

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: P648526

Luminaire Tested: **GALN-SA7B-835-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648526
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA7B-835-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32478.8 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

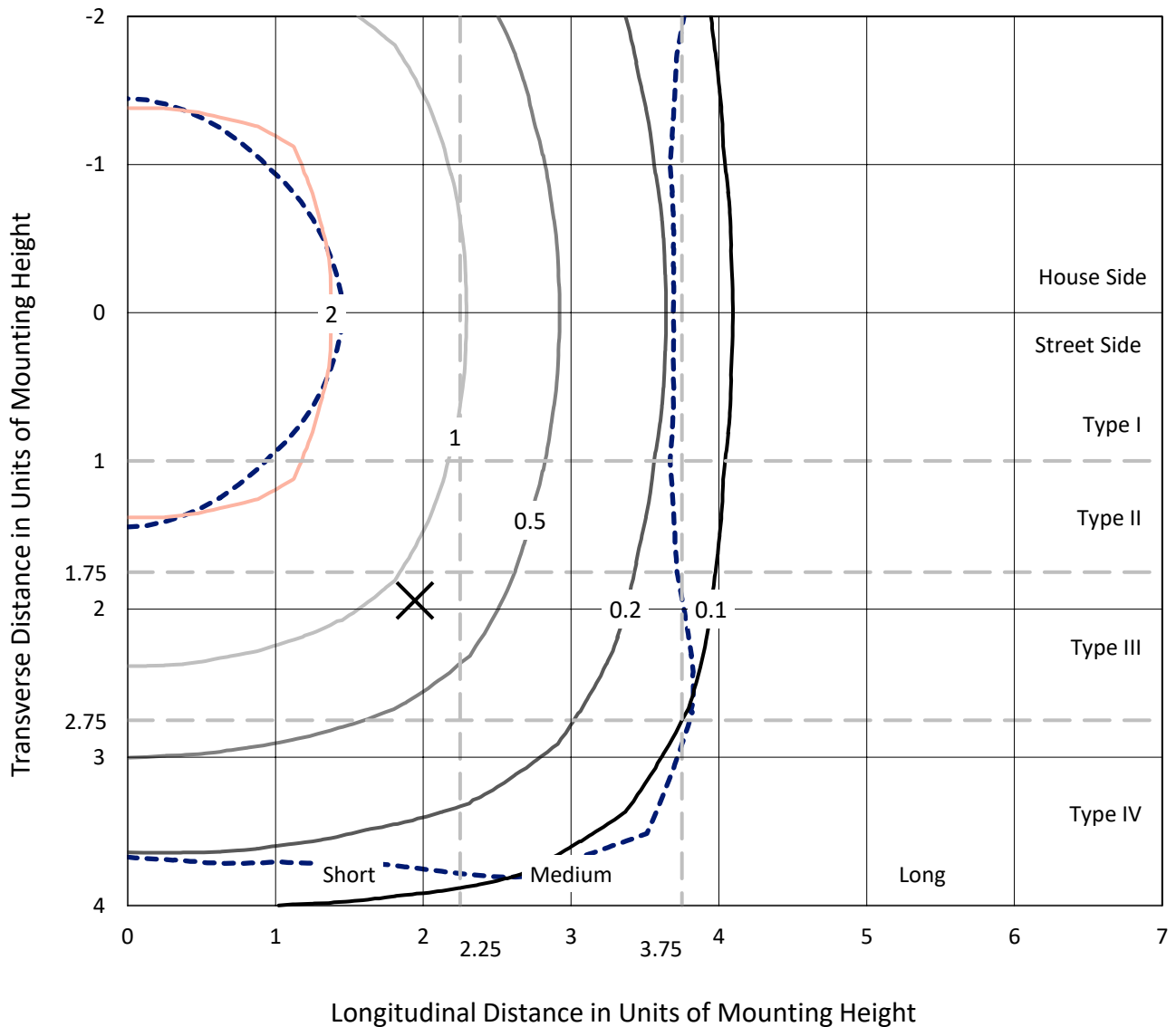
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

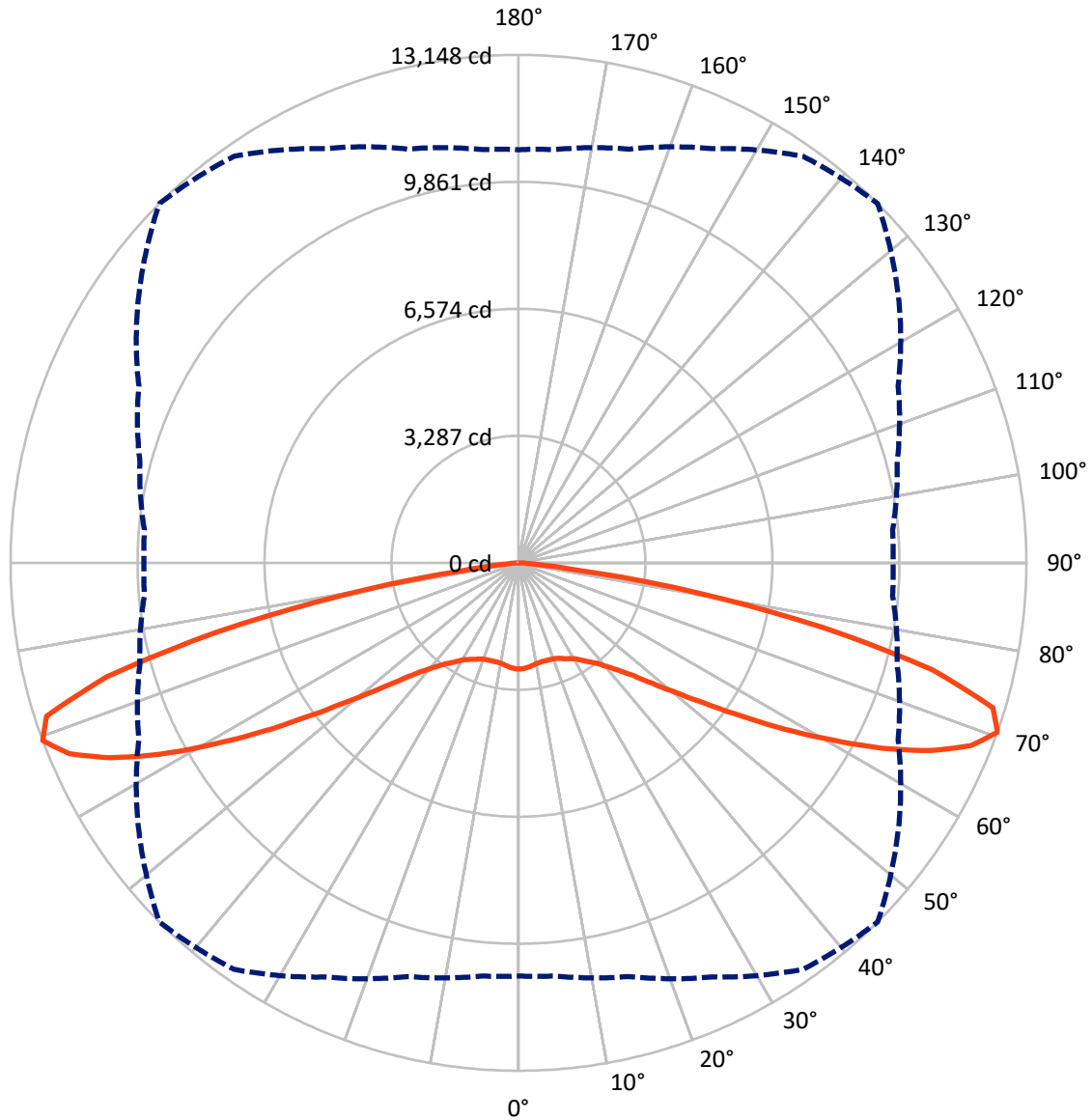
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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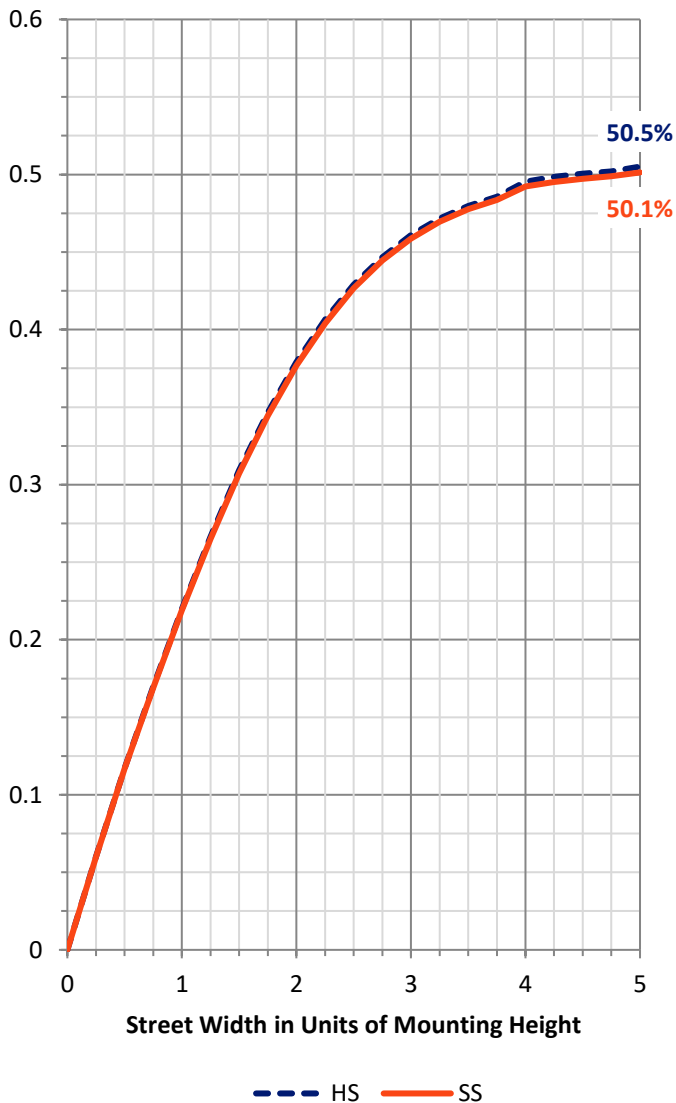
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16239.4	0.0	16239.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16239.4	0.0	16239.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	32478.8	0.0	32478.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.2	0.8
10°-20°	752.8	2.3
20°-30°	1282.6	3.9
30°-40°	1988.1	6.1
40°-50°	3346.2	10.3
50°-60°	6088.3	18.7
60°-70°	10307.3	31.7
70°-80°	7978.3	24.6
80°-90°	478.1	1.5
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°	32478.8	100.0
0°-180°	32478.8	100.0

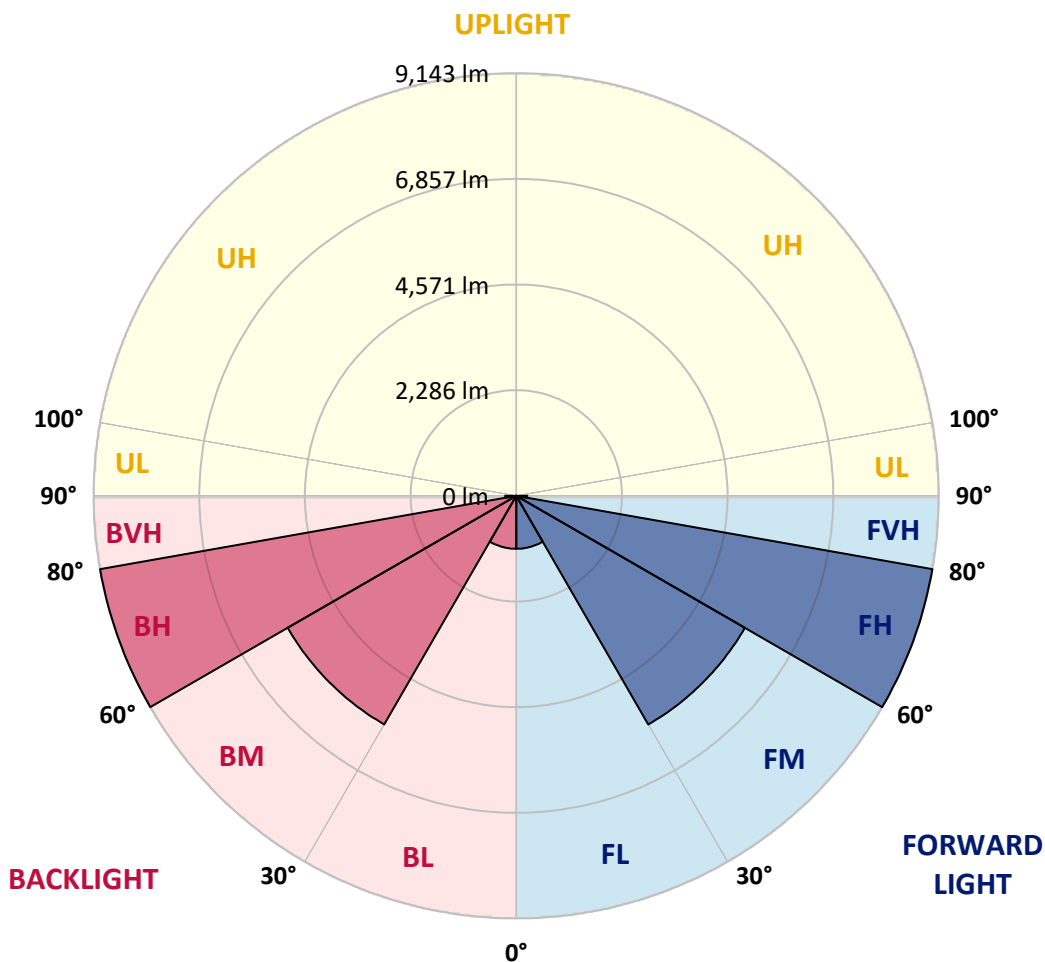


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1146.3	3.5			
FM (30°-60°)	5711.3	17.6			
FH (60°-80°)	9142.8	28.1			G4/12000
FVH (80°-90°)	239.0	0.7			G3/500
BL (0°-30°)	1146.3	3.5	B3/2500		
BM (30°-60°)	5711.3	17.6	B4/8500		
BH (60°-80°)	9142.8	28.1	B5		G4/12000
BVH (80°-90°)	239.0	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2749.7	2749.7	2749.7	2749.7	2749.7	2749.7	2749.7	2749.7	2749.7	2749.7	2749.7
2.5°	2742.8	2744.6	2744.6	2741.1	2739.4	2739.4	2737.8	2737.8	2742.8	2744.6	2746.3
5°	2718.9	2718.9	2718.9	2717.2	2713.7	2713.7	2710.3	2710.3	2712.0	2717.2	2713.7
7.5°	2686.2	2689.7	2689.7	2682.9	2677.7	2677.7	2676.0	2677.7	2679.4	2684.5	2682.9
10°	2676.0	2677.7	2669.1	2657.1	2648.5	2643.4	2645.1	2648.5	2657.1	2660.6	2662.3
12.5°	2682.9	2682.9	2667.4	2650.2	2634.8	2627.9	2626.3	2638.2	2653.7	2664.0	2667.4
15°	2691.4	2688.0	2669.1	2646.8	2631.3	2629.6	2627.9	2636.5	2658.8	2679.4	2681.1
17.5°	2696.6	2694.9	2670.8	2643.4	2634.8	2634.8	2633.1	2640.0	2664.0	2689.7	2691.4
20°	2713.7	2708.6	2681.1	2651.9	2645.1	2648.5	2643.4	2651.9	2677.7	2708.6	2715.4
22.5°	2748.0	2742.8	2715.4	2686.2	2682.9	2682.9	2681.1	2689.7	2717.2	2749.7	2754.9
25°	2789.2	2784.0	2758.3	2737.8	2741.1	2748.0	2744.6	2746.3	2768.6	2796.0	2804.6
27.5°	2844.1	2835.5	2813.2	2796.0	2806.4	2806.4	2806.4	2804.6	2818.3	2844.1	2852.6
30°	2911.0	2907.5	2883.6	2881.8	2890.4	2881.8	2881.8	2883.6	2885.3	2909.2	2917.8
32.5°	2998.5	2991.6	2979.6	2976.2	3000.1	3007.0	2983.0	2960.8	2972.7	2996.8	3001.9
35°	3142.6	3132.2	3115.1	3096.2	3115.1	3147.7	3096.2	3079.1	3109.9	3142.6	3146.0
37.5°	3338.1	3332.9	3305.5	3271.2	3269.5	3303.8	3250.6	3248.9	3307.2	3346.7	3351.8
40°	3583.4	3588.6	3554.3	3521.6	3504.5	3532.0	3490.8	3506.2	3562.8	3607.4	3604.0
42.5°	3928.2	3909.3	3856.1	3825.3	3806.4	3796.1	3785.8	3809.8	3873.3	3921.3	3959.1
45°	4331.3	4324.4	4257.6	4219.8	4178.6	4163.2	4159.8	4202.7	4279.8	4338.1	4343.3
47.5°	4787.6	4772.2	4729.2	4689.8	4674.4	4655.5	4638.3	4670.9	4748.1	4789.3	4801.3
50°	5257.6	5261.1	5261.1	5254.2	5269.6	5273.0	5226.7	5238.7	5281.6	5278.2	5274.8
52.5°	5794.5	5813.4	5902.6	5911.2	5984.9	6034.7	5950.6	5900.8	5885.4	5792.8	5799.7
55°	6425.8	6442.9	6576.7	6710.5	6909.5	6993.5	6816.9	6662.5	6552.7	6412.1	6418.9
57.5°	7213.2	7221.7	7348.6	7605.9	7921.5	8118.8	7808.3	7503.0	7280.0	7146.2	7093.0
60°	8060.5	8069.0	8254.3	8568.3	9058.8	9299.0	8914.8	8415.6	8134.3	7930.1	7943.8
62.5°	9077.7	9112.0	9278.4	9710.7	10305.9	10575.2	10065.8	9398.5	9017.7	8763.8	8774.1
65°	10166.9	10225.3	10407.1	10882.3	11431.2	11721.1	11096.7	10326.5	9853.0	9542.6	9575.2
67.5°	10873.7	10925.2	11187.6	11712.5	12396.9	12637.1	11830.9	10933.7	10341.9	9971.4	9902.8
70°	10693.6	10736.5	11086.4	11830.9	12844.6	13148.3	12005.8	10844.6	10148.1	9720.9	9693.5
72.5°	9439.7	9350.4	9861.7	10930.3	12333.5	12842.9	11455.2	9904.6	9028.0	8588.8	8537.4
75°	6255.9	6449.8	7204.5	8463.6	10434.6	11065.8	9777.6	7952.5	6849.4	6484.1	6427.5
77.5°	2091.0	2240.2	2911.0	4797.9	7113.6	8062.2	7123.9	5201.0	3679.5	2964.1	2977.9
80°	554.1	547.2	708.5	1319.1	3073.9	4669.3	3578.2	1761.7	964.0	698.1	662.1
82.5°	199.0	223.0	286.5	365.3	814.8	1451.2	1024.1	494.0	362.0	267.6	259.0
85°	87.5	85.7	123.5	145.8	204.1	271.0	240.1	209.3	183.5	121.8	113.2
87.5°	18.9	18.9	29.1	22.3	36.0	36.0	44.6	53.2	54.9	36.0	29.1
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)