

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: P955540

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955540
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-SB8C-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52390 lumens
Efficiency: N/A
Efficacy: 131.0 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

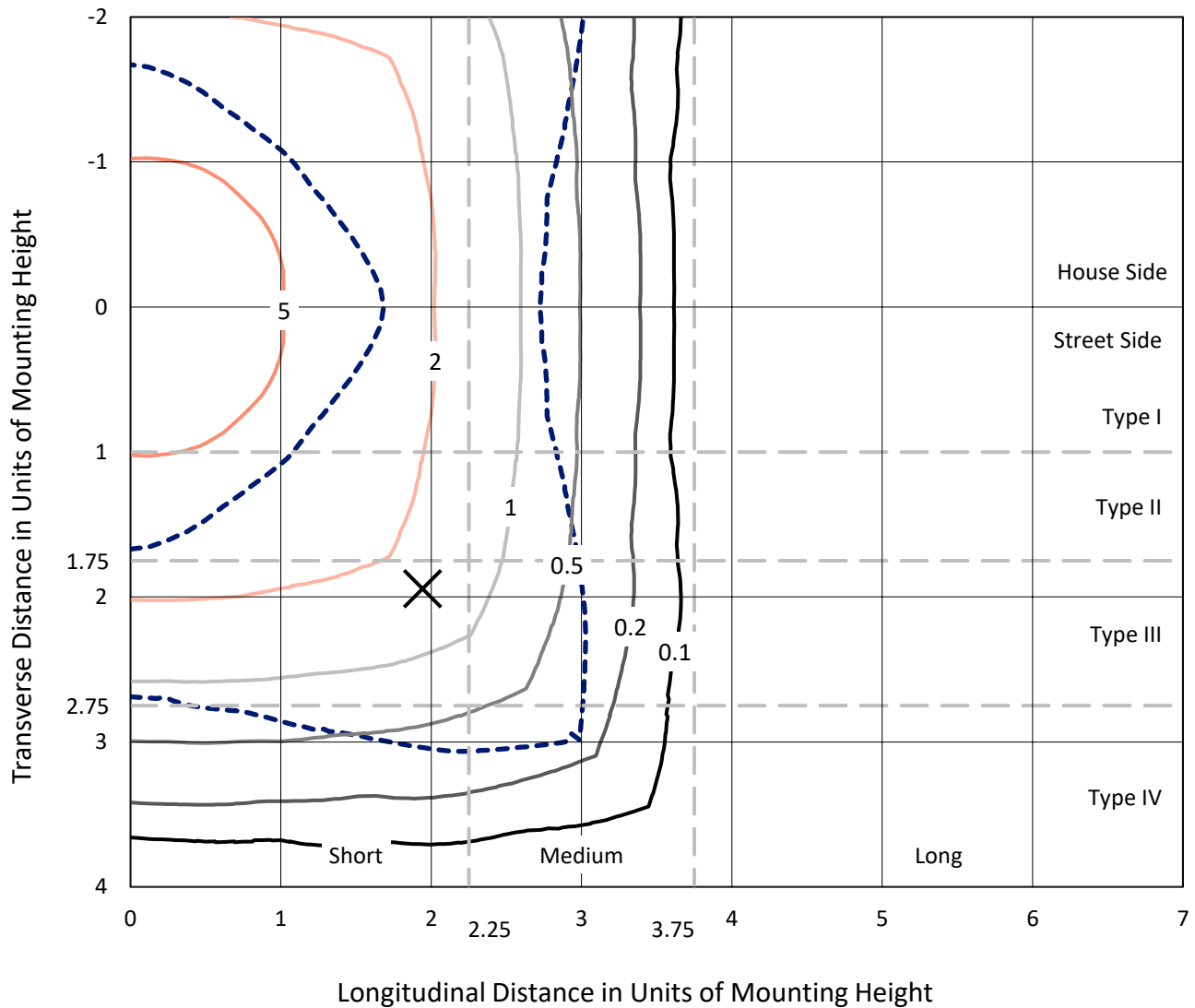


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

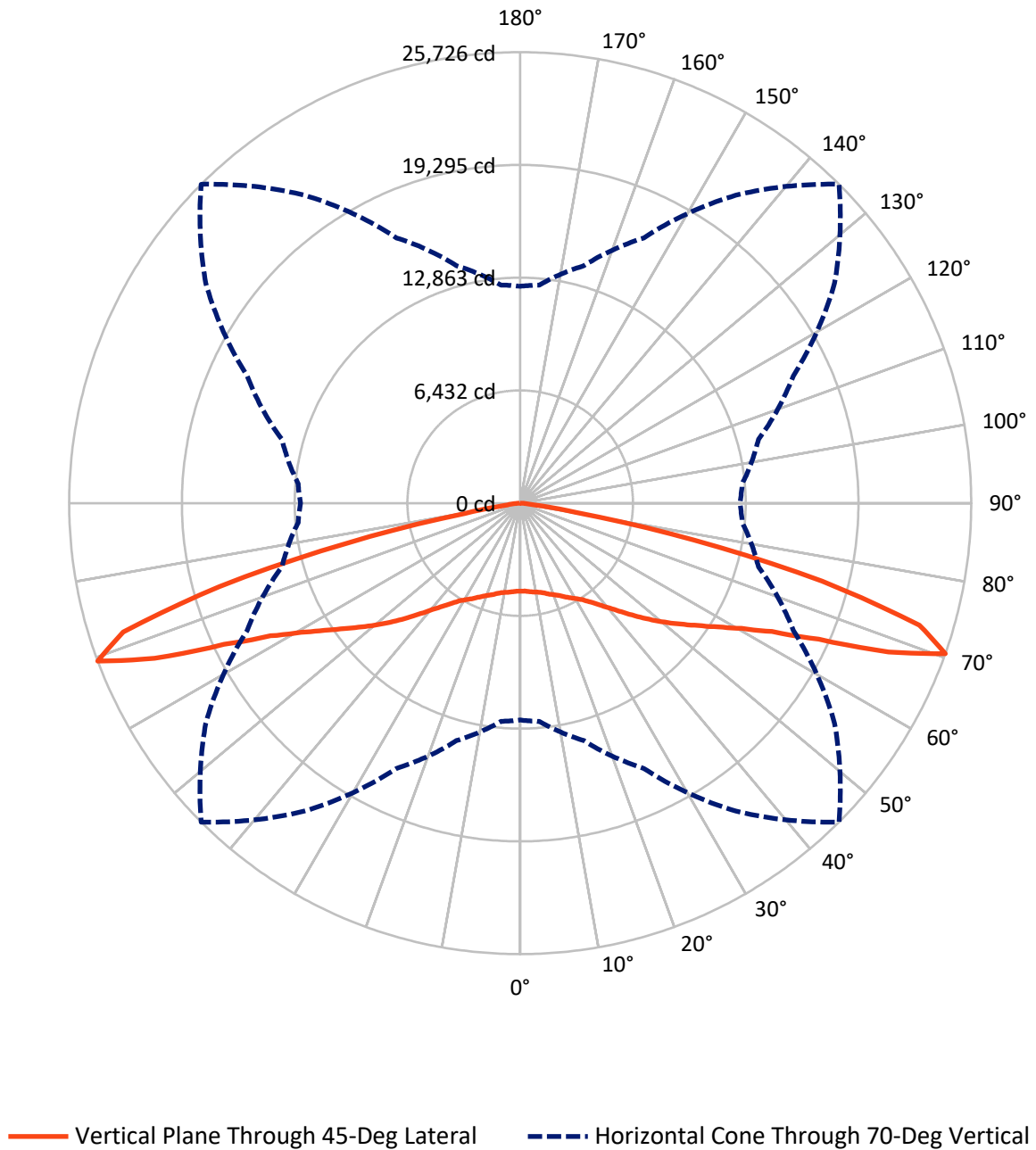


Based on 25 foot mounting height. Maximum calculated value = 8 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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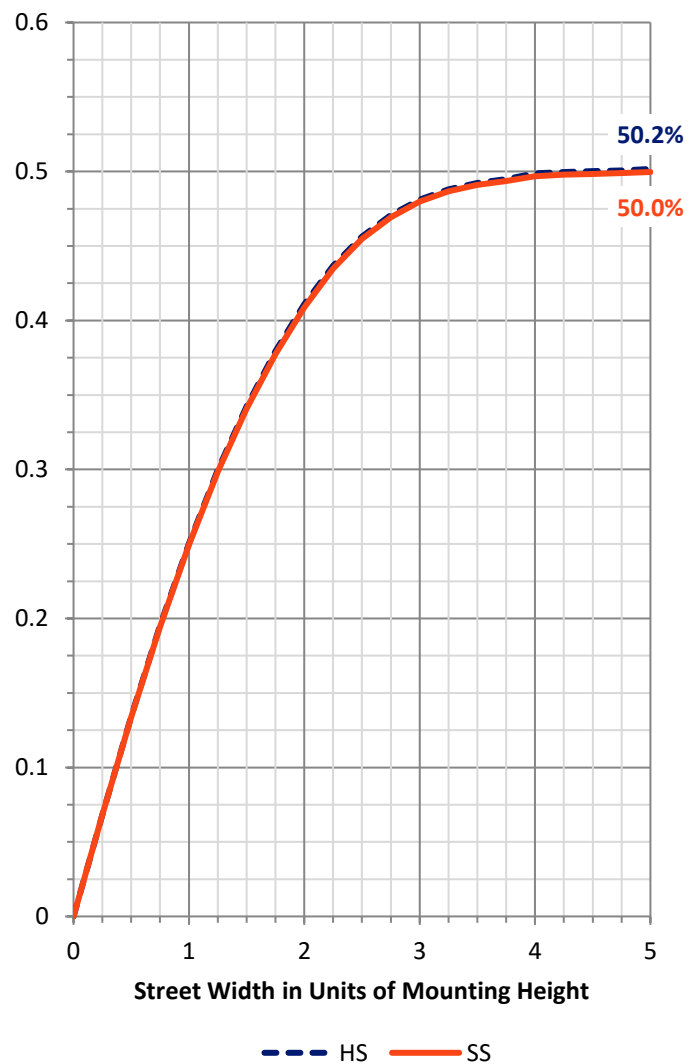
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26195.0	0.0	26195.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26195.0	0.0	26195.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52390.0	0.0	52390.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	487.5	0.9
10°-20°	1511.8	2.9
20°-30°	2701.8	5.2
30°-40°	4379.5	8.4
40°-50°	7133.6	13.6
50°-60°	10876.3	20.8
60°-70°	16180.4	30.9
70°-80°	8818.8	16.8
80°-90°	300.3	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°	52390.0	100.0
0°-180°	52390.0	100.0

Coefficient of Utilization



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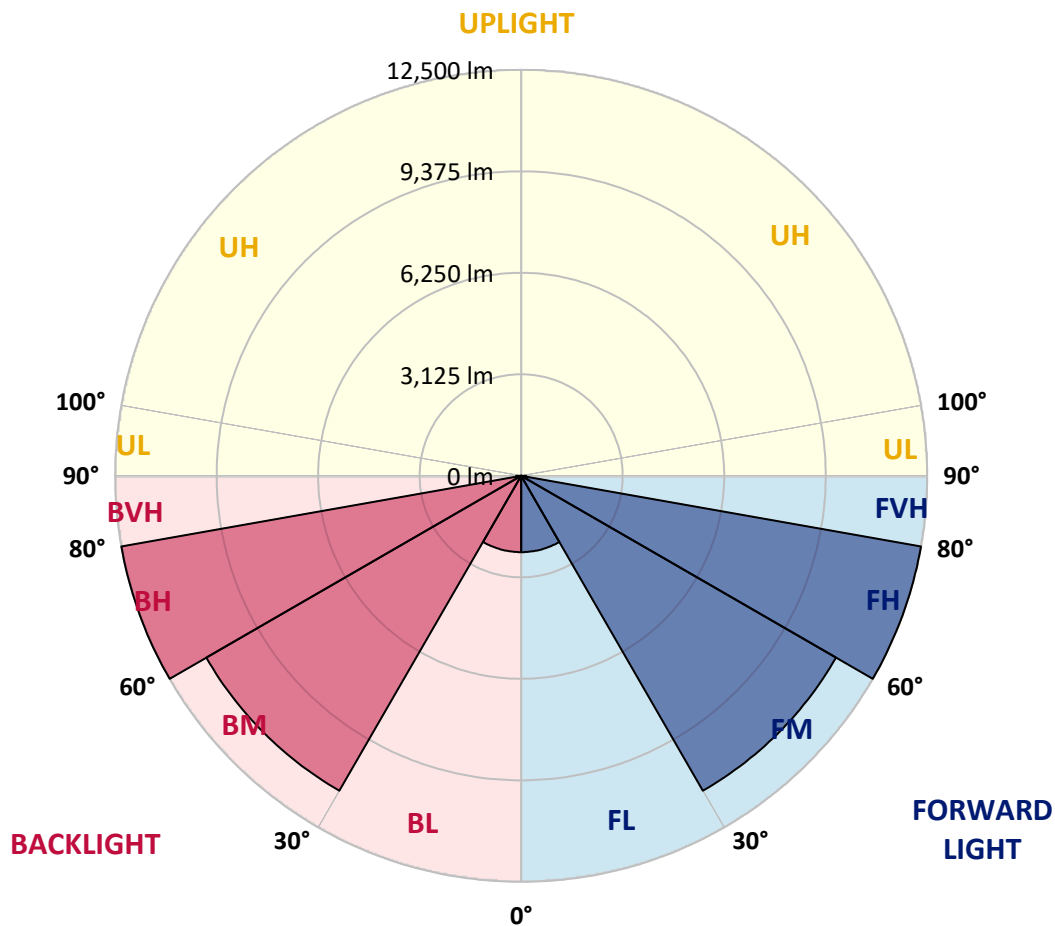
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2350.6	4.5			
FM	(30°-60°)	11194.7	21.4			
FH	(60°-80°)	12499.6	23.9			G5
FVH	(80°-90°)	150.2	0.3			G2/225
BL	(0°-30°)	2350.6	4.5	B3/2500		
BM	(30°-60°)	11194.7	21.4	B5		
BH	(60°-80°)	12499.6	23.9	B5		G5
BVH	(80°-90°)	150.2	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-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5018.4	5018.4	5018.4	5018.4	5018.4	5018.4	5018.4	5018.4	5018.4	5018.4	5018.4
2.5°	5042.1	5047.4	5036.8	5031.6	5026.3	5018.4	5021.0	5034.2	5044.7	5042.1	5044.7
5°	5084.2	5089.4	5081.5	5078.9	5068.4	5065.8	5065.8	5078.9	5086.8	5081.5	5084.2
7.5°	5131.5	5139.4	5126.3	5123.6	5118.4	5113.1	5110.5	5123.6	5131.5	5131.5	5131.5
10°	5176.2	5184.1	5173.6	5165.7	5160.5	5160.5	5155.2	5165.7	5178.9	5176.2	5176.2
12.5°	5223.6	5228.8	5218.3	5213.1	5213.1	5220.9	5213.1	5218.3	5228.8	5223.6	5220.9
15°	5281.4	5284.1	5281.4	5289.3	5302.5	5328.8	5305.1	5299.9	5305.1	5292.0	5292.0
17.5°	5360.3	5365.6	5376.1	5394.5	5412.9	5460.3	5418.2	5405.1	5405.1	5378.8	5378.8
20°	5457.7	5465.6	5481.3	5512.9	5536.6	5581.3	5539.2	5520.8	5512.9	5478.7	5478.7
22.5°	5560.2	5573.4	5597.1	5639.1	5681.2	5723.3	5681.2	5649.7	5626.0	5581.3	5578.7
25°	5678.6	5694.4	5731.2	5799.6	5857.5	5917.9	5868.0	5804.8	5757.5	5694.4	5691.8
27.5°	5846.9	5865.3	5910.1	5994.2	6067.9	6120.5	6073.1	5991.6	5925.8	5849.6	5846.9
30°	6083.7	6102.1	6154.7	6244.1	6294.1	6328.3	6296.7	6233.6	6154.7	6067.9	6067.9
32.5°	6388.8	6412.4	6470.3	6554.5	6565.0	6570.2	6559.7	6528.2	6470.3	6365.1	6367.7
35°	6775.4	6801.7	6867.4	6935.8	6925.3	6935.8	6920.1	6909.5	6867.4	6746.5	6746.5
37.5°	7248.8	7280.4	7348.8	7401.4	7375.1	7361.9	7364.6	7367.2	7343.5	7209.4	7209.4
40°	7798.5	7840.6	7890.6	7945.8	7901.1	7861.7	7888.0	7909.0	7888.0	7751.2	7751.2
42.5°	8364.0	8424.5	8477.1	8556.0	8519.2	8469.2	8506.1	8529.7	8485.0	8337.7	8348.3
45°	8992.7	9050.5	9118.9	9237.3	9211.0	9158.4	9211.0	9216.2	9139.9	8966.3	8984.8
47.5°	9642.3	9702.8	9805.4	9963.2	9952.7	9894.8	9963.2	9926.4	9829.1	9621.3	9608.1
50°	10257.8	10341.9	10499.8	10720.7	10741.7	10670.7	10762.8	10691.8	10528.7	10268.3	10263.0
52.5°	10836.4	10925.8	11175.7	11475.6	11551.8	11459.8	11583.4	11459.8	11215.2	10881.1	10849.6
55°	11444.0	11543.9	11841.2	12233.1	12385.6	12317.2	12433.0	12246.2	11899.0	11494.0	11438.7
57.5°	12159.4	12219.9	12575.0	13040.5	13298.3	13314.1	13366.7	13051.0	12630.2	12169.9	12106.8
60°	12935.3	13019.5	13406.1	13963.7	14371.4	14502.9	14447.7	13979.5	13490.3	12961.6	12877.5
62.5°	13929.5	14021.6	14484.5	15152.6	15797.0	16123.1	15907.4	15228.9	14623.9	13990.0	13879.6
65°	14752.8	14855.4	15691.8	16883.2	18056.3	18711.2	18169.4	16920.1	15831.2	14936.9	14789.6
67.5°	14155.7	14282.0	15594.5	17782.8	20699.7	22653.9	20799.6	18051.1	15918.0	14705.4	14524.0
70°	12372.5	12490.8	14021.6	16696.5	21444.0	25726.0	21891.1	17188.4	14071.6	12714.4	12532.9
72.5°	8214.1	8595.5	10144.7	13353.5	19147.8	23805.9	19337.2	13082.6	9410.9	8195.7	7930.1
75°	2724.9	3030.0	4087.3	6922.7	12824.9	17803.8	12209.4	6125.7	3237.8	2330.4	2204.1
77.5°	686.5	791.7	1091.5	1980.5	5115.7	10136.8	4605.5	1617.6	881.1	615.5	549.7
80°	334.0	368.2	526.0	660.2	1280.9	3222.0	1202.0	620.7	415.6	320.9	294.6
82.5°	184.1	186.7	297.2	373.5	476.1	833.8	494.5	363.0	239.3	194.6	194.6
85°	113.1	110.5	157.8	199.9	199.9	297.2	236.7	199.9	136.8	121.0	126.2
87.5°	44.7	44.7	57.9	63.1	55.2	76.3	60.5	65.8	52.6	50.0	52.6
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)