

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: P531865

Luminaire Tested: **GALN-SA7B-722-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7B-722-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15197 lumens
Efficiency: N/A
Efficacy: 53.1 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

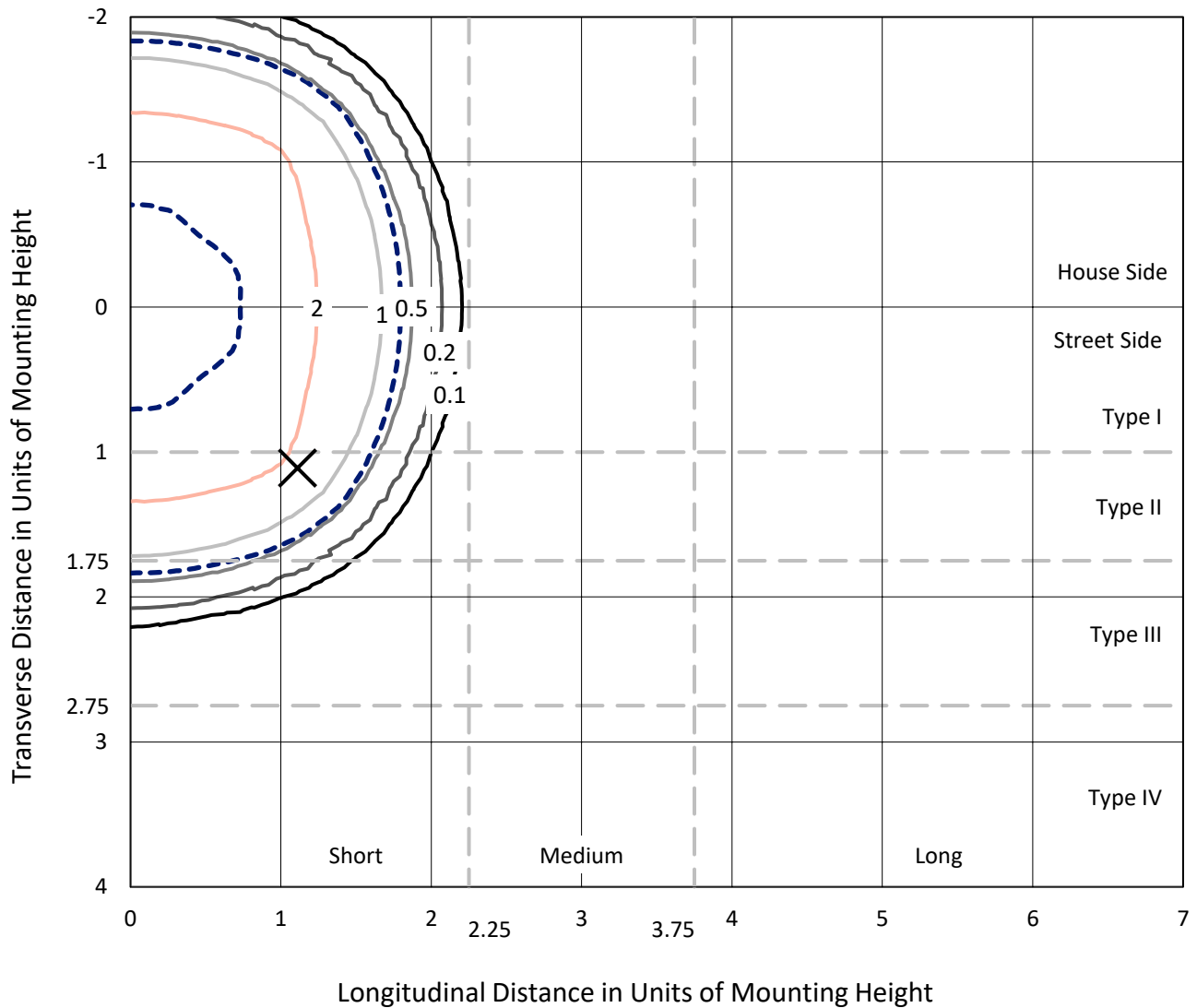
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

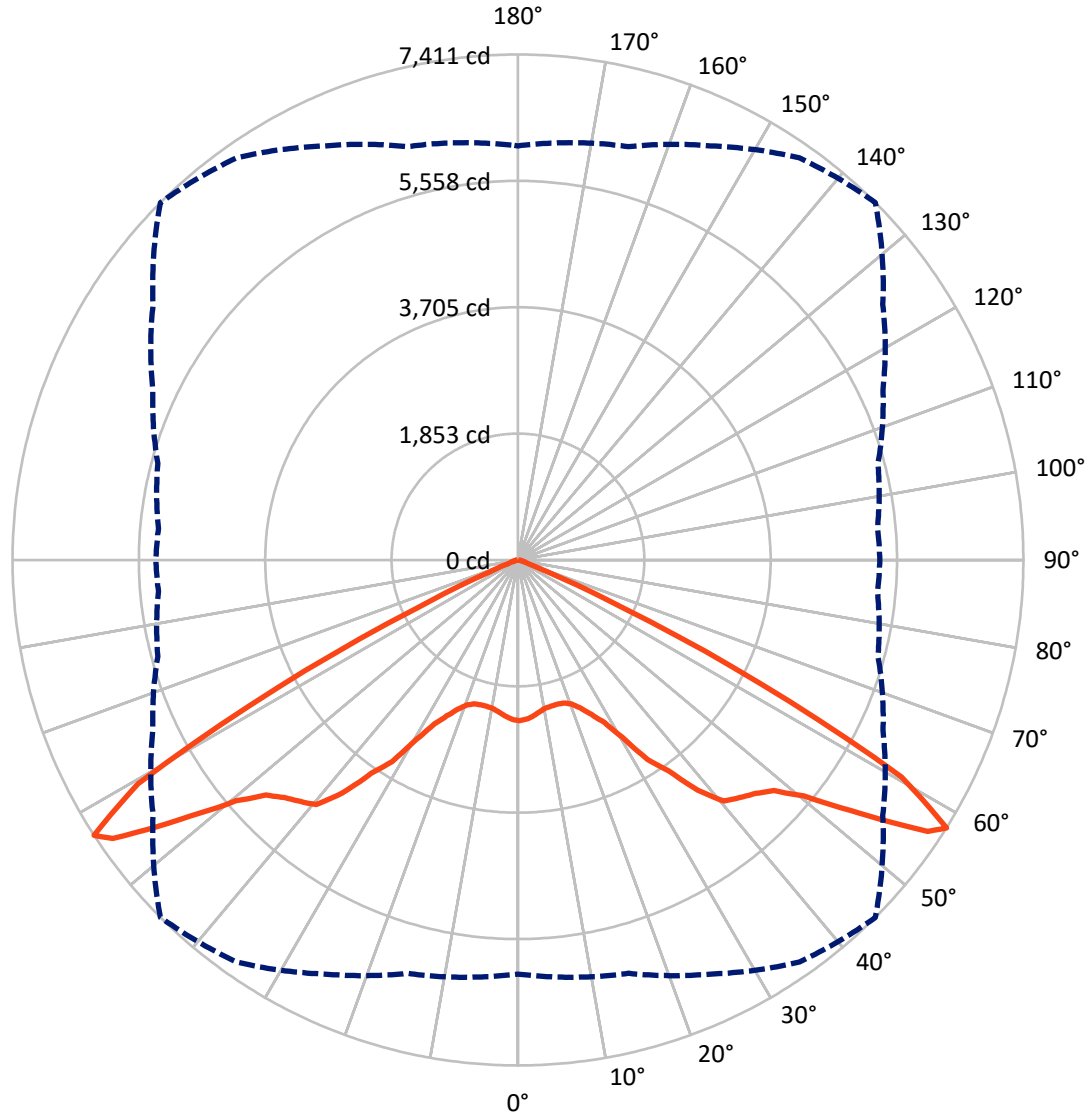
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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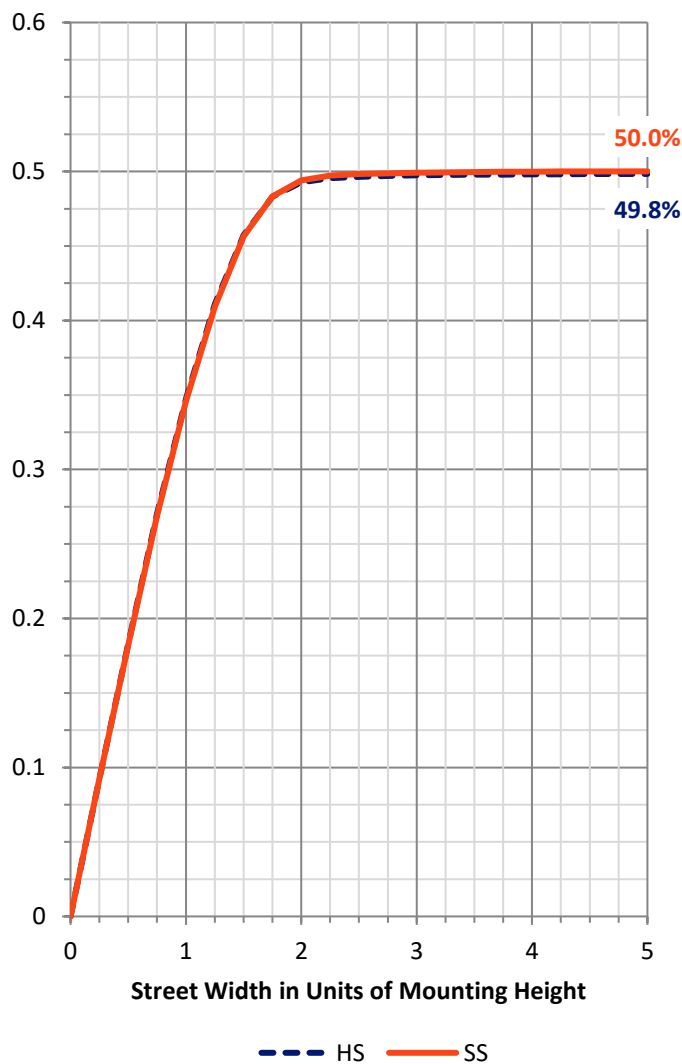
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7598.5	0.0	7598.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7598.5	0.0	7598.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15197.0	0.0	15197.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.6	1.4
10°-20°	626.1	4.1
20°-30°	1155.7	7.6
30°-40°	2272.9	15.0
40°-50°	3701.9	24.4
50°-60°	5279.4	34.7
60°-70°	1827.9	12.0
70°-80°	98.1	0.6
80°-90°	18.4	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°	15197.0	100.0
0°-180°	15197.0	100.0

Coefficient of Utilization



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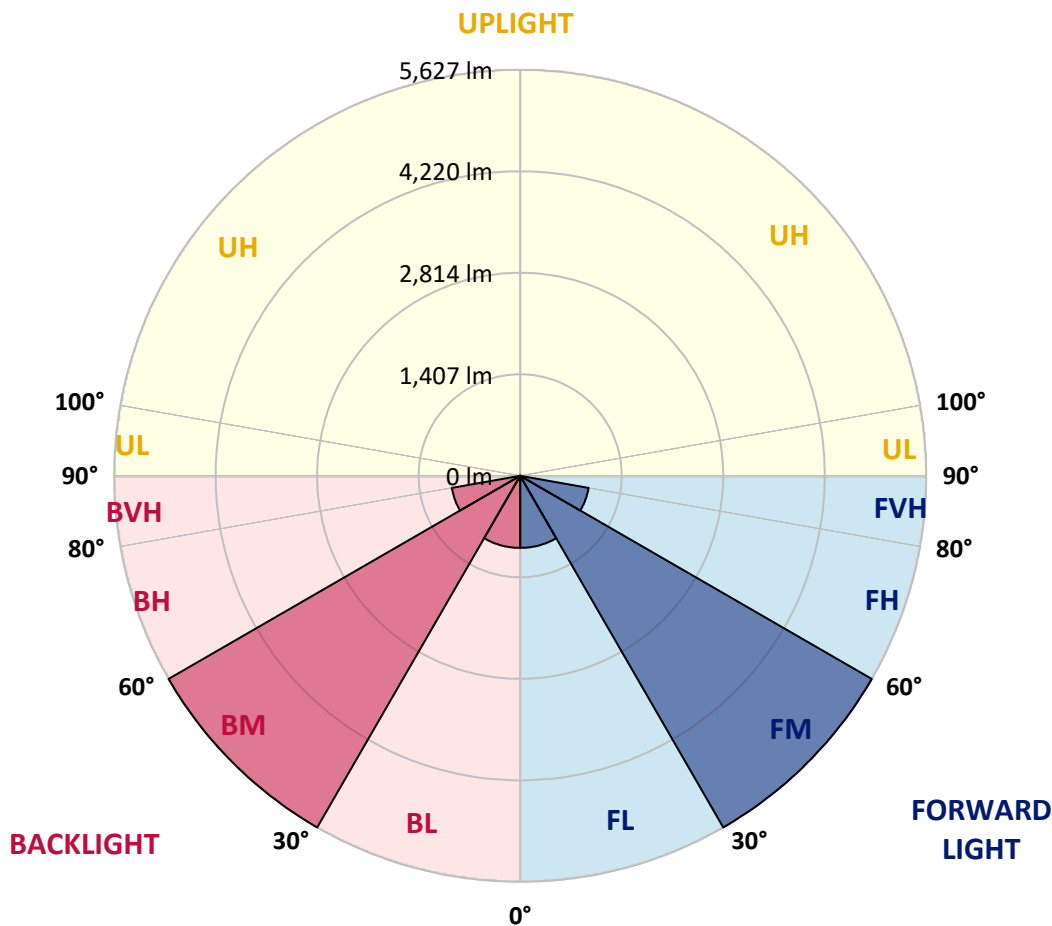
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	999.2	6.6			
FM (30°-60°)	5627.1	37.0			
FH (60°-80°)	963.0	6.3			G1/1800
FVH (80°-90°)	9.2	0.1			G0/10
BL (0°-30°)	999.2	6.6	B2/1000		
BM (30°-60°)	5627.1	37.0	B4/8500		
BH (60°-80°)	963.0	6.3	B2/1000		G1/1800
BVH (80°-90°)	9.2	0.1			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°	2357.2	2357.2	2357.2	2357.2	2357.2	2357.2	2357.2	2357.2	2357.2	2357.2	2357.2
2.5°	2350.9	2363.6	2347.7	2341.4	2338.2	2338.2	2328.7	2328.7	2325.5	2328.7	2316.0
5°	2312.9	2325.5	2325.5	2322.4	2303.4	2300.2	2290.7	2284.3	2287.5	2274.8	2284.3
7.5°	2274.8	2284.3	2271.7	2268.5	2262.2	2249.5	2246.3	2217.8	2221.0	2221.0	2227.3
10°	2268.5	2265.3	2246.3	2230.5	2211.5	2208.3	2198.8	2192.5	2192.5	2189.3	2198.8
12.5°	2268.5	2252.7	2249.5	2214.6	2183.0	2195.6	2170.3	2154.4	2176.6	2183.0	2195.6
15°	2265.3	2281.2	2227.3	2211.5	2189.3	2192.5	2170.3	2154.4	2167.1	2173.5	2183.0
17.5°	2284.3	2274.8	2259.0	2227.3	2217.8	2205.1	2176.6	2163.9	2163.9	2179.8	2183.0
20°	2335.0	2309.7	2278.0	2262.2	2271.7	2255.8	2221.0	2173.5	2186.1	2198.8	2208.3
22.5°	2382.6	2363.6	2341.4	2331.9	2385.7	2360.4	2300.2	2246.3	2227.3	2249.5	2265.3
25°	2474.4	2474.4	2433.3	2445.9	2506.1	2509.3	2439.6	2344.5	2331.9	2341.4	2347.7
27.5°	2661.4	2670.9	2636.0	2648.7	2674.0	2696.2	2636.0	2556.8	2528.3	2525.1	2534.6
30°	2864.1	2883.2	2880.0	2933.8	3006.7	3019.4	2930.7	2800.8	2715.2	2699.4	2712.1
32.5°	3130.3	3139.8	3133.4	3196.8	3393.2	3485.1	3253.8	3070.1	2956.0	2984.5	2956.0
35°	3630.9	3621.4	3551.7	3564.3	3725.9	3792.5	3570.7	3453.4	3399.6	3456.6	3443.9
37.5°	4061.8	4026.9	3969.9	4052.3	4220.2	4280.4	4049.1	3843.1	3744.9	3840.0	3881.2
40°	4426.1	4337.4	4258.2	4340.6	4565.5	4647.9	4308.9	4141.0	4102.9	4172.6	4261.4
42.5°	4733.4	4676.4	4571.9	4578.2	4727.1	4765.1	4492.6	4394.4	4356.4	4467.3	4511.7
45°	4952.1	4898.2	4800.0	4793.6	4907.7	4882.3	4638.4	4571.9	4594.0	4666.9	4689.1
47.5°	5062.9	5091.5	5034.4	5050.3	5110.5	5050.3	4857.0	4857.0	4806.3	4850.7	4828.5
50°	5382.9	5294.2	5367.1	5367.1	5430.5	5436.8	5243.5	5173.8	5037.6	4961.6	4961.6
52.5°	5756.8	5763.1	5791.6	5896.2	6003.9	6095.8	5820.2	5522.3	5294.2	5196.0	5183.3
55°	6064.1	6127.5	6241.5	6438.0	6748.5	6875.2	6400.0	5867.7	5588.9	5436.8	5405.1
56°	6232.0	6171.8	6368.3	6637.6	7043.1	7207.9	6495.0	5937.4	5630.1	5459.0	5455.8
57.5°	6070.5	6137.0	6273.2	6697.8	7195.2	7410.6	6529.9	5905.7	5465.3	5291.1	5306.9
60°	4793.6	4857.0	5040.8	5516.0	6295.4	6463.3	5525.5	4869.7	4476.8	4226.5	4229.7
62.5°	2712.1	2759.6	2902.2	3342.6	3827.3	3988.9	3443.9	3006.7	2734.2	2594.8	2550.5
65°	998.0	979.0	1001.2	1226.1	1524.0	1660.2	1432.1	1210.3	1067.7	1017.0	998.0
67.5°	373.9	345.3	323.2	345.3	434.1	459.4	421.4	351.7	329.5	339.0	345.3
70°	231.3	218.6	174.3	164.8	161.6	158.4	167.9	177.4	202.8	237.6	244.0
72.5°	161.6	152.1	123.6	117.2	110.9	107.7	123.6	136.2	158.4	183.8	186.9
75°	63.4	66.5	63.4	69.7	72.9	76.0	88.7	98.2	107.7	107.7	104.6
77.5°	12.7	12.7	19.0	25.3	31.7	41.2	60.2	69.7	72.9	69.7	60.2
80°	0.0	0.0	6.3	12.7	25.3	34.9	53.9	60.2	66.5	60.2	47.5
82.5°	0.0	0.0	6.3	15.8	25.3	31.7	50.7	63.4	72.9	66.5	50.7
85°	0.0	0.0	6.3	12.7	19.0	22.2	22.2	15.8	15.8	9.5	6.3
87.5°	0.0	0.0	0.0	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)