

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: P652423

Luminaire Tested: **GALN-SA6B-840-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652423  
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-SA6B-840-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 4000K, 800mA 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: 17030.3 lumens  
Efficiency: N/A  
Efficacy: 70.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

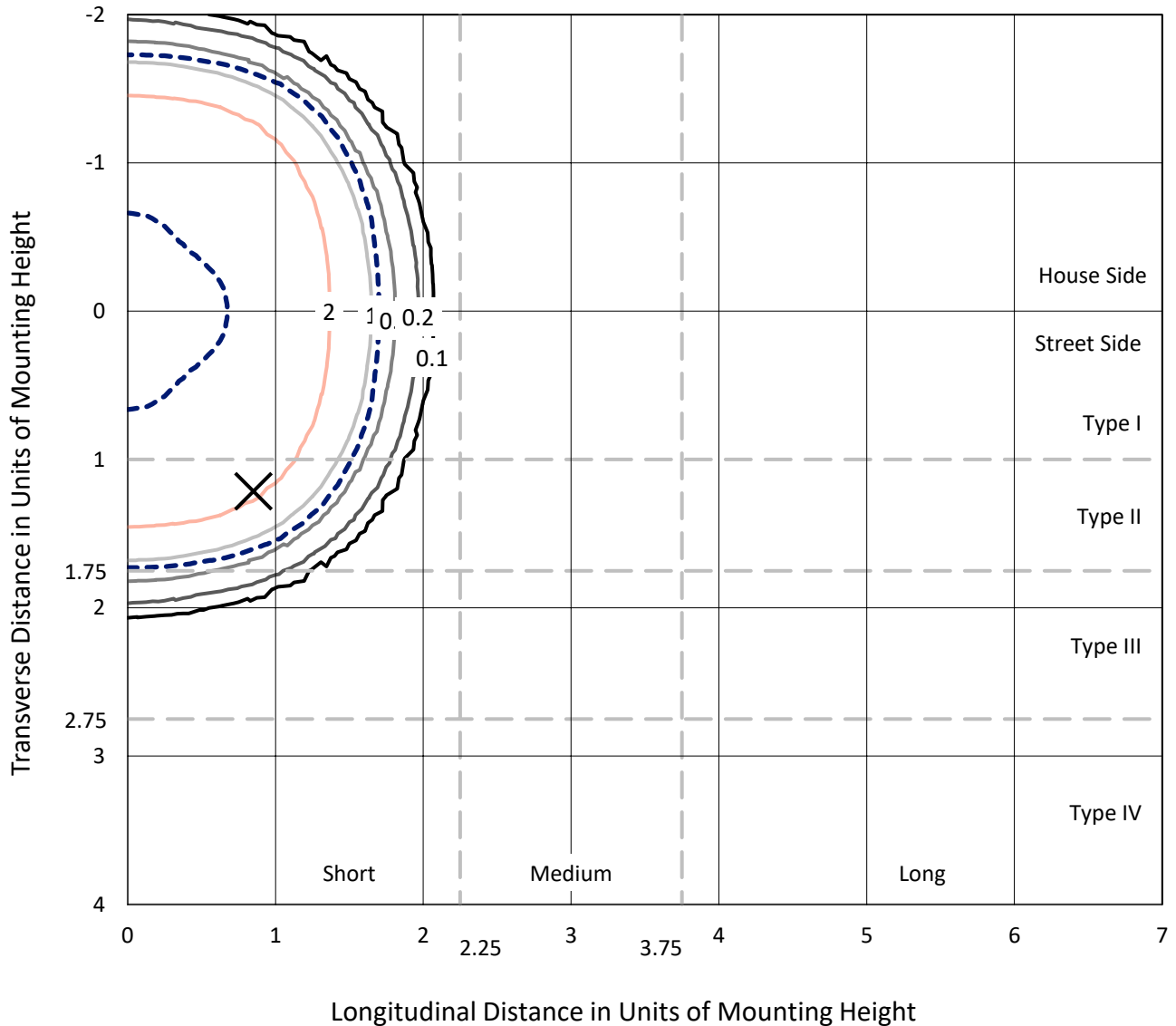
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

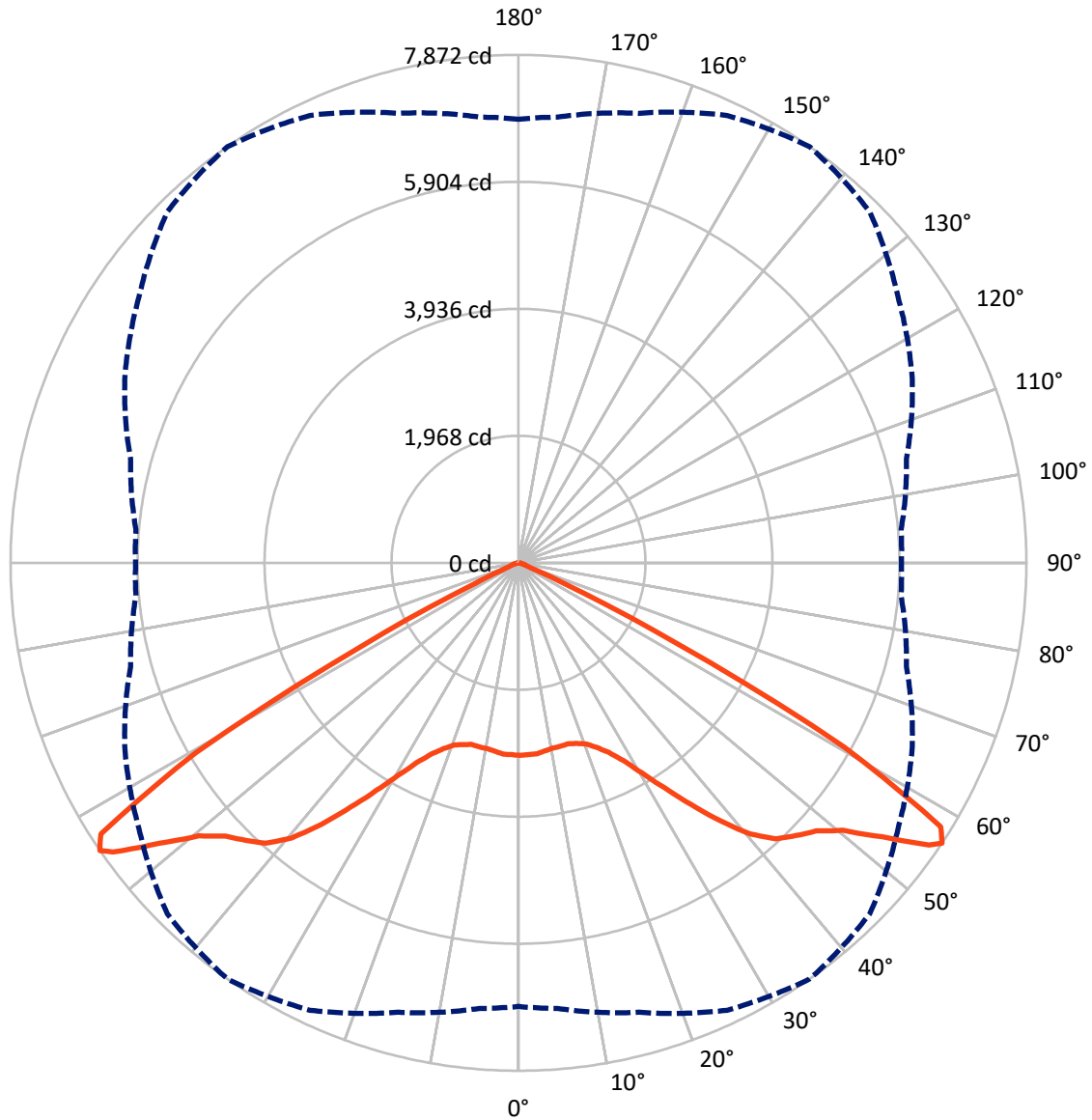
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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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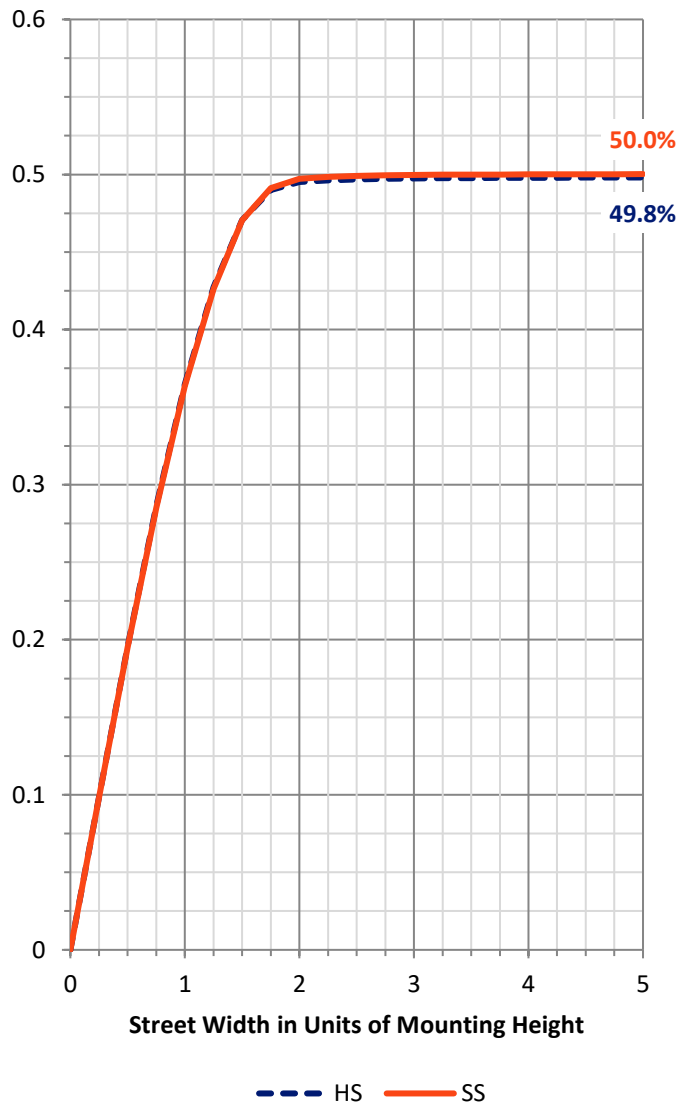
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8515.1	0.0	8515.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8515.1	0.0	8515.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17030.3	0.0	17030.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	280.5	1.6
10°-20°	818.8	4.8
20°-30°	1482.7	8.7
30°-40°	2749.5	16.1
40°-50°	4513.1	26.5
50°-60°	5814.2	34.1
60°-70°	1281.4	7.5
70°-80°	74.3	0.4
80°-90°	15.6	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°	17030.3	100.0
0°-180°	17030.3	100.0

**Coefficient of Utilization**



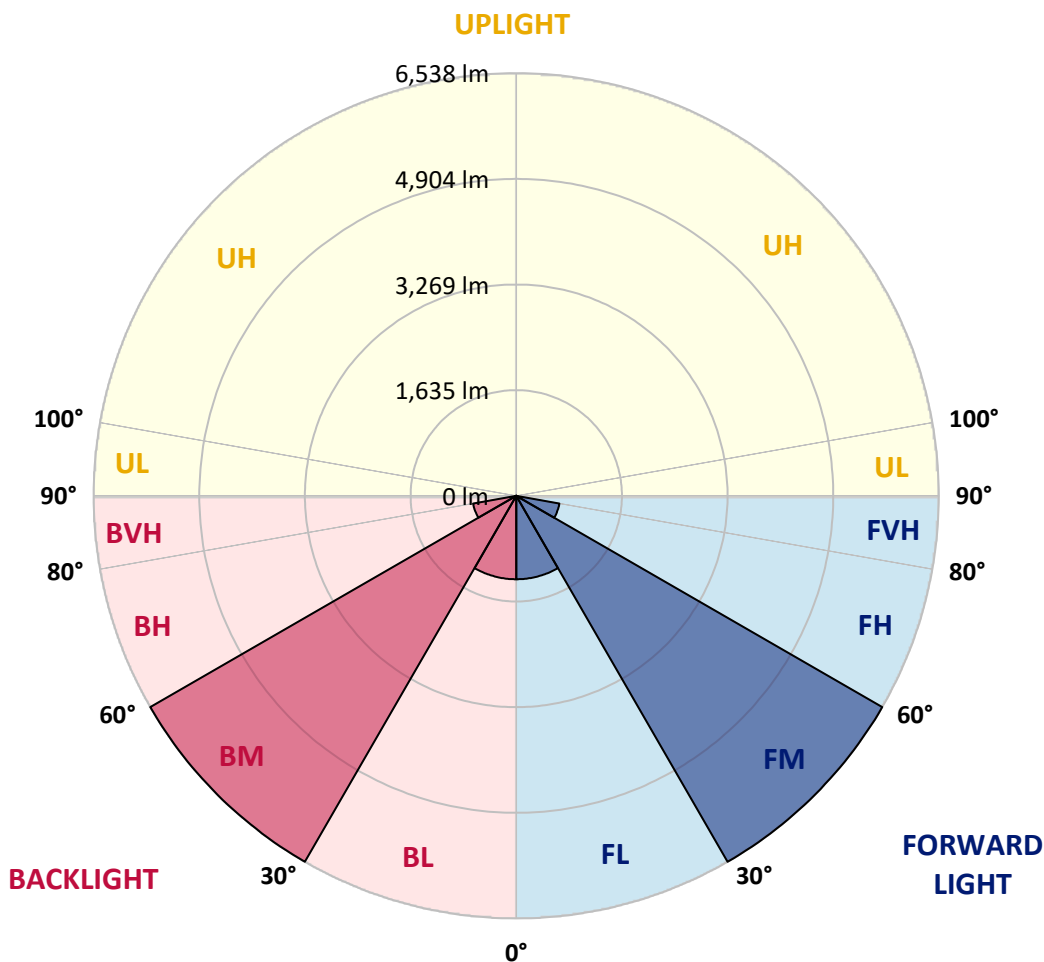
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1291.0	7.6			
FM (30°-60°)	6538.4	38.4			
FH (60°-80°)	677.9	4.0			G1/1800
FVH (80°-90°)	7.8	0.0			G0/10
BL (0°-30°)	1291.0	7.6	B3/2500		
BM (30°-60°)	6538.4	38.4	B4/8500		
BH (60°-80°)	677.9	4.0	B2/1000		G1/1800
BVH (80°-90°)	7.8	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°	2984.0	2984.0	2984.0	2984.0	2984.0	2984.0	2984.0	2984.0	2984.0	2984.0	2984.0
2.5°	2990.3	2990.3	2993.3	2996.4	2974.8	2965.5	2968.6	2962.5	2959.4	2968.6	2968.6
5°	2981.0	2981.0	2971.8	2974.8	2974.8	2947.0	2947.0	2953.2	2953.2	2934.7	2928.5
7.5°	2956.3	2950.1	2937.8	2953.2	2943.9	2943.9	2922.3	2906.9	2900.8	2913.1	2900.8
10°	2903.8	2906.9	2919.3	2925.4	2919.3	2937.8	2900.8	2879.2	2857.5	2848.3	2848.3
12.5°	2879.2	2897.7	2879.2	2894.6	2916.2	2900.8	2879.2	2863.7	2832.8	2820.5	2820.5
15°	2876.1	2888.4	2894.6	2916.2	2906.9	2913.1	2869.9	2851.4	2805.1	2783.5	2774.2
17.5°	2872.9	2888.4	2897.7	2937.8	2943.9	2947.0	2913.1	2857.5	2817.4	2795.8	2774.2
20°	2906.9	2913.1	2931.6	2971.8	2996.4	3039.6	2977.9	2919.3	2832.8	2808.2	2798.9
22.5°	2950.1	2981.0	2999.5	3042.7	3107.5	3144.5	3064.3	2990.3	2900.8	2869.9	2832.8
25°	3089.0	3082.9	3113.6	3203.2	3255.6	3283.4	3218.6	3110.6	2993.3	2956.3	2962.5
27.5°	3261.8	3268.0	3295.7	3394.5	3471.6	3514.9	3437.7	3295.7	3181.6	3119.9	3113.6
30°	3487.0	3480.9	3511.8	3644.5	3783.3	3848.1	3712.3	3545.7	3434.6	3354.4	3372.9
32.5°	3724.7	3727.7	3814.2	3934.5	4159.8	4286.3	4067.2	3863.6	3696.9	3641.4	3613.6
35°	4076.5	4091.9	4159.8	4344.9	4594.9	4758.5	4517.8	4274.0	4082.6	3980.8	3993.2
37.5°	4511.6	4496.2	4610.4	4810.9	5073.2	5193.6	4989.9	4712.2	4517.8	4449.9	4493.0
40°	4974.4	4989.9	5048.5	5230.6	5523.8	5604.0	5301.6	5150.4	4980.7	4946.7	4999.2
42.5°	5437.3	5428.1	5471.3	5634.9	5847.8	5792.2	5613.3	5523.8	5403.4	5335.6	5406.5
45°	5776.8	5761.4	5841.6	5952.7	6029.9	5924.9	5844.7	5813.8	5752.1	5678.1	5742.9
47.5°	6107.0	6094.6	6171.8	6202.6	6208.9	6070.0	6085.4	6141.0	5986.7	5832.3	5906.4
50°	6387.8	6366.2	6461.9	6529.8	6514.3	6292.1	6347.7	6292.1	6051.4	5869.4	5841.6
52.5°	6856.8	6866.1	6967.9	7091.4	7054.4	6869.2	6789.0	6535.9	6227.4	6063.8	5968.2
55°	7153.1	7106.9	7282.7	7674.6	7717.9	7526.5	7171.6	6798.2	6335.3	6134.8	6110.1
56°	6875.4	6934.0	7211.7	7650.0	7872.1	7696.2	7180.9	6733.5	6224.2	5952.7	5934.2
57.5°	6168.7	6137.9	6514.3	7113.0	7717.9	7643.8	6927.8	6270.6	5678.1	5372.6	5335.6
60°	3838.8	3928.3	4258.6	4999.2	5807.7	5844.7	5135.0	4570.2	3878.9	3607.4	3672.2
62.5°	1502.9	1425.7	1632.5	2184.8	2740.3	2863.7	2595.2	2157.1	1771.3	1502.9	1484.3
65°	348.7	339.4	382.7	527.7	737.6	854.8	811.6	583.2	428.9	407.4	376.5
67.5°	197.5	197.5	188.2	188.2	206.7	219.1	209.8	206.7	216.1	225.3	222.2
70°	138.8	135.8	129.6	132.7	126.5	126.5	135.8	151.2	163.6	163.6	166.6
72.5°	83.3	83.3	83.3	92.6	92.6	92.6	101.8	114.2	117.2	114.2	111.1
75°	37.0	37.0	43.2	52.5	58.6	61.7	71.0	77.1	83.3	77.1	71.0
77.5°	9.3	9.3	15.4	21.6	27.8	34.0	46.3	55.5	58.6	55.5	46.3
80°	3.1	3.1	6.1	15.4	27.8	34.0	46.3	49.4	52.5	46.3	37.0
82.5°	3.1	3.1	6.1	15.4	21.6	27.8	37.0	43.2	46.3	40.1	37.0
85°	0.0	3.1	6.1	12.4	18.5	24.7	24.7	18.5	15.4	9.3	12.4
87.5°	0.0	0.0	3.1	3.1	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)