

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: P956254

Luminaire Tested: **GALN-SB9A-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956254
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-SB9A-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35347 lumens
Efficiency: N/A
Efficacy: 138.3 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): 255.5
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

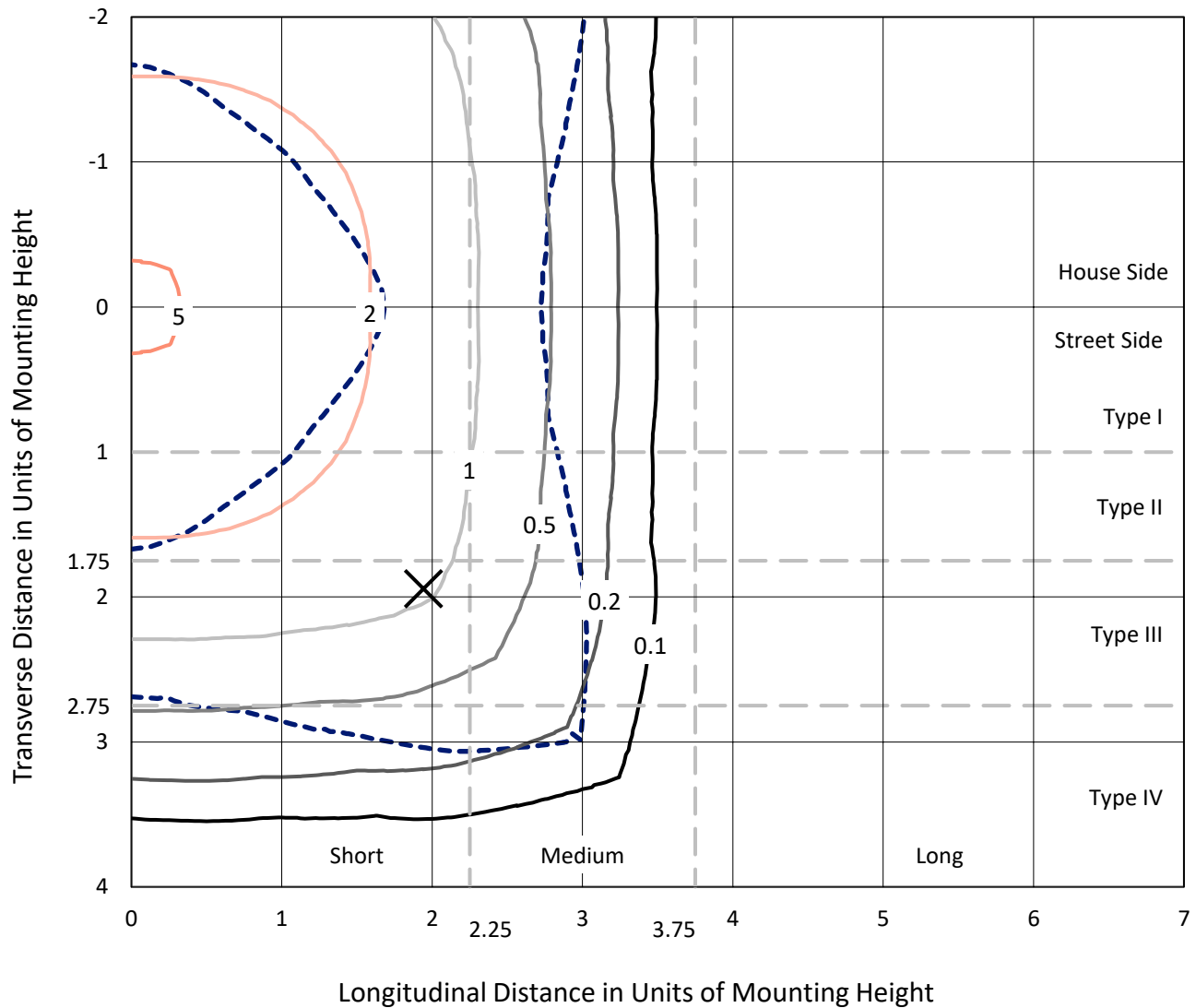


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

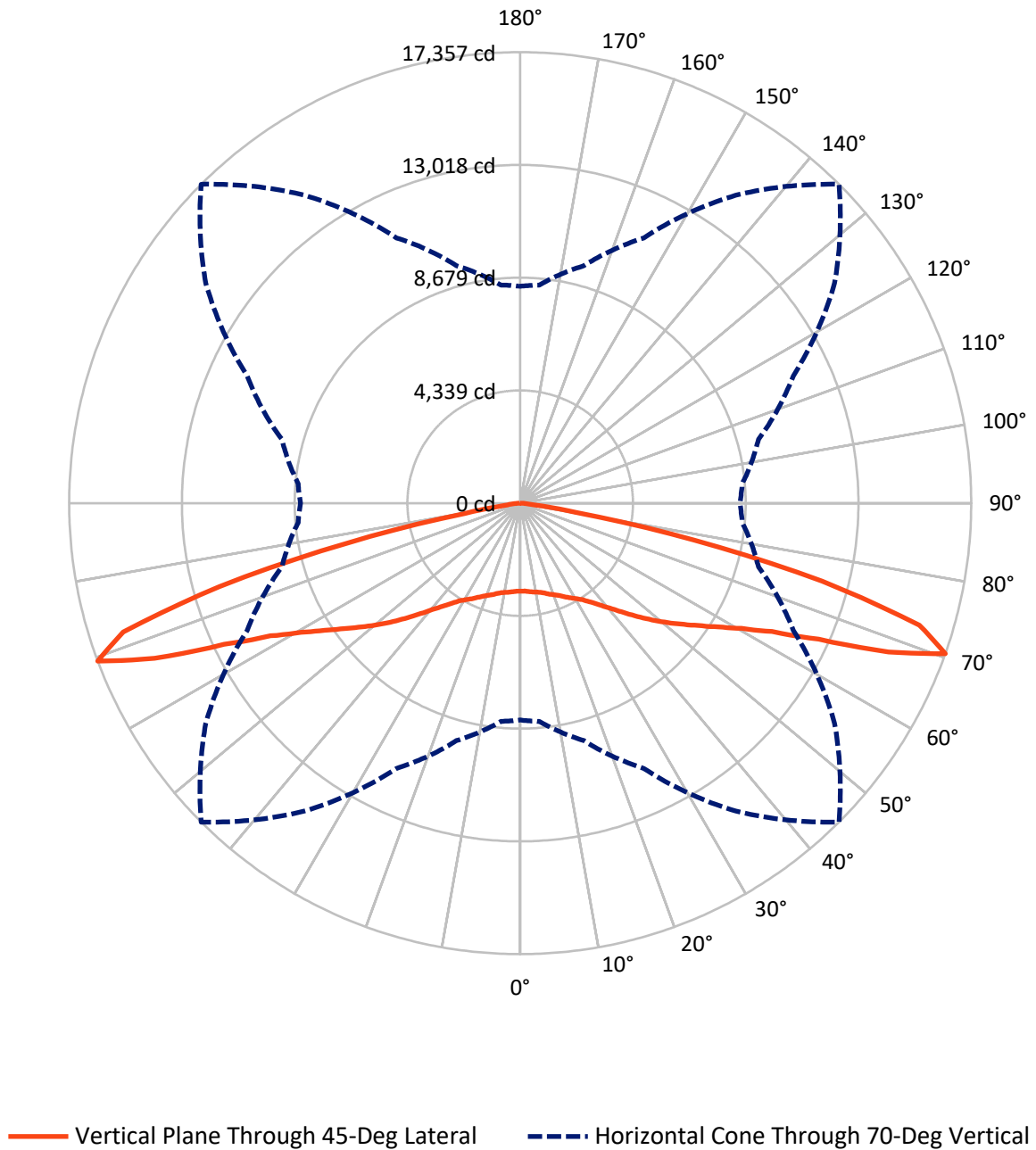


Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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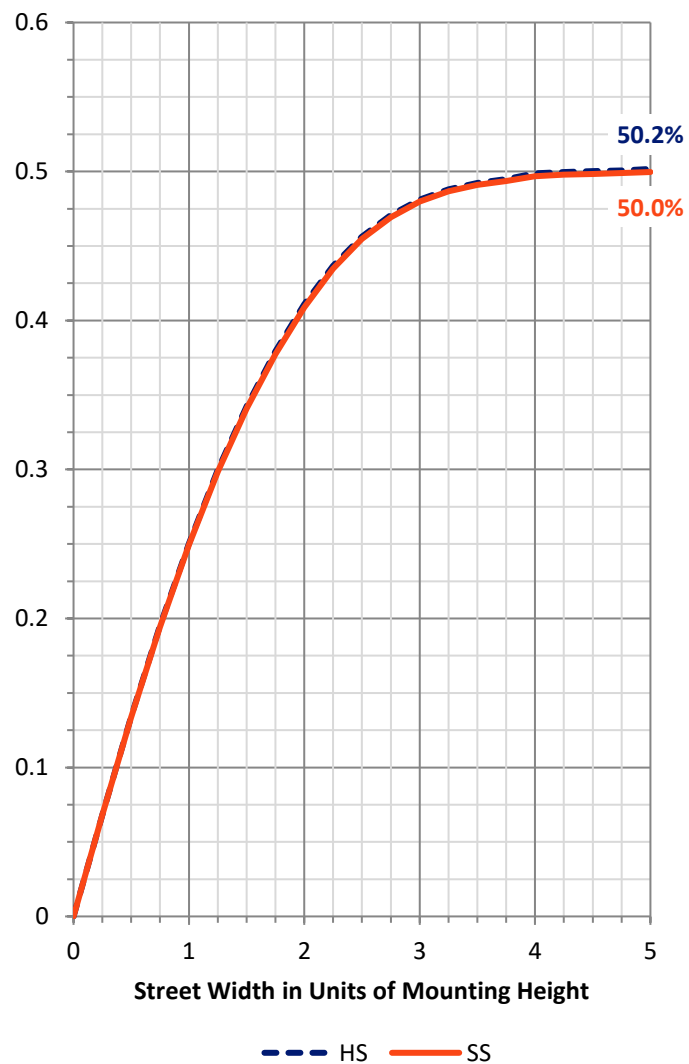
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17673.5	0.0	17673.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17673.5	0.0	17673.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35347.0	0.0	35347.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.9	0.9
10°-20°	1020.0	2.9
20°-30°	1822.9	5.2
30°-40°	2954.8	8.4
40°-50°	4812.9	13.6
50°-60°	7338.1	20.8
60°-70°	10916.8	30.9
70°-80°	5950.0	16.8
80°-90°	202.6	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°	35347.0	100.0
0°-180°	35347.0	100.0

Coefficient of Utilization



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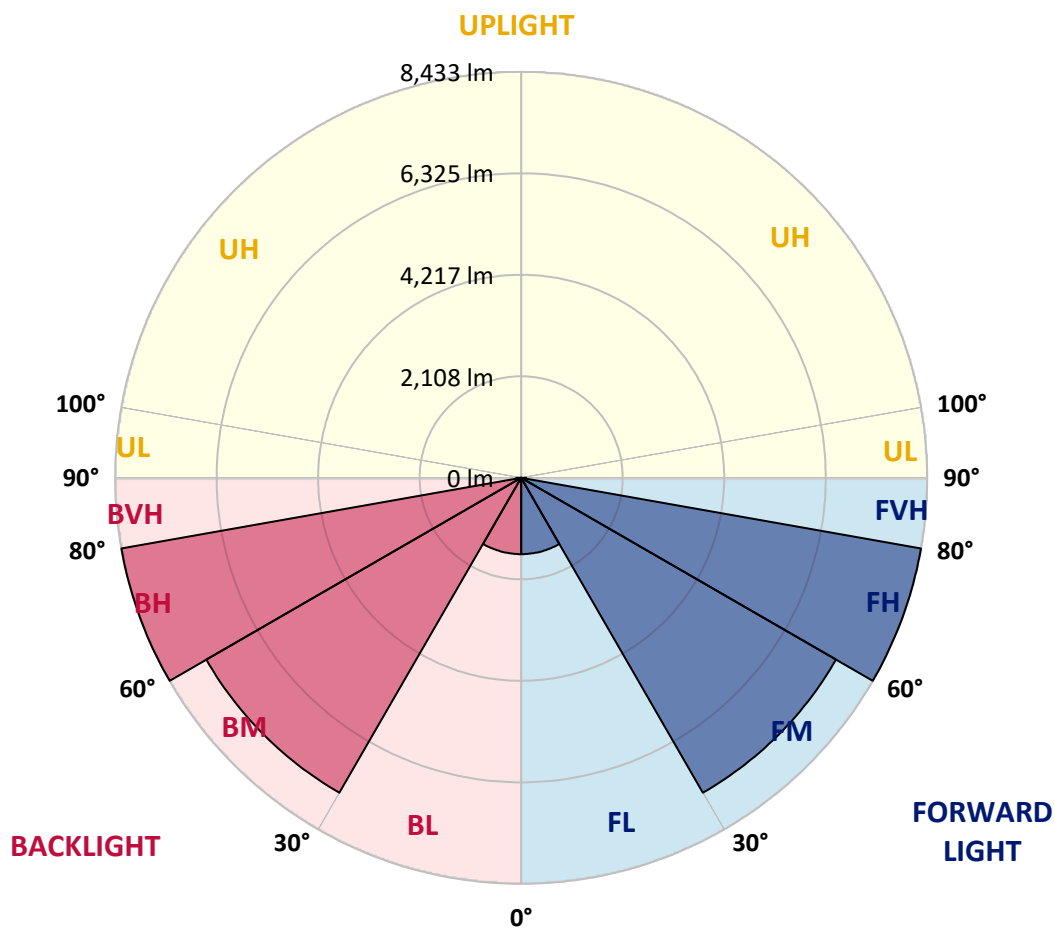
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1585.9	4.5			
FM	(30°-60°)	7552.9	21.4			
FH	(60°-80°)	8433.4	23.9			G4/12000
FVH	(80°-90°)	101.3	0.3			G2/225
BL	(0°-30°)	1585.9	4.5	B3/2500		
BM	(30°-60°)	7552.9	21.4	B4/8500		
BH	(60°-80°)	8433.4	23.9	B5		G4/12000
BVH	(80°-90°)	101.3	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°	3385.9	3385.9	3385.9	3385.9	3385.9	3385.9	3385.9	3385.9	3385.9	3385.9	3385.9
2.5°	3401.8	3405.4	3398.3	3394.7	3391.2	3385.9	3387.7	3396.5	3403.6	3401.8	3403.6
5°	3430.2	3433.8	3428.5	3426.7	3419.6	3417.8	3417.8	3426.7	3432.0	3428.5	3430.2
7.5°	3462.2	3467.5	3458.6	3456.9	3453.3	3449.8	3448.0	3456.9	3462.2	3462.2	3462.2
10°	3492.4	3497.7	3490.6	3485.3	3481.7	3481.7	3478.2	3485.3	3494.1	3492.4	3492.4
12.5°	3524.3	3527.8	3520.7	3517.2	3517.2	3522.5	3517.2	3520.7	3527.8	3524.3	3522.5
15°	3563.3	3565.1	3563.3	3568.7	3577.5	3595.3	3579.3	3575.8	3579.3	3570.4	3570.4
17.5°	3616.6	3620.1	3627.2	3639.6	3652.1	3684.0	3655.6	3646.7	3646.7	3629.0	3629.0
20°	3682.2	3687.6	3698.2	3719.5	3735.5	3765.6	3737.2	3724.8	3719.5	3696.4	3696.4
22.5°	3751.4	3760.3	3776.3	3804.7	3833.1	3861.5	3833.1	3811.8	3795.8	3765.6	3763.9
25°	3831.3	3841.9	3866.8	3912.9	3952.0	3992.8	3959.1	3916.5	3884.5	3841.9	3840.2
27.5°	3944.9	3957.3	3987.5	4044.2	4093.9	4129.4	4097.5	4042.5	3998.1	3946.6	3944.9
30°	4104.6	4117.0	4152.5	4212.8	4246.5	4269.6	4248.3	4205.7	4152.5	4093.9	4093.9
32.5°	4310.4	4326.4	4365.4	4422.2	4429.3	4432.9	4425.8	4404.5	4365.4	4294.5	4296.2
35°	4571.3	4589.0	4633.4	4679.5	4672.4	4679.5	4668.9	4661.8	4633.4	4551.8	4551.8
37.5°	4890.7	4912.0	4958.1	4993.6	4975.9	4967.0	4968.8	4970.6	4954.6	4864.1	4864.1
40°	5261.6	5290.0	5323.7	5361.0	5330.8	5304.2	5321.9	5336.1	5321.9	5229.7	5229.7
42.5°	5643.1	5683.9	5719.4	5772.7	5747.8	5714.1	5739.0	5754.9	5724.8	5625.4	5632.5
45°	6067.2	6106.3	6152.4	6232.3	6214.5	6179.0	6214.5	6218.1	6166.6	6049.5	6061.9
47.5°	6505.6	6546.4	6615.6	6722.1	6715.0	6675.9	6722.1	6697.2	6631.6	6491.4	6482.5
50°	6920.8	6977.6	7084.1	7233.1	7247.3	7199.4	7261.5	7213.6	7103.6	6927.9	6924.4
52.5°	7311.2	7371.6	7540.1	7742.4	7793.9	7731.8	7815.2	7731.8	7566.8	7341.4	7320.1
55°	7721.1	7788.6	7989.1	8253.5	8356.4	8310.3	8388.4	8262.4	8028.1	7754.9	7717.6
57.5°	8203.8	8244.6	8484.2	8798.3	8972.2	8982.9	9018.4	8805.4	8521.5	8210.9	8168.3
60°	8727.3	8784.1	9045.0	9421.2	9696.2	9785.0	9747.7	9431.8	9101.8	8745.1	8688.3
62.5°	9398.1	9460.2	9772.5	10223.3	10658.1	10878.1	10732.6	10274.8	9866.6	9438.9	9364.4
65°	9953.6	10022.8	10587.1	11391.0	12182.4	12624.3	12258.7	11415.8	10681.1	10077.8	9978.4
67.5°	9550.7	9635.9	10521.4	11997.9	13965.9	15284.4	14033.3	12178.9	10739.7	9921.6	9799.2
70°	8347.6	8427.4	9460.2	11265.0	14468.1	17357.1	14769.7	11596.8	9493.9	8578.3	8455.8
72.5°	5542.0	5799.3	6844.5	9009.5	12918.9	16061.6	13046.6	8826.7	6349.4	5529.6	5350.3
75°	1838.5	2044.3	2757.7	4670.7	8652.8	12012.1	8237.5	4133.0	2184.5	1572.3	1487.1
77.5°	463.2	534.1	736.4	1336.3	3451.5	6839.2	3107.3	1091.4	594.5	415.2	370.9
80°	225.4	248.4	354.9	445.4	864.2	2173.8	811.0	418.8	280.4	216.5	198.8
82.5°	124.2	126.0	200.5	252.0	321.2	562.5	333.6	244.9	161.5	131.3	131.3
85°	76.3	74.5	106.5	134.9	134.9	200.5	159.7	134.9	92.3	81.6	85.2
87.5°	30.2	30.2	39.0	42.6	37.3	51.5	40.8	44.4	35.5	33.7	35.5
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)