

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: P652484

Luminaire Tested: **GALN-SA7B-840-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652484  
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-840-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 4000K, 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: 17386 lumens  
Efficiency: N/A  
Efficacy: 60.8 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

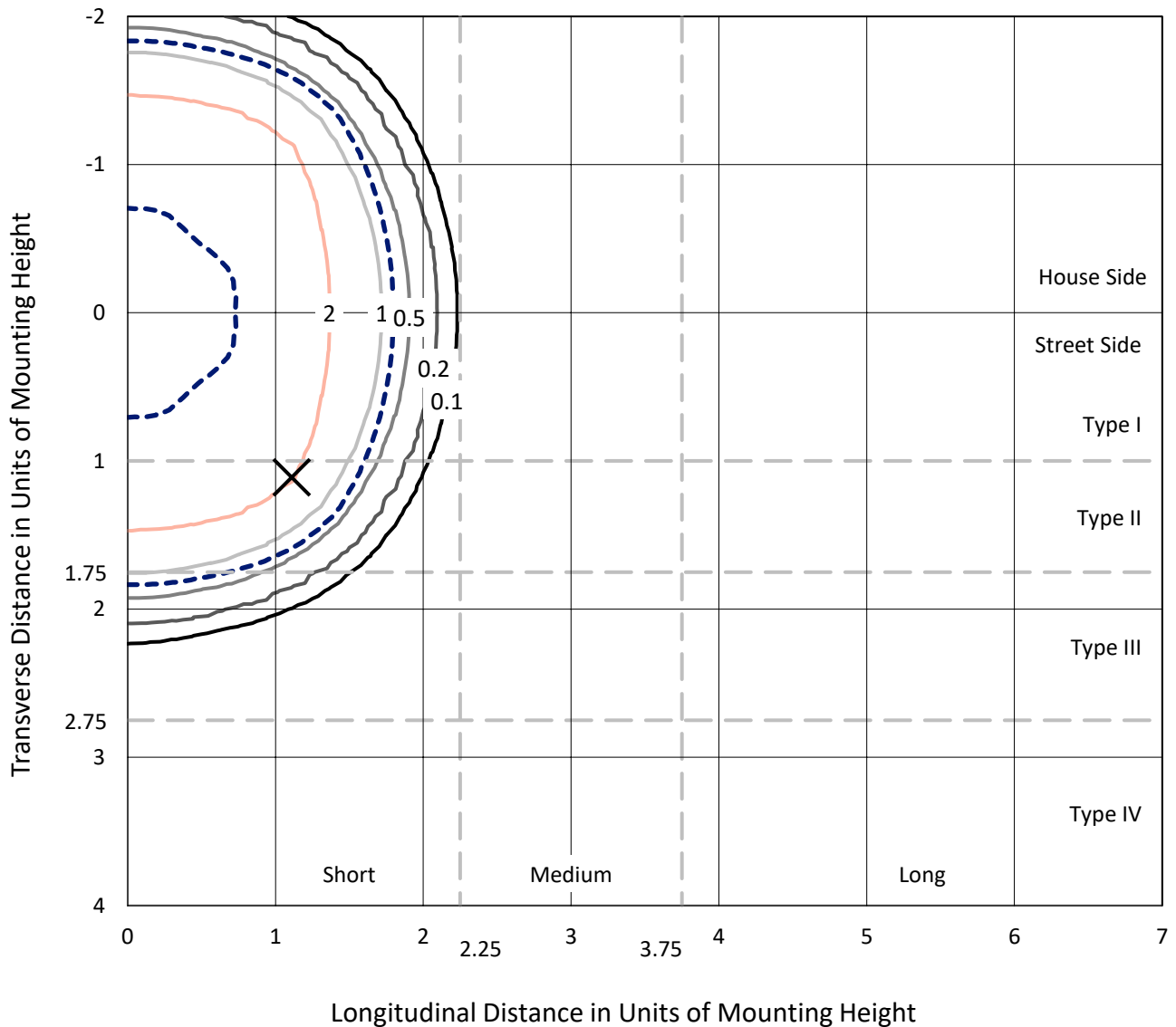
Input Watts (W): 286  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P652484  
 CATALOG NUMBER: GALN-SA7B-840-U-5WQ-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

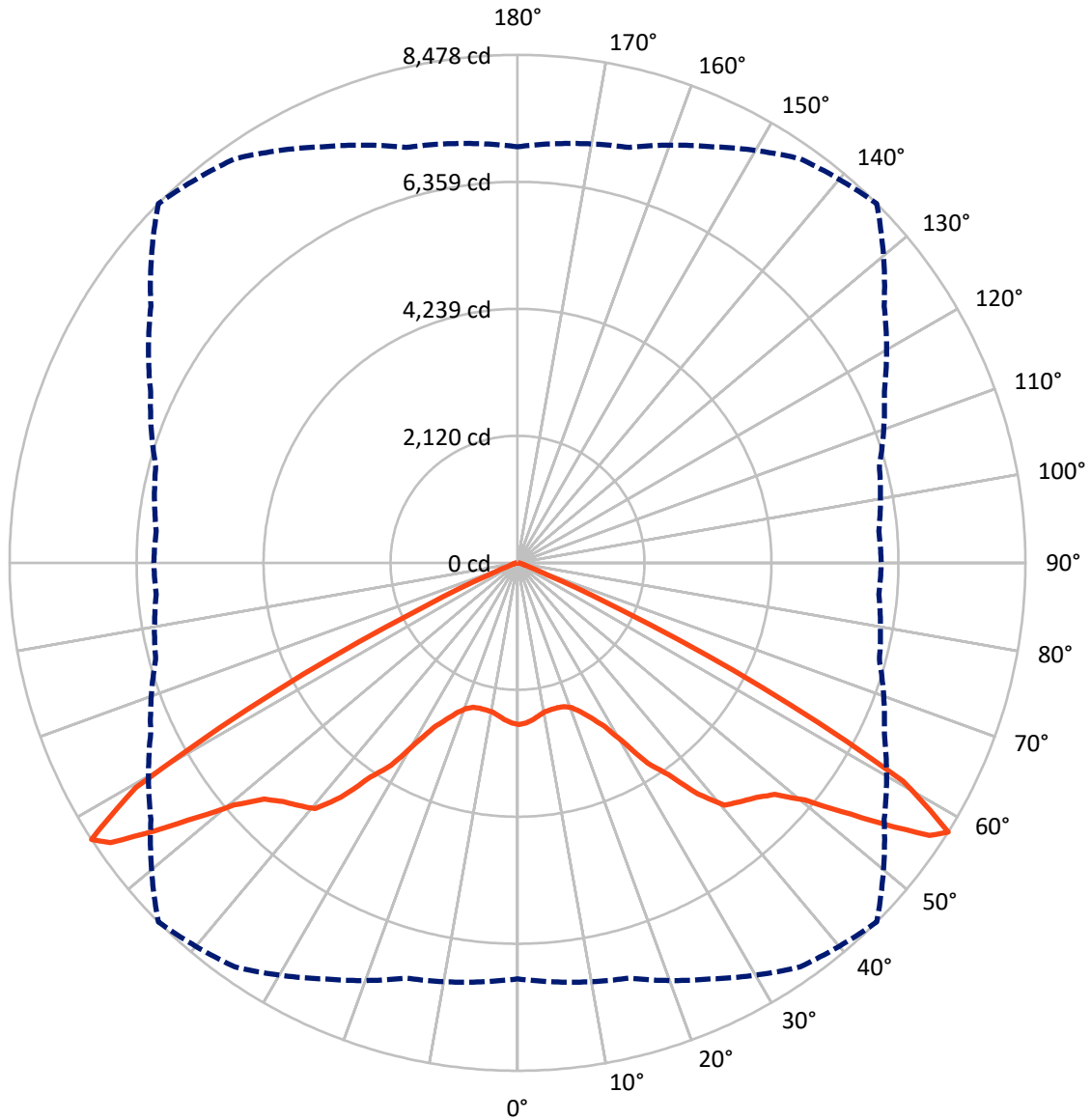
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P652484  
CATALOG NUMBER: GALN-SA7B-840-U-5WQ-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P652484  
 CATALOG NUMBER: GALN-SA7B-840-U-5WQ-GRSBK

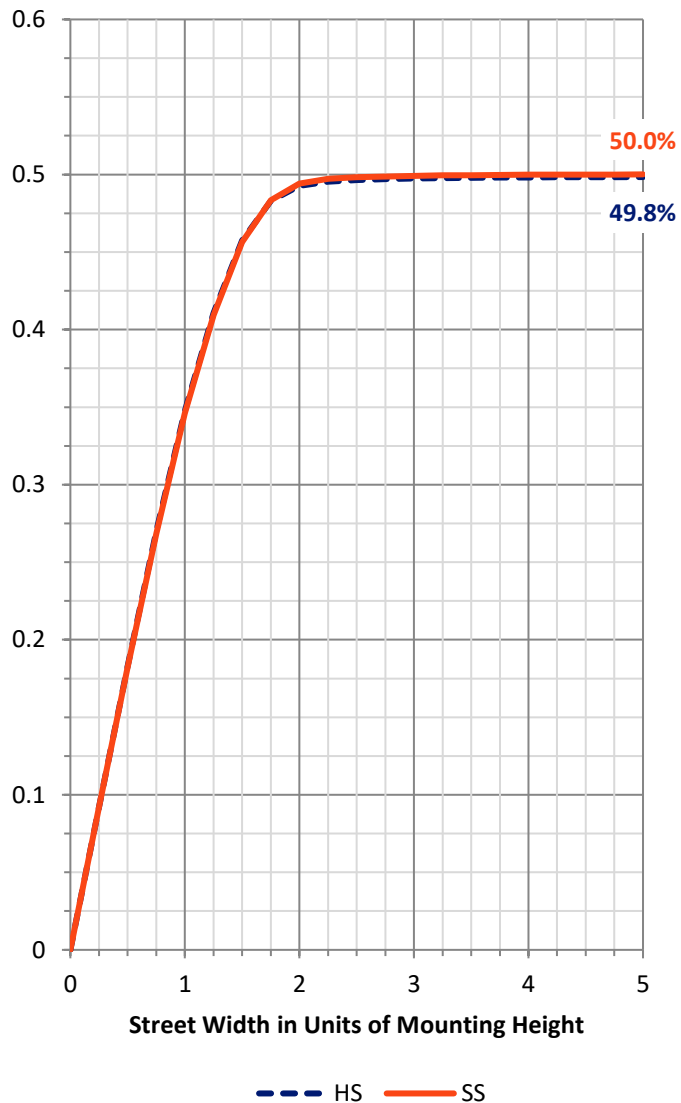
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8693.0	0.0	8693.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8693.0	0.0	8693.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17386.0	0.0	17386.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	247.8	1.4
10°-20°	716.3	4.1
20°-30°	1322.2	7.6
30°-40°	2600.3	15.0
40°-50°	4235.1	24.4
50°-60°	6039.8	34.7
60°-70°	2091.1	12.0
70°-80°	112.2	0.6
80°-90°	21.1	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°	17386.0	100.0
0°-180°	17386.0	100.0

**Coefficient of Utilization**

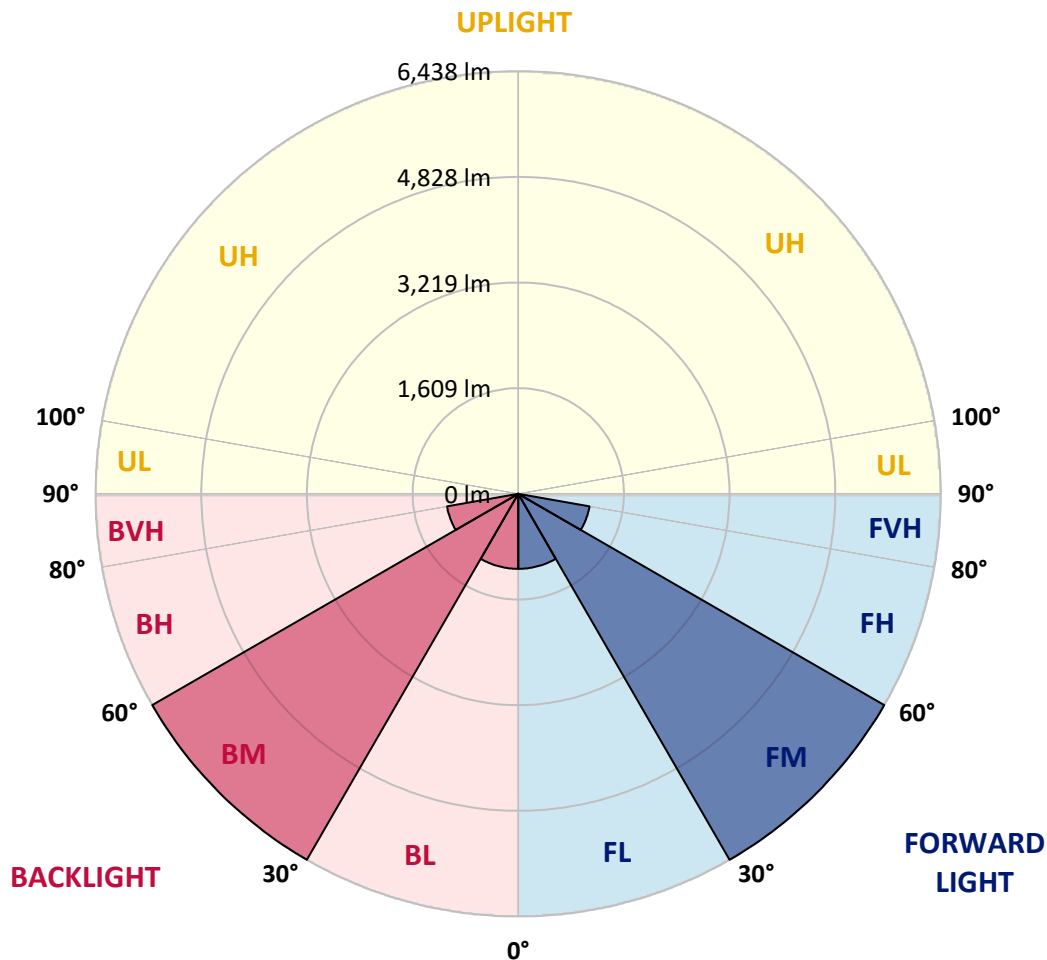


REPORT NUMBER: P652484  
 CATALOG NUMBER: GALN-SA7B-840-U-5WQ-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1143.2	6.6			
FM (30°-60°)	6437.6	37.0			
FH (60°-80°)	1101.7	6.3			G1/1800
FVH (80°-90°)	10.5	0.1			G1/100
BL (0°-30°)	1143.2	6.6	B3/2500		
BM (30°-60°)	6437.6	37.0	B4/8500		
BH (60°-80°)	1101.7	6.3	B3/2500		G1/1800
BVH (80°-90°)	10.5	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





REPORT NUMBER: P652484

CATALOG NUMBER: GALN-SA7B-840-U-5WQ-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2696.8	2696.8	2696.8	2696.8	2696.8	2696.8	2696.8	2696.8	2696.8	2696.8	2696.8
2.5°	2689.5	2704.0	2685.9	2678.6	2675.0	2675.0	2664.1	2664.1	2660.5	2664.1	2649.7
5°	2646.0	2660.5	2660.5	2656.9	2635.1	2631.5	2620.6	2613.4	2617.0	2602.5	2613.4
7.5°	2602.5	2613.4	2598.9	2595.2	2588.0	2573.5	2569.9	2537.3	2540.9	2540.9	2548.1
10°	2595.2	2591.6	2569.9	2551.8	2530.0	2526.4	2515.5	2508.3	2508.3	2504.7	2515.5
12.5°	2595.2	2577.2	2573.5	2533.7	2497.4	2511.9	2482.9	2464.8	2490.1	2497.4	2511.9
15°	2591.6	2609.8	2548.1	2530.0	2504.7	2508.3	2482.9	2464.8	2479.3	2486.5	2497.4
17.5°	2613.4	2602.5	2584.4	2548.1	2537.3	2522.7	2490.1	2475.7	2475.7	2493.7	2497.4
20°	2671.4	2642.3	2606.2	2588.0	2598.9	2580.8	2540.9	2486.5	2501.0	2515.5	2526.4
22.5°	2725.8	2704.0	2678.6	2667.7	2729.4	2700.4	2631.5	2569.9	2548.1	2573.5	2591.6
25°	2830.9	2830.9	2783.7	2798.3	2867.1	2870.8	2791.0	2682.3	2667.7	2678.6	2685.9
27.5°	3044.8	3055.6	3015.7	3030.2	3059.2	3084.6	3015.7	2925.1	2892.5	2888.8	2899.8
30°	3276.7	3298.4	3294.8	3356.4	3439.8	3454.3	3352.8	3204.2	3106.3	3088.2	3102.7
32.5°	3581.1	3592.1	3584.8	3657.3	3882.1	3987.1	3722.5	3512.3	3381.8	3414.5	3381.8
35°	4153.9	4143.0	4063.2	4077.8	4262.6	4338.7	4085.0	3950.8	3889.3	3954.5	3940.0
37.5°	4646.8	4606.9	4541.7	4635.9	4828.0	4896.9	4632.3	4396.7	4284.4	4393.1	4440.2
40°	5063.7	4962.2	4871.6	4965.8	5223.1	5317.4	4929.5	4737.4	4694.0	4773.7	4875.2
42.5°	5415.3	5350.0	5230.4	5237.7	5408.0	5451.5	5139.8	5027.4	4983.9	5110.8	5161.6
45°	5665.3	5603.8	5491.4	5484.1	5614.6	5585.6	5306.5	5230.4	5255.7	5339.1	5364.5
47.5°	5792.2	5824.9	5759.6	5777.8	5846.5	5777.8	5556.6	5556.6	5498.6	5549.3	5524.0
50°	6158.3	6056.8	6140.1	6140.1	6212.6	6220.0	5998.9	5919.0	5763.2	5676.2	5676.2
52.5°	6586.0	6593.3	6625.9	6745.5	6868.7	6973.8	6658.5	6317.8	6056.8	5944.4	5930.0
55°	6937.6	7010.1	7140.6	7365.3	7720.5	7865.5	7321.8	6712.9	6393.9	6220.0	6183.7
56°	7129.7	7060.9	7285.6	7593.6	8057.6	8246.1	7430.6	6792.6	6441.1	6245.3	6241.6
57.5°	6944.9	7021.0	7176.8	7662.5	8231.6	8478.1	7470.4	6756.3	6252.6	6053.2	6071.3
60°	5484.1	5556.6	5766.8	6310.5	7202.2	7394.3	6321.4	5571.1	5121.7	4835.3	4838.9
62.5°	3102.7	3157.1	3320.2	3824.0	4378.6	4563.4	3940.0	3439.8	3128.1	2968.6	2917.8
65°	1141.7	1120.0	1145.4	1402.7	1743.5	1899.3	1638.4	1384.6	1221.6	1163.5	1141.7
67.5°	427.7	395.1	369.7	395.1	496.6	525.5	482.1	402.3	376.9	387.9	395.1
70°	264.6	250.1	199.3	188.5	184.9	181.2	192.1	203.0	231.9	271.8	279.1
72.5°	184.9	174.0	141.4	134.1	126.8	123.2	141.4	155.8	181.2	210.2	213.9
75°	72.5	76.1	72.5	79.7	83.3	87.0	101.5	112.4	123.2	123.2	119.6
77.5°	14.5	14.5	21.8	29.0	36.2	47.1	68.9	79.7	83.3	79.7	68.9
80°	0.0	0.0	7.2	14.5	29.0	39.9	61.6	68.9	76.1	68.9	54.3
82.5°	0.0	0.0	7.2	18.1	29.0	36.2	58.0	72.5	83.3	76.1	58.0
85°	0.0	0.0	7.2	14.5	21.8	25.4	25.4	18.1	18.1	10.8	7.2
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)