

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: P944150

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944150
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-SB9A-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34141 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - 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



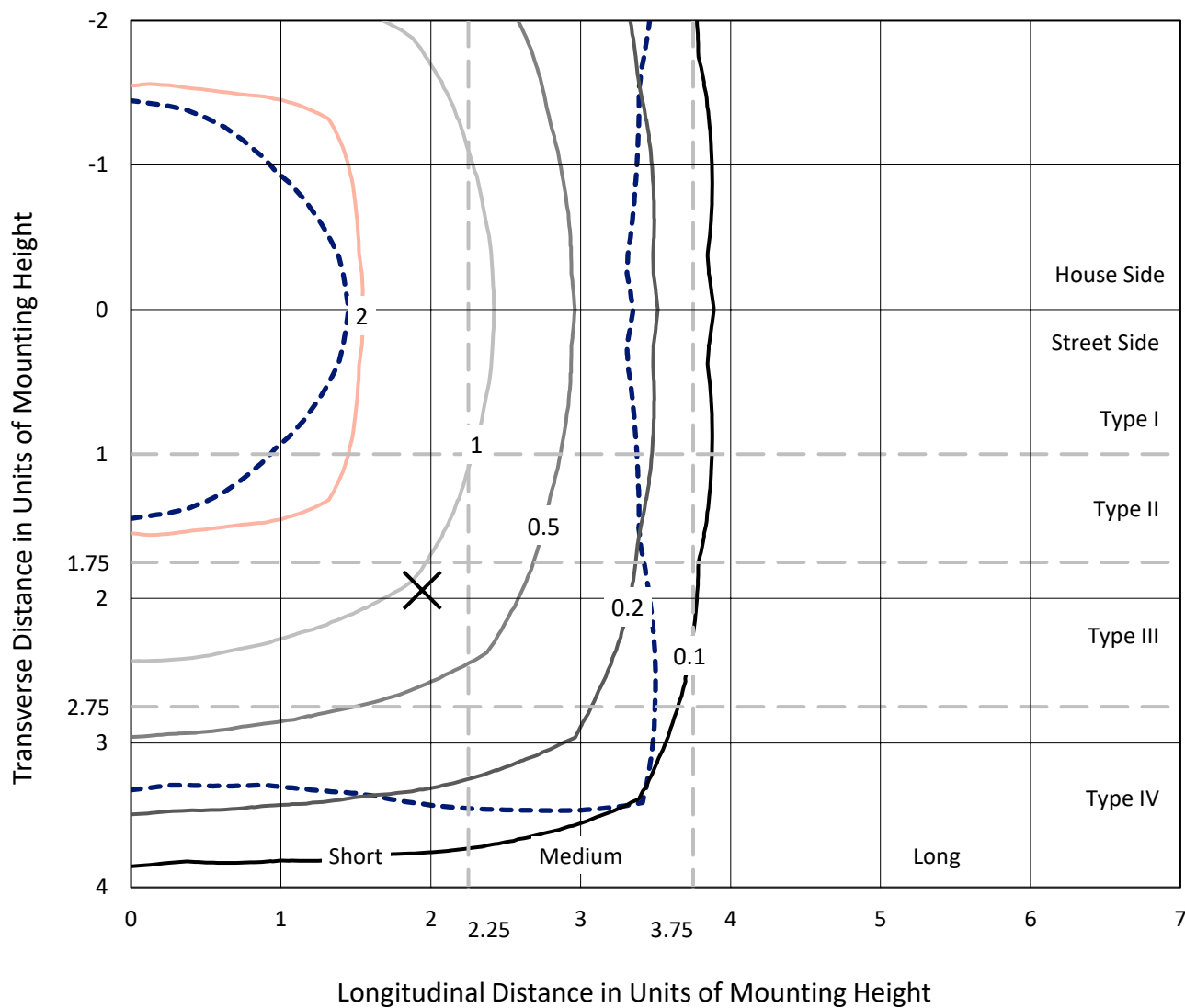
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

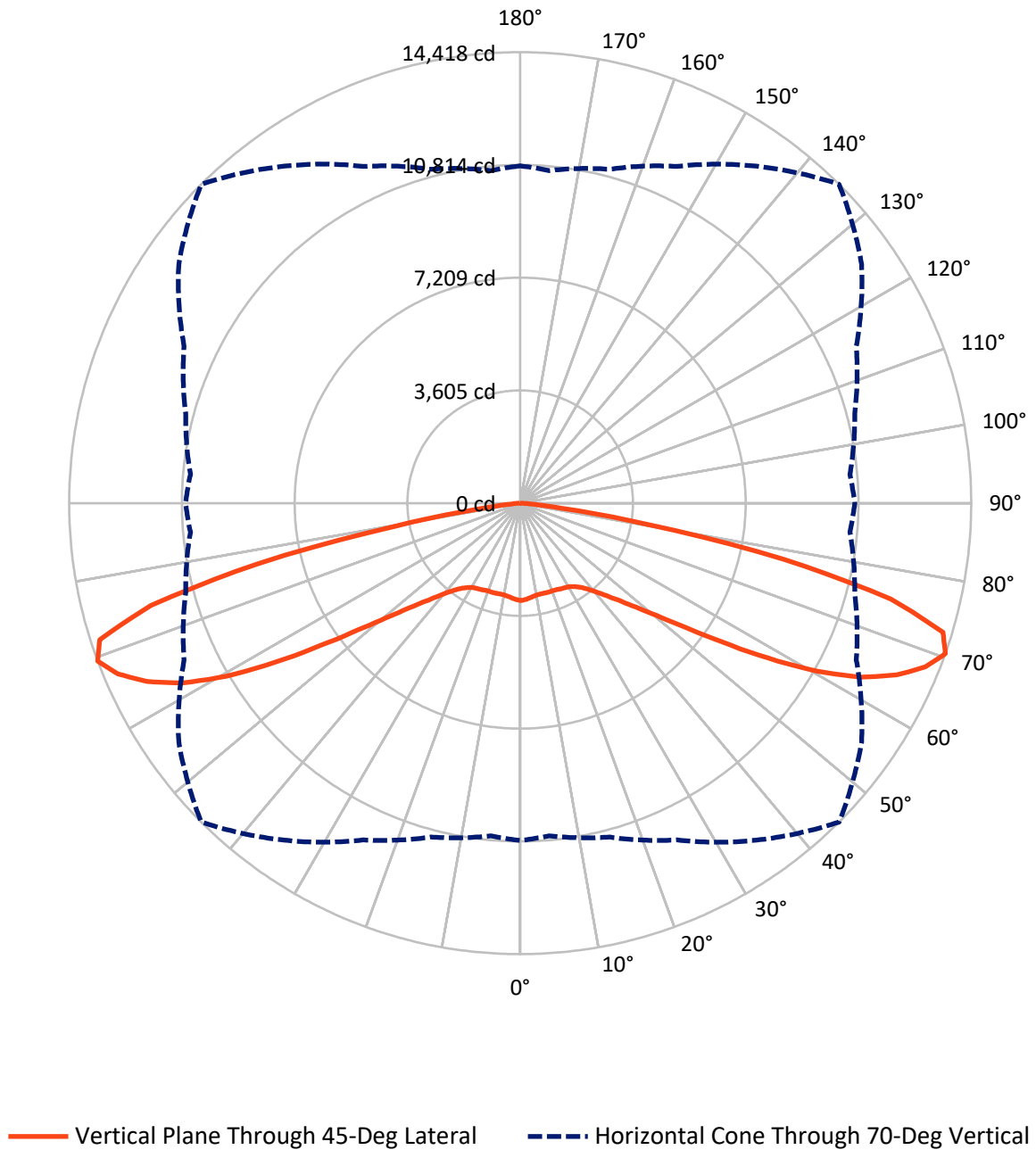


Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17070.5	0.0	17070.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17070.5	0.0	17070.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34141.0	0.0	34141.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.7	0.8
10°-20°	850.7	2.5
20°-30°	1415.6	4.1
30°-40°	2140.8	6.3
40°-50°	3557.5	10.4
50°-60°	6713.0	19.7
60°-70°	11335.1	33.2
70°-80°	7448.3	21.8
80°-90°	390.2	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°	34141.0	100.0
0°-180°	34141.0	100.0

Coefficient of Utilization



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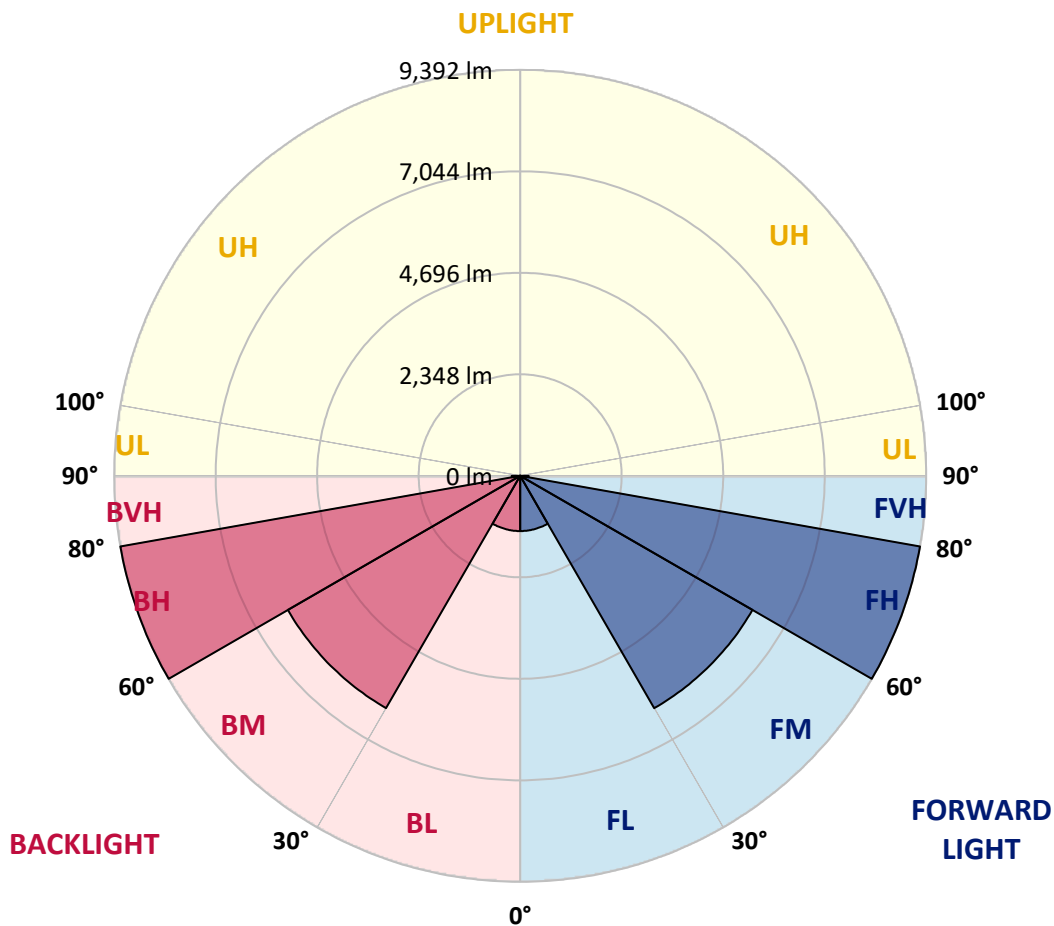
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1278.0	3.7			
FM	(30°-60°)	6205.7	18.2			
FH	(60°-80°)	9391.7	27.5			G4/12000
FVH	(80°-90°)	195.1	0.6			G2/225
BL	(0°-30°)	1278.0	3.7	B3/2500		
BM	(30°-60°)	6205.7	18.2	B4/8500		
BH	(60°-80°)	9391.7	27.5	B5		G4/12000
BVH	(80°-90°)	195.1	0.6			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°	3114.3	3114.3	3114.3	3114.3	3114.3	3114.3	3114.3	3114.3	3114.3	3114.3	3114.3
2.5°	3094.8	3103.7	3100.2	3093.1	3093.1	3087.7	3093.1	3096.6	3101.9	3105.5	3103.7
5°	3054.0	3061.1	3059.3	3054.0	3055.8	3050.5	3054.0	3059.3	3062.9	3064.7	3064.7
7.5°	3018.5	3025.6	3022.1	3013.2	3013.2	3007.9	3009.6	3015.0	3020.3	3022.1	3022.1
10°	3009.6	3016.7	3006.1	2991.9	2986.6	2979.5	2981.3	2986.6	2997.2	3002.5	3002.5
12.5°	3013.2	3018.5	3007.9	2986.6	2981.3	2974.2	2974.2	2979.5	2993.7	3000.8	3002.5
15°	3023.8	3029.2	3013.2	2990.1	2984.8	2979.5	2977.7	2984.8	3000.8	3013.2	3015.0
17.5°	3043.4	3048.7	3023.8	2991.9	2984.8	2986.6	2984.8	2990.1	3015.0	3038.0	3038.0
20°	3061.1	3064.7	3030.9	2991.9	2984.8	2986.6	2984.8	2995.5	3027.4	3059.3	3061.1
22.5°	3066.4	3070.0	3038.0	3004.3	2999.0	3000.8	2999.0	3009.6	3039.8	3071.8	3071.8
25°	3068.2	3073.5	3048.7	3022.1	3030.9	3034.5	3030.9	3032.7	3055.8	3084.2	3082.4
27.5°	3094.8	3101.9	3078.9	3055.8	3061.1	3059.3	3064.7	3070.0	3087.7	3116.1	3109.0
30°	3149.8	3155.2	3135.6	3112.6	3109.0	3096.6	3112.6	3130.3	3149.8	3174.7	3169.4
32.5°	3240.3	3251.0	3226.1	3201.3	3185.3	3178.2	3190.7	3220.8	3247.4	3274.1	3263.4
35°	3391.2	3398.3	3375.2	3329.1	3300.7	3300.7	3311.3	3350.4	3393.0	3426.7	3414.2
37.5°	3604.1	3613.0	3572.2	3517.2	3474.6	3474.6	3488.8	3529.6	3593.5	3641.4	3623.6
40°	3863.2	3875.6	3824.2	3767.4	3726.6	3719.5	3737.2	3783.4	3843.7	3904.0	3884.5
42.5°	4175.5	4189.7	4122.3	4072.6	4040.7	4040.7	4049.5	4092.1	4147.1	4221.7	4216.3
45°	4574.8	4599.7	4507.4	4457.7	4427.5	4434.6	4439.9	4477.2	4526.9	4612.1	4608.5
47.5°	5050.4	5075.2	4977.6	4926.2	4920.8	4954.6	4933.3	4959.9	4986.5	5084.1	5055.7
50°	5589.9	5632.4	5565.0	5561.5	5572.1	5634.2	5584.5	5598.7	5568.6	5630.7	5593.4
52.5°	6250.0	6312.1	6299.7	6321.0	6439.9	6567.6	6454.1	6404.4	6290.8	6310.3	6244.7
55°	7050.3	7144.4	7162.1	7289.9	7559.6	7820.5	7579.1	7378.6	7137.3	7092.9	7023.7
57.5°	7960.7	8035.2	8120.4	8381.2	8885.2	9348.4	8885.2	8441.6	8061.8	7971.3	7907.4
60°	8940.2	9032.5	9114.1	9499.2	10248.1	10899.3	10233.9	9529.4	9027.2	8904.7	8798.3
62.5°	9992.5	10111.4	10168.2	10595.9	11469.0	12246.2	11481.4	10627.8	10070.6	9939.3	9832.8
65°	11002.3	11099.9	11163.7	11619.8	12453.8	13232.9	12510.6	11669.5	11096.3	10924.2	10839.0
67.5°	11472.5	11525.7	11681.9	12198.3	13078.5	13967.5	13227.5	12253.3	11612.7	11311.0	11314.6
70°	10784.0	10675.7	11051.9	11878.9	13153.0	14418.3	13323.4	11854.0	11069.7	10579.9	10697.0
72.5°	8333.3	8147.0	8800.0	10214.3	12301.2	14130.8	12386.4	10294.2	9206.4	8212.6	8459.3
75°	4534.0	4322.8	5224.3	7013.0	9809.7	12248.0	10035.1	7213.6	5817.0	4500.3	4793.1
77.5°	1279.5	1199.6	1927.2	3393.0	5900.4	8599.5	6127.5	3467.5	2285.6	1355.8	1506.6
80°	392.2	379.8	514.6	1022.1	2505.7	4118.7	2408.1	1034.6	654.8	413.5	436.5
82.5°	232.5	212.9	255.5	372.7	638.8	1293.7	621.1	388.6	312.3	209.4	227.1
85°	133.1	124.2	150.8	181.0	214.7	275.1	179.2	184.6	166.8	111.8	117.1
87.5°	55.0	49.7	58.6	56.8	49.7	63.9	47.9	56.8	67.4	44.4	40.8
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)