

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: P950081

Luminaire Tested: **GALN-SB4C-927-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950081  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB4C-927-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

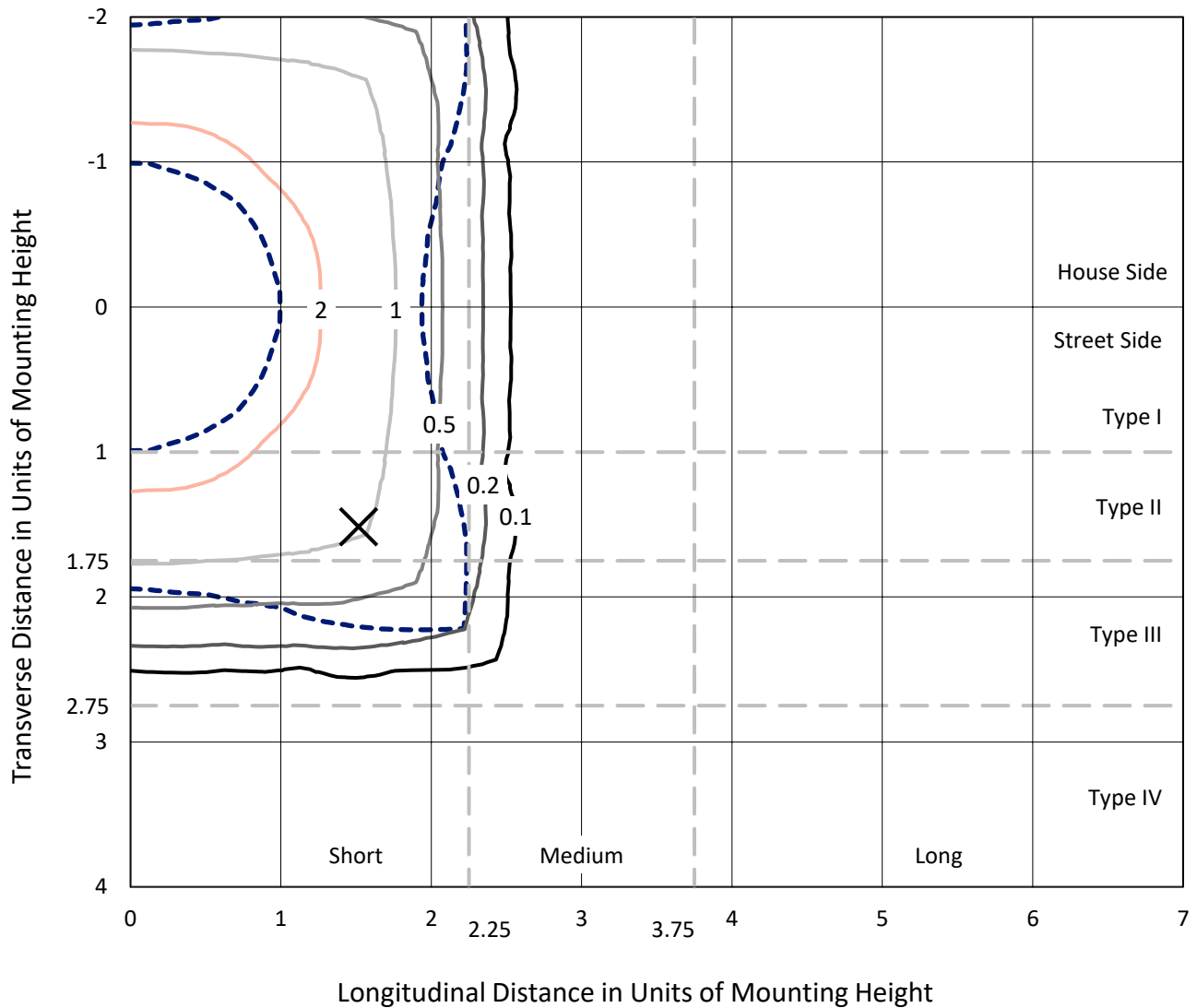
Lumens per Lamp: N/A  
Luminaire Lumens: 19145 lumens  
Efficiency: N/A  
Efficacy: 95.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

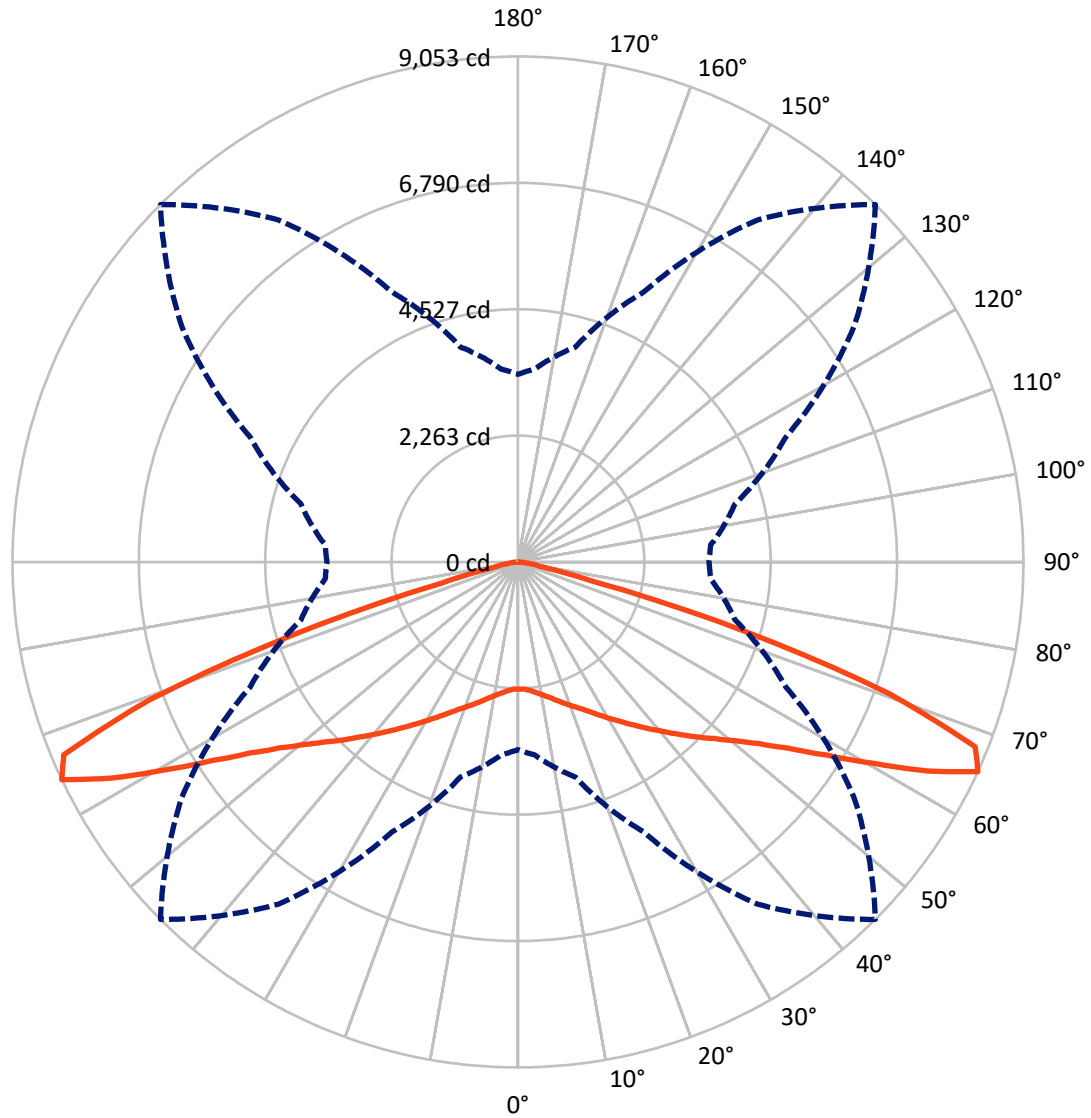
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9572.5	0.0	9572.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9572.5	0.0	9572.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19145.0	0.0	19145.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.9	1.2
10°-20°	733.7	3.8
20°-30°	1385.4	7.2
30°-40°	2268.5	11.8
40°-50°	3517.4	18.4
50°-60°	5195.9	27.1
60°-70°	4946.0	25.8
70°-80°	798.1	4.2
80°-90°	75.2	0.4
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°	19145.0	100.0
0°-180°	19145.0	100.0

**Coefficient of Utilization**



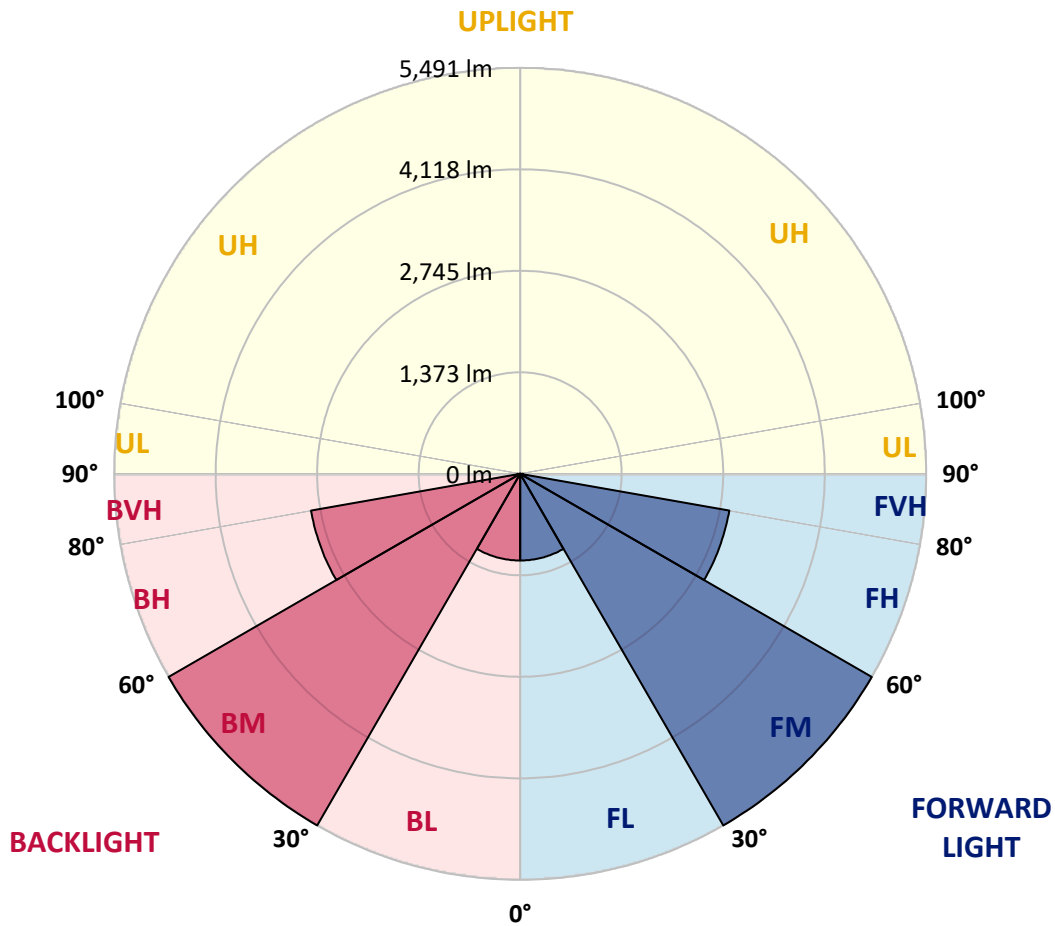
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1172.0	6.1			
FM (30°-60°)	5490.9	28.7			
FH (60°-80°)	2872.0	15.0			G2/5000
FVH (80°-90°)	37.6	0.2			G1/100
BL (0°-30°)	1172.0	6.1	B3/2500		
BM (30°-60°)	5490.9	28.7	B4/8500		
BH (60°-80°)	2872.0	15.0	B4/5000		G2/5000
BVH (80°-90°)	37.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2278.4	2278.4	2278.4	2278.4	2278.4	2278.4	2278.4	2278.4	2278.4	2278.4
2.5°	2293.8	2286.1	2291.9	2287.1	2283.2	2279.4	2281.3	2288.1	2290.9	2291.9
5°	2324.6	2317.8	2320.7	2320.7	2314.0	2312.1	2313.0	2317.8	2323.6	2323.6
7.5°	2374.5	2367.8	2374.5	2370.7	2364.9	2363.0	2362.0	2365.9	2374.5	2374.5
10°	2435.0	2427.3	2431.2	2429.3	2422.5	2419.6	2418.7	2424.5	2432.1	2431.2
12.5°	2501.3	2492.7	2497.5	2491.7	2489.8	2486.9	2486.9	2485.9	2490.7	2486.9
15°	2575.3	2569.5	2571.4	2567.6	2570.5	2568.5	2560.9	2557.0	2558.9	2553.2
17.5°	2662.7	2649.2	2655.9	2654.0	2654.0	2657.9	2645.4	2640.6	2644.4	2638.7
20°	2763.5	2750.1	2753.0	2749.1	2744.3	2748.2	2732.8	2736.6	2739.5	2735.7
22.5°	2874.0	2856.7	2855.7	2857.7	2847.1	2848.1	2837.5	2847.1	2852.9	2842.3
25°	2987.3	2969.1	2981.6	2976.8	2963.3	2966.2	2958.5	2968.1	2972.9	2959.5
27.5°	3107.4	3094.9	3106.4	3109.3	3093.0	3104.5	3093.0	3101.6	3106.4	3086.3
30°	3247.7	3235.2	3245.7	3253.4	3234.2	3252.5	3242.8	3248.6	3249.6	3225.6
32.5°	3400.4	3381.2	3408.1	3411.9	3390.8	3412.9	3400.4	3408.1	3412.9	3380.2
35°	3586.7	3562.7	3593.5	3588.6	3570.4	3588.6	3577.1	3588.6	3600.2	3560.8
37.5°	3787.5	3762.5	3795.2	3786.5	3769.2	3781.7	3775.0	3782.7	3800.9	3758.7
40°	4008.4	3977.7	4021.9	4006.5	3990.2	3988.2	3992.1	3996.9	4020.9	3973.8
42.5°	4244.7	4212.1	4278.3	4254.3	4231.3	4215.9	4228.4	4238.0	4261.0	4208.2
45°	4514.6	4477.2	4563.6	4534.8	4498.3	4466.6	4486.8	4501.2	4534.8	4471.4
47.5°	4812.4	4770.1	4862.4	4853.7	4794.2	4725.0	4771.1	4812.4	4837.4	4760.5
50°	5103.5	5070.8	5191.8	5202.4	5129.4	5032.4	5096.7	5159.2	5165.9	5065.0
52.5°	5376.2	5343.6	5519.4	5585.7	5520.3	5405.1	5473.3	5536.7	5485.8	5355.1
55°	5594.3	5567.4	5791.2	5962.2	5984.3	5889.2	5929.5	5927.6	5760.5	5559.7
57.5°	5647.1	5643.3	5925.7	6287.8	6518.4	6529.9	6450.2	6246.5	5886.3	5616.4
60°	5407.0	5431.0	5819.1	6457.8	7072.6	7328.1	6983.3	6402.1	5743.2	5368.6
62.5°	4688.5	4751.9	5219.7	6250.4	7520.2	8246.4	7410.7	6165.8	5155.3	4666.4
65°	3360.0	3470.5	3987.3	5334.0	7479.9	9053.3	7349.2	5290.8	4025.7	3461.9
67.5°	1524.4	1636.8	2075.8	3652.0	6502.0	8834.3	6486.7	3690.5	2179.5	1642.6
70°	552.3	571.5	712.7	1462.0	4155.4	7039.0	4333.1	1472.5	757.9	609.0
72.5°	334.3	337.2	366.9	523.5	1443.7	4273.5	1505.2	540.8	374.6	332.4
75°	212.3	210.4	261.3	319.9	512.0	1441.8	537.0	319.9	260.3	237.3
77.5°	152.7	157.5	187.3	239.2	322.7	488.9	317.0	228.6	187.3	153.7
80°	114.3	117.2	136.4	186.3	226.7	304.5	201.7	169.1	141.2	96.1
82.5°	82.6	82.6	89.3	135.4	138.3	164.3	109.5	119.1	93.2	68.2
85°	49.0	48.0	55.7	80.7	72.0	60.5	49.9	73.0	58.6	42.3
87.5°	17.3	18.3	17.3	23.1	19.2	16.3	15.4	20.2	16.3	14.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2278.4
2291.9
2323.6
2371.6
2429.3
2488.8
2554.1
2643.5
2744.3
2852.9
2974.9
3101.6
3240.0
3402.3
3584.8
3784.6
3989.2
4236.1
4504.1
4786.5
5077.5
5359.0
5566.4
5599.1
5324.4
4637.6
3420.6
1618.5
601.3
338.1
239.2
156.6
98.9
68.2
41.3
13.4
0.0

OF REPORT)