

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: P533499

Luminaire Tested: **GALN-SA9A-722-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533499
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-722-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 2200K, 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: 18290 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

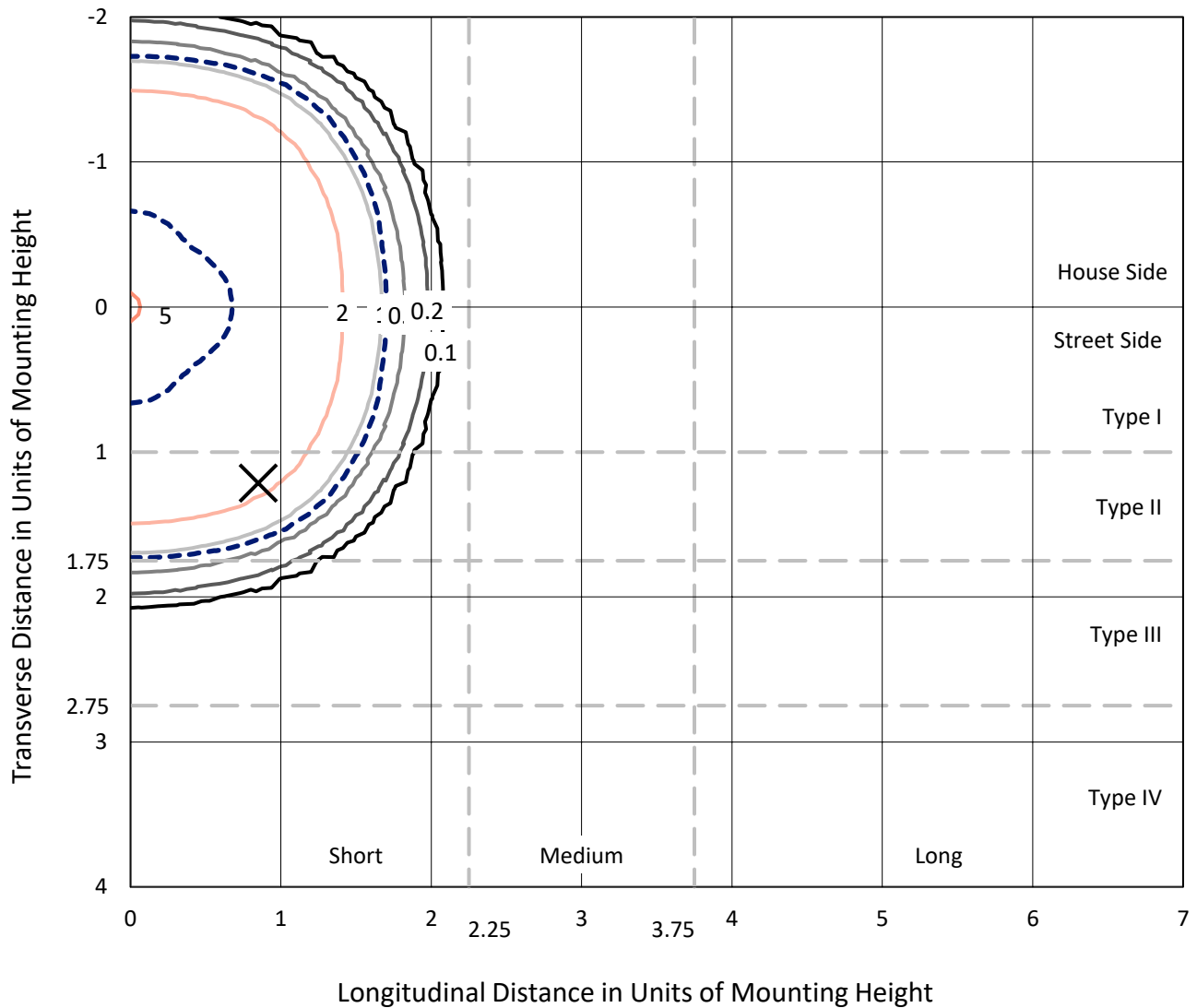
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

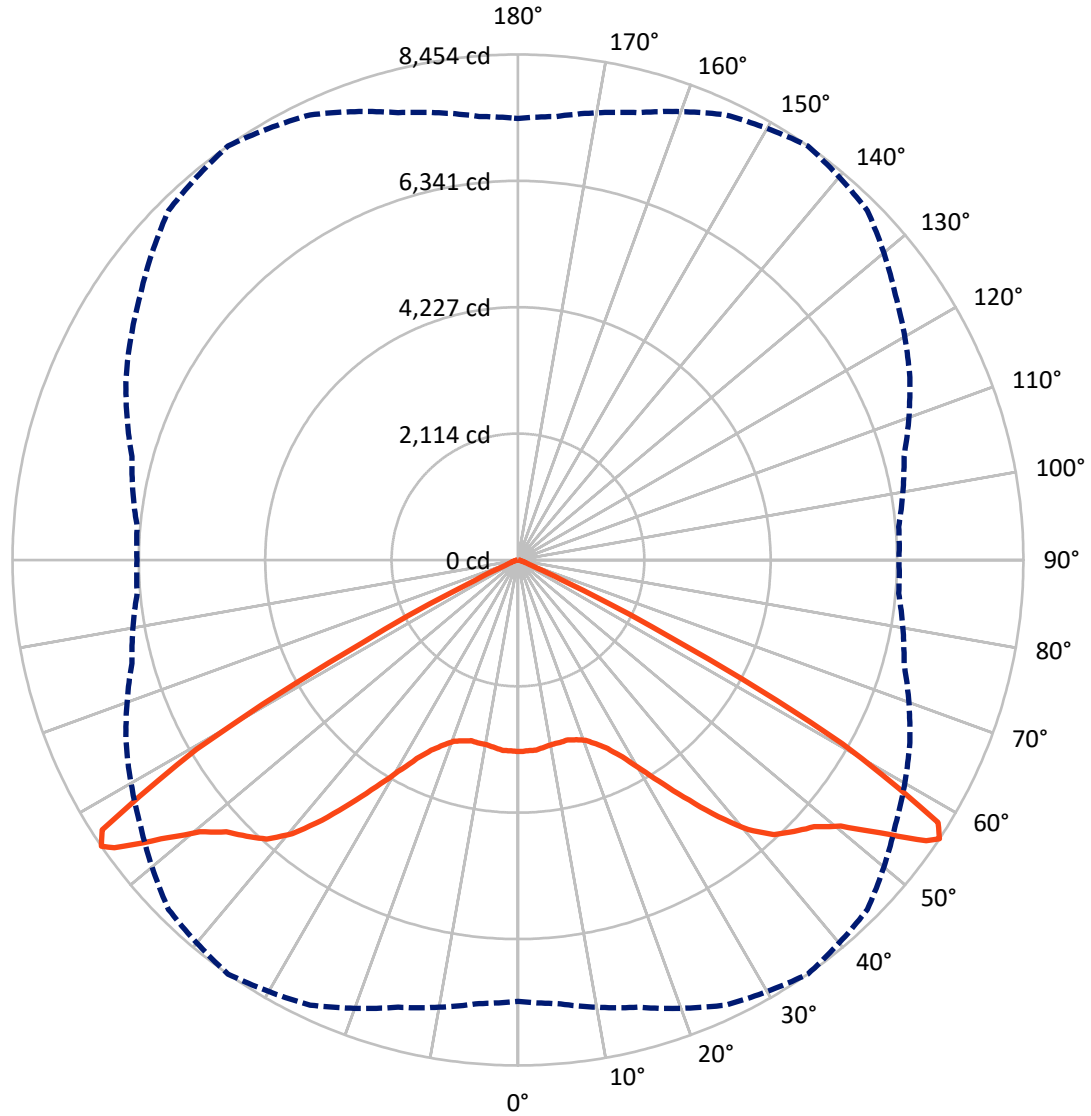
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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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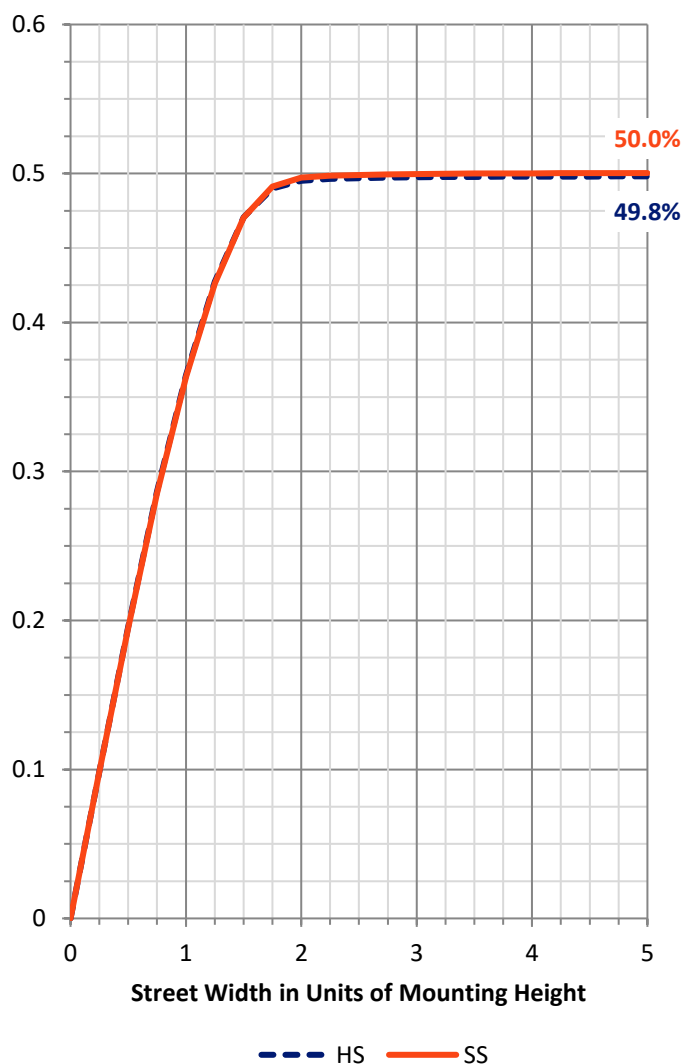
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9145.0	0.0	9145.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9145.0	0.0	9145.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18290.0	0.0	18290.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.2	1.6
10°-20°	879.4	4.8
20°-30°	1592.4	8.7
30°-40°	2952.9	16.1
40°-50°	4847.0	26.5
50°-60°	6244.3	34.1
60°-70°	1376.2	7.5
70°-80°	79.8	0.4
80°-90°	16.8	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°	18290.0	100.0
0°-180°	18290.0	100.0

Coefficient of Utilization

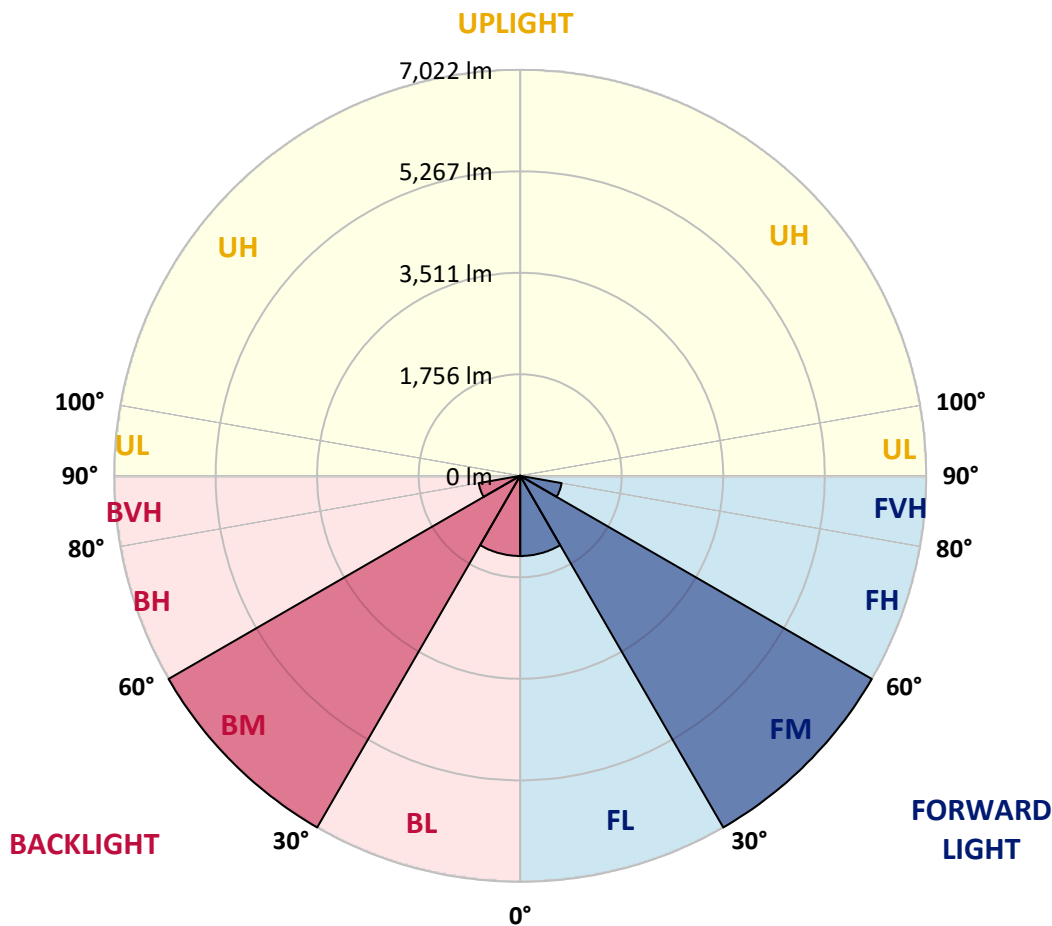


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1386.5	7.6			
FM (30°-60°)	7022.1	38.4			
FH (60°-80°)	728.0	4.0			G1/1800
FVH (80°-90°)	8.4	0.0			G0/10
BL (0°-30°)	1386.5	7.6	B3/2500		
BM (30°-60°)	7022.1	38.4	B4/8500		
BH (60°-80°)	728.0	4.0	B2/1000		G1/1800
BVH (80°-90°)	8.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3204.8	3204.8	3204.8	3204.8	3204.8	3204.8	3204.8	3204.8	3204.8	3204.8	3204.8
2.5°	3211.4	3211.4	3214.7	3218.1	3194.9	3184.9	3188.2	3181.6	3178.3	3188.2	3188.2
5°	3201.5	3201.5	3191.5	3194.9	3194.9	3165.0	3165.0	3171.7	3171.7	3151.8	3145.1
7.5°	3175.0	3168.3	3155.1	3171.7	3161.7	3161.7	3138.5	3121.9	3115.3	3128.6	3115.3
10°	3118.6	3121.9	3135.2	3141.8	3135.2	3155.1	3115.3	3092.1	3068.9	3059.0	3059.0
12.5°	3092.1	3112.0	3092.1	3108.7	3131.9	3115.3	3092.1	3075.5	3042.4	3029.2	3029.2
15°	3088.8	3102.1	3108.7	3131.9	3121.9	3128.6	3082.2	3062.3	3012.6	2989.4	2979.4
17.5°	3085.5	3102.1	3112.0	3155.1	3161.7	3165.0	3128.6	3068.9	3025.8	3002.6	2979.4
20°	3121.9	3128.6	3148.5	3191.5	3218.1	3264.5	3198.2	3135.2	3042.4	3015.9	3006.0
22.5°	3168.3	3201.5	3221.4	3267.8	3337.4	3377.1	3291.0	3211.4	3115.3	3082.2	3042.4
25°	3317.5	3310.9	3344.0	3440.1	3496.4	3526.3	3456.7	3340.7	3214.7	3175.0	3181.6
27.5°	3503.1	3509.7	3539.5	3645.6	3728.4	3774.8	3692.0	3539.5	3416.9	3350.6	3344.0
30°	3745.0	3738.4	3771.5	3914.0	4063.2	4132.8	3986.9	3808.0	3688.7	3602.5	3622.4
32.5°	4000.2	4003.5	4096.3	4225.6	4467.5	4603.4	4368.1	4149.3	3970.4	3910.7	3880.9
35°	4378.0	4394.6	4467.5	4666.3	4934.8	5110.4	4851.9	4590.1	4384.6	4275.3	4288.5
37.5°	4845.3	4828.7	4951.4	5166.8	5448.5	5577.7	5359.0	5060.7	4851.9	4779.0	4825.4
40°	5342.4	5359.0	5422.0	5617.5	5932.4	6018.5	5693.7	5531.3	5349.1	5312.6	5369.0
42.5°	5839.6	5829.6	5876.0	6051.7	6280.4	6220.7	6028.5	5932.4	5803.1	5730.2	5806.4
45°	6204.1	6187.6	6273.7	6393.0	6475.9	6363.2	6277.0	6243.9	6177.6	6098.1	6167.7
47.5°	6558.7	6545.5	6628.3	6661.5	6668.1	6519.0	6535.5	6595.2	6429.5	6263.8	6343.3
50°	6860.3	6837.1	6939.9	7012.8	6996.2	6757.6	6817.2	6757.6	6499.1	6303.5	6273.7
52.5°	7364.1	7374.0	7483.4	7616.0	7576.2	7377.3	7291.2	7019.4	6688.0	6512.3	6409.6
55°	7682.2	7632.5	7821.4	8242.3	8288.7	8083.3	7702.1	7301.1	6804.0	6588.6	6562.1
56°	7384.0	7446.9	7745.2	8215.8	8454.4	8265.5	7712.1	7231.5	6684.7	6393.0	6373.1
57.5°	6625.0	6591.9	6996.2	7639.2	8288.7	8209.2	7440.3	6734.4	6098.1	5770.0	5730.2
60°	4122.8	4218.9	4573.6	5369.0	6237.3	6277.0	5514.8	4908.3	4165.9	3874.3	3943.9
62.5°	1614.0	1531.1	1753.2	2346.4	2943.0	3075.5	2787.2	2316.6	1902.3	1614.0	1594.1
65°	374.5	364.6	411.0	566.7	792.1	918.0	871.6	626.4	460.7	437.5	404.3
67.5°	212.1	212.1	202.2	202.2	222.0	235.3	225.4	222.0	232.0	241.9	238.6
70°	149.1	145.8	139.2	142.5	135.9	135.9	145.8	162.4	175.7	175.7	179.0
72.5°	89.5	89.5	89.5	99.4	99.4	99.4	109.4	122.6	125.9	122.6	119.3
75°	39.8	39.8	46.4	56.3	63.0	66.3	76.2	82.9	89.5	82.9	76.2
77.5°	9.9	9.9	16.6	23.2	29.8	36.5	49.7	59.7	63.0	59.7	49.7
80°	3.3	3.3	6.6	16.6	29.8	36.5	49.7	53.0	56.3	49.7	39.8
82.5°	3.3	3.3	6.6	16.6	23.2	29.8	39.8	46.4	49.7	43.1	39.8
85°	0.0	3.3	6.6	13.3	19.9	26.5	26.5	19.9	16.6	9.9	13.3
87.5°	0.0	0.0	3.3	3.3	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)