

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: P940923

Luminaire Tested: **GALN-SB4B-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4B-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18443 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 147
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

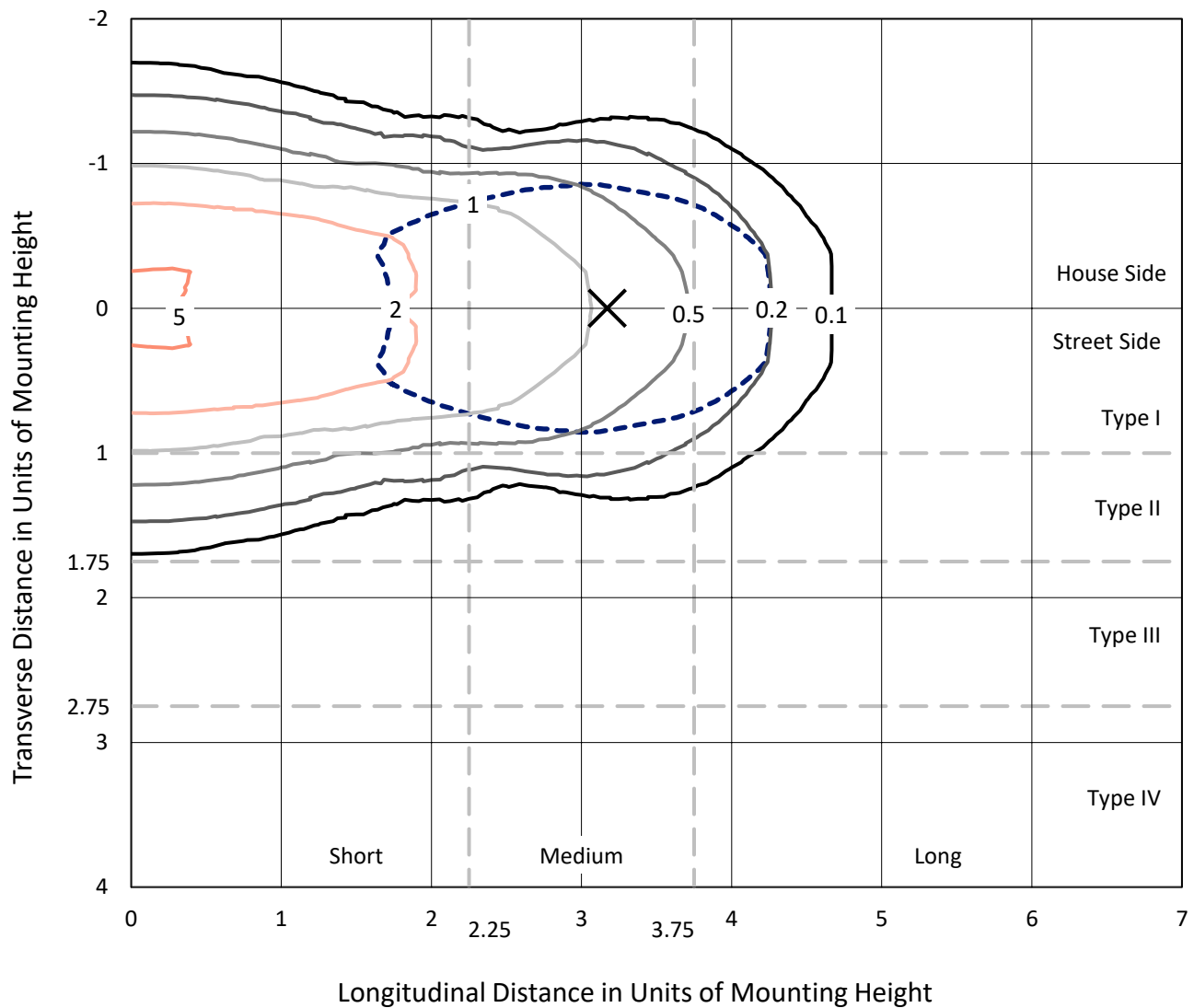


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Iso-Footcandle Lines of Horizontal Illumination

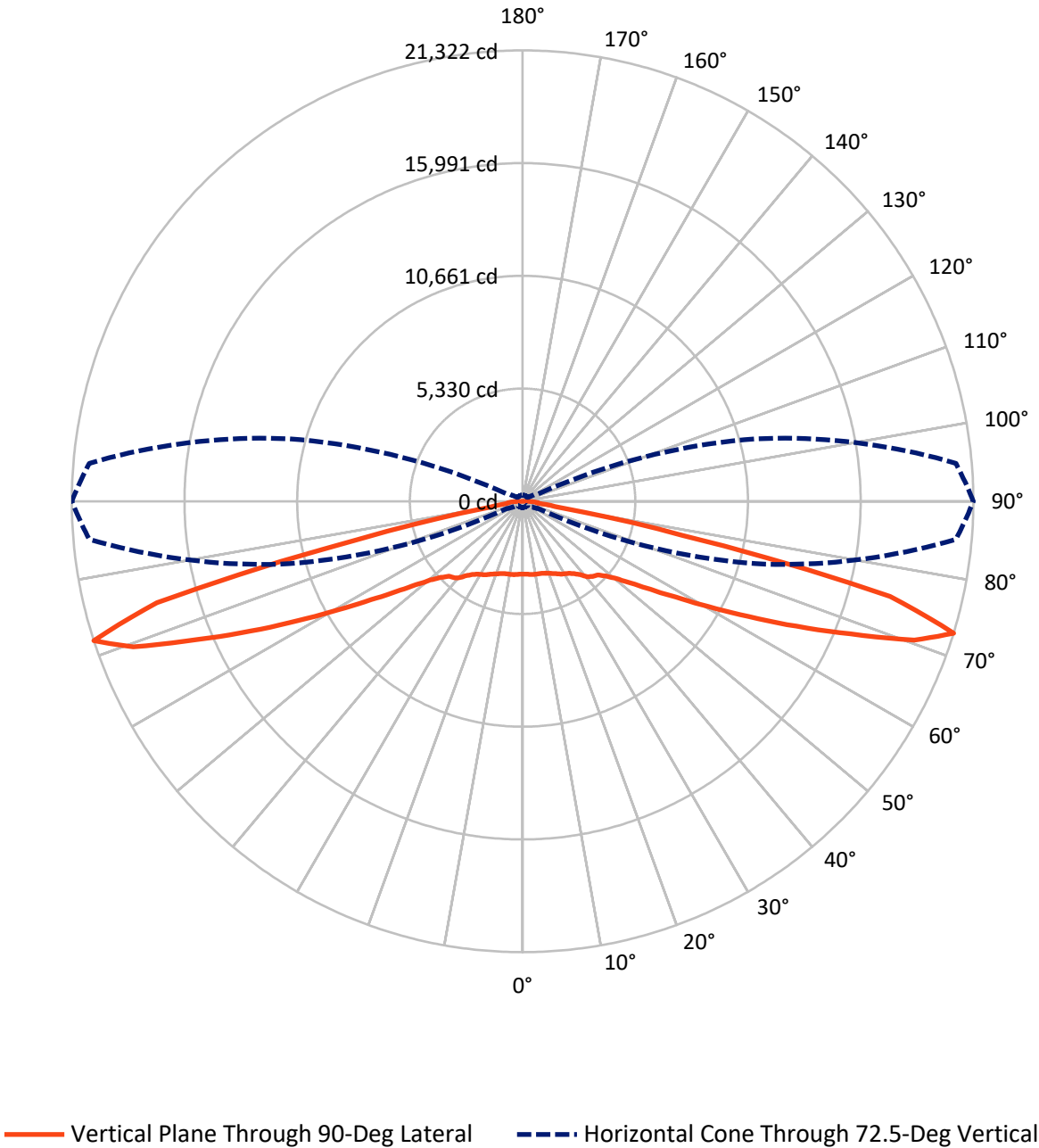
× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
Type I - Short - N/A

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Luminous Intensity Polar Plot



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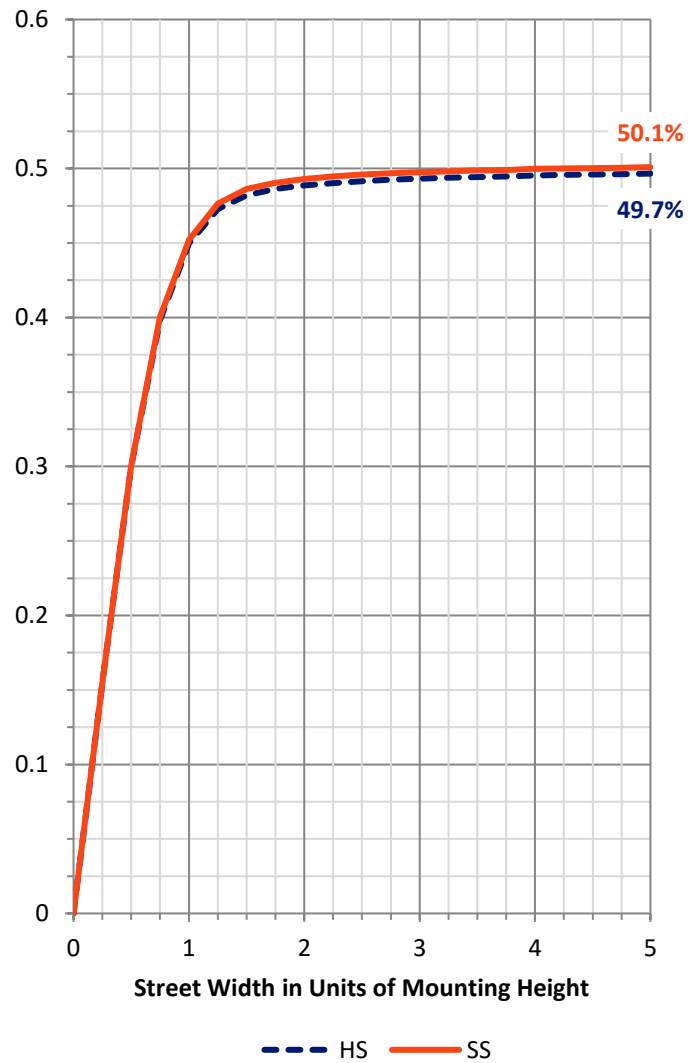
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9221.5	0.0	9221.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9221.5	0.0	9221.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18443.0	0.0	18443.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.2	1.8
10°-20°	1021.7	5.5
20°-30°	1703.6	9.2
30°-40°	2343.0	12.7
40°-50°	2861.5	15.5
50°-60°	3309.6	17.9
60°-70°	3946.1	21.4
70°-80°	2754.1	14.9
80°-90°	169.2	0.9
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°	18443.0	100.0
0°-180°	18443.0	100.0

Coefficient of Utilization



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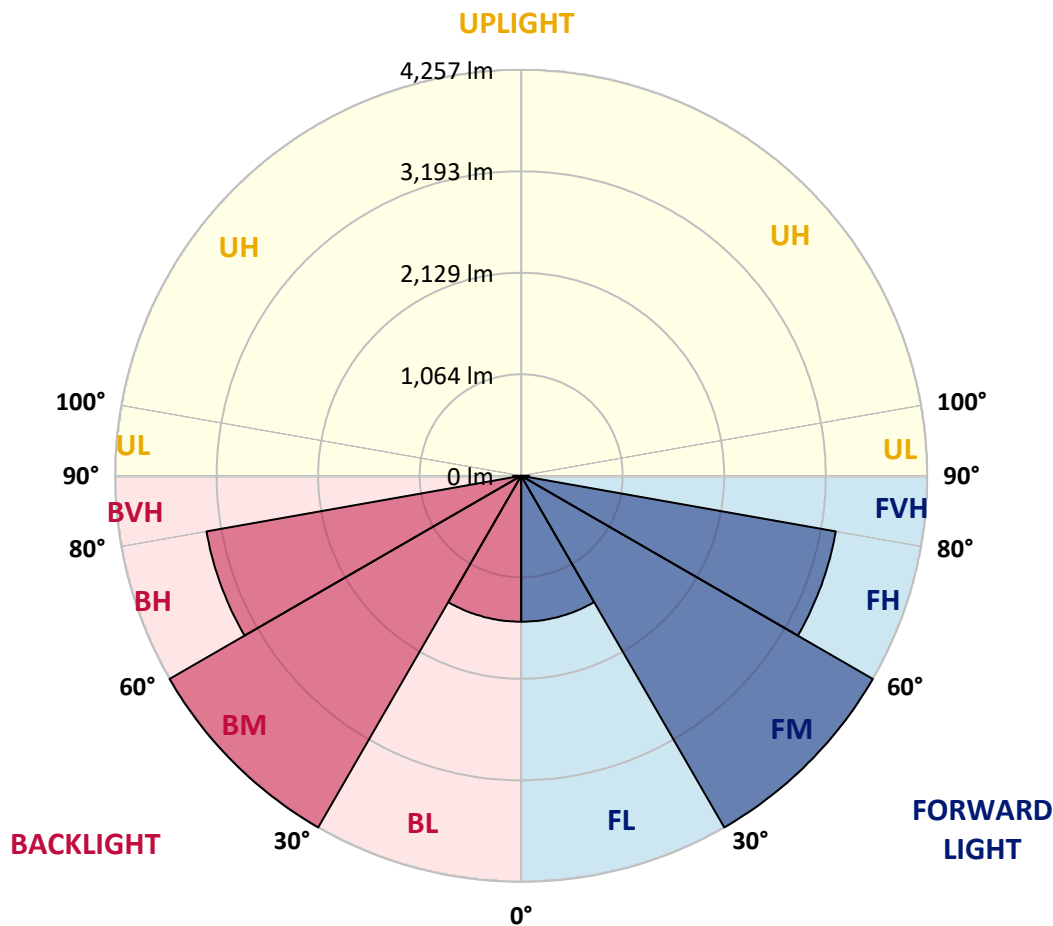
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1529.8	8.3			
FM	(30°-60°)	4257.0	23.1			
FH	(60°-80°)	3350.1	18.2			G2/5000
FVH	(80°-90°)	84.6	0.5			G1/100
BL	(0°-30°)	1529.8	8.3	B3/2500		
BM	(30°-60°)	4257.0	23.1	B3/5000		
BH	(60°-80°)	3350.1	18.2	B4/5000		G4/5000
BVH	(80°-90°)	84.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3
2.5°	3449.2	3453.1	3453.1	3450.2	3457.1	3451.2	3451.2	3448.2	3451.2	3448.2	3448.2
5°	3466.9	3471.8	3473.7	3472.7	3481.6	3476.7	3476.7	3472.7	3473.7	3470.8	3470.8
7.5°	3500.2	3507.0	3511.0	3515.9	3528.6	3522.7	3518.8	3507.0	3502.1	3494.3	3494.3
10°	3511.0	3518.8	3531.5	3557.0	3586.4	3587.4	3575.7	3546.2	3523.7	3506.1	3503.1
12.5°	3477.6	3488.4	3514.9	3566.8	3632.5	3659.0	3640.3	3591.3	3547.2	3515.9	3511.0
15°	3435.5	3447.2	3487.4	3565.8	3662.9	3724.6	3722.7	3658.0	3587.4	3538.4	3530.6
17.5°	3369.8	3381.6	3439.4	3549.2	3686.4	3788.3	3815.8	3749.1	3650.1	3584.5	3573.7
20°	3251.2	3262.0	3342.4	3496.3	3694.3	3856.0	3927.5	3868.7	3745.2	3656.0	3639.4
22.5°	3097.3	3114.0	3208.1	3405.1	3675.6	3926.6	4055.0	4014.8	3856.0	3732.5	3709.9
25°	2932.7	2950.3	3060.1	3293.4	3627.6	3977.5	4205.9	4180.4	3981.4	3827.6	3796.2
27.5°	2790.5	2809.2	2928.7	3182.6	3553.1	3997.1	4354.9	4367.6	4133.4	3932.4	3899.1
30°	2678.8	2696.4	2823.9	3093.4	3457.1	3977.5	4485.2	4573.5	4288.2	4023.6	3975.6
32.5°	2556.3	2578.8	2713.1	2984.6	3343.4	3930.5	4598.9	4796.0	4467.6	4121.6	4060.8
35°	2401.4	2422.0	2563.1	2835.6	3194.4	3855.0	4694.0	5043.0	4724.4	4270.6	4203.0
37.5°	2213.2	2232.8	2373.0	2649.4	3046.4	3749.1	4766.6	5321.3	5030.2	4485.2	4395.1
40°	2024.0	2042.7	2174.0	2441.6	2869.0	3613.9	4792.0	5593.8	5381.1	4780.3	4684.2
42.5°	1850.6	1867.2	1987.8	2236.7	2670.0	3441.4	4758.7	5831.0	5695.8	4986.1	4862.6
45°	1690.8	1705.5	1812.3	2044.6	2463.2	3231.6	4658.7	6085.9	6070.2	5133.1	4966.5
47.5°	1508.5	1523.2	1633.9	1858.4	2256.3	2985.6	4489.2	6336.8	6590.6	5466.4	5274.3
50°	1286.0	1298.7	1412.4	1643.7	2041.7	2723.9	4253.9	6533.8	7247.4	5971.2	5730.1
52.5°	1022.3	1036.0	1146.8	1378.1	1786.8	2442.6	3944.2	6662.2	8006.0	6708.3	6411.3
55°	760.6	770.4	866.5	1074.3	1471.2	2122.1	3556.0	6698.5	8866.6	7715.9	7344.4
57.5°	551.8	557.7	619.5	774.3	1115.4	1721.2	3084.6	6604.4	9890.9	9007.7	8540.2
60°	447.0	448.9	467.5	536.2	775.3	1268.3	2515.1	6280.9	11002.4	10673.0	10084.0
62.5°	405.8	405.8	410.7	429.3	524.4	837.1	1826.1	5610.5	12194.3	12777.5	11988.4
65°	377.4	377.4	379.3	388.1	413.6	533.2	1152.7	4518.6	13198.9	15242.6	14244.8
67.5°	351.9	352.9	351.9	354.8	369.5	394.0	668.5	3120.9	13740.0	17796.9	16719.7
70°	325.4	327.4	322.5	322.5	334.2	335.2	418.5	1711.4	13291.1	19937.6	19654.3
72.5°	294.1	297.0	289.1	287.2	296.0	292.1	314.6	821.4	11411.1	20576.7	21321.6
75°	266.6	270.5	252.9	248.0	248.0	245.0	255.8	421.5	7406.1	16785.4	17953.7
77.5°	242.1	249.9	221.5	205.8	201.9	193.1	208.8	257.8	3239.5	7880.5	7716.9
80°	200.0	210.7	182.3	163.7	156.8	147.0	164.7	180.4	963.5	1830.0	1752.5
82.5°	149.0	153.9	129.4	116.6	110.8	103.9	123.5	125.5	313.7	647.9	732.2
85°	95.1	97.0	79.4	68.6	65.7	62.7	78.4	68.6	119.6	476.4	692.0
87.5°	33.3	38.2	30.4	27.4	29.4	24.5	36.3	20.6	33.3	336.2	416.6
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)