

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: P941140

Luminaire Tested: **GALN-SB4C-750-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941140  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB4C-750-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

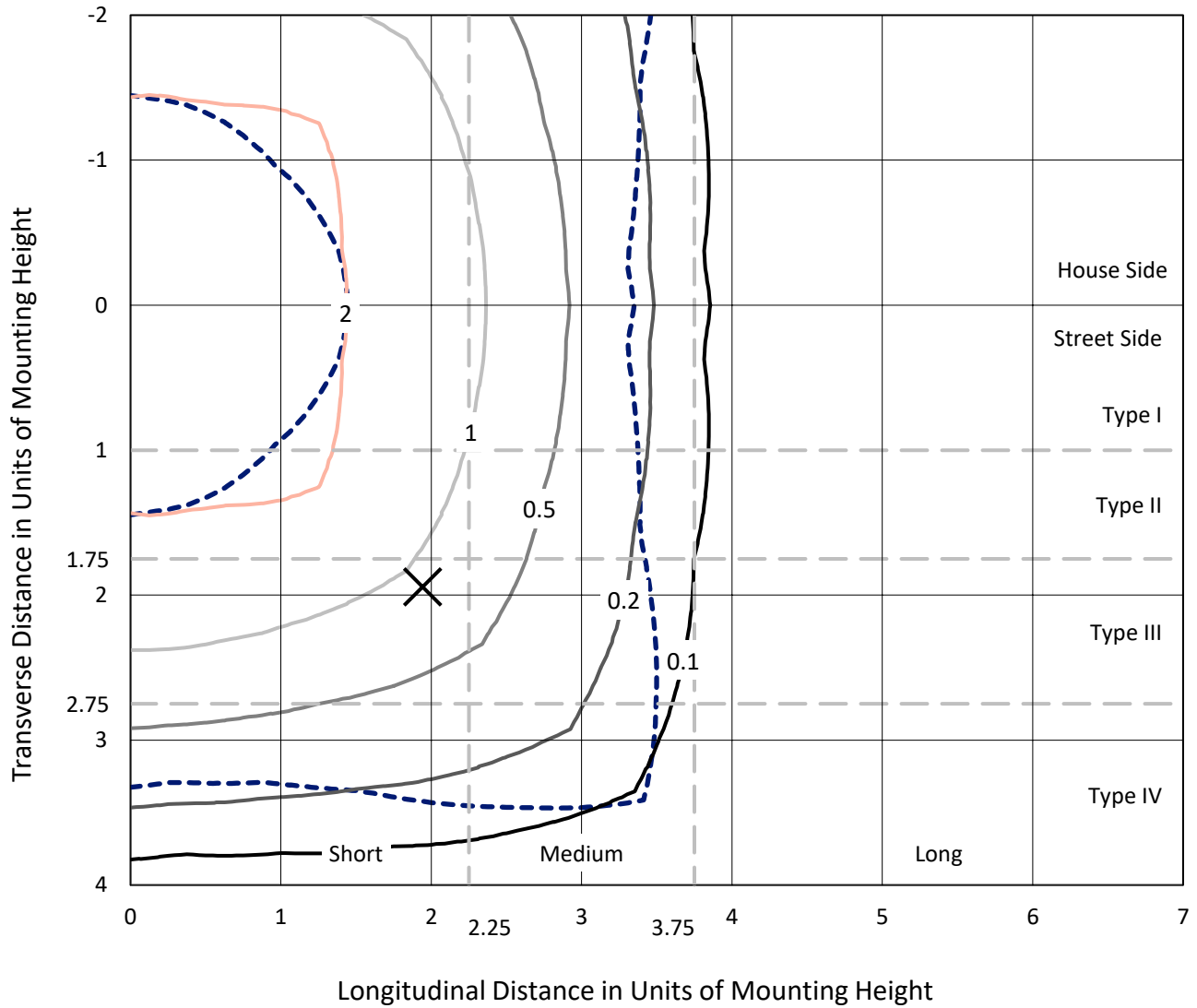
Lumens per Lamp: N/A  
Luminaire Lumens: 32120 lumens  
Efficiency: N/A  
Efficacy: 160.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

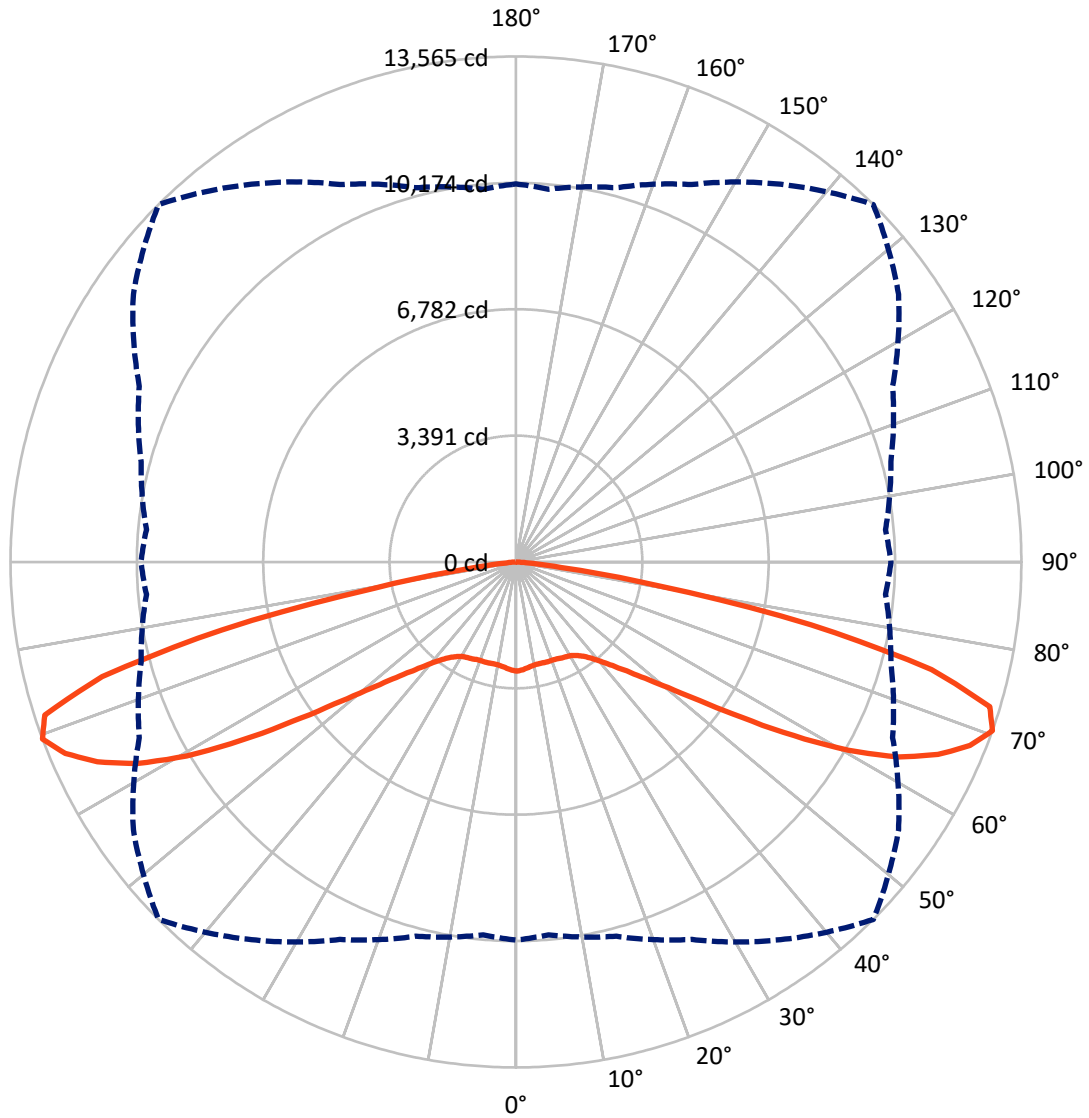
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16060.0	0.0	16060.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16060.0	0.0	16060.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32120.0	0.0	32120.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	272.6	0.8
10°-20°	800.3	2.5
20°-30°	1331.8	4.1
30°-40°	2014.1	6.3
40°-50°	3347.0	10.4
50°-60°	6315.6	19.7
60°-70°	10664.1	33.2
70°-80°	7007.4	21.8
80°-90°	367.1	1.1
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°	32120.0	100.0
0°-180°	32120.0	100.0

**Coefficient of Utilization**

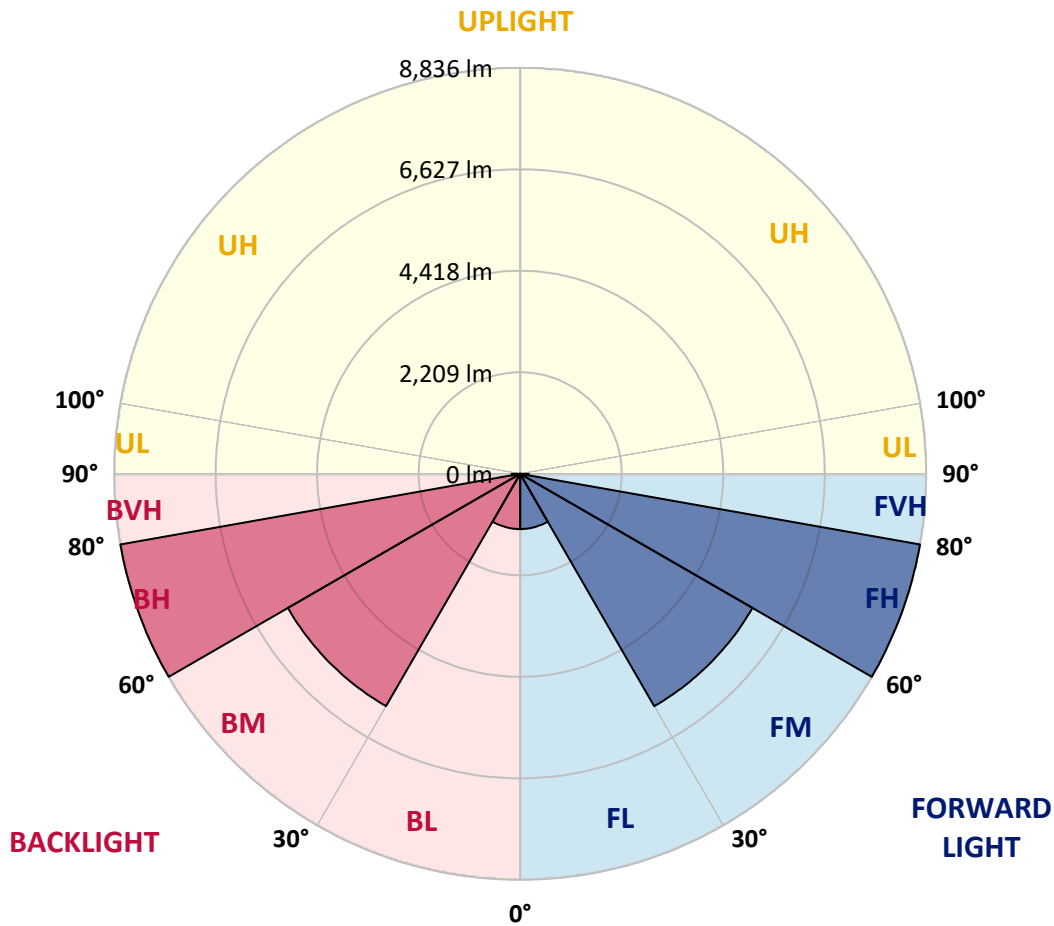


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1202.3	3.7			
FM (30°-60°)	5838.3	18.2			
FH (60°-80°)	8835.8	27.5			G4/12000
FVH (80°-90°)	183.6	0.6			G2/225
BL (0°-30°)	1202.3	3.7	B3/2500		
BM (30°-60°)	5838.3	18.2	B4/8500		
BH (60°-80°)	8835.8	27.5	B5		G4/12000
BVH (80°-90°)	183.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**  
 Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2930.0	2930.0	2930.0	2930.0	2930.0	2930.0	2930.0	2930.0	2930.0	2930.0
2.5°	2911.6	2920.0	2916.6	2910.0	2910.0	2904.9	2910.0	2913.3	2918.3	2921.6
5°	2873.2	2879.9	2878.2	2873.2	2874.9	2869.9	2873.2	2878.2	2881.6	2883.2
7.5°	2839.8	2846.5	2843.2	2834.8	2834.8	2829.8	2831.5	2836.5	2841.5	2843.2
10°	2831.5	2838.2	2828.2	2814.8	2809.8	2803.1	2804.8	2809.8	2819.8	2824.8
12.5°	2834.8	2839.8	2829.8	2809.8	2804.8	2798.1	2798.1	2803.1	2816.5	2823.1
15°	2844.8	2849.9	2834.8	2813.1	2808.1	2803.1	2801.4	2808.1	2823.1	2834.8
17.5°	2863.2	2868.2	2844.8	2814.8	2808.1	2809.8	2808.1	2813.1	2836.5	2858.2
20°	2879.9	2883.2	2851.5	2814.8	2808.1	2809.8	2808.1	2818.1	2848.2	2878.2
22.5°	2884.9	2888.3	2858.2	2826.5	2821.5	2823.1	2821.5	2831.5	2859.9	2889.9
25°	2886.6	2891.6	2868.2	2843.2	2851.5	2854.9	2851.5	2853.2	2874.9	2901.6
27.5°	2911.6	2918.3	2896.6	2874.9	2879.9	2878.2	2883.2	2888.3	2904.9	2931.7
30°	2963.4	2968.4	2950.0	2928.3	2925.0	2913.3	2928.3	2945.0	2963.4	2986.8
32.5°	3048.5	3058.5	3035.2	3011.8	2996.8	2990.1	3001.8	3030.2	3055.2	3080.2
35°	3190.4	3197.1	3175.4	3132.0	3105.3	3105.3	3115.3	3152.0	3192.1	3223.8
37.5°	3390.8	3399.1	3360.7	3309.0	3268.9	3268.9	3282.3	3320.7	3380.8	3425.8
40°	3634.5	3646.2	3597.8	3544.4	3506.0	3499.3	3516.0	3559.4	3616.2	3672.9
42.5°	3928.4	3941.7	3878.3	3831.5	3801.5	3801.5	3809.8	3849.9	3901.6	3971.8
45°	4304.0	4327.4	4240.6	4193.8	4165.4	4172.1	4177.1	4212.2	4258.9	4339.1
47.5°	4751.4	4774.8	4683.0	4634.6	4629.6	4661.3	4641.2	4666.3	4691.3	4783.1
50°	5259.0	5299.0	5235.6	5232.2	5242.3	5300.7	5253.9	5267.3	5238.9	5297.4
52.5°	5880.0	5938.4	5926.8	5946.8	6058.7	6178.9	6072.0	6025.3	5918.4	5936.8
55°	6633.0	6721.4	6738.1	6858.3	7112.1	7357.5	7130.5	6941.8	6714.8	6673.0
57.5°	7489.4	7559.5	7639.7	7885.1	8359.2	8795.0	8359.2	7941.9	7584.6	7499.4
60°	8411.0	8497.8	8574.6	8936.9	9641.4	10254.1	9628.1	8965.3	8492.8	8377.6
62.5°	9401.0	9512.9	9566.3	9968.6	10790.0	11521.3	10801.7	9998.7	9474.5	9350.9
65°	10351.0	10442.8	10502.9	10932.0	11716.6	12449.5	11770.0	10978.7	10439.4	10277.5
67.5°	10793.4	10843.5	10990.4	11476.2	12304.3	13140.7	12444.5	11528.0	10925.3	10641.5
70°	10145.6	10043.8	10397.7	11175.7	12374.4	13564.8	12534.7	11152.3	10414.4	9953.6
72.5°	7840.0	7664.7	8279.1	9609.7	11573.0	13294.3	11653.2	9684.8	8661.4	7726.5
75°	4265.6	4066.9	4915.0	6597.9	9229.1	11523.0	9441.1	6786.6	5472.7	4233.9
77.5°	1203.7	1128.6	1813.1	3192.1	5551.1	8090.4	5764.8	3262.2	2150.3	1275.5
80°	369.0	357.3	484.2	961.6	2357.3	3874.9	2265.5	973.3	616.0	389.0
82.5°	218.7	200.3	240.4	350.6	601.0	1217.1	584.3	365.6	293.8	197.0
85°	125.2	116.9	141.9	170.3	202.0	258.8	168.6	173.6	156.9	105.2
87.5°	51.8	46.7	55.1	53.4	46.7	60.1	45.1	53.4	63.4	41.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2930.0
2920.0
2883.2
2843.2
2824.8
2824.8
2836.5
2858.2
2879.9
2889.9
2899.9
2925.0
2981.7
3070.2
3212.1
3409.1
3654.6
3966.8
4335.7
4756.4
5262.3
5875.0
6607.9
7439.3
8277.4
9250.8
10197.4
10644.8
10063.8
7958.6
4509.3
1417.4
410.7
213.7
110.2
38.4
0.0

OF REPORT)