

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: P533785

Luminaire Tested: **GALN-SA9B-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533785  
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-SA9B-730-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3000K, 800mA 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: 28194 lumens  
Efficiency: N/A  
Efficacy: 77.5 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

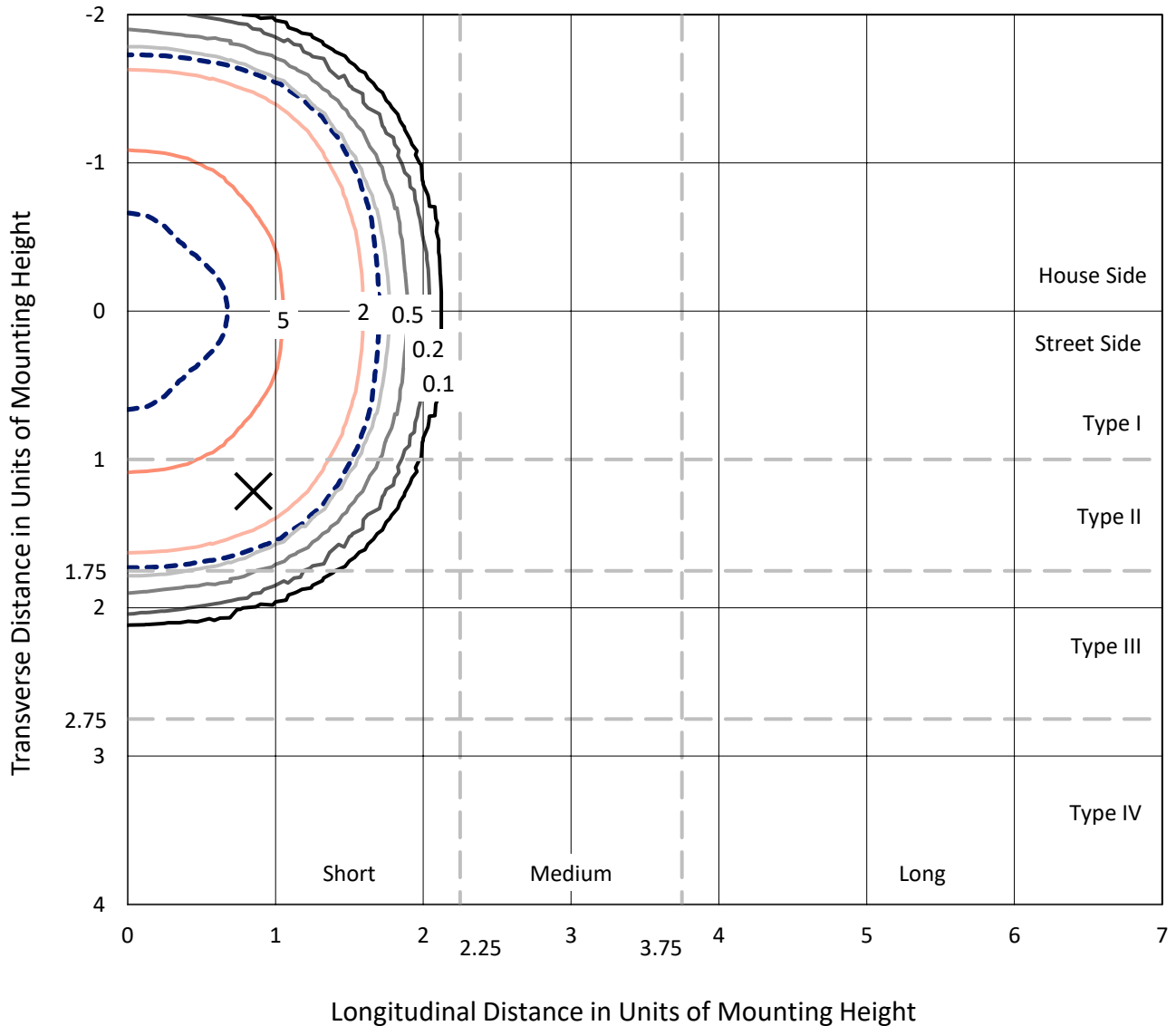
Input Watts (W): 364  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

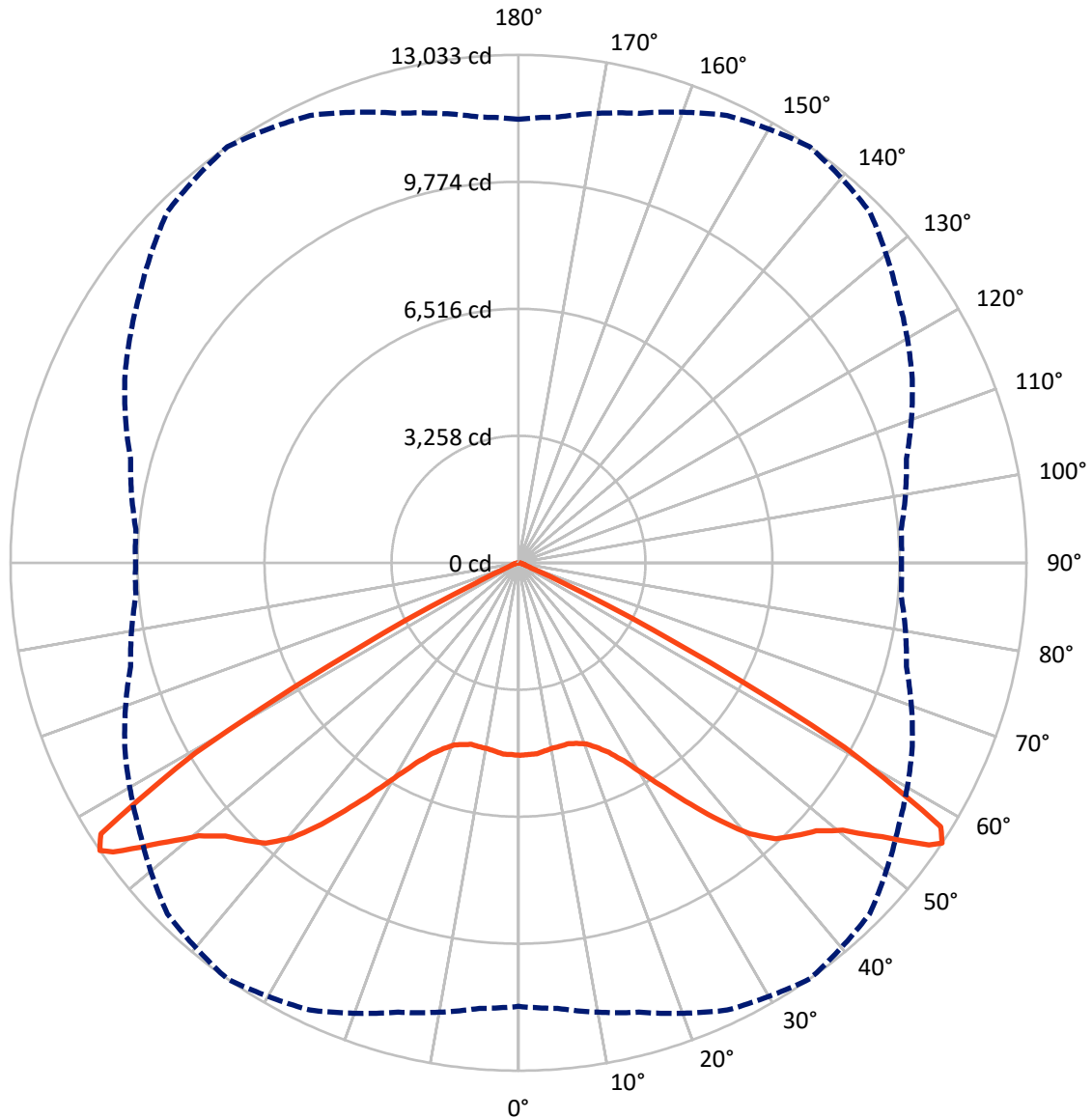
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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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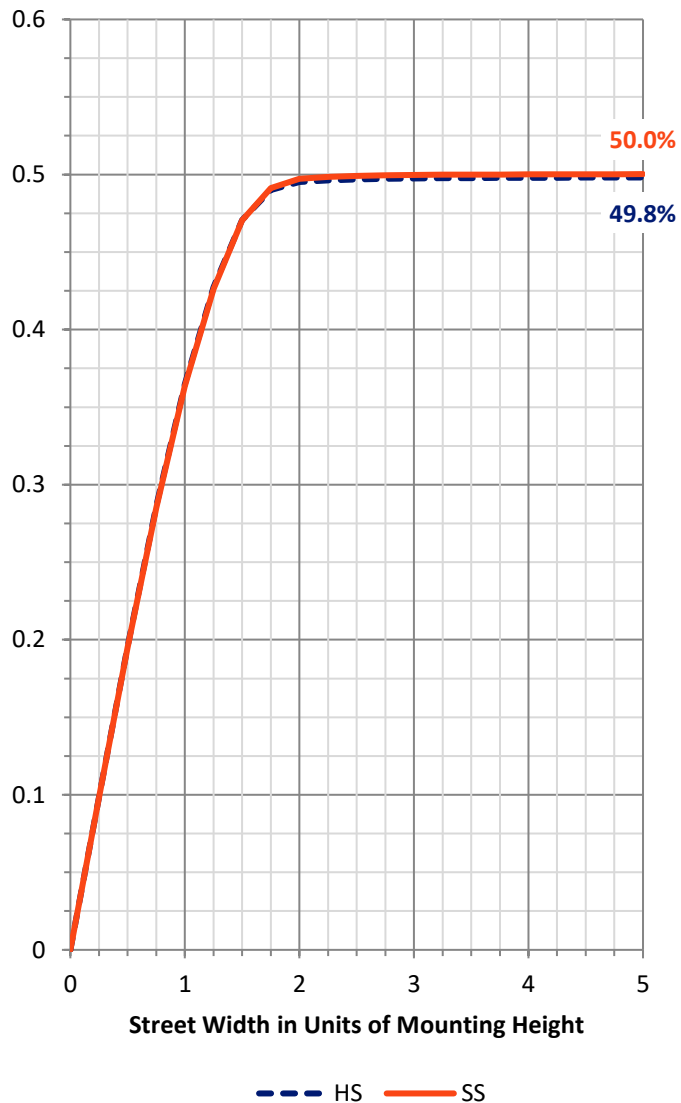
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14097.0	0.0	14097.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14097.0	0.0	14097.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28194.0	0.0	28194.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	464.3	1.6
10°-20°	1355.5	4.8
20°-30°	2454.7	8.7
30°-40°	4551.9	16.1
40°-50°	7471.6	26.5
50°-60°	9625.6	34.1
60°-70°	2121.4	7.5
70°-80°	123.1	0.4
80°-90°	25.9	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°	28194.0	100.0
0°-180°	28194.0	100.0

**Coefficient of Utilization**

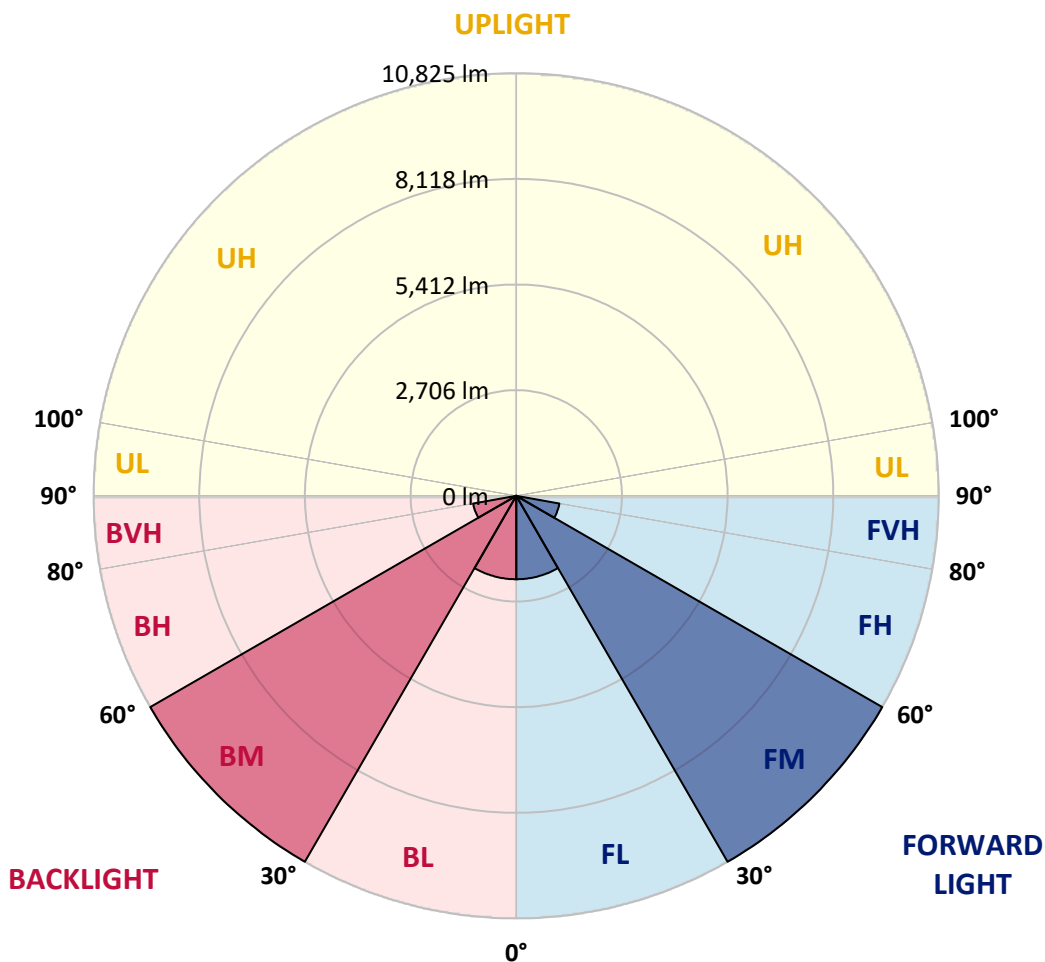


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2137.3	7.6			
FM (30°-60°)	10824.5	38.4			
FH (60°-80°)	1122.2	4.0			G1/1800
FVH (80°-90°)	13.0	0.0			G1/100
BL (0°-30°)	2137.3	7.6	B3/2500		
BM (30°-60°)	10824.5	38.4	B5		
BH (60°-80°)	1122.2	4.0	B3/2500		G1/1800
BVH (80°-90°)	13.0	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°	4940.2	4940.2	4940.2	4940.2	4940.2	4940.2	4940.2	4940.2	4940.2	4940.2	4940.2
2.5°	4950.4	4950.4	4955.5	4960.6	4924.9	4909.5	4914.7	4904.4	4899.3	4914.7	4914.7
5°	4935.1	4935.1	4919.8	4924.9	4924.9	4878.9	4878.9	4889.1	4889.1	4858.5	4848.2
7.5°	4894.2	4884.0	4863.6	4889.1	4873.8	4873.8	4838.0	4812.5	4802.3	4822.7	4802.3
10°	4807.4	4812.5	4832.9	4843.1	4832.9	4863.6	4802.3	4766.5	4730.7	4715.4	4715.4
12.5°	4766.5	4797.1	4766.5	4792.0	4827.8	4802.3	4766.5	4741.0	4689.9	4669.4	4669.4
15°	4761.4	4781.8	4792.0	4827.8	4812.5	4822.7	4751.2	4720.5	4643.9	4608.1	4592.8
17.5°	4756.3	4781.8	4797.1	4863.6	4873.8	4878.9	4822.7	4730.7	4664.3	4628.6	4592.8
20°	4812.5	4822.7	4853.3	4919.8	4960.6	5032.2	4930.0	4832.9	4689.9	4649.0	4633.7
22.5°	4884.0	4935.1	4965.7	5037.3	5144.5	5205.9	5073.0	4950.4	4802.3	4751.2	4689.9
25°	5113.9	5103.7	5154.8	5302.9	5389.8	5435.7	5328.5	5149.7	4955.5	4894.2	4904.4
27.5°	5400.0	5410.2	5456.2	5619.7	5747.4	5818.9	5691.2	5456.2	5267.2	5165.0	5154.8
30°	5772.9	5762.7	5813.8	6033.5	6263.4	6370.7	6145.9	5870.0	5686.1	5553.2	5583.9
32.5°	6166.3	6171.4	6314.5	6513.7	6886.6	7096.1	6733.4	6396.2	6120.3	6028.4	5982.4
35°	6748.7	6774.2	6886.6	7193.2	7607.0	7877.7	7479.3	7075.7	6758.9	6590.3	6610.8
37.5°	7469.0	7443.5	7632.5	7964.6	8398.8	8598.1	8260.9	7801.1	7479.3	7366.9	7438.4
40°	8235.4	8260.9	8358.0	8659.4	9144.7	9277.6	8776.9	8526.6	8245.6	8189.4	8276.2
42.5°	9001.7	8986.4	9057.9	9328.6	9681.1	9589.2	9292.9	9144.7	8945.5	8833.1	8950.6
45°	9563.6	9538.1	9670.9	9854.8	9982.6	9808.9	9676.0	9625.0	9522.8	9400.2	9507.4
47.5°	10110.3	10089.9	10217.6	10268.7	10278.9	10049.0	10074.5	10166.5	9911.0	9655.6	9778.2
50°	10575.2	10539.4	10697.8	10810.2	10784.6	10416.8	10508.8	10416.8	10018.3	9716.9	9670.9
52.5°	11351.7	11367.0	11535.6	11740.0	11678.7	11372.2	11239.3	10820.4	10309.5	10038.8	9880.4
55°	11842.2	11765.5	12056.7	12705.5	12777.1	12460.3	11872.8	11254.7	10488.3	10156.3	10115.4
56°	11382.4	11479.4	11939.2	12664.7	13032.5	12741.3	11888.1	11147.4	10304.4	9854.8	9824.2
57.5°	10212.5	10161.4	10784.6	11775.7	12777.1	12654.5	11469.2	10381.1	9400.2	8894.4	8833.1
60°	6355.3	6503.5	7050.1	8276.2	9614.7	9676.0	8501.0	7566.1	6421.7	5972.2	6079.5
62.5°	2488.0	2360.3	2702.5	3617.0	4536.6	4741.0	4296.5	3571.0	2932.4	2488.0	2457.3
65°	577.3	562.0	633.5	873.6	1221.0	1415.1	1343.6	965.6	710.1	674.4	623.3
67.5°	327.0	327.0	311.6	311.6	342.3	362.7	347.4	342.3	357.6	372.9	367.8
70°	229.9	224.8	214.6	219.7	209.5	209.5	224.8	250.3	270.8	270.8	275.9
72.5°	137.9	137.9	137.9	153.3	153.3	153.3	168.6	189.0	194.1	189.0	183.9
75°	61.3	61.3	71.5	86.8	97.1	102.2	117.5	127.7	137.9	127.7	117.5
77.5°	15.3	15.3	25.5	35.8	46.0	56.2	76.6	92.0	97.1	92.0	76.6
80°	5.1	5.1	10.2	25.5	46.0	56.2	76.6	81.7	86.8	76.6	61.3
82.5°	5.1	5.1	10.2	25.5	35.8	46.0	61.3	71.5	76.6	66.4	61.3
85°	0.0	5.1	10.2	20.4	30.7	40.9	40.9	30.7	25.5	15.3	20.4
87.5°	0.0	0.0	5.1	5.1	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)