

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: P955183

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955183
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
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-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39392 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

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

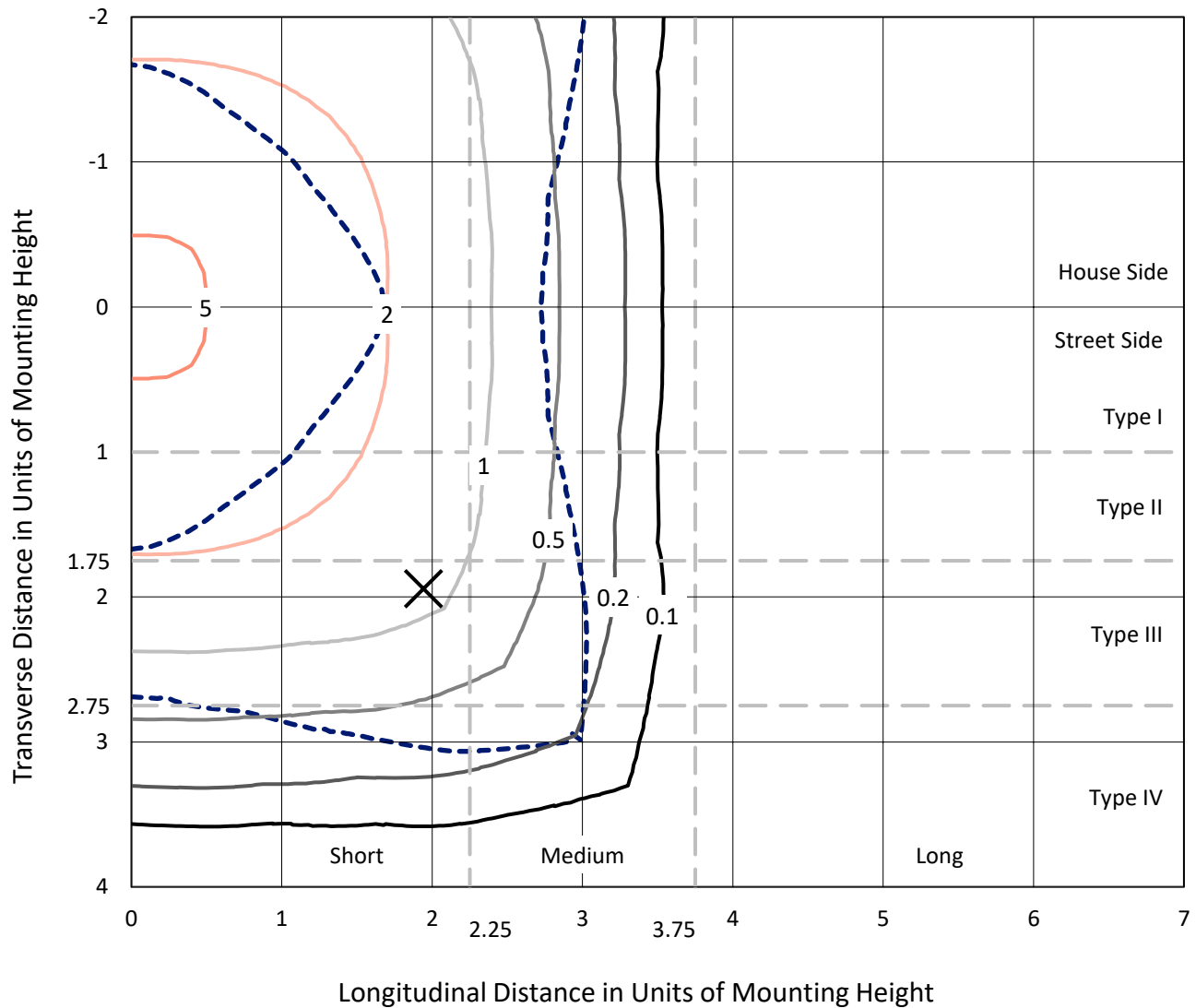


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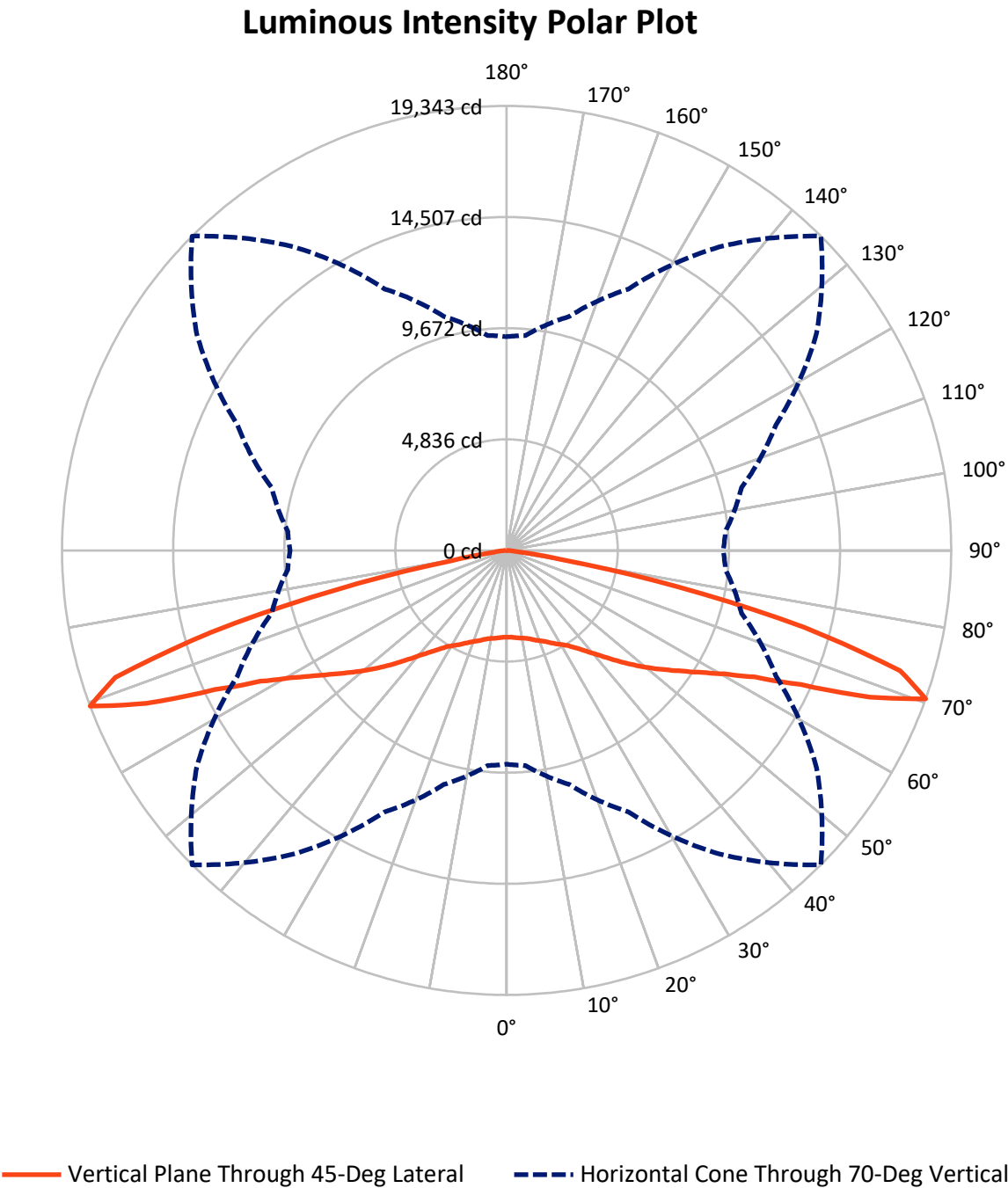
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
Type V - Short - N/A

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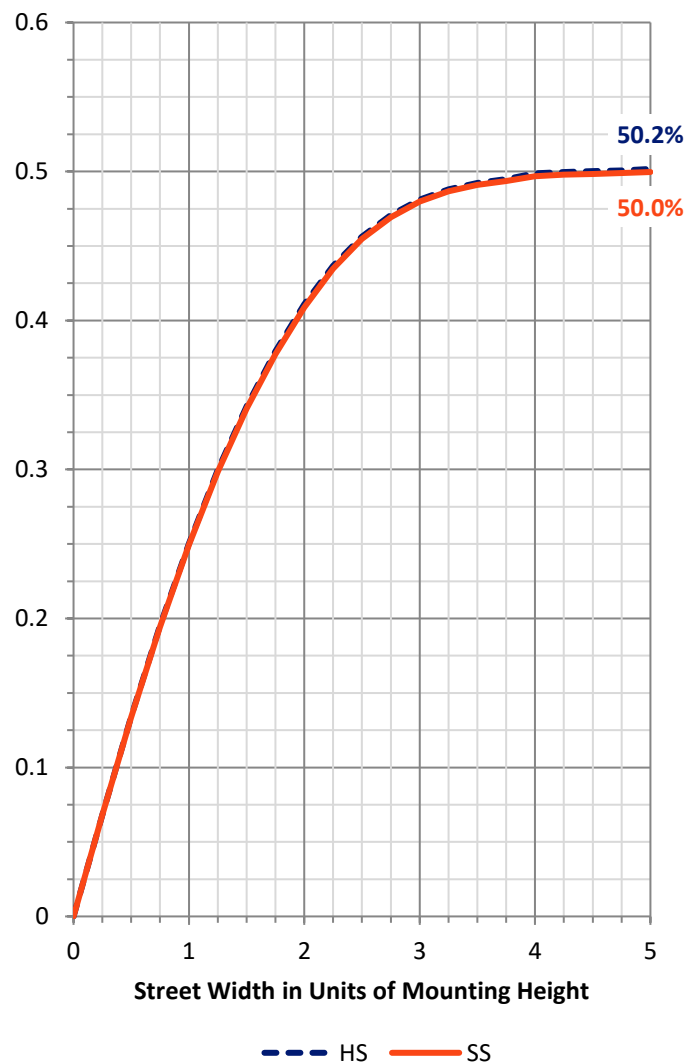
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19696.0	0.0	19696.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19696.0	0.0	19696.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39392.0	0.0	39392.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.6	0.9
10°-20°	1136.7	2.9
20°-30°	2031.5	5.2
30°-40°	3293.0	8.4
40°-50°	5363.7	13.6
50°-60°	8177.8	20.8
60°-70°	12166.0	30.9
70°-80°	6630.9	16.8
80°-90°	225.8	0.6
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°	39392.0	100.0
0°-180°	39392.0	100.0

Coefficient of Utilization



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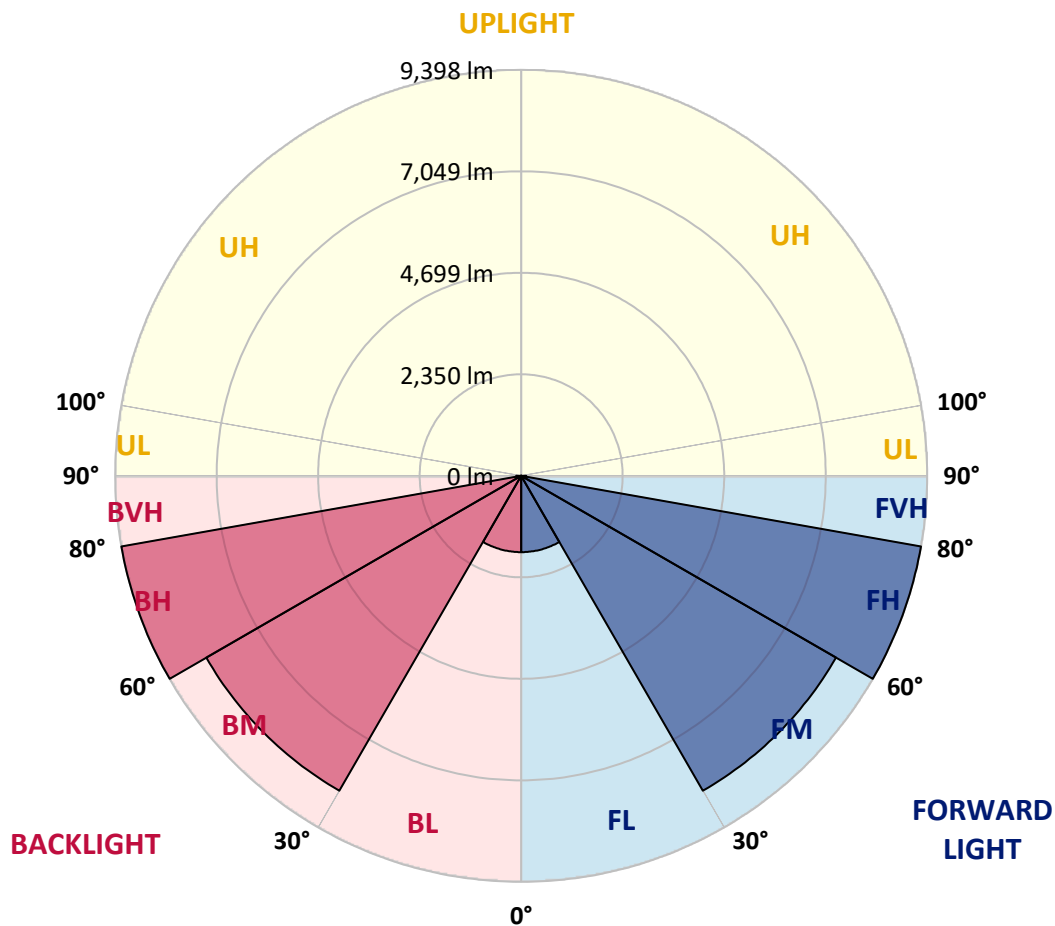
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1767.4	4.5			
FM	(30°-60°)	8417.3	21.4			
FH	(60°-80°)	9398.5	23.9			G4/12000
FVH	(80°-90°)	112.9	0.3			G2/225
BL	(0°-30°)	1767.4	4.5	B3/2500		
BM	(30°-60°)	8417.3	21.4	B4/8500		
BH	(60°-80°)	9398.5	23.9	B5		G4/12000
BVH	(80°-90°)	112.9	0.3			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°	90°
0°	3773.3	3773.3	3773.3	3773.3	3773.3	3773.3	3773.3	3773.3	3773.3	3773.3	3773.3
2.5°	3791.1	3795.1	3787.2	3783.2	3779.3	3773.3	3775.3	3785.2	3793.1	3791.1	3793.1
5°	3822.8	3826.7	3820.8	3818.8	3810.9	3808.9	3808.9	3818.8	3824.8	3820.8	3822.8
7.5°	3858.4	3864.3	3854.4	3852.5	3848.5	3844.5	3842.6	3852.5	3858.4	3858.4	3858.4
10°	3892.0	3897.9	3890.0	3884.1	3880.1	3880.1	3876.2	3884.1	3894.0	3892.0	3892.0
12.5°	3927.6	3931.6	3923.6	3919.7	3919.7	3925.6	3919.7	3923.6	3931.6	3927.6	3925.6
15°	3971.1	3973.1	3971.1	3977.0	3986.9	4006.7	3988.9	3985.0	3988.9	3979.0	3979.0
17.5°	4030.4	4034.4	4042.3	4056.1	4070.0	4105.6	4073.9	4064.1	4064.1	4044.3	4044.3
20°	4103.6	4109.5	4121.4	4145.1	4162.9	4196.6	4164.9	4151.1	4145.1	4119.4	4119.4
22.5°	4180.7	4190.6	4208.4	4240.1	4271.7	4303.4	4271.7	4248.0	4230.2	4196.6	4194.6
25°	4269.7	4281.6	4309.3	4360.7	4404.2	4449.7	4412.1	4364.7	4329.1	4281.6	4279.6
27.5°	4396.3	4410.1	4443.8	4507.1	4562.4	4602.0	4566.4	4505.1	4455.6	4398.3	4396.3
30°	4574.3	4588.1	4627.7	4694.9	4732.5	4758.2	4734.5	4687.0	4627.7	4562.4	4562.4
32.5°	4803.7	4821.5	4865.0	4928.3	4936.2	4940.2	4932.2	4908.5	4865.0	4785.9	4787.9
35°	5094.4	5114.2	5163.6	5215.0	5207.1	5215.0	5203.2	5195.3	5163.6	5072.7	5072.7
37.5°	5450.4	5474.1	5525.5	5565.1	5545.3	5535.4	5537.4	5539.4	5521.6	5420.7	5420.7
40°	5863.7	5895.4	5932.9	5974.5	5940.8	5911.2	5931.0	5946.8	5931.0	5828.1	5828.1
42.5°	6288.9	6334.4	6373.9	6433.3	6405.6	6368.0	6395.7	6413.5	6379.9	6269.1	6277.0
45°	6761.6	6805.1	6856.5	6945.5	6925.7	6886.2	6925.7	6929.7	6872.3	6741.8	6755.6
47.5°	7250.0	7295.5	7372.7	7491.3	7483.4	7439.9	7491.3	7463.6	7390.5	7234.2	7224.3
50°	7712.8	7776.1	7894.8	8060.9	8076.7	8023.3	8092.5	8039.1	7916.5	7720.7	7716.8
52.5°	8147.9	8215.1	8403.0	8628.5	8685.8	8616.6	8709.5	8616.6	8432.7	8181.5	8157.8
55°	8604.7	8679.9	8903.4	9198.0	9312.7	9261.3	9348.3	9207.9	8946.9	8642.3	8600.8
57.5°	9142.7	9188.1	9455.1	9805.2	9999.0	10010.8	10050.4	9813.1	9496.6	9150.6	9103.1
60°	9726.1	9789.3	10080.1	10499.3	10805.9	10904.7	10863.2	10511.2	10143.3	9745.8	9682.5
62.5°	10473.6	10542.8	10890.9	11393.2	11877.7	12123.0	11960.8	11450.6	10995.7	10519.1	10436.0
65°	11092.6	11169.7	11798.6	12694.5	13576.5	14069.0	13661.6	12722.2	11903.4	11231.0	11120.3
67.5°	10643.7	10738.6	11725.5	13370.9	15564.1	17033.5	15639.2	13572.6	11968.7	11057.0	10920.6
70°	9302.8	9391.8	10542.8	12554.1	16123.7	19343.3	16459.9	12923.9	10580.4	9559.9	9423.5
72.5°	6176.2	6462.9	7627.8	10040.5	14397.3	17899.7	14539.6	9836.8	7076.0	6162.3	5962.6
75°	2048.8	2278.2	3073.3	5205.2	9643.0	13386.7	9180.2	4605.9	2434.5	1752.2	1657.3
77.5°	516.2	595.3	820.7	1489.2	3846.5	7621.8	3462.9	1216.3	662.5	462.8	413.3
80°	251.2	276.9	395.5	496.4	963.1	2422.6	903.8	466.7	312.5	241.3	221.5
82.5°	138.4	140.4	223.5	280.8	358.0	626.9	371.8	272.9	180.0	146.3	146.3
85°	85.0	83.1	118.7	150.3	150.3	223.5	178.0	150.3	102.8	91.0	94.9
87.5°	33.6	33.6	43.5	47.5	41.5	57.4	45.5	49.4	39.6	37.6	39.6
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)