

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: P530023

Luminaire Tested: **GALN-SA5B-727-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530023  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA5B-727-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15401 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

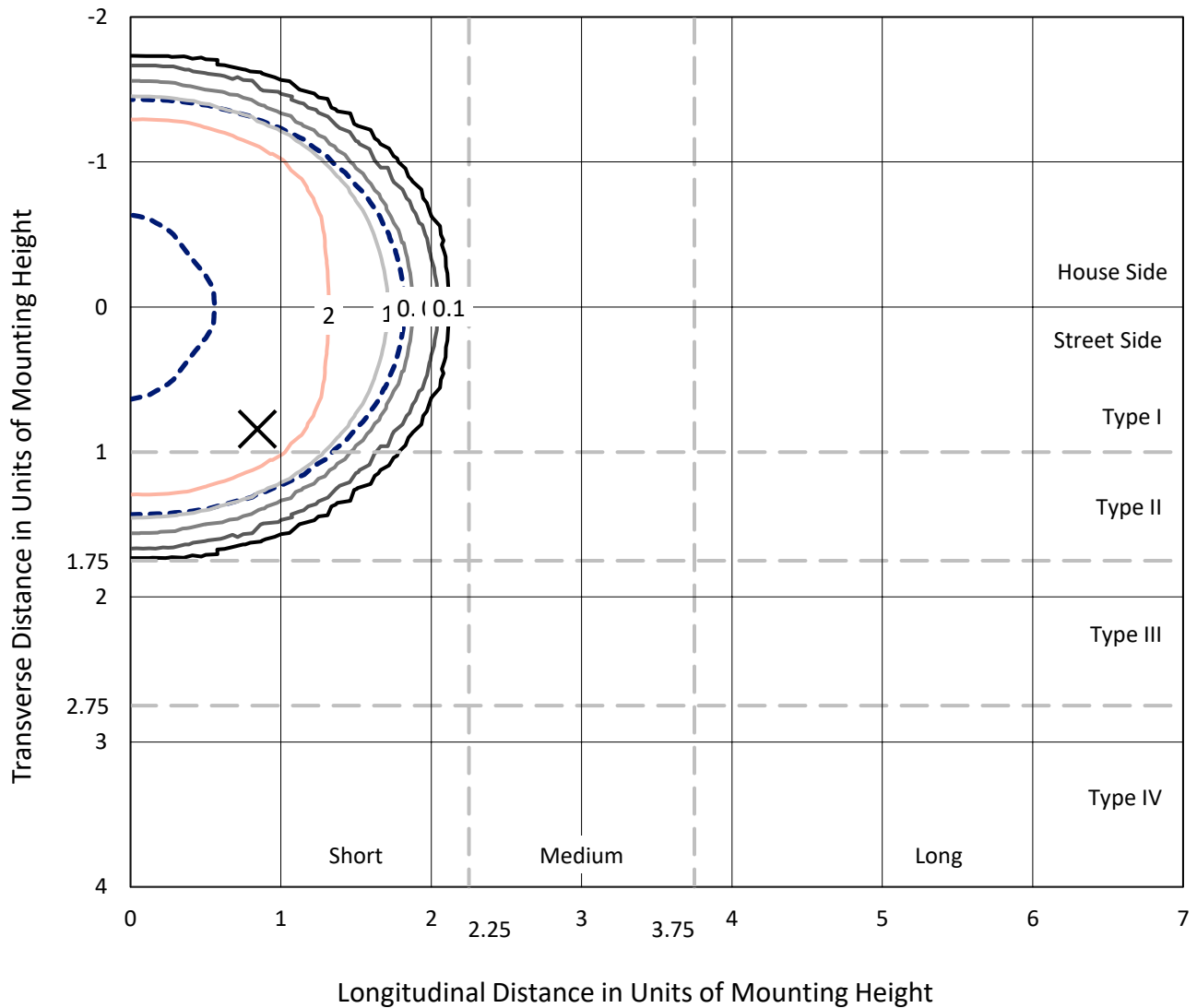
Input Watts (W): 204  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

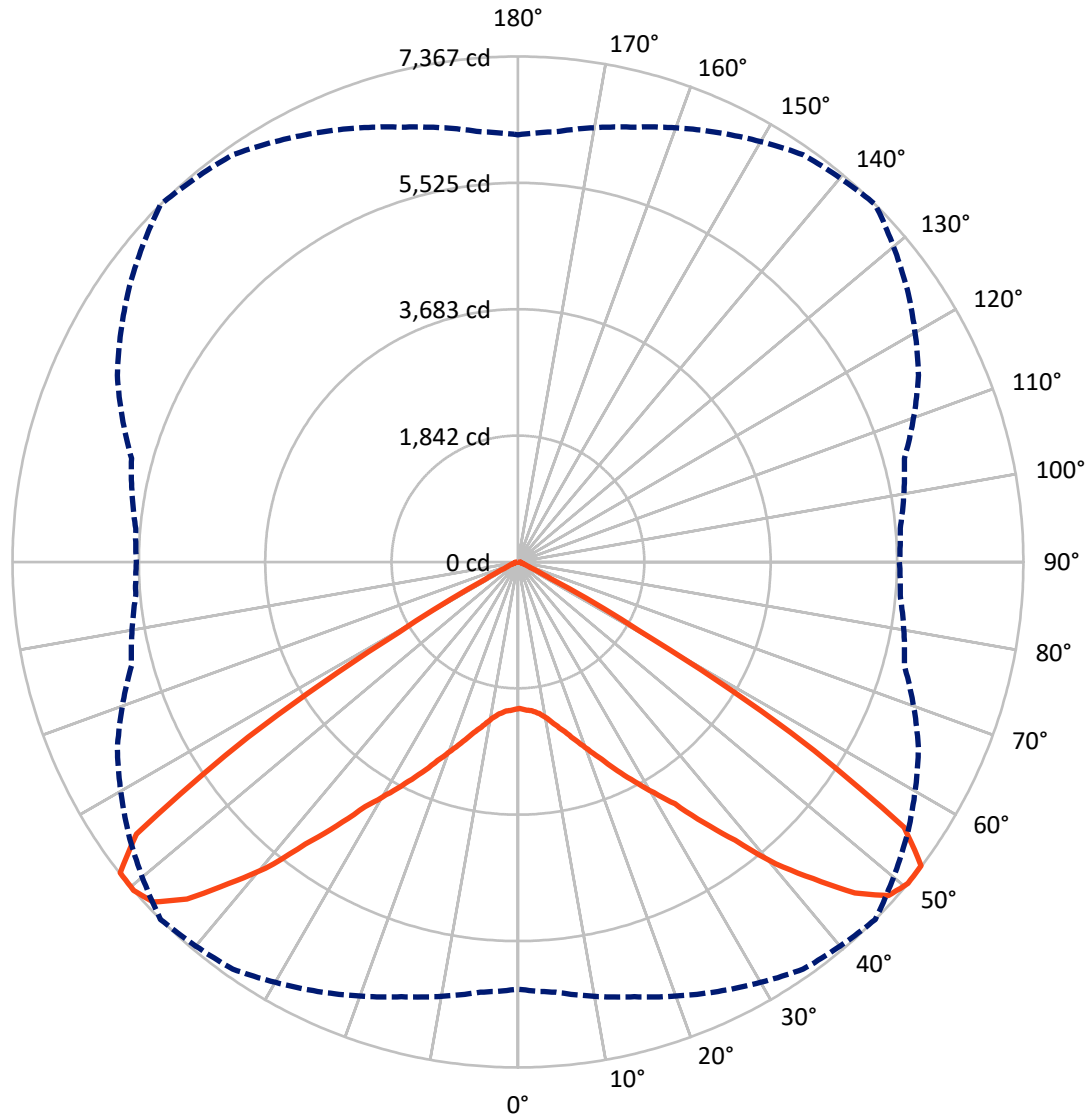
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7700.5	0.0	7700.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7700.5	0.0	7700.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15401.0	0.0	15401.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.4	1.4
10°-20°	732.1	4.8
20°-30°	1495.3	9.7
30°-40°	2851.5	18.5
40°-50°	4805.1	31.2
50°-60°	4582.6	29.8
60°-70°	639.7	4.2
70°-80°	61.2	0.4
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°	15401.0	100.0
0°-180°	15401.0	100.0

**Coefficient of Utilization**



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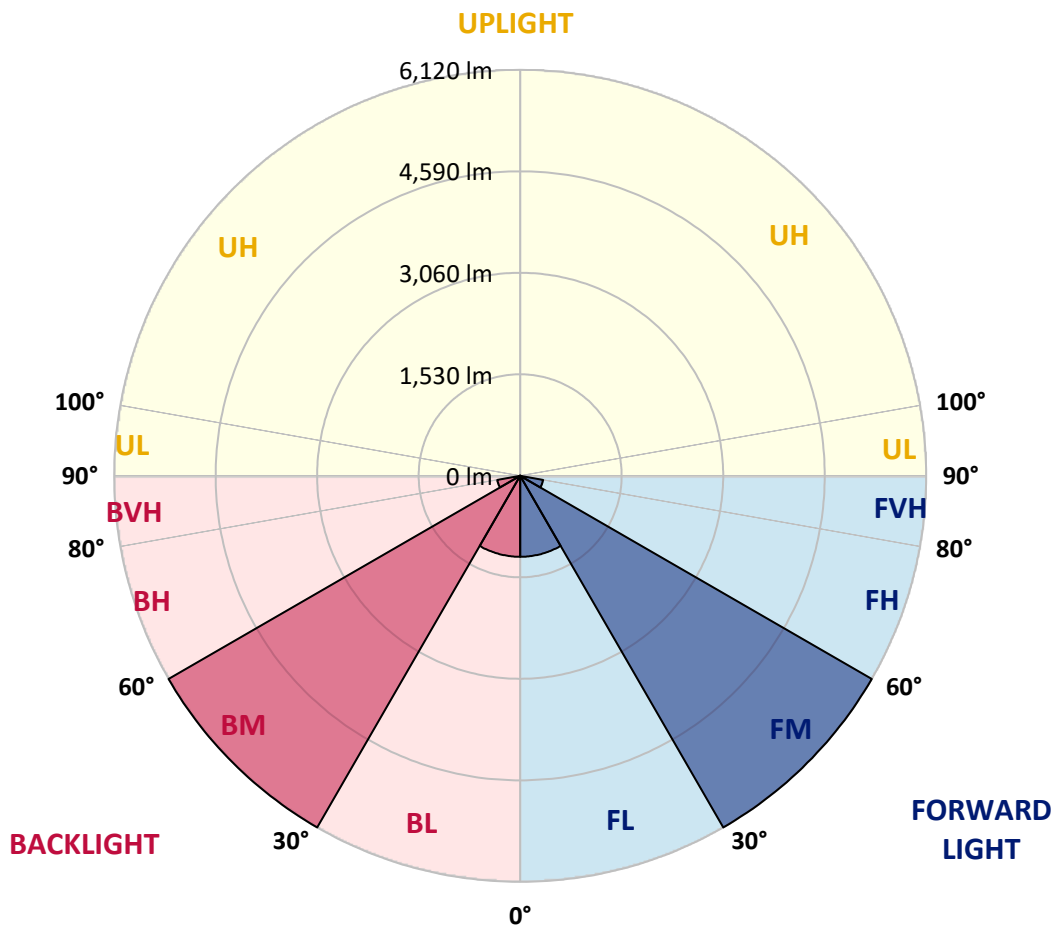
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1219.9	7.9			
FM (30°-60°)	6119.6	39.7			
FH (60°-80°)	350.4	2.3			G0/660
FVH (80°-90°)	10.6	0.1			G1/100
BL (0°-30°)	1219.9	7.9	B3/2500		
BM (30°-60°)	6119.6	39.7	B4/8500		
BH (60°-80°)	350.4	2.3	B1/500		G0/660
BVH (80°-90°)	10.6	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°	2135.2	2135.2	2135.2	2135.2	2135.2	2135.2	2135.2	2135.2	2135.2	2135.2	2135.2
2.5°	2127.4	2127.4	2124.8	2145.5	2135.2	2158.5	2155.9	2163.7	2171.5	2168.9	2189.6
5°	2109.3	2106.7	2106.7	2130.0	2153.3	2179.2	2202.6	2218.1	2244.0	2244.0	2269.9
7.5°	2127.4	2114.4	2132.6	2143.0	2187.0	2231.1	2269.9	2301.0	2360.6	2381.3	2373.6
10°	2132.6	2148.1	2161.1	2192.2	2246.6	2314.0	2347.7	2425.4	2492.8	2539.4	2549.8
12.5°	2166.3	2189.6	2225.9	2301.0	2350.3	2438.4	2485.0	2560.1	2653.4	2705.3	2741.5
15°	2231.1	2238.8	2285.5	2381.3	2487.6	2567.9	2640.5	2694.9	2785.6	2845.2	2847.8
17.5°	2314.0	2347.7	2412.4	2503.1	2614.6	2733.8	2790.8	2850.4	2884.0	2964.4	2982.5
20°	2479.8	2485.0	2547.2	2666.4	2806.3	2915.1	2956.6	2987.7	2974.7	3057.7	3073.2
22.5°	2635.3	2640.5	2718.2	2878.9	3029.2	3122.4	3140.6	3122.4	3083.6	3143.2	3148.4
25°	2793.4	2840.0	2897.0	3057.7	3244.2	3368.6	3371.2	3322.0	3241.6	3252.0	3277.9
27.5°	3039.5	3073.2	3132.8	3280.5	3485.2	3625.1	3601.8	3542.2	3438.6	3446.3	3438.6
30°	3327.1	3358.2	3407.5	3596.6	3746.9	3899.8	3933.5	3876.5	3721.0	3687.3	3726.2
32.5°	3674.4	3718.4	3809.1	3982.7	4109.7	4203.0	4226.3	4205.6	4060.5	4047.5	4073.4
35°	4096.7	4156.3	4239.3	4392.1	4495.8	4664.2	4664.2	4594.3	4462.1	4477.7	4475.1
37.5°	4542.4	4630.5	4760.1	4915.6	5055.5	5146.2	5117.7	5058.1	4925.9	4892.3	4925.9
40°	5102.1	5146.2	5309.4	5511.6	5682.6	5786.2	5664.4	5534.9	5218.8	5268.0	5358.7
42.5°	5612.6	5682.6	5807.0	6029.8	6224.2	6309.7	6164.6	5908.0	5527.1	5488.2	5555.6
45°	6047.9	6123.1	6286.3	6605.1	6809.8	6884.9	6563.6	6149.0	5713.7	5615.2	5643.7
47.5°	6338.2	6377.0	6605.1	6908.2	7094.8	7265.8	6804.6	6314.8	5801.8	5615.2	5604.8
50°	6226.7	6294.1	6561.0	6905.6	7245.1	7366.9	6926.4	6441.8	5830.3	5591.9	5560.8
52.5°	5529.7	5646.3	5944.3	6408.1	6921.2	7356.5	7094.8	6400.4	5819.9	5615.2	5661.9
55°	3848.0	3850.6	4213.4	4897.4	5804.4	6830.5	6848.6	6447.0	5887.3	5760.3	5762.9
57.5°	1547.0	1624.7	1902.0	2588.6	3425.6	4690.1	5576.3	5980.6	5895.1	5864.0	5944.3
60°	391.3	393.9	479.4	730.7	1204.9	2010.8	2920.3	3951.6	4550.2	4754.9	4783.4
62.5°	199.5	202.1	222.8	259.1	329.1	539.0	958.8	1521.1	2163.7	2490.2	2575.7
65°	163.2	163.2	176.2	194.3	196.9	207.3	248.8	355.0	515.7	585.6	593.4
67.5°	124.4	124.4	134.7	145.1	150.3	147.7	142.5	147.7	178.8	171.0	165.8
70°	77.7	80.3	85.5	95.9	101.1	103.6	106.2	111.4	127.0	132.2	127.0
72.5°	46.6	46.6	49.2	57.0	64.8	70.0	77.7	82.9	90.7	103.6	101.1
75°	20.7	20.7	25.9	33.7	41.5	49.2	57.0	64.8	70.0	77.7	80.3
77.5°	5.2	7.8	13.0	23.3	31.1	41.5	51.8	59.6	64.8	64.8	62.2
80°	2.6	2.6	10.4	18.1	33.7	44.1	57.0	62.2	70.0	64.8	57.0
82.5°	2.6	2.6	10.4	18.1	31.1	44.1	59.6	67.4	72.6	64.8	54.4
85°	0.0	2.6	7.8	15.5	25.9	31.1	25.9	18.1	10.4	10.4	7.8
87.5°	0.0	0.0	2.6	2.6	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)