

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: P533603

Luminaire Tested: **GALN-SA9A-740-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533603  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA9A-740-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24881 lumens  
Efficiency: N/A  
Efficacy: 90.8 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

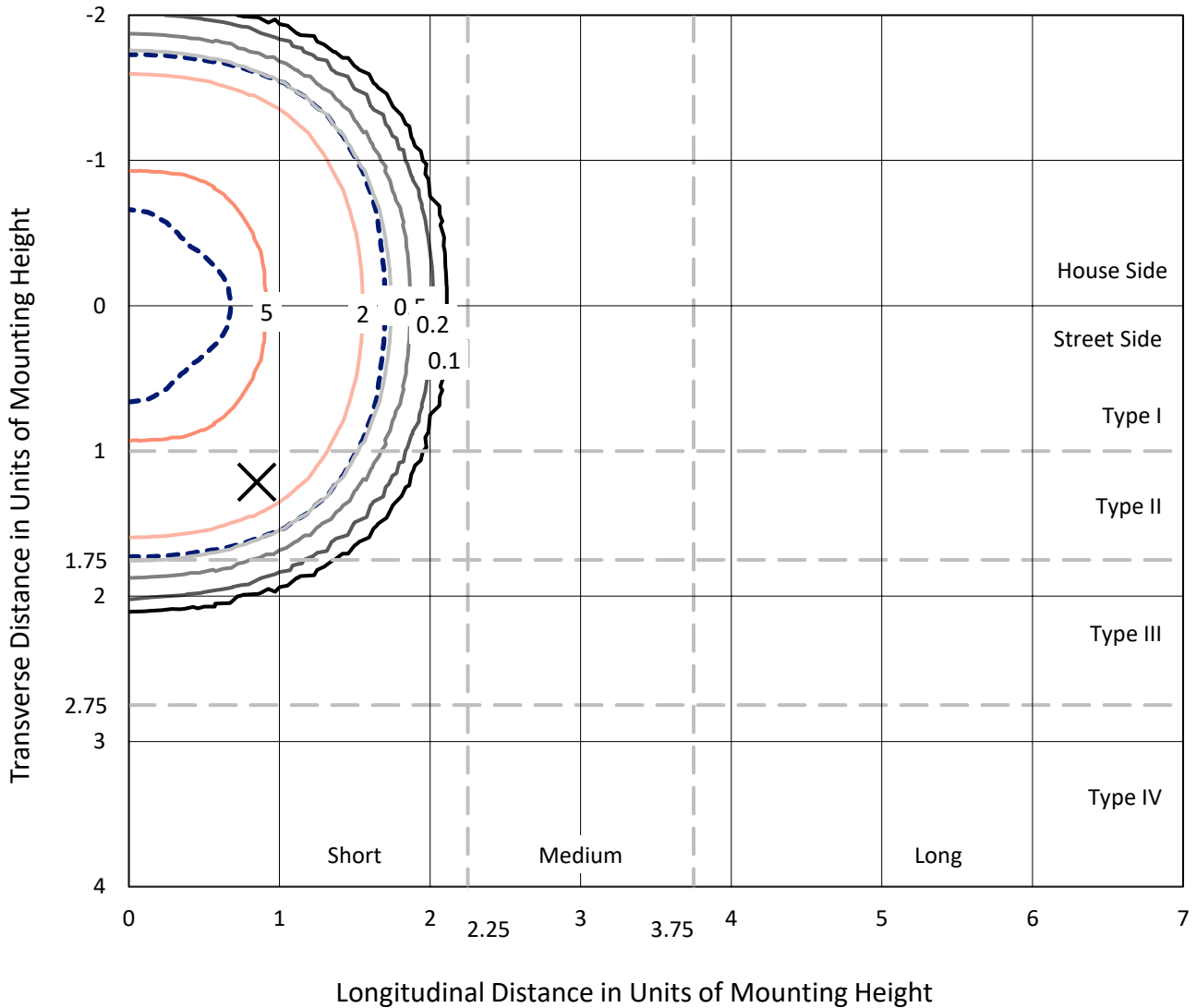
Input Watts (W): 274  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

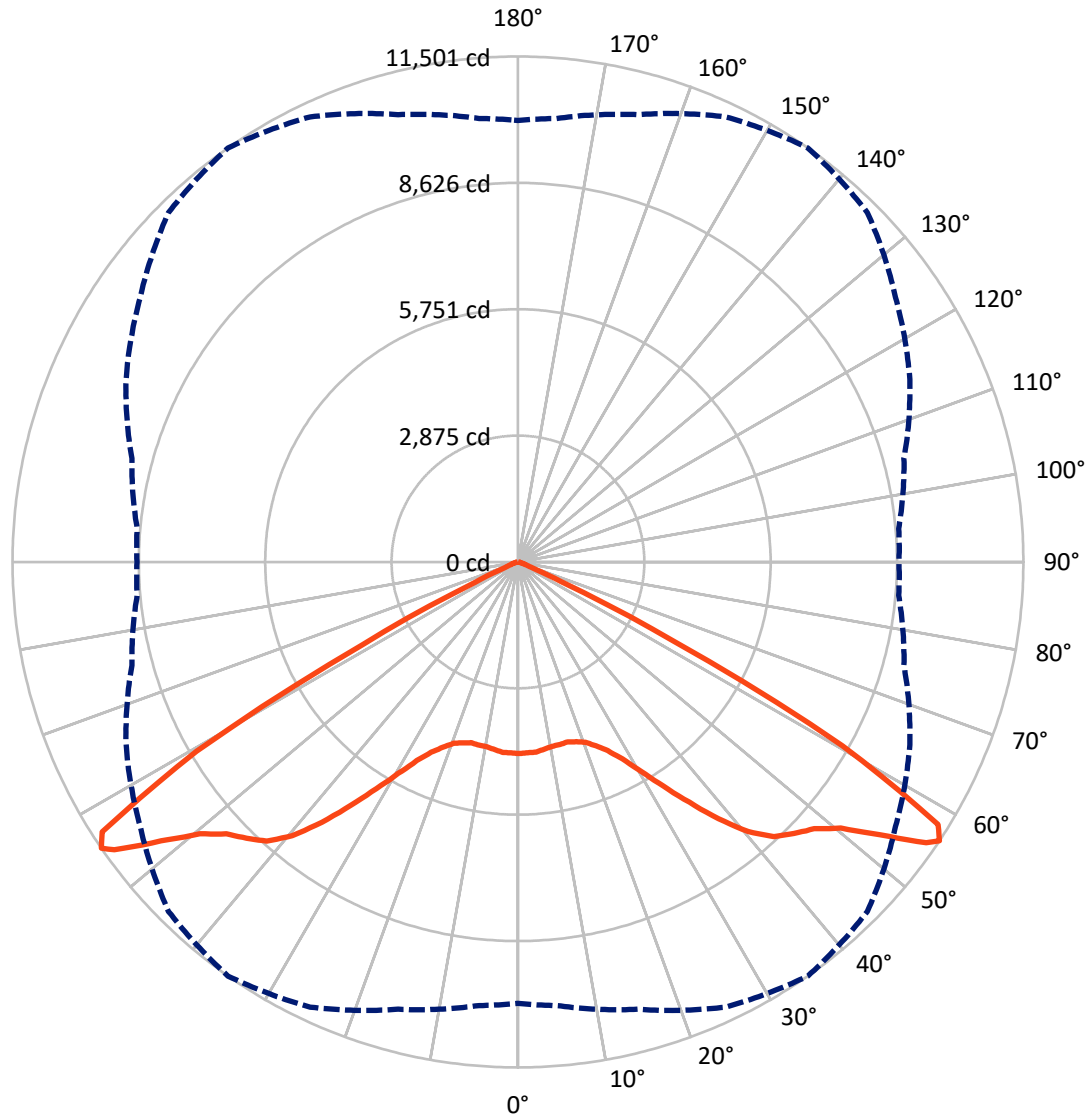
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 56-Deg Vertical

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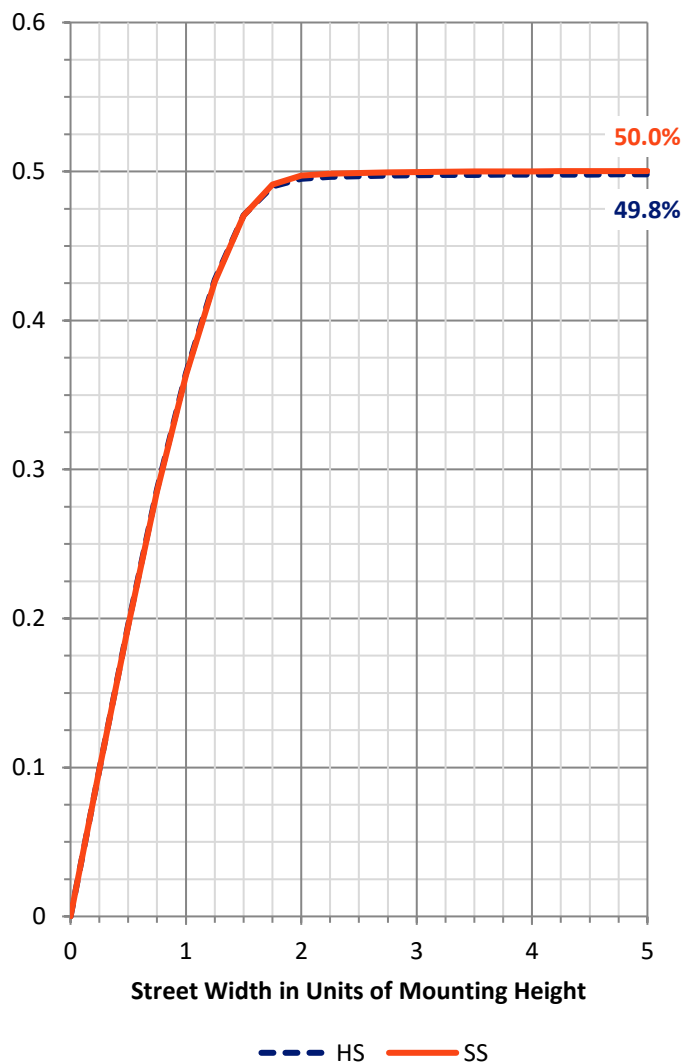
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12440.5	0.0	12440.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12440.5	0.0	12440.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24881.0	0.0	24881.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	409.7	1.6
10°-20°	1196.3	4.8
20°-30°	2166.2	8.7
30°-40°	4017.0	16.1
40°-50°	6593.6	26.5
50°-60°	8494.5	34.1
60°-70°	1872.1	7.5
70°-80°	108.6	0.4
80°-90°	22.9	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°	24881.0	100.0
0°-180°	24881.0	100.0

**Coefficient of Utilization**

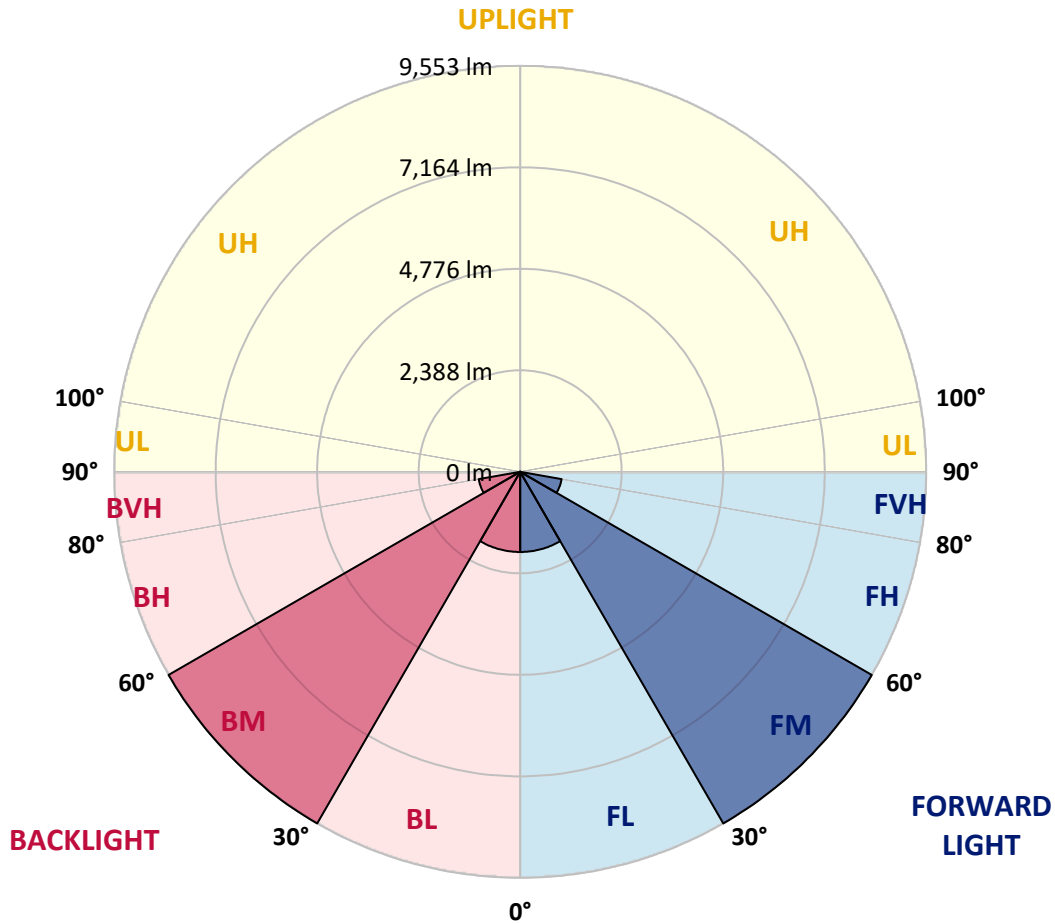


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1886.1	7.6			
FM (30°-60°)	9552.6	38.4			
FH (60°-80°)	990.4	4.0			G1/1800
FVH (80°-90°)	11.4	0.0			G1/100
BL (0°-30°)	1886.1	7.6	B3/2500		
BM (30°-60°)	9552.6	38.4	B5		
BH (60°-80°)	990.4	4.0	B2/1000		G1/1800
BVH (80°-90°)	11.4	0.0			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°	4359.7	4359.7	4359.7	4359.7	4359.7	4359.7	4359.7	4359.7	4359.7	4359.7	4359.7
2.5°	4368.7	4368.7	4373.2	4377.7	4346.2	4332.6	4337.1	4328.1	4323.6	4337.1	4337.1
5°	4355.2	4355.2	4341.7	4346.2	4346.2	4305.6	4305.6	4314.6	4314.6	4287.6	4278.5
7.5°	4319.1	4310.1	4292.1	4314.6	4301.1	4301.1	4269.5	4247.0	4238.0	4256.0	4238.0
10°	4242.5	4247.0	4265.0	4274.0	4265.0	4292.1	4238.0	4206.4	4174.8	4161.3	4161.3
12.5°	4206.4	4233.4	4206.4	4228.9	4260.5	4238.0	4206.4	4183.9	4138.8	4120.7	4120.7
15°	4201.9	4219.9	4228.9	4260.5	4247.0	4256.0	4192.9	4165.8	4098.2	4066.6	4053.1
17.5°	4197.4	4219.9	4233.4	4292.1	4301.1	4305.6	4256.0	4174.8	4116.2	4084.7	4053.1
20°	4247.0	4256.0	4283.0	4341.7	4377.7	4440.8	4350.7	4265.0	4138.8	4102.7	4089.2
22.5°	4310.1	4355.2	4382.2	4445.3	4540.0	4594.1	4476.9	4368.7	4238.0	4192.9	4138.8
25°	4513.0	4504.0	4549.0	4679.8	4756.4	4797.0	4702.3	4544.5	4373.2	4319.1	4328.1
27.5°	4765.4	4774.5	4815.0	4959.3	5072.0	5135.1	5022.4	4815.0	4648.2	4558.1	4549.0
30°	5094.6	5085.5	5130.6	5324.5	5527.4	5622.1	5423.7	5180.2	5017.9	4900.7	4927.8
32.5°	5441.7	5446.2	5572.5	5748.3	6077.4	6262.3	5942.2	5644.6	5401.1	5320.0	5279.4
35°	5955.7	5978.2	6077.4	6347.9	6713.1	6952.1	6600.4	6244.2	5964.7	5815.9	5834.0
37.5°	6591.4	6568.8	6735.6	7028.7	7411.9	7587.7	7290.2	6884.4	6600.4	6501.2	6564.3
40°	7267.6	7290.2	7375.8	7641.8	8070.2	8187.4	7745.5	7524.6	7276.7	7227.1	7303.7
42.5°	7943.9	7930.4	7993.5	8232.5	8543.5	8462.4	8200.9	8070.2	7894.3	7795.1	7898.8
45°	8439.8	8417.3	8534.5	8696.8	8809.5	8656.3	8539.0	8493.9	8403.8	8295.6	8390.3
47.5°	8922.3	8904.2	9016.9	9062.0	9071.0	8868.2	8890.7	8971.8	8746.4	8521.0	8629.2
50°	9332.5	9301.0	9440.7	9539.9	9517.4	9192.8	9273.9	9192.8	8841.1	8575.1	8534.5
52.5°	10017.8	10031.3	10180.1	10360.5	10306.4	10035.8	9918.6	9548.9	9098.1	8859.1	8719.4
55°	10450.6	10383.0	10640.0	11212.6	11275.7	10996.1	10477.7	9932.1	9255.9	8962.8	8926.8
56°	10044.9	10130.5	10536.3	11176.5	11501.1	11244.1	10491.2	9837.5	9093.6	8696.8	8669.8
57.5°	9012.4	8967.3	9517.4	10392.0	11275.7	11167.5	10121.5	9161.2	8295.6	7849.2	7795.1
60°	5608.5	5739.3	6221.7	7303.7	8484.9	8539.0	7502.1	6677.0	5667.1	5270.4	5365.1
62.5°	2195.6	2082.9	2385.0	3192.0	4003.5	4183.9	3791.6	3151.4	2587.9	2195.6	2168.6
65°	509.5	495.9	559.0	770.9	1077.5	1248.8	1185.7	852.1	626.7	595.1	550.0
67.5°	288.5	288.5	275.0	275.0	302.1	320.1	306.6	302.1	315.6	329.1	324.6
70°	202.9	198.4	189.4	193.9	184.8	184.8	198.4	220.9	238.9	238.9	243.5
72.5°	121.7	121.7	121.7	135.3	135.3	135.3	148.8	166.8	171.3	166.8	162.3
75°	54.1	54.1	63.1	76.6	85.7	90.2	103.7	112.7	121.7	112.7	103.7
77.5°	13.5	13.5	22.5	31.6	40.6	49.6	67.6	81.2	85.7	81.2	67.6
80°	4.5	4.5	9.0	22.5	40.6	49.6	67.6	72.1	76.6	67.6	54.1
82.5°	4.5	4.5	9.0	22.5	31.6	40.6	54.1	63.1	67.6	58.6	54.1
85°	0.0	4.5	9.0	18.0	27.1	36.1	36.1	27.1	22.5	13.5	18.0
87.5°	0.0	0.0	4.5	4.5	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)