

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: P950105

Luminaire Tested: **GALN-SB4C-930-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950105  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB4C-930-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

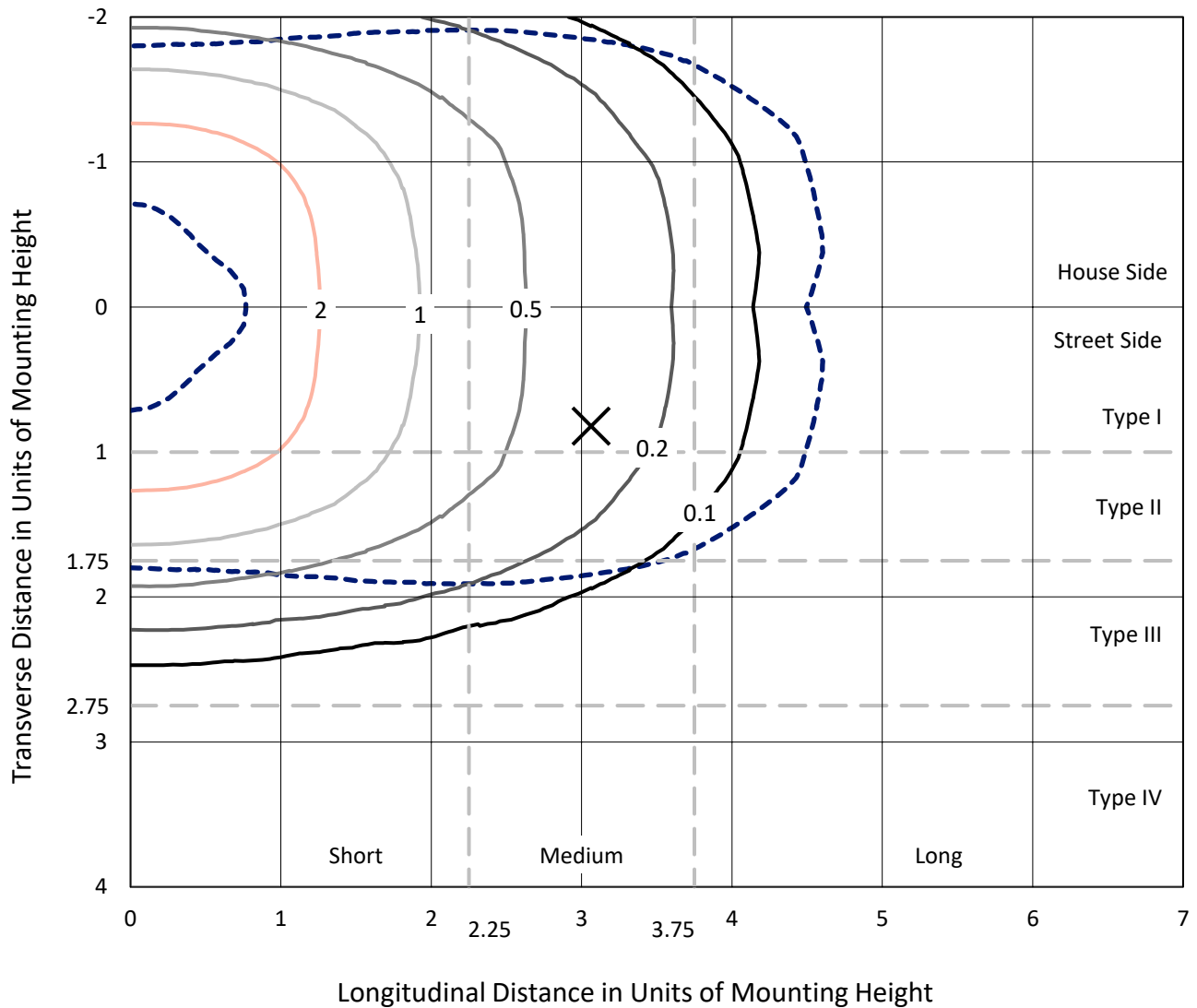
Lumens per Lamp: N/A  
Luminaire Lumens: 21501 lumens  
Efficiency: N/A  
Efficacy: 107.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

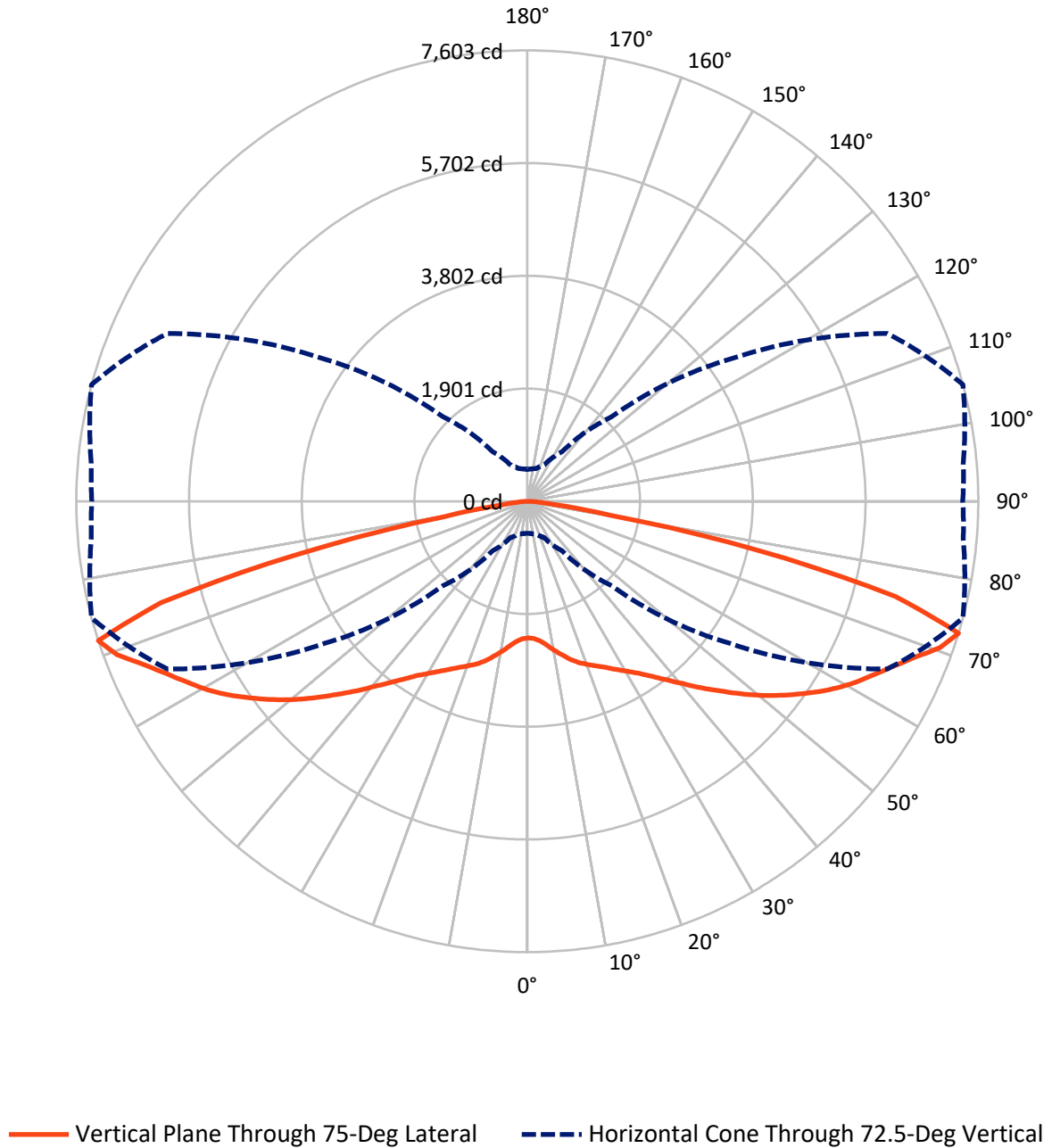
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10750.5	0.0	10750.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10750.5	0.0	10750.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21501.0	0.0	21501.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.6	1.0
10°-20°	744.1	3.5
20°-30°	1437.9	6.7
30°-40°	2427.9	11.3
40°-50°	3850.4	17.9
50°-60°	5155.2	24.0
60°-70°	4906.1	22.8
70°-80°	2560.1	11.9
80°-90°	193.8	0.9
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°	21501.0	100.0
0°-180°	21501.0	100.0

**Coefficient of Utilization**



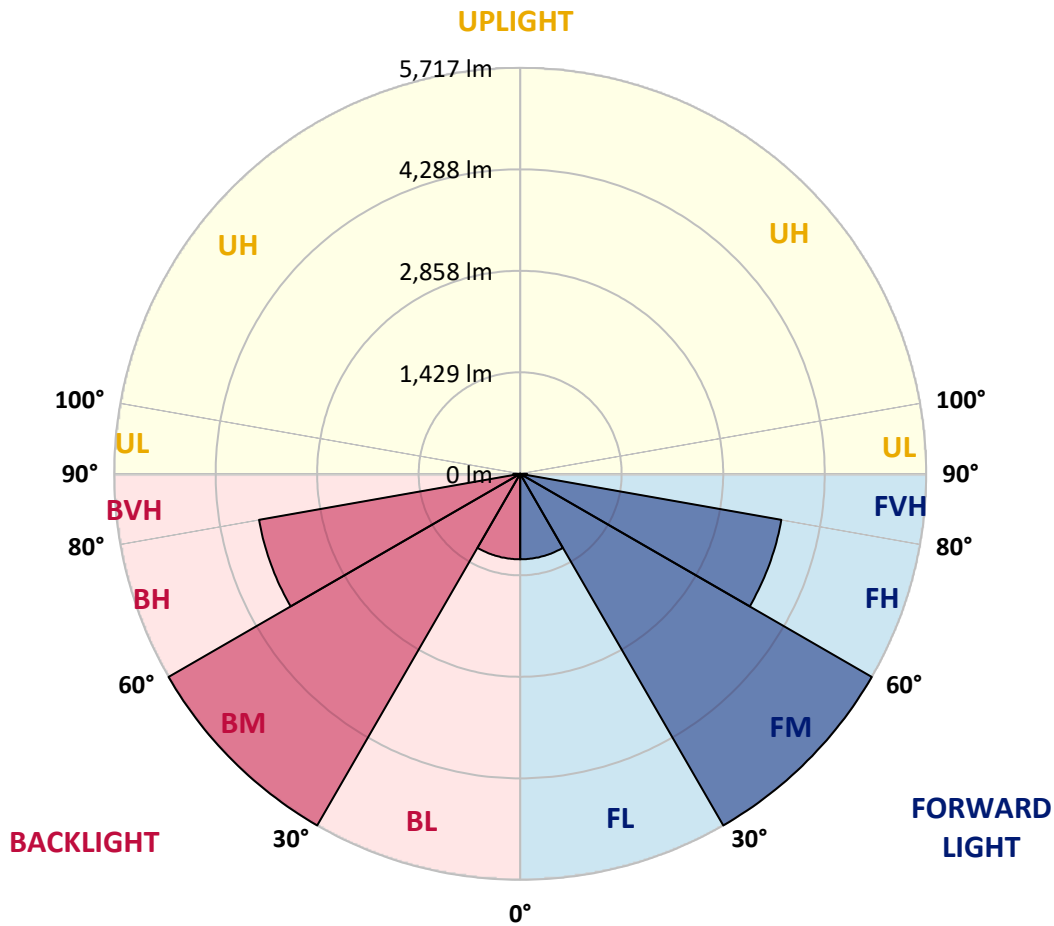
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1203.8	5.6			
FM (30°-60°)	5716.7	26.6			
FH (60°-80°)	3733.1	17.4			G2/5000
FVH (80°-90°)	96.9	0.5			G1/100
BL (0°-30°)	1203.8	5.6	B3/2500		
BM (30°-60°)	5716.7	26.6	B4/8500		
BH (60°-80°)	3733.1	17.4	B4/5000		G4/5000
BVH (80°-90°)	96.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2303.1	2303.1	2303.1	2303.1	2303.1	2303.1	2303.1	2303.1	2303.1	2303.1
2.5°	2303.1	2300.9	2303.1	2305.3	2304.2	2304.2	2309.7	2313.0	2319.6	2318.5
5°	2287.8	2286.7	2295.5	2305.3	2313.0	2326.2	2342.7	2354.7	2370.1	2373.4
7.5°	2280.1	2276.8	2292.2	2309.7	2333.9	2366.8	2398.6	2431.6	2457.9	2466.7
10°	2285.6	2286.7	2307.5	2340.5	2378.9	2425.0	2470.0	2526.0	2563.3	2572.1
12.5°	2310.8	2308.6	2343.8	2396.5	2449.1	2507.3	2560.0	2621.5	2662.1	2683.0
15°	2356.9	2352.5	2401.9	2479.9	2556.7	2624.8	2667.6	2725.8	2773.0	2799.3
17.5°	2411.8	2414.0	2478.8	2579.8	2680.8	2757.6	2798.2	2827.9	2864.1	2887.2
20°	2508.4	2512.8	2585.3	2704.9	2820.2	2908.0	2941.0	2930.0	2939.9	2957.4
22.5°	2638.0	2640.2	2721.4	2850.9	2971.7	3068.3	3090.3	3045.2	3017.8	3029.9
25°	2788.4	2802.6	2883.9	3016.7	3140.7	3233.0	3242.8	3174.8	3106.7	3110.0
27.5°	2971.7	2984.9	3067.2	3198.9	3325.2	3405.3	3404.2	3313.1	3213.2	3188.0
30°	3170.4	3184.7	3269.2	3405.3	3522.8	3593.0	3577.7	3469.0	3326.3	3279.1
32.5°	3406.4	3415.2	3500.8	3636.9	3745.6	3801.6	3769.8	3635.8	3458.0	3404.2
35°	3691.8	3705.0	3768.7	3897.1	3992.6	4038.7	3984.9	3826.9	3627.1	3566.7
37.5°	4017.9	4009.1	4081.5	4195.7	4274.8	4303.3	4229.7	4042.0	3820.3	3748.9
40°	4358.2	4353.8	4432.8	4542.6	4585.4	4603.0	4494.3	4289.0	4043.1	3966.3
42.5°	4666.7	4663.4	4769.9	4891.7	4943.3	4923.5	4786.3	4551.4	4301.1	4213.3
45°	4913.7	4909.3	5039.9	5211.2	5312.2	5279.2	5094.8	4841.2	4562.4	4471.3
47.5°	5103.6	5105.8	5246.3	5458.2	5634.9	5647.0	5409.9	5136.5	4850.0	4746.8
50°	5240.8	5247.4	5397.8	5632.7	5874.2	5980.7	5731.5	5439.5	5147.5	5031.1
52.5°	5274.8	5286.9	5468.0	5743.6	6027.9	6231.0	6058.6	5730.4	5429.6	5318.7
55°	5093.7	5117.8	5347.3	5734.8	6122.3	6395.7	6346.3	6025.7	5713.9	5599.8
57.5°	4677.6	4711.7	4979.5	5485.6	6101.5	6508.7	6569.1	6308.9	5998.3	5888.5
60°	4094.7	4135.3	4392.2	4944.4	5807.3	6550.5	6726.1	6584.5	6259.5	6153.1
62.5°	3215.4	3268.1	3575.5	4223.2	5185.9	6356.1	6860.0	6833.7	6494.5	6361.6
65°	2062.7	2118.7	2442.6	3207.7	4357.1	5761.1	6901.7	7076.3	6742.6	6557.0
67.5°	1243.8	1269.0	1429.3	1944.2	3184.7	4864.3	6548.3	7345.2	7032.4	6801.8
70°	795.9	810.2	905.7	1141.7	1800.4	3549.1	5672.2	7395.7	7383.7	7053.2
72.5°	540.1	544.5	569.7	676.2	1018.7	2016.6	4183.6	6695.4	7603.2	7377.1
75°	395.2	419.4	460.0	478.6	578.5	1007.8	2397.6	4704.0	6407.7	6506.5
77.5°	294.2	295.3	351.3	373.2	412.8	536.8	1014.3	2625.9	3978.4	4177.1
80°	249.2	236.0	234.9	300.8	310.7	334.8	453.4	906.8	1424.9	864.0
82.5°	207.5	193.2	174.5	234.9	211.9	205.3	196.5	368.9	453.4	222.8
85°	144.9	138.3	131.7	153.7	120.8	103.2	94.4	172.4	191.0	94.4
87.5°	62.6	64.8	65.9	68.1	50.5	36.2	36.2	48.3	48.3	37.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2303.1
2317.4
2373.4
2468.9
2580.9
2691.8
2809.2
2898.1
2970.6
3038.7
3115.5
3195.6
3284.6
3417.4
3575.5
3762.1
3991.5
4235.2
4492.1
4777.5
5066.3
5347.3
5631.6
5913.7
6176.1
6377.0
6580.1
6819.4
7051.0
7342.0
6267.2
3725.9
653.2
189.9
83.4
27.4
0.0

OF REPORT)