

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: P627742 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5E-727-U-WR-VSR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P627742 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA5E-727-U-WR-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6 WITH VISOR  
Light Source: (80) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28664.6 lumens  
Efficiency: N/A  
Efficacy: 91.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 5H x 5V  
Max Intensity: 32491.6 candela  
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 50.9°H x 47.1°V  
Beam Lumens: 13800.7 lumens  
Beam Efficiency: 48.1%

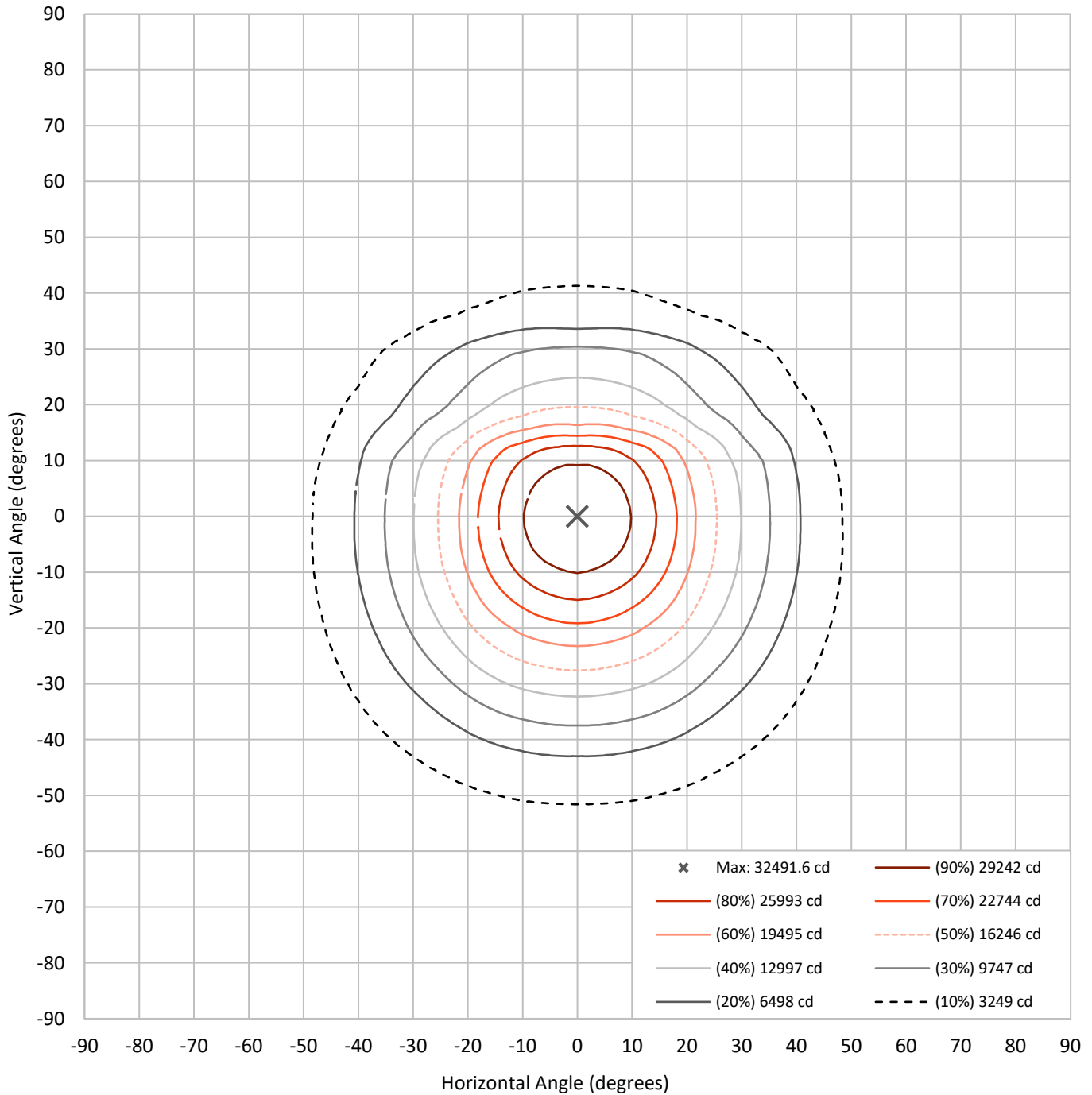
Field Angle (10%): 96.7°H x 92.9°V  
Field Lumens: 25664.6 lumens  
Field Efficiency: 89.5%

Input Watts (W): 313.7  
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





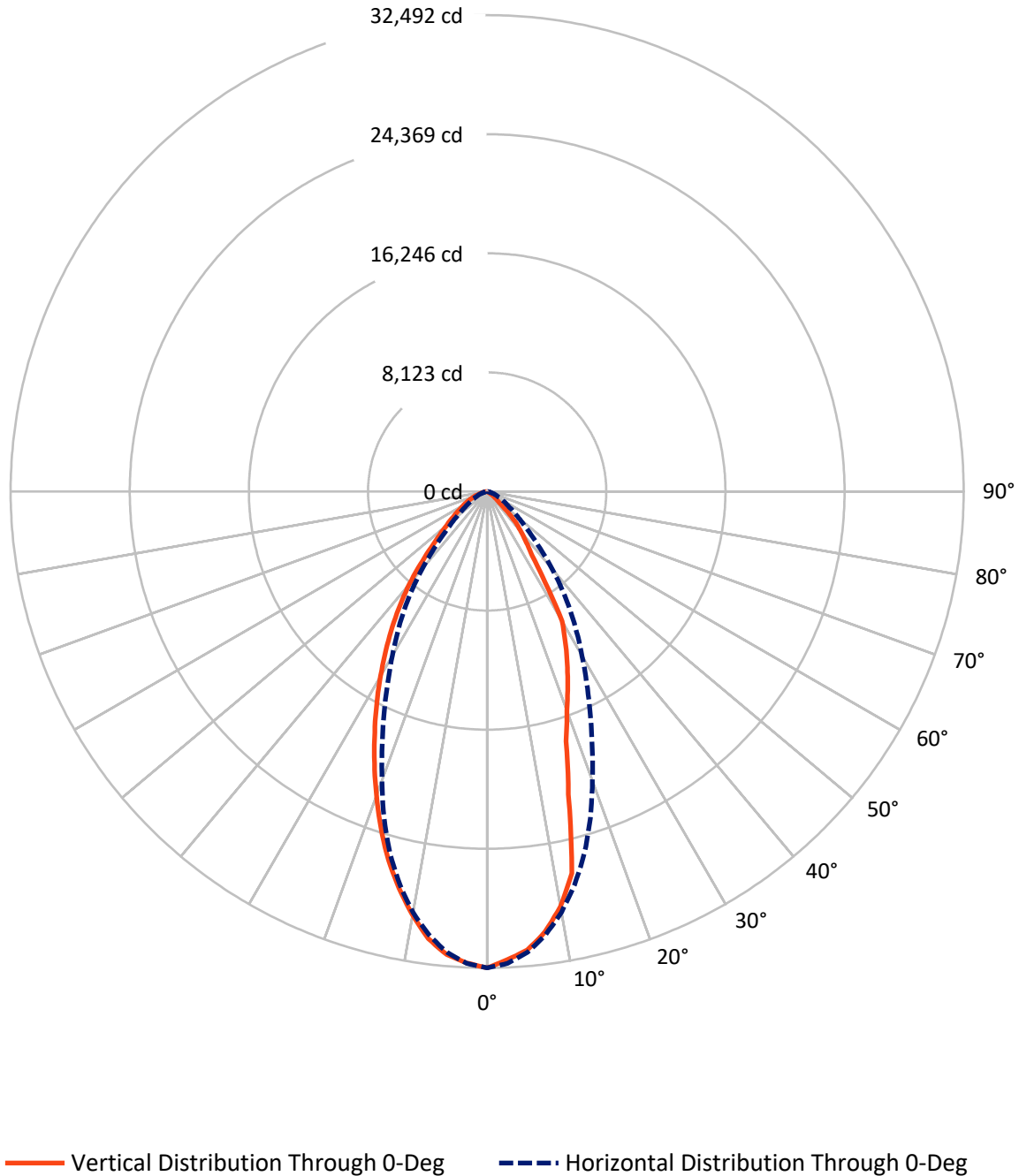
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### Lumen Table

90																			
80	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0							
70																			
60	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1				
50		0.6	1.5	2.7	4.5	6.6	9.0	10.2	10.2	9.0	6.6	4.5	2.7	1.5		0.6			
40	1.2	2.2	5.6	11.6	21.3	35.0	50.5	61.9	61.9	50.5	35.0	21.3	11.6	5.6	2.2	1.2			
30		4.4	11.2	25.9	53.5	98.3	150.4	180.8	180.8	150.4	98.3	53.5	25.9	11.2	4.4				
20	3.1	6.8	18.2	47.1	111.4	209.1	318.2	383.5	383.5	318.2	209.1	111.4	47.1	18.2	6.8	3.1			
10		9.3	25.9	73.8	183.2	338.7	529.3	654.4	654.4	529.3	338.7	183.2	73.8	25.9	9.3				
0	4.5	10.8	32.5	95.5	240.5	448.3	719.8	912.6	912.6	719.8	448.3	240.5	95.5	32.5	10.8	4.5			
-10		11.3	33.8	98.5	244.0	454.8	727.1	918.4	918.4	727.1	454.8	244.0	98.5	33.8	11.3				
-20	4.7	11.1	32.1	87.8	216.2	399.4	615.6	759.6	759.6	615.6	399.4	216.2	87.8	32.1	11.1	4.7			
-30		10.2	27.7	68.7	161.3	301.1	448.7	538.0	538.0	448.7	301.1	161.3	68.7	27.7	10.2				
-40	4.0	9.0	22.5	49.6	101.5	186.8	281.8	335.5	335.5	281.8	186.8	101.5	49.6	22.5	9.0	4.0			
-50		7.4	17.4	34.3	61.0	97.8	140.2	166.9	166.9	140.2	97.8	61.0	34.3	17.4	7.4				
-60	2.6	5.8	12.6	22.8	37.3	53.6	69.3	78.4	78.4	69.3	53.6	37.3	22.8	12.6	5.8	2.6			
-70		4.1	8.4	14.1	21.6	29.5	36.1	39.3	39.3	36.1	29.5	21.6	14.1	8.4	4.1				
-80	0.7	8.2	21.0	37.6	34.3	37.6	21.0	8.2	0.7										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

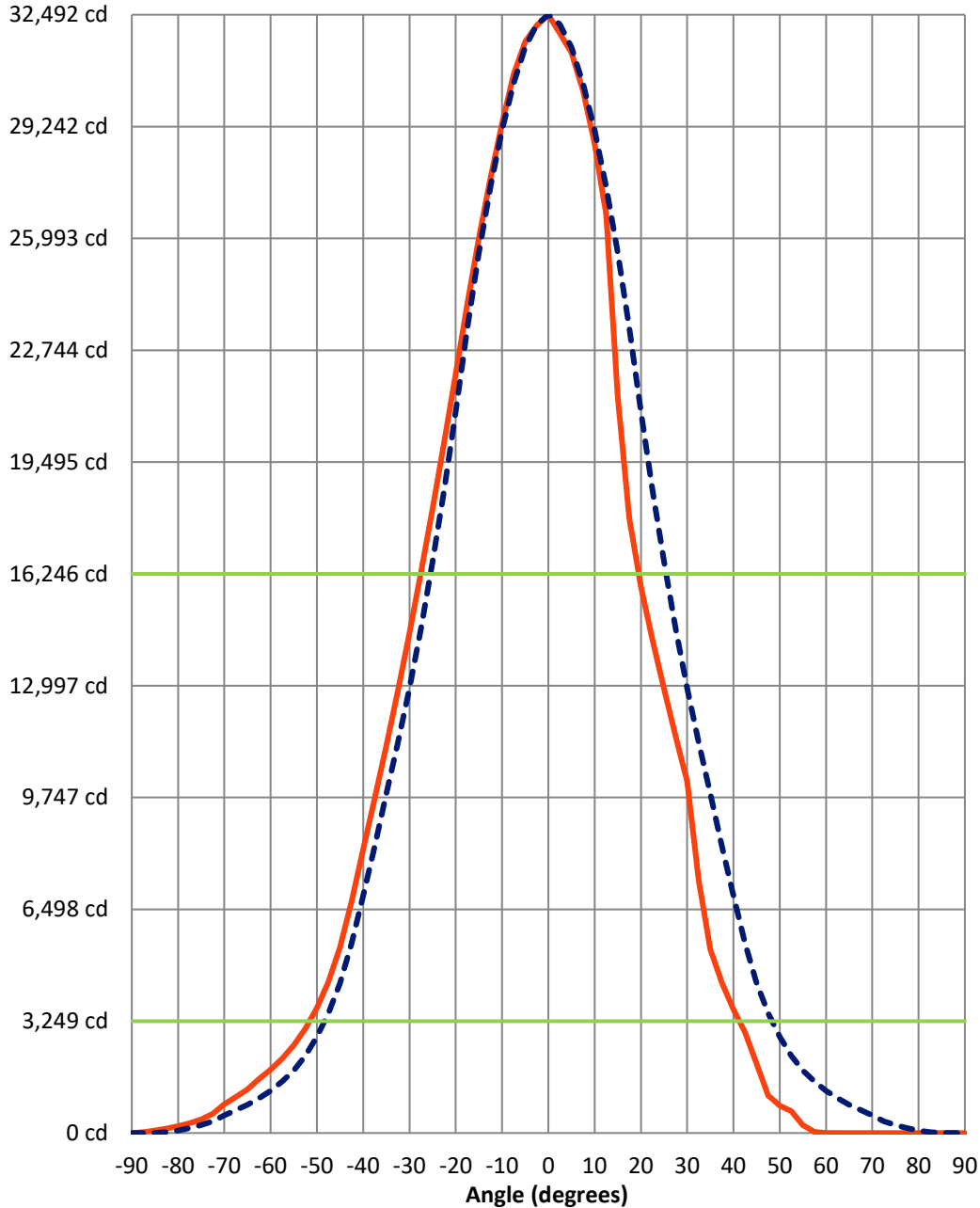
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 50.9°  
 V Angle: 47.1°  
 Lumens: 13800.7  
 Efficiency: 48.1%

**Field:**  
 H Angle: 96.7°  
 V Angle: 92.9°  
 Lumens: 25664.6  
 Efficiency: 89.5%

**Spill:**  
 Lumens: 3000  
 Efficiency: 10.5%

— 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	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
85°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	1.9
82.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.3	2.3	2.3
80°	0.0	0.4	0.8	1.2	1.6	2.0	2.3	2.3	2.3	2.3	2.3
77.5°	0.0	0.5	1.0	1.5	2.0	2.3	2.3	2.3	2.3	2.3	2.3
75°	0.0	0.6	1.2	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3
72.5°	0.0	0.7	1.4	2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3
70°	0.0	0.8	1.6	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.5
67.5°	0.0	0.9	1.8	2.3	2.3	2.3	2.5	2.3	2.3	3.0	2.9
65°	0.0	1.0	1.9	2.3	2.3	2.6	2.8	2.3	3.3	3.8	4.5
62.5°	0.0	1.1	2.1	2.3	2.3	3.1	3.2	3.1	4.4	6.2	9.7
60°	0.0	1.1	2.3	2.3	2.3	3.7	3.6	4.4	5.6	15.4	16.6
57.5°	0.0	1.2	2.3	2.3	2.9	4.4	6.3	6.0	15.1	25.9	28.4
55°	0.0	1.3	2.4	2.3	3.7	5.1	9.6	8.9	27.7	39.0	44.1
52.5°	0.0	1.4	2.4	2.3	4.4	6.4	13.4	21.8	41.4	57.9	62.5
50°	0.0	1.5	2.5	2.3	5.2	10.4	17.7	36.1	57.9	78.9	95.3
47.5°	0.0	1.6	2.5	2.5	6.0	14.7	23.6	50.5	79.5	101.9	129.4
45°	0.0	1.6	2.6	3.1	6.8	19.3	36.2	65.0	101.2	132.0	163.0
42.5°	0.0	1.7	2.7	3.8	7.7	24.1	48.7	82.2	122.8	161.8	200.3
40°	0.0	1.8	2.7	4.6	10.1	29.2	61.1	100.9	145.3	190.8	239.2
37.5°	0.0	1.8	2.8	5.6	14.1	34.5	73.5	119.4	169.7	220.7	279.1
35°	0.0	1.9	2.9	6.7	18.1	42.9	85.8	137.7	194.1	256.3	322.4
32.5°	0.0	1.9	3.0	7.8	22.2	52.6	98.7	155.6	218.7	293.0	371.0
30°	0.0	2.0	3.1	9.1	26.3	62.0	113.2	173.9	243.1	330.4	420.1
27.5°	0.0	2.0	3.3	10.4	31.0	71.2	127.3	193.8	270.0	368.4	469.3
25°	0.0	2.1	3.4	11.8	35.6	80.0	140.8	213.4	301.0	408.8	518.6
22.5°	0.0	2.1	3.5	13.2	40.2	88.6	153.9	232.4	331.6	449.7	568.6
20°	0.0	2.2	3.6	14.6	44.6	96.9	166.2	250.7	361.8	489.8	616.2
17.5°	0.0	2.2	3.8	16.1	48.8	104.8	177.7	268.4	391.1	528.7	661.3
15°	0.0	2.2	3.9	17.6	52.9	112.1	188.3	284.1	419.5	566.1	703.8
12.5°	0.0	2.2	4.0	19.0	56.7	119.0	197.9	297.2	443.0	601.9	743.7
10°	0.0	2.3	4.1	20.5	60.3	125.2	206.7	308.9	461.8	623.1	774.9
7.5°	0.0	2.3	4.3	21.8	63.7	130.8	214.5	319.1	478.3	639.2	791.3
5°	0.0	2.3	4.4	23.2	66.7	135.8	221.4	328.0	492.4	652.0	804.5
2.5°	0.0	2.3	4.5	24.4	69.5	140.2	227.2	335.3	503.9	661.7	814.6
0°	0.0	2.3	4.6	25.5	71.9	143.9	232.1	341.2	512.9	668.4	821.6
-2.5°	0.0	2.5	5.3	27.1	75.2	148.4	238.4	351.0	522.9	678.1	832.5
-5°	0.0	2.6	6.0	28.6	78.1	152.3	243.6	359.2	530.3	685.0	840.2
-7.5°	0.0	2.7	6.7	30.0	80.6	155.3	247.8	365.7	534.9	689.3	844.8
-10°	0.0	2.9	7.3	31.1	82.6	157.6	250.7	370.3	536.9	691.0	846.2
-12.5°	0.0	3.0	7.9	32.1	84.1	159.2	252.5	372.9	536.3	690.0	842.3
-15°	0.0	3.1	8.5	33.0	85.2	159.9	253.0	373.4	532.4	684.0	834.1
-17.5°	0.0	3.2	9.0	33.6	85.6	159.8	252.3	372.7	525.5	675.8	822.8
-20°	0.0	3.3	9.5	34.0	85.5	158.9	251.5	370.9	516.9	665.6	808.3

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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	3.4	10.0	34.2	84.8	157.2	251.7	367.6	506.7	653.5	790.8
-25°	0.0	3.4	10.3	34.2	83.5	156.6	250.5	362.7	495.1	639.6	770.2
-27.5°	0.0	3.5	10.6	34.0	81.6	155.9	248.2	356.2	482.2	623.5	751.2
-30°	0.0	3.5	10.9	33.5	79.3	154.2	244.5	348.3	470.8	605.4	730.7
-32.5°	0.0	3.5	11.1	32.8	78.3	151.6	239.6	341.8	459.6	586.5	708.8
-35°	0.0	3.5	11.2	31.8	76.7	147.9	234.9	334.7	446.8	566.9	685.5
-37.5°	0.0	3.5	11.2	30.6	74.4	144.0	229.6	326.1	432.6	546.8	658.1
-40°	0.0	3.5	11.2	29.2	71.4	140.5	223.0	316.0	417.0	528.1	628.9
-42.5°	0.0	3.4	11.1	27.8	69.3	136.1	215.1	304.5	402.5	503.8	597.8
-45°	0.0	3.4	10.9	26.8	67.9	130.8	205.9	292.5	387.6	477.8	565.5
-47.5°	0.0	3.3	10.7	25.3	65.8	124.6	195.5	280.2	371.0	450.8	535.5
-50°	0.0	3.2	10.4	24.9	63.1	117.5	186.4	266.3	349.2	426.3	504.7
-52.5°	0.0	3.1	10.0	24.5	59.6	109.7	176.6	251.1	327.5	400.6	473.3
-55°	0.0	3.0	9.5	23.9	55.5	103.2	165.7	234.7	305.1	373.9	443.8
-57.5°	0.0	2.8	9.0	22.9	50.7	96.2	153.8	220.2	281.6	347.0	413.2
-60°	0.0	2.7	8.4	21.7	45.5	88.3	141.0	202.6	257.5	319.1	381.7
-62.5°	0.0	2.5	7.9	20.1	42.3	79.4	128.7	183.1	233.6	290.1	349.2
-65°	0.0	2.3	7.3	18.4	38.7	69.6	115.1	162.8	208.2	259.5	315.4
-67.5°	0.0	2.1	6.7	16.3	34.6	61.0	100.4	142.2	181.4	227.2	278.0
-70°	0.0	1.9	6.1	14.1	30.1	53.5	84.6	120.9	156.0	193.3	237.7
-72.5°	0.0	1.7	5.4	12.4	25.3	45.4	71.9	99.0	129.8	162.6	197.1
-75°	0.0	1.5	4.7	10.8	20.1	36.8	59.1	80.7	103.0	131.1	160.8
-77.5°	0.0	1.2	3.9	9.2	16.6	27.7	45.5	63.4	81.8	101.1	123.7
-80°	0.0	1.0	3.2	7.4	13.4	21.2	31.5	45.8	60.8	76.6	93.2
-82.5°	0.0	0.8	2.4	5.6	10.2	16.0	23.2	30.6	39.5	51.7	64.5
-85°	0.0	0.5	1.6	3.8	6.8	10.8	15.6	20.5	26.1	32.3	39.1
-87.5°	0.0	0.3	0.8	1.9	3.4	5.4	7.8	10.3	13.1	16.2	19.6
-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°	1.1	1.1	1.2	1.3	1.4	1.5	1.6	1.6	1.7	1.8	1.8
85°	2.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
72.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	1.9
67.5°	2.3	2.3	2.3	2.4	2.3	2.3	2.3	2.3	2.3	1.8	1.2
65°	2.3	2.3	3.2	3.4	2.4	2.3	2.3	2.3	2.4	2.1	2.1
62.5°	3.4	4.2	5.2	8.1	6.0	2.3	4.5	5.3	3.5	2.9	3.1
60°	10.1	7.0	17.8	24.7	16.2	8.5	10.5	21.0	17.3	4.7	12.3
57.5°	20.5	25.3	44.9	47.2	36.2	24.5	53.7	59.5	49.4	31.0	44.7
55°	42.7	60.0	75.9	75.0	75.4	94.8	111.4	109.4	96.5	133.0	167.5
52.5°	80.8	98.8	109.3	119.1	146.2	164.2	169.4	179.6	217.4	262.7	270.9
50°	118.6	137.1	151.0	186.3	214.0	228.3	241.5	276.2	333.4	364.4	369.4
47.5°	156.9	177.6	214.0	252.6	279.5	301.0	323.9	402.6	466.5	492.9	502.5
45°	196.8	232.6	278.1	317.7	348.8	377.9	452.6	560.0	605.0	645.5	748.7
42.5°	238.2	292.1	343.4	384.9	420.0	480.9	584.8	688.9	753.2	839.4	964.0
40°	291.1	351.4	410.9	453.1	496.9	589.2	717.8	828.0	896.1	1011.8	1153.8
37.5°	344.7	415.3	479.5	524.1	585.6	710.4	861.5	993.5	1077.9	1172.1	1400.3
35°	397.7	480.5	546.3	606.1	682.1	854.2	1040.4	1187.3	1291.6	1452.9	1741.8
32.5°	454.3	546.9	614.2	695.5	820.4	1012.8	1241.6	1404.7	1577.6	1809.8	2272.4
30°	514.6	609.0	686.3	784.1	951.6	1176.1	1441.6	1646.6	1881.4	2258.4	2757.1
27.5°	574.7	670.9	766.2	890.6	1074.5	1317.1	1594.4	1917.5	2220.9	2642.5	3187.6
25°	632.4	734.0	844.4	994.8	1193.7	1447.6	1750.3	2123.0	2519.0	3001.3	3641.3
22.5°	687.5	798.0	927.3	1088.9	1294.2	1571.5	1932.5	2370.3	2846.2	3345.7	4081.2
20°	741.5	869.5	1017.9	1198.8	1386.8	1685.8	2110.7	2640.8	3237.2	3921.5	4642.3
17.5°	794.9	940.1	1111.5	1312.5	1540.3	1846.3	2293.4	2924.5	3650.4	4541.0	5428.5
15°	847.2	1009.4	1202.0	1424.8	1695.2	2060.9	2568.7	3262.4	4139.4	5205.9	6257.2
12.5°	897.8	1076.5	1288.8	1534.6	1845.4	2262.9	2828.2	3576.6	4581.4	5855.6	7147.0
10°	946.4	1141.0	1371.3	1640.5	1989.3	2451.0	3057.6	3848.3	4914.9	6228.0	7664.4
7.5°	971.2	1184.6	1441.7	1741.3	2125.0	2623.5	3257.2	4078.0	5175.5	6527.5	7967.7
5°	988.9	1204.6	1468.1	1781.5	2199.6	2740.9	3409.9	4265.8	5367.5	6752.9	8173.2
2.5°	1002.5	1218.9	1487.4	1804.2	2229.1	2780.0	3460.4	4331.3	5470.5	6870.5	8292.9
0°	1011.9	1227.7	1499.3	1817.2	2244.2	2798.9	3483.6	4358.5	5514.3	6897.5	8336.4
-2.5°	1021.8	1239.7	1511.8	1837.4	2265.5	2824.7	3509.2	4377.8	5547.1	6905.0	8360.0
-5°	1027.5	1246.1	1516.6	1847.2	2272.4	2829.5	3507.3	4359.5	5521.0	6850.8	8308.8
-7.5°	1029.1	1246.9	1513.9	1845.3	2263.7	2807.6	3470.3	4305.0	5430.9	6741.1	8183.4
-10°	1026.6	1241.4	1503.9	1828.5	2238.2	2762.0	3404.0	4210.8	5283.0	6560.1	7971.4
-12.5°	1019.1	1229.8	1486.1	1801.2	2197.2	2697.2	3310.6	4076.4	5077.6	6308.4	7672.5
-15°	1007.1	1212.5	1460.2	1763.4	2140.5	2613.8	3190.6	3901.9	4813.0	5988.4	7300.3
-17.5°	990.5	1189.5	1426.3	1715.1	2068.2	2512.4	3045.5	3697.6	4527.8	5631.3	6886.6
-20°	969.3	1161.0	1384.5	1656.5	1984.8	2405.7	2910.8	3516.8	4260.8	5222.3	6398.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627742 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5E-727-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	943.7	1126.9	1340.2	1600.4	1910.8	2294.9	2760.2	3311.8	3961.4	4749.7	5865.4
-25°	917.3	1094.3	1297.1	1538.0	1826.3	2169.4	2587.9	3090.4	3678.7	4400.3	5322.8
-27.5°	891.2	1056.8	1247.3	1465.9	1731.6	2039.9	2426.0	2884.0	3408.4	4022.0	4773.1
-30°	861.8	1014.9	1192.4	1390.4	1640.9	1927.1	2260.7	2653.2	3119.4	3674.0	4326.9
-32.5°	829.8	970.0	1139.3	1325.1	1543.6	1804.2	2092.8	2447.8	2853.4	3310.8	3875.3
-35°	797.8	931.6	1084.8	1254.8	1439.2	1683.2	1948.4	2243.0	2588.0	2993.0	3444.4
-37.5°	767.1	889.7	1026.4	1184.9	1357.9	1560.5	1794.8	2060.7	2357.7	2680.0	3069.9
-40°	732.9	844.5	973.8	1117.4	1270.4	1446.0	1657.3	1883.0	2138.6	2422.2	2723.4
-42.5°	695.7	803.0	921.0	1044.7	1185.1	1342.0	1517.2	1723.6	1936.0	2173.6	2436.4
-45°	659.3	757.8	865.8	978.7	1096.8	1235.4	1394.5	1566.2	1754.6	1948.5	2169.3
-47.5°	620.9	710.9	811.4	909.8	1014.4	1132.7	1267.7	1423.5	1580.6	1753.2	1924.5
-50°	582.5	666.9	751.4	843.2	937.0	1035.3	1149.5	1284.0	1426.9	1570.1	1720.8
-52.5°	548.1	621.1	697.5	776.3	861.6	949.2	1044.3	1155.1	1280.1	1406.3	1536.2
-55°	513.0	580.3	643.4	713.9	787.8	866.6	951.3	1044.6	1138.9	1253.9	1365.7
-57.5°	478.6	538.3	593.2	653.4	719.1	786.0	862.4	941.6	1027.3	1114.2	1205.6
-60°	444.2	494.9	544.7	596.8	651.9	711.4	772.9	842.5	916.0	991.4	1070.7
-62.5°	408.6	449.7	493.6	541.3	589.8	635.6	687.2	744.1	804.6	869.4	936.6
-65°	368.8	402.9	439.5	481.0	526.6	563.6	603.0	645.8	695.9	749.2	801.9
-67.5°	326.3	356.5	386.3	417.1	454.0	487.2	519.7	553.7	591.1	634.7	677.0
-70°	278.9	309.0	335.3	360.8	384.3	408.0	435.5	462.4	492.6	531.7	570.2
-72.5°	230.8	259.0	283.9	305.5	322.1	336.2	353.1	372.6	401.6	437.9	471.8
-75°	186.6	209.4	232.7	253.5	264.2	268.4	271.9	282.2	311.5	348.8	381.7
-77.5°	145.3	165.2	184.2	202.3	209.8	212.7	214.2	214.1	235.7	267.5	300.9
-80°	107.0	120.8	136.9	152.4	157.0	158.4	158.6	157.6	175.3	198.1	222.6
-82.5°	74.3	84.3	94.6	105.1	106.5	105.8	104.2	102.8	117.0	133.5	150.4
-85°	43.3	47.5	53.7	60.2	60.9	60.6	59.5	57.7	65.6	74.6	84.1
-87.5°	21.7	23.8	25.8	27.9	27.2	26.1	24.7	23.0	25.2	27.6	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: P627742 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.9	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.3	1.7	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.3	1.8	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.3	1.8	1.2	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.3	1.9	1.3	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	2.3	1.9	1.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2.3	2.0	1.4	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	1.3	0.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1.1	1.2	1.2	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.4	2.3	1.7	1.1	0.5	0.4	0.6	0.5	0.2	0.0	0.0
62.5°	3.0	2.9	2.0	2.0	2.1	2.3	1.9	1.6	1.5	1.7	1.9
60°	13.1	7.5	7.6	9.7	8.3	3.8	7.6	9.6	9.0	6.8	5.9
57.5°	66.6	55.8	38.9	65.3	67.2	46.9	50.9	66.4	64.3	49.7	49.5
55°	167.8	170.3	182.8	199.3	211.5	217.2	222.2	247.2	273.8	299.9	313.0
52.5°	277.2	309.7	350.0	376.7	395.3	433.5	487.1	511.6	535.5	562.6	582.3
50°	408.3	464.6	505.1	511.0	574.6	615.9	625.6	671.7	721.9	753.2	775.6
47.5°	607.5	678.7	714.0	736.5	813.9	898.8	898.9	925.4	1051.1	1116.9	1148.5
45°	874.9	934.3	996.8	1158.9	1308.0	1355.3	1456.5	1593.6	1682.8	1805.5	1940.3
42.5°	1102.7	1214.3	1370.6	1549.2	1698.6	1823.0	1973.4	2138.3	2336.3	2522.5	2683.2
40°	1328.1	1466.2	1659.9	1854.1	2042.2	2214.6	2457.1	2669.0	2902.6	3158.8	3372.3
37.5°	1622.2	1799.1	1999.2	2244.0	2537.0	2728.3	3061.8	3366.4	3629.6	3938.9	4129.5
35°	2074.0	2304.5	2481.6	2976.7	3333.0	3556.8	3951.6	4452.2	4644.4	5034.0	5218.9
32.5°	2642.0	2948.3	3414.6	4070.1	4545.9	4957.9	5548.0	6056.0	6489.0	6880.2	7287.2
30°	3280.2	3752.9	4440.1	5311.1	5794.4	6371.5	7169.5	7771.9	8450.9	9196.3	9457.4
27.5°	3859.4	4567.4	5365.2	6070.8	6764.9	7483.7	8267.8	9041.6	9776.6	10396.8	10813.0
25°	4396.1	5253.6	6029.0	6782.9	7535.0	8344.5	9231.4	10109.1	10917.8	11556.0	12041.2
22.5°	4949.8	5855.7	6685.2	7450.2	8325.1	9242.4	10185.6	11192.1	12112.6	12774.7	13303.3
20°	5470.4	6477.8	7424.0	8295.1	9122.1	10181.0	11267.1	12334.8	13337.1	14125.8	14735.3
17.5°	6296.7	7171.2	8327.7	9459.3	10390.9	11363.7	12814.9	13916.9	15029.3	15973.8	16619.9
15°	7311.4	8273.0	9467.2	11021.3	12297.8	13412.4	14911.6	16704.4	18016.3	19222.1	20049.3
12.5°	8326.9	9414.7	10706.4	12455.2	14272.7	15585.5	17404.4	19676.1	21204.2	23071.1	23991.4
10°	9105.3	10471.2	11801.5	13397.4	15142.8	17012.3	18973.1	21098.3	23140.2	24743.2	26176.2
7.5°	9418.7	10873.7	12413.5	14041.9	15787.2	17716.6	19806.4	22017.8	24119.2	25909.7	27484.5
5°	9653.0	11143.7	12693.7	14358.8	16224.5	18239.3	20360.3	22682.1	24828.1	26747.1	28358.3
2.5°	9801.8	11306.6	12849.9	14542.7	16505.1	18579.7	20768.7	23152.1	25330.3	27305.9	28911.8
0°	9858.9	11341.9	12922.4	14665.3	16607.9	18687.3	20971.0	23382.4	25577.9	27487.9	29140.3
-2.5°	9866.6	11309.0	12927.1	14661.6	16520.2	18619.2	20930.4	23321.7	25472.6	27374.9	29042.1
-5°	9789.2	11231.0	12850.6	14558.7	16420.0	18503.1	20715.1	23025.9	25077.3	26928.7	28533.8
-7.5°	9632.2	11070.0	12653.8	14322.8	16133.9	18154.5	20279.0	22427.3	24439.7	26215.4	27747.3
-10°	9399.2	10806.8	12335.7	13961.9	15675.6	17597.5	19623.4	21676.0	23563.1	25205.2	26621.8
-12.5°	9083.8	10458.8	11918.9	13471.4	15066.5	16898.9	18811.7	20739.3	22459.4	23958.5	25229.5
-15°	8674.1	10017.0	11430.8	12899.0	14445.9	16102.9	17819.6	19587.6	21174.0	22503.5	23664.6
-17.5°	8191.4	9493.9	10836.5	12197.6	13665.3	15220.0	16813.5	18400.6	19753.7	20934.8	21996.5
-20°	7653.3	8908.3	10183.6	11452.4	12784.1	14221.9	15693.7	17087.8	18270.2	19343.3	20314.9



REPORT NUMBER: P627742 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7050.1	8251.3	9473.7	10661.1	11861.9	13163.8	14478.2	15738.9	16844.9	17762.9	18607.2
-25°	6404.3	7514.2	8668.5	9781.8	10887.0	12053.7	13247.6	14407.5	15380.9	16177.9	16875.6
-27.5°	5753.5	6767.7	7784.7	8832.9	9854.4	10931.0	12011.9	13013.8	13887.7	14621.6	15207.8
-30°	5069.5	5976.2	6905.0	7853.3	8828.8	9814.0	10790.6	11667.8	12430.7	13076.2	13582.8
-32.5°	4501.1	5189.8	6009.8	6870.7	7785.1	8682.8	9532.3	10331.9	11050.8	11614.3	12044.0
-35°	3956.2	4539.5	5153.6	5915.6	6701.2	7527.2	8308.7	9022.3	9663.1	10155.6	10559.8
-37.5°	3487.8	3949.2	4468.5	5012.5	5671.1	6354.0	7059.3	7730.4	8301.8	8731.4	9092.4
-40°	3082.4	3446.6	3861.6	4292.8	4777.5	5268.1	5882.2	6448.6	6915.0	7316.5	7643.6
-42.5°	2715.9	3023.3	3329.7	3683.4	4049.0	4443.4	4874.4	5293.3	5651.2	5987.4	6265.2
-45°	2399.5	2645.0	2889.3	3162.5	3430.9	3751.7	4059.6	4334.3	4624.2	4875.9	5073.9
-47.5°	2122.9	2314.3	2523.7	2728.1	2943.7	3185.2	3414.4	3623.4	3835.8	4019.9	4167.5
-50°	1877.0	2035.7	2206.6	2367.2	2541.6	2718.3	2887.8	3054.0	3215.4	3355.4	3464.3
-52.5°	1661.7	1800.4	1933.6	2061.6	2200.2	2330.9	2453.6	2590.8	2717.1	2827.4	2901.9
-55°	1478.5	1591.8	1700.9	1807.7	1912.5	2011.7	2109.4	2216.0	2313.4	2401.1	2456.6
-57.5°	1306.4	1402.8	1495.2	1582.5	1665.7	1744.4	1826.8	1908.7	1983.8	2049.9	2092.9
-60°	1149.9	1228.6	1308.6	1379.8	1446.9	1509.9	1579.2	1644.7	1705.3	1756.2	1785.9
-62.5°	1006.4	1077.1	1136.1	1192.4	1249.5	1306.2	1355.5	1403.8	1450.6	1490.0	1515.9
-65°	856.5	916.3	966.6	1011.8	1052.7	1096.6	1138.6	1176.6	1210.3	1236.0	1252.4
-67.5°	722.4	766.4	806.7	842.6	879.1	914.3	946.6	975.4	1000.8	1018.6	1030.4
-70°	605.8	639.5	672.4	705.1	737.6	765.0	788.5	810.0	829.5	837.7	841.3
-72.5°	503.4	533.3	562.2	591.1	618.1	639.5	656.8	672.6	686.8	674.6	653.1
-75°	410.5	436.8	463.8	489.3	513.1	529.5	542.3	554.1	564.8	538.3	501.8
-77.5°	334.6	357.7	377.7	397.5	417.2	427.6	435.7	443.7	451.3	421.7	384.2
-80°	248.2	266.8	283.8	300.5	316.9	323.2	326.7	329.2	330.5	305.2	275.8
-82.5°	167.7	177.3	186.7	196.4	206.4	211.6	215.5	218.6	220.8	202.7	182.4
-85°	94.0	96.9	99.2	101.1	102.8	106.0	109.2	112.0	114.7	106.1	96.7
-87.5°	32.3	32.3	32.2	31.9	31.5	31.6	31.6	31.5	31.4	30.0	28.6
-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: P627742 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5
62.5°	2.1	2.2	2.3	2.3	2.3	2.2	2.1	1.9	1.7	1.5	1.6
60°	4.6	2.8	2.3	2.3	2.3	2.8	4.6	5.9	6.8	9.0	9.6
57.5°	46.2	40.3	36.2	32.5	36.2	40.3	46.2	49.5	49.7	64.3	66.4
55°	307.4	286.2	260.3	229.8	260.3	286.2	307.4	313.0	299.9	273.8	247.2
52.5°	603.0	623.0	634.6	633.6	634.6	623.0	603.0	582.3	562.6	535.5	511.6
50°	793.6	804.6	805.1	796.0	805.1	804.6	793.6	775.6	753.2	721.9	671.7
47.5°	1162.8	1147.6	1121.4	1093.1	1121.4	1147.6	1162.8	1148.5	1116.9	1051.1	925.4
45°	2029.0	2077.9	2074.7	2012.2	2074.7	2077.9	2029.0	1940.3	1805.5	1682.8	1593.6
42.5°	2772.9	2846.1	2897.9	2924.2	2897.9	2846.1	2772.9	2683.2	2522.5	2336.3	2138.3
40°	3492.6	3563.3	3594.4	3592.6	3594.4	3563.3	3492.6	3372.3	3158.8	2902.6	2669.0
37.5°	4253.1	4344.6	4388.9	4367.8	4388.9	4344.6	4253.1	4129.5	3938.9	3629.6	3366.4
35°	5298.8	5384.5	5386.1	5342.5	5386.1	5384.5	5298.8	5218.9	5034.0	4644.4	4452.2
32.5°	7610.3	7639.0	7418.9	7340.8	7418.9	7639.0	7610.3	7287.2	6880.2	6489.0	6056.0
30°	9717.3	9920.4	10109.3	10204.7	10109.3	9920.4	9717.3	9457.4	9196.3	8450.9	7771.9
27.5°	11126.8	11371.1	11522.5	11532.2	11522.5	11371.1	11126.8	10813.0	10396.8	9776.6	9041.6
25°	12408.8	12682.1	12847.2	12903.8	12847.2	12682.1	12408.8	12041.2	11556.0	10917.8	10109.1
22.5°	13751.9	14074.0	14287.5	14331.1	14287.5	14074.0	13751.9	13303.3	12774.7	12112.6	11192.1
20°	15310.3	15685.2	15889.8	15881.4	15889.8	15685.2	15310.3	14735.3	14125.8	13337.1	12334.8
17.5°	17361.9	17764.0	17940.6	17863.4	17940.6	17764.0	17361.9	16619.9	15973.8	15029.3	13916.9
15°	20898.4	21739.4	21736.0	21400.4	21736.0	21739.4	20898.4	20049.3	19222.1	18016.3	16704.4
12.5°	25260.6	25887.3	26530.4	26668.6	26530.4	25887.3	25260.6	23991.4	23071.1	21204.2	19676.1
10°	27383.1	28215.6	28764.9	28750.4	28764.9	28215.6	27383.1	26176.2	24743.2	23140.2	21098.3
7.5°	28711.2	29630.8	30296.5	30282.2	30296.5	29630.8	28711.2	27484.5	25909.7	24119.2	22017.8
5°	29735.9	30755.9	31345.6	31389.2	31345.6	30755.9	29735.9	28358.3	26747.1	24828.1	22682.1
2.5°	30268.4	31332.9	32041.9	31948.5	32041.9	31332.9	30268.4	28911.8	27305.9	25330.3	23152.1
0°	30491.1	31544.7	32206.1	32491.6	32206.1	31544.7	30491.1	29140.3	27487.9	25577.9	23382.4
-2.5°	30393.8	31419.1	32150.0	32178.3	32150.0	31419.1	30393.8	29042.1	27374.9	25472.6	23321.7
-5°	29873.0	30955.0	31444.7	31704.8	31444.7	30955.0	29873.0	28533.8	26928.7	25077.3	23025.9
-7.5°	29033.2	29844.0	30466.1	30753.3	30466.1	29844.0	29033.2	27747.3	26215.4	24439.7	22427.3
-10°	27726.1	28565.5	29091.2	29328.3	29091.2	28565.5	27726.1	26621.8	25205.2	23563.1	21676.0
-12.5°	26278.2	27041.0	27540.8	27740.9	27540.8	27041.0	26278.2	25229.5	23958.5	22459.4	20739.3
-15°	24662.7	25355.3	25815.4	26007.2	25815.4	25355.3	24662.7	23664.6	22503.5	21174.0	19587.6
-17.5°	22884.4	23491.3	23949.6	24087.9	23949.6	23491.3	22884.4	21996.5	20934.8	19753.7	18400.6
-20°	21055.7	21604.4	21981.9	22064.1	21981.9	21604.4	21055.7	20314.9	19343.3	18270.2	17087.8



REPORT NUMBER: P627742 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19213.3	19665.2	19971.9	20075.2	19971.9	19665.2	19213.3	18607.2	17762.9	16844.9	15738.9
-25°	17412.6	17802.7	18049.5	18141.9	18049.5	17802.7	17412.6	16875.6	16177.9	15380.9	14407.5
-27.5°	15680.8	16044.4	16271.2	16301.5	16271.2	16044.4	15680.8	15207.8	14621.6	13887.7	13013.8
-30°	13976.8	14277.2	14452.0	14526.1	14452.0	14277.2	13976.8	13582.8	13076.2	12430.7	11667.8
-32.5°	12384.4	12646.8	12803.8	12845.8	12803.8	12646.8	12384.4	12044.0	11614.3	11050.8	10331.9
-35°	10881.1	11123.4	11262.6	11251.4	11262.6	11123.4	10881.1	10559.8	10155.6	9663.1	9022.3
-37.5°	9390.8	9614.4	9740.7	9728.9	9740.7	9614.4	9390.8	9092.4	8731.4	8301.8	7730.4
-40°	7912.5	8105.4	8216.6	8243.6	8216.6	8105.4	7912.5	7643.6	7316.5	6915.0	6448.6
-42.5°	6496.1	6674.2	6763.2	6728.1	6763.2	6674.2	6496.1	6265.2	5987.4	5651.2	5293.3
-45°	5212.5	5304.6	5365.2	5402.9	5365.2	5304.6	5212.5	5073.9	4875.9	4624.2	4334.3
-47.5°	4275.6	4351.9	4393.1	4400.3	4393.1	4351.9	4275.6	4167.5	4019.9	3835.8	3623.4
-50°	3549.0	3613.9	3642.6	3634.4	3642.6	3613.9	3549.0	3464.3	3355.4	3215.4	3054.0
-52.5°	2955.6	2993.2	3018.6	3031.0	3018.6	2993.2	2955.6	2901.9	2827.4	2717.1	2590.8
-55°	2498.4	2527.7	2544.8	2550.6	2544.8	2527.7	2498.4	2456.6	2401.1	2313.4	2216.0
-57.5°	2128.6	2156.5	2166.6	2163.0	2166.6	2156.5	2128.6	2092.9	2049.9	1983.8	1908.7
-60°	1808.7	1824.7	1836.6	1842.7	1836.6	1824.7	1808.7	1785.9	1756.2	1705.3	1644.7
-62.5°	1536.5	1551.4	1563.9	1571.2	1563.9	1551.4	1536.5	1515.9	1490.0	1450.6	1403.8
-65°	1263.9	1270.5	1272.3	1269.5	1272.3	1270.5	1263.9	1252.4	1236.0	1210.3	1176.6
-67.5°	1039.1	1044.7	1048.4	1049.0	1048.4	1044.7	1039.1	1030.4	1018.6	1000.8	975.4
-70°	844.8	847.1	844.4	837.8	844.4	847.1	844.8	841.3	837.7	829.5	810.0
-72.5°	631.1	608.0	584.9	559.3	584.9	608.0	631.1	653.1	674.6	686.8	672.6
-75°	463.9	424.8	410.6	396.9	410.6	424.8	463.9	501.8	538.3	564.8	554.1
-77.5°	345.0	304.3	293.4	283.1	293.4	304.3	345.0	384.2	421.7	451.3	443.7
-80°	245.2	213.4	206.4	199.6	206.4	213.4	245.2	275.8	305.2	330.5	329.2
-82.5°	161.1	138.9	134.5	130.0	134.5	138.9	161.1	182.4	202.7	220.8	218.6
-85°	86.7	76.3	74.2	71.9	74.2	76.3	86.7	96.7	106.1	114.7	112.0
-87.5°	27.0	25.4	25.5	25.5	25.5	25.4	27.0	28.6	30.0	31.4	31.5
-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: P627742 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.5	1.0	1.5	1.9	1.8	1.8	1.7	1.6
85°	0.0	0.0	0.0	0.6	1.2	1.7	2.3	2.3	2.3	2.3	2.3
82.5°	0.0	0.0	0.0	0.6	1.2	1.8	2.3	2.3	2.3	2.3	2.3
80°	0.0	0.0	0.1	0.7	1.2	1.8	2.3	2.3	2.3	2.3	2.3
77.5°	0.0	0.0	0.1	0.7	1.3	1.9	2.3	2.3	2.3	2.3	2.3
75°	0.0	0.0	0.2	0.8	1.3	1.9	2.3	2.3	2.3	2.3	2.3
72.5°	0.0	0.0	0.2	0.7	1.4	2.0	2.3	2.3	2.3	2.3	2.3
70°	0.0	0.0	0.1	0.1	0.2	0.6	1.3	1.9	2.2	2.3	2.3
67.5°	0.0	0.0	0.4	0.9	1.2	1.2	1.1	1.2	1.8	2.3	2.3
65°	0.6	0.4	0.5	1.1	1.7	2.3	2.4	2.1	2.1	2.4	2.3
62.5°	1.9	2.3	2.1	2.0	2.0	2.9	3.0	3.1	2.9	3.5	5.3
60°	7.6	3.8	8.3	9.7	7.6	7.5	13.1	12.3	4.7	17.3	21.0
57.5°	50.9	46.9	67.2	65.3	38.9	55.8	66.6	44.7	31.0	49.4	59.5
55°	222.2	217.2	211.5	199.3	182.8	170.3	167.8	167.5	133.0	96.5	109.4
52.5°	487.1	433.5	395.3	376.7	350.0	309.7	277.2	270.9	262.7	217.4	179.6
50°	625.6	615.9	574.6	511.0	505.1	464.6	408.3	369.4	364.4	333.4	276.2
47.5°	898.9	898.8	813.9	736.5	714.0	678.7	607.5	502.5	492.9	466.5	402.6
45°	1456.5	1355.3	1308.0	1158.9	996.8	934.3	874.9	748.7	645.5	605.0	560.0
42.5°	1973.4	1823.0	1698.6	1549.2	1370.6	1214.3	1102.7	964.0	839.4	753.2	688.9
40°	2457.1	2214.6	2042.2	1854.1	1659.9	1466.2	1328.1	1153.8	1011.8	896.1	828.0
37.5°	3061.8	2728.3	2537.0	2244.0	1999.2	1799.1	1622.2	1400.3	1172.1	1077.9	993.5
35°	3951.6	3556.8	3333.0	2976.7	2481.6	2304.5	2074.0	1741.8	1452.9	1291.6	1187.3
32.5°	5548.0	4957.9	4545.9	4070.1	3414.6	2948.3	2642.0	2272.4	1809.8	1577.6	1404.7
30°	7169.5	6371.5	5794.4	5311.1	4440.1	3752.9	3280.2	2757.1	2258.4	1881.4	1646.6
27.5°	8267.8	7483.7	6764.9	6070.8	5365.2	4567.4	3859.4	3187.6	2642.5	2220.9	1917.5
25°	9231.4	8344.5	7535.0	6782.9	6029.0	5253.6	4396.1	3641.3	3001.3	2519.0	2123.0
22.5°	10185.6	9242.4	8325.1	7450.2	6685.2	5855.7	4949.8	4081.2	3345.7	2846.2	2370.3
20°	11267.1	10181.0	9122.1	8295.1	7424.0	6477.8	5470.4	4642.3	3921.5	3237.2	2640.8
17.5°	12814.9	11363.7	10390.9	9459.3	8327.7	7171.2	6296.7	5428.5	4541.0	3650.4	2924.5
15°	14911.6	13412.4	12297.8	11021.3	9467.2	8273.0	7311.4	6257.2	5205.9	4139.4	3262.4
12.5°	17404.4	15585.5	14272.7	12455.2	10706.4	9414.7	8326.9	7147.0	5855.6	4581.4	3576.6
10°	18973.1	17012.3	15142.8	13397.4	11801.5	10471.2	9105.3	7664.4	6228.0	4914.9	3848.3
7.5°	19806.4	17716.6	15787.2	14041.9	12413.5	10873.7	9418.7	7967.7	6527.5	5175.5	4078.0
5°	20360.3	18239.3	16224.5	14358.8	12693.7	11143.7	9653.0	8173.2	6752.9	5367.5	4265.8
2.5°	20768.7	18579.7	16505.1	14542.7	12849.9	11306.6	9801.8	8292.9	6870.5	5470.5	4331.3
0°	20971.0	18687.3	16607.9	14665.3	12922.4	11341.9	9858.9	8336.4	6897.5	5514.3	4358.5
-2.5°	20930.4	18619.2	16520.2	14661.6	12927.1	11309.0	9866.6	8360.0	6905.0	5547.1	4377.8
-5°	20715.1	18503.1	16420.0	14558.7	12850.6	11231.0	9789.2	8308.8	6850.8	5521.0	4359.5
-7.5°	20279.0	18154.5	16133.9	14322.8	12653.8	11070.0	9632.2	8183.4	6741.1	5430.9	4305.0
-10°	19623.4	17597.5	15675.6	13961.9	12335.7	10806.8	9399.2	7971.4	6560.1	5283.0	4210.8
-12.5°	18811.7	16898.9	15066.5	13471.4	11918.9	10458.8	9083.8	7672.5	6308.4	5077.6	4076.4
-15°	17819.6	16102.9	14445.9	12899.0	11430.8	10017.0	8674.1	7300.3	5988.4	4813.0	3901.9
-17.5°	16813.5	15220.0	13665.3	12197.6	10836.5	9493.9	8191.4	6886.6	5631.3	4527.8	3697.6
-20°	15693.7	14221.9	12784.1	11452.4	10183.6	8908.3	7653.3	6398.4	5222.3	4260.8	3516.8

Classified

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

Scaled Data Report



REPORT NUMBER: P627742 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5E-727-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14478.2	13163.8	11861.9	10661.1	9473.7	8251.3	7050.1	5865.4	4749.7	3961.4	3311.8
-25°	13247.6	12053.7	10887.0	9781.8	8668.5	7514.2	6404.3	5322.8	4400.3	3678.7	3090.4
-27.5°	12011.9	10931.0	9854.4	8832.9	7784.7	6767.7	5753.5	4773.1	4022.0	3408.4	2884.0
-30°	10790.6	9814.0	8828.8	7853.3	6905.0	5976.2	5069.5	4326.9	3674.0	3119.4	2653.2
-32.5°	9532.3	8682.8	7785.1	6870.7	6009.8	5189.8	4501.1	3875.3	3310.8	2853.4	2447.8
-35°	8308.7	7527.2	6701.2	5915.6	5153.6	4539.5	3956.2	3444.4	2993.0	2588.0	2243.0
-37.5°	7059.3	6354.0	5671.1	5012.5	4468.5	3949.2	3487.8	3069.9	2680.0	2357.7	2060.7
-40°	5882.2	5268.1	4777.5	4292.8	3861.6	3446.6	3082.4	2723.4	2422.2	2138.6	1883.0
-42.5°	4874.4	4443.4	4049.0	3683.4	3329.7	3023.3	2715.9	2436.4	2173.6	1936.0	1723.6
-45°	4059.6	3751.7	3430.9	3162.5	2889.3	2645.0	2399.5	2169.3	1948.5	1754.6	1566.2
-47.5°	3414.4	3185.2	2943.7	2728.1	2523.7	2314.3	2122.9	1924.5	1753.2	1580.6	1423.5
-50°	2887.8	2718.3	2541.6	2367.2	2206.6	2035.7	1877.0	1720.8	1570.1	1426.9	1284.0
-52.5°	2453.6	2330.9	2200.2	2061.6	1933.6	1800.4	1661.7	1536.2	1406.3	1280.1	1155.1
-55°	2109.4	2011.7	1912.5	1807.7	1700.9	1591.8	1478.5	1365.7	1253.9	1138.9	1044.6
-57.5°	1826.8	1744.4	1665.7	1582.5	1495.2	1402.8	1306.4	1205.6	1114.2	1027.3	941.6
-60°	1579.2	1509.9	1446.9	1379.8	1308.6	1228.6	1149.9	1070.7	991.4	916.0	842.5
-62.5°	1355.5	1306.2	1249.5	1192.4	1136.1	1077.1	1006.4	936.6	869.4	804.6	744.1
-65°	1138.6	1096.6	1052.7	1011.8	966.6	916.3	856.5	801.9	749.2	695.9	645.8
-67.5°	946.6	914.3	879.1	842.6	806.7	766.4	722.4	677.0	634.7	591.1	553.7
-70°	788.5	765.0	737.6	705.1	672.4	639.5	605.8	570.2	531.7	492.6	462.4
-72.5°	656.8	639.5	618.1	591.1	562.2	533.3	503.4	471.8	437.9	401.6	372.6
-75°	542.3	529.5	513.1	489.3	463.8	436.8	410.5	381.7	348.8	311.5	282.2
-77.5°	435.7	427.6	417.2	397.5	377.7	357.7	334.6	300.9	267.5	235.7	214.1
-80°	326.7	323.2	316.9	300.5	283.8	266.8	248.2	222.6	198.1	175.3	157.6
-82.5°	215.5	211.6	206.4	196.4	186.7	177.3	167.7	150.4	133.5	117.0	102.8
-85°	109.2	106.0	102.8	101.1	99.2	96.9	94.0	84.1	74.6	65.6	57.7
-87.5°	31.6	31.6	31.5	31.9	32.2	32.3	32.3	29.9	27.6	25.2	23.0
-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: P627742 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	1.5	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.7
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.1	1.9	1.8	1.6	1.4
82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.1
80°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
72.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.5	2.3	2.3	2.3
67.5°	2.3	2.3	2.3	2.4	2.3	2.3	2.3	2.9	3.0	2.3	2.3
65°	2.3	2.3	2.4	3.4	3.2	2.3	2.3	4.5	3.8	3.3	2.3
62.5°	4.5	2.3	6.0	8.1	5.2	4.2	3.4	9.7	6.2	4.4	3.1
60°	10.5	8.5	16.2	24.7	17.8	7.0	10.1	16.6	15.4	5.6	4.4
57.5°	53.7	24.5	36.2	47.2	44.9	25.3	20.5	28.4	25.9	15.1	6.0
55°	111.4	94.8	75.4	75.0	75.9	60.0	42.7	44.1	39.0	27.7	8.9
52.5°	169.4	164.2	146.2	119.1	109.3	98.8	80.8	62.5	57.9	41.4	21.8
50°	241.5	228.3	214.0	186.3	151.0	137.1	118.6	95.3	78.9	57.9	36.1
47.5°	323.9	301.0	279.5	252.6	214.0	177.6	156.9	129.4	101.9	79.5	50.5
45°	452.6	377.9	348.8	317.7	278.1	232.6	196.8	163.0	132.0	101.2	65.0
42.5°	584.8	480.9	420.0	384.9	343.4	292.1	238.2	200.3	161.8	122.8	82.2
40°	717.8	589.2	496.9	453.1	410.9	351.4	291.1	239.2	190.8	145.3	100.9
37.5°	861.5	710.4	585.6	524.1	479.5	415.3	344.7	279.1	220.7	169.7	119.4
35°	1040.4	854.2	682.1	606.1	546.3	480.5	397.7	322.4	256.3	194.1	137.7
32.5°	1241.6	1012.8	820.4	695.5	614.2	546.9	454.3	371.0	293.0	218.7	155.6
30°	1441.6	1176.1	951.6	784.1	686.3	609.0	514.6	420.1	330.4	243.1	173.9
27.5°	1594.4	1317.1	1074.5	890.6	766.2	670.9	574.7	469.3	368.4	270.0	193.8
25°	1750.3	1447.6	1193.7	994.8	844.4	734.0	632.4	518.6	408.8	301.0	213.4
22.5°	1932.5	1571.5	1294.2	1088.9	927.3	798.0	687.5	568.6	449.7	331.6	232.4
20°	2110.7	1685.8	1386.8	1198.8	1017.9	869.5	741.5	616.2	489.8	361.8	250.7
17.5°	2293.4	1846.3	1540.3	1312.5	1111.5	940.1	794.9	661.3	528.7	391.1	268.4
15°	2568.7	2060.9	1695.2	1424.8	1202.0	1009.4	847.2	703.8	566.1	419.5	284.1
12.5°	2828.2	2262.9	1845.4	1534.6	1288.8	1076.5	897.8	743.7	601.9	443.0	297.2
10°	3057.6	2451.0	1989.3	1640.5	1371.3	1141.0	946.4	774.9	623.1	461.8	308.9
7.5°	3257.2	2623.5	2125.0	1741.3	1441.7	1184.6	971.2	791.3	639.2	478.3	319.1
5°	3409.9	2740.9	2199.6	1781.5	1468.1	1204.6	988.9	804.5	652.0	492.4	328.0
2.5°	3460.4	2780.0	2229.1	1804.2	1487.4	1218.9	1002.5	814.6	661.7	503.9	335.3
0°	3483.6	2798.9	2244.2	1817.2	1499.3	1227.7	1011.9	821.6	668.4	512.9	341.2
-2.5°	3509.2	2824.7	2265.5	1837.4	1511.8	1239.7	1021.8	832.5	678.1	522.9	351.0
-5°	3507.3	2829.5	2272.4	1847.2	1516.6	1246.1	1027.5	840.2	685.0	530.3	359.2
-7.5°	3470.3	2807.6	2263.7	1845.3	1513.9	1246.9	1029.1	844.8	689.3	534.9	365.7
-10°	3404.0	2762.0	2238.2	1828.5	1503.9	1241.4	1026.6	846.2	691.0	536.9	370.3
-12.5°	3310.6	2697.2	2197.2	1801.2	1486.1	1229.8	1019.1	842.3	690.0	536.3	372.9
-15°	3190.6	2613.8	2140.5	1763.4	1460.2	1212.5	1007.1	834.1	684.0	532.4	373.4
-17.5°	3045.5	2512.4	2068.2	1715.1	1426.3	1189.5	990.5	822.8	675.8	525.5	372.7
-20°	2910.8	2405.7	1984.8	1656.5	1384.5	1161.0	969.3	808.3	665.6	516.9	370.9

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REPORT NUMBER: P627742 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5E-727-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2760.2	2294.9	1910.8	1600.4	1340.2	1126.9	943.7	790.8	653.5	506.7	367.6
-25°	2587.9	2169.4	1826.3	1538.0	1297.1	1094.3	917.3	770.2	639.6	495.1	362.7
-27.5°	2426.0	2039.9	1731.6	1465.9	1247.3	1056.8	891.2	751.2	623.5	482.2	356.2
-30°	2260.7	1927.1	1640.9	1390.4	1192.4	1014.9	861.8	730.7	605.4	470.8	348.3
-32.5°	2092.8	1804.2	1543.6	1325.1	1139.3	970.0	829.8	708.8	586.5	459.6	341.8
-35°	1948.4	1683.2	1439.2	1254.8	1084.8	931.6	797.8	685.5	566.9	446.8	334.7
-37.5°	1794.8	1560.5	1357.9	1184.9	1026.4	889.7	767.1	658.1	546.8	432.6	326.1
-40°	1657.3	1446.0	1270.4	1117.4	973.8	844.5	732.9	628.9	528.1	417.0	316.0
-42.5°	1517.2	1342.0	1185.1	1044.7	921.0	803.0	695.7	597.8	503.8	402.5	304.5
-45°	1394.5	1235.4	1096.8	978.7	865.8	757.8	659.3	565.5	477.8	387.6	292.5
-47.5°	1267.7	1132.7	1014.4	909.8	811.4	710.9	620.9	535.5	450.8	371.0	280.2
-50°	1149.5	1035.3	937.0	843.2	751.4	666.9	582.5	504.7	426.3	349.2	266.3
-52.5°	1044.3	949.2	861.6	776.3	697.5	621.1	548.1	473.3	400.6	327.5	251.1
-55°	951.3	866.6	787.8	713.9	643.4	580.3	513.0	443.8	373.9	305.1	234.7
-57.5°	862.4	786.0	719.1	653.4	593.2	538.3	478.6	413.2	347.0	281.6	220.2
-60°	772.9	711.4	651.9	596.8	544.7	494.9	444.2	381.7	319.1	257.5	202.6
-62.5°	687.2	635.6	589.8	541.3	493.6	449.7	408.6	349.2	290.1	233.6	183.1
-65°	603.0	563.6	526.6	481.0	439.5	402.9	368.8	315.4	259.5	208.2	162.8
-67.5°	519.7	487.2	454.0	417.1	386.3	356.5	326.3	278.0	227.2	181.4	142.2
-70°	435.5	408.0	384.3	360.8	335.3	309.0	278.9	237.7	193.3	156.0	120.9
-72.5°	353.1	336.2	322.1	305.5	283.9	259.0	230.8	197.1	162.6	129.8	99.0
-75°	271.9	268.4	264.2	253.5	232.7	209.4	186.6	160.8	131.1	103.0	80.7
-77.5°	214.2	212.7	209.8	202.3	184.2	165.2	145.3	123.7	101.1	81.8	63.4
-80°	158.6	158.4	157.0	152.4	136.9	120.8	107.0	93.2	76.6	60.8	45.8
-82.5°	104.2	105.8	106.5	105.1	94.6	84.3	74.3	64.5	51.7	39.5	30.6
-85°	59.5	60.6	60.9	60.2	53.7	47.5	43.3	39.1	32.3	26.1	20.5
-87.5°	24.7	26.1	27.2	27.9	25.8	23.8	21.7	19.6	16.2	13.1	10.3
-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: P627742 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5E-727-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
85°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
82.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
80°	2.3	2.0	1.6	1.2	0.8	0.4	0.0
77.5°	2.3	2.3	2.0	1.5	1.0	0.5	0.0
75°	2.3	2.3	2.3	1.8	1.2	0.6	0.0
72.5°	2.3	2.3	2.3	2.1	1.4	0.7	0.0
70°	2.3	2.3	2.3	2.3	1.6	0.8	0.0
67.5°	2.5	2.3	2.3	2.3	1.8	0.9	0.0
65°	2.8	2.6	2.3	2.3	1.9	1.0	0.0
62.5°	3.2	3.1	2.3	2.3	2.1	1.1	0.0
60°	3.6	3.7	2.3	2.3	2.3	1.1	0.0
57.5°	6.3	4.4	2.9	2.3	2.3	1.2	0.0
55°	9.6	5.1	3.7	2.3	2.4	1.3	0.0
52.5°	13.4	6.4	4.4	2.3	2.4	1.4	0.0
50°	17.7	10.4	5.2	2.3	2.5	1.5	0.0
47.5°	23.6	14.7	6.0	2.5	2.5	1.6	0.0
45°	36.2	19.3	6.8	3.1	2.6	1.6	0.0
42.5°	48.7	24.1	7.7	3.8	2.7	1.7	0.0
40°	61.1	29.2	10.1	4.6	2.7	1.8	0.0
37.5°	73.5	34.5	14.1	5.6	2.8	1.8	0.0
35°	85.8	42.9	18.1	6.7	2.9	1.9	0.0
32.5°	98.7	52.6	22.2	7.8	3.0	1.9	0.0
30°	113.2	62.0	26.3	9.1	3.1	2.0	0.0
27.5°	127.3	71.2	31.0	10.4	3.3	2.0	0.0
25°	140.8	80.0	35.6	11.8	3.4	2.1	0.0
22.5°	153.9	88.6	40.2	13.2	3.5	2.1	0.0
20°	166.2	96.9	44.6	14.6	3.6	2.2	0.0
17.5°	177.7	104.8	48.8	16.1	3.8	2.2	0.0
15°	188.3	112.1	52.9	17.6	3.9	2.2	0.0
12.5°	197.9	119.0	56.7	19.0	4.0	2.2	0.0
10°	206.7	125.2	60.3	20.5	4.1	2.3	0.0
7.5°	214.5	130.8	63.7	21.8	4.3	2.3	0.0
5°	221.4	135.8	66.7	23.2	4.4	2.3	0.0
2.5°	227.2	140.2	69.5	24.4	4.5	2.3	0.0
0°	232.1	143.9	71.9	25.5	4.6	2.3	0.0
-2.5°	238.4	148.4	75.2	27.1	5.3	2.5	0.0
-5°	243.6	152.3	78.1	28.6	6.0	2.6	0.0
-7.5°	247.8	155.3	80.6	30.0	6.7	2.7	0.0
-10°	250.7	157.6	82.6	31.1	7.3	2.9	0.0
-12.5°	252.5	159.2	84.1	32.1	7.9	3.0	0.0
-15°	253.0	159.9	85.2	33.0	8.5	3.1	0.0
-17.5°	252.3	159.8	85.6	33.6	9.0	3.2	0.0
-20°	251.5	158.9	85.5	34.0	9.5	3.3	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	251.7	157.2	84.8	34.2	10.0	3.4	0.0
-25°	250.5	156.6	83.5	34.2	10.3	3.4	0.0
-27.5°	248.2	155.9	81.6	34.0	10.6	3.5	0.0
-30°	244.5	154.2	79.3	33.5	10.9	3.5	0.0
-32.5°	239.6	151.6	78.3	32.8	11.1	3.5	0.0
-35°	234.9	147.9	76.7	31.8	11.2	3.5	0.0
-37.5°	229.6	144.0	74.4	30.6	11.2	3.5	0.0
-40°	223.0	140.5	71.4	29.2	11.2	3.5	0.0
-42.5°	215.1	136.1	69.3	27.8	11.1	3.4	0.0
-45°	205.9	130.8	67.9	26.8	10.9	3.4	0.0
-47.5°	195.5	124.6	65.8	25.3	10.7	3.3	0.0
-50°	186.4	117.5	63.1	24.9	10.4	3.2	0.0
-52.5°	176.6	109.7	59.6	24.5	10.0	3.1	0.0
-55°	165.7	103.2	55.5	23.9	9.5	3.0	0.0
-57.5°	153.8	96.2	50.7	22.9	9.0	2.8	0.0
-60°	141.0	88.3	45.5	21.7	8.4	2.7	0.0
-62.5°	128.7	79.4	42.3	20.1	7.9	2.5	0.0
-65°	115.1	69.6	38.7	18.4	7.3	2.3	0.0
-67.5°	100.4	61.0	34.6	16.3	6.7	2.1	0.0
-70°	84.6	53.5	30.1	14.1	6.1	1.9	0.0
-72.5°	71.9	45.4	25.3	12.4	5.4	1.7	0.0
-75°	59.1	36.8	20.1	10.8	4.7	1.5	0.0
-77.5°	45.5	27.7	16.6	9.2	3.9	1.2	0.0
-80°	31.5	21.2	13.4	7.4	3.2	1.0	0.0
-82.5°	23.2	16.0	10.2	5.6	2.4	0.8	0.0
-85°	15.6	10.8	6.8	3.8	1.6	0.5	0.0
-87.5°	7.8	5.4	3.4	1.9	0.8	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)