

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: P949832

Luminaire Tested: **GALN-SB4C-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949832
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-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25532 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

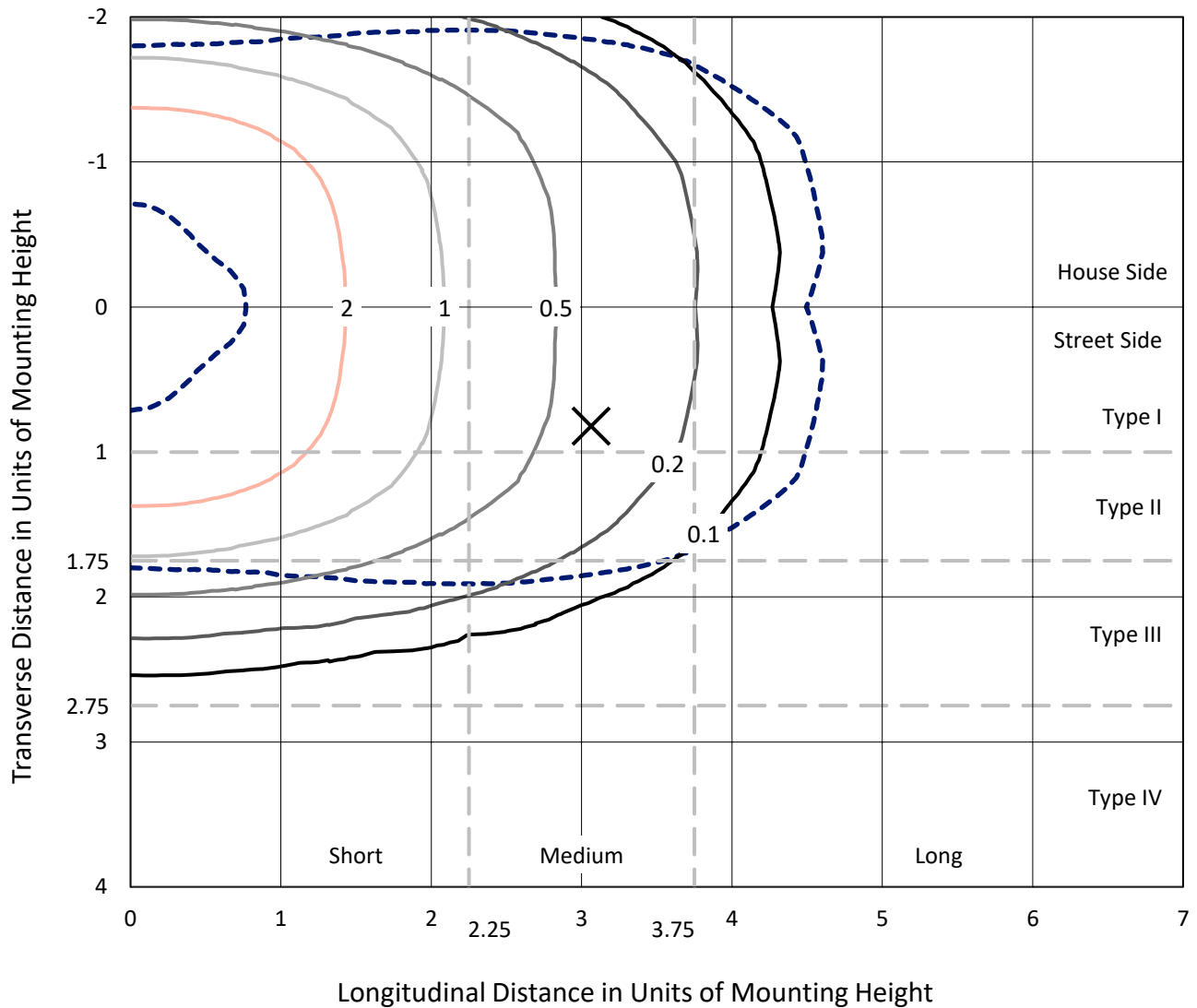
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

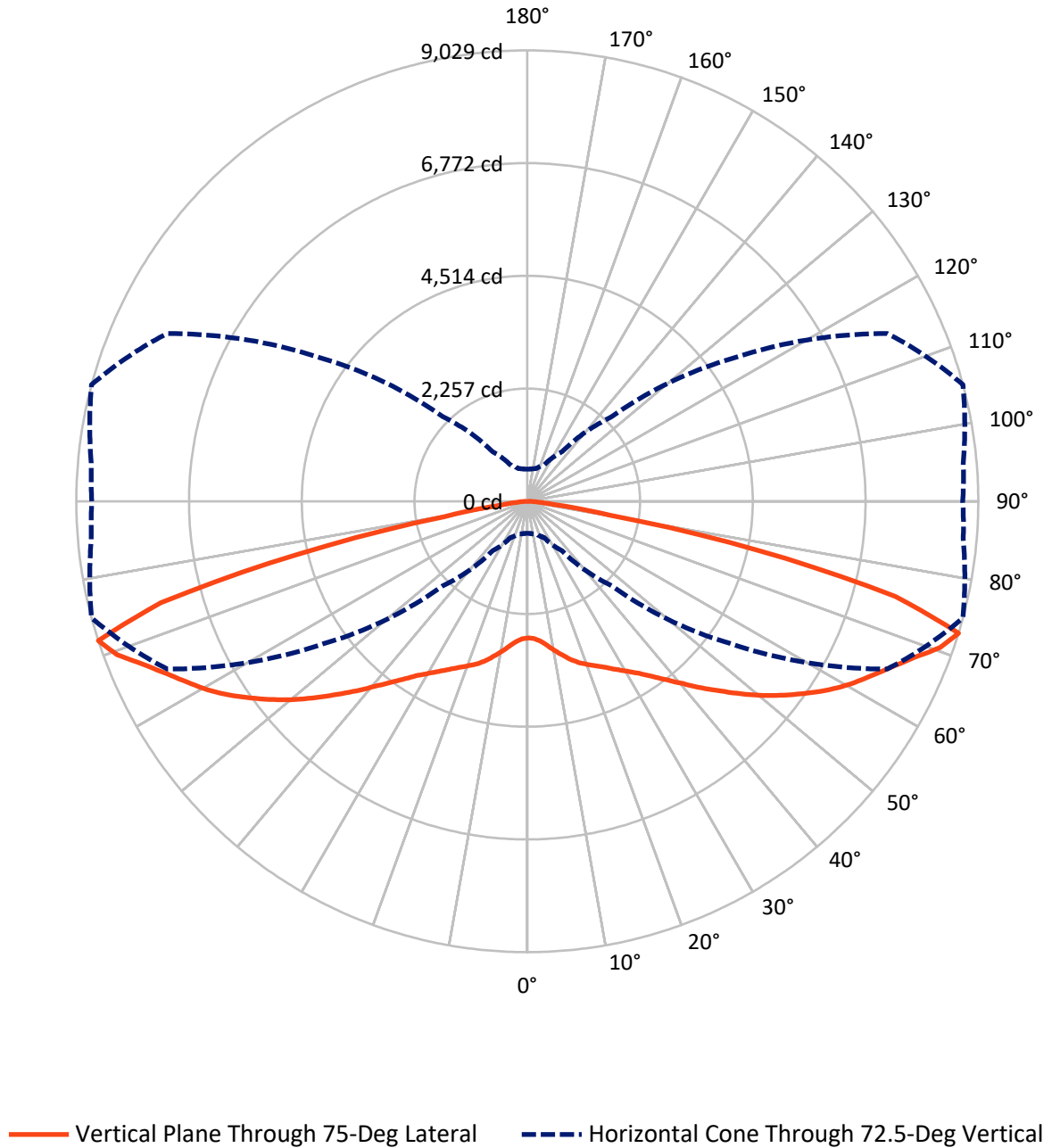
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12766.0	0.0	12766.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12766.0	0.0	12766.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25532.0	0.0	25532.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.9	1.0
10°-20°	883.6	3.5
20°-30°	1707.4	6.7
30°-40°	2883.1	11.3
40°-50°	4572.2	17.9
50°-60°	6121.7	24.0
60°-70°	5825.9	22.8
70°-80°	3040.1	11.9
80°-90°	230.1	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°	25532.0	100.0
0°-180°	25532.0	100.0



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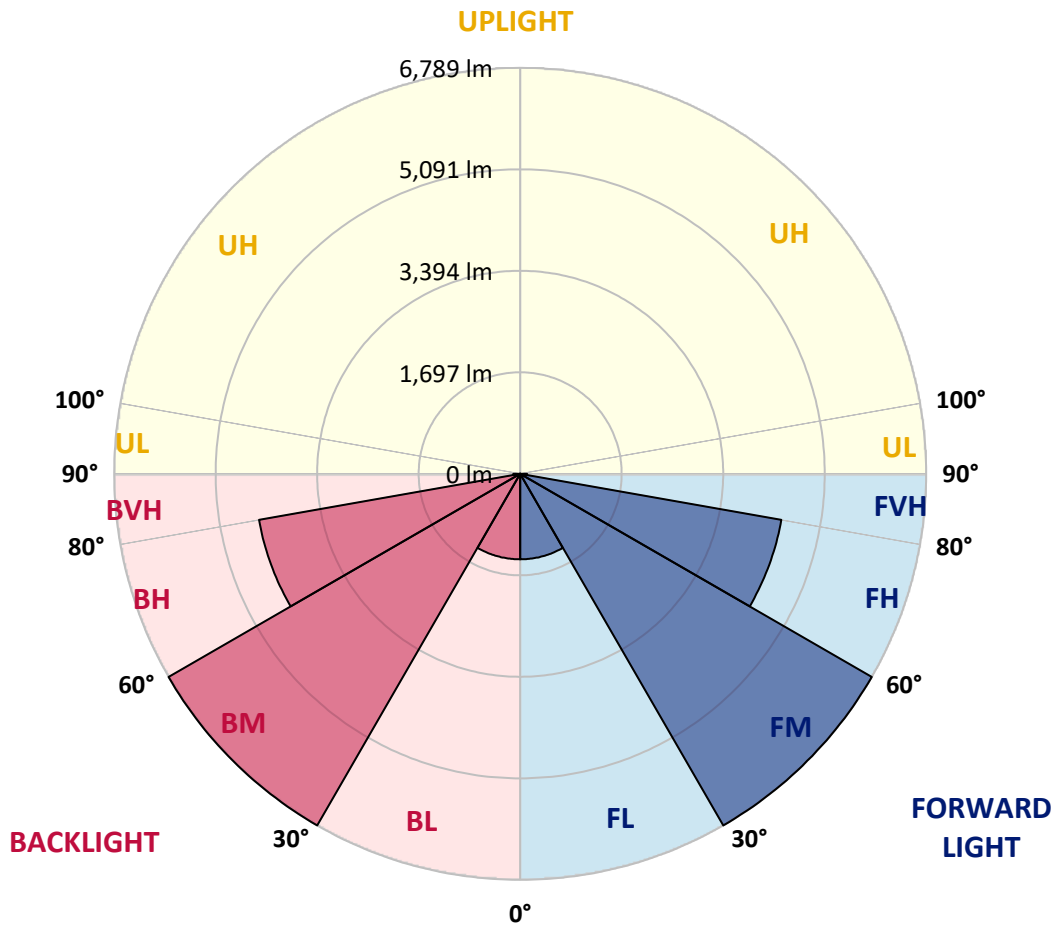
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1429.5	5.6			
FM (30°-60°)	6788.5	26.6			
FH (60°-80°)	4433.0	17.4			G2/5000
FVH (80°-90°)	115.1	0.5			G2/225
BL (0°-30°)	1429.5	5.6	B3/2500		
BM (30°-60°)	6788.5	26.6	B4/8500		
BH (60°-80°)	4433.0	17.4	B4/5000		G4/5000
BVH (80°-90°)	115.1	0.5			G2/225
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°	90°
0°	2734.9	2734.9	2734.9	2734.9	2734.9	2734.9	2734.9	2734.9	2734.9	2734.9	2734.9
2.5°	2734.9	2732.3	2734.9	2737.5	2736.2	2736.2	2742.8	2746.7	2754.5	2753.2	2751.9
5°	2716.7	2715.4	2725.8	2737.5	2746.7	2762.3	2781.9	2796.2	2814.5	2818.4	2818.4
7.5°	2707.6	2703.6	2721.9	2742.8	2771.4	2810.5	2848.3	2887.5	2918.7	2929.2	2931.8
10°	2714.1	2715.4	2740.1	2779.3	2824.9	2879.6	2933.1	2999.6	3043.9	3054.3	3064.7
12.5°	2744.1	2741.5	2783.2	2845.7	2908.3	2977.4	3040.0	3113.0	3161.2	3186.0	3196.4
15°	2798.8	2793.6	2852.3	2944.8	3036.1	3116.9	3167.7	3236.8	3292.9	3324.2	3335.9
17.5°	2864.0	2866.6	2943.5	3063.4	3183.4	3274.6	3322.9	3358.1	3401.1	3428.4	3441.5
20°	2978.7	2983.9	3070.0	3212.0	3348.9	3453.2	3492.3	3479.3	3491.0	3511.9	3527.5
22.5°	3132.5	3135.1	3231.6	3385.4	3528.8	3643.5	3669.6	3616.2	3583.6	3597.9	3608.3
25°	3311.1	3328.1	3424.5	3582.3	3729.6	3839.1	3850.8	3770.0	3689.2	3693.1	3699.6
27.5°	3528.8	3544.5	3642.2	3798.7	3948.6	4043.7	4042.4	3934.2	3815.6	3785.6	3794.8
30°	3764.8	3781.7	3882.1	4043.7	4183.2	4266.7	4248.4	4119.3	3949.9	3893.8	3900.3
32.5°	4045.0	4055.5	4157.2	4318.8	4447.9	4514.3	4476.5	4317.5	4106.3	4042.4	4058.1
35°	4384.0	4399.6	4475.2	4627.7	4741.2	4795.9	4732.0	4544.3	4307.1	4235.4	4245.8
37.5°	4771.1	4760.7	4846.8	4982.3	5076.2	5110.1	5022.7	4799.8	4536.5	4451.8	4467.4
40°	5175.3	5170.0	5263.9	5394.3	5445.1	5466.0	5336.9	5093.1	4801.1	4709.9	4739.9
42.5°	5541.6	5537.7	5664.1	5808.8	5870.1	5846.6	5683.7	5404.7	5107.5	5003.2	5029.3
45°	5834.9	5829.7	5984.8	6188.1	6308.1	6269.0	6050.0	5748.8	5417.7	5309.5	5334.3
47.5°	6060.4	6063.0	6229.9	6481.5	6691.3	6705.7	6424.1	6099.5	5759.3	5636.7	5673.2
50°	6223.3	6231.2	6409.8	6688.7	6975.5	7102.0	6806.0	6459.3	6112.5	5974.4	6016.1
52.5°	6263.8	6278.1	6493.2	6820.4	7158.0	7399.2	7194.5	6804.7	6447.6	6315.9	6349.8
55°	6048.7	6077.3	6349.8	6810.0	7270.1	7594.7	7536.1	7155.4	6785.2	6649.6	6687.4
57.5°	5554.6	5595.0	5913.1	6514.0	7245.4	7729.0	7800.7	7491.7	7122.8	6992.5	7022.4
60°	4862.4	4910.6	5215.7	5871.4	6896.0	7778.5	7987.1	7818.9	7433.1	7306.6	7334.0
62.5°	3818.2	3880.8	4245.8	5014.9	6158.2	7547.8	8146.1	8114.9	7712.0	7554.3	7572.6
65°	2449.4	2515.9	2900.5	3809.1	5174.0	6841.2	8195.7	8402.9	8006.7	7786.4	7813.7
67.5°	1477.0	1507.0	1697.3	2308.7	3781.7	5776.2	7775.9	8722.3	8350.8	8077.1	8097.9
70°	945.1	962.1	1075.5	1355.7	2137.9	4214.5	6735.7	8782.3	8768.0	8375.6	8373.0
72.5°	641.4	646.6	676.6	803.0	1209.7	2394.7	4968.0	7950.6	9028.7	8760.1	8718.4
75°	469.3	498.0	546.2	568.4	687.0	1196.7	2847.0	5585.9	7609.1	7726.4	7442.2
77.5°	349.4	350.7	417.1	443.2	490.2	637.5	1204.5	3118.2	4724.2	4960.2	4424.4
80°	295.9	280.3	279.0	357.2	368.9	397.6	538.4	1076.8	1692.1	1025.9	775.6
82.5°	246.4	229.4	207.3	279.0	251.6	243.8	233.3	438.0	538.4	264.6	225.5
85°	172.1	164.3	156.4	182.5	143.4	122.5	112.1	204.7	226.8	112.1	99.1
87.5°	74.3	76.9	78.2	80.8	60.0	43.0	43.0	57.4	57.4	44.3	32.6
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)