

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: P531891

Luminaire Tested: **GALN-SA7B-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531891  
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-727-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 2700K, 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: 17289 lumens  
Efficiency: N/A  
Efficacy: 60.5 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

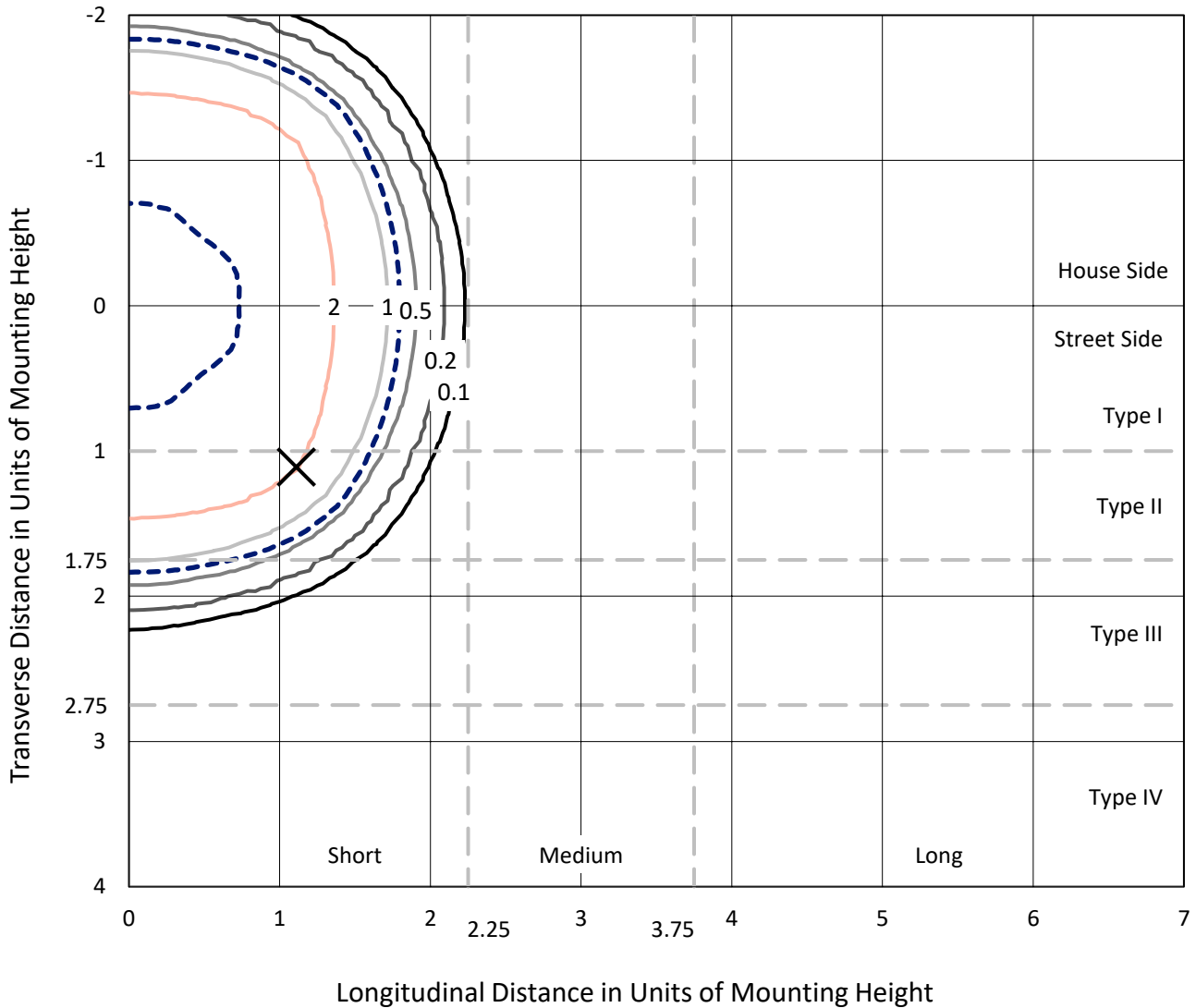
Input Watts (W): 286  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

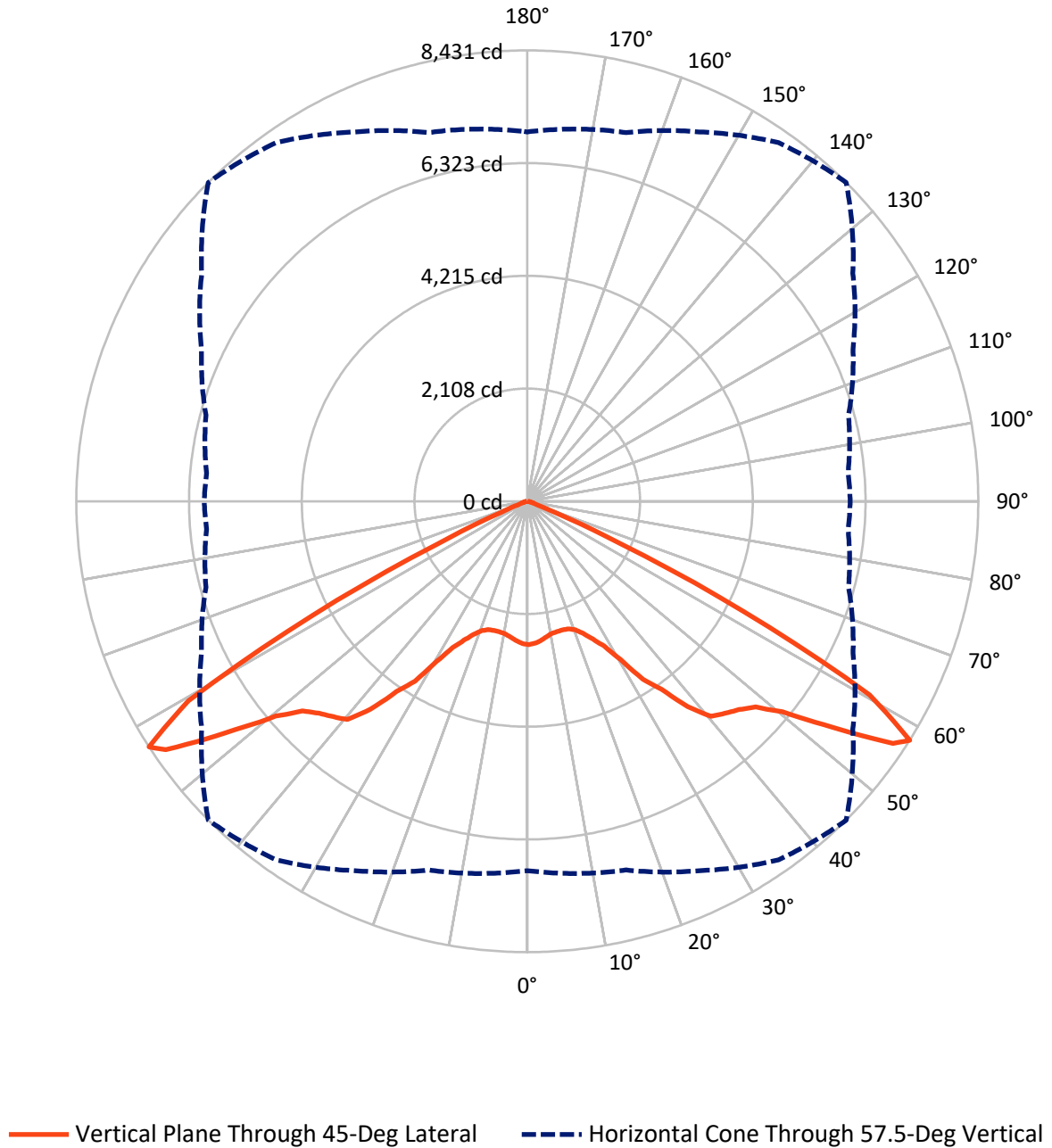
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8644.5	0.0	8644.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8644.5	0.0	8644.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17289.0	0.0	17289.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.4	1.4
10°-20°	712.3	4.1
20°-30°	1314.8	7.6
30°-40°	2585.8	15.0
40°-50°	4211.5	24.4
50°-60°	6006.2	34.7
60°-70°	2079.5	12.0
70°-80°	111.6	0.6
80°-90°	20.9	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°	17289.0	100.0
0°-180°	17289.0	100.0

**Coefficient of Utilization**

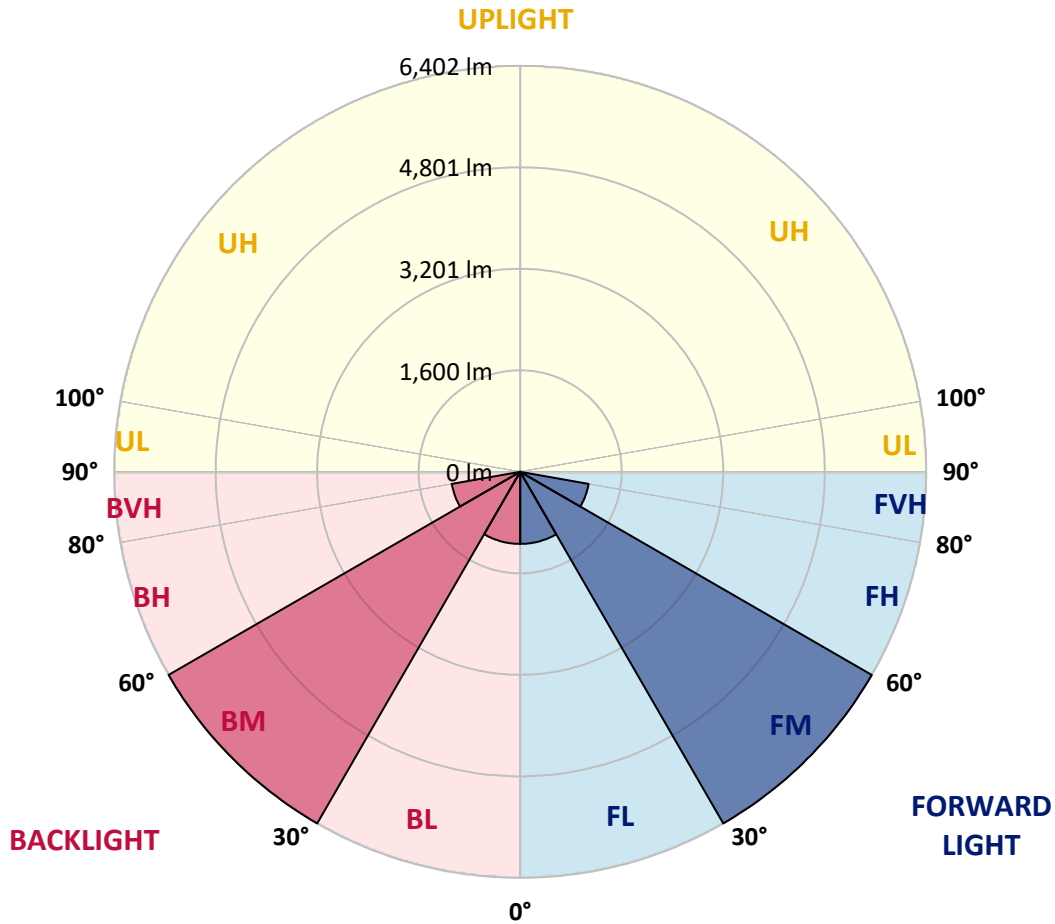


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1136.8	6.6			
FM (30°-60°)	6401.7	37.0			
FH (60°-80°)	1095.5	6.3			G1/1800
FVH (80°-90°)	10.5	0.1			G1/100
BL (0°-30°)	1136.8	6.6	B3/2500		
BM (30°-60°)	6401.7	37.0	B4/8500		
BH (60°-80°)	1095.5	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2681.7	2681.7	2681.7	2681.7	2681.7	2681.7	2681.7	2681.7	2681.7	2681.7	2681.7
2.5°	2674.5	2688.9	2670.9	2663.7	2660.1	2660.1	2649.3	2649.3	2645.7	2649.3	2634.8
5°	2631.2	2645.7	2645.7	2642.1	2620.4	2616.8	2606.0	2598.8	2602.4	2588.0	2598.8
7.5°	2588.0	2598.8	2584.4	2580.8	2573.6	2559.2	2555.5	2523.1	2526.7	2526.7	2533.9
10°	2580.8	2577.2	2555.5	2537.5	2515.9	2512.3	2501.5	2494.3	2494.3	2490.7	2501.5
12.5°	2580.8	2562.8	2559.2	2519.5	2483.5	2497.9	2469.0	2451.0	2476.3	2483.5	2497.9
15°	2577.2	2595.2	2533.9	2515.9	2490.7	2494.3	2469.0	2451.0	2465.4	2472.6	2483.5
17.5°	2598.8	2588.0	2570.0	2533.9	2523.1	2508.7	2476.3	2461.8	2461.8	2479.9	2483.5
20°	2656.5	2627.6	2591.6	2573.6	2584.4	2566.4	2526.7	2472.6	2487.1	2501.5	2512.3
22.5°	2710.5	2688.9	2663.7	2652.9	2714.1	2685.3	2616.8	2555.5	2533.9	2559.2	2577.2
25°	2815.1	2815.1	2768.2	2782.6	2851.1	2854.7	2775.4	2667.3	2652.9	2663.7	2670.9
27.5°	3027.7	3038.5	2998.9	3013.3	3042.1	3067.4	2998.9	2908.8	2876.3	2872.7	2883.6
30°	3258.4	3280.0	3276.4	3337.7	3420.6	3435.0	3334.1	3186.3	3089.0	3071.0	3085.4
32.5°	3561.2	3572.0	3564.8	3636.9	3860.4	3964.9	3701.8	3492.7	3362.9	3395.4	3362.9
35°	4130.7	4119.9	4040.6	4055.0	4238.8	4314.5	4062.2	3928.8	3867.6	3932.4	3918.0
37.5°	4620.9	4581.2	4516.4	4610.1	4801.1	4869.6	4606.5	4372.2	4260.5	4368.6	4415.4
40°	5035.4	4934.5	4844.4	4938.1	5194.0	5287.7	4902.0	4711.0	4667.8	4747.1	4848.0
42.5°	5385.0	5320.2	5201.2	5208.4	5377.8	5421.1	5111.1	4999.4	4956.1	5082.3	5132.7
45°	5633.7	5572.5	5460.7	5453.5	5583.3	5554.4	5276.9	5201.2	5226.4	5309.3	5334.6
47.5°	5759.9	5792.3	5727.5	5745.5	5814.0	5745.5	5525.6	5525.6	5467.9	5518.4	5493.2
50°	6123.9	6023.0	6105.9	6105.9	6178.0	6185.2	5965.4	5886.1	5731.1	5644.6	5644.6
52.5°	6549.3	6556.5	6588.9	6707.9	6830.4	6934.9	6621.4	6282.5	6023.0	5911.3	5896.9
55°	6898.9	6971.0	7100.8	7324.2	7677.5	7821.6	7281.0	6675.4	6358.2	6185.2	6149.2
56°	7089.9	7021.5	7244.9	7551.3	8012.7	8200.1	7389.1	6754.7	6405.1	6210.5	6206.8
57.5°	6906.1	6981.8	7136.8	7619.8	8185.7	8430.8	7428.8	6718.7	6217.7	6019.4	6037.4
60°	5453.5	5525.6	5734.7	6275.3	7162.0	7353.1	6286.1	5540.0	5093.1	4808.3	4811.9
62.5°	3085.4	3139.5	3301.7	3802.7	4354.2	4538.0	3918.0	3420.6	3110.6	2952.0	2901.6
65°	1135.4	1113.8	1139.0	1394.9	1733.7	1888.7	1629.2	1376.9	1214.7	1157.0	1135.4
67.5°	425.3	392.9	367.7	392.9	493.8	522.6	479.4	400.1	374.9	385.7	392.9
70°	263.1	248.7	198.2	187.4	183.8	180.2	191.0	201.8	230.7	270.3	277.5
72.5°	183.8	173.0	140.6	133.4	126.2	122.6	140.6	155.0	180.2	209.1	212.7
75°	72.1	75.7	72.1	79.3	82.9	86.5	100.9	111.7	122.6	122.6	118.9
77.5°	14.4	14.4	21.6	28.8	36.0	46.9	68.5	79.3	82.9	79.3	68.5
80°	0.0	0.0	7.2	14.4	28.8	39.6	61.3	68.5	75.7	68.5	54.1
82.5°	0.0	0.0	7.2	18.0	28.8	36.0	57.7	72.1	82.9	75.7	57.7
85°	0.0	0.0	7.2	14.4	21.6	25.2	25.2	18.0	18.0	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)