

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: P943810

Luminaire Tested: **GALN-SB8C-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8C-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50602 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 399.8
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

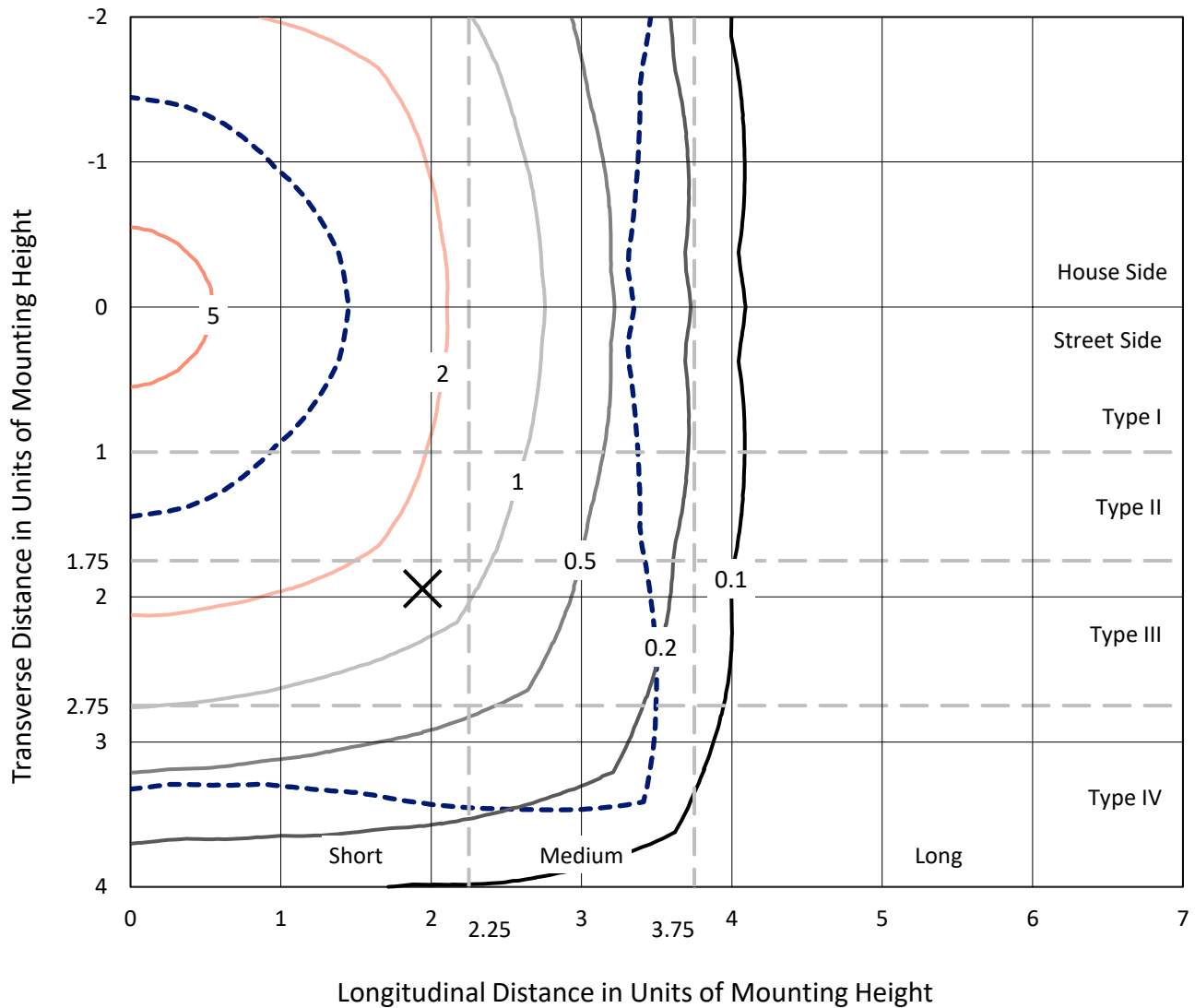


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

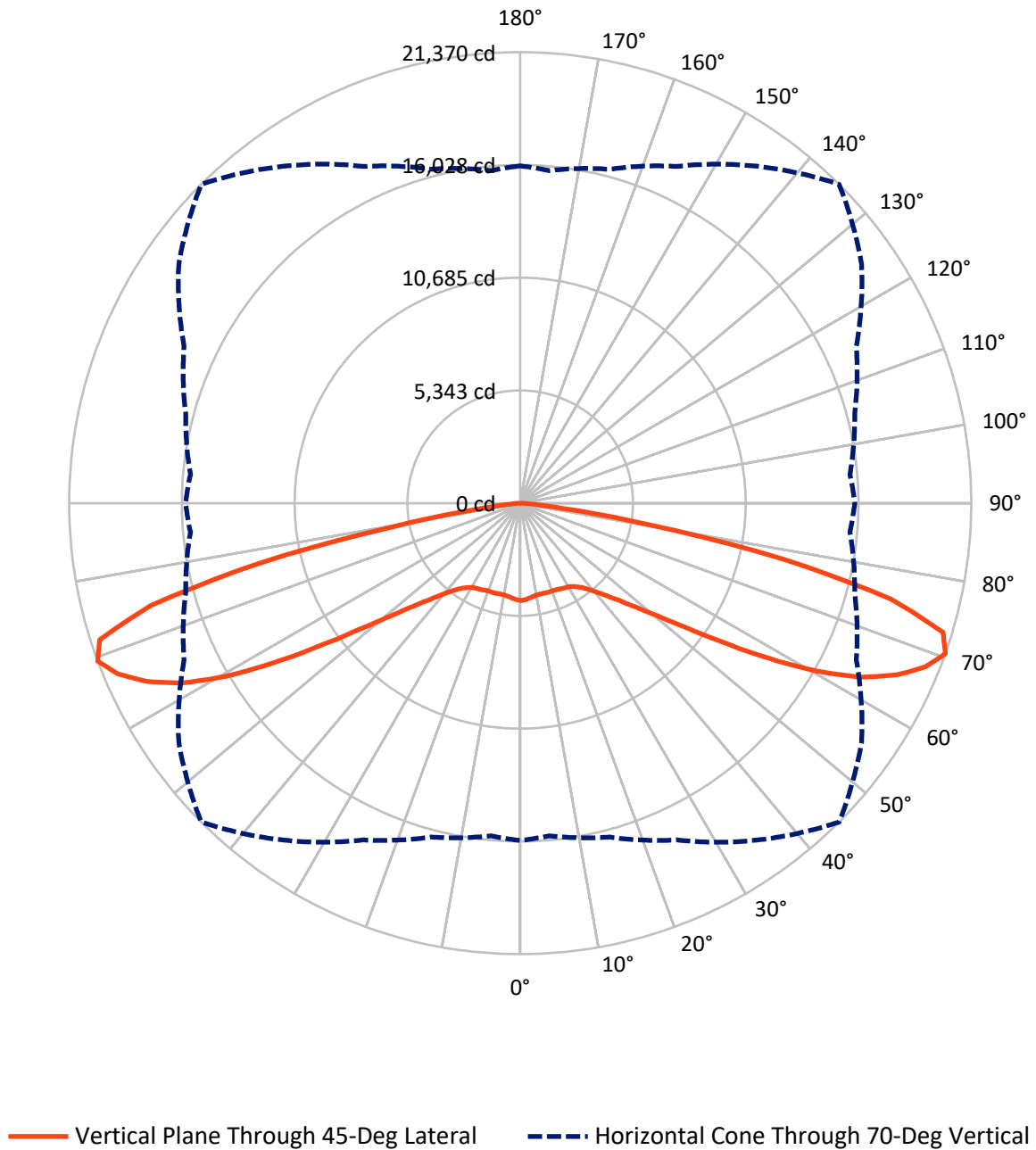


Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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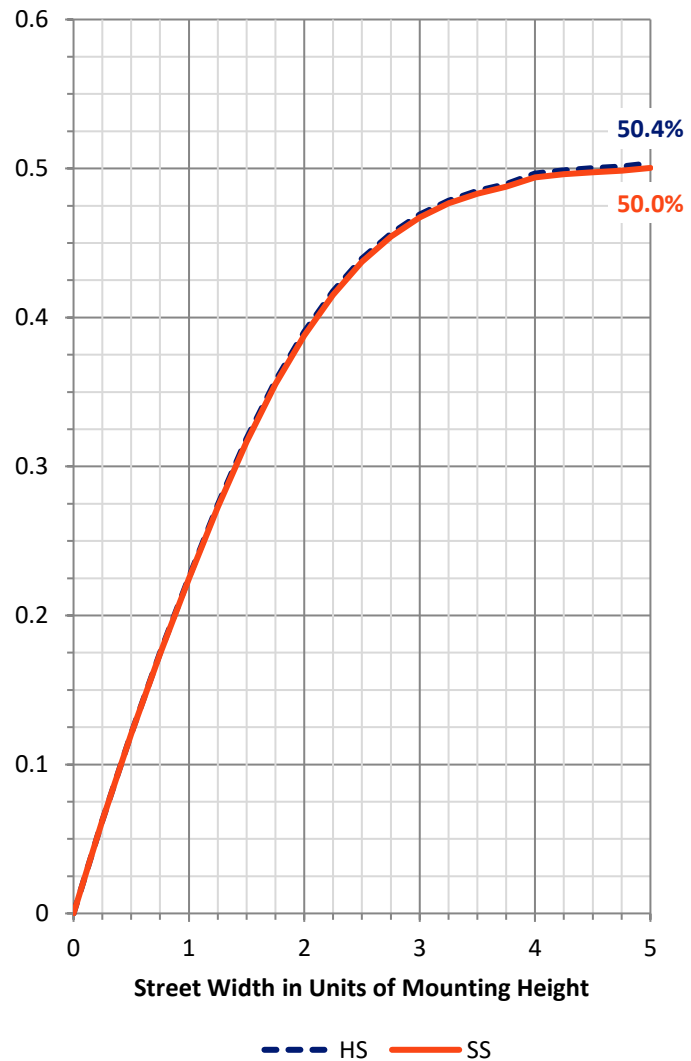
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25301.0	0.0	25301.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25301.0	0.0	25301.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	50602.0	0.0	50602.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.4	0.8
10°-20°	1260.8	2.5
20°-30°	2098.1	4.1
30°-40°	3173.0	6.3
40°-50°	5272.8	10.4
50°-60°	9949.6	19.7
60°-70°	16800.3	33.2
70°-80°	11039.5	21.8
80°-90°	578.4	1.1
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°	50602.0	100.0
0°-180°	50602.0	100.0

Coefficient of Utilization



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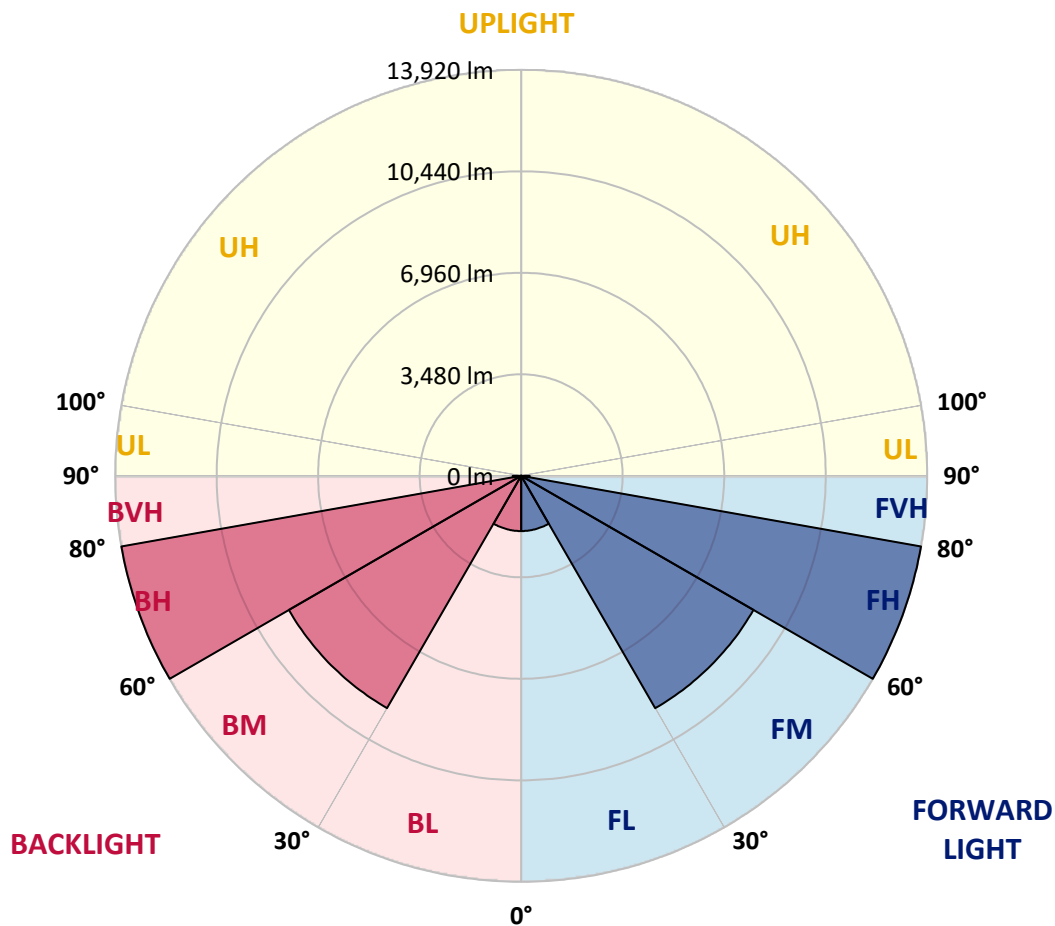
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1894.2	3.7			
FM	(30°-60°)	9197.7	18.2			
FH	(60°-80°)	13919.9	27.5			G5
FVH	(80°-90°)	289.2	0.6			G3/500
BL	(0°-30°)	1894.2	3.7	B3/2500		
BM	(30°-60°)	9197.7	18.2	B5		
BH	(60°-80°)	13919.9	27.5	B5		G5
BVH	(80°-90°)	289.2	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4615.9	4615.9	4615.9	4615.9	4615.9	4615.9	4615.9	4615.9	4615.9	4615.9	4615.9
2.5°	4587.0	4600.1	4594.9	4584.4	4584.4	4576.5	4584.4	4589.6	4597.5	4602.8	4600.1
5°	4526.5	4537.0	4534.4	4526.5	4529.1	4521.2	4526.5	4534.4	4539.6	4542.3	4542.3
7.5°	4473.9	4484.4	4479.2	4466.0	4466.0	4458.1	4460.7	4468.6	4476.5	4479.2	4479.2
10°	4460.7	4471.3	4455.5	4434.4	4426.6	4416.0	4418.7	4426.6	4442.3	4450.2	4450.2
12.5°	4466.0	4473.9	4458.1	4426.6	4418.7	4408.1	4408.1	4416.0	4437.1	4447.6	4450.2
15°	4481.8	4489.7	4466.0	4431.8	4423.9	4416.0	4413.4	4423.9	4447.6	4466.0	4468.6
17.5°	4510.7	4518.6	4481.8	4434.4	4423.9	4426.6	4423.9	4431.8	4468.6	4502.8	4502.8
20°	4537.0	4542.3	4492.3	4434.4	4423.9	4426.6	4423.9	4439.7	4487.0	4534.4	4537.0
22.5°	4544.9	4550.2	4502.8	4452.9	4445.0	4447.6	4445.0	4460.7	4505.5	4552.8	4552.8
25°	4547.5	4555.4	4518.6	4479.2	4492.3	4497.6	4492.3	4494.9	4529.1	4571.2	4568.6
27.5°	4587.0	4597.5	4563.3	4529.1	4537.0	4534.4	4542.3	4550.2	4576.5	4618.6	4608.0
30°	4668.5	4676.4	4647.5	4613.3	4608.0	4589.6	4613.3	4639.6	4668.5	4705.3	4697.5
32.5°	4802.7	4818.4	4781.6	4744.8	4721.1	4710.6	4729.0	4773.7	4813.2	4852.6	4836.9
35°	5026.2	5036.7	5002.6	4934.2	4892.1	4892.1	4907.9	4965.7	5028.9	5078.8	5060.4
37.5°	5341.8	5355.0	5294.5	5213.0	5149.8	5149.8	5170.9	5231.4	5326.1	5397.1	5370.8
40°	5725.8	5744.3	5668.0	5583.8	5523.3	5512.8	5539.1	5607.5	5696.9	5786.3	5757.4
42.5°	6188.8	6209.8	6109.8	6036.2	5988.9	5988.9	6002.0	6065.1	6146.7	6257.1	6249.2
45°	6780.5	6817.4	6680.6	6606.9	6562.2	6572.8	6580.6	6635.9	6709.5	6835.8	6830.5
47.5°	7485.4	7522.2	7377.6	7301.3	7293.4	7343.4	7311.8	7351.3	7390.7	7535.4	7493.3
50°	8285.0	8348.1	8248.2	8242.9	8258.7	8350.7	8277.1	8298.1	8253.4	8345.5	8290.2
52.5°	9263.4	9355.5	9337.0	9368.6	9544.8	9734.2	9565.9	9492.2	9323.9	9352.8	9255.5
55°	10449.6	10589.0	10615.3	10804.7	11204.5	11591.1	11233.4	10936.2	10578.5	10512.7	10410.2
57.5°	11798.9	11909.3	12035.6	12422.2	13169.2	13855.7	13169.2	12511.6	11948.8	11814.7	11720.0
60°	13250.7	13387.5	13508.5	14079.2	15189.1	16154.4	15168.1	14123.9	13379.6	13198.1	13040.3
62.5°	14810.4	14986.6	15070.8	15704.7	16998.7	18150.7	17017.1	15752.0	14926.1	14731.5	14573.7
65°	16307.0	16451.6	16546.3	17222.3	18458.4	19613.1	18542.6	17295.9	16446.4	16191.2	16065.0
67.5°	17003.9	17082.9	17314.3	18079.7	19384.2	20701.9	19605.2	18161.2	17211.7	16764.6	16769.9
70°	15983.4	15823.0	16380.6	17606.3	19494.7	21370.0	19747.2	17569.4	16406.9	15681.0	15854.6
72.5°	12351.2	12075.0	13042.9	15139.2	18232.2	20943.9	18358.5	15257.5	13645.2	12172.4	12537.9
75°	6720.0	6407.1	7743.2	10394.4	14539.5	18153.3	14873.5	10691.6	8621.6	6670.1	7104.0
77.5°	1896.3	1778.0	2856.3	5028.9	8745.3	12745.7	9081.9	5139.3	3387.6	2009.4	2233.0
80°	581.3	562.9	762.7	1515.0	3713.8	6104.6	3569.1	1533.4	970.5	612.8	647.0
82.5°	344.6	315.6	378.7	552.3	946.9	1917.4	920.6	576.0	462.9	310.4	336.7
85°	197.3	184.1	223.6	268.3	318.2	407.7	265.6	273.5	247.2	165.7	173.6
87.5°	81.5	73.6	86.8	84.2	73.6	94.7	71.0	84.2	99.9	65.8	60.5
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)