

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: P941133

Luminaire Tested: **GALN-SB4C-740-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941133
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-SB4C-740-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31414 lumens
Efficiency: N/A
Efficacy: 156.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

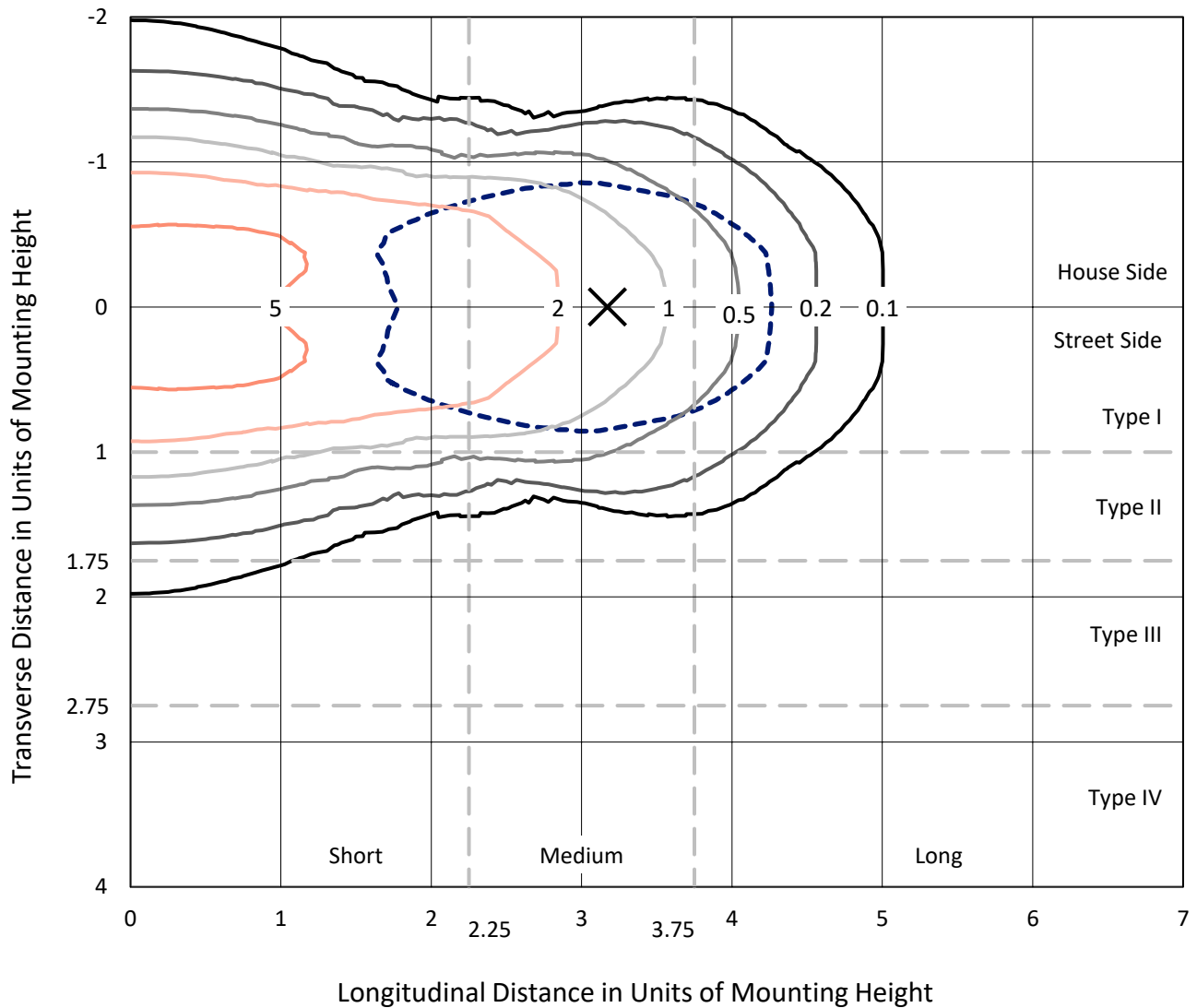
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

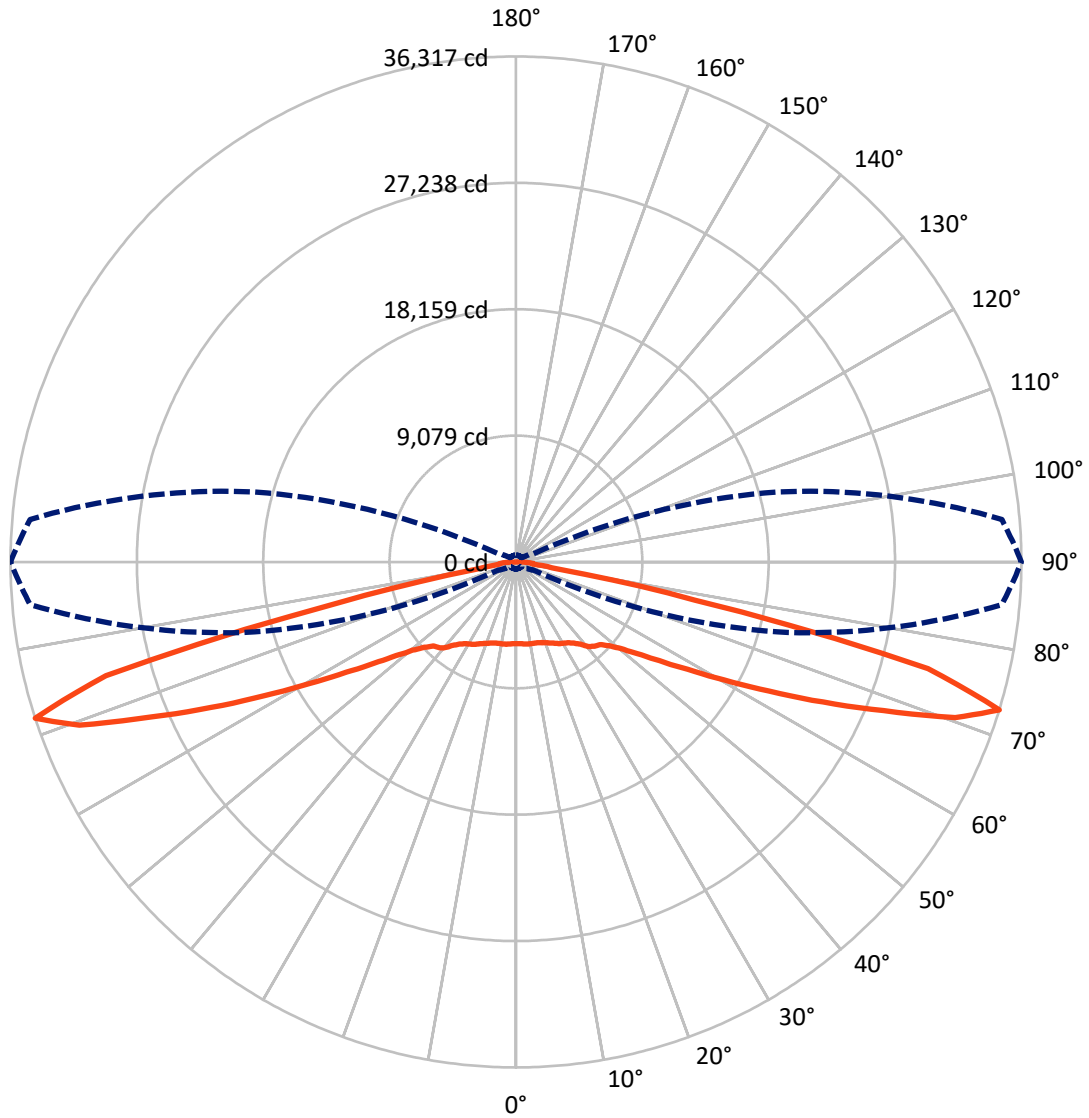
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15707.0	0.0	15707.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15707.0	0.0	15707.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31414.0	0.0	31414.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	569.2	1.8
10°-20°	1740.3	5.5
20°-30°	2901.8	9.2
30°-40°	3990.9	12.7
40°-50°	4873.9	15.5
50°-60°	5637.2	17.9
60°-70°	6721.5	21.4
70°-80°	4691.1	14.9
80°-90°	288.1	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°	31414.0	100.0
0°-180°	31414.0	100.0

Coefficient of Utilization



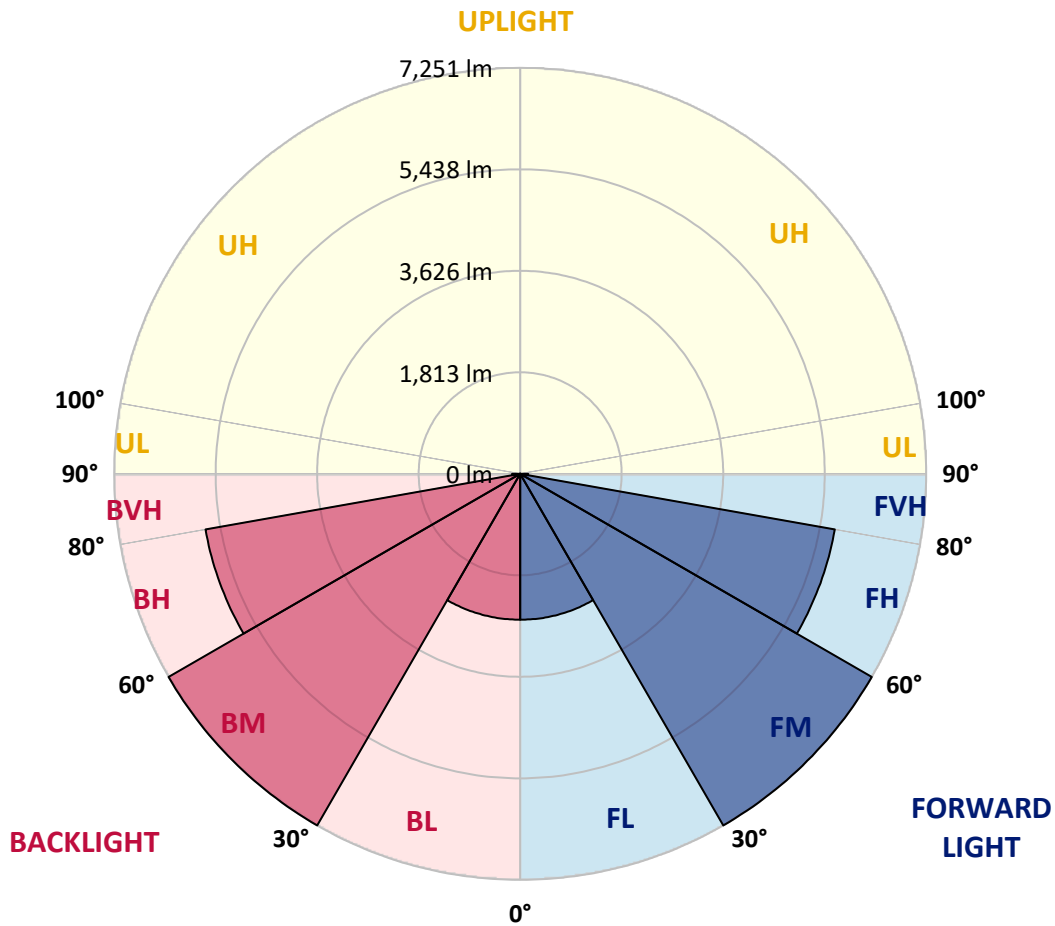
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2605.6	8.3			
FM (30°-60°)	7251.0	23.1			
FH (60°-80°)	5706.3	18.2			G3/7500
FVH (80°-90°)	144.1	0.5			G2/225
BL (0°-30°)	2605.6	8.3	B4/5000		
BM (30°-60°)	7251.0	23.1	B4/8500		
BH (60°-80°)	5706.3	18.2	B5		G5
BVH (80°-90°)	144.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5870.0	5870.0	5870.0	5870.0	5870.0	5870.0	5870.0	5870.0	5870.0	5870.0
2.5°	5875.0	5881.7	5881.7	5876.7	5888.4	5878.4	5878.4	5873.4	5878.4	5873.4
5°	5905.1	5913.4	5916.8	5915.1	5930.1	5921.8	5921.8	5915.1	5916.8	5911.8
7.5°	5961.9	5973.5	5980.2	5988.6	6010.3	6000.3	5993.6	5973.5	5965.2	5951.8
10°	5980.2	5993.6	6015.3	6058.7	6108.8	6110.4	6090.4	6040.3	6001.9	5971.9
12.5°	5923.5	5941.8	5986.9	6075.4	6187.2	6232.3	6200.6	6117.1	6042.0	5988.6
15°	5851.7	5871.7	5940.2	6073.7	6239.0	6344.2	6340.8	6230.7	6110.4	6027.0
17.5°	5739.8	5759.8	5858.4	6045.3	6279.1	6452.7	6499.4	6385.9	6217.3	6105.4
20°	5537.8	5556.2	5693.1	5955.2	6292.4	6567.9	6689.8	6589.6	6379.2	6227.3
22.5°	5275.7	5304.1	5464.3	5799.9	6260.7	6688.1	6906.8	6838.4	6567.9	6357.5
25°	4995.2	5025.3	5212.2	5609.6	6178.9	6774.9	7163.9	7120.5	6781.6	6519.5
27.5°	4753.1	4784.8	4988.5	5420.9	6052.0	6808.3	7417.7	7439.4	7040.4	6698.1
30°	4562.8	4592.9	4809.9	5269.0	5888.4	6774.9	7639.7	7790.0	7304.2	6853.4
32.5°	4354.1	4392.5	4621.2	5083.7	5694.7	6694.8	7833.4	8169.0	7609.7	7020.3
35°	4090.3	4125.4	4365.8	4829.9	5441.0	6566.2	7995.3	8589.7	8047.1	7274.1
37.5°	3769.8	3803.2	4041.9	4512.7	5188.9	6385.9	8118.9	9063.8	8568.0	7639.7
40°	3447.6	3479.3	3703.0	4158.8	4886.7	6155.5	8162.3	9528.0	9165.7	8142.3
42.5°	3152.1	3180.4	3385.8	3809.8	4547.8	5861.7	8105.5	9932.0	9701.6	8492.9
45°	2879.9	2905.0	3086.9	3482.6	4195.5	5504.4	7935.2	10366.1	10339.3	8743.3
47.5°	2569.4	2594.4	2783.1	3165.4	3843.2	5085.4	7646.4	10793.5	11225.9	9310.9
50°	2190.4	2212.1	2405.8	2799.8	3477.6	4639.6	7245.7	11129.0	12344.4	10170.7
52.5°	1741.3	1764.7	1953.3	2347.3	3043.5	4160.4	6718.2	11347.7	13636.7	11426.2
55°	1295.5	1312.2	1475.9	1829.8	2506.0	3614.5	6057.0	11409.5	15102.5	13142.5
57.5°	939.9	950.0	1055.1	1318.9	1899.9	2931.7	5254.0	11249.2	16847.1	15342.9
60°	761.3	764.6	796.4	913.2	1320.6	2160.4	4284.0	10698.3	18740.4	18179.4
62.5°	691.2	691.2	699.5	731.3	893.2	1425.8	3110.3	9556.3	20770.5	21763.9
65°	642.8	642.8	646.1	661.1	704.5	908.2	1963.4	7696.5	22481.8	25962.7
67.5°	599.4	601.0	599.4	604.4	629.4	671.1	1138.6	5315.8	23403.4	30313.5
70°	554.3	557.6	549.3	549.3	569.3	571.0	712.9	2915.0	22638.7	33959.7
72.5°	500.9	505.9	492.5	489.2	504.2	497.5	535.9	1399.1	19436.6	35048.3
75°	454.1	460.8	430.7	422.4	422.4	417.4	435.7	717.9	12614.9	28590.6
77.5°	412.4	425.7	377.3	350.6	343.9	328.9	355.6	439.1	5517.8	13423.0
80°	340.6	358.9	310.5	278.8	267.1	250.4	280.5	307.2	1641.1	3117.0
82.5°	253.8	262.1	220.4	198.7	188.7	177.0	210.4	213.7	534.2	1103.6
85°	161.9	165.3	135.2	116.9	111.9	106.8	133.6	116.9	203.7	811.4
87.5°	56.8	65.1	51.8	46.7	50.1	41.7	61.8	35.1	56.8	572.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5870.0
5873.4
5911.8
5951.8
5966.9
5980.2
6013.6
6087.1
6198.9
6319.1
6466.1
6641.4
6771.6
6916.8
7158.9
7486.1
7978.6
8282.5
8459.5
8983.7
9760.0
10920.3
12509.7
14546.5
17176.0
20419.9
24263.2
28478.7
33477.2
36317.1
30580.6
13144.1
2985.1
1247.1
1178.7
709.5
0.0

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