

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: P627203 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3D-727-U-WR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P627203 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA3D-727-U-WR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N66  
Light Source: (48) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18813.9 lumens  
Efficiency: N/A  
Efficacy: 117.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')

NEMA Type: 6H x 6V  
Max Intensity: 18485.5 candela  
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 53.8°H x 53.6°V  
Beam Lumens: 8995.7 lumens  
Beam Efficiency: 47.8%

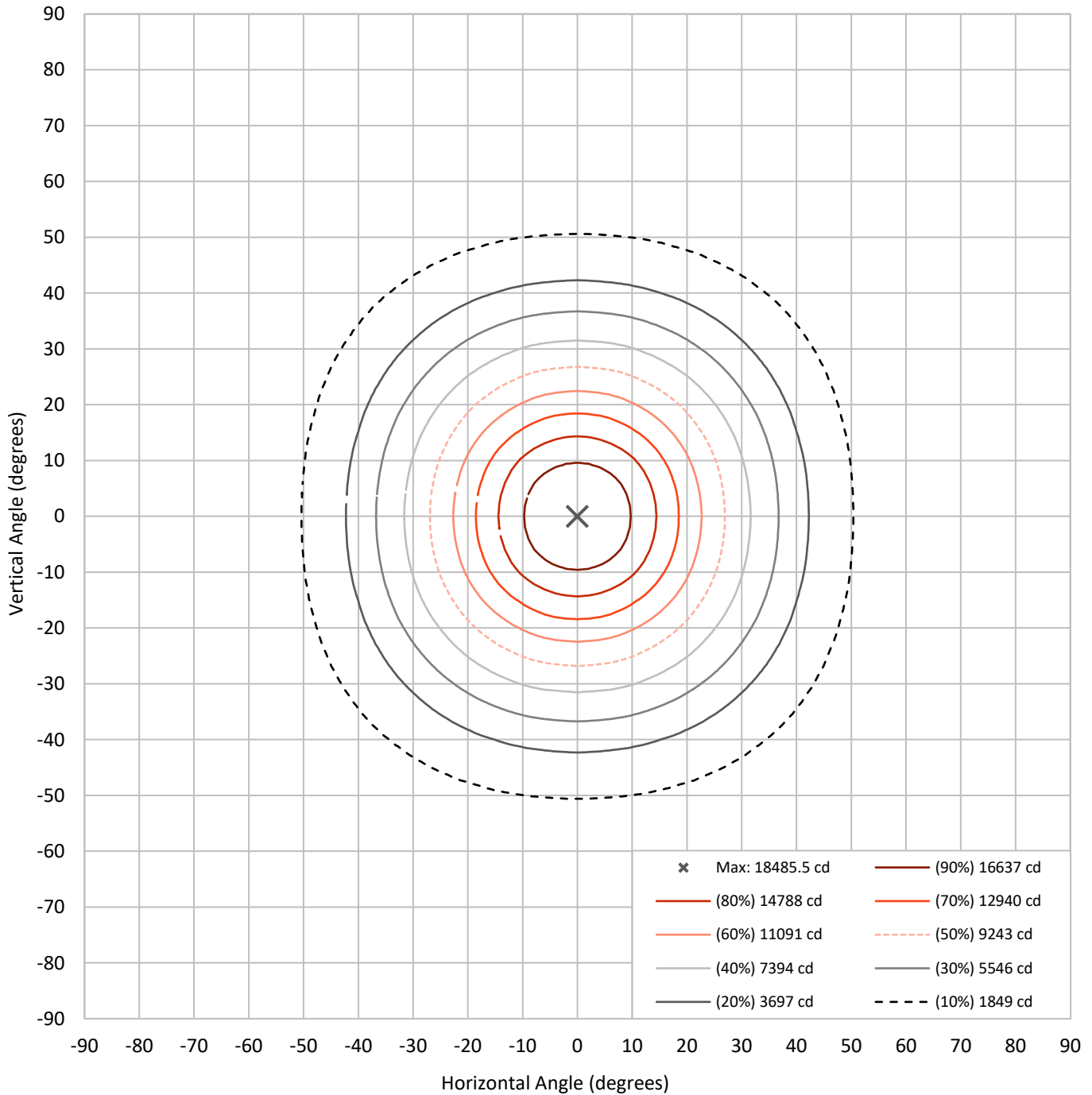
Field Angle (10%): 100.8°H x 101.2°V  
Field Lumens: 16604 lumens  
Field Efficiency: 88.3%

Input Watts (W): 160.2  
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





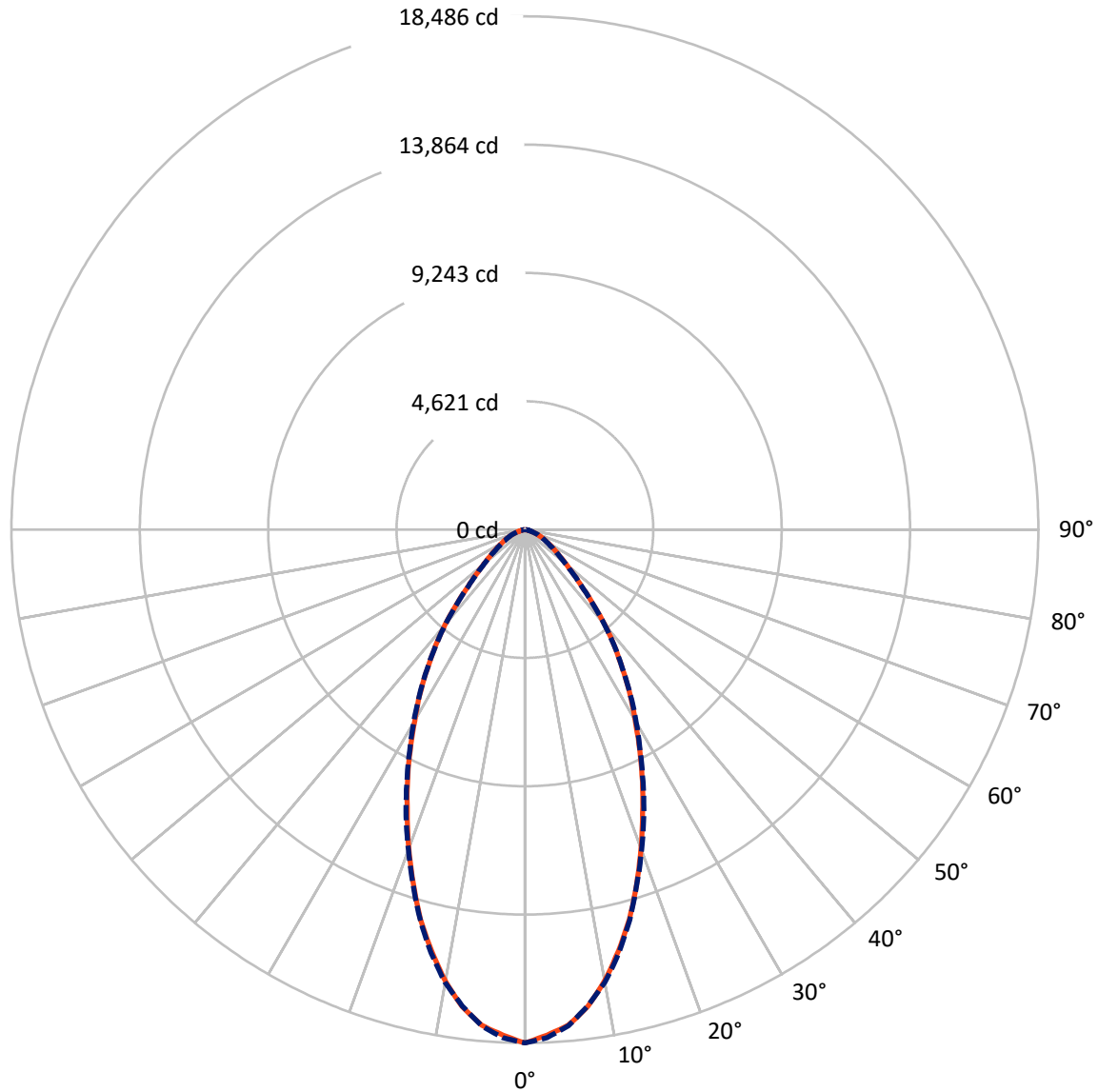
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### Lumen Table

90																			
80	0.7	5.2		11.8		19.7		16.9		19.7		11.8		5.2		0.7			
70																			
60	2.4	2.9	5.4	8.6	12.5	16.3	19.1	20.5	20.5	19.1	16.3	12.5	8.6	5.4	2.9	2.4			
		4.0	8.2	14.1	21.7	29.8	37.2	41.4	41.4	37.2	29.8	21.7	14.1	8.2	4.0				
50																			
40	3.6	5.2	11.3	21.1	35.5	54.6	75.3	89.1	89.1	75.3	54.6	35.5	21.1	11.3	5.2	3.6			
		6.3	14.8	30.6	59.6	105.9	153.8	182.5	182.5	153.8	105.9	59.6	30.6	14.8	6.3				
30																			
20	4.3	7.4	18.4	42.9	96.4	173.3	247.9	296.4	296.4	247.9	173.3	96.4	42.9	18.4	7.4	4.3			
		8.2	21.6	55.6	131.6	234.0	345.5	425.0	425.0	345.5	234.0	131.6	55.6	21.6	8.2				
10																			
0	4.5	8.6	23.4	63.9	151.5	272.0	414.0	520.6	520.6	414.0	272.0	151.5	63.9	23.4	8.6	4.5			
		8.6	23.4	63.9	151.5	272.0	414.0	520.6	520.6	414.0	272.0	151.5	63.9	23.4	8.6				
-10																			
-20	4.3	8.2	21.6	55.6	131.6	234.0	345.5	425.0	425.0	345.5	234.0	131.6	55.6	21.6	8.2	4.3			
		7.4	18.4	42.9	96.4	173.3	247.9	296.4	296.4	247.9	173.3	96.4	42.9	18.4	7.4				
-30																			
-40	3.6	6.3	14.8	30.6	59.6	105.9	153.8	182.5	182.5	153.8	105.9	59.6	30.6	14.8	6.3	3.6			
		5.2	11.3	21.1	35.5	54.6	75.3	89.1	89.1	75.3	54.6	35.5	21.1	11.3	5.2				
-50																			
-60	2.4	4.0	8.2	14.1	21.7	29.8	37.2	41.4	41.4	37.2	29.8	21.7	14.1	8.2	4.0	2.4			
		2.9	5.4	8.6	12.5	16.3	19.1	20.5	20.5	19.1	16.3	12.5	8.6	5.4	2.9				
-70																			
-80	0.7	5.2		11.8		19.7		16.9		19.7		11.8		5.2		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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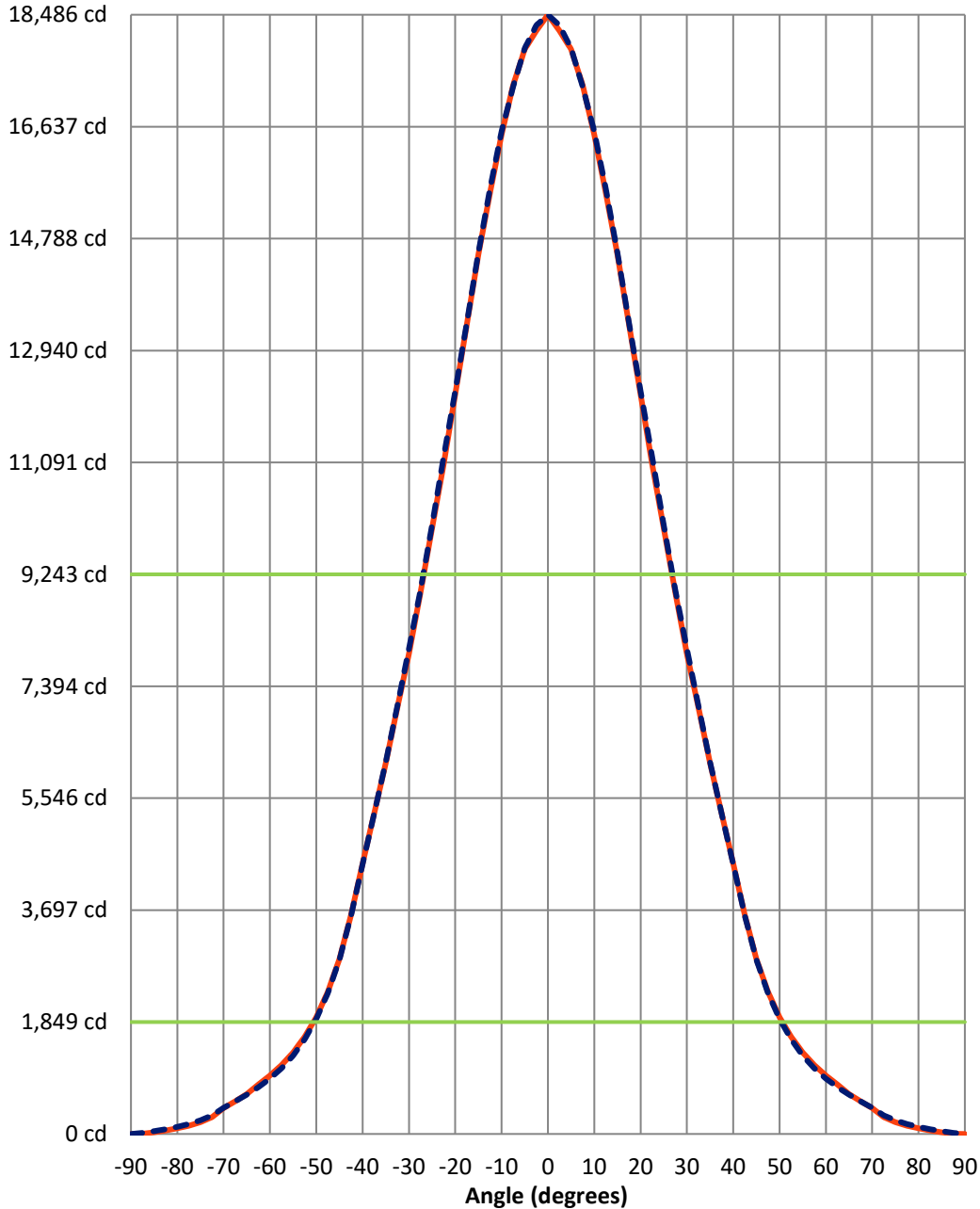
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 53.8°  
 V Angle: 53.6°  
 Lumens: 8995.7  
 Efficiency: 47.8%

**Field:**  
 H Angle: 100.8°  
 V Angle: 101.2°  
 Lumens: 16604  
 Efficiency: 88.3%

**Spill:**  
 Lumens: 2210  
 Efficiency: 11.7%

— 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	0.9	2.2	3.5	5.1	6.9	8.8	9.7	10.5	11.1	11.6
85°	0.0	1.9	4.3	7.1	10.2	13.7	17.6	19.5	21.0	22.2	23.2
82.5°	0.0	2.8	6.5	10.6	15.2	20.5	26.2	29.2	32.2	37.3	41.8
80°	0.0	3.7	8.6	14.0	20.2	27.2	35.6	44.3	51.8	58.5	64.4
77.5°	0.0	4.6	10.7	17.4	25.1	35.3	50.9	62.0	71.4	79.7	88.1
75°	0.0	5.5	12.7	20.8	30.5	46.2	65.7	79.8	91.0	102.3	114.5
72.5°	0.0	6.4	14.7	24.1	37.7	56.7	80.0	97.1	110.6	125.1	140.5
70°	0.0	7.3	16.7	27.5	44.7	66.8	93.6	113.5	129.9	147.5	168.2
67.5°	0.0	8.2	18.6	31.8	51.5	76.5	105.3	129.6	148.8	170.7	195.5
65°	0.0	9.0	20.4	35.9	57.9	85.3	116.5	145.3	167.5	193.0	221.3
62.5°	0.0	9.8	22.2	39.8	63.9	93.5	127.1	160.2	185.5	214.4	245.3
60°	0.0	10.6	23.9	43.5	69.5	101.1	137.0	174.3	202.6	235.1	268.6
57.5°	0.0	11.3	26.0	46.9	74.7	108.1	146.0	187.0	219.9	255.1	290.1
55°	0.0	12.0	28.0	50.1	79.6	114.7	154.2	197.2	236.8	274.3	310.6
52.5°	0.0	12.7	29.9	52.9	84.0	120.6	161.8	208.2	253.1	292.6	330.7
50°	0.0	13.4	31.8	55.5	88.1	126.1	168.7	218.6	268.7	310.4	352.8
47.5°	0.0	14.0	33.5	57.9	91.7	131.1	175.1	228.0	284.2	327.7	374.4
45°	0.0	14.6	35.2	60.3	94.9	135.5	182.3	236.5	295.3	346.5	395.3
42.5°	0.0	15.1	36.7	62.4	97.6	139.3	188.7	244.8	305.4	364.6	417.0
40°	0.0	15.6	38.2	64.6	100.1	142.5	194.3	252.9	315.5	381.4	437.9
37.5°	0.0	16.1	39.6	67.0	102.3	145.2	199.1	260.2	326.5	394.7	457.8
35°	0.0	16.5	40.8	69.1	104.1	148.2	203.0	266.7	337.1	409.3	478.1
32.5°	0.0	16.9	42.0	71.0	105.5	151.0	206.7	272.4	347.1	424.1	498.9
30°	0.0	17.3	43.1	72.8	106.5	153.2	210.8	277.9	356.6	439.0	518.6
27.5°	0.0	17.6	44.0	74.3	108.8	154.7	214.1	284.8	366.5	454.0	536.9
25°	0.0	17.8	44.8	75.7	111.0	155.7	216.7	291.0	377.6	468.7	554.1
22.5°	0.0	18.1	45.6	76.9	112.9	156.9	218.5	296.4	388.2	482.2	572.8
20°	0.0	18.2	46.2	77.8	114.6	159.7	219.6	300.9	398.1	494.4	589.6
17.5°	0.0	18.4	46.7	78.6	115.9	162.1	222.0	304.6	407.2	505.1	604.4
15°	0.0	18.5	47.1	79.1	117.1	163.9	225.0	308.1	415.5	514.3	617.1
12.5°	0.0	18.6	47.3	79.5	117.9	165.2	227.1	311.3	422.5	522.0	627.6
10°	0.0	18.6	47.5	79.7	118.4	166.1	228.4	313.0	427.9	528.4	636.2
7.5°	0.0	18.6	47.5	79.6	118.7	166.4	229.0	313.4	431.7	533.4	642.8
5°	0.0	18.5	47.5	79.4	118.6	166.3	228.7	312.5	433.8	536.8	647.3
2.5°	0.0	18.4	47.3	79.0	118.3	165.7	227.7	310.3	434.0	538.4	649.4
0°	0.0	18.3	47.0	78.4	117.6	164.6	226.0	307.0	432.4	538.3	649.3
-2.5°	0.0	18.4	47.3	79.0	118.3	165.7	227.7	310.3	434.0	538.4	649.4
-5°	0.0	18.5	47.5	79.4	118.6	166.3	228.7	312.5	433.8	536.8	647.3
-7.5°	0.0	18.6	47.5	79.6	118.7	166.4	229.0	313.4	431.7	533.4	642.8
-10°	0.0	18.6	47.5	79.7	118.4	166.1	228.4	313.0	427.9	528.4	636.2
-12.5°	0.0	18.6	47.3	79.5	117.9	165.2	227.1	311.3	422.5	522.0	627.6
-15°	0.0	18.5	47.1	79.1	117.1	163.9	225.0	308.1	415.5	514.3	617.1
-17.5°	0.0	18.4	46.7	78.6	115.9	162.1	222.0	304.6	407.2	505.1	604.4
-20°	0.0	18.2	46.2	77.8	114.6	159.7	219.6	300.9	398.1	494.4	589.6

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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	18.1	45.6	76.9	112.9	156.9	218.5	296.4	388.2	482.2	572.8
-25°	0.0	17.8	44.8	75.7	111.0	155.7	216.7	291.0	377.6	468.7	554.1
-27.5°	0.0	17.6	44.0	74.3	108.8	154.7	214.1	284.8	366.5	454.0	536.9
-30°	0.0	17.3	43.1	72.8	106.5	153.2	210.8	277.9	356.6	439.0	518.6
-32.5°	0.0	16.9	42.0	71.0	105.5	151.0	206.7	272.4	347.1	424.1	498.9
-35°	0.0	16.5	40.8	69.1	104.1	148.2	203.0	266.7	337.1	409.3	478.1
-37.5°	0.0	16.1	39.6	67.0	102.3	145.2	199.1	260.2	326.5	394.7	457.8
-40°	0.0	15.6	38.2	64.6	100.1	142.5	194.3	252.9	315.5	381.4	437.9
-42.5°	0.0	15.1	36.7	62.4	97.6	139.3	188.7	244.8	305.4	364.6	417.0
-45°	0.0	14.6	35.2	60.3	94.9	135.5	182.3	236.5	295.3	346.5	395.3
-47.5°	0.0	14.0	33.5	57.9	91.7	131.1	175.1	228.0	284.2	327.7	374.4
-50°	0.0	13.4	31.8	55.5	88.1	126.1	168.7	218.6	268.7	310.4	352.8
-52.5°	0.0	12.7	29.9	52.9	84.0	120.6	161.8	208.2	253.1	292.6	330.7
-55°	0.0	12.0	28.0	50.1	79.6	114.7	154.2	197.2	236.8	274.3	310.6
-57.5°	0.0	11.3	26.0	46.9	74.7	108.1	146.0	187.0	219.9	255.1	290.1
-60°	0.0	10.6	23.9	43.5	69.5	101.1	137.0	174.3	202.6	235.1	268.6
-62.5°	0.0	9.8	22.2	39.8	63.9	93.5	127.1	160.2	185.5	214.4	245.3
-65°	0.0	9.0	20.4	35.9	57.9	85.3	116.5	145.3	167.5	193.0	221.3
-67.5°	0.0	8.2	18.6	31.8	51.5	76.5	105.3	129.6	148.8	170.7	195.5
-70°	0.0	7.3	16.7	27.5	44.7	66.8	93.6	113.5	129.9	147.5	168.2
-72.5°	0.0	6.4	14.7	24.1	37.7	56.7	80.0	97.1	110.6	125.1	140.5
-75°	0.0	5.5	12.7	20.8	30.5	46.2	65.7	79.8	91.0	102.3	114.5
-77.5°	0.0	4.6	10.7	17.4	25.1	35.3	50.9	62.0	71.4	79.7	88.1
-80°	0.0	3.7	8.6	14.0	20.2	27.2	35.6	44.3	51.8	58.5	64.4
-82.5°	0.0	2.8	6.5	10.6	15.2	20.5	26.2	29.2	32.2	37.3	41.8
-85°	0.0	1.9	4.3	7.1	10.2	13.7	17.6	19.5	21.0	22.2	23.2
-87.5°	0.0	0.9	2.2	3.5	5.1	6.9	8.8	9.7	10.5	11.1	11.6
-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°	11.8	11.8	11.6	11.3	10.8	10.1	9.3	8.4	8.7	9.0	9.4
85°	23.5	23.6	25.5	27.3	28.2	28.3	27.7	26.5	30.0	33.9	38.1
82.5°	46.0	50.0	53.8	57.3	57.7	56.7	55.0	52.9	59.9	68.4	77.2
80°	70.5	76.4	83.2	89.5	91.0	90.4	88.4	85.2	94.4	107.4	121.5
77.5°	97.8	107.2	115.9	123.9	126.3	125.9	124.4	121.8	133.5	151.6	170.3
75°	126.7	138.0	149.2	159.1	163.3	163.6	163.1	165.9	181.3	202.4	221.1
72.5°	156.7	171.2	183.8	194.7	201.4	206.6	213.4	221.8	237.4	258.1	276.4
70°	188.5	204.5	217.9	229.9	240.3	251.5	266.0	280.3	296.7	317.4	336.4
67.5°	219.9	236.1	251.2	265.9	284.8	302.9	320.9	339.6	360.3	382.1	401.3
65°	249.0	267.3	285.6	307.1	331.7	352.2	374.3	398.7	425.8	450.3	472.6
62.5°	276.8	297.5	320.2	346.2	372.8	398.4	428.2	459.5	491.2	521.9	552.4
60°	300.4	326.1	353.7	383.0	413.7	448.6	483.5	520.8	558.7	595.6	633.3
57.5°	323.1	354.9	386.6	420.7	459.0	498.9	540.8	582.8	628.1	672.8	715.6
55°	346.6	384.0	420.2	460.6	504.4	551.4	598.7	649.6	699.6	755.9	807.8
52.5°	371.7	412.4	454.9	501.2	552.4	605.3	660.8	719.1	781.4	843.9	907.4
50°	396.2	442.1	489.4	544.8	602.0	662.5	726.5	794.5	866.9	939.4	1016.3
47.5°	421.8	470.8	528.6	588.7	654.3	723.1	795.7	876.5	957.0	1048.3	1136.4
45°	447.1	503.4	566.1	636.0	708.0	785.5	871.8	960.6	1063.3	1166.4	1282.2
42.5°	471.3	536.3	607.1	681.8	763.7	852.8	948.3	1059.9	1175.8	1303.3	1439.2
40°	499.2	567.8	647.5	731.0	819.8	921.5	1036.5	1160.4	1301.7	1452.8	1607.2
37.5°	526.2	603.3	687.3	777.9	880.9	995.6	1122.5	1274.3	1437.4	1609.2	1819.3
35°	551.6	637.0	728.4	827.5	939.2	1072.0	1223.8	1391.6	1579.5	1801.1	2046.3
32.5°	578.5	669.0	767.1	878.4	1004.7	1149.9	1322.2	1519.7	1742.2	1994.5	2301.2
30°	605.6	701.9	805.5	926.0	1066.6	1234.5	1430.3	1648.6	1904.5	2221.1	2581.1
27.5°	630.6	732.6	846.2	976.4	1126.7	1312.5	1534.2	1790.2	2091.6	2449.3	2869.8
25°	653.7	760.6	883.5	1024.5	1193.0	1396.8	1637.2	1920.6	2278.8	2705.3	3222.7
22.5°	675.7	786.2	917.3	1067.7	1252.7	1478.3	1748.9	2073.2	2469.1	2947.8	3568.3
20°	696.3	813.7	950.8	1109.0	1306.0	1552.0	1851.6	2215.7	2666.2	3233.0	3907.2
17.5°	714.4	838.1	982.5	1153.7	1365.5	1626.8	1948.5	2341.5	2841.7	3487.6	4220.0
15°	729.9	859.0	1010.0	1192.4	1419.1	1701.2	2050.2	2479.4	3024.7	3719.1	4494.5
12.5°	742.9	876.6	1033.1	1224.9	1464.1	1764.1	2137.0	2602.4	3203.0	3937.2	4735.6
10°	753.2	890.7	1051.6	1251.2	1500.4	1815.2	2208.6	2702.9	3351.3	4124.1	4939.6
7.5°	761.8	901.7	1065.9	1271.2	1527.9	1854.2	2264.3	2780.5	3467.3	4272.1	5096.1
5°	767.9	909.6	1076.7	1285.1	1548.0	1881.4	2303.2	2834.8	3549.7	4379.4	5203.1
2.5°	771.4	913.9	1082.9	1292.5	1560.4	1896.7	2323.7	2868.8	3595.0	4440.6	5267.8
0°	772.1	914.5	1084.4	1293.4	1563.9	1899.6	2326.9	2879.5	3604.6	4456.4	5291.3
-2.5°	771.4	913.9	1082.9	1292.5	1560.4	1896.7	2323.7	2868.8	3595.0	4440.6	5267.8
-5°	767.9	909.6	1076.7	1285.1	1548.0	1881.4	2303.2	2834.8	3549.7	4379.4	5203.1
-7.5°	761.8	901.7	1065.9	1271.2	1527.9	1854.2	2264.3	2780.5	3467.3	4272.1	5096.1
-10°	753.2	890.7	1051.6	1251.2	1500.4	1815.2	2208.6	2702.9	3351.3	4124.1	4939.6
-12.5°	742.9	876.6	1033.1	1224.9	1464.1	1764.1	2137.0	2602.4	3203.0	3937.2	4735.6
-15°	729.9	859.0	1010.0	1192.4	1419.1	1701.2	2050.2	2479.4	3024.7	3719.1	4494.5
-17.5°	714.4	838.1	982.5	1153.7	1365.5	1626.8	1948.5	2341.5	2841.7	3487.6	4220.0
-20°	696.3	813.7	950.8	1109.0	1306.0	1552.0	1851.6	2215.7	2666.2	3233.0	3907.2

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

Scaled Data Report



REPORT NUMBER: P627203 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	675.7	786.2	917.3	1067.7	1252.7	1478.3	1748.9	2073.2	2469.1	2947.8	3568.3
-25°	653.7	760.6	883.5	1024.5	1193.0	1396.8	1637.2	1920.6	2278.8	2705.3	3222.7
-27.5°	630.6	732.6	846.2	976.4	1126.7	1312.5	1534.2	1790.2	2091.6	2449.3	2869.8
-30°	605.6	701.9	805.5	926.0	1066.6	1234.5	1430.3	1648.6	1904.5	2221.1	2581.1
-32.5°	578.5	669.0	767.1	878.4	1004.7	1149.9	1322.2	1519.7	1742.2	1994.5	2301.2
-35°	551.6	637.0	728.4	827.5	939.2	1072.0	1223.8	1391.6	1579.5	1801.1	2046.3
-37.5°	526.2	603.3	687.3	777.9	880.9	995.6	1122.5	1274.3	1437.4	1609.2	1819.3
-40°	499.2	567.8	647.5	731.0	819.8	921.5	1036.5	1160.4	1301.7	1452.8	1607.2
-42.5°	471.3	536.3	607.1	681.8	763.7	852.8	948.3	1059.9	1175.8	1303.3	1439.2
-45°	447.1	503.4	566.1	636.0	708.0	785.5	871.8	960.6	1063.3	1166.4	1282.2
-47.5°	421.8	470.8	528.6	588.7	654.3	723.1	795.7	876.5	957.0	1048.3	1136.4
-50°	396.2	442.1	489.4	544.8	602.0	662.5	726.5	794.5	866.9	939.4	1016.3
-52.5°	371.7	412.4	454.9	501.2	552.4	605.3	660.8	719.1	781.4	843.9	907.4
-55°	346.6	384.0	420.2	460.6	504.4	551.4	598.7	649.6	699.6	755.9	807.8
-57.5°	323.1	354.9	386.6	420.7	459.0	498.9	540.8	582.8	628.1	672.8	715.6
-60°	300.4	326.1	353.7	383.0	413.7	448.6	483.5	520.8	558.7	595.6	633.3
-62.5°	276.8	297.5	320.2	346.2	372.8	398.4	428.2	459.5	491.2	521.9	552.4
-65°	249.0	267.3	285.6	307.1	331.7	352.2	374.3	398.7	425.8	450.3	472.6
-67.5°	219.9	236.1	251.2	265.9	284.8	302.9	320.9	339.6	360.3	382.1	401.3
-70°	188.5	204.5	217.9	229.9	240.3	251.5	266.0	280.3	296.7	317.4	336.4
-72.5°	156.7	171.2	183.8	194.7	201.4	206.6	213.4	221.8	237.4	258.1	276.4
-75°	126.7	138.0	149.2	159.1	163.3	163.6	163.1	165.9	181.3	202.4	221.1
-77.5°	97.8	107.2	115.9	123.9	126.3	125.9	124.4	121.8	133.5	151.6	170.3
-80°	70.5	76.4	83.2	89.5	91.0	90.4	88.4	85.2	94.4	107.4	121.5
-82.5°	46.0	50.0	53.8	57.3	57.7	56.7	55.0	52.9	59.9	68.4	77.2
-85°	23.5	23.6	25.5	27.3	28.2	28.3	27.7	26.5	30.0	33.9	38.1
-87.5°	11.8	11.8	11.6	11.3	10.8	10.1	9.3	8.4	8.7	9.0	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



REPORT NUMBER: P627203 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-727-U-WR-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°	9.7	9.4	9.1	8.7	8.3	8.1	7.9	7.8	7.5	7.0	6.4
85°	42.5	43.5	44.0	44.2	44.2	45.7	47.0	48.2	49.3	44.6	39.6
82.5°	86.4	90.5	94.0	97.6	101.0	103.5	105.3	106.6	107.5	97.3	85.8
80°	136.0	144.5	151.6	158.3	164.8	166.4	166.4	165.5	163.7	149.8	134.0
77.5°	189.1	200.3	209.1	217.9	226.6	229.8	231.3	232.5	233.2	216.0	194.8
75°	237.3	250.6	263.0	274.5	285.1	290.8	294.1	296.8	298.9	281.6	258.8
72.5°	292.3	306.4	319.8	332.5	343.8	351.2	356.1	360.1	363.2	353.4	339.1
70°	352.7	367.3	381.4	394.7	407.4	417.4	425.3	432.1	437.8	438.9	438.4
67.5°	419.8	437.0	453.9	468.3	483.4	497.6	510.0	520.4	528.7	534.1	537.1
65°	495.2	521.1	544.1	563.5	579.8	598.7	615.4	628.1	637.1	643.9	649.8
62.5°	584.0	615.3	641.6	667.6	694.4	720.5	736.8	753.2	769.1	784.2	797.1
60°	669.4	703.7	739.3	772.5	803.3	831.5	860.8	886.7	909.4	928.4	942.5
57.5°	760.4	802.2	842.7	884.9	924.6	961.5	997.7	1031.1	1059.9	1084.2	1104.0
55°	859.2	910.3	958.5	1012.0	1063.9	1111.2	1154.8	1199.4	1239.7	1275.0	1303.1
52.5°	965.7	1032.3	1096.0	1158.9	1226.1	1286.8	1341.1	1403.0	1457.9	1503.2	1538.6
50°	1093.0	1171.1	1255.3	1333.2	1418.0	1501.5	1578.5	1653.1	1726.1	1789.2	1840.2
47.5°	1237.8	1334.0	1438.2	1541.5	1646.8	1761.0	1862.9	1957.5	2059.5	2148.1	2219.2
45°	1398.8	1521.4	1647.4	1792.5	1926.2	2072.9	2208.6	2330.6	2475.2	2602.7	2705.3
42.5°	1577.4	1740.8	1906.4	2089.2	2266.5	2452.8	2650.6	2826.1	3018.0	3200.9	3348.7
40°	1798.8	1994.1	2215.9	2437.1	2691.7	2930.9	3219.1	3481.0	3718.8	3936.9	4115.6
37.5°	2044.8	2296.2	2574.8	2863.0	3211.4	3552.9	3890.2	4208.7	4489.9	4728.6	4928.8
35°	2324.1	2643.5	2981.0	3401.8	3810.0	4219.0	4600.0	4948.0	5253.8	5523.1	5752.2
32.5°	2645.3	3028.7	3501.2	3973.9	4439.5	4889.8	5308.1	5687.7	6023.1	6325.5	6588.8
30°	2983.1	3506.2	4036.5	4555.1	5063.6	5556.8	6015.9	6434.1	6813.0	7149.6	7453.0
27.5°	3412.3	3992.0	4570.3	5129.3	5688.7	6228.5	6726.0	7190.5	7625.4	8005.9	8352.7
25°	3827.4	4467.8	5082.6	5692.1	6301.0	6880.6	7436.9	7961.6	8459.6	8896.3	9283.5
22.5°	4242.5	4912.8	5569.8	6225.1	6879.2	7525.3	8150.0	8751.1	9308.0	9805.3	10241.1
20°	4626.9	5327.7	6030.2	6736.7	7445.7	8152.9	8854.5	9531.0	10151.4	10725.5	11230.0
17.5°	4971.5	5716.8	6461.6	7217.3	7986.0	8753.8	9533.1	10291.4	11000.8	11653.9	12239.2
15°	5276.8	6054.4	6854.3	7669.8	8495.2	9329.1	10179.5	11027.9	11826.4	12568.3	13221.6
12.5°	5543.6	6352.1	7190.5	8056.9	8952.8	9861.2	10789.3	11719.3	12603.3	13459.8	14165.3
10°	5763.8	6605.3	7481.5	8391.9	9336.7	10314.4	11310.1	12311.2	13285.1	14193.7	15000.5
7.5°	5933.9	6806.9	7709.8	8656.6	9647.8	10678.9	11733.6	12796.0	13835.3	14814.4	15707.0
5°	6053.9	6953.6	7867.9	8852.8	9878.4	10946.9	12043.1	13150.3	14236.7	15266.1	16191.2
2.5°	6123.5	7041.7	7959.9	8972.0	10015.6	11109.0	12235.0	13360.3	14475.4	15543.2	16493.8
0°	6141.8	7068.1	8012.7	8984.7	10058.7	11184.9	12270.6	13399.4	14558.2	15611.2	16558.5
-2.5°	6123.5	7041.7	7959.9	8972.0	10015.6	11109.0	12235.0	13360.3	14475.4	15543.2	16493.8
-5°	6053.9	6953.6	7867.9	8852.8	9878.4	10946.9	12043.1	13150.3	14236.7	15266.1	16191.2
-7.5°	5933.9	6806.9	7709.8	8656.6	9647.8	10678.9	11733.6	12796.0	13835.3	14814.4	15707.0
-10°	5763.8	6605.3	7481.5	8391.9	9336.7	10314.4	11310.1	12311.2	13285.1	14193.7	15000.5
-12.5°	5543.6	6352.1	7190.5	8056.9	8952.8	9861.2	10789.3	11719.3	12603.3	13459.8	14165.3
-15°	5276.8	6054.4	6854.3	7669.8	8495.2	9329.1	10179.5	11027.9	11826.4	12568.3	13221.6
-17.5°	4971.5	5716.8	6461.6	7217.3	7986.0	8753.8	9533.1	10291.4	11000.8	11653.9	12239.2
-20°	4626.9	5327.7	6030.2	6736.7	7445.7	8152.9	8854.5	9531.0	10151.4	10725.5	11230.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627203 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4242.5	4912.8	5569.8	6225.1	6879.2	7525.3	8150.0	8751.1	9308.0	9805.3	10241.1
-25°	3827.4	4467.8	5082.6	5692.1	6301.0	6880.6	7436.9	7961.6	8459.6	8896.3	9283.5
-27.5°	3412.3	3992.0	4570.3	5129.3	5688.7	6228.5	6726.0	7190.5	7625.4	8005.9	8352.7
-30°	2983.1	3506.2	4036.5	4555.1	5063.6	5556.8	6015.9	6434.1	6813.0	7149.6	7453.0
-32.5°	2645.3	3028.7	3501.2	3973.9	4439.5	4889.8	5308.1	5687.7	6023.1	6325.5	6588.8
-35°	2324.1	2643.5	2981.0	3401.8	3810.0	4219.0	4600.0	4948.0	5253.8	5523.1	5752.2
-37.5°	2044.8	2296.2	2574.8	2863.0	3211.4	3552.9	3890.2	4208.7	4489.9	4728.6	4928.8
-40°	1798.8	1994.1	2215.9	2437.1	2691.7	2930.9	3219.1	3481.0	3718.8	3936.9	4115.6
-42.5°	1577.4	1740.8	1906.4	2089.2	2266.5	2452.8	2650.6	2826.1	3018.0	3200.9	3348.7
-45°	1398.8	1521.4	1647.4	1792.5	1926.2	2072.9	2208.6	2330.6	2475.2	2602.7	2705.3
-47.5°	1237.8	1334.0	1438.2	1541.5	1646.8	1761.0	1862.9	1957.5	2059.5	2148.1	2219.2
-50°	1093.0	1171.1	1255.3	1333.2	1418.0	1501.5	1578.5	1653.1	1726.1	1789.2	1840.2
-52.5°	965.7	1032.3	1096.0	1158.9	1226.1	1286.8	1341.1	1403.0	1457.9	1503.2	1538.6
-55°	859.2	910.3	958.5	1012.0	1063.9	1111.2	1154.8	1199.4	1239.7	1275.0	1303.1
-57.5°	760.4	802.2	842.7	884.9	924.6	961.5	997.7	1031.1	1059.9	1084.2	1104.0
-60°	669.4	703.7	739.3	772.5	803.3	831.5	860.8	886.7	909.4	928.4	942.5
-62.5°	584.0	615.3	641.6	667.6	694.4	720.5	736.8	753.2	769.1	784.2	797.1
-65°	495.2	521.1	544.1	563.5	579.8	598.7	615.4	628.1	637.1	643.9	649.8
-67.5°	419.8	437.0	453.9	468.3	483.4	497.6	510.0	520.4	528.7	534.1	537.1
-70°	352.7	367.3	381.4	394.7	407.4	417.4	425.3	432.1	437.8	438.9	438.4
-72.5°	292.3	306.4	319.8	332.5	343.8	351.2	356.1	360.1	363.2	353.4	339.1
-75°	237.3	250.6	263.0	274.5	285.1	290.8	294.1	296.8	298.9	281.6	258.8
-77.5°	189.1	200.3	209.1	217.9	226.6	229.8	231.3	232.5	233.2	216.0	194.8
-80°	136.0	144.5	151.6	158.3	164.8	166.4	166.4	165.5	163.7	149.8	134.0
-82.5°	86.4	90.5	94.0	97.6	101.0	103.5	105.3	106.6	107.5	97.3	85.8
-85°	42.5	43.5	44.0	44.2	44.2	45.7	47.0	48.2	49.3	44.6	39.6
-87.5°	9.7	9.4	9.1	8.7	8.3	8.1	7.9	7.8	7.5	7.0	6.4
-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: P627203 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-727-U-WR-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°	5.8	5.2	4.5	3.9	4.5	5.2	5.8	6.4	7.0	7.5	7.8
85°	34.2	28.6	28.0	27.4	28.0	28.6	34.2	39.6	44.6	49.3	48.2
82.5°	73.8	61.2	59.4	57.5	59.4	61.2	73.8	85.8	97.3	107.5	106.6
80°	117.5	100.5	97.3	94.1	97.3	100.5	117.5	134.0	149.8	163.7	165.5
77.5°	172.4	149.1	142.3	135.9	142.3	149.1	172.4	194.8	216.0	233.2	232.5
75°	235.2	210.7	202.4	194.7	202.4	210.7	235.2	258.8	281.6	298.9	296.8
72.5°	324.7	309.8	294.8	278.3	294.8	309.8	324.7	339.1	353.4	363.2	360.1
70°	437.9	436.9	433.1	427.2	433.1	436.9	437.9	438.4	438.9	437.8	432.1
67.5°	538.5	538.0	539.3	539.6	539.3	538.0	538.5	537.1	534.1	528.7	520.4
65°	653.3	654.6	657.3	658.5	657.3	654.6	653.3	649.8	643.9	637.1	628.1
62.5°	807.0	813.7	817.0	816.6	817.0	813.7	807.0	797.1	784.2	769.1	753.2
60°	953.1	960.0	964.4	965.5	964.4	960.0	953.1	942.5	928.4	909.4	886.7
57.5°	1119.7	1131.1	1137.1	1138.0	1137.1	1131.1	1119.7	1104.0	1084.2	1059.9	1031.1
55°	1324.7	1339.7	1346.5	1345.7	1346.5	1339.7	1324.7	1303.1	1275.0	1239.7	1199.4
52.5°	1565.3	1583.6	1597.3	1605.7	1597.3	1583.6	1565.3	1538.6	1503.2	1457.9	1403.0
50°	1878.6	1904.9	1921.6	1928.4	1921.6	1904.9	1878.6	1840.2	1789.2	1726.1	1653.1
47.5°	2270.5	2305.3	2331.1	2349.1	2331.1	2305.3	2270.5	2219.2	2148.1	2059.5	1957.5
45°	2781.1	2834.2	2870.2	2891.3	2870.2	2834.2	2781.1	2705.3	2602.7	2475.2	2330.6
42.5°	3464.1	3546.5	3597.0	3616.4	3597.0	3546.5	3464.1	3348.7	3200.9	3018.0	2826.1
40°	4256.8	4355.8	4420.7	4465.6	4420.7	4355.8	4256.8	4115.6	3936.9	3718.8	3481.0
37.5°	5082.5	5186.5	5249.7	5292.6	5249.7	5186.5	5082.5	4928.8	4728.6	4489.9	4208.7
35°	5924.8	6033.6	6092.9	6126.1	6092.9	6033.6	5924.8	5752.2	5523.1	5253.8	4948.0
32.5°	6789.6	6909.5	6974.0	7040.7	6974.0	6909.5	6789.6	6588.8	6325.5	6023.1	5687.7
30°	7692.8	7830.4	7897.9	7930.4	7897.9	7830.4	7692.8	7453.0	7149.6	6813.0	6434.1
27.5°	8632.6	8804.1	8888.6	8944.2	8888.6	8804.1	8632.6	8352.7	8005.9	7625.4	7190.5
25°	9610.5	9823.0	9919.8	10006.4	9919.8	9823.0	9610.5	9283.5	8896.3	8459.6	7961.6
22.5°	10625.1	10889.8	11001.9	11063.4	11001.9	10889.8	10625.1	10241.1	9805.3	9308.0	8751.1
20°	11666.2	11982.4	12138.2	12218.3	12138.2	11982.4	11666.2	11230.0	10725.5	10151.4	9531.0
17.5°	12730.8	13124.2	13325.7	13371.9	13325.7	13124.2	12730.8	12239.2	11653.9	11000.8	10291.4
15°	13775.9	14201.4	14439.6	14526.9	14439.6	14201.4	13775.9	13221.6	12568.3	11826.4	11027.9
12.5°	14765.7	15206.7	15491.3	15542.0	15491.3	15206.7	14765.7	14165.3	13459.8	12603.3	11719.3
10°	15663.3	16120.2	16434.5	16506.2	16434.5	16120.2	15663.3	15000.5	14193.7	13285.1	12311.2
7.5°	16413.7	16915.1	17262.3	17322.7	17262.3	16915.1	16413.7	15707.0	14814.4	13835.3	12796.0
5°	16962.8	17558.0	17843.0	17914.6	17843.0	17558.0	16962.8	16191.2	15266.1	14236.7	13150.3
2.5°	17264.0	17869.8	18266.0	18220.3	18266.0	17869.8	17264.0	16493.8	15543.2	14475.4	13360.3
0°	17297.9	17931.6	18310.5	18485.5	18310.5	17931.6	17297.9	16558.5	15611.2	14558.2	13399.4
-2.5°	17264.0	17869.8	18266.0	18220.3	18266.0	17869.8	17264.0	16493.8	15543.2	14475.4	13360.3
-5°	16962.8	17558.0	17843.0	17914.6	17843.0	17558.0	16962.8	16191.2	15266.1	14236.7	13150.3
-7.5°	16413.7	16915.1	17262.3	17322.7	17262.3	16915.1	16413.7	15707.0	14814.4	13835.3	12796.0
-10°	15663.3	16120.2	16434.5	16506.2	16434.5	16120.2	15663.3	15000.5	14193.7	13285.1	12311.2
-12.5°	14765.7	15206.7	15491.3	15542.0	15491.3	15206.7	14765.7	14165.3	13459.8	12603.3	11719.3
-15°	13775.9	14201.4	14439.6	14526.9	14439.6	14201.4	13775.9	13221.6	12568.3	11826.4	11027.9
-17.5°	12730.8	13124.2	13325.7	13371.9	13325.7	13124.2	12730.8	12239.2	11653.9	11000.8	10291.4
-20°	11666.2	11982.4	12138.2	12218.3	12138.2	11982.4	11666.2	11230.0	10725.5	10151.4	9531.0



REPORT NUMBER: P627203 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	10625.1	10889.8	11001.9	11063.4	11001.9	10889.8	10625.1	10241.1	9805.3	9308.0	8751.1
-25°	9610.5	9823.0	9919.8	10006.4	9919.8	9823.0	9610.5	9283.5	8896.3	8459.6	7961.6
-27.5°	8632.6	8804.1	8888.6	8944.2	8888.6	8804.1	8632.6	8352.7	8005.9	7625.4	7190.5
-30°	7692.8	7830.4	7897.9	7930.4	7897.9	7830.4	7692.8	7453.0	7149.6	6813.0	6434.1
-32.5°	6789.6	6909.5	6974.0	7040.7	6974.0	6909.5	6789.6	6588.8	6325.5	6023.1	5687.7
-35°	5924.8	6033.6	6092.9	6126.1	6092.9	6033.6	5924.8	5752.2	5523.1	5253.8	4948.0
-37.5°	5082.5	5186.5	5249.7	5292.6	5249.7	5186.5	5082.5	4928.8	4728.6	4489.9	4208.7
-40°	4256.8	4355.8	4420.7	4465.6	4420.7	4355.8	4256.8	4115.6	3936.9	3718.8	3481.0
-42.5°	3464.1	3546.5	3597.0	3616.4	3597.0	3546.5	3464.1	3348.7	3200.9	3018.0	2826.1
-45°	2781.1	2834.2	2870.2	2891.3	2870.2	2834.2	2781.1	2705.3	2602.7	2475.2	2330.6
-47.5°	2270.5	2305.3	2331.1	2349.1	2331.1	2305.3	2270.5	2219.2	2148.1	2059.5	1957.5
-50°	1878.6	1904.9	1921.6	1928.4	1921.6	1904.9	1878.6	1840.2	1789.2	1726.1	1653.1
-52.5°	1565.3	1583.6	1597.3	1605.7	1597.3	1583.6	1565.3	1538.6	1503.2	1457.9	1403.0
-55°	1324.7	1339.7	1346.5	1345.7	1346.5	1339.7	1324.7	1303.1	1275.0	1239.7	1199.4
-57.5°	1119.7	1131.1	1137.1	1138.0	1137.1	1131.1	1119.7	1104.0	1084.2	1059.9	1031.1
-60°	953.1	960.0	964.4	965.5	964.4	960.0	953.1	942.5	928.4	909.4	886.7
-62.5°	807.0	813.7	817.0	816.6	817.0	813.7	807.0	797.1	784.2	769.1	753.2
-65°	653.3	654.6	657.3	658.5	657.3	654.6	653.3	649.8	643.9	637.1	628.1
-67.5°	538.5	538.0	539.3	539.6	539.3	538.0	538.5	537.1	534.1	528.7	520.4
-70°	437.9	436.9	433.1	427.2	433.1	436.9	437.9	438.4	438.9	437.8	432.1
-72.5°	324.7	309.8	294.8	278.3	294.8	309.8	324.7	339.1	353.4	363.2	360.1
-75°	235.2	210.7	202.4	194.7	202.4	210.7	235.2	258.8	281.6	298.9	296.8
-77.5°	172.4	149.1	142.3	135.9	142.3	149.1	172.4	194.8	216.0	233.2	232.5
-80°	117.5	100.5	97.3	94.1	97.3	100.5	117.5	134.0	149.8	163.7	165.5
-82.5°	73.8	61.2	59.4	57.5	59.4	61.2	73.8	85.8	97.3	107.5	106.6
-85°	34.2	28.6	28.0	27.4	28.0	28.6	34.2	39.6	44.6	49.3	48.2
-87.5°	5.8	5.2	4.5	3.9	4.5	5.2	5.8	6.4	7.0	7.5	7.8
-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: P627203 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-727-U-WR-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°	7.9	8.1	8.3	8.7	9.1	9.4	9.7	9.4	9.0	8.7	8.4
85°	47.0	45.7	44.2	44.2	44.0	43.5	42.5	38.1	33.9	30.0	26.5
82.5°	105.3	103.5	101.0	97.6	94.0	90.5	86.4	77.2	68.4	59.9	52.9
80°	166.4	166.4	164.8	158.3	151.6	144.5	136.0	121.5	107.4	94.4	85.2
77.5°	231.3	229.8	226.6	217.9	209.1	200.3	189.1	170.3	151.6	133.5	121.8
75°	294.1	290.8	285.1	274.5	263.0	250.6	237.3	221.1	202.4	181.3	165.9
72.5°	356.1	351.2	343.8	332.5	319.8	306.4	292.3	276.4	258.1	237.4	221.8
70°	425.3	417.4	407.4	394.7	381.4	367.3	352.7	336.4	317.4	296.7	280.3
67.5°	510.0	497.6	483.4	468.3	453.9	437.0	419.8	401.3	382.1	360.3	339.6
65°	615.4	598.7	579.8	563.5	544.1	521.1	495.2	472.6	450.3	425.8	398.7
62.5°	736.8	720.5	694.4	667.6	641.6	615.3	584.0	552.4	521.9	491.2	459.5
60°	860.8	831.5	803.3	772.5	739.3	703.7	669.4	633.3	595.6	558.7	520.8
57.5°	997.7	961.5	924.6	884.9	842.7	802.2	760.4	715.6	672.8	628.1	582.8
55°	1154.8	1111.2	1063.9	1012.0	958.5	910.3	859.2	807.8	755.9	699.6	649.6
52.5°	1341.1	1286.8	1226.1	1158.9	1096.0	1032.3	965.7	907.4	843.9	781.4	719.1
50°	1578.5	1501.5	1418.0	1333.2	1255.3	1171.1	1093.0	1016.3	939.4	866.9	794.5
47.5°	1862.9	1761.0	1646.8	1541.5	1438.2	1334.0	1237.8	1136.4	1048.3	957.0	876.5
45°	2208.6	2072.9	1926.2	1792.5	1647.4	1521.4	1398.8	1282.2	1166.4	1063.3	960.6
42.5°	2650.6	2452.8	2266.5	2089.2	1906.4	1740.8	1577.4	1439.2	1303.3	1175.8	1059.9
40°	3219.1	2930.9	2691.7	2437.1	2215.9	1994.1	1798.8	1607.2	1452.8	1301.7	1160.4
37.5°	3890.2	3552.9	3211.4	2863.0	2574.8	2296.2	2044.8	1819.3	1609.2	1437.4	1274.3
35°	4600.0	4219.0	3810.0	3401.8	2981.0	2643.5	2324.1	2046.3	1801.1	1579.5	1391.6
32.5°	5308.1	4889.8	4439.5	3973.9	3501.2	3028.7	2645.3	2301.2	1994.5	1742.2	1519.7
30°	6015.9	5556.8	5063.6	4555.1	4036.5	3506.2	2983.1	2581.1	2221.1	1904.5	1648.6
27.5°	6726.0	6228.5	5688.7	5129.3	4570.3	3992.0	3412.3	2869.8	2449.3	2091.6	1790.2
25°	7436.9	6880.6	6301.0	5692.1	5082.6	4467.8	3827.4	3222.7	2705.3	2278.8	1920.6
22.5°	8150.0	7525.3	6879.2	6225.1	5569.8	4912.8	4242.5	3568.3	2947.8	2469.1	2073.2
20°	8854.5	8152.9	7445.7	6736.7	6030.2	5327.7	4626.9	3907.2	3233.0	2666.2	2215.7
17.5°	9533.1	8753.8	7986.0	7217.3	6461.6	5716.8	4971.5	4220.0	3487.6	2841.7	2341.5
15°	10179.5	9329.1	8495.2	7669.8	6854.3	6054.4	5276.8	4494.5	3719.1	3024.7	2479.4
12.5°	10789.3	9861.2	8952.8	8056.9	7190.5	6352.1	5543.6	4735.6	3937.2	3203.0	2602.4
10°	11310.1	10314.4	9336.7	8391.9	7481.5	6605.3	5763.8	4939.6	4124.1	3351.3	2702.9
7.5°	11733.6	10678.9	9647.8	8656.6	7709.8	6806.9	5933.9	5096.1	4272.1	3467.3	2780.5
5°	12043.1	10946.9	9878.4	8852.8	7867.9	6953.6	6053.9	5203.1	4379.4	3549.7	2834.8
2.5°	12235.0	11109.0	10015.6	8972.0	7959.9	7041.7	6123.5	5267.8	4440.6	3595.0	2868.8
0°	12270.6	11184.9	10058.7	8984.7	8012.7	7068.1	6141.8	5291.3	4456.4	3604.6	2879.5
-2.5°	12235.0	11109.0	10015.6	8972.0	7959.9	7041.7	6123.5	5267.8	4440.6	3595.0	2868.8
-5°	12043.1	10946.9	9878.4	8852.8	7867.9	6953.6	6053.9	5203.1	4379.4	3549.7	2834.8
-7.5°	11733.6	10678.9	9647.8	8656.6	7709.8	6806.9	5933.9	5096.1	4272.1	3467.3	2780.5
-10°	11310.1	10314.4	9336.7	8391.9	7481.5	6605.3	5763.8	4939.6	4124.1	3351.3	2702.9
-12.5°	10789.3	9861.2	8952.8	8056.9	7190.5	6352.1	5543.6	4735.6	3937.2	3203.0	2602.4
-15°	10179.5	9329.1	8495.2	7669.8	6854.3	6054.4	5276.8	4494.5	3719.1	3024.7	2479.4
-17.5°	9533.1	8753.8	7986.0	7217.3	6461.6	5716.8	4971.5	4220.0	3487.6	2841.7	2341.5
-20°	8854.5	8152.9	7445.7	6736.7	6030.2	5327.7	4626.9	3907.2	3233.0	2666.2	2215.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627203 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8150.0	7525.3	6879.2	6225.1	5569.8	4912.8	4242.5	3568.3	2947.8	2469.1	2073.2
-25°	7436.9	6880.6	6301.0	5692.1	5082.6	4467.8	3827.4	3222.7	2705.3	2278.8	1920.6
-27.5°	6726.0	6228.5	5688.7	5129.3	4570.3	3992.0	3412.3	2869.8	2449.3	2091.6	1790.2
-30°	6015.9	5556.8	5063.6	4555.1	4036.5	3506.2	2983.1	2581.1	2221.1	1904.5	1648.6
-32.5°	5308.1	4889.8	4439.5	3973.9	3501.2	3028.7	2645.3	2301.2	1994.5	1742.2	1519.7
-35°	4600.0	4219.0	3810.0	3401.8	2981.0	2643.5	2324.1	2046.3	1801.1	1579.5	1391.6
-37.5°	3890.2	3552.9	3211.4	2863.0	2574.8	2296.2	2044.8	1819.3	1609.2	1437.4	1274.3
-40°	3219.1	2930.9	2691.7	2437.1	2215.9	1994.1	1798.8	1607.2	1452.8	1301.7	1160.4
-42.5°	2650.6	2452.8	2266.5	2089.2	1906.4	1740.8	1577.4	1439.2	1303.3	1175.8	1059.9
-45°	2208.6	2072.9	1926.2	1792.5	1647.4	1521.4	1398.8	1282.2	1166.4	1063.3	960.6
-47.5°	1862.9	1761.0	1646.8	1541.5	1438.2	1334.0	1237.8	1136.4	1048.3	957.0	876.5
-50°	1578.5	1501.5	1418.0	1333.2	1255.3	1171.1	1093.0	1016.3	939.4	866.9	794.5
-52.5°	1341.1	1286.8	1226.1	1158.9	1096.0	1032.3	965.7	907.4	843.9	781.4	719.1
-55°	1154.8	1111.2	1063.9	1012.0	958.5	910.3	859.2	807.8	755.9	699.6	649.6
-57.5°	997.7	961.5	924.6	884.9	842.7	802.2	760.4	715.6	672.8	628.1	582.8
-60°	860.8	831.5	803.3	772.5	739.3	703.7	669.4	633.3	595.6	558.7	520.8
-62.5°	736.8	720.5	694.4	667.6	641.6	615.3	584.0	552.4	521.9	491.2	459.5
-65°	615.4	598.7	579.8	563.5	544.1	521.1	495.2	472.6	450.3	425.8	398.7
-67.5°	510.0	497.6	483.4	468.3	453.9	437.0	419.8	401.3	382.1	360.3	339.6
-70°	425.3	417.4	407.4	394.7	381.4	367.3	352.7	336.4	317.4	296.7	280.3
-72.5°	356.1	351.2	343.8	332.5	319.8	306.4	292.3	276.4	258.1	237.4	221.8
-75°	294.1	290.8	285.1	274.5	263.0	250.6	237.3	221.1	202.4	181.3	165.9
-77.5°	231.3	229.8	226.6	217.9	209.1	200.3	189.1	170.3	151.6	133.5	121.8
-80°	166.4	166.4	164.8	158.3	151.6	144.5	136.0	121.5	107.4	94.4	85.2
-82.5°	105.3	103.5	101.0	97.6	94.0	90.5	86.4	77.2	68.4	59.9	52.9
-85°	47.0	45.7	44.2	44.2	44.0	43.5	42.5	38.1	33.9	30.0	26.5
-87.5°	7.9	8.1	8.3	8.7	9.1	9.4	9.7	9.4	9.0	8.7	8.4
-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: P627203 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-727-U-WR-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°	9.3	10.1	10.8	11.3	11.6	11.8	11.8	11.6	11.1	10.5	9.7
85°	27.7	28.3	28.2	27.3	25.5	23.6	23.5	23.2	22.2	21.0	19.5
82.5°	55.0	56.7	57.7	57.3	53.8	50.0	46.0	41.8	37.3	32.2	29.2
80°	88.4	90.4	91.0	89.5	83.2	76.4	70.5	64.4	58.5	51.8	44.3
77.5°	124.4	125.9	126.3	123.9	115.9	107.2	97.8	88.1	79.7	71.4	62.0
75°	163.1	163.6	163.3	159.1	149.2	138.0	126.7	114.5	102.3	91.0	79.8
72.5°	213.4	206.6	201.4	194.7	183.8	171.2	156.7	140.5	125.1	110.6	97.1
70°	266.0	251.5	240.3	229.9	217.9	204.5	188.5	168.2	147.5	129.9	113.5
67.5°	320.9	302.9	284.8	265.9	251.2	236.1	219.9	195.5	170.7	148.8	129.6
65°	374.3	352.2	331.7	307.1	285.6	267.3	249.0	221.3	193.0	167.5	145.3
62.5°	428.2	398.4	372.8	346.2	320.2	297.5	276.8	245.3	214.4	185.5	160.2
60°	483.5	448.6	413.7	383.0	353.7	326.1	300.4	268.6	235.1	202.6	174.3
57.5°	540.8	498.9	459.0	420.7	386.6	354.9	323.1	290.1	255.1	219.9	187.0
55°	598.7	551.4	504.4	460.6	420.2	384.0	346.6	310.6	274.3	236.8	197.2
52.5°	660.8	605.3	552.4	501.2	454.9	412.4	371.7	330.7	292.6	253.1	208.2
50°	726.5	662.5	602.0	544.8	489.4	442.1	396.2	352.8	310.4	268.7	218.6
47.5°	795.7	723.1	654.3	588.7	528.6	470.8	421.8	374.4	327.7	284.2	228.0
45°	871.8	785.5	708.0	636.0	566.1	503.4	447.1	395.3	346.5	295.3	236.5
42.5°	948.3	852.8	763.7	681.8	607.1	536.3	471.3	417.0	364.6	305.4	244.8
40°	1036.5	921.5	819.8	731.0	647.5	567.8	499.2	437.9	381.4	315.5	252.9
37.5°	1122.5	995.6	880.9	777.9	687.3	603.3	526.2	457.8	394.7	326.5	260.2
35°	1223.8	1072.0	939.2	827.5	728.4	637.0	551.6	478.1	409.3	337.1	266.7
32.5°	1322.2	1149.9	1004.7	878.4	767.1	669.0	578.5	498.9	424.1	347.1	272.4
30°	1430.3	1234.5	1066.6	926.0	805.5	701.9	605.6	518.6	439.0	356.6	277.9
27.5°	1534.2	1312.5	1126.7	976.4	846.2	732.6	630.6	536.9	454.0	366.5	284.8
25°	1637.2	1396.8	1193.0	1024.5	883.5	760.6	653.7	554.1	468.7	377.6	291.0
22.5°	1748.9	1478.3	1252.7	1067.7	917.3	786.2	675.7	572.8	482.2	388.2	296.4
20°	1851.6	1552.0	1306.0	1109.0	950.8	813.7	696.3	589.6	494.4	398.1	300.9
17.5°	1948.5	1626.8	1365.5	1153.7	982.5	838.1	714.4	604.4	505.1	407.2	304.6
15°	2050.2	1701.2	1419.1	1192.4	1010.0	859.0	729.9	617.1	514.3	415.5	308.1
12.5°	2137.0	1764.1	1464.1	1224.9	1033.1	876.6	742.9	627.6	522.0	422.5	311.3
10°	2208.6	1815.2	1500.4	1251.2	1051.6	890.7	753.2	636.2	528.4	427.9	313.0
7.5°	2264.3	1854.2	1527.9	1271.2	1065.9	901.7	761.8	642.8	533.4	431.7	313.4
5°	2303.2	1881.4	1548.0	1285.1	1076.7	909.6	767.9	647.3	536.8	433.8	312.5
2.5°	2323.7	1896.7	1560.4	1292.5	1082.9	913.9	771.4	649.4	538.4	434.0	310.3
0°	2326.9	1899.6	1563.9	1293.4	1084.4	914.5	772.1	649.3	538.3	432.4	307.0
-2.5°	2323.7	1896.7	1560.4	1292.5	1082.9	913.9	771.4	649.4	538.4	434.0	310.3
-5°	2303.2	1881.4	1548.0	1285.1	1076.7	909.6	767.9	647.3	536.8	433.8	312.5
-7.5°	2264.3	1854.2	1527.9	1271.2	1065.9	901.7	761.8	642.8	533.4	431.7	313.4
-10°	2208.6	1815.2	1500.4	1251.2	1051.6	890.7	753.2	636.2	528.4	427.9	313.0
-12.5°	2137.0	1764.1	1464.1	1224.9	1033.1	876.6	742.9	627.6	522.0	422.5	311.3
-15°	2050.2	1701.2	1419.1	1192.4	1010.0	859.0	729.9	617.1	514.3	415.5	308.1
-17.5°	1948.5	1626.8	1365.5	1153.7	982.5	838.1	714.4	604.4	505.1	407.2	304.6
-20°	1851.6	1552.0	1306.0	1109.0	950.8	813.7	696.3	589.6	494.4	398.1	300.9

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

Scaled Data Report



REPORT NUMBER: P627203 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1748.9	1478.3	1252.7	1067.7	917.3	786.2	675.7	572.8	482.2	388.2	296.4
-25°	1637.2	1396.8	1193.0	1024.5	883.5	760.6	653.7	554.1	468.7	377.6	291.0
-27.5°	1534.2	1312.5	1126.7	976.4	846.2	732.6	630.6	536.9	454.0	366.5	284.8
-30°	1430.3	1234.5	1066.6	926.0	805.5	701.9	605.6	518.6	439.0	356.6	277.9
-32.5°	1322.2	1149.9	1004.7	878.4	767.1	669.0	578.5	498.9	424.1	347.1	272.4
-35°	1223.8	1072.0	939.2	827.5	728.4	637.0	551.6	478.1	409.3	337.1	266.7
-37.5°	1122.5	995.6	880.9	777.9	687.3	603.3	526.2	457.8	394.7	326.5	260.2
-40°	1036.5	921.5	819.8	731.0	647.5	567.8	499.2	437.9	381.4	315.5	252.9
-42.5°	948.3	852.8	763.7	681.8	607.1	536.3	471.3	417.0	364.6	305.4	244.8
-45°	871.8	785.5	708.0	636.0	566.1	503.4	447.1	395.3	346.5	295.3	236.5
-47.5°	795.7	723.1	654.3	588.7	528.6	470.8	421.8	374.4	327.7	284.2	228.0
-50°	726.5	662.5	602.0	544.8	489.4	442.1	396.2	352.8	310.4	268.7	218.6
-52.5°	660.8	605.3	552.4	501.2	454.9	412.4	371.7	330.7	292.6	253.1	208.2
-55°	598.7	551.4	504.4	460.6	420.2	384.0	346.6	310.6	274.3	236.8	197.2
-57.5°	540.8	498.9	459.0	420.7	386.6	354.9	323.1	290.1	255.1	219.9	187.0
-60°	483.5	448.6	413.7	383.0	353.7	326.1	300.4	268.6	235.1	202.6	174.3
-62.5°	428.2	398.4	372.8	346.2	320.2	297.5	276.8	245.3	214.4	185.5	160.2
-65°	374.3	352.2	331.7	307.1	285.6	267.3	249.0	221.3	193.0	167.5	145.3
-67.5°	320.9	302.9	284.8	265.9	251.2	236.1	219.9	195.5	170.7	148.8	129.6
-70°	266.0	251.5	240.3	229.9	217.9	204.5	188.5	168.2	147.5	129.9	113.5
-72.5°	213.4	206.6	201.4	194.7	183.8	171.2	156.7	140.5	125.1	110.6	97.1
-75°	163.1	163.6	163.3	159.1	149.2	138.0	126.7	114.5	102.3	91.0	79.8
-77.5°	124.4	125.9	126.3	123.9	115.9	107.2	97.8	88.1	79.7	71.4	62.0
-80°	88.4	90.4	91.0	89.5	83.2	76.4	70.5	64.4	58.5	51.8	44.3
-82.5°	55.0	56.7	57.7	57.3	53.8	50.0	46.0	41.8	37.3	32.2	29.2
-85°	27.7	28.3	28.2	27.3	25.5	23.6	23.5	23.2	22.2	21.0	19.5
-87.5°	9.3	10.1	10.8	11.3	11.6	11.8	11.8	11.6	11.1	10.5	9.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627203 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-727-U-WR-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°	8.8	6.9	5.1	3.5	2.2	0.9	0.0
85°	17.6	13.7	10.2	7.1	4.3	1.9	0.0
82.5°	26.2	20.5	15.2	10.6	6.5	2.8	0.0
80°	35.6	27.2	20.2	14.0	8.6	3.7	0.0
77.5°	50.9	35.3	25.1	17.4	10.7	4.6	0.0
75°	65.7	46.2	30.5	20.8	12.7	5.5	0.0
72.5°	80.0	56.7	37.7	24.1	14.7	6.4	0.0
70°	93.6	66.8	44.7	27.5	16.7	7.3	0.0
67.5°	105.3	76.5	51.5	31.8	18.6	8.2	0.0
65°	116.5	85.3	57.9	35.9	20.4	9.0	0.0
62.5°	127.1	93.5	63.9	39.8	22.2	9.8	0.0
60°	137.0	101.1	69.5	43.5	23.9	10.6	0.0
57.5°	146.0	108.1	74.7	46.9	26.0	11.3	0.0
55°	154.2	114.7	79.6	50.1	28.0	12.0	0.0
52.5°	161.8	120.6	84.0	52.9	29.9	12.7	0.0
50°	168.7	126.1	88.1	55.5	31.8	13.4	0.0
47.5°	175.1	131.1	91.7	57.9	33.5	14.0	0.0
45°	182.3	135.5	94.9	60.3	35.2	14.6	0.0
42.5°	188.7	139.3	97.6	62.4	36.7	15.1	0.0
40°	194.3	142.5	100.1	64.6	38.2	15.6	0.0
37.5°	199.1	145.2	102.3	67.0	39.6	16.1	0.0
35°	203.0	148.2	104.1	69.1	40.8	16.5	0.0
32.5°	206.7	151.0	105.5	71.0	42.0	16.9	0.0
30°	210.8	153.2	106.5	72.8	43.1	17.3	0.0
27.5°	214.1	154.7	108.8	74.3	44.0	17.6	0.0
25°	216.7	155.7	111.0	75.7	44.8	17.8	0.0
22.5°	218.5	156.9	112.9	76.9	45.6	18.1	0.0
20°	219.6	159.7	114.6	77.8	46.2	18.2	0.0
17.5°	222.0	162.1	115.9	78.6	46.7	18.4	0.0
15°	225.0	163.9	117.1	79.1	47.1	18.5	0.0
12.5°	227.1	165.2	117.9	79.5	47.3	18.6	0.0
10°	228.4	166.1	118.4	79.7	47.5	18.6	0.0
7.5°	229.0	166.4	118.7	79.6	47.5	18.6	0.0
5°	228.7	166.3	118.6	79.4	47.5	18.5	0.0
2.5°	227.7	165.7	118.3	79.0	47.3	18.4	0.0
0°	226.0	164.6	117.6	78.4	47.0	18.3	0.0
-2.5°	227.7	165.7	118.3	79.0	47.3	18.4	0.0
-5°	228.7	166.3	118.6	79.4	47.5	18.5	0.0
-7.5°	229.0	166.4	118.7	79.6	47.5	18.6	0.0
-10°	228.4	166.1	118.4	79.7	47.5	18.6	0.0
-12.5°	227.1	165.2	117.9	79.5	47.3	18.6	0.0
-15°	225.0	163.9	117.1	79.1	47.1	18.5	0.0
-17.5°	222.0	162.1	115.9	78.6	46.7	18.4	0.0
-20°	219.6	159.7	114.6	77.8	46.2	18.2	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627203 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	218.5	156.9	112.9	76.9	45.6	18.1	0.0
-25°	216.7	155.7	111.0	75.7	44.8	17.8	0.0
-27.5°	214.1	154.7	108.8	74.3	44.0	17.6	0.0
-30°	210.8	153.2	106.5	72.8	43.1	17.3	0.0
-32.5°	206.7	151.0	105.5	71.0	42.0	16.9	0.0
-35°	203.0	148.2	104.1	69.1	40.8	16.5	0.0
-37.5°	199.1	145.2	102.3	67.0	39.6	16.1	0.0
-40°	194.3	142.5	100.1	64.6	38.2	15.6	0.0
-42.5°	188.7	139.3	97.6	62.4	36.7	15.1	0.0
-45°	182.3	135.5	94.9	60.3	35.2	14.6	0.0
-47.5°	175.1	131.1	91.7	57.9	33.5	14.0	0.0
-50°	168.7	126.1	88.1	55.5	31.8	13.4	0.0
-52.5°	161.8	120.6	84.0	52.9	29.9	12.7	0.0
-55°	154.2	114.7	79.6	50.1	28.0	12.0	0.0
-57.5°	146.0	108.1	74.7	46.9	26.0	11.3	0.0
-60°	137.0	101.1	69.5	43.5	23.9	10.6	0.0
-62.5°	127.1	93.5	63.9	39.8	22.2	9.8	0.0
-65°	116.5	85.3	57.9	35.9	20.4	9.0	0.0
-67.5°	105.3	76.5	51.5	31.8	18.6	8.2	0.0
-70°	93.6	66.8	44.7	27.5	16.7	7.3	0.0
-72.5°	80.0	56.7	37.7	24.1	14.7	6.4	0.0
-75°	65.7	46.2	30.5	20.8	12.7	5.5	0.0
-77.5°	50.9	35.3	25.1	17.4	10.7	4.6	0.0
-80°	35.6	27.2	20.2	14.0	8.6	3.7	0.0
-82.5°	26.2	20.5	15.2	10.6	6.5	2.8	0.0
-85°	17.6	13.7	10.2	7.1	4.3	1.9	0.0
-87.5°	8.8	6.9	5.1	3.5	2.2	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)