

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: P954827

Luminaire Tested: **GALN-SB8A-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954827
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-SB8A-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31399 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 - G2

Input Watts (W): 227.1
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

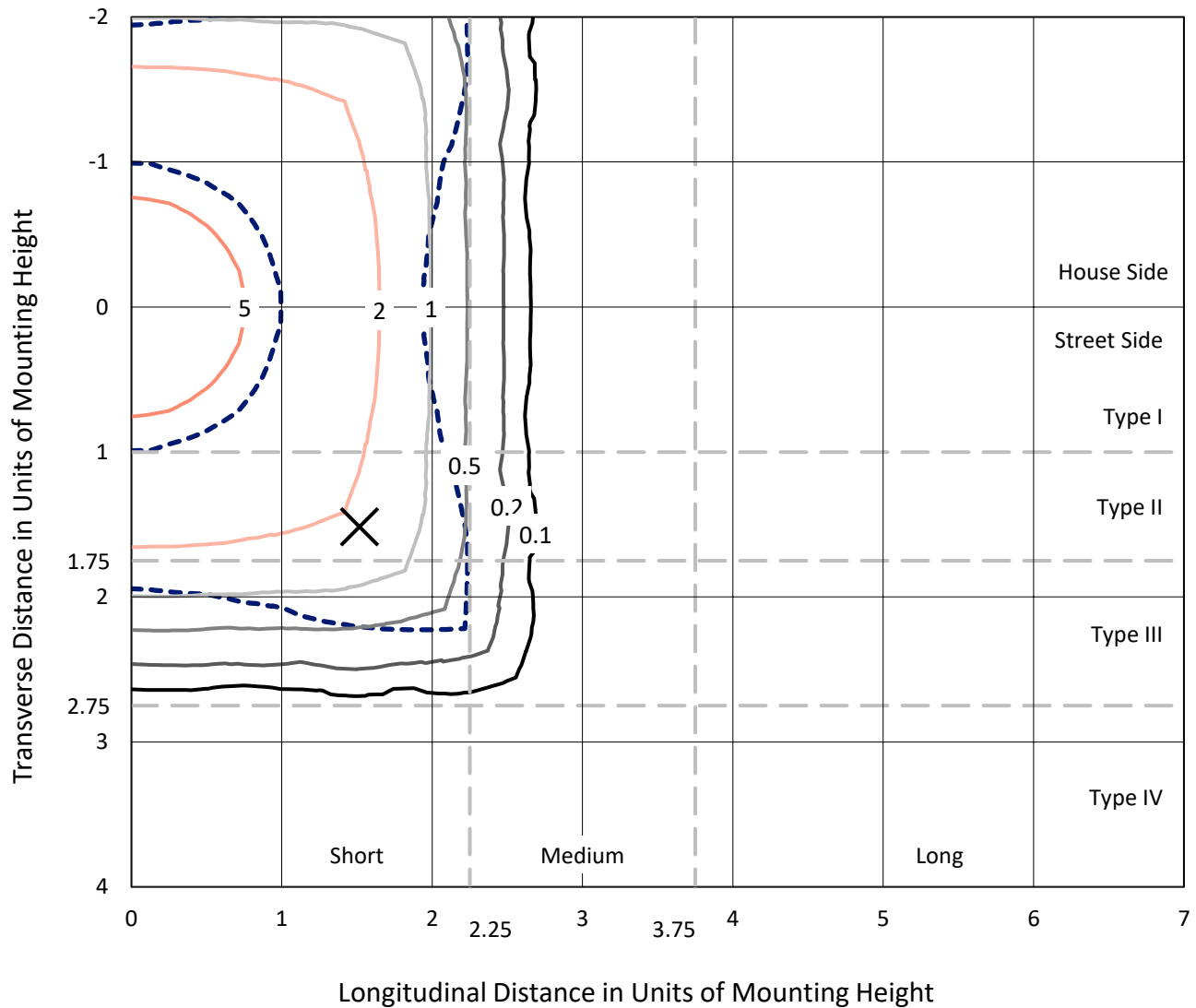


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

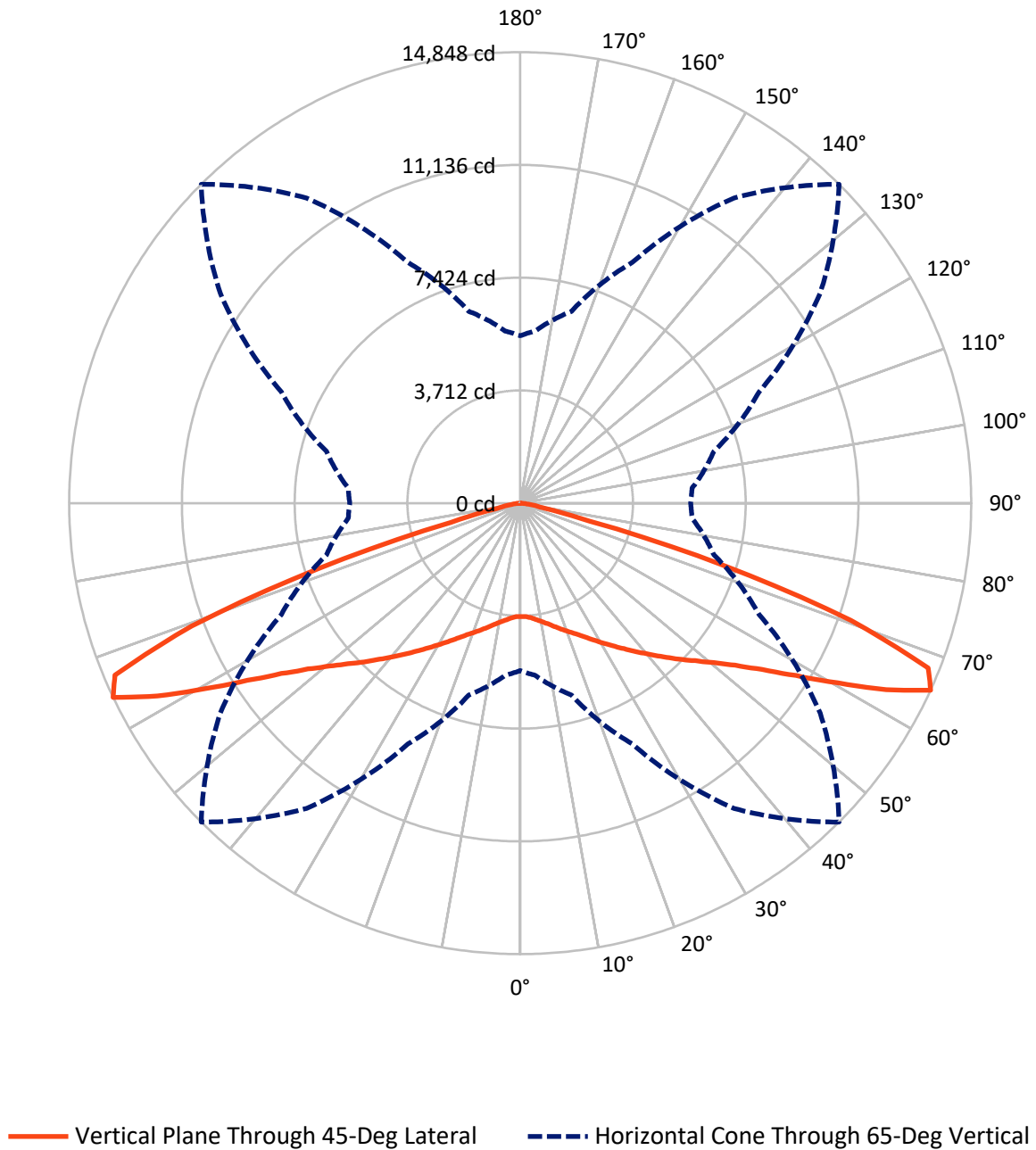


Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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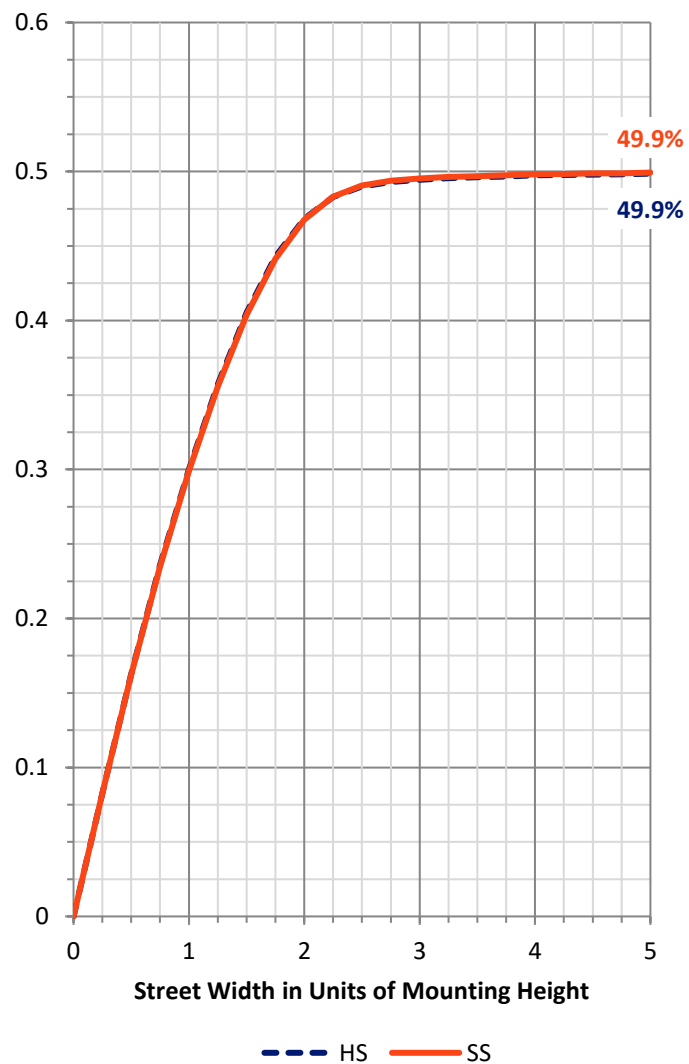
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15699.5	0.0	15699.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15699.5	0.0	15699.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31399.0	0.0	31399.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.8	1.2
10°-20°	1203.4	3.8
20°-30°	2272.1	7.2
30°-40°	3720.5	11.8
40°-50°	5768.7	18.4
50°-60°	8521.5	27.1
60°-70°	8111.7	25.8
70°-80°	1308.9	4.2
80°-90°	123.4	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°	31399.0	100.0
0°-180°	31399.0	100.0

Coefficient of Utilization



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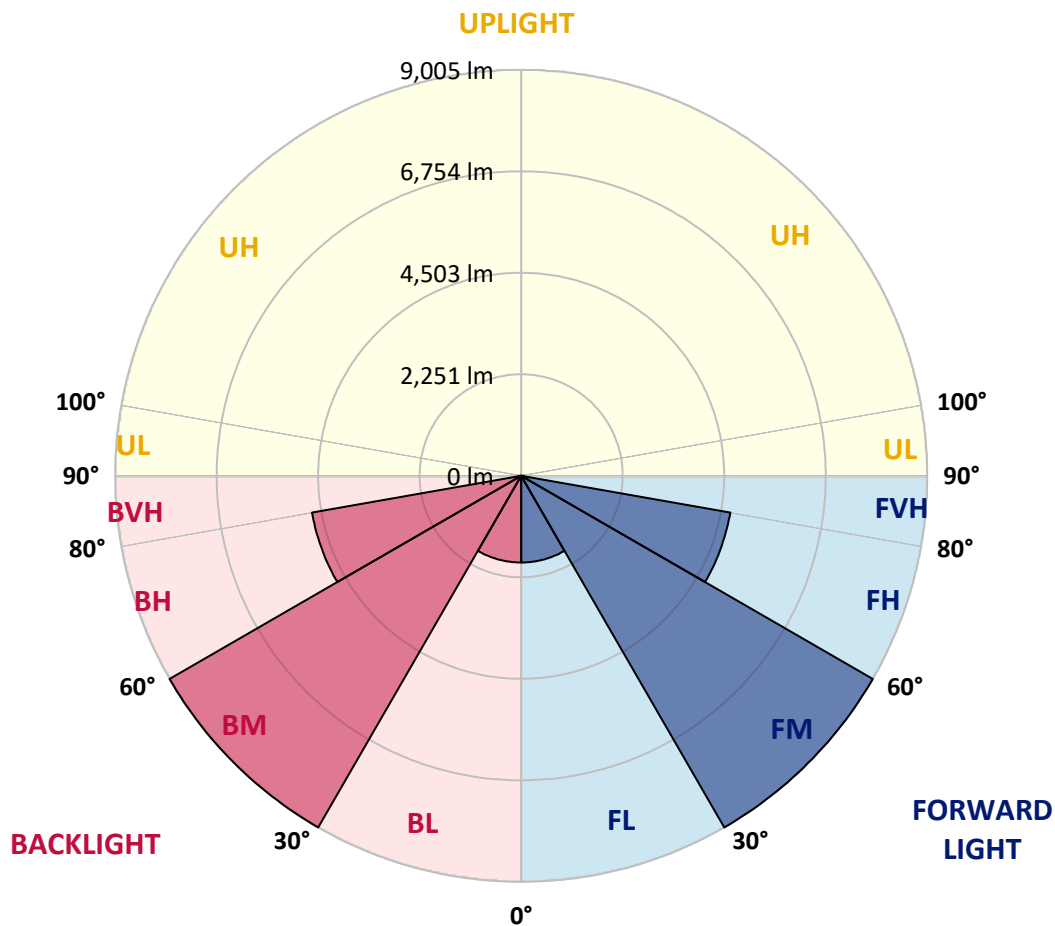
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1922.1	6.1			
FM	(30°-60°)	9005.3	28.7			
FH	(60°-80°)	4710.3	15.0			G2/5000
FVH	(80°-90°)	61.7	0.2			G1/100
BL	(0°-30°)	1922.1	6.1	B3/2500		
BM	(30°-60°)	9005.3	28.7	B5		
BH	(60°-80°)	4710.3	15.0	B4/5000		G2/5000
BVH	(80°-90°)	61.7	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-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3736.8	3736.8	3736.8	3736.8	3736.8	3736.8	3736.8	3736.8	3736.8	3736.8	3736.8
2.5°	3762.0	3749.4	3758.9	3751.0	3744.7	3738.4	3741.5	3752.5	3757.3	3758.9	3758.9
5°	3812.4	3801.4	3806.1	3806.1	3795.1	3791.9	3793.5	3801.4	3810.8	3810.8	3810.8
7.5°	3894.3	3883.3	3894.3	3888.0	3878.6	3875.4	3873.9	3880.2	3894.3	3894.3	3889.6
10°	3993.6	3981.0	3987.3	3984.1	3973.1	3968.4	3966.8	3976.3	3988.9	3987.3	3984.1
12.5°	4102.3	4088.1	4096.0	4086.5	4083.4	4078.7	4078.7	4077.1	4085.0	4078.7	4081.8
15°	4223.6	4214.1	4217.3	4211.0	4215.7	4212.6	4200.0	4193.7	4196.8	4187.4	4188.9
17.5°	4366.9	4344.9	4355.9	4352.8	4352.8	4359.1	4338.6	4330.7	4337.0	4327.6	4335.4
20°	4532.4	4510.3	4515.0	4508.7	4500.9	4507.2	4481.9	4488.3	4493.0	4486.7	4500.9
22.5°	4713.5	4685.2	4683.6	4686.7	4669.4	4671.0	4653.7	4669.4	4678.9	4661.5	4678.9
25°	4899.4	4869.5	4890.0	4882.1	4860.0	4864.8	4852.2	4867.9	4875.8	4853.7	4878.9
27.5°	5096.3	5075.9	5094.8	5099.5	5072.7	5091.6	5072.7	5086.9	5094.8	5061.7	5086.9
30°	5326.4	5305.9	5323.2	5335.8	5304.3	5334.2	5318.5	5327.9	5329.5	5290.1	5313.7
32.5°	5576.8	5545.3	5589.4	5595.7	5561.1	5597.3	5576.8	5589.4	5597.3	5543.8	5580.0
35°	5882.5	5843.1	5893.5	5885.6	5855.7	5885.6	5866.7	5885.6	5904.5	5839.9	5879.3
37.5°	6211.7	6170.8	6224.3	6210.1	6181.8	6202.3	6191.2	6203.8	6233.8	6164.5	6207.0
40°	6574.0	6523.6	6596.1	6570.9	6544.1	6541.0	6547.3	6555.1	6594.5	6517.3	6542.5
42.5°	6961.6	6908.0	7016.7	6977.3	6939.5	6914.3	6934.8	6950.6	6988.4	6901.7	6947.4
45°	7404.3	7342.8	7484.6	7437.4	7377.5	7325.5	7358.6	7382.2	7437.4	7333.4	7386.9
47.5°	7892.6	7823.3	7974.6	7960.4	7862.7	7749.3	7824.9	7892.6	7933.6	7807.6	7850.1
50°	8370.0	8316.4	8514.9	8532.2	8412.5	8253.4	8359.0	8461.4	8472.4	8307.0	8327.4
52.5°	8817.4	8763.8	9052.1	9160.8	9053.7	8864.6	8976.5	9080.5	8997.0	8782.7	8789.0
55°	9175.0	9130.9	9497.9	9778.4	9814.6	9658.6	9724.8	9721.7	9447.5	9118.3	9129.3
57.5°	9261.6	9255.3	9718.5	10312.4	10690.5	10709.4	10578.7	10244.7	9653.9	9211.2	9182.9
60°	8867.8	8907.2	9543.6	10591.3	11599.5	12018.6	11453.0	10499.9	9419.2	8804.8	8732.3
62.5°	7689.4	7793.4	8560.6	10251.0	12333.6	13524.6	12154.0	10112.3	8455.1	7653.2	7605.9
65°	5510.7	5691.8	6539.4	8748.1	12267.5	14847.9	12053.2	8677.2	6602.4	5677.7	5609.9
67.5°	2500.1	2684.4	3404.4	5989.6	10663.7	14488.7	10638.5	6052.6	3574.5	2693.9	2654.5
70°	905.8	937.3	1168.9	2397.7	6815.1	11544.4	7106.5	2415.1	1243.0	998.8	986.2
72.5°	548.2	553.0	601.8	858.6	2367.8	7008.9	2468.6	886.9	614.4	545.1	554.5
75°	348.2	345.0	428.5	524.6	839.7	2364.6	880.6	524.6	426.9	389.1	392.3
77.5°	250.5	258.4	307.2	392.3	529.3	801.9	519.9	374.9	307.2	252.1	256.8
80°	187.5	192.2	223.7	305.6	371.8	499.4	330.8	277.3	231.6	157.5	162.3
82.5°	135.5	135.5	146.5	222.1	226.9	269.4	179.6	195.3	152.8	111.9	111.9
85°	80.3	78.8	91.4	132.3	118.2	99.2	81.9	119.7	96.1	69.3	67.7
87.5°	28.4	29.9	28.4	37.8	31.5	26.8	25.2	33.1	26.8	23.6	22.1
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)