

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: P955184

Luminaire Tested: **GALN-SB8B-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955184
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-SB8B-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39416 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 292.8
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

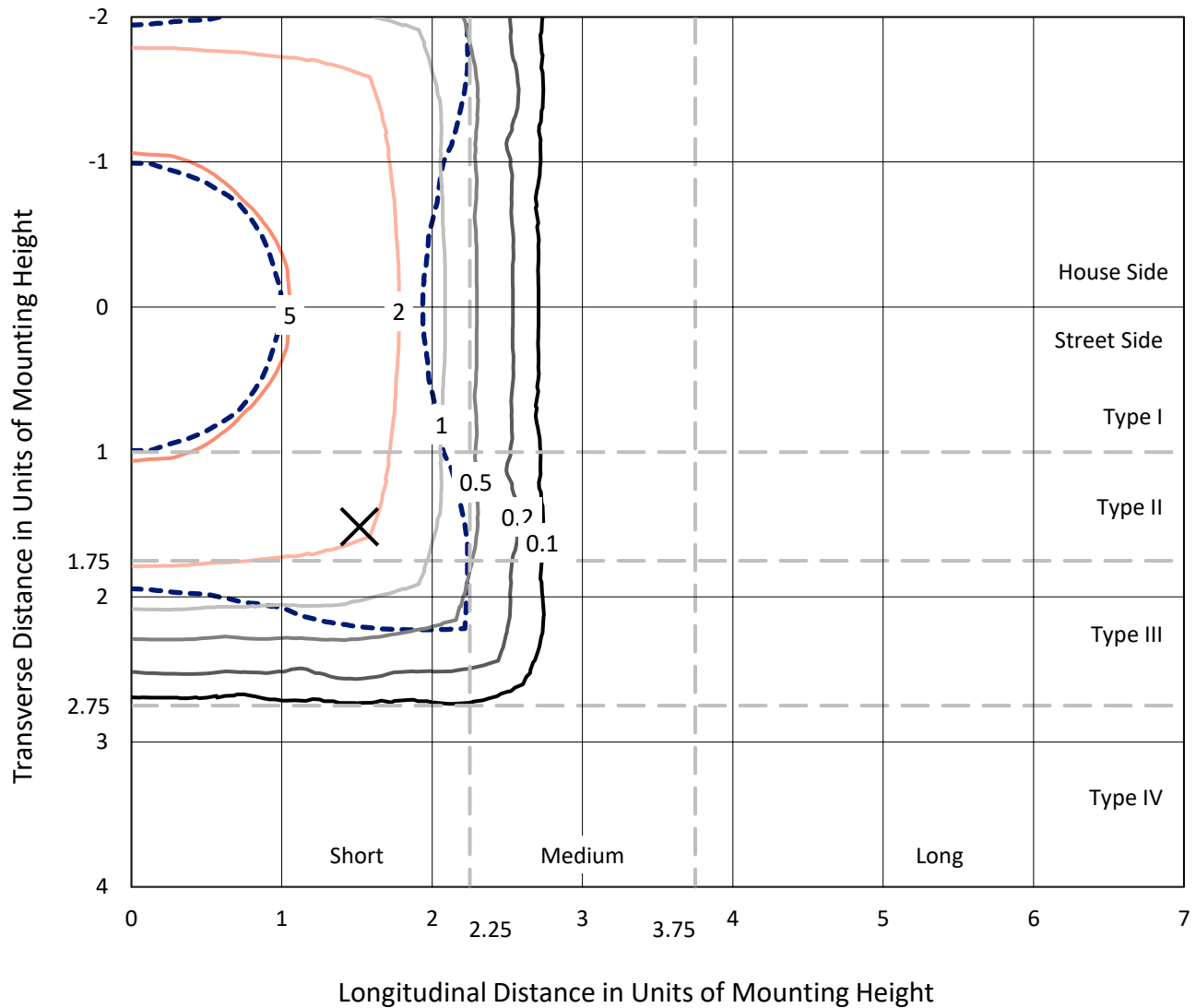


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
--- 1/2 Max cd

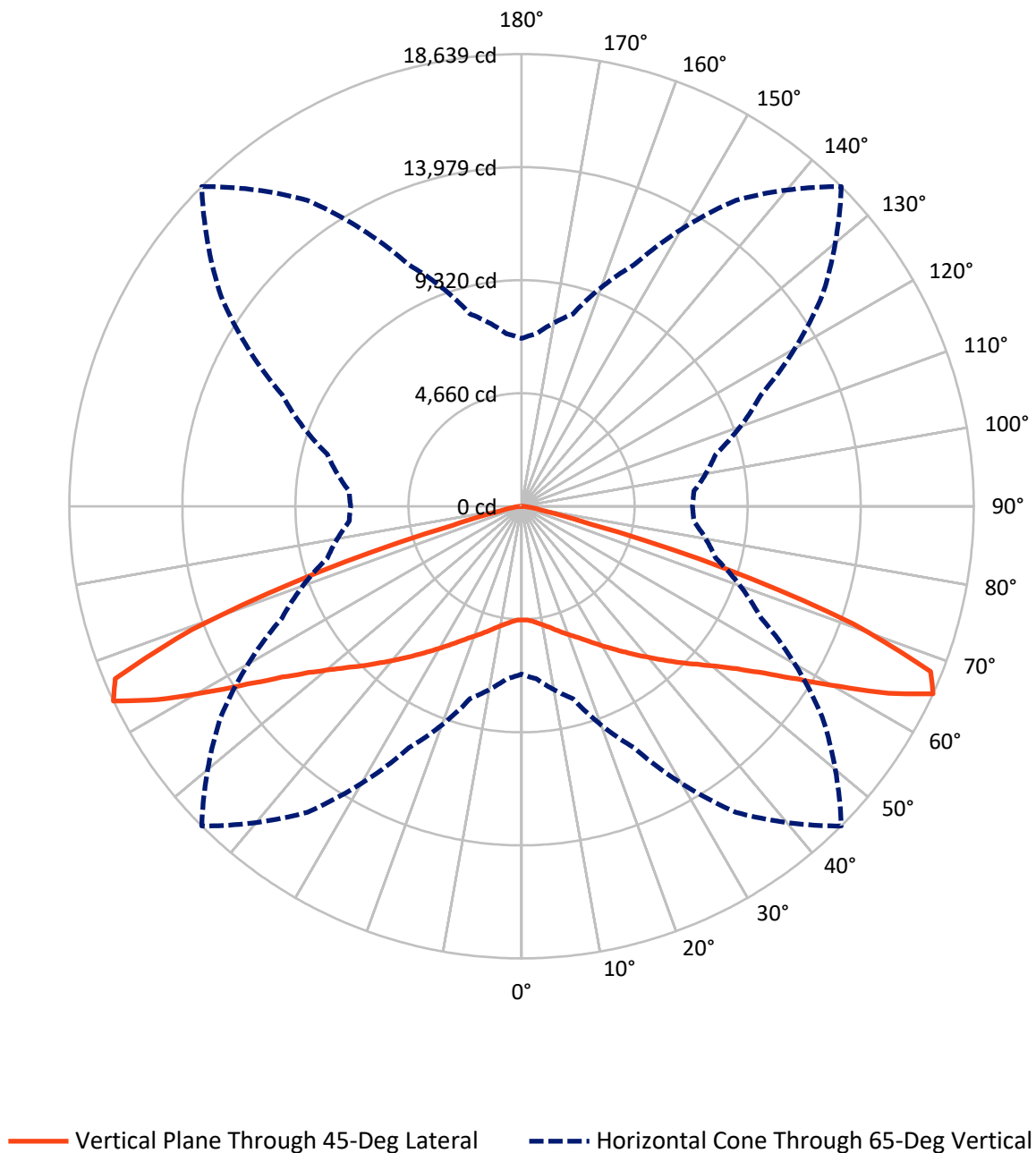


Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19708.0	0.0	19708.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19708.0	0.0	19708.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39416.0	0.0	39416.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.9	1.2
10°-20°	1510.6	3.8
20°-30°	2852.2	7.2
30°-40°	4670.4	11.8
40°-50°	7241.6	18.4
50°-60°	10697.3	27.1
60°-70°	10182.8	25.8
70°-80°	1643.1	4.2
80°-90°	154.9	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°	39416.0	100.0
0°-180°	39416.0	100.0

Coefficient of Utilization



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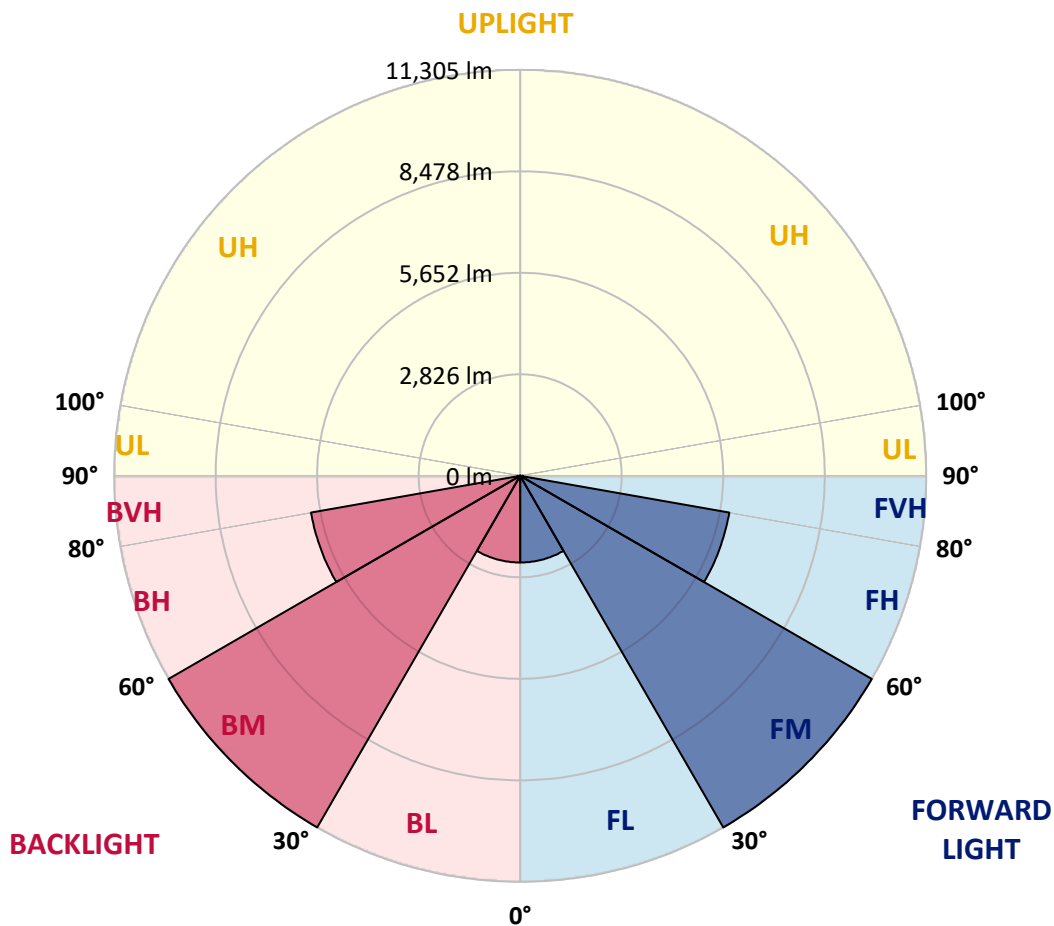
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2412.9	6.1			
FM	(30°-60°)	11304.7	28.7			
FH	(60°-80°)	5913.0	15.0			G3/7500
FVH	(80°-90°)	77.4	0.2			G1/100
BL	(0°-30°)	2412.9	6.1	B3/2500		
BM	(30°-60°)	11304.7	28.7	B5		
BH	(60°-80°)	5913.0	15.0	B5		G3/7500
BVH	(80°-90°)	77.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4690.9	4690.9	4690.9	4690.9	4690.9	4690.9	4690.9	4690.9	4690.9	4690.9	4690.9
2.5°	4722.5	4706.7	4718.6	4708.7	4700.8	4692.9	4696.8	4710.7	4716.6	4718.6	4718.6
5°	4785.8	4772.0	4777.9	4777.9	4764.1	4760.1	4762.1	4772.0	4783.8	4783.8	4783.8
7.5°	4888.7	4874.8	4888.7	4880.7	4868.9	4864.9	4863.0	4870.9	4888.7	4888.7	4882.7
10°	5013.2	4997.4	5005.3	5001.4	4987.5	4981.6	4979.6	4991.5	5007.3	5005.3	5001.4
12.5°	5149.7	5131.9	5141.8	5129.9	5126.0	5120.0	5120.0	5118.1	5128.0	5120.0	5124.0
15°	5302.0	5290.1	5294.1	5286.2	5292.1	5288.1	5272.3	5264.4	5268.4	5256.5	5258.5
17.5°	5481.9	5454.3	5468.1	5464.1	5464.1	5472.1	5446.3	5436.5	5444.4	5432.5	5442.4
20°	5689.6	5661.9	5667.8	5659.9	5650.0	5658.0	5626.3	5634.2	5640.2	5632.2	5650.0
22.5°	5917.0	5881.4	5879.4	5883.4	5861.6	5863.6	5841.9	5861.6	5873.5	5851.8	5873.5
25°	6150.4	6112.8	6138.5	6128.6	6100.9	6106.9	6091.0	6110.8	6120.7	6093.0	6124.7
27.5°	6397.6	6371.9	6395.6	6401.5	6367.9	6391.6	6367.9	6385.7	6395.6	6354.1	6385.7
30°	6686.3	6660.6	6682.4	6698.2	6658.6	6696.2	6676.4	6688.3	6690.3	6640.8	6670.5
32.5°	7000.8	6961.2	7016.6	7024.5	6981.0	7026.5	7000.8	7016.6	7026.5	6959.2	7004.7
35°	7384.4	7335.0	7398.3	7388.4	7350.8	7388.4	7364.6	7388.4	7412.1	7331.0	7380.5
37.5°	7797.7	7746.3	7813.5	7795.8	7760.2	7785.9	7772.0	7787.8	7825.4	7738.4	7791.8
40°	8252.6	8189.3	8280.3	8248.6	8215.0	8211.0	8219.0	8228.8	8278.3	8181.4	8213.0
42.5°	8739.1	8671.8	8808.3	8758.8	8711.4	8679.7	8705.5	8725.2	8772.7	8663.9	8721.3
45°	9294.8	9217.7	9395.6	9336.3	9261.2	9195.9	9237.4	9267.1	9336.3	9205.8	9273.0
47.5°	9907.8	9820.8	10010.7	9992.9	9870.3	9727.9	9822.8	9907.8	9959.3	9801.1	9854.4
50°	10507.1	10439.8	10689.0	10710.8	10560.5	10360.7	10493.2	10621.8	10635.6	10428.0	10453.7
52.5°	11068.7	11001.5	11363.4	11499.8	11365.3	11128.0	11268.4	11399.0	11294.1	11025.2	11033.1
55°	11517.6	11462.2	11923.0	12275.0	12320.5	12124.7	12207.8	12203.9	11859.7	11446.4	11460.3
57.5°	11626.4	11618.5	12199.9	12945.5	13420.1	13443.8	13279.7	12860.4	12118.8	11563.1	11527.5
60°	11132.0	11181.4	11980.4	13295.5	14561.2	15087.2	14377.2	13180.8	11824.1	11052.9	10961.9
62.5°	9652.7	9783.3	10746.3	12868.3	15482.7	16977.8	15257.3	12694.3	10613.8	9607.2	9547.9
65°	6917.7	7145.1	8209.1	10981.7	15399.7	18639.0	15130.7	10892.7	8288.2	7127.3	7042.3
67.5°	3138.5	3369.9	4273.6	7518.9	13386.5	18188.1	13354.8	7598.0	4487.2	3381.7	3332.3
70°	1137.1	1176.7	1467.4	3009.9	8555.2	14491.9	8921.0	3031.7	1560.3	1253.8	1238.0
72.5°	688.2	694.1	755.4	1077.8	2972.4	8798.4	3098.9	1113.4	771.3	684.3	696.1
75°	437.1	433.1	537.9	658.5	1054.1	2968.4	1105.5	658.5	535.9	488.5	492.4
77.5°	314.4	324.3	385.6	492.4	664.5	1006.6	652.6	470.7	385.6	316.4	322.4
80°	235.3	241.3	280.8	383.7	466.7	626.9	415.3	348.1	290.7	197.8	203.7
82.5°	170.1	170.1	183.9	278.8	284.8	338.2	225.4	245.2	191.8	140.4	140.4
85°	100.9	98.9	114.7	166.1	148.3	124.6	102.8	150.3	120.6	87.0	85.0
87.5°	35.6	37.6	35.6	47.5	39.6	33.6	31.6	41.5	33.6	29.7	27.7
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)