

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: P954826

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954826
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-SB8A-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 31380 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

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

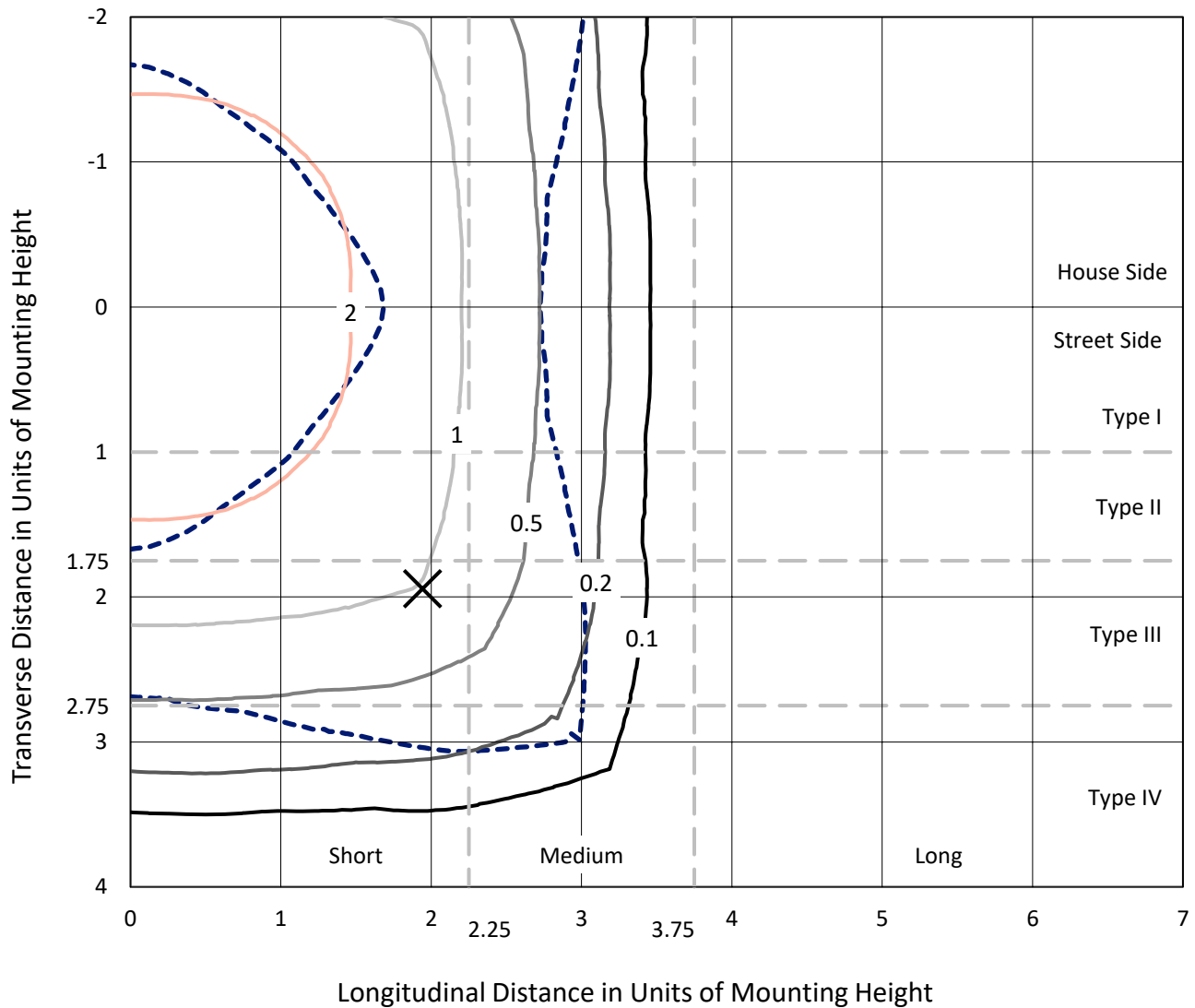


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

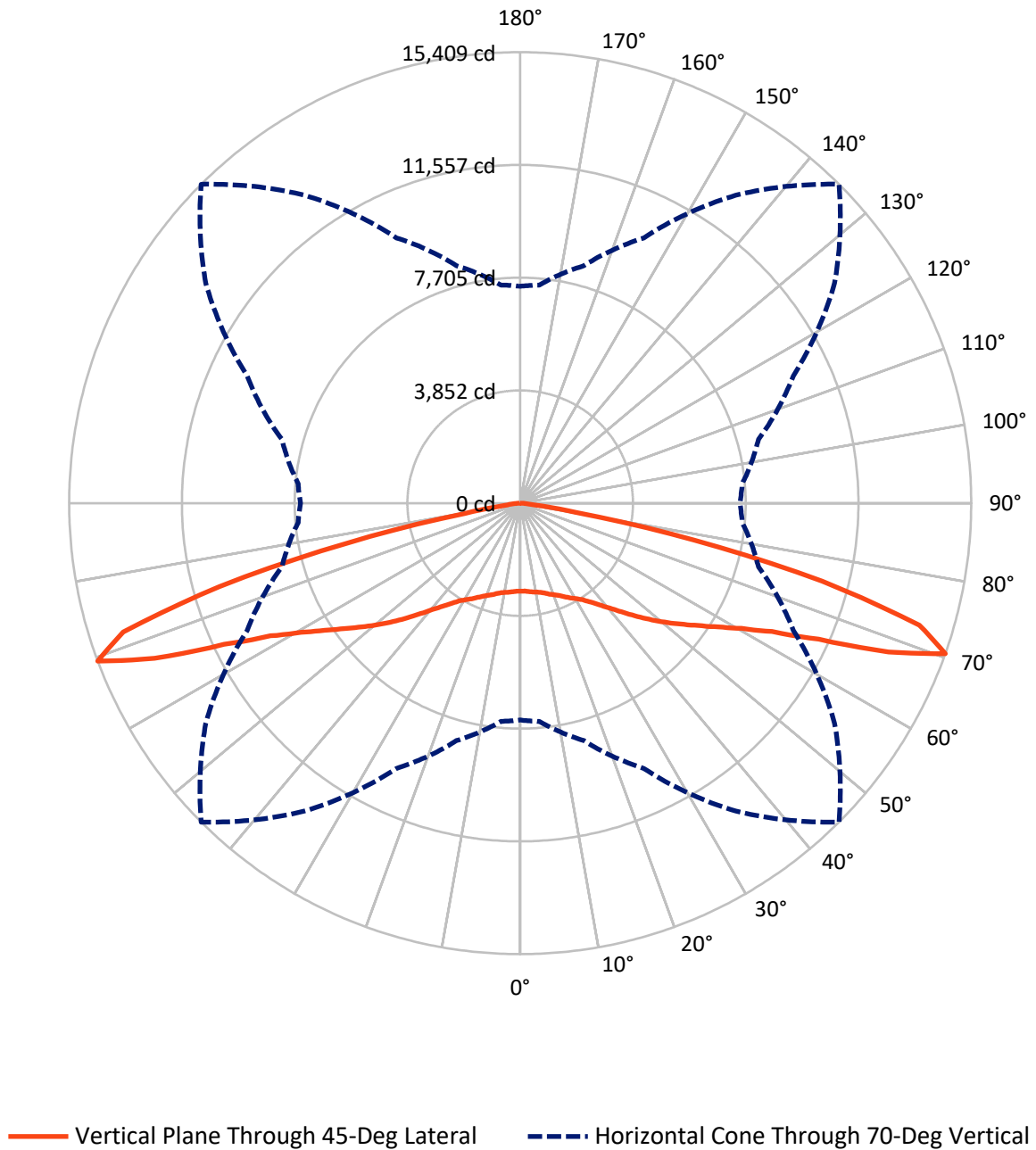


Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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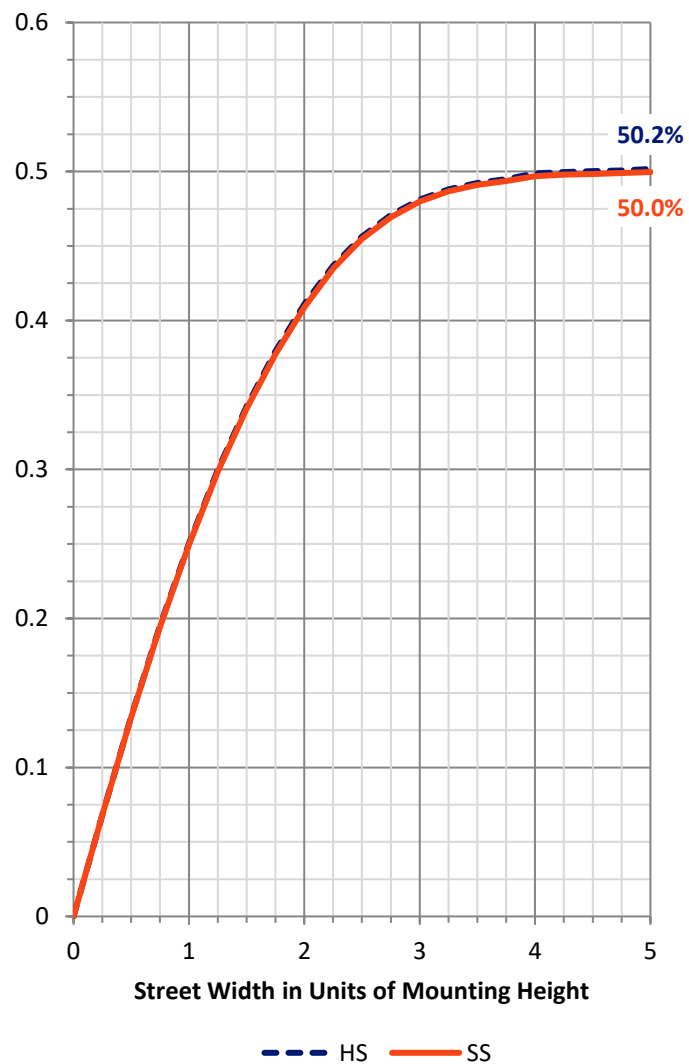
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15690.0	0.0	15690.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15690.0	0.0	15690.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31380.0	0.0	31380.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.0	0.9
10°-20°	905.5	2.9
20°-30°	1618.3	5.2
30°-40°	2623.2	8.4
40°-50°	4272.8	13.6
50°-60°	6514.5	20.8
60°-70°	9691.6	30.9
70°-80°	5282.2	16.8
80°-90°	179.9	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°	31380.0	100.0
0°-180°	31380.0	100.0

Coefficient of Utilization



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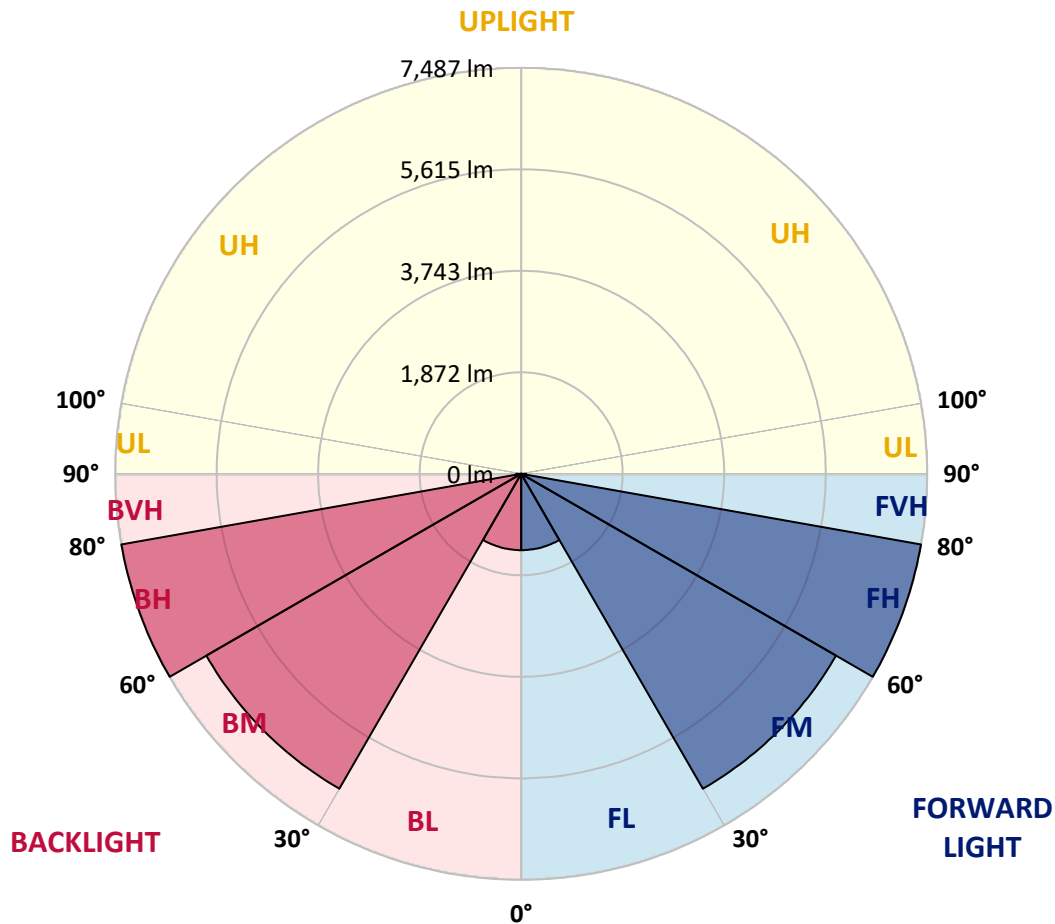
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1407.9	4.5			
FM	(30°-60°)	6705.3	21.4			
FH	(60°-80°)	7486.9	23.9			G3/7500
FVH	(80°-90°)	89.9	0.3			G1/100
BL	(0°-30°)	1407.9	4.5	B3/2500		
BM	(30°-60°)	6705.3	21.4	B4/8500		
BH	(60°-80°)	7486.9	23.9	B5		G3/7500
BVH	(80°-90°)	89.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9
2.5°	3020.1	3023.2	3016.9	3013.8	3010.6	3005.9	3007.5	3015.3	3021.6	3020.1	3021.6
5°	3045.3	3048.4	3043.7	3042.1	3035.8	3034.2	3034.2	3042.1	3046.8	3043.7	3045.3
7.5°	3073.6	3078.3	3070.5	3068.9	3065.7	3062.6	3061.0	3068.9	3073.6	3073.6	3073.6
10°	3100.4	3105.1	3098.8	3094.1	3091.0	3091.0	3087.8	3094.1	3102.0	3100.4	3100.4
12.5°	3128.8	3131.9	3125.6	3122.5	3122.5	3127.2	3122.5	3125.6	3131.9	3128.8	3127.2
15°	3163.4	3165.0	3163.4	3168.1	3176.0	3191.8	3177.6	3174.4	3177.6	3169.7	3169.7
17.5°	3210.7	3213.8	3220.1	3231.2	3242.2	3270.5	3245.3	3237.5	3237.5	3221.7	3221.7
20°	3269.0	3273.7	3283.2	3302.1	3316.2	3343.0	3317.8	3306.8	3302.1	3281.6	3281.6
22.5°	3330.4	3338.3	3352.5	3377.7	3402.9	3428.1	3402.9	3384.0	3369.8	3343.0	3341.4
25°	3401.3	3410.8	3432.8	3473.8	3508.4	3544.7	3514.7	3476.9	3448.6	3410.8	3409.2
27.5°	3502.1	3513.2	3539.9	3590.4	3634.5	3666.0	3637.6	3588.8	3549.4	3503.7	3502.1
30°	3643.9	3654.9	3686.5	3740.0	3770.0	3790.4	3771.5	3733.7	3686.5	3634.5	3634.5
32.5°	3826.7	3840.8	3875.5	3925.9	3932.2	3935.4	3929.1	3910.2	3875.5	3812.5	3814.1
35°	4058.3	4074.0	4113.4	4154.4	4148.1	4154.4	4144.9	4138.6	4113.4	4040.9	4040.9
37.5°	4341.8	4360.7	4401.7	4433.2	4417.4	4409.6	4411.1	4412.7	4398.5	4318.2	4318.2
40°	4671.1	4696.3	4726.2	4759.3	4732.5	4708.9	4724.6	4737.3	4724.6	4642.7	4642.7
42.5°	5009.8	5046.0	5077.5	5124.8	5102.7	5072.8	5094.9	5109.0	5082.3	4994.0	5000.3
45°	5386.3	5421.0	5461.9	5532.8	5517.1	5485.6	5517.1	5520.2	5474.5	5370.6	5381.6
47.5°	5775.4	5811.7	5873.1	5967.6	5961.3	5926.7	5967.6	5945.6	5887.3	5762.8	5755.0
50°	6144.1	6194.5	6289.0	6421.4	6434.0	6391.4	6446.6	6404.0	6306.4	6150.4	6147.2
52.5°	6490.7	6544.2	6693.9	6873.5	6919.2	6864.1	6938.1	6864.1	6717.5	6517.5	6498.6
55°	6854.6	6914.5	7092.5	7327.2	7418.6	7377.6	7447.0	7335.1	7127.1	6884.5	6851.5
57.5°	7283.1	7319.3	7532.0	7810.9	7965.3	7974.7	8006.2	7817.2	7565.1	7289.4	7251.6
60°	7747.9	7798.3	8029.9	8363.8	8608.0	8686.8	8653.7	8373.3	8080.3	7763.6	7713.2
62.5°	8343.4	8398.5	8675.8	9075.9	9461.9	9657.3	9528.1	9121.6	8759.3	8379.6	8313.4
65°	8836.5	8897.9	9398.9	10112.5	10815.2	11207.5	10882.9	10134.6	9482.4	8946.7	8858.5
67.5°	8478.8	8554.5	9340.6	10651.3	12398.5	13569.0	12458.3	10812.0	9534.4	8808.1	8699.4
70°	7410.7	7481.6	8398.5	10000.7	12844.3	15409.1	13112.1	10295.3	8428.4	7615.5	7506.8
72.5°	4920.0	5148.4	6076.4	7998.3	11469.0	14259.0	11582.4	7836.1	5636.8	4909.0	4749.9
75°	1632.1	1814.9	2448.2	4146.5	7681.7	10663.9	7313.0	3669.1	1939.3	1395.8	1320.2
77.5°	411.2	474.2	653.8	1186.3	3064.2	6071.6	2758.5	968.9	527.8	368.6	329.3
80°	200.1	220.6	315.1	395.4	767.2	1929.9	720.0	371.8	248.9	192.2	176.4
82.5°	110.3	111.9	178.0	223.7	285.1	499.4	296.2	217.4	143.4	116.6	116.6
85°	67.7	66.2	94.5	119.7	119.7	178.0	141.8	119.7	81.9	72.5	75.6
87.5°	26.8	26.8	34.7	37.8	33.1	45.7	36.2	39.4	31.5	29.9	31.5
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)