

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: P941260

Luminaire Tested: **GALN-SB4D-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941260
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-SB4D-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34078 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 293.6
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



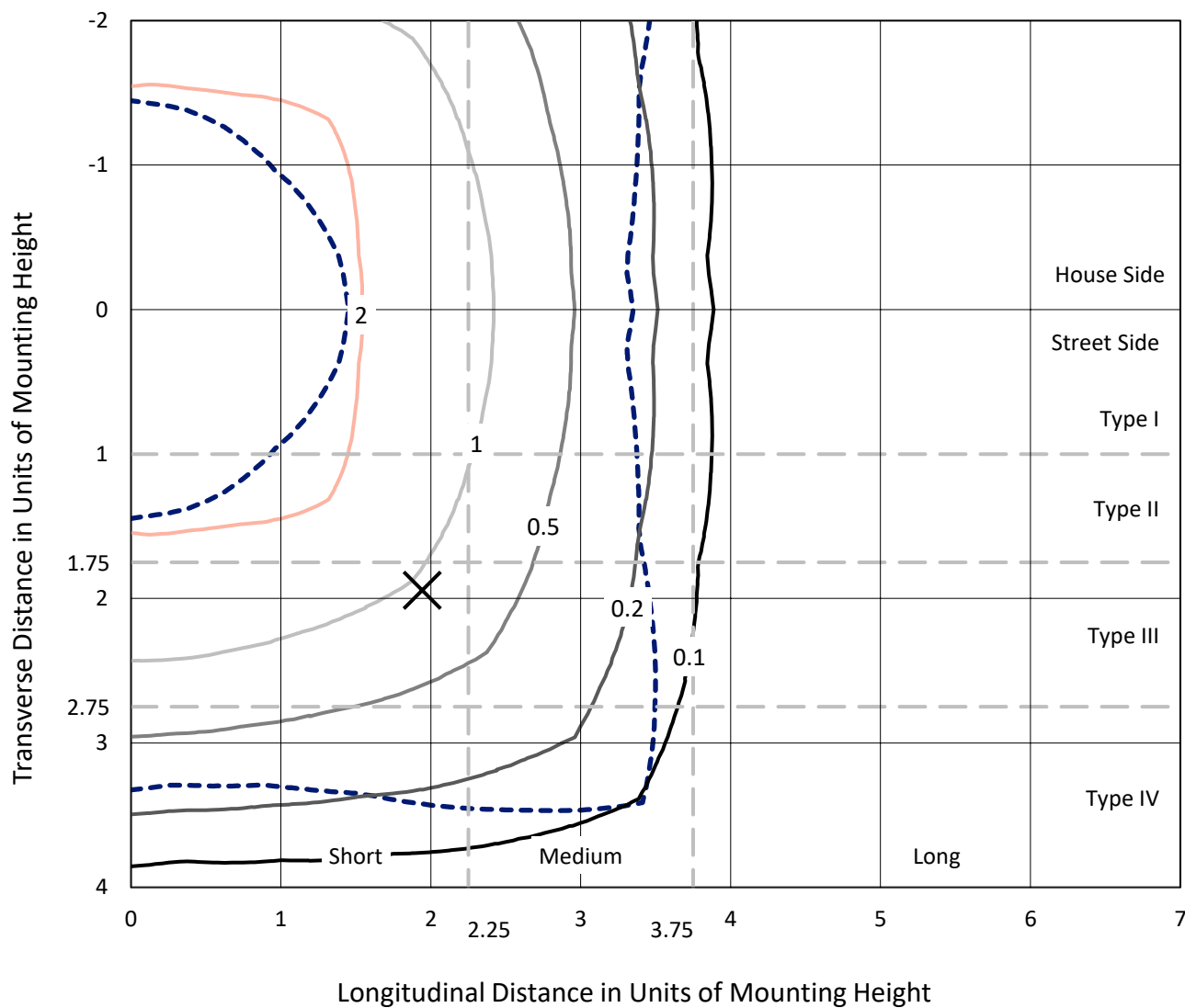
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Iso-Footcandle Lines of Horizontal Illumination

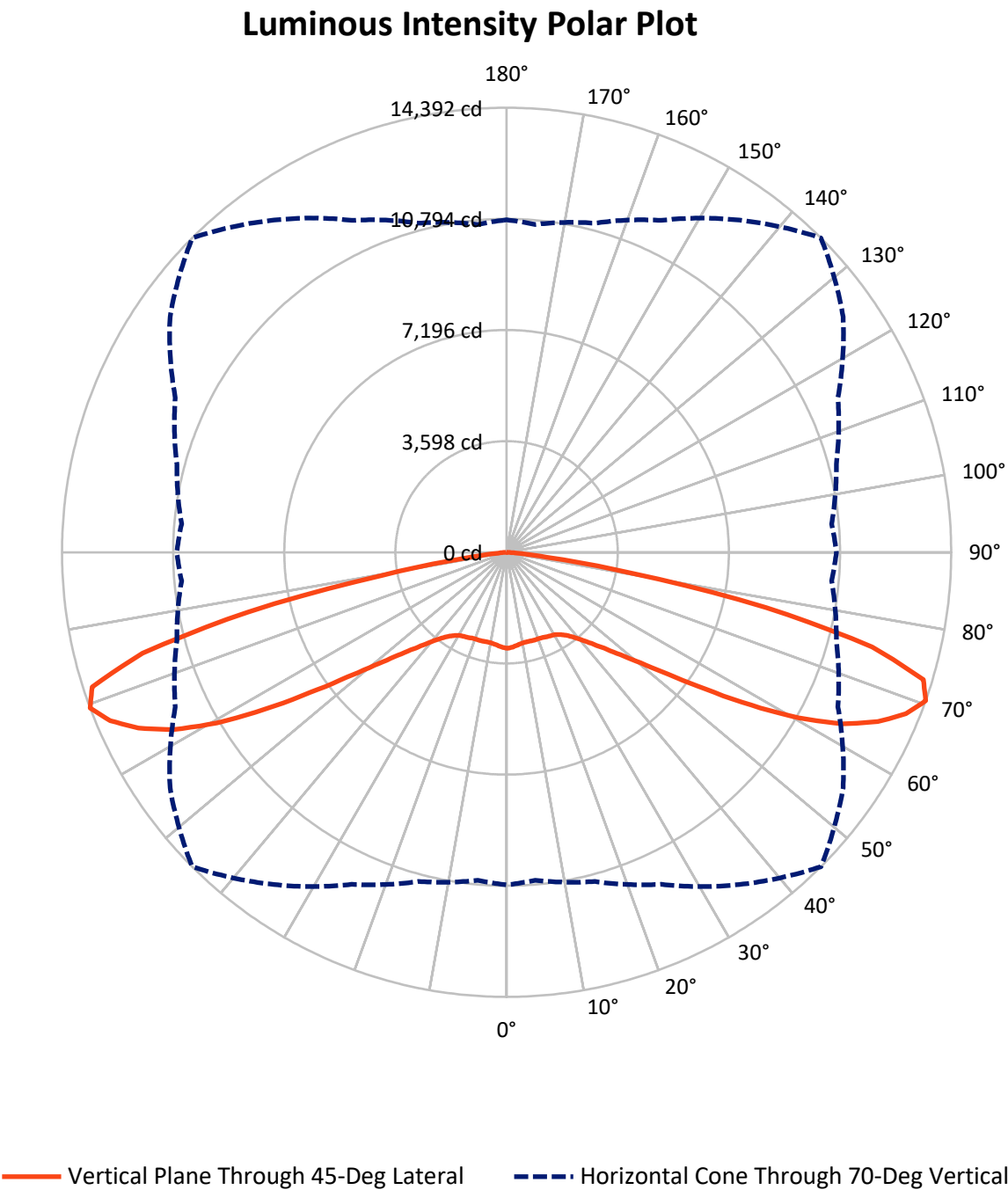
× Max cd

--- 1/2 Max cd



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

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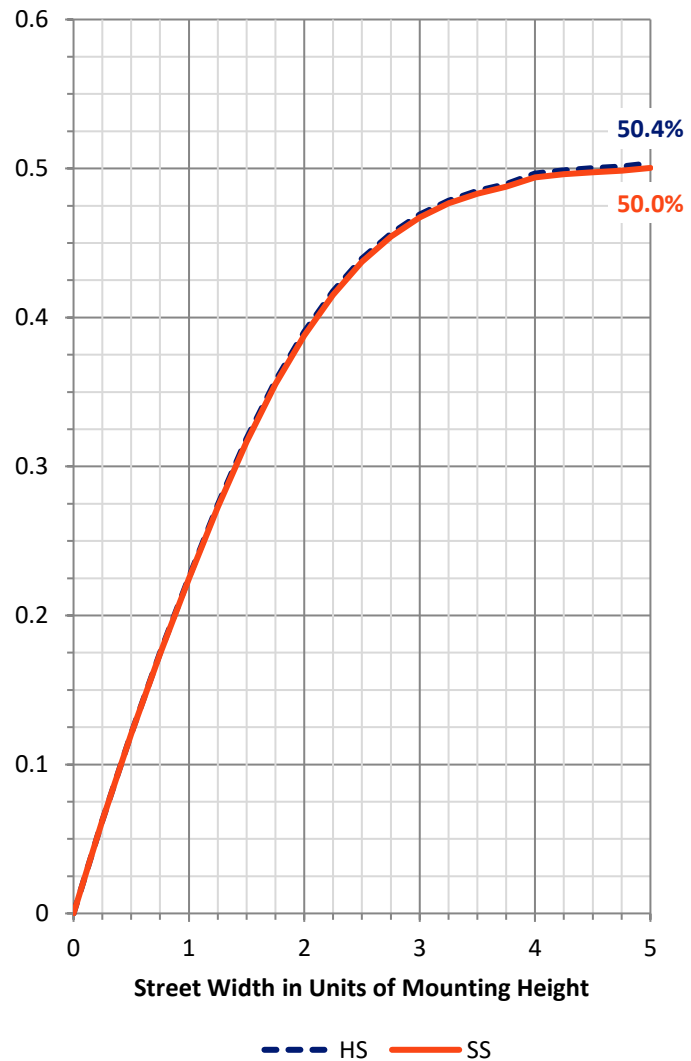
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17039.0	0.0	17039.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17039.0	0.0	17039.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34078.0	0.0	34078.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.2	0.8
10°-20°	849.1	2.5
20°-30°	1413.0	4.1
30°-40°	2136.9	6.3
40°-50°	3551.0	10.4
50°-60°	6700.6	19.7
60°-70°	11314.2	33.2
70°-80°	7434.6	21.8
80°-90°	389.5	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°	34078.0	100.0
0°-180°	34078.0	100.0

Coefficient of Utilization



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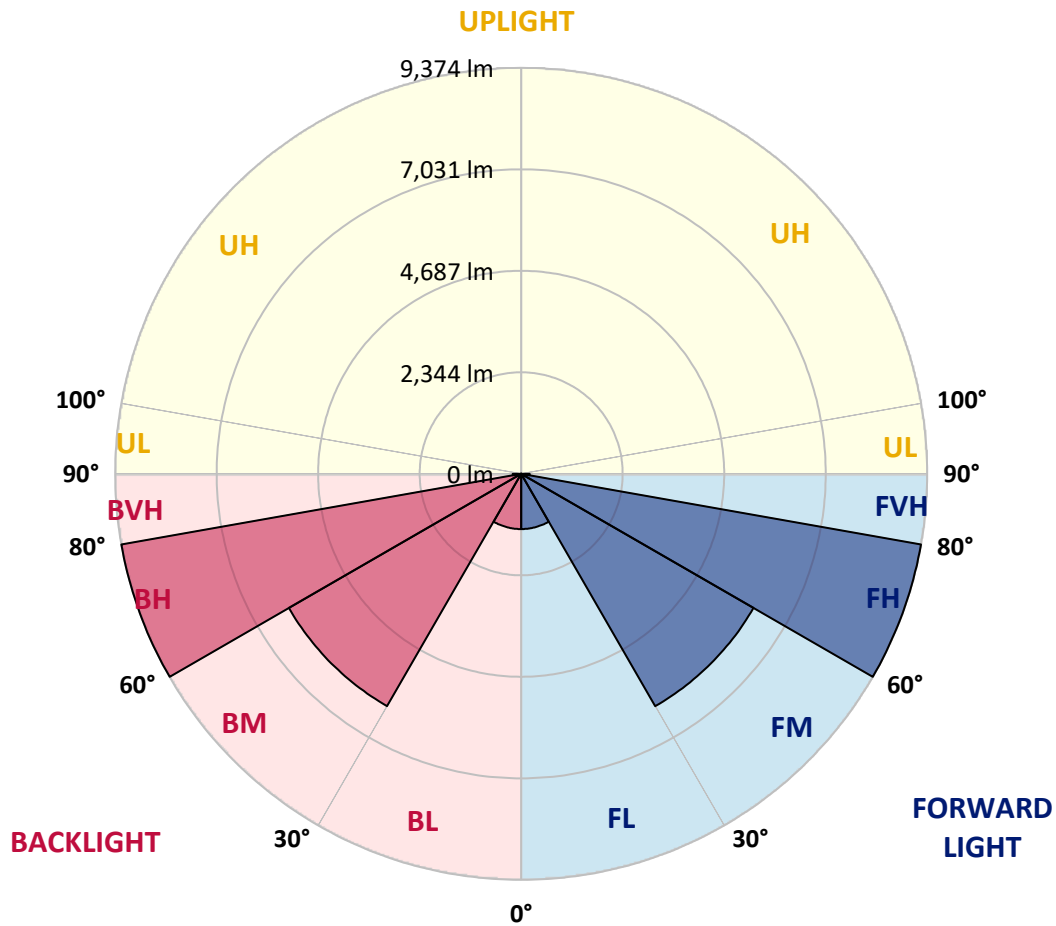
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1275.6	3.7			
FM	(30°-60°)	6194.2	18.2			
FH	(60°-80°)	9374.4	27.5			G4/12000
FVH	(80°-90°)	194.8	0.6			G2/225
BL	(0°-30°)	1275.6	3.7	B3/2500		
BM	(30°-60°)	6194.2	18.2	B4/8500		
BH	(60°-80°)	9374.4	27.5	B5		G4/12000
BVH	(80°-90°)	194.8	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°	3108.6	3108.6	3108.6	3108.6	3108.6	3108.6	3108.6	3108.6	3108.6	3108.6	3108.6
2.5°	3089.1	3098.0	3094.4	3087.3	3087.3	3082.0	3087.3	3090.9	3096.2	3099.7	3098.0
5°	3048.4	3055.5	3053.7	3048.4	3050.1	3044.8	3048.4	3053.7	3057.2	3059.0	3059.0
7.5°	3013.0	3020.0	3016.5	3007.6	3007.6	3002.3	3004.1	3009.4	3014.7	3016.5	3016.5
10°	3004.1	3011.2	3000.6	2986.4	2981.1	2974.0	2975.8	2981.1	2991.7	2997.0	2997.0
12.5°	3007.6	3013.0	3002.3	2981.1	2975.8	2968.7	2968.7	2974.0	2988.2	2995.2	2997.0
15°	3018.3	3023.6	3007.6	2984.6	2979.3	2974.0	2972.2	2979.3	2995.2	3007.6	3009.4
17.5°	3037.7	3043.1	3018.3	2986.4	2979.3	2981.1	2979.3	2984.6	3009.4	3032.4	3032.4
20°	3055.5	3059.0	3025.3	2986.4	2979.3	2981.1	2979.3	2989.9	3021.8	3053.7	3055.5
22.5°	3060.8	3064.3	3032.4	2998.8	2993.5	2995.2	2993.5	3004.1	3034.2	3066.1	3066.1
25°	3062.5	3067.9	3043.1	3016.5	3025.3	3028.9	3025.3	3027.1	3050.1	3078.5	3076.7
27.5°	3089.1	3096.2	3073.2	3050.1	3055.5	3053.7	3059.0	3064.3	3082.0	3110.4	3103.3
30°	3144.0	3149.3	3129.9	3106.8	3103.3	3090.9	3106.8	3124.5	3144.0	3168.8	3163.5
32.5°	3234.4	3245.0	3220.2	3195.4	3179.5	3172.4	3184.8	3214.9	3241.4	3268.0	3257.4
35°	3384.9	3392.0	3369.0	3322.9	3294.6	3294.6	3305.2	3344.2	3386.7	3420.3	3407.9
37.5°	3597.5	3606.3	3565.6	3510.7	3468.2	3468.2	3482.3	3523.1	3586.8	3634.7	3617.0
40°	3856.1	3868.5	3817.1	3760.4	3719.7	3712.6	3730.3	3776.4	3836.6	3896.8	3877.3
42.5°	4167.8	4182.0	4114.7	4065.1	4033.2	4033.2	4042.1	4084.6	4139.5	4213.9	4208.6
45°	4566.4	4591.2	4499.1	4449.5	4419.3	4426.4	4431.7	4468.9	4518.5	4603.6	4600.0
47.5°	5041.1	5065.9	4968.4	4917.1	4911.8	4945.4	4924.2	4950.7	4977.3	5074.7	5046.4
50°	5579.5	5622.0	5554.7	5551.2	5561.8	5623.8	5574.2	5588.4	5558.3	5620.3	5583.1
52.5°	6238.5	6300.4	6288.1	6309.3	6428.0	6555.5	6442.2	6392.6	6279.2	6298.7	6233.1
55°	7037.3	7131.2	7148.9	7276.4	7545.7	7806.0	7565.1	7365.0	7124.1	7079.8	7010.7
57.5°	7946.0	8020.4	8105.4	8365.8	8868.8	9331.1	8868.8	8426.0	8046.9	7956.6	7892.8
60°	8923.7	9015.8	9097.3	9481.7	10229.2	10879.2	10215.0	9511.8	9010.5	8888.3	8782.0
62.5°	9974.1	10092.8	10149.4	10576.3	11447.8	12223.6	11460.2	10608.2	10052.0	9920.9	9814.7
65°	10981.9	11079.4	11143.1	11598.4	12430.9	13208.4	12487.5	11647.9	11075.8	10904.0	10819.0
67.5°	11451.3	11504.5	11660.3	12175.8	13054.3	13941.8	13203.1	12230.7	11591.3	11290.2	11293.7
70°	10764.1	10656.0	11031.5	11857.0	13128.7	14391.7	13298.8	11832.2	11049.3	10560.4	10677.3
72.5°	8317.9	8132.0	8783.8	10195.5	12278.5	14104.7	12363.5	10275.2	9189.4	8197.5	8443.7
75°	4525.6	4314.8	5214.7	7000.1	9791.6	12225.4	10016.6	7200.3	5806.3	4492.0	4784.2
77.5°	1277.1	1197.4	1923.6	3386.7	5889.5	8583.6	6116.2	3461.1	2281.4	1353.3	1503.8
80°	391.5	379.1	513.7	1020.3	2501.1	4111.1	2403.6	1032.7	653.6	412.7	435.7
82.5°	232.0	212.6	255.1	372.0	637.7	1291.3	619.9	387.9	311.7	209.0	226.7
85°	132.8	124.0	150.6	180.7	214.3	274.5	178.9	184.2	166.5	111.6	116.9
87.5°	54.9	49.6	58.5	56.7	49.6	63.8	47.8	56.7	67.3	44.3	40.7
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)