

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: P533761

Luminaire Tested: **GALN-SA9B-727-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533761  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA9B-727-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29637 lumens  
Efficiency: N/A  
Efficacy: 81.4 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

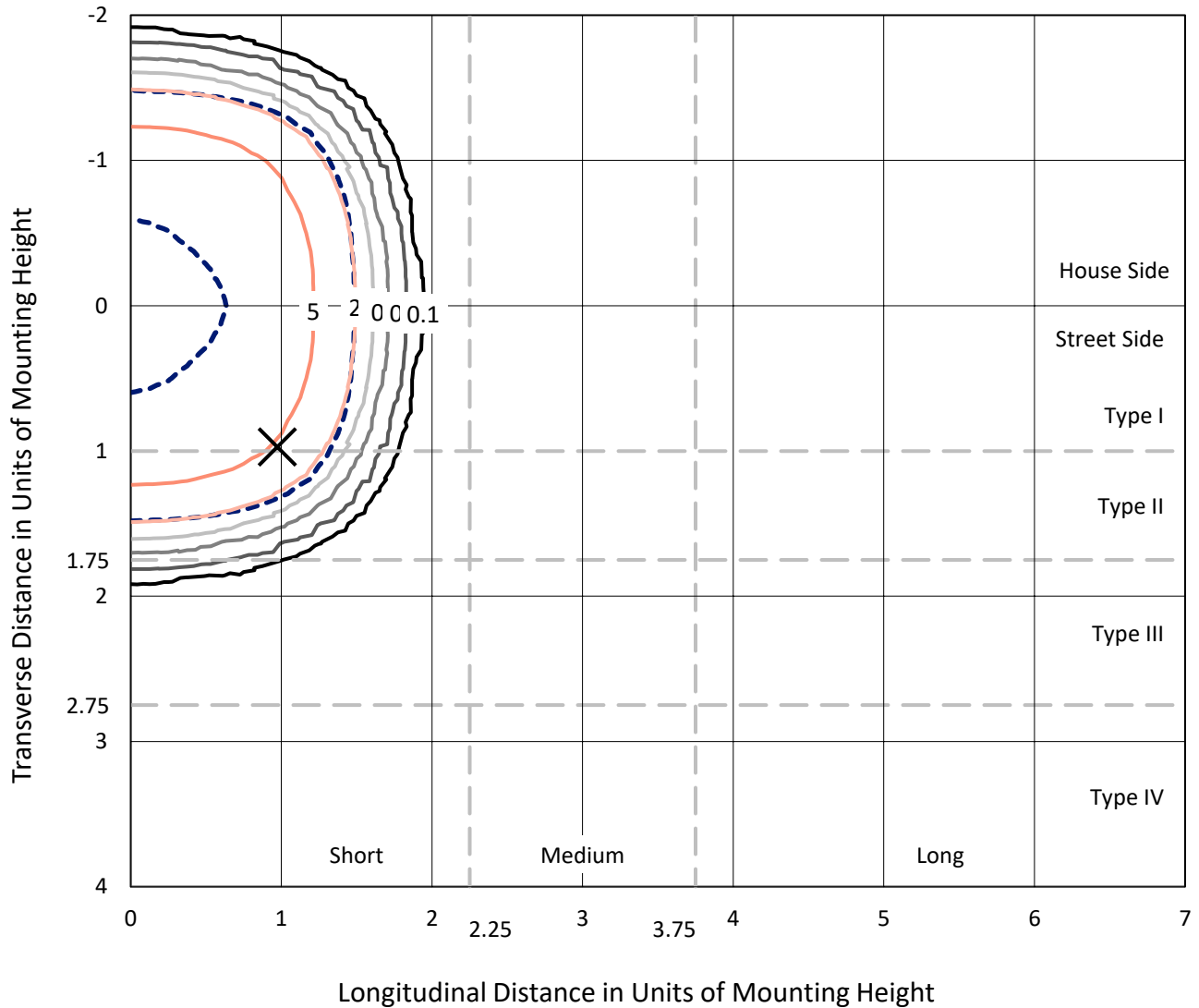
Input Watts (W): 364  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

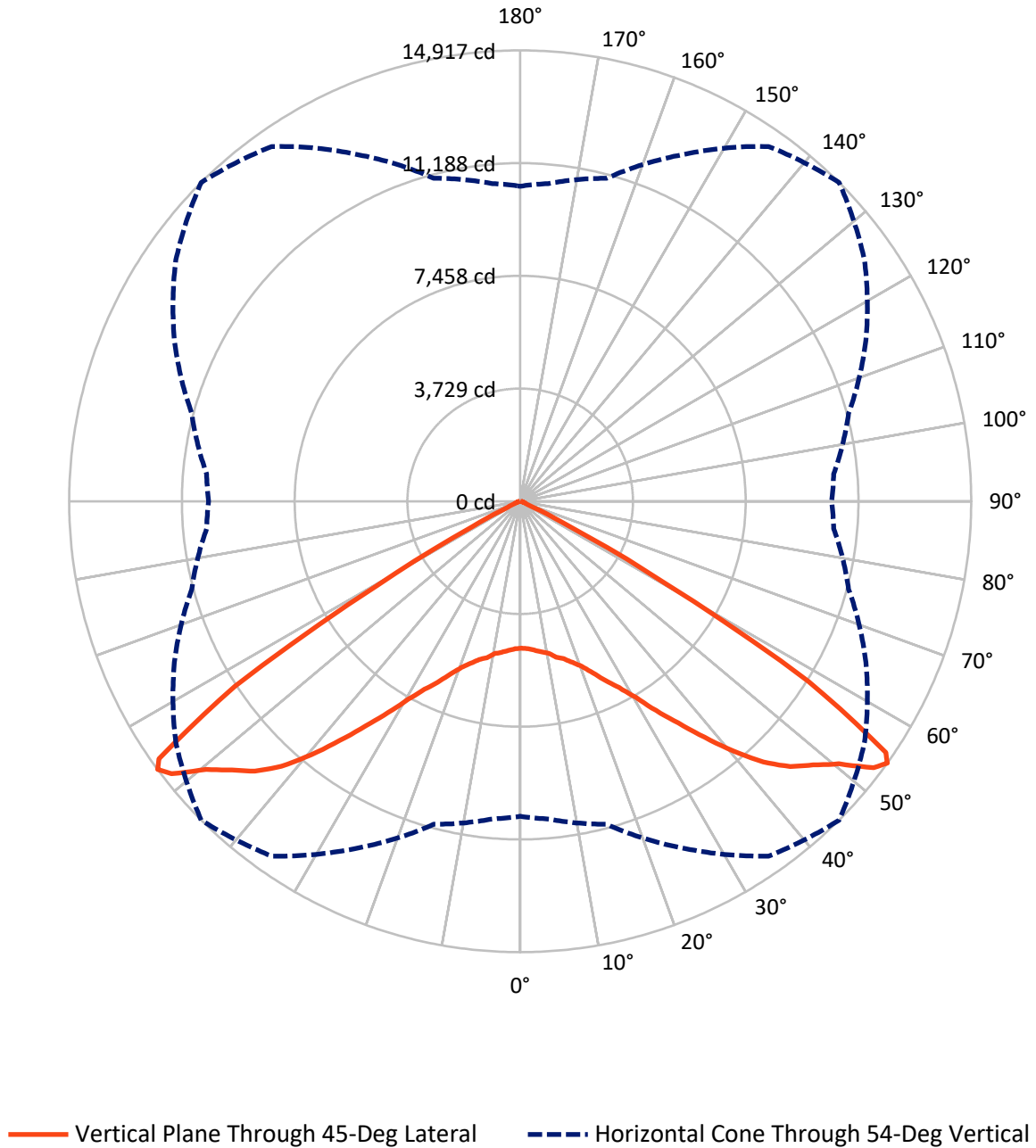
✕ Max cd  
 - - - 1/2 Max cd



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



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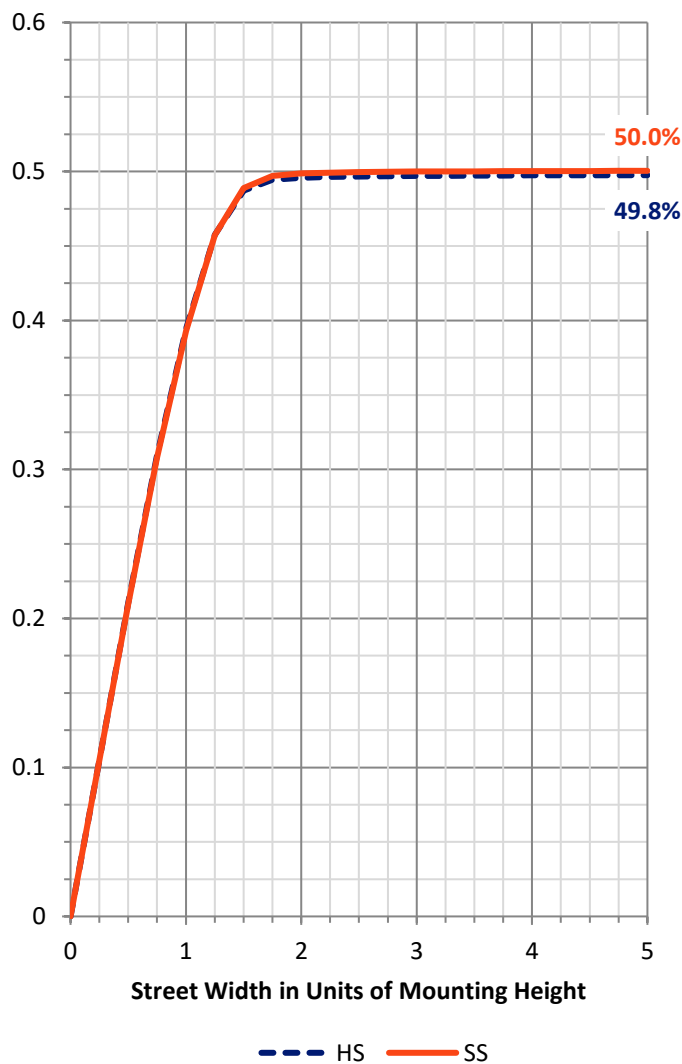
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14818.5	0.0	14818.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14818.5	0.0	14818.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29637.0	0.0	29637.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	475.6	1.6
10°-20°	1540.3	5.2
20°-30°	3018.9	10.2
30°-40°	5428.5	18.3
40°-50°	9292.6	31.4
50°-60°	8991.5	30.3
60°-70°	769.7	2.6
70°-80°	91.2	0.3
80°-90°	28.6	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°	29637.0	100.0
0°-180°	29637.0	100.0

**Coefficient of Utilization**



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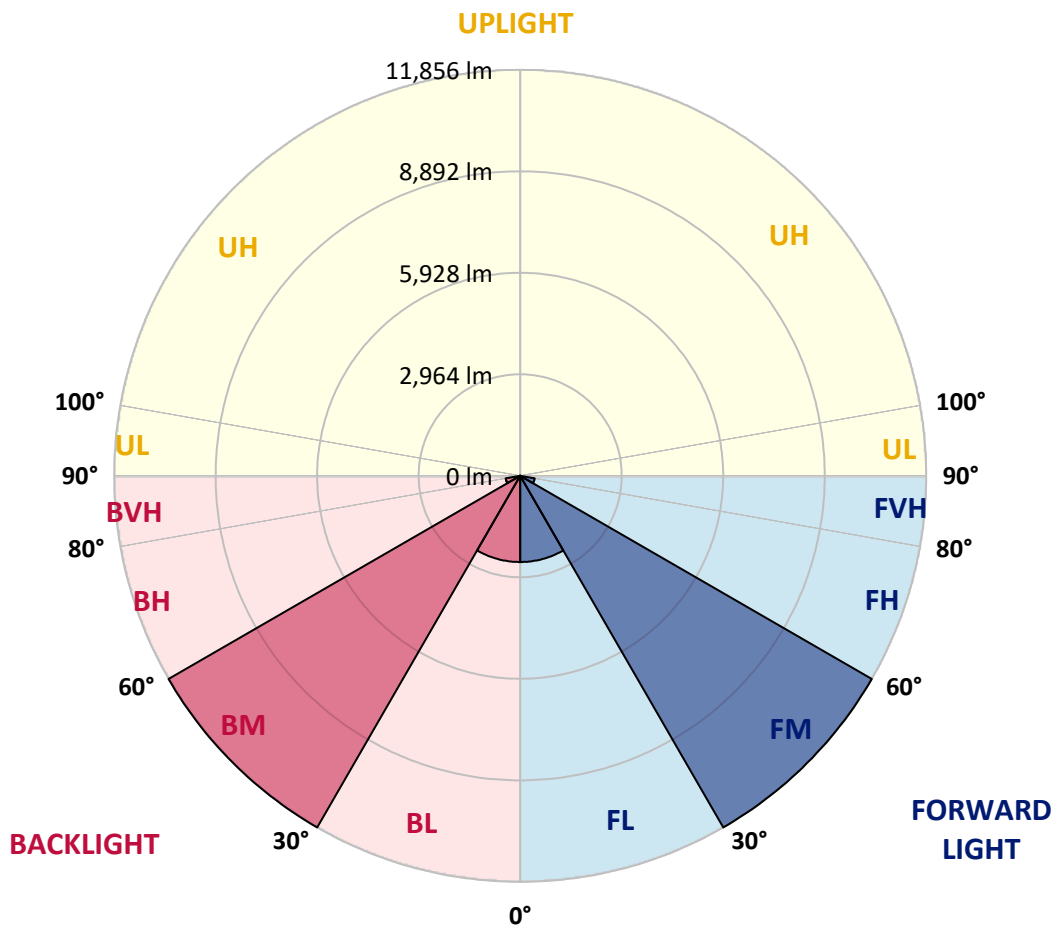
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2517.4	8.5			
FM (30°-60°)	11856.3	40.0			
FH (60°-80°)	430.5	1.5			G0/660
FVH (80°-90°)	14.3	0.0			G1/100
BL (0°-30°)	2517.4	8.5	B4/5000		
BM (30°-60°)	11856.3	40.0	B5		
BH (60°-80°)	430.5	1.5	B1/500		G0/660
BVH (80°-90°)	14.3	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°	4859.5	4859.5	4859.5	4859.5	4859.5	4859.5	4859.5	4859.5	4859.5	4859.5	4859.5
2.5°	4883.0	4911.2	4892.4	4906.5	4906.5	4883.0	4897.1	4840.8	4878.3	4850.2	4854.8
5°	4958.1	4953.4	4953.4	4958.1	4939.4	4948.8	4930.0	4911.2	4897.1	4878.3	4934.7
7.5°	5052.0	5052.0	5019.2	5028.6	5019.2	5033.3	4995.7	4958.1	4944.1	4930.0	4920.6
10°	5141.3	5131.9	5117.8	5160.0	5127.2	5108.4	5089.6	5066.1	5014.5	4995.7	4976.9
12.5°	5272.7	5268.0	5249.2	5291.5	5272.7	5291.5	5221.1	5160.0	5150.6	5089.6	5122.5
15°	5427.7	5469.9	5437.1	5437.1	5427.7	5404.2	5376.0	5347.8	5263.3	5239.9	5244.6
17.5°	5629.6	5615.5	5620.2	5620.2	5667.1	5606.1	5549.7	5479.3	5437.1	5423.0	5376.0
20°	5822.1	5840.8	5836.1	5869.0	5897.2	5831.5	5770.4	5761.0	5643.6	5662.4	5596.7
22.5°	6160.1	6146.0	6169.5	6193.0	6174.2	6164.8	6108.5	6038.0	5934.7	5887.8	5878.4
25°	6517.0	6493.5	6451.2	6507.6	6535.7	6578.0	6470.0	6432.4	6272.8	6202.4	6207.1
27.5°	6822.1	6855.0	6902.0	6925.4	6995.9	6981.8	6906.7	6784.6	6662.5	6582.7	6531.0
30°	7240.0	7258.8	7338.6	7371.5	7493.6	7526.4	7409.0	7268.2	7052.2	6948.9	6887.9
32.5°	7625.0	7756.5	7751.8	7916.1	8113.3	8249.5	8038.2	7822.2	7606.2	7484.2	7376.2
35°	8249.5	8226.0	8362.2	8535.9	8855.2	9010.1	8780.0	8531.2	8202.5	8005.3	7920.8
37.5°	8831.7	8841.1	9024.2	9301.2	9667.4	9906.9	9705.0	9296.5	8958.5	8704.9	8587.5
40°	9676.8	9695.6	9883.4	10198.0	10611.2	10869.4	10634.7	10221.5	9770.7	9573.5	9573.5
42.5°	10667.5	10747.3	10869.4	11141.7	11512.7	11799.1	11587.8	11263.8	10808.4	10554.8	10592.4
45°	11686.4	11723.9	11803.8	12207.6	12381.3	12522.1	12324.9	12174.7	11869.5	11559.6	11508.0
47.5°	12639.5	12653.6	12888.4	13015.1	13151.3	13033.9	13160.7	12963.5	12620.7	12320.2	12259.2
50°	13062.1	13038.6	13372.0	13757.0	13860.3	13653.7	13545.7	13414.2	12893.1	12531.5	12371.9
52.5°	11831.9	11968.1	12587.9	13658.4	14465.9	14639.7	14010.5	13404.8	12432.9	11728.6	11620.7
54°	10423.4	10550.1	11061.9	12648.9	14329.8	14916.7	13902.5	12616.0	11245.0	10409.3	10301.3
55°	9028.9	8888.0	9817.7	11437.5	13691.2	14672.5	13475.3	11597.2	10029.0	9263.7	9113.4
57.5°	4887.7	4911.2	5695.3	7225.9	9620.5	11249.7	9935.1	7845.7	5925.4	5066.1	4991.0
60°	1549.4	1587.0	1929.7	2920.4	4596.6	5488.7	4704.6	3150.5	2178.6	1746.6	1676.2
62.5°	483.6	502.4	549.3	817.0	1258.3	1798.3	1408.6	845.1	629.2	577.5	586.9
65°	295.8	295.8	300.5	319.3	375.6	436.7	422.6	370.9	356.8	347.4	342.8
67.5°	192.5	187.8	197.2	211.3	220.7	225.4	239.5	253.5	248.8	239.5	239.5
70°	117.4	112.7	122.1	140.9	145.6	154.9	169.0	187.8	183.1	173.7	178.4
72.5°	65.7	65.7	70.4	84.5	98.6	108.0	122.1	136.2	140.9	136.2	136.2
75°	23.5	28.2	37.6	51.6	61.0	75.1	89.2	103.3	117.4	108.0	103.3
77.5°	9.4	9.4	18.8	32.9	47.0	61.0	84.5	98.6	108.0	98.6	89.2
80°	4.7	4.7	14.1	28.2	42.3	56.3	70.4	84.5	89.2	79.8	70.4
82.5°	4.7	4.7	14.1	28.2	42.3	51.6	75.1	84.5	93.9	84.5	70.4
85°	0.0	4.7	14.1	28.2	37.6	42.3	42.3	28.2	23.5	14.1	14.1
87.5°	0.0	0.0	4.7	0.0	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)