

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: P940973

Luminaire Tested: **GALN-SB4B-750-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940973
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-750-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23620 lumens
Efficiency: N/A
Efficacy: 160.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

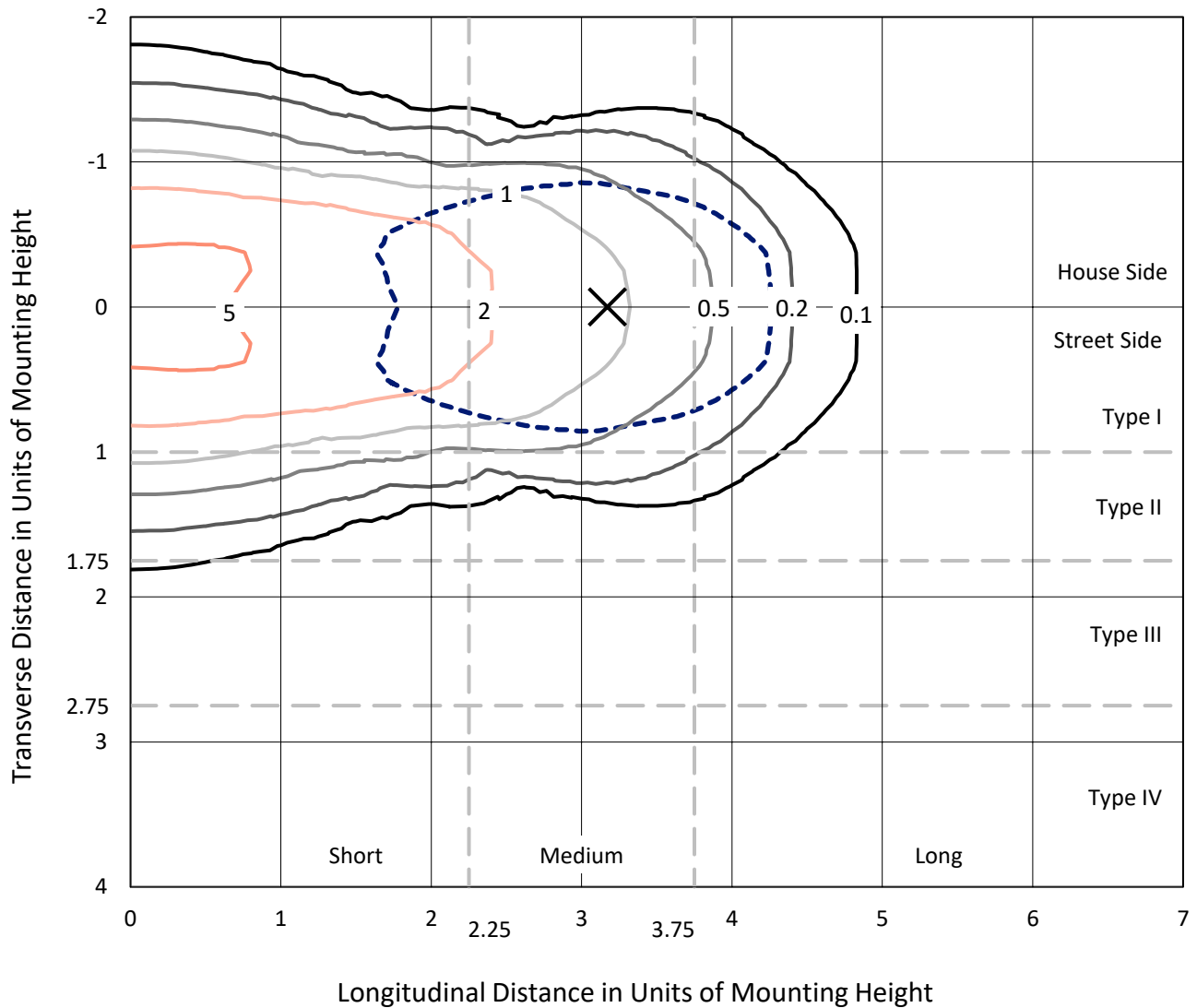
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

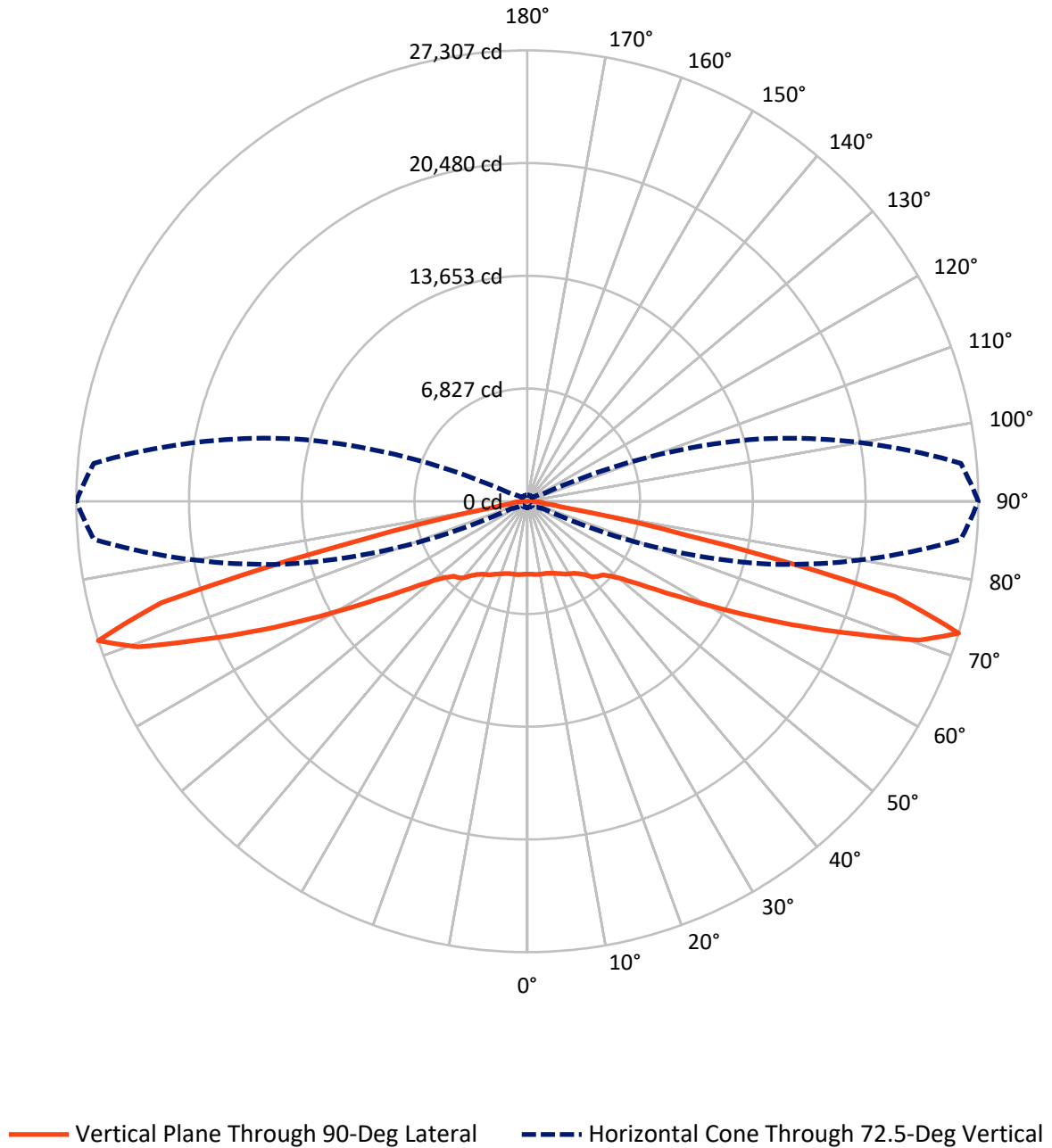
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	11810.0	0.0	11810.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11810.0	0.0	11810.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23620.0	0.0	23620.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.0	1.8
10°-20°	1308.5	5.5
20°-30°	2181.8	9.2
30°-40°	3000.7	12.7
40°-50°	3664.7	15.5
50°-60°	4238.6	17.9
60°-70°	5053.8	21.4
70°-80°	3527.2	14.9
80°-90°	216.7	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°	23620.0	100.0
0°-180°	23620.0	100.0

Coefficient of Utilization



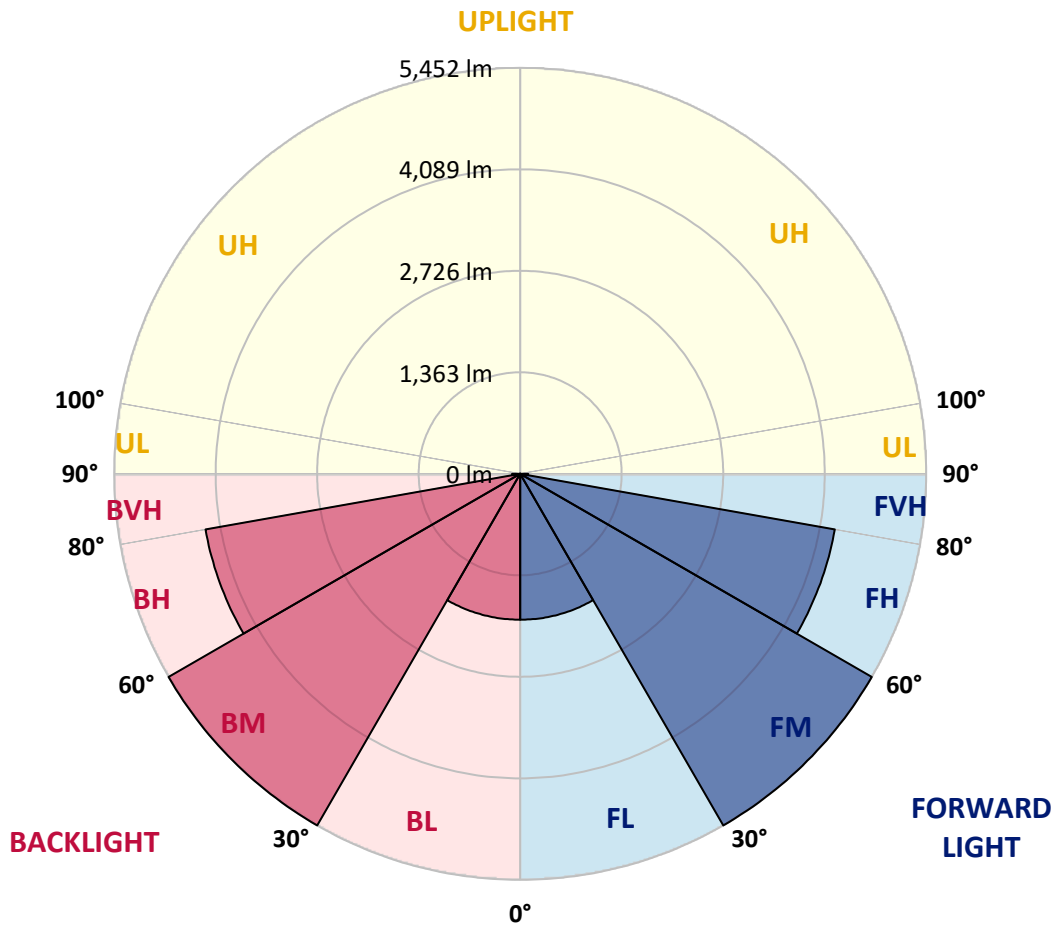
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1959.2	8.3			
FM (30°-60°)	5452.0	23.1			
FH (60°-80°)	4290.5	18.2			G2/5000
FVH (80°-90°)	108.3	0.5			G2/225
BL (0°-30°)	1959.2	8.3	B3/2500		
BM (30°-60°)	5452.0	23.1	B4/8500		
BH (60°-80°)	4290.5	18.2	B4/5000		G4/5000
BVH (80°-90°)	108.3	0.5			G2/225
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°
0°	4413.6	4413.6	4413.6	4413.6	4413.6	4413.6	4413.6	4413.6	4413.6	4413.6
2.5°	4417.4	4422.4	4422.4	4418.7	4427.5	4419.9	4419.9	4416.2	4419.9	4416.2
5°	4440.0	4446.3	4448.8	4447.5	4458.8	4452.6	4452.6	4447.5	4448.8	4445.0
7.5°	4482.7	4491.5	4496.5	4502.8	4519.1	4511.6	4506.5	4491.5	4485.2	4475.2
10°	4496.5	4506.5	4522.9	4555.5	4593.2	4594.4	4579.3	4541.7	4512.8	4490.2
12.5°	4453.8	4467.6	4501.5	4568.0	4652.2	4686.0	4662.2	4599.4	4542.9	4502.8
15°	4399.8	4414.9	4466.4	4566.8	4691.1	4770.2	4767.6	4684.8	4594.4	4531.6
17.5°	4315.7	4330.8	4404.9	4545.5	4721.2	4851.7	4886.9	4801.5	4674.7	4590.6
20°	4163.8	4177.6	4280.6	4477.7	4731.2	4938.4	5030.0	4954.7	4796.5	4682.3
22.5°	3966.8	3988.1	4108.6	4360.9	4707.4	5028.7	5193.2	5141.7	4938.4	4780.2
25°	3755.9	3778.5	3919.1	4217.8	4645.9	5094.0	5386.5	5353.9	5099.0	4902.0
27.5°	3573.8	3597.7	3750.8	4076.0	4550.5	5119.1	5577.3	5593.6	5293.6	5036.3
30°	3430.7	3453.3	3616.5	3961.7	4427.5	5094.0	5744.3	5857.2	5492.0	5153.0
32.5°	3273.8	3302.7	3474.7	3822.4	4281.8	5033.8	5889.9	6142.2	5721.7	5278.6
35°	3075.5	3101.9	3282.6	3631.6	4091.0	4937.1	6011.6	6458.5	6050.6	5469.4
37.5°	2834.5	2859.6	3039.1	3393.1	3901.5	4801.5	6104.5	6815.0	6442.2	5744.3
40°	2592.2	2616.1	2784.3	3127.0	3674.3	4628.3	6137.2	7164.0	6891.6	6122.1
42.5°	2370.0	2391.4	2545.8	2864.6	3419.4	4407.4	6094.5	7467.8	7294.6	6385.7
45°	2165.4	2184.2	2321.1	2618.6	3154.6	4138.7	5966.5	7794.2	7774.1	6574.0
47.5°	1931.9	1950.7	2092.6	2380.1	2889.7	3823.7	5749.3	8115.5	8440.7	7000.8
50°	1647.0	1663.3	1808.9	2105.1	2614.8	3488.5	5448.0	8367.9	9281.7	7647.3
52.5°	1309.3	1326.9	1468.7	1765.0	2288.4	3128.2	5051.3	8532.3	10253.3	8591.3
55°	974.1	986.7	1109.7	1375.8	1884.2	2717.7	4554.2	8578.7	11355.5	9881.7
57.5°	706.7	714.3	793.4	991.7	1428.5	2204.3	3950.4	8458.2	12667.3	11536.2
60°	572.4	574.9	598.8	686.7	992.9	1624.4	3221.1	8044.0	14090.8	13669.0
62.5°	519.7	519.7	526.0	549.8	671.6	1072.0	2338.6	7185.4	15617.2	16364.1
65°	483.3	483.3	485.8	497.1	529.7	682.9	1476.2	5786.9	16903.9	19521.2
67.5°	450.7	451.9	450.7	454.4	473.2	504.6	856.1	3996.9	17596.8	22792.5
70°	416.8	419.3	413.0	413.0	428.1	429.3	536.0	2191.8	17021.9	25534.1
72.5°	376.6	380.4	370.3	367.8	379.1	374.1	403.0	1051.9	14614.2	26352.6
75°	341.4	346.5	323.9	317.6	317.6	313.8	327.6	539.8	9485.1	21497.1
77.5°	310.1	320.1	283.7	263.6	258.6	247.3	267.4	330.1	4148.8	10092.6
80°	256.1	269.9	233.5	209.6	200.8	188.3	210.9	231.0	1234.0	2343.7
82.5°	190.8	197.1	165.7	149.4	141.8	133.1	158.2	160.7	401.7	829.8
85°	121.8	124.3	101.7	87.9	84.1	80.3	100.4	87.9	153.1	610.1
87.5°	42.7	49.0	38.9	35.1	37.7	31.4	46.4	26.4	42.7	430.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4413.6
4416.2
4445.0
4475.2
4486.5
4496.5
4521.6
4576.8
4660.9
4751.3
4861.8
4993.6
5091.5
5200.7
5382.7
5628.8
5999.1
6227.6
6360.6
6754.8
7338.5
8210.9
9406.0
10937.5
12914.6
15353.6
18243.3
21413.0
25171.3
27306.6
22993.4
9883.0
2244.5
937.7
886.2
533.5
0.0

OF REPORT)