

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: P949829

Luminaire Tested: **GALN-SB4C-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949829
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-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25982 lumens
Efficiency: N/A
Efficacy: 129.5 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

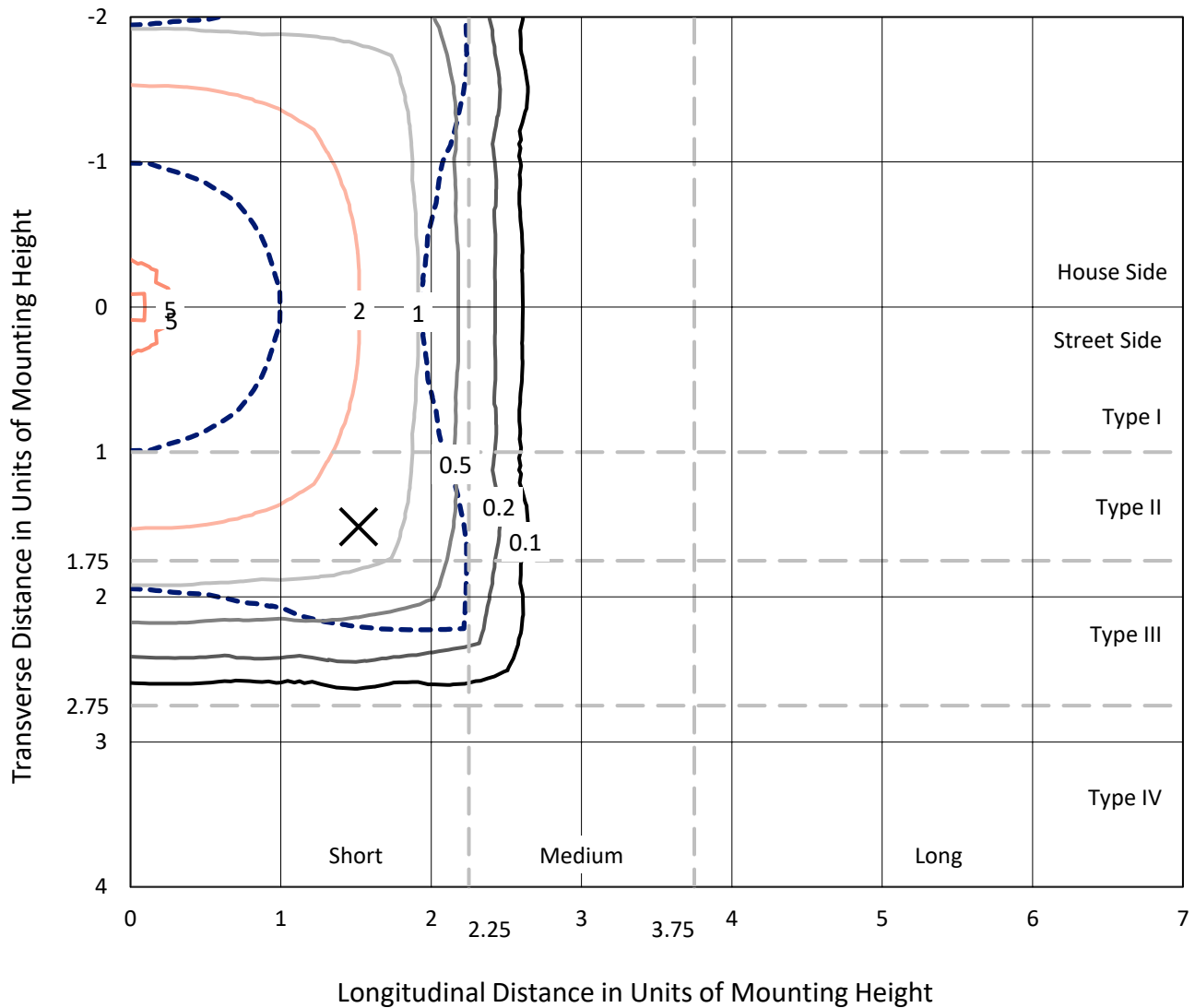


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

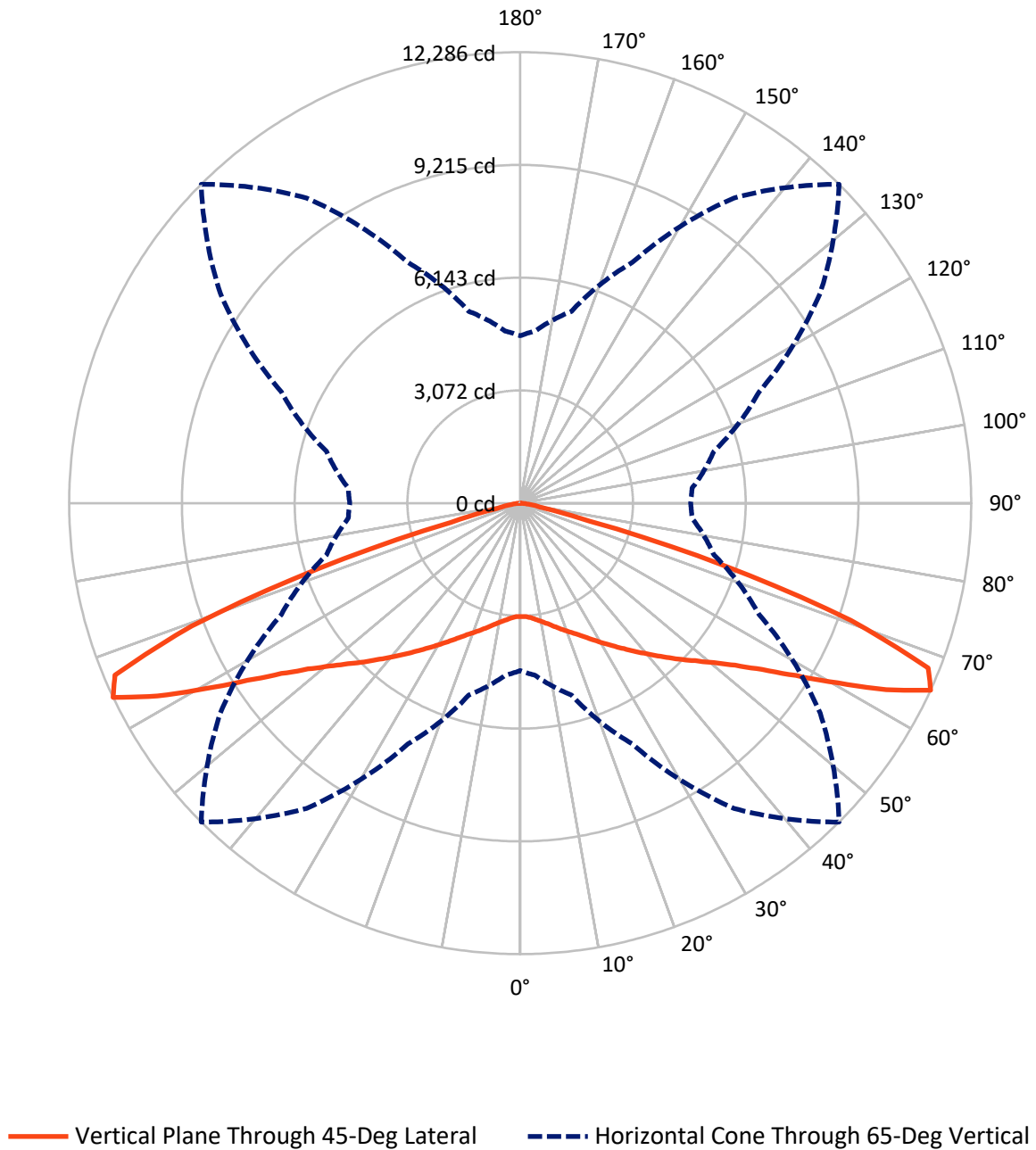


Based on 25 foot mounting height. Maximum calculated value = 5 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12991.0	0.0	12991.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12991.0	0.0	12991.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25982.0	0.0	25982.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.2	1.2
10°-20°	995.8	3.8
20°-30°	1880.1	7.2
30°-40°	3078.6	11.8
40°-50°	4773.4	18.4
50°-60°	7051.4	27.1
60°-70°	6712.3	25.8
70°-80°	1083.1	4.2
80°-90°	102.1	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°	25982.0	100.0
0°-180°	25982.0	100.0

Coefficient of Utilization



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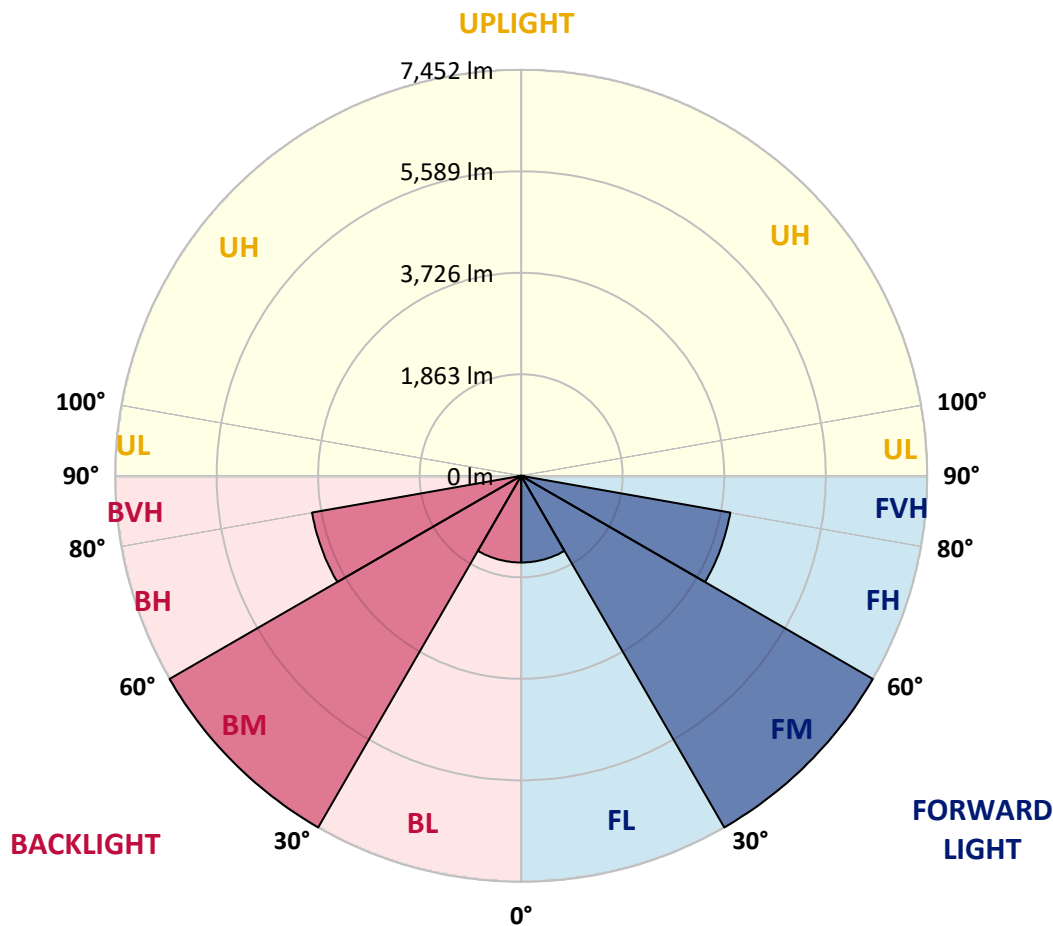
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1590.5	6.1			
FM	(30°-60°)	7451.7	28.7			
FH	(60°-80°)	3897.7	15.0			G2/5000
FVH	(80°-90°)	51.1	0.2			G1/100
BL	(0°-30°)	1590.5	6.1	B3/2500		
BM	(30°-60°)	7451.7	28.7	B4/8500		
BH	(60°-80°)	3897.7	15.0	B4/5000		G2/5000
BVH	(80°-90°)	51.1	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°	90°
0°	3092.1	3092.1	3092.1	3092.1	3092.1	3092.1	3092.1	3092.1	3092.1	3092.1	3092.1
2.5°	3113.0	3102.5	3110.4	3103.9	3098.6	3093.4	3096.0	3105.2	3109.1	3110.4	3110.4
5°	3154.7	3145.6	3149.5	3149.5	3140.4	3137.7	3139.0	3145.6	3153.4	3153.4	3153.4
7.5°	3222.5	3213.4	3222.5	3217.3	3209.4	3206.8	3205.5	3210.7	3222.5	3222.5	3218.6
10°	3304.6	3294.2	3299.4	3296.8	3287.7	3283.7	3282.4	3290.3	3300.7	3299.4	3296.8
12.5°	3394.6	3382.8	3389.3	3381.5	3378.9	3375.0	3375.0	3373.7	3380.2	3375.0	3377.6
15°	3494.9	3487.1	3489.7	3484.5	3488.4	3485.8	3475.4	3470.2	3472.8	3464.9	3466.2
17.5°	3613.6	3595.3	3604.4	3601.8	3601.8	3607.0	3590.1	3583.6	3588.8	3581.0	3587.5
20°	3750.4	3732.2	3736.1	3730.9	3724.4	3729.6	3708.7	3713.9	3717.8	3712.6	3724.4
22.5°	3900.3	3876.9	3875.6	3878.2	3863.8	3865.1	3850.8	3863.8	3871.7	3857.3	3871.7
25°	4054.2	4029.4	4046.3	4039.8	4021.6	4025.5	4015.1	4028.1	4034.6	4016.4	4037.2
27.5°	4217.1	4200.2	4215.8	4219.7	4197.6	4213.2	4197.6	4209.3	4215.8	4188.4	4209.3
30°	4407.4	4390.5	4404.8	4415.3	4389.2	4414.0	4400.9	4408.7	4410.0	4377.5	4397.0
32.5°	4614.7	4588.6	4625.1	4630.4	4601.7	4631.7	4614.7	4625.1	4631.7	4587.3	4617.3
35°	4867.6	4835.0	4876.7	4870.2	4845.4	4870.2	4854.6	4870.2	4885.9	4832.4	4865.0
37.5°	5140.1	5106.2	5150.5	5138.8	5115.3	5132.2	5123.1	5133.5	5158.3	5101.0	5136.1
40°	5439.9	5398.2	5458.1	5437.3	5415.1	5412.5	5417.7	5424.2	5456.8	5393.0	5413.8
42.5°	5760.6	5716.2	5806.2	5773.6	5742.3	5721.5	5738.4	5751.4	5782.7	5711.0	5748.8
45°	6126.9	6076.0	6193.4	6154.3	6104.7	6061.7	6089.1	6108.6	6154.3	6068.2	6112.5
47.5°	6531.0	6473.6	6598.8	6587.0	6506.2	6412.4	6474.9	6531.0	6564.9	6460.6	6495.8
50°	6926.0	6881.7	7045.9	7060.2	6961.2	6829.5	6916.9	7001.6	7010.7	6873.8	6890.8
52.5°	7296.2	7251.9	7490.4	7580.4	7491.7	7335.3	7427.9	7513.9	7444.8	7267.5	7272.7
55°	7592.1	7555.6	7859.4	8091.4	8121.4	7992.3	8047.1	8044.5	7817.6	7545.2	7554.3
57.5°	7663.8	7658.6	8041.9	8533.3	8846.2	8861.8	8753.6	8477.3	7988.4	7622.1	7598.6
60°	7337.9	7370.5	7897.2	8764.0	9598.3	9945.1	9477.1	8688.4	7794.2	7285.8	7225.8
62.5°	6362.8	6448.9	7083.7	8482.5	10205.8	11191.3	10057.2	8367.8	6996.4	6332.8	6293.7
65°	4560.0	4709.9	5411.2	7238.8	10151.1	12286.3	9973.8	7180.2	5463.3	4698.1	4642.1
67.5°	2068.8	2221.3	2817.1	4956.3	8824.0	11989.1	8803.2	5008.4	2957.8	2229.1	2196.6
70°	749.6	775.6	967.3	1984.1	5639.3	9552.7	5880.5	1998.4	1028.5	826.5	816.0
72.5°	453.6	457.6	498.0	710.5	1959.3	5799.7	2042.7	733.9	508.4	451.0	458.9
75°	288.1	285.5	354.6	434.1	694.8	1956.7	728.7	434.1	353.3	322.0	324.6
77.5°	207.3	213.8	254.2	324.6	438.0	663.5	430.2	310.3	254.2	208.6	212.5
80°	155.1	159.0	185.1	252.9	307.6	413.2	273.8	229.4	191.6	130.4	134.3
82.5°	112.1	112.1	121.2	183.8	187.7	222.9	148.6	161.6	126.4	92.6	92.6
85°	66.5	65.2	75.6	109.5	97.8	82.1	67.8	99.1	79.5	57.4	56.1
87.5°	23.5	24.8	23.5	31.3	26.1	22.2	20.9	27.4	22.2	19.6	18.3
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)