	545.6	553.6	557.5	560.2	561.8	546.7	527.1
72.5°	581.9	608.2	629.7	649.9	666.9	679.2	688.1	694.8	699.3	694.8	686.7
70°	716.4	744.7	768.4	791.2	814.3	832.8	846.8	856.9	863.4	867.6	870.5
67.5°	867.9	905.8	938.8	967.1	995.0	1021.3	1042.8	1060.4	1073.9	1085.5	1094.3
65°	1038.5	1087.0	1129.9	1169.4	1205.5	1243.5	1274.7	1300.9	1321.9	1339.3	1353.3
62.5°	1218.0	1277.4	1332.5	1386.0	1438.4	1490.0	1529.6	1565.7	1597.7	1625.3	1647.3
60°	1404.5	1471.9	1545.9	1616.5	1681.5	1740.9	1799.8	1850.9	1894.6	1930.8	1960.1
57.5°	1604.9	1692.2	1778.6	1866.4	1949.3	2026.8	2099.4	2163.4	2217.5	2261.9	2299.2
55°	1821.3	1930.6	2030.9	2141.6	2248.4	2345.8	2431.5	2506.8	2571.9	2626.4	2672.7
52.5°	2059.4	2192.1	2322.4	2448.3	2569.7	2682.6	2785.2	2872.9	2950.8	3017.7	3071.1
50°	2319.8	2471.7	2622.7	2762.8	2902.2	3032.4	3149.9	3251.7	3342.5	3421.0	3482.9
47.5°	2592.3	2765.2	2933.8	3094.1	3248.4	3393.0	3520.3	3636.3	3749.5	3841.8	3914.8
45°	2875.1	3069.1	3255.1	3438.4	3608.3	3770.4	3927.5	4071.9	4188.1	4289.7	4375.1
42.5°	3161.4	3377.7	3586.1	3786.0	3972.8	4160.3	4337.0	4494.9	4627.4	4743.0	4840.0
40°	3451.4	3688.2	3917.8	4135.7	4349.4	4553.8	4744.9	4911.5	5060.8	5198.1	5312.5
37.5°	3740.0	4000.5	4254.8	4499.1	4734.3	4955.6	5162.2	5350.4	5518.9	5675.3	5802.4
35°	4029.8	4315.7	4594.0	4862.8	5119.7	5364.1	5590.2	5804.3	6002.9	6161.4	6291.3
32.5°	4318.6	4625.9	4928.8	5224.7	5505.9	5769.3	6014.3	6250.9	6455.3	6629.4	6778.8
30°	4597.9	4930.9	5260.8	5581.5	5885.3	6170.7	6442.0	6692.2	6912.0	7102.4	7270.0
27.5°	4872.1	5229.8	5583.7	5926.4	6254.9	6565.0	6861.0	7132.4	7372.2	7579.2	7755.9
25°	5131.2	5515.6	5892.9	6256.3	6607.1	6949.3	7268.9	7565.0	7821.1	8048.4	8230.0
22.5°	5378.8	5788.7	6185.2	6567.4	6942.7	7311.4	7661.4	7970.6	8242.0	8479.6	8680.6
20°	5609.4	6048.7	6454.3	6858.6	7253.9	7647.6	8023.3	8349.5	8636.8	8889.6	9111.2
17.5°	5825.0	6275.6	6702.7	7133.1	7549.7	7962.8	8344.5	8694.1	9004.0	9272.6	9504.6
15°	6007.5	6462.6	6929.0	7388.5	7827.8	8246.1	8627.5	8992.7	9336.8	9627.2	9862.5
12.5°	6155.3	6628.5	7115.1	7602.9	8067.6	8485.3	8884.6	9255.0	9616.4	9942.7	10159.0
10°	6281.2	6768.5	7270.9	7768.3	8239.2	8681.2	9115.3	9507.0	9862.1	10154.3	10395.8
7.5°	6390.1	6892.1	7402.3	7900.6	8369.8	8826.5	9273.4	9689.4	10047.9	10323.2	10538.6
5°	6470.4	6984.4	7504.4	8007.3	8483.1	8941.2	9390.2	9800.9	10150.9	10431.0	10665.9
2.5°	6527.9	7046.7	7570.4	8074.0	8560.4	9019.7	9479.8	9895.2	10234.1	10490.7	10715.6
0°	6564.7	7084.2	7612.0	8127.3	8604.9	9049.0	9543.3	9932.9	10284.9	10540.4	10775.0
-2.5°	6527.9	7046.7	7570.4	8074.0	8560.4	9019.7	9479.8	9895.2	10234.1	10490.7	10715.6
-5°	6470.4	6984.4	7504.4	8007.3	8483.1	8941.2	9390.2	9800.9	10150.9	10431.0	10665.9
-7.5°	6390.1	6892.1	7402.3	7900.6	8369.8	8826.5	9273.4	9689.4	10047.9	10323.2	10538.6
-10°	6281.2	6768.5	7270.9	7768.3	8239.2	8681.2	9115.3	9507.0	9862.1	10154.3	10395.8
-12.5°	6155.3	6628.5	7115.1	7602.9	8067.6	8485.3	8884.6	9255.0	9616.4	9942.7	10159.0
-15°	6007.5	6462.6	6929.0	7388.5	7827.8	8246.1	8627.5	8992.7	9336.8	9627.2	9862.5
-17.5°	5825.0	6275.6	6702.7	7133.1	7549.7	7962.8	8344.5	8694.1	9004.0	9272.6	9504.6
-20°	5609.4	6048.7	6454.3	6858.6	7253.9	7647.6	8023.3	8349.5	8636.8	8889.6	9111.2



REPORT NUMBER: P627261 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-727-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5378.8	5788.7	6185.2	6567.4	6942.7	7311.4	7661.4	7970.6	8242.0	8479.6	8680.6
-25°	5131.2	5515.6	5892.9	6256.3	6607.1	6949.3	7268.9	7565.0	7821.1	8048.4	8230.0
-27.5°	4872.1	5229.8	5583.7	5926.4	6254.9	6565.0	6861.0	7132.4	7372.2	7579.2	7755.9
-30°	4597.9	4930.9	5260.8	5581.5	5885.3	6170.7	6442.0	6692.2	6912.0	7102.4	7270.0
-32.5°	4318.6	4625.9	4928.8	5224.7	5505.9	5769.3	6014.3	6250.9	6455.3	6629.4	6778.8
-35°	4029.8	4315.7	4594.0	4862.8	5119.7	5364.1	5590.2	5804.3	6002.9	6161.4	6291.3
-37.5°	3740.0	4000.5	4254.8	4499.1	4734.3	4955.6	5162.2	5350.4	5518.9	5675.3	5802.4
-40°	3451.4	3688.2	3917.8	4135.7	4349.4	4553.8	4744.9	4911.5	5060.8	5198.1	5312.5
-42.5°	3161.4	3377.7	3586.1	3786.0	3972.8	4160.3	4337.0	4494.9	4627.4	4743.0	4840.0
-45°	2875.1	3069.1	3255.1	3438.4	3608.3	3770.4	3927.5	4071.9	4188.1	4289.7	4375.1
-47.5°	2592.3	2765.2	2933.8	3094.1	3248.4	3393.0	3520.3	3636.3	3749.5	3841.8	3914.8
-50°	2319.8	2471.7	2622.7	2762.8	2902.2	3032.4	3149.9	3251.7	3342.5	3421.0	3482.9
-52.5°	2059.4	2192.1	2322.4	2448.3	2569.7	2682.6	2785.2	2872.9	2950.8	3017.7	3071.1
-55°	1821.3	1930.6	2030.9	2141.6	2248.4	2345.8	2431.5	2506.8	2571.9	2626.4	2672.7
-57.5°	1604.9	1692.2	1778.6	1866.4	1949.3	2026.8	2099.4	2163.4	2217.5	2261.9	2299.2
-60°	1404.5	1471.9	1545.9	1616.5	1681.5	1740.9	1799.8	1850.9	1894.6	1930.8	1960.1
-62.5°	1218.0	1277.4	1332.5	1386.0	1438.4	1490.0	1529.6	1565.7	1597.7	1625.3	1647.3
-65°	1038.5	1087.0	1129.9	1169.4	1205.5	1243.5	1274.7	1300.9	1321.9	1339.3	1353.3
-67.5°	867.9	905.8	938.8	967.1	995.0	1021.3	1042.8	1060.4	1073.9	1085.5	1094.3
-70°	716.4	744.7	768.4	791.2	814.3	832.8	846.8	856.9	863.4	867.6	870.5
-72.5°	581.9	608.2	629.7	649.9	666.9	679.2	688.1	694.8	699.3	694.8	686.7
-75°	457.9	483.2	507.6	528.3	545.6	553.6	557.5	560.2	561.8	546.7	527.1
-77.5°	351.0	376.8	399.5	420.2	439.0	442.6	442.1	441.2	439.6	418.7	393.4
-80°	246.7	267.2	286.6	305.8	324.7	326.9	324.7	320.8	315.3	294.8	271.6
-82.5°	151.1	163.2	174.8	186.2	197.6	200.5	201.4	201.0	199.4	183.8	166.5
-85°	70.0	74.9	79.5	84.0	88.2	92.2	95.9	99.4	102.6	93.7	83.9
-87.5°	13.8	14.2	14.5	14.9	15.2	15.5	15.8	16.0	16.2	15.4	14.5
-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: P627261 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-727-U-VWR-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°	13.5	12.6	12.6	12.6	12.6	12.6	13.5	14.5	15.4	16.2	16.0
85°	73.4	62.5	58.6	54.5	58.6	62.5	73.4	83.9	93.7	102.6	99.4
82.5°	148.4	129.5	123.5	117.3	123.5	129.5	148.4	166.5	183.8	199.4	201.0
80°	247.0	221.4	211.4	201.1	211.4	221.4	247.0	271.6	294.8	315.3	320.8
77.5°	366.6	338.5	326.5	314.2	326.5	338.5	366.6	393.4	418.7	439.6	441.2
75°	506.4	484.3	471.0	456.6	471.0	484.3	506.4	527.1	546.7	561.8	560.2
72.5°	677.5	666.8	657.1	645.2	657.1	666.8	677.5	686.7	694.8	699.3	694.8
70°	871.5	870.2	871.9	871.4	871.9	870.2	871.5	870.5	867.6	863.4	856.9
67.5°	1098.9	1099.2	1103.9	1106.0	1103.9	1099.2	1098.9	1094.3	1085.5	1073.9	1060.4
65°	1361.9	1365.1	1363.9	1357.3	1363.9	1365.1	1361.9	1353.3	1339.3	1321.9	1300.9
62.5°	1662.9	1671.9	1676.9	1675.7	1676.9	1671.9	1662.9	1647.3	1625.3	1597.7	1565.7
60°	1981.9	1996.1	2003.2	2002.5	2003.2	1996.1	1981.9	1960.1	1930.8	1894.6	1850.9
57.5°	2327.0	2345.2	2349.4	2341.8	2349.4	2345.2	2327.0	2299.2	2261.9	2217.5	2163.4
55°	2707.7	2730.9	2739.9	2735.6	2739.9	2730.9	2707.7	2672.7	2626.4	2571.9	2506.8
52.5°	3110.2	3135.4	3144.3	3137.8	3144.3	3135.4	3110.2	3071.1	3017.7	2950.8	2872.9
50°	3528.3	3558.7	3571.0	3565.1	3571.0	3558.7	3528.3	3482.9	3421.0	3342.5	3251.7
47.5°	3972.0	4012.5	4028.3	4017.6	4028.3	4012.5	3972.0	3914.8	3841.8	3749.5	3636.3
45°	4438.9	4481.0	4497.3	4486.8	4497.3	4481.0	4438.9	4375.1	4289.7	4188.1	4071.9
42.5°	4914.3	4968.9	4992.0	4972.8	4992.0	4968.9	4914.3	4840.0	4743.0	4627.4	4494.9
40°	5398.0	5457.2	5484.6	5471.3	5484.6	5457.2	5398.0	5312.5	5198.1	5060.8	4911.5
37.5°	5894.1	5953.0	5982.0	5982.4	5982.0	5953.0	5894.1	5802.4	5675.3	5518.9	5350.4
35°	6392.0	6463.4	6503.8	6501.9	6503.8	6463.4	6392.0	6291.3	6161.4	6002.9	5804.3
32.5°	6896.9	6974.2	7015.5	7021.3	7015.5	6974.2	6896.9	6778.8	6629.4	6455.3	6250.9
30°	7401.0	7486.0	7533.8	7553.4	7533.8	7486.0	7401.0	7270.0	7102.4	6912.0	6692.2
27.5°	7889.8	7994.4	8066.6	8072.9	8066.6	7994.4	7889.8	7755.9	7579.2	7372.2	7132.4
25°	8363.3	8469.8	8543.8	8558.8	8543.8	8469.8	8363.3	8230.0	8048.4	7821.1	7565.0
22.5°	8829.9	8941.2	9009.5	9036.4	9009.5	8941.2	8829.9	8680.6	8479.6	8242.0	7970.6
20°	9275.3	9395.9	9468.4	9497.3	9468.4	9395.9	9275.3	9111.2	8889.6	8636.8	8349.5
17.5°	9678.2	9805.7	9895.3	9920.4	9895.3	9805.7	9678.2	9504.6	9272.6	9004.0	8694.1
15°	10032.9	10153.8	10238.8	10272.3	10238.8	10153.8	10032.9	9862.5	9627.2	9336.8	8992.7
12.5°	10321.5	10429.7	10496.2	10527.8	10496.2	10429.7	10321.5	10159.0	9942.7	9616.4	9255.0
10°	10547.0	10655.5	10719.1	10762.4	10719.1	10655.5	10547.0	10395.8	10154.3	9862.1	9507.0
7.5°	10742.7	10853.9	10931.7	10992.9	10931.7	10853.9	10742.7	10538.6	10323.2	10047.9	9689.4
5°	10850.8	11036.5	11064.4	11106.0	11064.4	11036.5	10850.8	10665.9	10431.0	10150.9	9800.9
2.5°	10933.2	11064.9	11144.0	11135.3	11144.0	11064.9	10933.2	10715.6	10490.7	10234.1	9895.2
0°	10992.9	11110.2	11139.5	11177.2	11139.5	11110.2	10992.9	10775.0	10540.4	10284.9	9932.9
-2.5°	10933.2	11064.9	11144.0	11135.3	11144.0	11064.9	10933.2	10715.6	10490.7	10234.1	9895.2
-5°	10850.8	11036.5	11064.4	11106.0	11064.4	11036.5	10850.8	10665.9	10431.0	10150.9	9800.9
-7.5°	10742.7	10853.9	10931.7	10992.9	10931.7	10853.9	10742.7	10538.6	10323.2	10047.9	9689.4
-10°	10547.0	10655.5	10719.1	10762.4	10719.1	10655.5	10547.0	10395.8	10154.3	9862.1	9507.0
-12.5°	10321.5	10429.7	10496.2	10527.8	10496.2	10429.7	10321.5	10159.0	9942.7	9616.4	9255.0
-15°	10032.9	10153.8	10238.8	10272.3	10238.8	10153.8	10032.9	9862.5	9627.2	9336.8	8992.7
-17.5°	9678.2	9805.7	9895.3	9920.4	9895.3	9805.7	9678.2	9504.6	9272.6	9004.0	8694.1
-20°	9275.3	9395.9	9468.4	9497.3	9468.4	9395.9	9275.3	9111.2	8889.6	8636.8	8349.5



REPORT NUMBER: P627261 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-727-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8829.9	8941.2	9009.5	9036.4	9009.5	8941.2	8829.9	8680.6	8479.6	8242.0	7970.6
-25°	8363.3	8469.8	8543.8	8558.8	8543.8	8469.8	8363.3	8230.0	8048.4	7821.1	7565.0
-27.5°	7889.8	7994.4	8066.6	8072.9	8066.6	7994.4	7889.8	7755.9	7579.2	7372.2	7132.4
-30°	7401.0	7486.0	7533.8	7553.4	7533.8	7486.0	7401.0	7270.0	7102.4	6912.0	6692.2
-32.5°	6896.9	6974.2	7015.5	7021.3	7015.5	6974.2	6896.9	6778.8	6629.4	6455.3	6250.9
-35°	6392.0	6463.4	6503.8	6501.9	6503.8	6463.4	6392.0	6291.3	6161.4	6002.9	5804.3
-37.5°	5894.1	5953.0	5982.0	5982.4	5982.0	5953.0	5894.1	5802.4	5675.3	5518.9	5350.4
-40°	5398.0	5457.2	5484.6	5471.3	5484.6	5457.2	5398.0	5312.5	5198.1	5060.8	4911.5
-42.5°	4914.3	4968.9	4992.0	4972.8	4992.0	4968.9	4914.3	4840.0	4743.0	4627.4	4494.9
-45°	4438.9	4481.0	4497.3	4486.8	4497.3	4481.0	4438.9	4375.1	4289.7	4188.1	4071.9
-47.5°	3972.0	4012.5	4028.3	4017.6	4028.3	4012.5	3972.0	3914.8	3841.8	3749.5	3636.3
-50°	3528.3	3558.7	3571.0	3565.1	3571.0	3558.7	3528.3	3482.9	3421.0	3342.5	3251.7
-52.5°	3110.2	3135.4	3144.3	3137.8	3144.3	3135.4	3110.2	3071.1	3017.7	2950.8	2872.9
-55°	2707.7	2730.9	2739.9	2735.6	2739.9	2730.9	2707.7	2672.7	2626.4	2571.9	2506.8
-57.5°	2327.0	2345.2	2349.4	2341.8	2349.4	2345.2	2327.0	2299.2	2261.9	2217.5	2163.4
-60°	1981.9	1996.1	2003.2	2002.5	2003.2	1996.1	1981.9	1960.1	1930.8	1894.6	1850.9
-62.5°	1662.9	1671.9	1676.9	1675.7	1676.9	1671.9	1662.9	1647.3	1625.3	1597.7	1565.7
-65°	1361.9	1365.1	1363.9	1357.3	1363.9	1365.1	1361.9	1353.3	1339.3	1321.9	1300.9
-67.5°	1098.9	1099.2	1103.9	1106.0	1103.9	1099.2	1098.9	1094.3	1085.5	1073.9	1060.4
-70°	871.5	870.2	871.9	871.4	871.9	870.2	871.5	870.5	867.6	863.4	856.9
-72.5°	677.5	666.8	657.1	645.2	657.1	666.8	677.5	686.7	694.8	699.3	694.8
-75°	506.4	484.3	471.0	456.6	471.0	484.3	506.4	527.1	546.7	561.8	560.2
-77.5°	366.6	338.5	326.5	314.2	326.5	338.5	366.6	393.4	418.7	439.6	441.2
-80°	247.0	221.4	211.4	201.1	211.4	221.4	247.0	271.6	294.8	315.3	320.8
-82.5°	148.4	129.5	123.5	117.3	123.5	129.5	148.4	166.5	183.8	199.4	201.0
-85°	73.4	62.5	58.6	54.5	58.6	62.5	73.4	83.9	93.7	102.6	99.4
-87.5°	13.5	12.6	12.6	12.6	12.6	12.6	13.5	14.5	15.4	16.2	16.0
-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: P627261 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-727-U-VWR-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°	15.8	15.5	15.2	14.9	14.5	14.2	13.8	13.3	12.9	12.4	11.9
85°	95.9	92.2	88.2	84.0	79.5	74.9	70.0	61.4	53.3	45.9	39.5
82.5°	201.4	200.5	197.6	186.2	174.8	163.2	151.1	133.0	115.3	98.1	83.0
80°	324.7	326.9	324.7	305.8	286.6	267.2	246.7	220.3	193.6	168.2	149.1
77.5°	442.1	442.6	439.0	420.2	399.5	376.8	351.0	319.2	287.4	255.3	230.8
75°	557.5	553.6	545.6	528.3	507.6	483.2	457.9	430.0	397.4	359.9	327.9
72.5°	688.1	679.2	666.9	649.9	629.7	608.2	581.9	551.0	516.9	479.5	445.7
70°	846.8	832.8	814.3	791.2	768.4	744.7	716.4	682.5	642.8	601.5	563.7
67.5°	1042.8	1021.3	995.0	967.1	938.8	905.8	867.9	826.5	785.5	739.6	687.8
65°	1274.7	1243.5	1205.5	1169.4	1129.9	1087.0	1038.5	990.5	940.3	885.3	819.6
62.5°	1529.6	1490.0	1438.4	1386.0	1332.5	1277.4	1218.0	1159.0	1099.0	1034.1	960.2
60°	1799.8	1740.9	1681.5	1616.5	1545.9	1471.9	1404.5	1332.7	1256.9	1183.4	1102.4
57.5°	2099.4	2026.8	1949.3	1866.4	1778.6	1692.2	1604.9	1514.6	1428.9	1339.4	1247.6
55°	2431.5	2345.8	2248.4	2141.6	2030.9	1930.6	1821.3	1711.9	1608.7	1500.1	1398.9
52.5°	2785.2	2682.6	2569.7	2448.3	2322.4	2192.1	2059.4	1933.7	1799.3	1676.3	1554.1
50°	3149.9	3032.4	2902.2	2762.8	2622.7	2471.7	2319.8	2168.8	2016.5	1865.7	1719.2
47.5°	3520.3	3393.0	3248.4	3094.1	2933.8	2765.2	2592.3	2410.5	2242.1	2067.2	1900.8
45°	3927.5	3770.4	3608.3	3438.4	3255.1	3069.1	2875.1	2676.2	2473.5	2281.2	2086.1
42.5°	4337.0	4160.3	3972.8	3786.0	3586.1	3377.7	3161.4	2942.2	2719.4	2497.6	2284.4
40°	4744.9	4553.8	4349.4	4135.7	3917.8	3688.2	3451.4	3207.6	2965.7	2721.8	2480.6
37.5°	5162.2	4955.6	4734.3	4499.1	4254.8	4000.5	3740.0	3476.0	3209.3	2946.8	2685.2
35°	5590.2	5364.1	5119.7	4862.8	4594.0	4315.7	4029.8	3740.7	3453.8	3169.9	2886.5
32.5°	6014.3	5769.3	5505.9	5224.7	4928.8	4625.9	4318.6	4006.4	3692.3	3389.2	3087.3
30°	6442.0	6170.7	5885.3	5581.5	5260.8	4930.9	4597.9	4267.2	3932.5	3598.9	3279.6
27.5°	6861.0	6565.0	6254.9	5926.4	5583.7	5229.8	4872.1	4519.1	4162.1	3807.5	3463.1
25°	7268.9	6949.3	6607.1	6256.3	5892.9	5515.6	5131.2	4757.7	4384.9	4005.5	3627.8
22.5°	7661.4	7311.4	6942.7	6567.4	6185.2	5788.7	5378.8	4976.3	4590.5	4183.0	3788.4
20°	8023.3	7647.6	7253.9	6858.6	6454.3	6048.7	5609.4	5181.3	4766.3	4347.9	3933.9
17.5°	8344.5	7962.8	7549.7	7133.1	6702.7	6275.6	5825.0	5367.9	4928.1	4494.4	4061.9
15°	8627.5	8246.1	7827.8	7388.5	6929.0	6462.6	6007.5	5532.7	5075.6	4624.0	4180.4
12.5°	8884.6	8485.3	8067.6	7602.9	7115.1	6628.5	6155.3	5677.2	5206.7	4742.5	4287.0
10°	9115.3	8681.2	8239.2	7768.3	7270.9	6768.5	6281.2	5798.6	5318.4	4844.0	4374.8
7.5°	9273.4	8826.5	8369.8	7900.6	7402.3	6892.1	6390.1	5896.2	5405.4	4924.8	4443.3
5°	9390.2	8941.2	8483.1	8007.3	7504.4	6984.4	6470.4	5966.9	5467.3	4983.9	4492.2
2.5°	9479.8	9019.7	8560.4	8074.0	7570.4	7046.7	6527.9	6020.1	5516.5	5027.3	4535.3
0°	9543.3	9049.0	8604.9	8127.3	7612.0	7084.2	6564.7	6053.6	5546.7	5048.2	4558.0
-2.5°	9479.8	9019.7	8560.4	8074.0	7570.4	7046.7	6527.9	6020.1	5516.5	5027.3	4535.3
-5°	9390.2	8941.2	8483.1	8007.3	7504.4	6984.4	6470.4	5966.9	5467.3	4983.9	4492.2
-7.5°	9273.4	8826.5	8369.8	7900.6	7402.3	6892.1	6390.1	5896.2	5405.4	4924.8	4443.3
-10°	9115.3	8681.2	8239.2	7768.3	7270.9	6768.5	6281.2	5798.6	5318.4	4844.0	4374.8
-12.5°	8884.6	8485.3	8067.6	7602.9	7115.1	6628.5	6155.3	5677.2	5206.7	4742.5	4287.0
-15°	8627.5	8246.1	7827.8	7388.5	6929.0	6462.6	6007.5	5532.7	5075.6	4624.0	4180.4
-17.5°	8344.5	7962.8	7549.7	7133.1	6702.7	6275.6	5825.0	5367.9	4928.1	4494.4	4061.9
-20°	8023.3	7647.6	7253.9	6858.6	6454.3	6048.7	5609.4	5181.3	4766.3	4347.9	3933.9

Classified

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

Scaled Data Report



REPORT NUMBER: P627261 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-727-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7661.4	7311.4	6942.7	6567.4	6185.2	5788.7	5378.8	4976.3	4590.5	4183.0	3788.4
-25°	7268.9	6949.3	6607.1	6256.3	5892.9	5515.6	5131.2	4757.7	4384.9	4005.5	3627.8
-27.5°	6861.0	6565.0	6254.9	5926.4	5583.7	5229.8	4872.1	4519.1	4162.1	3807.5	3463.1
-30°	6442.0	6170.7	5885.3	5581.5	5260.8	4930.9	4597.9	4267.2	3932.5	3598.9	3279.6
-32.5°	6014.3	5769.3	5505.9	5224.7	4928.8	4625.9	4318.6	4006.4	3692.3	3389.2	3087.3
-35°	5590.2	5364.1	5119.7	4862.8	4594.0	4315.7	4029.8	3740.7	3453.8	3169.9	2886.5
-37.5°	5162.2	4955.6	4734.3	4499.1	4254.8	4000.5	3740.0	3476.0	3209.3	2946.8	2685.2
-40°	4744.9	4553.8	4349.4	4135.7	3917.8	3688.2	3451.4	3207.6	2965.7	2721.8	2480.6
-42.5°	4337.0	4160.3	3972.8	3786.0	3586.1	3377.7	3161.4	2942.2	2719.4	2497.6	2284.4
-45°	3927.5	3770.4	3608.3	3438.4	3255.1	3069.1	2875.1	2676.2	2473.5	2281.2	2086.1
-47.5°	3520.3	3393.0	3248.4	3094.1	2933.8	2765.2	2592.3	2410.5	2242.1	2067.2	1900.8
-50°	3149.9	3032.4	2902.2	2762.8	2622.7	2471.7	2319.8	2168.8	2016.5	1865.7	1719.2
-52.5°	2785.2	2682.6	2569.7	2448.3	2322.4	2192.1	2059.4	1933.7	1799.3	1676.3	1554.1
-55°	2431.5	2345.8	2248.4	2141.6	2030.9	1930.6	1821.3	1711.9	1608.7	1500.1	1398.9
-57.5°	2099.4	2026.8	1949.3	1866.4	1778.6	1692.2	1604.9	1514.6	1428.9	1339.4	1247.6
-60°	1799.8	1740.9	1681.5	1616.5	1545.9	1471.9	1404.5	1332.7	1256.9	1183.4	1102.4
-62.5°	1529.6	1490.0	1438.4	1386.0	1332.5	1277.4	1218.0	1159.0	1099.0	1034.1	960.2
-65°	1274.7	1243.5	1205.5	1169.4	1129.9	1087.0	1038.5	990.5	940.3	885.3	819.6
-67.5°	1042.8	1021.3	995.0	967.1	938.8	905.8	867.9	826.5	785.5	739.6	687.8
-70°	846.8	832.8	814.3	791.2	768.4	744.7	716.4	682.5	642.8	601.5	563.7
-72.5°	688.1	679.2	666.9	649.9	629.7	608.2	581.9	551.0	516.9	479.5	445.7
-75°	557.5	553.6	545.6	528.3	507.6	483.2	457.9	430.0	397.4	359.9	327.9
-77.5°	442.1	442.6	439.0	420.2	399.5	376.8	351.0	319.2	287.4	255.3	230.8
-80°	324.7	326.9	324.7	305.8	286.6	267.2	246.7	220.3	193.6	168.2	149.1
-82.5°	201.4	200.5	197.6	186.2	174.8	163.2	151.1	133.0	115.3	98.1	83.0
-85°	95.9	92.2	88.2	84.0	79.5	74.9	70.0	61.4	53.3	45.9	39.5
-87.5°	15.8	15.5	15.2	14.9	14.5	14.2	13.8	13.3	12.9	12.4	11.9
-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: P627261 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-727-U-VWR-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°	12.0	12.1	12.1	12.0	10.7	9.4	8.2	7.1	6.4	5.7	5.1
85°	39.6	38.7	36.5	33.1	26.1	18.8	16.4	14.2	12.8	11.5	10.1
82.5°	82.7	83.5	83.5	81.0	71.5	61.5	51.0	40.1	29.7	18.9	15.1
80°	149.4	147.7	144.2	137.4	121.7	104.0	90.7	77.0	63.5	49.4	34.8
77.5°	225.8	219.4	211.5	202.5	185.9	166.4	144.0	118.5	97.1	79.8	61.7
75°	311.3	301.0	289.9	275.0	253.7	229.2	204.6	175.0	142.1	111.0	88.5
72.5°	418.4	393.6	371.4	350.4	327.3	300.0	268.6	230.4	190.4	152.7	117.3
70°	527.0	489.7	456.5	428.0	400.1	371.5	337.0	289.9	237.9	193.5	151.8
67.5°	637.2	593.1	548.6	506.0	470.8	437.2	403.8	349.1	289.5	233.4	185.5
65°	758.9	700.0	643.4	590.7	543.0	501.0	461.9	404.5	339.6	276.5	218.3
62.5°	884.2	809.1	742.1	674.9	615.4	564.4	517.4	454.1	387.4	318.1	252.6
60°	1015.9	930.4	841.4	762.9	690.0	625.4	568.5	503.0	432.2	358.2	286.6
57.5°	1154.7	1054.2	954.1	854.9	767.3	689.8	618.2	549.3	476.2	397.7	318.3
55°	1295.2	1186.9	1068.6	956.8	849.4	757.1	670.8	593.7	518.7	436.6	345.7
52.5°	1435.9	1317.0	1190.0	1060.8	940.6	825.1	728.7	637.0	557.8	474.5	374.1
50°	1583.1	1446.8	1310.7	1171.1	1031.3	904.8	784.6	686.7	595.8	510.6	401.2
47.5°	1736.3	1584.4	1432.9	1280.4	1130.5	981.0	849.9	735.3	632.5	543.2	426.3
45°	1904.2	1726.6	1558.9	1394.0	1224.5	1063.4	915.9	781.9	674.1	568.6	449.5
42.5°	2072.0	1876.6	1689.3	1505.9	1322.8	1145.2	978.5	836.7	713.9	593.0	470.8
40°	2250.5	2027.2	1819.6	1620.5	1418.9	1223.1	1047.9	890.1	751.1	618.2	491.0
37.5°	2424.0	2181.6	1953.4	1730.0	1513.0	1307.2	1114.6	940.2	786.5	646.6	510.1
35°	2607.7	2336.7	2077.1	1840.2	1609.8	1386.9	1177.1	990.6	827.2	674.2	528.1
32.5°	2785.1	2488.3	2209.9	1948.9	1702.3	1462.1	1241.4	1044.1	866.3	701.1	545.0
30°	2959.6	2640.5	2337.2	2051.7	1791.9	1540.9	1305.8	1094.1	903.7	727.0	561.9
27.5°	3120.3	2781.5	2459.2	2157.9	1880.0	1615.7	1366.6	1140.4	939.3	753.6	581.5
25°	3270.1	2917.1	2579.4	2260.2	1961.7	1686.5	1422.6	1183.3	975.4	781.4	599.7
22.5°	3410.6	3043.0	2688.5	2354.3	2037.4	1751.5	1477.3	1228.9	1009.6	807.0	616.4
20°	3538.4	3156.4	2786.1	2439.7	2111.0	1813.5	1529.8	1269.9	1040.2	830.2	631.4
17.5°	3653.4	3260.1	2879.3	2519.5	2179.6	1868.6	1576.5	1306.0	1067.0	850.9	644.6
15°	3760.2	3354.3	2961.6	2589.2	2239.0	1916.5	1617.1	1337.1	1090.0	868.8	657.2
12.5°	3852.0	3435.1	3031.5	2648.4	2289.0	1957.1	1651.5	1363.2	1109.1	885.1	669.0
10°	3927.6	3502.0	3088.5	2696.7	2329.5	1990.2	1679.5	1385.1	1127.0	899.2	678.1
7.5°	3986.5	3554.2	3132.5	2734.1	2361.6	2017.8	1703.2	1404.1	1141.4	910.0	684.5
5°	4031.1	3595.1	3170.8	2765.3	2391.1	2040.2	1720.5	1417.7	1151.9	917.4	688.2
2.5°	4070.7	3625.7	3200.8	2785.6	2411.1	2054.7	1730.9	1425.9	1158.3	921.4	689.0
0°	4093.0	3640.5	3217.4	2794.3	2421.4	2061.2	1734.4	1428.6	1160.4	921.7	687.1
-2.5°	4070.7	3625.7	3200.8	2785.6	2411.1	2054.7	1730.9	1425.9	1158.3	921.4	689.0
-5°	4031.1	3595.1	3170.8	2765.3	2391.1	2040.2	1720.5	1417.7	1151.9	917.4	688.2
-7.5°	3986.5	3554.2	3132.5	2734.1	2361.6	2017.8	1703.2	1404.1	1141.4	910.0	684.5
-10°	3927.6	3502.0	3088.5	2696.7	2329.5	1990.2	1679.5	1385.1	1127.0	899.2	678.1
-12.5°	3852.0	3435.1	3031.5	2648.4	2289.0	1957.1	1651.5	1363.2	1109.1	885.1	669.0
-15°	3760.2	3354.3	2961.6	2589.2	2239.0	1916.5	1617.1	1337.1	1090.0	868.8	657.2
-17.5°	3653.4	3260.1	2879.3	2519.5	2179.6	1868.6	1576.5	1306.0	1067.0	850.9	644.6
-20°	3538.4	3156.4	2786.1	2439.7	2111.0	1813.5	1529.8	1269.9	1040.2	830.2	631.4

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REPORT NUMBER: P627261 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-727-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3410.6	3043.0	2688.5	2354.3	2037.4	1751.5	1477.3	1228.9	1009.6	807.0	616.4
-25°	3270.1	2917.1	2579.4	2260.2	1961.7	1686.5	1422.6	1183.3	975.4	781.4	599.7
-27.5°	3120.3	2781.5	2459.2	2157.9	1880.0	1615.7	1366.6	1140.4	939.3	753.6	581.5
-30°	2959.6	2640.5	2337.2	2051.7	1791.9	1540.9	1305.8	1094.1	903.7	727.0	561.9
-32.5°	2785.1	2488.3	2209.9	1948.9	1702.3	1462.1	1241.4	1044.1	866.3	701.1	545.0
-35°	2607.7	2336.7	2077.1	1840.2	1609.8	1386.9	1177.1	990.6	827.2	674.2	528.1
-37.5°	2424.0	2181.6	1953.4	1730.0	1513.0	1307.2	1114.6	940.2	786.5	646.6	510.1
-40°	2250.5	2027.2	1819.6	1620.5	1418.9	1223.1	1047.9	890.1	751.1	618.2	491.0
-42.5°	2072.0	1876.6	1689.3	1505.9	1322.8	1145.2	978.5	836.7	713.9	593.0	470.8
-45°	1904.2	1726.6	1558.9	1394.0	1224.5	1063.4	915.9	781.9	674.1	568.6	449.5
-47.5°	1736.3	1584.4	1432.9	1280.4	1130.5	981.0	849.9	735.3	632.5	543.2	426.3
-50°	1583.1	1446.8	1310.7	1171.1	1031.3	904.8	784.6	686.7	595.8	510.6	401.2
-52.5°	1435.9	1317.0	1190.0	1060.8	940.6	825.1	728.7	637.0	557.8	474.5	374.1
-55°	1295.2	1186.9	1068.6	956.8	849.4	757.1	670.8	593.7	518.7	436.6	345.7
-57.5°	1154.7	1054.2	954.1	854.9	767.3	689.8	618.2	549.3	476.2	397.7	318.3
-60°	1015.9	930.4	841.4	762.9	690.0	625.4	568.5	503.0	432.2	358.2	286.6
-62.5°	884.2	809.1	742.1	674.9	615.4	564.4	517.4	454.1	387.4	318.1	252.6
-65°	758.9	700.0	643.4	590.7	543.0	501.0	461.9	404.5	339.6	276.5	218.3
-67.5°	637.2	593.1	548.6	506.0	470.8	437.2	403.8	349.1	289.5	233.4	185.5
-70°	527.0	489.7	456.5	428.0	400.1	371.5	337.0	289.9	237.9	193.5	151.8
-72.5°	418.4	393.6	371.4	350.4	327.3	300.0	268.6	230.4	190.4	152.7	117.3
-75°	311.3	301.0	289.9	275.0	253.7	229.2	204.6	175.0	142.1	111.0	88.5
-77.5°	225.8	219.4	211.5	202.5	185.9	166.4	144.0	118.5	97.1	79.8	61.7
-80°	149.4	147.7	144.2	137.4	121.7	104.0	90.7	77.0	63.5	49.4	34.8
-82.5°	82.7	83.5	83.5	81.0	71.5	61.5	51.0	40.1	29.7	18.9	15.1
-85°	39.6	38.7	36.5	33.1	26.1	18.8	16.4	14.2	12.8	11.5	10.1
-87.5°	12.0	12.1	12.1	12.0	10.7	9.4	8.2	7.1	6.4	5.7	5.1
-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: P627261 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3E-727-U-VWR-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°	4.3	3.6	2.9	2.2	1.5	0.6	0.0
85°	8.7	7.3	5.8	4.4	2.9	1.3	0.0
82.5°	13.0	10.9	8.7	6.6	4.4	1.9	0.0
80°	19.6	14.5	11.6	8.7	5.8	2.5	0.0
77.5°	42.6	22.7	14.5	10.9	7.2	3.2	0.0
75°	65.0	39.2	18.9	13.0	8.6	3.8	0.0
72.5°	86.7	55.2	30.0	15.1	10.0	4.4	0.0
70°	108.5	70.7	40.8	18.1	11.3	5.0	0.0
67.5°	134.6	85.5	51.2	24.8	12.6	5.6	0.0
65°	159.5	102.1	61.1	31.2	13.9	6.1	0.0
62.5°	183.2	120.3	70.5	37.3	15.1	6.7	0.0
60°	205.6	137.5	79.3	43.1	16.2	7.2	0.0
57.5°	229.1	153.7	91.1	48.5	19.5	7.7	0.0
55°	251.4	168.7	102.3	53.6	22.7	8.2	0.0
52.5°	272.0	183.0	112.7	58.3	25.7	8.7	0.0
50°	290.9	198.2	122.4	62.6	28.6	9.1	0.0
47.5°	308.6	212.0	131.1	67.1	31.4	9.6	0.0
45°	328.3	224.5	139.0	72.9	34.1	10.0	0.0
42.5°	346.4	235.6	146.0	78.2	36.6	10.3	0.0
40°	362.8	245.3	153.0	83.6	39.0	10.7	0.0
37.5°	377.4	253.6	160.0	88.9	41.2	11.0	0.0
35°	390.4	263.1	166.0	93.9	43.2	11.3	0.0
32.5°	402.3	272.7	170.9	98.4	45.1	11.6	0.0
30°	414.8	280.9	174.9	102.6	46.9	11.8	0.0
27.5°	426.0	287.7	180.9	106.4	48.4	12.0	0.0
25°	435.8	293.0	186.5	109.8	49.8	12.2	0.0
22.5°	444.2	298.4	191.5	112.8	51.0	12.4	0.0
20°	451.2	305.9	195.7	115.4	52.1	12.5	0.0
17.5°	459.9	311.9	199.3	117.6	53.0	12.6	0.0
15°	468.9	316.6	202.2	119.4	53.7	12.7	0.0
12.5°	476.3	320.1	204.4	120.7	54.3	12.7	0.0
10°	481.9	322.2	205.9	121.7	54.6	12.8	0.0
7.5°	485.7	323.0	206.8	122.2	54.9	12.8	0.0
5°	487.7	322.6	206.9	122.4	54.9	12.7	0.0
2.5°	487.8	321.1	206.4	122.1	54.8	12.7	0.0
0°	486.0	318.4	205.3	121.5	54.5	12.6	0.0
-2.5°	487.8	321.1	206.4	122.1	54.8	12.7	0.0
-5°	487.7	322.6	206.9	122.4	54.9	12.7	0.0
-7.5°	485.7	323.0	206.8	122.2	54.9	12.8	0.0
-10°	481.9	322.2	205.9	121.7	54.6	12.8	0.0
-12.5°	476.3	320.1	204.4	120.7	54.3	12.7	0.0
-15°	468.9	316.6	202.2	119.4	53.7	12.7	0.0
-17.5°	459.9	311.9	199.3	117.6	53.0	12.6	0.0
-20°	451.2	305.9	195.7	115.4	52.1	12.5	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	444.2	298.4	191.5	112.8	51.0	12.4	0.0
-25°	435.8	293.0	186.5	109.8	49.8	12.2	0.0
-27.5°	426.0	287.7	180.9	106.4	48.4	12.0	0.0
-30°	414.8	280.9	174.9	102.6	46.9	11.8	0.0
-32.5°	402.3	272.7	170.9	98.4	45.1	11.6	0.0
-35°	390.4	263.1	166.0	93.9	43.2	11.3	0.0
-37.5°	377.4	253.6	160.0	88.9	41.2	11.0	0.0
-40°	362.8	245.3	153.0	83.6	39.0	10.7	0.0
-42.5°	346.4	235.6	146.0	78.2	36.6	10.3	0.0
-45°	328.3	224.5	139.0	72.9	34.1	10.0	0.0
-47.5°	308.6	212.0	131.1	67.1	31.4	9.6	0.0
-50°	290.9	198.2	122.4	62.6	28.6	9.1	0.0
-52.5°	272.0	183.0	112.7	58.3	25.7	8.7	0.0
-55°	251.4	168.7	102.3	53.6	22.7	8.2	0.0
-57.5°	229.1	153.7	91.1	48.5	19.5	7.7	0.0
-60°	205.6	137.5	79.3	43.1	16.2	7.2	0.0
-62.5°	183.2	120.3	70.5	37.3	15.1	6.7	0.0
-65°	159.5	102.1	61.1	31.2	13.9	6.1	0.0
-67.5°	134.6	85.5	51.2	24.8	12.6	5.6	0.0
-70°	108.5	70.7	40.8	18.1	11.3	5.0	0.0
-72.5°	86.7	55.2	30.0	15.1	10.0	4.4	0.0
-75°	65.0	39.2	18.9	13.0	8.6	3.8	0.0
-77.5°	42.6	22.7	14.5	10.9	7.2	3.2	0.0
-80°	19.6	14.5	11.6	8.7	5.8	2.5	0.0
-82.5°	13.0	10.9	8.7	6.6	4.4	1.9	0.0
-85°	8.7	7.3	5.8	4.4	2.9	1.3	0.0
-87.5°	4.3	3.6	2.9	2.2	1.5	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)