

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: P652431

Luminaire Tested: **GALN-SA6B-840-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652431
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-SA6B-840-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 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: 29699.9 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

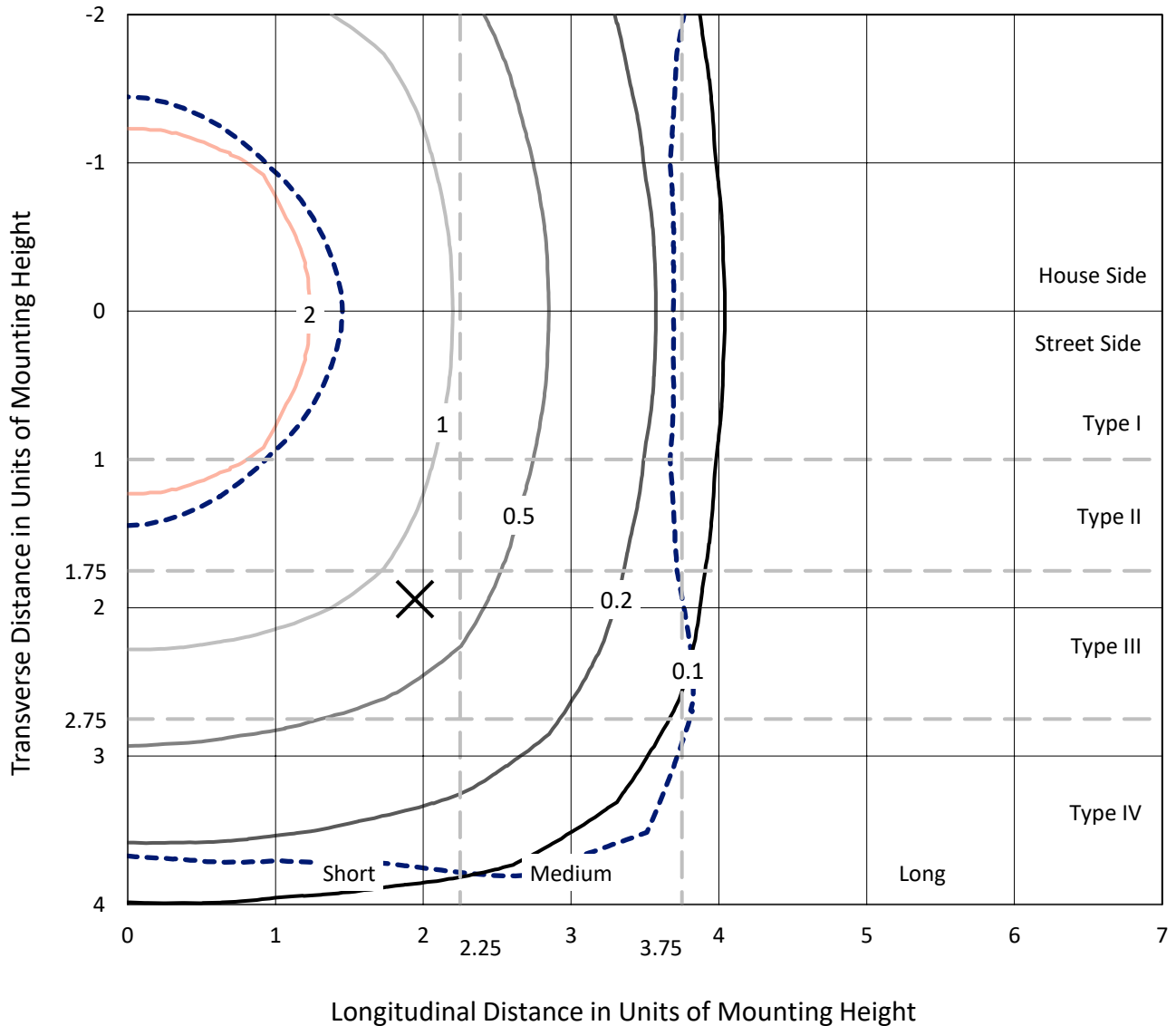
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

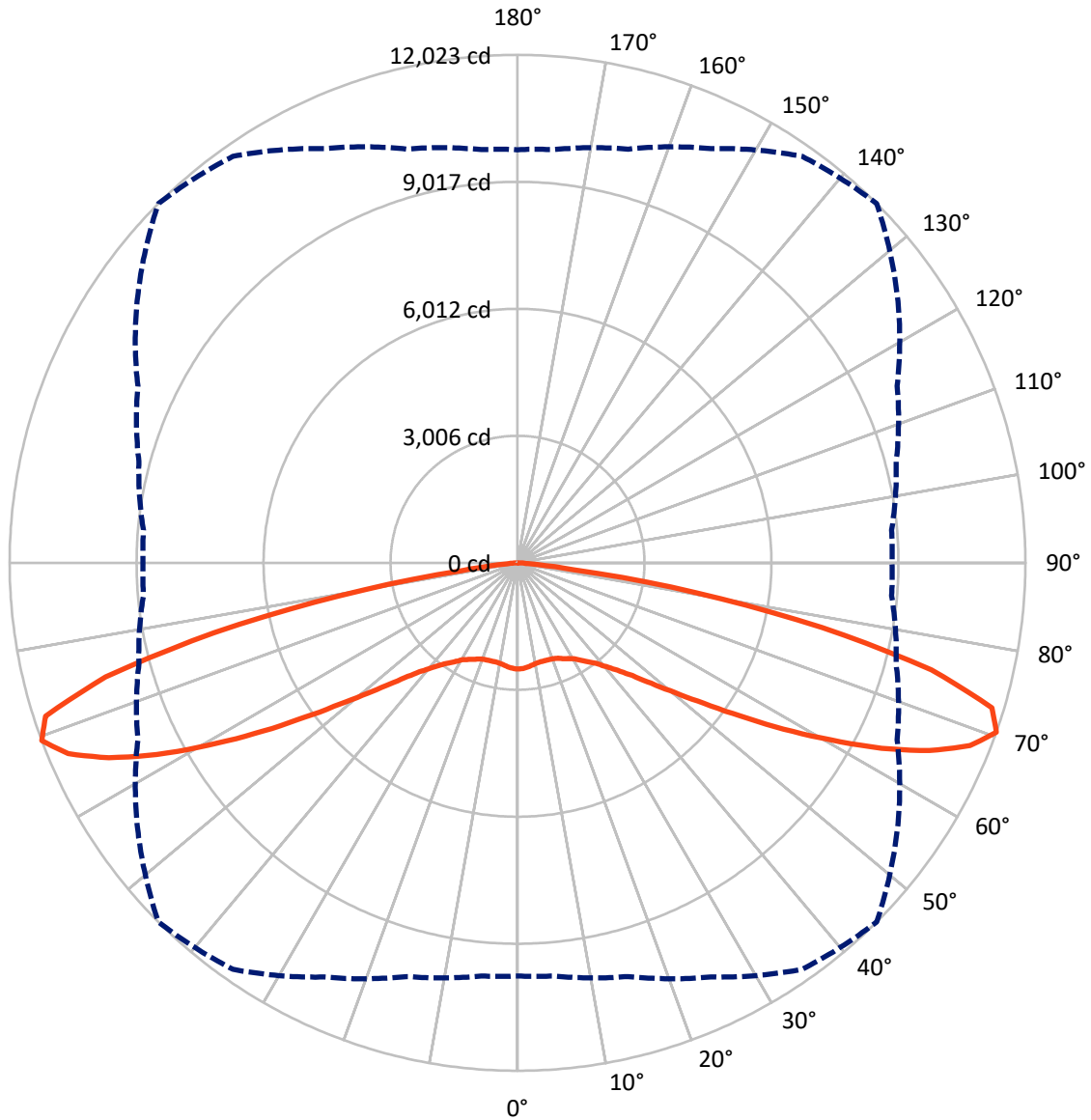
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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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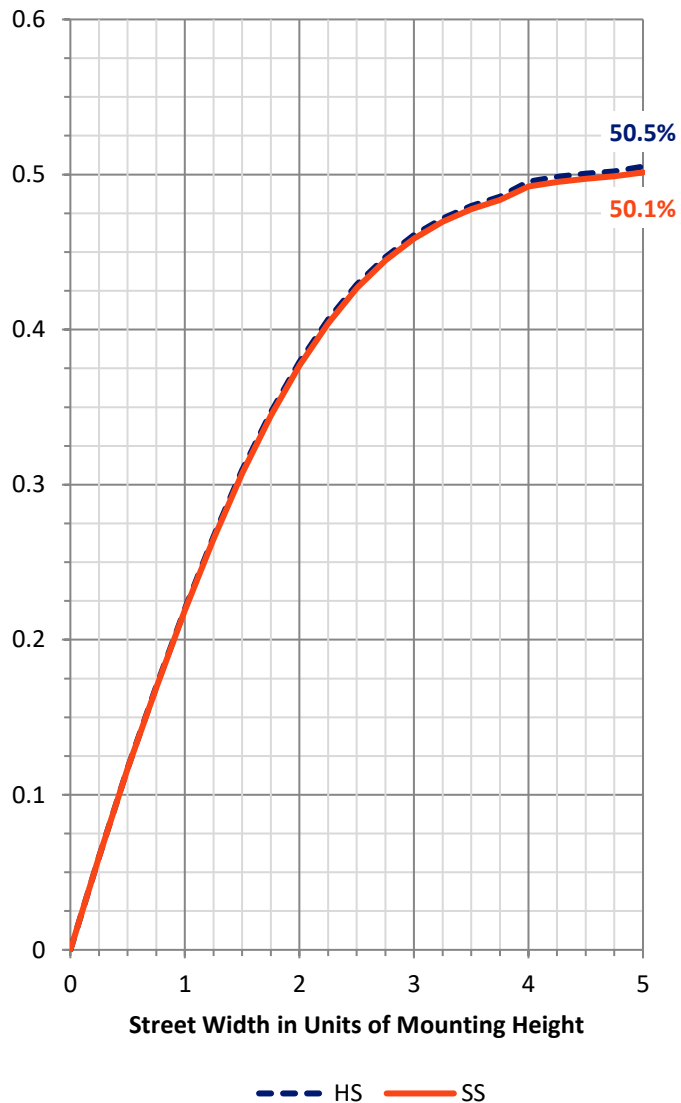
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14850.0	0.0	14850.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14850.0	0.0	14850.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29699.9	0.0	29699.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.1	0.8
10°-20°	688.4	2.3
20°-30°	1172.9	3.9
30°-40°	1818.0	6.1
40°-50°	3059.9	10.3
50°-60°	5567.4	18.7
60°-70°	9425.4	31.7
70°-80°	7295.6	24.6
80°-90°	437.2	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°	29699.9	100.0
0°-180°	29699.9	100.0

Coefficient of Utilization



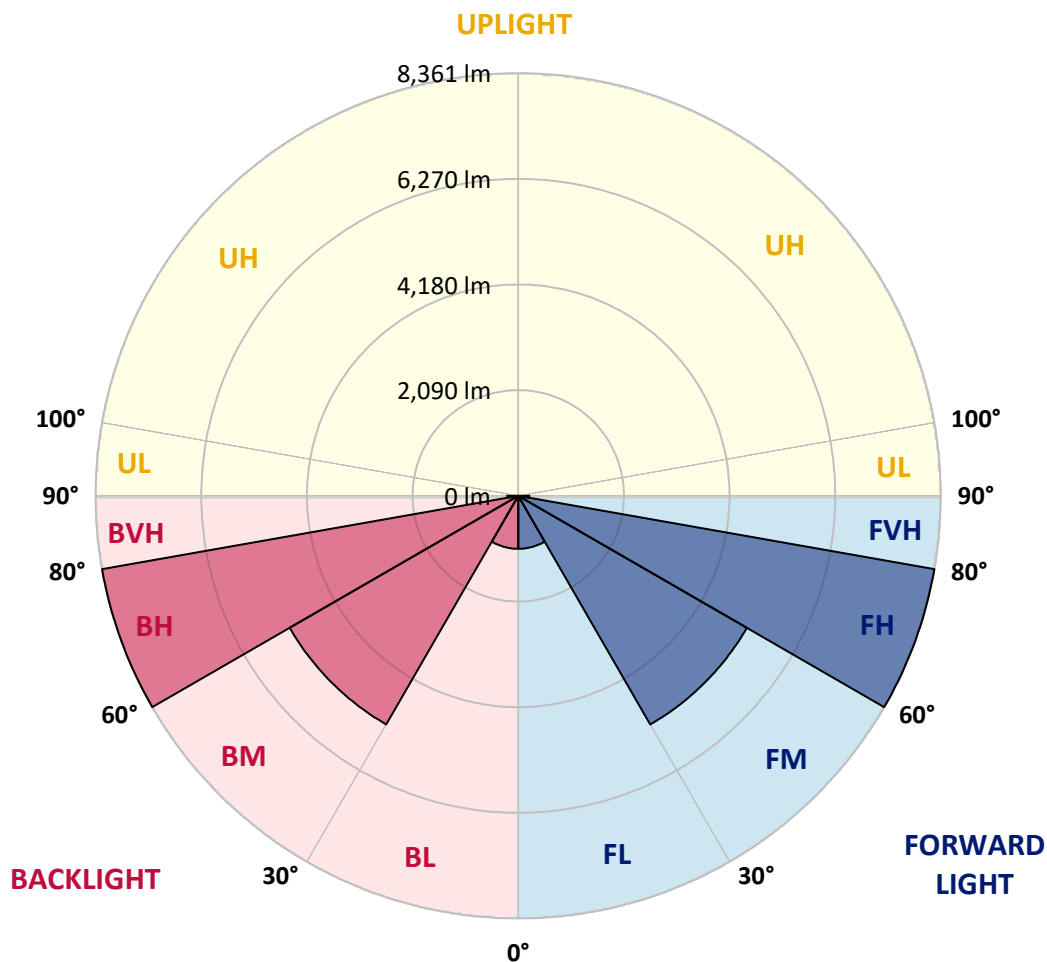
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1048.2	3.5			
FM (30°-60°)	5222.6	17.6			
FH (60°-80°)	8360.5	28.1			G4/12000
FVH (80°-90°)	218.6	0.7			G2/225
BL (0°-30°)	1048.2	3.5	B3/2500		
BM (30°-60°)	5222.6	17.6	B4/8500		
BH (60°-80°)	8360.5	28.1	B5		G4/12000
BVH (80°-90°)	218.6	0.7			G2/225
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°	2514.4	2514.4	2514.4	2514.4	2514.4	2514.4	2514.4	2514.4	2514.4	2514.4	2514.4
2.5°	2508.2	2509.8	2509.8	2506.6	2505.1	2505.1	2503.5	2503.5	2508.2	2509.8	2511.3
5°	2486.2	2486.2	2486.2	2484.7	2481.5	2481.5	2478.3	2478.3	2479.9	2484.7	2481.5
7.5°	2456.4	2459.6	2459.6	2453.3	2448.6	2448.6	2447.0	2448.6	2450.2	2454.9	2453.3
10°	2447.0	2448.6	2440.8	2429.7	2421.9	2417.2	2418.8	2421.9	2429.7	2432.9	2434.4
12.5°	2453.3	2453.3	2439.2	2423.5	2409.4	2403.1	2401.6	2412.5	2426.6	2436.0	2439.2
15°	2461.1	2458.0	2440.8	2420.3	2406.3	2404.7	2403.1	2410.9	2431.3	2450.2	2451.7
17.5°	2465.8	2464.3	2442.3	2417.2	2409.4	2409.4	2407.8	2414.1	2436.0	2459.6	2461.1
20°	2481.5	2476.8	2451.7	2425.0	2418.8	2421.9	2417.2	2425.0	2448.6	2476.8	2483.1
22.5°	2512.9	2508.2	2483.1	2456.4	2453.3	2453.3	2451.7	2459.6	2484.7	2514.4	2519.1
25°	2550.5	2545.9	2522.3	2503.5	2506.6	2512.9	2509.8	2511.3	2531.7	2556.8	2564.6
27.5°	2600.7	2592.9	2572.5	2556.8	2566.2	2566.2	2566.2	2564.6	2577.2	2600.7	2608.6
30°	2661.9	2658.7	2636.8	2635.3	2643.1	2635.3	2635.3	2636.8	2638.4	2660.3	2668.2
32.5°	2741.9	2735.6	2724.7	2721.5	2743.5	2749.7	2727.8	2707.4	2718.4	2740.3	2745.0
35°	2873.7	2864.3	2848.6	2831.3	2848.6	2878.4	2831.3	2815.7	2843.8	2873.7	2876.8
37.5°	3052.5	3047.8	3022.7	2991.4	2989.8	3021.1	2972.5	2970.9	3024.2	3060.3	3065.0
40°	3276.8	3281.5	3250.1	3220.4	3204.6	3229.8	3192.1	3206.2	3257.9	3298.7	3295.6
42.5°	3592.1	3574.8	3526.2	3498.0	3480.7	3471.3	3461.9	3483.8	3541.9	3585.8	3620.3
45°	3960.7	3954.5	3893.2	3858.8	3821.1	3807.0	3803.8	3843.0	3913.7	3967.0	3971.7
47.5°	4378.0	4363.9	4324.6	4288.5	4274.5	4257.1	4241.5	4271.3	4341.9	4379.5	4390.5
50°	4807.7	4810.9	4810.9	4804.6	4818.8	4821.9	4779.5	4790.5	4829.7	4826.6	4823.5
52.5°	5298.7	5316.0	5397.5	5405.4	5472.8	5518.3	5441.4	5395.9	5381.9	5297.1	5303.4
55°	5876.0	5891.6	6014.0	6136.4	6318.3	6395.1	6233.6	6092.5	5992.0	5863.5	5869.7
57.5°	6596.0	6603.8	6719.8	6955.2	7243.8	7424.2	7140.3	6861.0	6657.1	6534.7	6486.1
60°	7370.9	7378.7	7548.1	7835.2	8283.8	8503.4	8152.0	7695.6	7438.3	7251.6	7264.1
62.5°	8301.0	8332.4	8484.5	8879.9	9424.2	9670.4	9204.5	8594.3	8246.1	8014.0	8023.4
65°	9297.1	9350.4	9516.7	9951.2	10453.1	10718.2	10147.3	9442.9	9010.1	8726.1	8755.9
67.5°	9943.3	9990.4	10230.4	10710.4	11336.3	11555.8	10818.6	9998.2	9457.0	9118.3	9055.6
70°	9778.6	9817.8	10137.8	10818.6	11745.7	12023.3	10978.6	9916.7	9279.8	8889.2	8864.1
72.5°	8632.0	8550.4	9017.9	9995.1	11278.2	11744.1	10475.1	9057.1	8255.5	7853.9	7806.9
75°	5720.7	5897.9	6588.1	7739.5	9541.8	10119.0	8941.0	7272.0	6263.4	5929.3	5877.5
77.5°	1912.1	2048.6	2661.9	4387.3	6505.0	7372.4	6514.4	4756.0	3364.7	2710.5	2723.1
80°	506.6	500.4	647.8	1206.2	2811.0	4269.8	3272.1	1610.9	881.5	638.4	605.5
82.5°	182.0	203.9	262.0	334.1	745.0	1327.0	936.5	451.8	330.9	244.7	236.8
85°	80.0	78.5	112.9	133.3	186.7	247.8	219.6	191.3	167.9	111.3	103.5
87.5°	17.2	17.2	26.7	20.4	33.0	33.0	40.8	48.6	50.2	33.0	26.7
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)