

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: P533845

Luminaire Tested: **GALN-SA9B-740-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533845
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-SA9B-740-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 800mA 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: 33337 lumens
Efficiency: N/A
Efficacy: 91.6 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

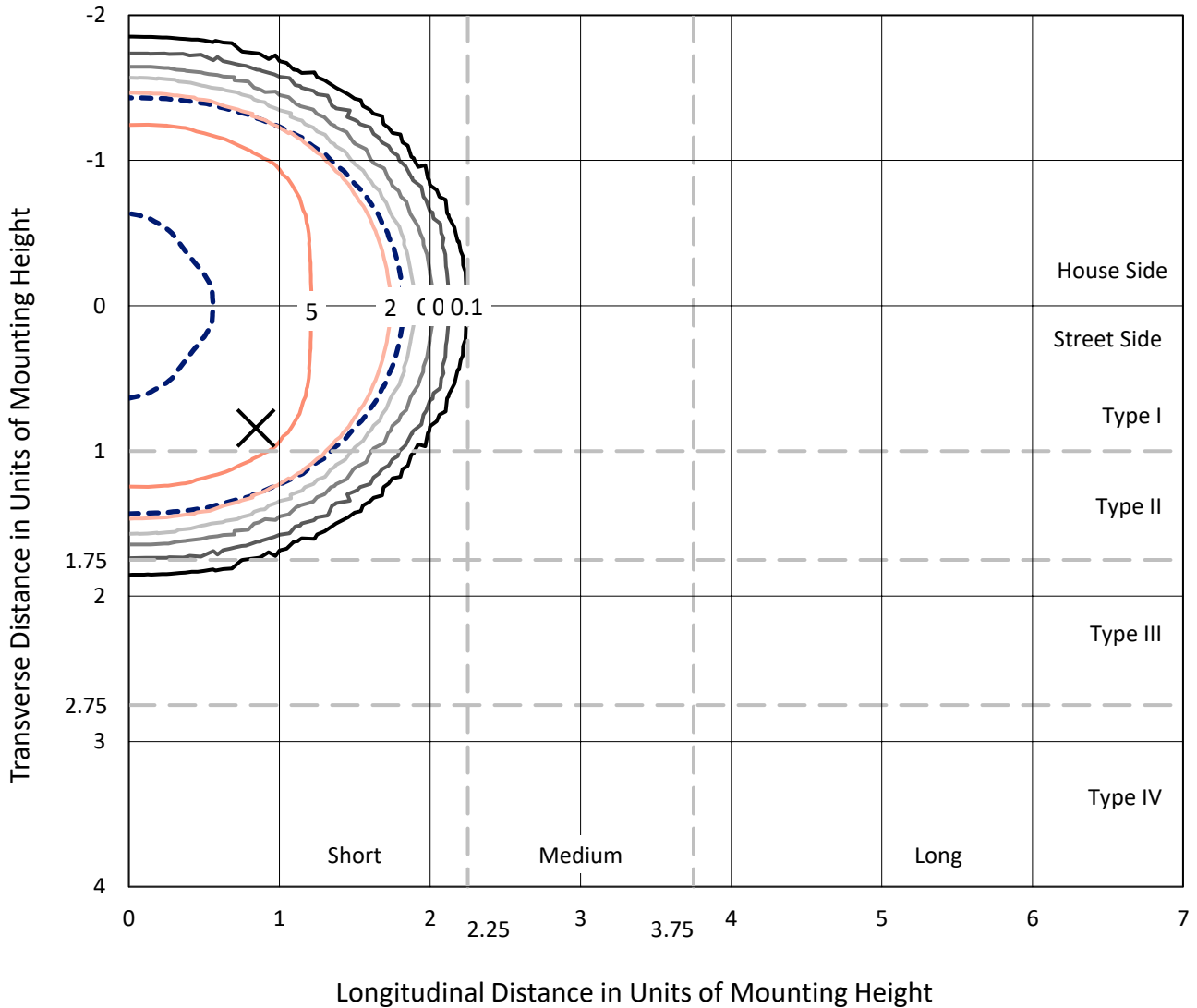
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

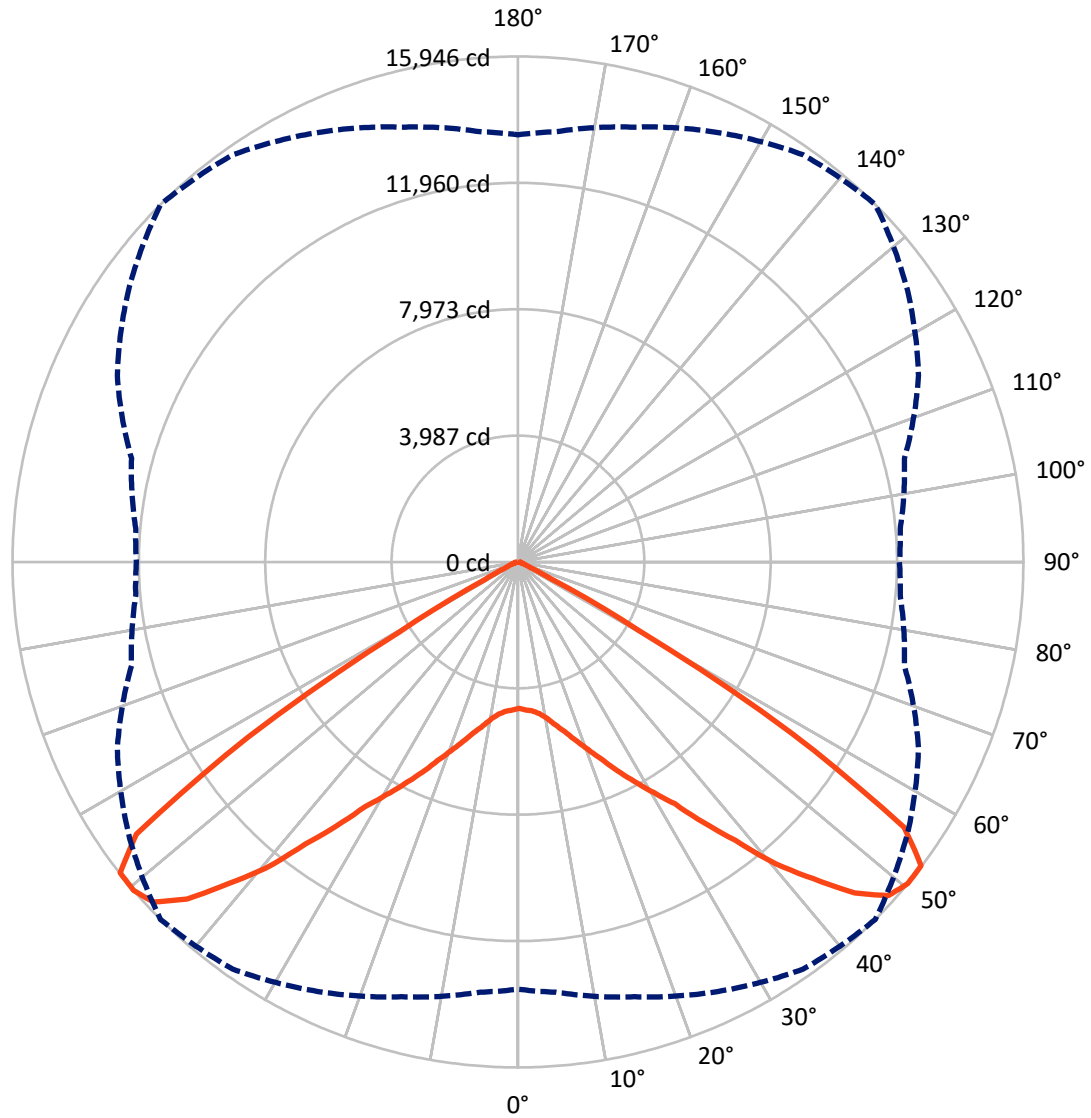
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 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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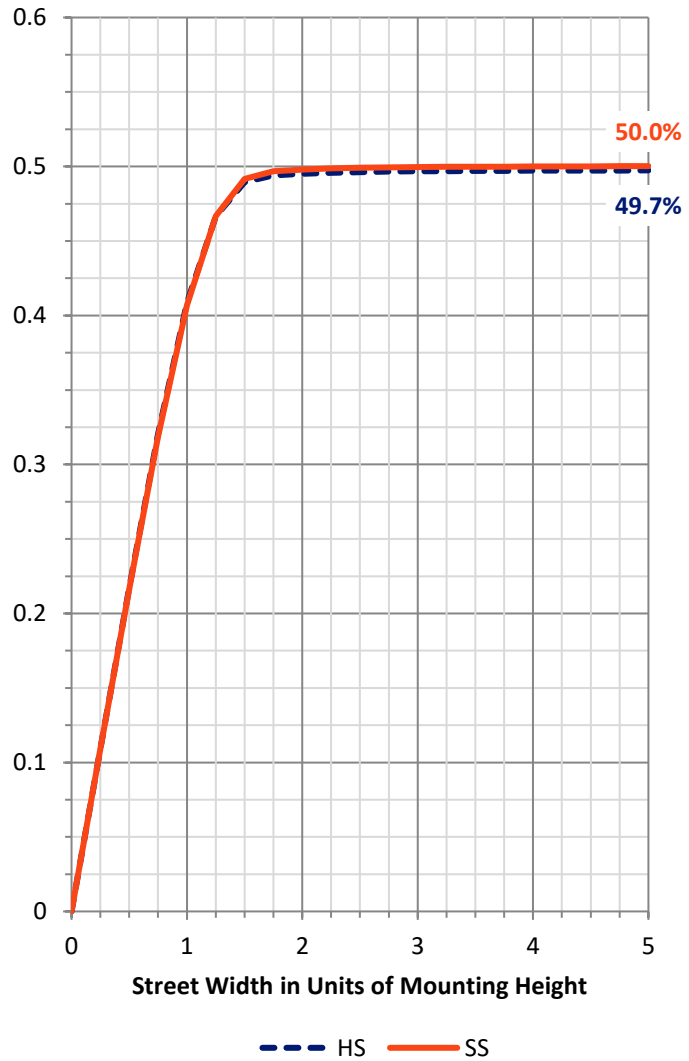
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16668.5	0.0	16668.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16668.5	0.0	16668.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33337.0	0.0	33337.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.8	1.4
10°-20°	1584.7	4.8
20°-30°	3236.7	9.7
30°-40°	6172.3	18.5
40°-50°	10401.2	31.2
50°-60°	9919.4	29.8
60°-70°	1384.7	4.2
70°-80°	132.4	0.4
80°-90°	45.8	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°	33337.0	100.0
0°-180°	33337.0	100.0

Coefficient of Utilization



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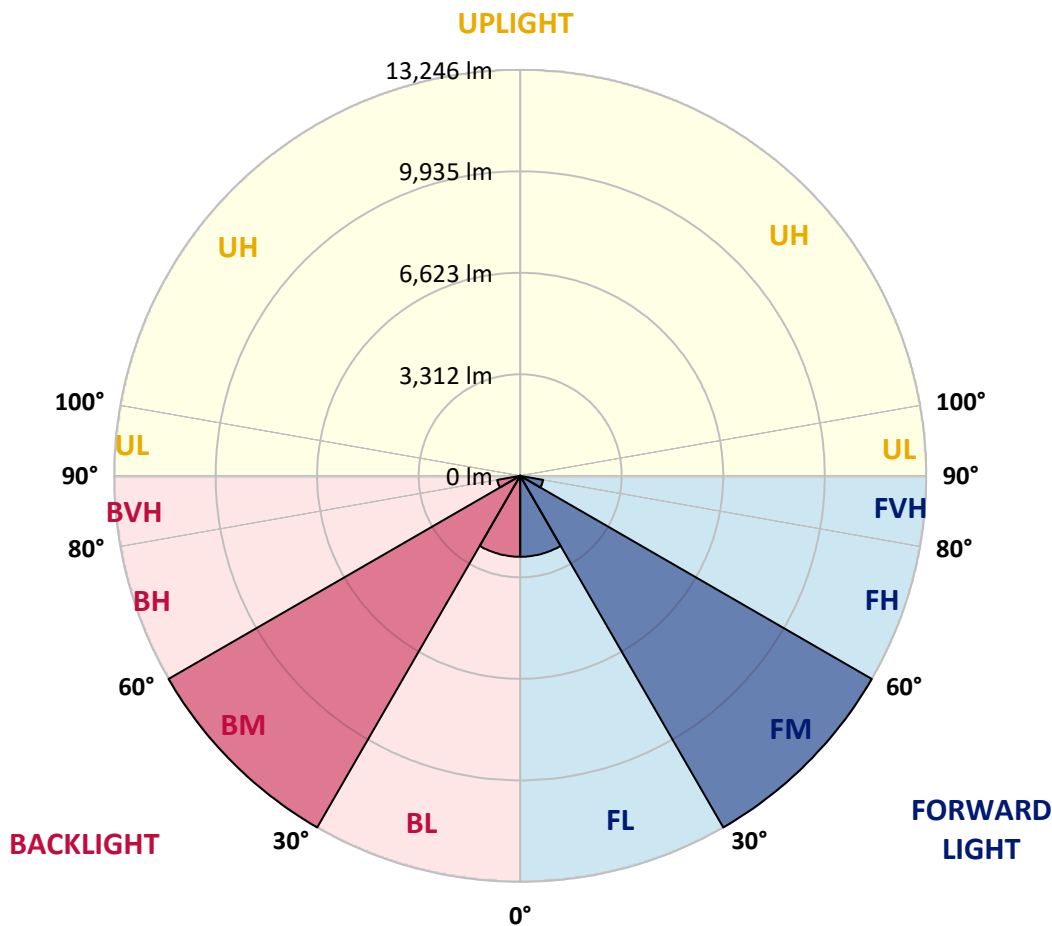
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2640.6	7.9			
FM (30°-60°)	13246.5	39.7			
FH (60°-80°)	758.6	2.3			G1/1800
FVH (80°-90°)	22.9	0.1			G1/100
BL (0°-30°)	2640.6	7.9	B4/5000		
BM (30°-60°)	13246.5	39.7	B5		
BH (60°-80°)	758.6	2.3	B2/1000		G1/1800
BVH (80°-90°)	22.9	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°	4621.8	4621.8	4621.8	4621.8	4621.8	4621.8	4621.8	4621.8	4621.8	4621.8	4621.8
2.5°	4605.0	4605.0	4599.4	4644.2	4621.8	4672.3	4666.7	4683.5	4700.3	4694.7	4739.6
5°	4565.7	4560.1	4560.1	4610.6	4661.1	4717.2	4767.6	4801.3	4857.4	4857.4	4913.5
7.5°	4605.0	4576.9	4616.2	4638.6	4734.0	4829.3	4913.5	4980.8	5109.8	5154.7	5137.8
10°	4616.2	4649.9	4677.9	4745.2	4863.0	5008.8	5081.7	5250.0	5395.8	5496.8	5519.2
12.5°	4689.1	4739.6	4818.1	4980.8	5087.4	5278.1	5379.0	5541.7	5743.6	5855.8	5934.3
15°	4829.3	4846.2	4947.1	5154.7	5384.6	5558.5	5715.6	5833.4	6029.7	6158.7	6164.3
17.5°	5008.8	5081.7	5222.0	5418.3	5659.5	5917.5	6040.9	6169.9	6242.8	6416.7	6455.9
20°	5367.8	5379.0	5513.6	5771.7	6074.5	6310.1	6399.9	6467.2	6439.1	6618.6	6652.3
22.5°	5704.3	5715.6	5883.8	6231.6	6556.9	6758.8	6798.1	6758.8	6674.7	6803.7	6814.9
25°	6046.5	6147.5	6270.9	6618.6	7022.5	7291.7	7297.3	7190.7	7016.8	7039.3	7095.4
27.5°	6579.3	6652.3	6781.3	7101.0	7544.1	7847.0	7796.5	7667.5	7443.1	7460.0	7443.1
30°	7201.9	7269.3	7375.8	7785.3	8110.6	8441.5	8514.4	8391.1	8054.5	7981.6	8065.7
32.5°	7953.5	8048.9	8245.2	8621.0	8895.9	9097.8	9148.3	9103.4	8789.3	8761.2	8817.3
35°	8867.8	8996.8	9176.3	9507.2	9731.6	10096.2	10096.2	9944.7	9658.7	9692.3	9686.7
37.5°	9832.6	10023.3	10303.7	10640.3	10943.1	11139.5	11077.8	10948.7	10662.7	10589.8	10662.7
40°	11044.1	11139.5	11492.8	11930.3	12300.5	12524.9	12261.3	11980.8	11296.5	11403.1	11599.4
42.5°	12149.1	12300.5	12569.7	13052.1	13472.8	13657.9	13343.8	12788.5	11964.0	11879.8	12025.7
45°	13091.4	13254.0	13607.4	14297.3	14740.4	14903.1	14207.6	13310.1	12367.8	12154.7	12216.4
47.5°	13719.6	13803.7	14297.3	14953.6	15357.4	15727.6	14729.2	13669.1	12558.5	12154.7	12132.2
50°	13478.4	13624.2	14202.0	14948.0	15682.7	15946.4	14992.8	13944.0	12620.2	12104.2	12036.9
52.5°	11969.6	12222.0	12867.0	13871.0	14981.6	15923.9	15357.4	13854.2	12597.8	12154.7	12255.6
55°	8329.4	8335.0	9120.2	10601.0	12564.1	14785.3	14824.6	13955.2	12743.6	12468.8	12474.4
57.5°	3348.6	3516.8	4117.0	5603.4	7415.1	10152.3	12070.5	12945.6	12760.5	12693.1	12867.0
60°	847.0	852.6	1037.7	1581.7	2608.2	4352.6	6321.3	8553.7	9849.4	10292.5	10354.2
62.5°	431.9	437.5	482.4	560.9	712.3	1166.7	2075.3	3292.5	4683.5	5390.2	5575.3
65°	353.4	353.4	381.4	420.7	426.3	448.7	538.5	768.4	1116.2	1267.6	1284.5
67.5°	269.2	269.2	291.7	314.1	325.3	319.7	308.5	319.7	387.0	370.2	359.0
70°	168.3	173.9	185.1	207.5	218.8	224.4	230.0	241.2	274.8	286.1	274.8
72.5°	101.0	101.0	106.6	123.4	140.2	151.4	168.3	179.5	196.3	224.4	218.8
75°	44.9	44.9	56.1	72.9	89.7	106.6	123.4	140.2	151.4	168.3	173.9
77.5°	11.2	16.8	28.0	50.5	67.3	89.7	112.2	129.0	140.2	140.2	134.6
80°	5.6	5.6	22.4	39.3	72.9	95.4	123.4	134.6	151.4	140.2	123.4
82.5°	5.6	5.6	22.4	39.3	67.3	95.4	129.0	145.8	157.1	140.2	117.8
85°	0.0	5.6	16.8	33.7	56.1	67.3	56.1	39.3	22.4	22.4	16.8
87.5°	0.0	0.0	5.6	5.6	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)