

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P534235

Luminaire Tested: **GALN-SA9D-727-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P534235  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA9D-727-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37903 lumens  
Efficiency: N/A  
Efficacy: 68.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

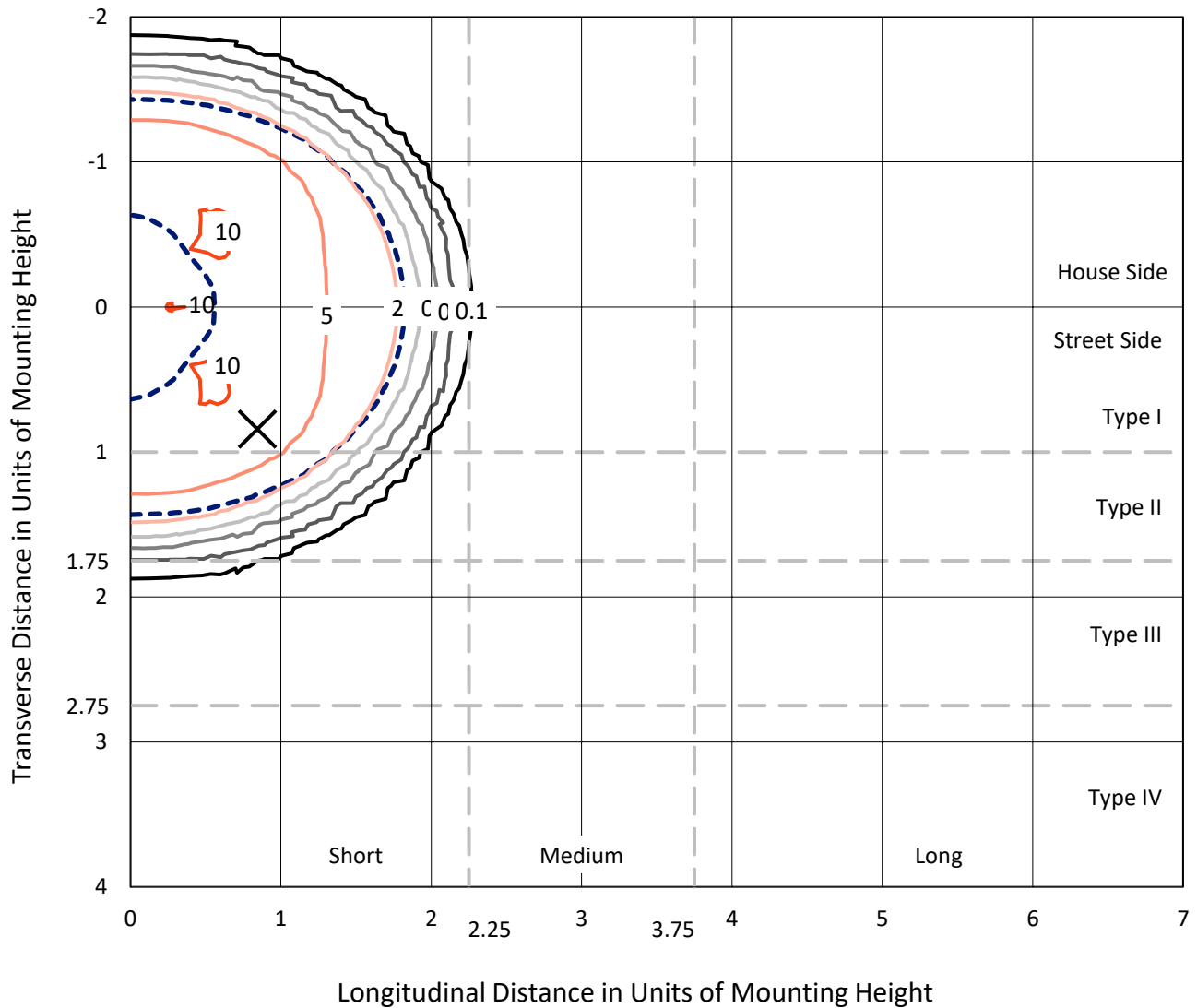
Input Watts (W): 552  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

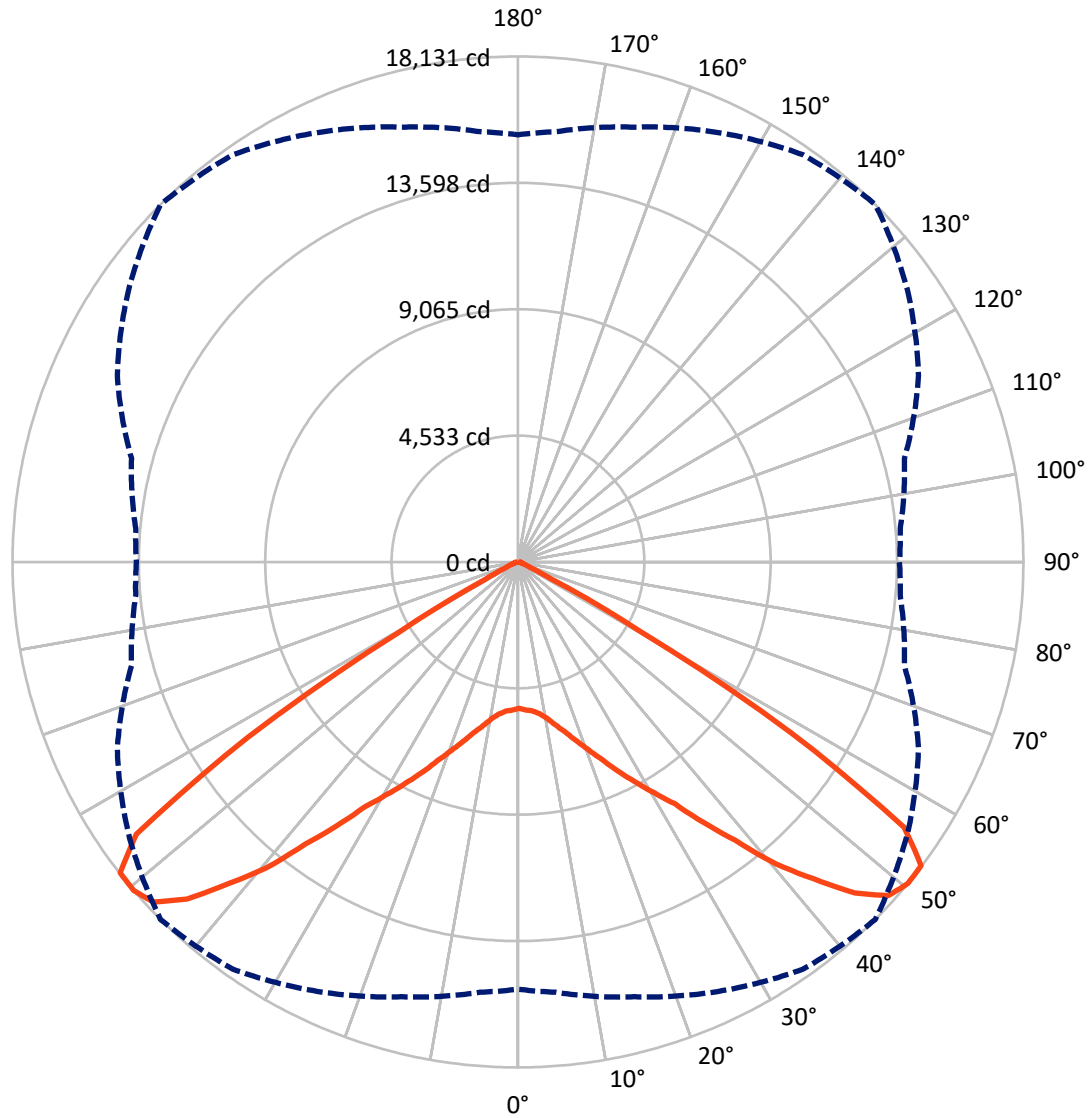
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18951.5	0.0	18951.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18951.5	0.0	18951.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37903.0	0.0	37903.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	522.8	1.4
10°-20°	1801.8	4.8
20°-30°	3680.0	9.7
30°-40°	7017.7	18.5
40°-50°	11825.8	31.2
50°-60°	11278.0	29.8
60°-70°	1574.4	4.2
70°-80°	150.6	0.4
80°-90°	52.0	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	37903.0	100.0
0°-180°	37903.0	100.0

**Coefficient of Utilization**



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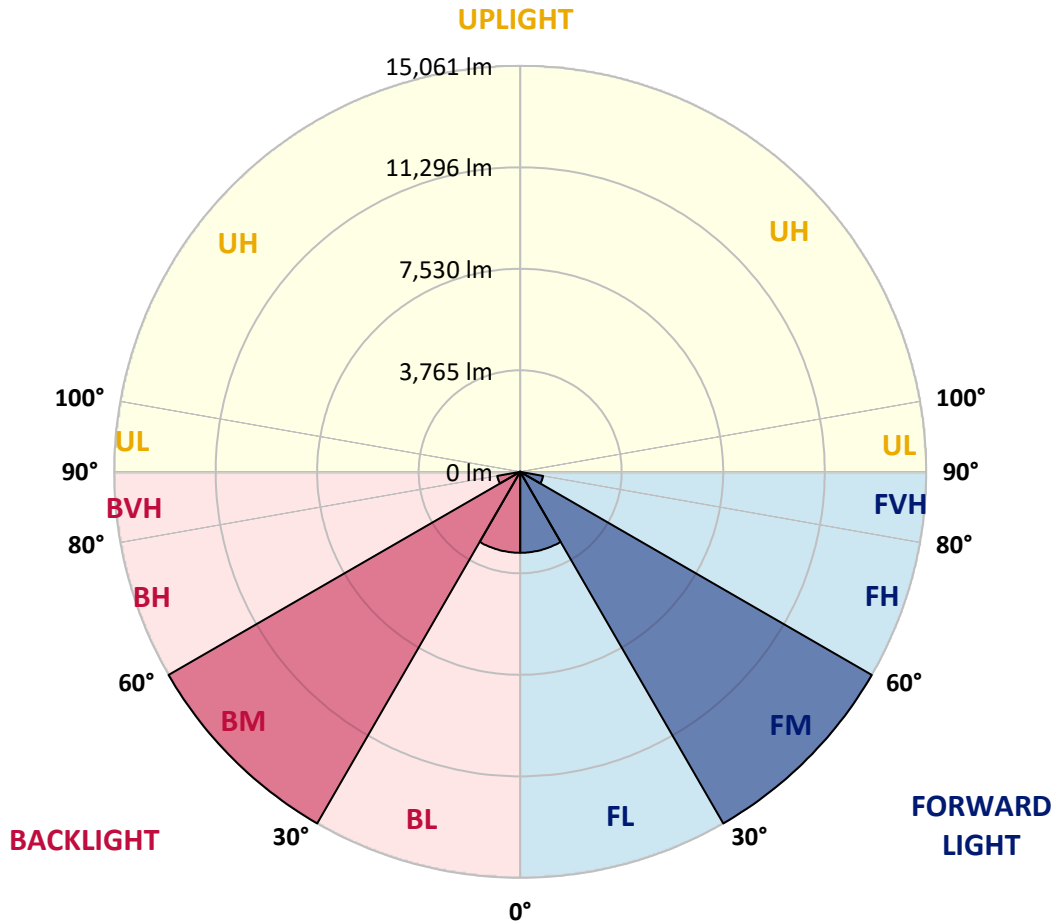
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3002.3	7.9			
FM (30°-60°)	15060.8	39.7			
FH (60°-80°)	862.5	2.3			G1/1800
FVH (80°-90°)	26.0	0.1			G1/100
BL (0°-30°)	3002.3	7.9	B4/5000		
BM (30°-60°)	15060.8	39.7	B5		
BH (60°-80°)	862.5	2.3	B2/1000		G1/1800
BVH (80°-90°)	26.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5254.8	5254.8	5254.8	5254.8	5254.8	5254.8	5254.8	5254.8	5254.8	5254.8	5254.8
2.5°	5235.7	5235.7	5229.3	5280.3	5254.8	5312.2	5305.9	5325.0	5344.1	5337.7	5388.8
5°	5191.1	5184.7	5184.7	5242.1	5299.5	5363.2	5420.6	5458.9	5522.7	5522.7	5586.4
7.5°	5235.7	5203.8	5248.5	5274.0	5382.4	5490.8	5586.4	5663.0	5809.7	5860.7	5841.5
10°	5248.5	5286.7	5318.6	5395.1	5529.1	5694.9	5777.8	5969.1	6134.9	6249.7	6275.2
12.5°	5331.4	5388.8	5478.0	5663.0	5784.1	6001.0	6115.8	6300.7	6530.3	6657.8	6747.1
15°	5490.8	5509.9	5624.7	5860.7	6122.1	6319.8	6498.4	6632.3	6855.5	7002.2	7008.6
17.5°	5694.9	5777.8	5937.2	6160.4	6434.6	6728.0	6868.3	7014.9	7097.9	7295.5	7340.2
20°	6103.0	6115.8	6268.8	6562.2	6906.5	7174.4	7276.4	7352.9	7321.1	7525.1	7563.4
22.5°	6485.6	6498.4	6689.7	7085.1	7455.0	7684.6	7729.2	7684.6	7588.9	7735.6	7748.3
25°	6874.6	6989.4	7129.7	7525.1	7984.3	8290.4	8296.8	8175.6	7977.9	8003.4	8067.2
27.5°	7480.5	7563.4	7710.1	8073.6	8577.4	8921.7	8864.3	8717.7	8462.6	8481.7	8462.6
30°	8188.4	8264.9	8386.1	8851.6	9221.5	9597.7	9680.6	9540.3	9157.7	9074.8	9170.5
32.5°	9042.9	9151.3	9374.5	9801.8	10114.3	10343.9	10401.3	10350.2	9993.1	9961.2	10025.0
35°	10082.4	10229.1	10433.1	10809.4	11064.5	11479.0	11479.0	11306.8	10981.6	11019.8	11013.5
37.5°	11179.3	11396.1	11715.0	12097.6	12442.0	12665.2	12595.0	12448.3	12123.1	12040.2	12123.1
40°	12556.8	12665.2	13066.9	13564.4	13985.3	14240.3	13940.6	13621.8	12843.7	12964.9	13188.1
42.5°	13813.1	13985.3	14291.4	14839.8	15318.1	15528.5	15171.4	14540.1	13602.6	13507.0	13672.8
45°	14884.4	15069.4	15471.1	16255.5	16759.3	16944.3	16153.5	15133.2	14061.8	13819.4	13889.6
47.5°	15598.7	15694.4	16255.5	17001.7	17460.8	17881.7	16746.6	15541.3	14278.6	13819.4	13793.9
50°	15324.5	15490.3	16147.1	16995.3	17830.7	18130.5	17046.3	15853.8	14348.8	13762.1	13685.5
52.5°	13609.0	13896.0	14629.4	15770.9	17033.6	18104.9	17460.8	15751.7	14323.2	13819.4	13934.2
55°	9470.2	9476.6	10369.4	12053.0	14285.0	16810.4	16855.0	15866.5	14489.1	14176.6	14182.9
57.5°	3807.2	3998.5	4680.9	6370.8	8430.7	11542.8	13723.8	14718.6	14508.2	14431.7	14629.4
60°	963.0	969.3	1179.8	1798.4	2965.4	4948.7	7187.1	9725.3	11198.4	11702.2	11772.4
62.5°	491.0	497.4	548.4	637.7	809.9	1326.5	2359.6	3743.4	5325.0	6128.5	6339.0
65°	401.8	401.8	433.7	478.3	484.7	510.2	612.2	873.7	1269.1	1441.3	1460.4
67.5°	306.1	306.1	331.6	357.1	369.9	363.5	350.7	363.5	440.0	420.9	408.1
70°	191.3	197.7	210.4	236.0	248.7	255.1	261.5	274.2	312.5	325.2	312.5
72.5°	114.8	114.8	121.2	140.3	159.4	172.2	191.3	204.1	223.2	255.1	248.7
75°	51.0	51.0	63.8	82.9	102.0	121.2	140.3	159.4	172.2	191.3	197.7
77.5°	12.8	19.1	31.9	57.4	76.5	102.0	127.5	146.7	159.4	159.4	153.1
80°	6.4	6.4	25.5	44.6	82.9	108.4	140.3	153.1	172.2	159.4	140.3
82.5°	6.4	6.4	25.5	44.6	76.5	108.4	146.7	165.8	178.6	159.4	133.9
85°	0.0	6.4	19.1	38.3	63.8	76.5	63.8	44.6	25.5	25.5	19.1
87.5°	0.0	0.0	6.4	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)