

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: P940273

Luminaire Tested: **GALN-SB3B-735-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940273
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-SB3B-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16714 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

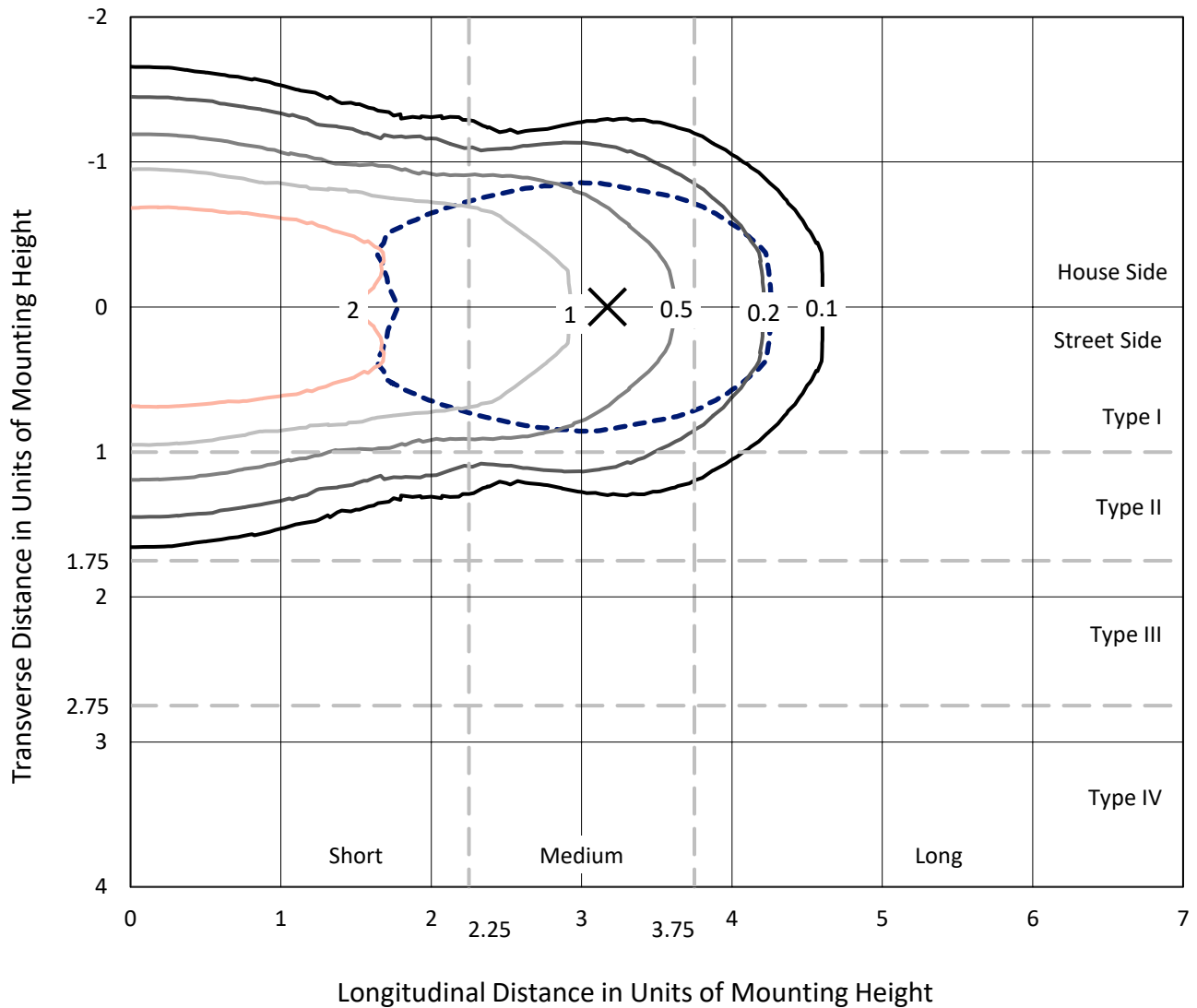
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

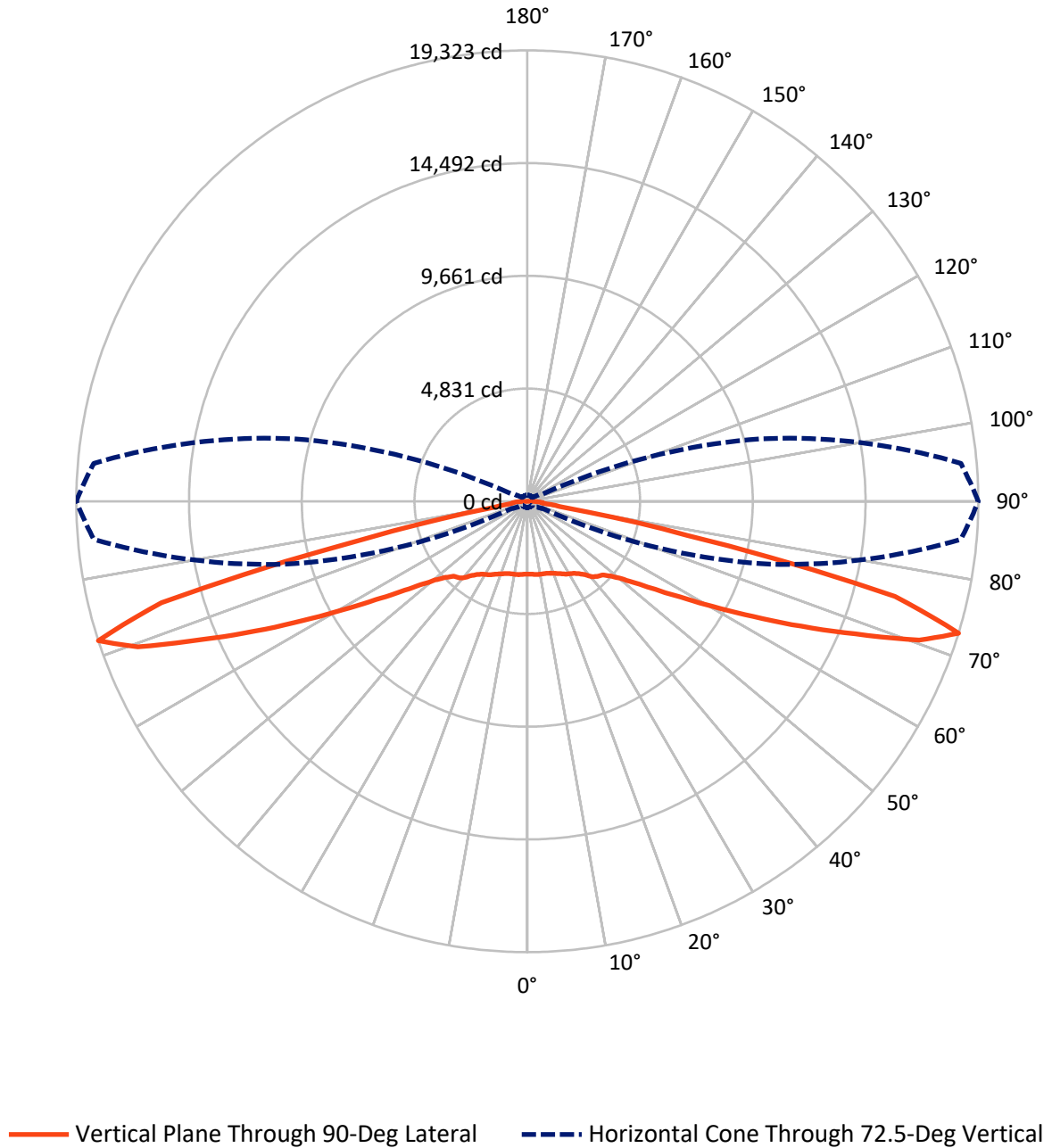
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8357.0	0.0	8357.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8357.0	0.0	8357.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16714.0	0.0	16714.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.8	1.8
10°-20°	925.9	5.5
20°-30°	1543.9	9.2
30°-40°	2123.4	12.7
40°-50°	2593.2	15.5
50°-60°	2999.3	17.9
60°-70°	3576.2	21.4
70°-80°	2495.9	14.9
80°-90°	153.3	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°	16714.0	100.0
0°-180°	16714.0	100.0

Coefficient of Utilization



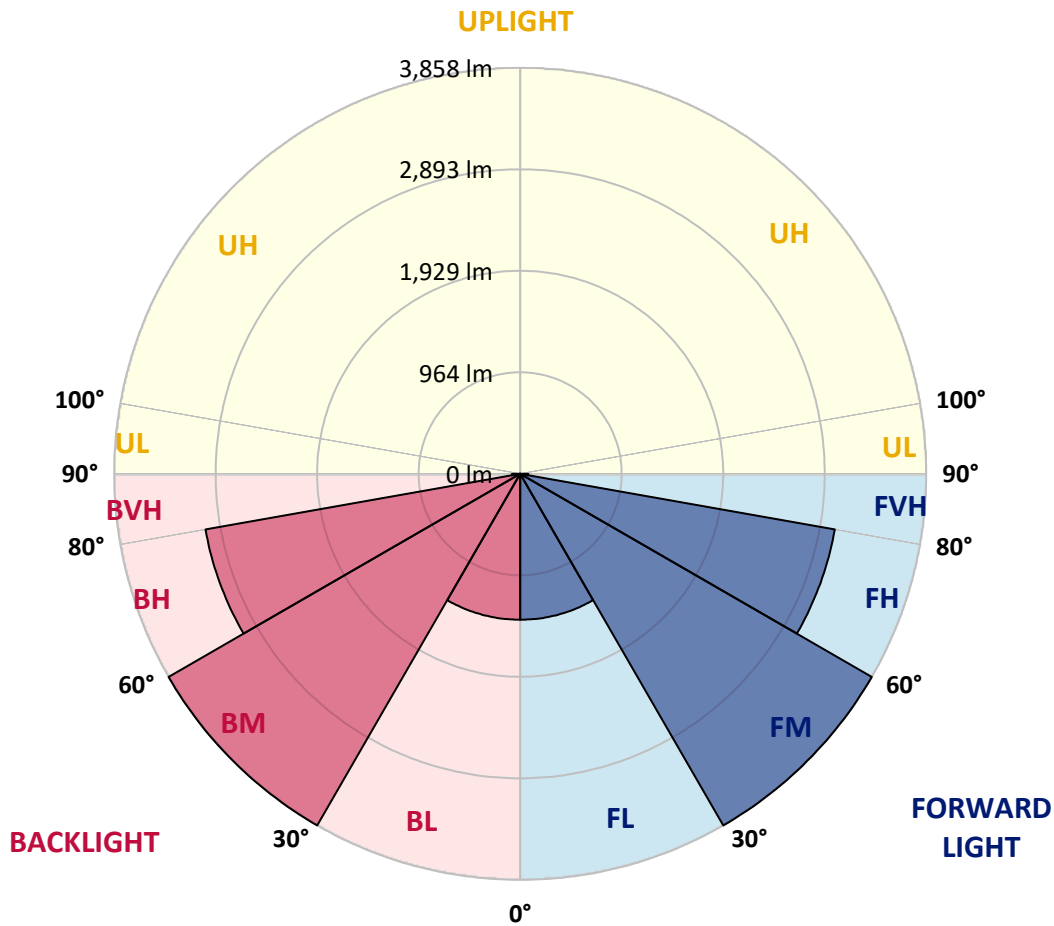
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1386.3	8.3			
FM (30°-60°)	3857.9	23.1			
FH (60°-80°)	3036.1	18.2			G2/5000
FVH (80°-90°)	76.7	0.5			G1/100
BL (0°-30°)	1386.3	8.3	B3/2500		
BM (30°-60°)	3857.9	23.1	B3/5000		
BH (60°-80°)	3036.1	18.2	B4/5000		G4/5000
BVH (80°-90°)	76.7	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°
0°	3123.2	3123.2	3123.2	3123.2	3123.2	3123.2	3123.2	3123.2	3123.2	3123.2
2.5°	3125.9	3129.4	3129.4	3126.7	3133.0	3127.6	3127.6	3125.0	3127.6	3125.0
5°	3141.8	3146.3	3148.1	3147.2	3155.2	3150.7	3150.7	3147.2	3148.1	3145.4
7.5°	3172.0	3178.3	3181.8	3186.3	3197.8	3192.5	3188.9	3178.3	3173.8	3166.7
10°	3181.8	3188.9	3200.5	3223.6	3250.2	3251.1	3240.4	3213.8	3193.4	3177.4
12.5°	3151.6	3161.4	3185.4	3232.4	3292.0	3315.9	3299.1	3254.7	3214.7	3186.3
15°	3113.4	3124.1	3160.5	3231.6	3319.5	3375.5	3373.7	3315.1	3251.1	3206.7
17.5°	3053.9	3064.6	3117.0	3216.5	3340.8	3433.2	3458.1	3397.7	3307.9	3248.4
20°	2946.4	2956.2	3029.0	3168.5	3347.9	3494.5	3559.3	3506.0	3394.1	3313.3
22.5°	2807.0	2822.1	2907.3	3085.9	3331.0	3558.4	3674.8	3638.4	3494.5	3382.6
25°	2657.7	2673.7	2773.2	2984.6	3287.5	3604.6	3811.6	3788.5	3608.2	3468.7
27.5°	2528.9	2545.8	2654.2	2884.2	3220.0	3622.4	3946.6	3958.2	3745.9	3563.8
30°	2427.7	2443.7	2559.1	2803.4	3133.0	3604.6	4064.8	4144.7	3886.2	3646.4
32.5°	2316.6	2337.1	2458.8	2704.8	3029.9	3562.0	4167.8	4346.3	4048.8	3735.2
35°	2176.3	2194.9	2322.8	2569.8	2894.9	3493.6	4254.0	4570.2	4281.5	3870.2
37.5°	2005.7	2023.5	2150.5	2401.0	2760.8	3397.7	4319.7	4822.5	4558.6	4064.8
40°	1834.3	1851.2	1970.2	2212.7	2600.0	3275.1	4342.8	5069.4	4876.6	4332.1
42.5°	1677.1	1692.2	1801.4	2027.1	2419.7	3118.7	4312.6	5284.4	5161.8	4518.7
45°	1532.3	1545.6	1642.4	1852.9	2232.2	2928.7	4222.0	5515.3	5501.1	4651.9
47.5°	1367.1	1380.4	1480.8	1684.2	2044.8	2705.7	4068.3	5742.7	5972.8	4953.9
50°	1165.4	1177.0	1280.0	1489.6	1850.3	2468.5	3855.1	5921.3	6567.9	5411.4
52.5°	926.5	938.9	1039.3	1248.9	1619.3	2213.6	3574.4	6037.6	7255.5	6079.4
55°	689.3	698.2	785.2	973.6	1333.3	1923.1	3222.7	6070.5	8035.4	6992.5
57.5°	500.1	505.4	561.4	701.7	1010.9	1559.8	2795.4	5985.2	8963.6	8163.3
60°	405.1	406.8	423.7	485.9	702.6	1149.4	2279.3	5692.1	9970.9	9672.5
62.5°	367.7	367.7	372.2	389.1	475.2	758.6	1654.9	5084.5	11051.1	11579.6
65°	342.0	342.0	343.8	351.8	374.9	483.2	1044.6	4095.0	11961.6	13813.6
67.5°	318.9	319.8	318.9	321.6	334.9	357.1	605.8	2828.3	12451.9	16128.5
70°	294.9	296.7	292.2	292.2	302.9	303.8	379.3	1550.9	12045.1	18068.5
72.5°	266.5	269.1	262.0	260.3	268.3	264.7	285.1	744.4	10341.3	18647.6
75°	241.6	245.2	229.2	224.7	224.7	222.1	231.8	382.0	6711.8	15211.8
77.5°	219.4	226.5	200.8	186.5	183.0	175.0	189.2	233.6	2935.8	7141.8
80°	181.2	191.0	165.2	148.3	142.1	133.2	149.2	163.4	873.2	1658.4
82.5°	135.0	139.5	117.3	105.7	100.4	94.2	111.9	113.7	284.2	587.2
85°	86.2	87.9	72.0	62.2	59.5	56.8	71.1	62.2	108.4	431.7
87.5°	30.2	34.6	27.5	24.9	26.6	22.2	32.9	18.7	30.2	304.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3123.2
3125.0
3145.4
3166.7
3174.7
3181.8
3199.6
3238.7
3298.2
3362.1
3440.3
3533.6
3602.9
3680.1
3808.9
3983.0
4245.1
4406.7
4500.9
4779.8
5192.9
5810.2
6655.9
7739.6
9138.6
10864.5
12909.4
15152.3
17811.8
19322.7
16270.6
6993.4
1588.2
663.5
627.1
377.5
0.0

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