

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: P532571

Luminaire Tested: **GALN-SA8A-722-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532571
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-SA8A-722-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2200K, 615mA 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: 17543 lumens
Efficiency: N/A
Efficacy: 71.9 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

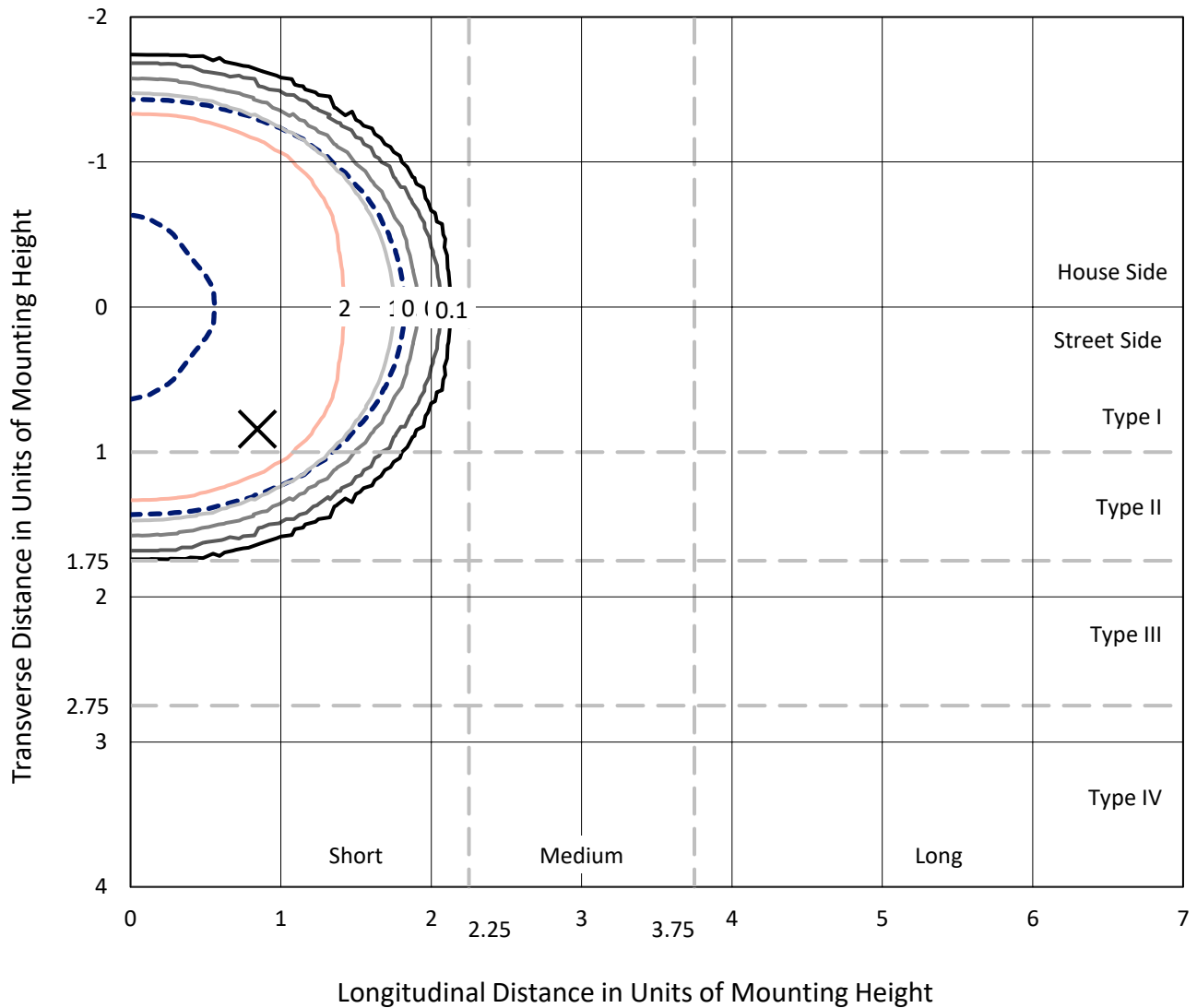
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

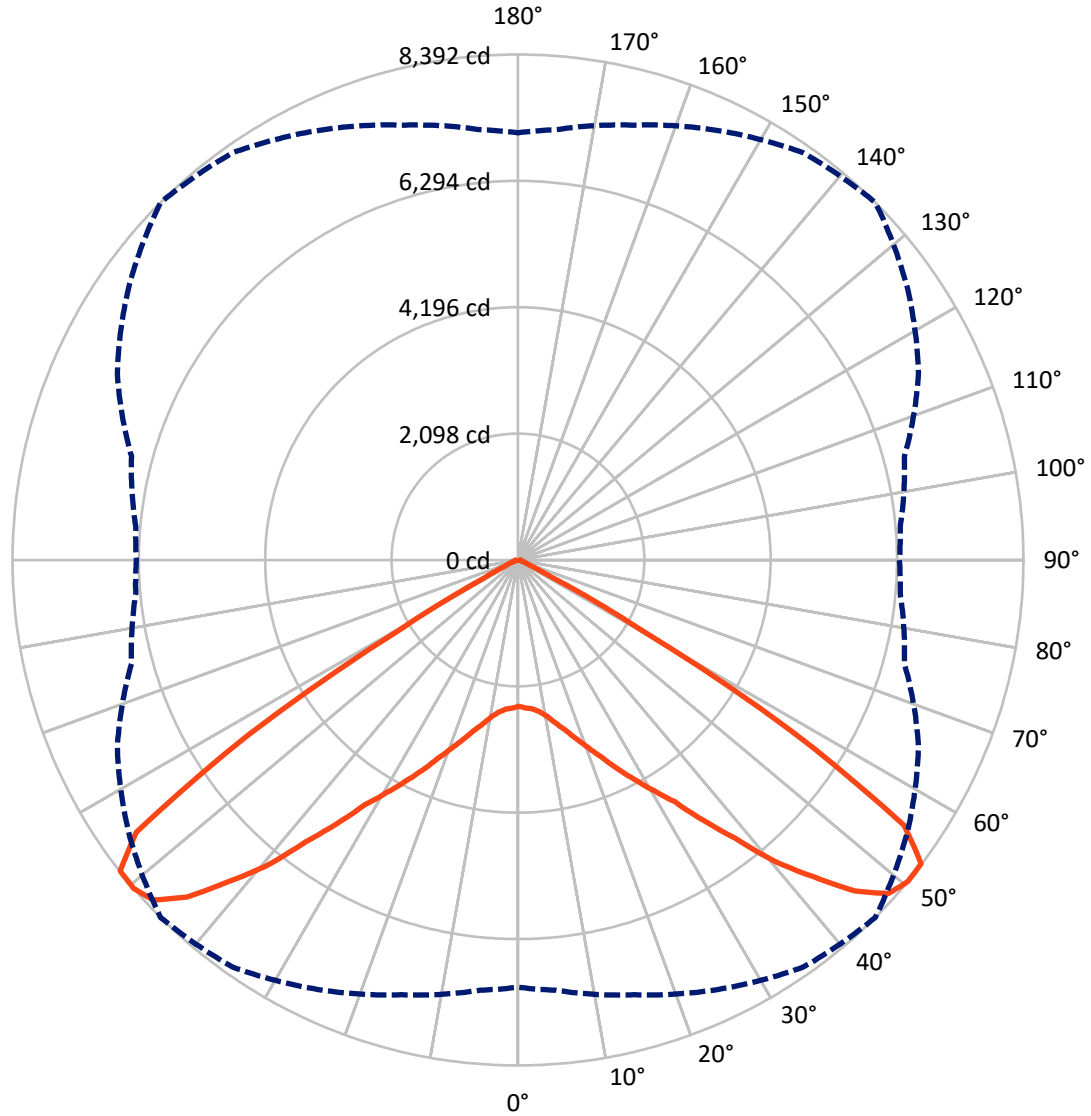
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	8771.5	0.0	8771.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8771.5	0.0	8771.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17543.0	0.0	17543.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.0	1.4
10°-20°	833.9	4.8
20°-30°	1703.2	9.7
30°-40°	3248.1	18.5
40°-50°	5473.5	31.2
50°-60°	5219.9	29.8
60°-70°	728.7	4.2
70°-80°	69.7	0.4
80°-90°	24.1	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°	17543.0	100.0
0°-180°	17543.0	100.0

Coefficient of Utilization



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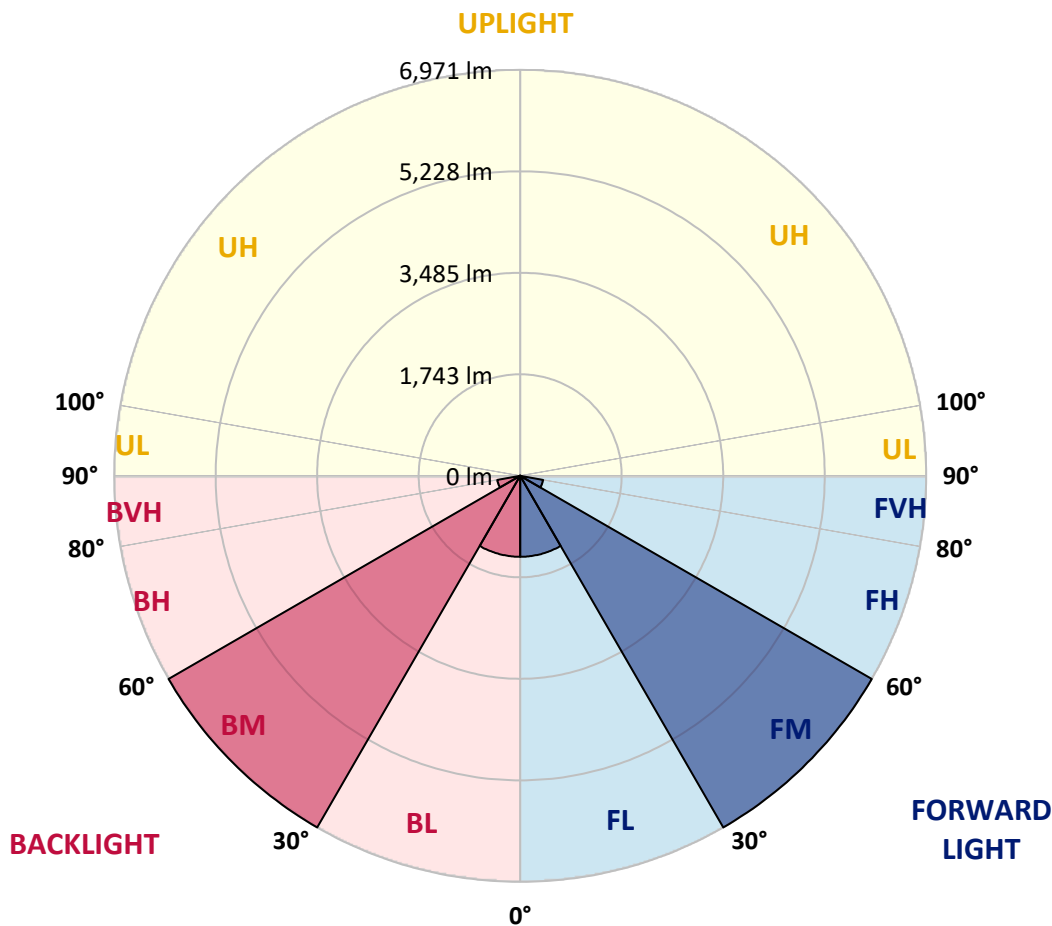
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1389.6	7.9			
FM (30°-60°)	6970.7	39.7			
FH (60°-80°)	399.2	2.3			G0/660
FVH (80°-90°)	12.0	0.1			G1/100
BL (0°-30°)	1389.6	7.9	B3/2500		
BM (30°-60°)	6970.7	39.7	B4/8500		
BH (60°-80°)	399.2	2.3	B1/500		G0/660
BVH (80°-90°)	12.0	0.1			G1/100
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°	2432.1	2432.1	2432.1	2432.1	2432.1	2432.1	2432.1	2432.1	2432.1	2432.1	2432.1
2.5°	2423.3	2423.3	2420.3	2444.0	2432.1	2458.7	2455.8	2464.6	2473.5	2470.5	2494.1
5°	2402.6	2399.7	2399.7	2426.2	2452.8	2482.3	2508.9	2526.6	2556.1	2556.1	2585.6
7.5°	2423.3	2408.5	2429.2	2441.0	2491.2	2541.4	2585.6	2621.0	2688.9	2712.5	2703.7
10°	2429.2	2446.9	2461.7	2497.1	2559.1	2635.8	2674.2	2762.7	2839.5	2892.6	2904.4
12.5°	2467.6	2494.1	2535.5	2621.0	2677.1	2777.5	2830.6	2916.2	3022.5	3081.5	3122.8
15°	2541.4	2550.2	2603.3	2712.5	2833.6	2925.1	3007.7	3069.7	3173.0	3240.9	3243.8
17.5°	2635.8	2674.2	2748.0	2851.3	2978.2	3114.0	3178.9	3246.8	3285.2	3376.7	3397.3
20°	2824.7	2830.6	2901.5	3037.2	3196.6	3320.6	3367.8	3403.2	3388.5	3482.9	3500.6
22.5°	3001.8	3007.7	3096.3	3279.3	3450.5	3556.7	3577.4	3556.7	3512.4	3580.3	3586.2
25°	3181.9	3235.0	3299.9	3482.9	3695.4	3837.1	3840.1	3784.0	3692.5	3704.3	3733.8
27.5°	3462.3	3500.6	3568.5	3736.8	3969.9	4129.3	4102.8	4034.9	3916.8	3925.7	3916.8
30°	3789.9	3825.3	3881.4	4096.9	4268.1	4442.2	4480.6	4415.6	4238.5	4200.2	4244.4
32.5°	4185.4	4235.6	4338.9	4536.7	4681.3	4787.5	4814.1	4790.5	4625.2	4610.4	4640.0
35°	4666.5	4734.4	4828.9	5003.0	5121.1	5312.9	5312.9	5233.2	5082.7	5100.4	5097.5
37.5°	5174.2	5274.6	5422.1	5599.2	5758.6	5861.9	5829.5	5761.6	5611.1	5572.7	5611.1
40°	5811.8	5861.9	6047.9	6278.1	6472.9	6591.0	6452.3	6304.7	5944.6	6000.7	6104.0
42.5°	6393.2	6472.9	6614.6	6868.4	7089.8	7187.2	7021.9	6729.7	6295.8	6251.6	6328.3
45°	6889.1	6974.7	7160.7	7523.7	7756.9	7842.5	7476.5	7004.2	6508.3	6396.2	6428.7
47.5°	7219.7	7264.0	7523.7	7869.0	8081.6	8276.4	7751.0	7193.1	6608.7	6396.2	6384.4
50°	7092.8	7169.5	7473.5	7866.1	8252.8	8391.5	7889.7	7337.8	6641.2	6369.6	6334.2
52.5°	6298.8	6431.6	6771.0	7299.4	7883.8	8379.7	8081.6	7290.5	6629.4	6396.2	6449.3
55°	4383.2	4386.1	4799.4	5578.6	6611.7	7780.5	7801.2	7343.7	6706.1	6561.5	6564.4
57.5°	1762.1	1850.7	2166.5	2948.7	3902.1	5342.5	6351.9	6812.4	6715.0	6679.5	6771.0
60°	445.7	448.6	546.1	832.4	1372.5	2290.5	3326.5	4501.2	5183.1	5416.2	5448.7
62.5°	227.3	230.2	253.8	295.2	374.9	613.9	1092.1	1732.6	2464.6	2836.5	2933.9
65°	186.0	186.0	200.7	221.4	224.3	236.1	283.4	404.4	587.4	667.1	675.9
67.5°	141.7	141.7	153.5	165.3	171.2	168.2	162.3	168.2	203.7	194.8	188.9
70°	88.5	91.5	97.4	109.2	115.1	118.1	121.0	126.9	144.6	150.5	144.6
72.5°	53.1	53.1	56.1	64.9	73.8	79.7	88.5	94.5	103.3	118.1	115.1
75°	23.6	23.6	29.5	38.4	47.2	56.1	64.9	73.8	79.7	88.5	91.5
77.5°	5.9	8.9	14.8	26.6	35.4	47.2	59.0	67.9	73.8	73.8	70.8
80°	3.0	3.0	11.8	20.7	38.4	50.2	64.9	70.8	79.7	73.8	64.9
82.5°	3.0	3.0	11.8	20.7	35.4	50.2	67.9	76.7	82.6	73.8	62.0
85°	0.0	3.0	8.9	17.7	29.5	35.4	29.5	20.7	11.8	11.8	8.9
87.5°	0.0	0.0	3.0	3.0	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)