

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: P941123

Luminaire Tested: **GALN-SB4C-735-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941123
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-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29692 lumens
Efficiency: N/A
Efficacy: 147.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

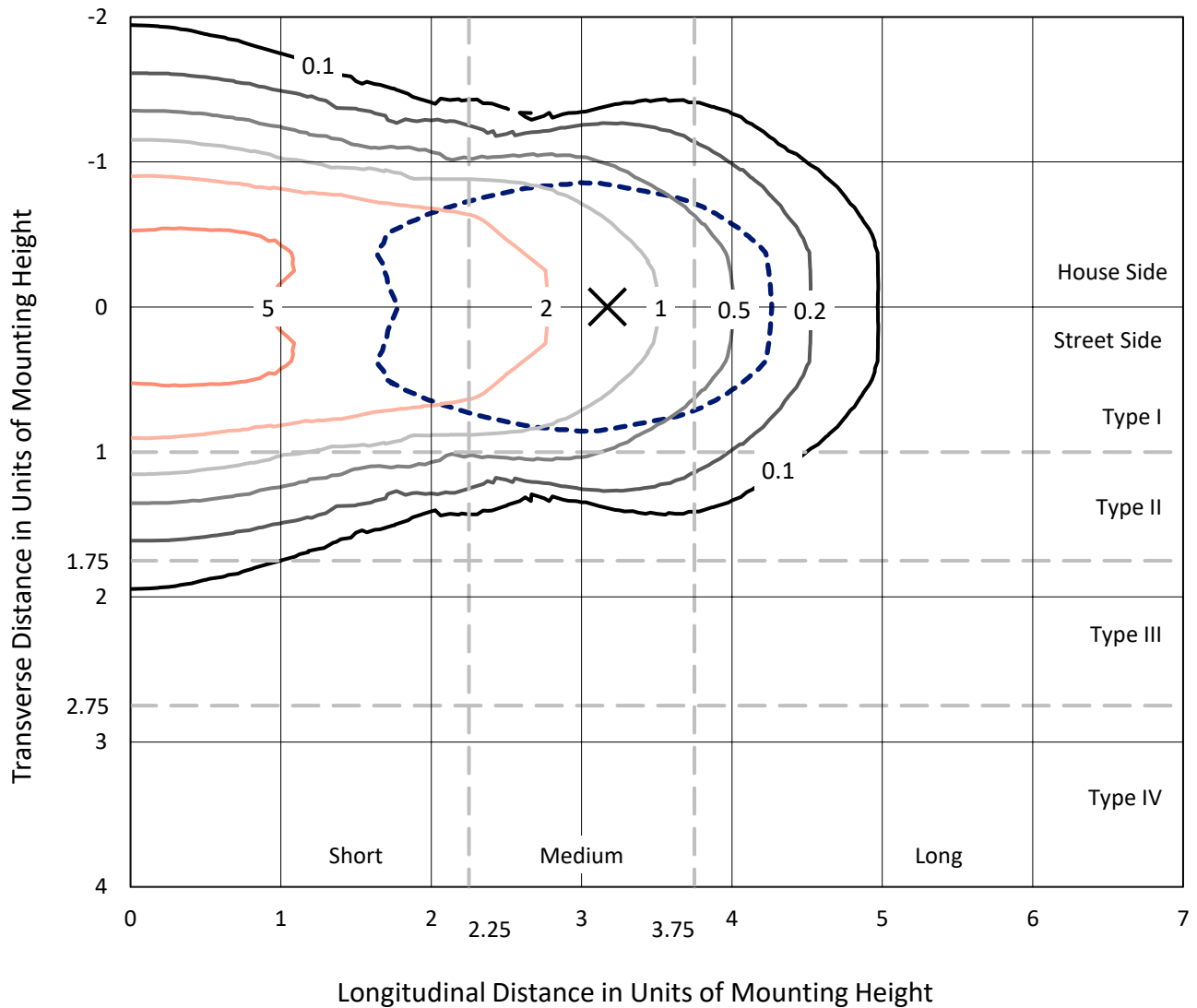
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

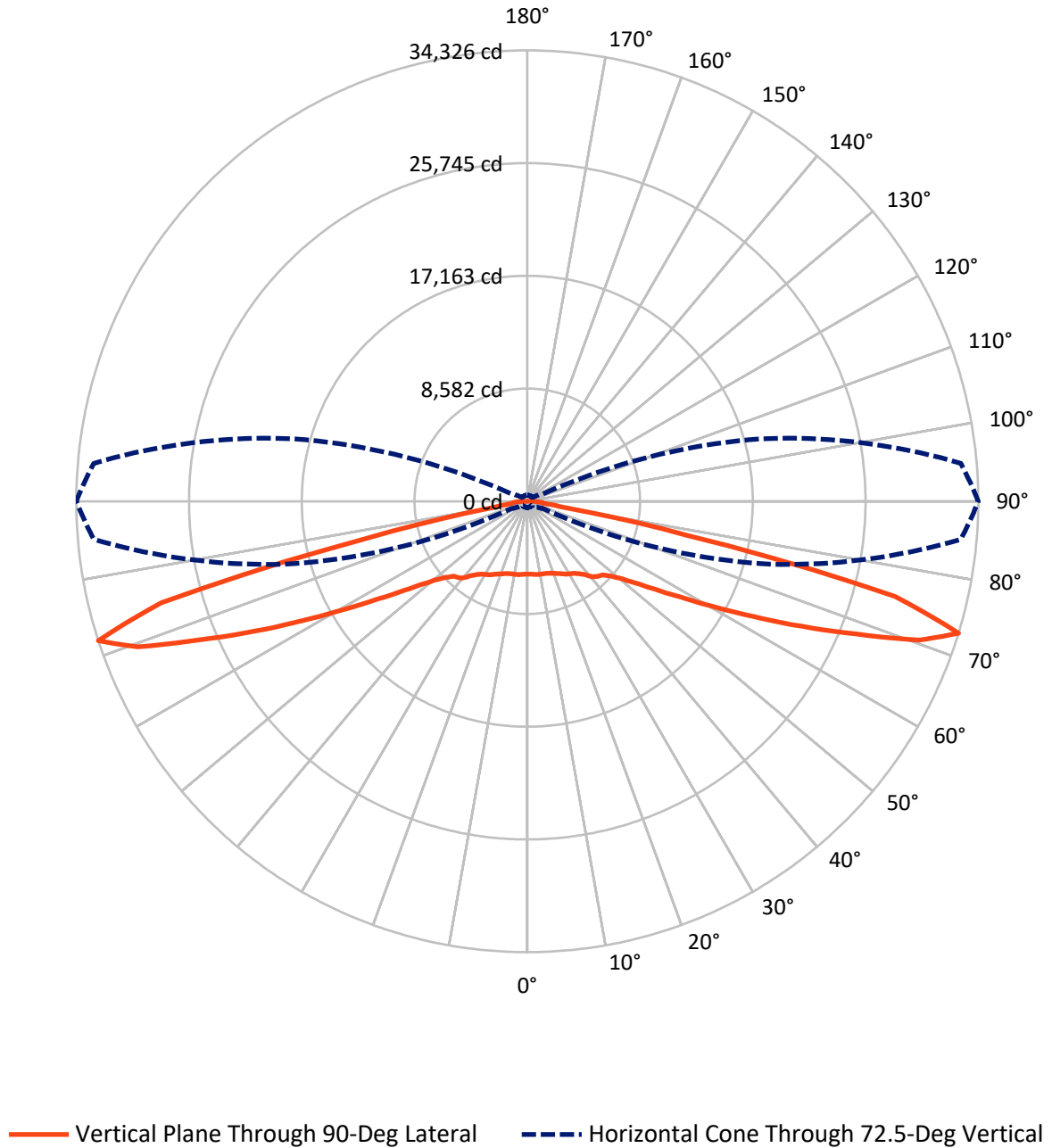
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 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	14846.0	0.0	14846.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14846.0	0.0	14846.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29692.0	0.0	29692.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	538.0	1.8
10°-20°	1644.9	5.5
20°-30°	2742.7	9.2
30°-40°	3772.1	12.7
40°-50°	4606.8	15.5
50°-60°	5328.2	17.9
60°-70°	6353.0	21.4
70°-80°	4434.0	14.9
80°-90°	272.3	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°	29692.0	100.0
0°-180°	29692.0	100.0

Coefficient of Utilization



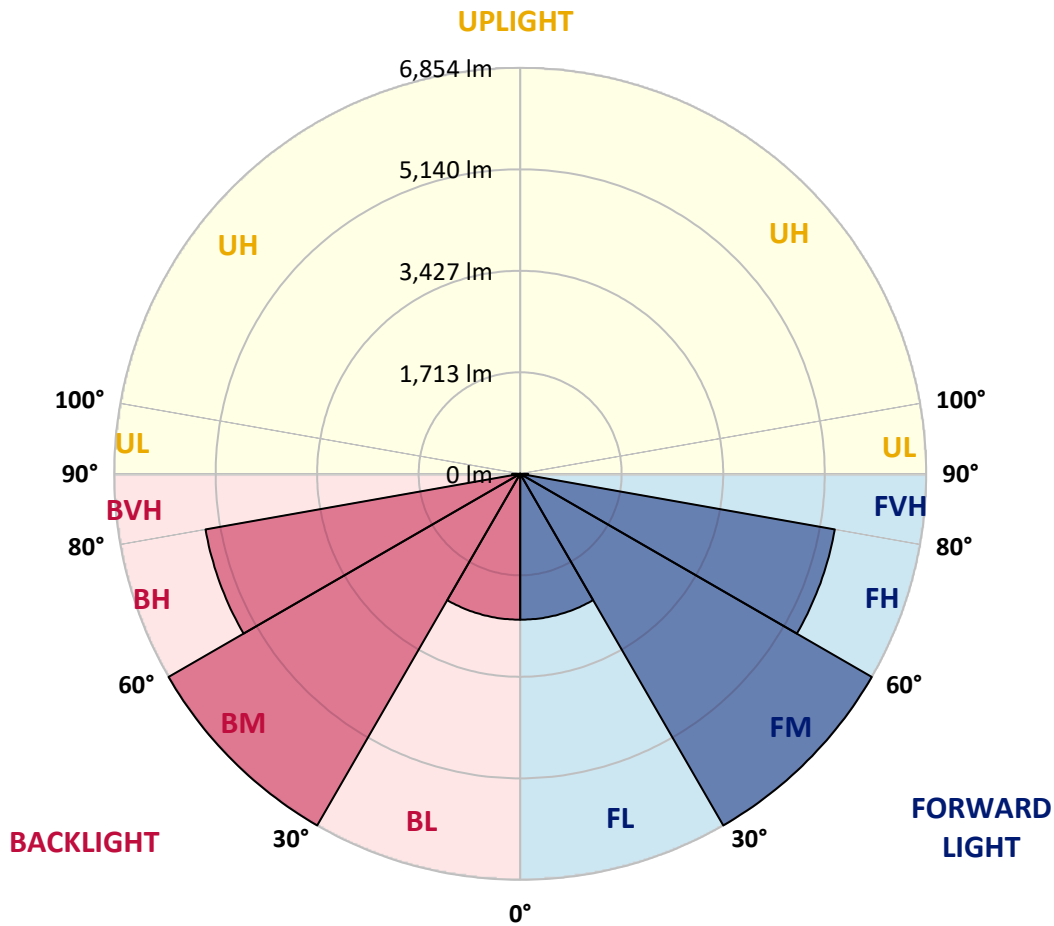
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2462.8	8.3			
FM (30°-60°)	6853.5	23.1			
FH (60°-80°)	5393.5	18.2			G3/7500
FVH (80°-90°)	136.2	0.5			G2/225
BL (0°-30°)	2462.8	8.3	B3/2500		
BM (30°-60°)	6853.5	23.1	B4/8500		
BH (60°-80°)	5393.5	18.2	B5		G5
BVH (80°-90°)	136.2	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°	5548.3	5548.3	5548.3	5548.3	5548.3	5548.3	5548.3	5548.3	5548.3	5548.3
2.5°	5553.0	5559.3	5559.3	5554.6	5565.6	5556.2	5556.2	5551.4	5556.2	5551.4
5°	5581.4	5589.3	5592.4	5590.9	5605.1	5597.2	5597.2	5590.9	5592.4	5587.7
7.5°	5635.1	5646.1	5652.4	5660.3	5680.8	5671.3	5665.0	5646.1	5638.2	5625.6
10°	5652.4	5665.0	5685.6	5726.6	5773.9	5775.5	5756.6	5709.2	5672.9	5644.5
12.5°	5598.8	5616.1	5658.7	5742.4	5848.1	5890.7	5860.7	5781.8	5710.8	5660.3
15°	5530.9	5549.8	5614.5	5740.8	5897.0	5996.4	5993.3	5889.1	5775.5	5696.6
17.5°	5425.2	5444.1	5537.2	5714.0	5934.9	6099.0	6143.2	6035.9	5876.5	5770.8
20°	5234.2	5251.6	5381.0	5628.7	5947.5	6207.9	6323.1	6228.4	6029.6	5886.0
22.5°	4986.5	5013.3	5164.8	5482.0	5917.5	6321.5	6528.2	6463.5	6207.9	6009.0
25°	4721.4	4749.8	4926.5	5302.1	5840.2	6403.5	6771.2	6730.2	6409.9	6162.1
27.5°	4492.6	4522.6	4715.1	5123.8	5720.3	6435.1	7011.1	7031.6	6654.4	6331.0
30°	4312.7	4341.1	4546.2	4980.2	5565.6	6403.5	7220.9	7363.0	6903.8	6477.7
32.5°	4115.4	4151.7	4367.9	4805.0	5382.6	6327.8	7404.0	7721.2	7192.5	6635.5
35°	3866.1	3899.2	4126.5	4565.2	5142.7	6206.3	7557.1	8118.8	7606.0	6875.4
37.5°	3563.1	3594.7	3820.3	4265.3	4904.4	6035.9	7673.8	8567.0	8098.3	7220.9
40°	3258.6	3288.6	3500.0	3930.8	4618.8	5818.1	7714.9	9005.7	8663.2	7695.9
42.5°	2979.3	3006.1	3200.2	3601.0	4298.5	5540.4	7661.2	9387.5	9169.8	8027.3
45°	2722.1	2745.7	2917.7	3291.7	3965.5	5202.7	7500.3	9797.8	9772.6	8264.0
47.5°	2428.5	2452.2	2630.5	2991.9	3632.6	4806.6	7227.3	10201.8	10610.5	8800.5
50°	2070.3	2090.9	2273.9	2646.3	3287.0	4385.3	6848.5	10519.0	11667.8	9613.2
52.5°	1645.9	1668.0	1846.3	2218.7	2876.7	3932.4	6349.9	10725.7	12889.1	10799.9
55°	1224.5	1240.3	1395.0	1729.5	2368.6	3416.4	5725.0	10784.1	14274.6	12422.1
57.5°	888.4	897.9	997.3	1246.6	1795.8	2771.0	4966.0	10632.6	15923.6	14501.9
60°	719.6	722.7	752.7	863.2	1248.2	2041.9	4049.2	10111.9	17713.1	17182.9
62.5°	653.3	653.3	661.2	691.2	844.2	1347.6	2939.8	9032.5	19632.0	20570.9
65°	607.5	607.5	610.7	624.9	665.9	858.4	1855.7	7274.6	21249.4	24539.5
67.5°	566.5	568.1	566.5	571.2	594.9	634.4	1076.2	5024.4	22120.5	28651.8
70°	523.9	527.1	519.2	519.2	538.1	539.7	673.8	2755.2	21397.7	32098.2
72.5°	473.4	478.1	465.5	462.4	476.6	470.2	506.5	1322.4	18371.1	33127.0
75°	429.2	435.5	407.1	399.2	399.2	394.5	411.9	678.5	11923.4	27023.3
77.5°	389.8	402.4	356.6	331.4	325.1	310.9	336.1	415.0	5215.3	12687.2
80°	321.9	339.3	293.5	263.5	252.5	236.7	265.1	290.4	1551.2	2946.1
82.5°	239.9	247.7	208.3	187.8	178.3	167.3	198.8	202.0	505.0	1043.1
85°	153.1	156.2	127.8	110.5	105.7	101.0	126.2	110.5	192.5	766.9
87.5°	53.7	61.5	48.9	44.2	47.3	39.5	58.4	33.1	53.7	541.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5548.3
5551.4
5587.7
5625.6
5639.8
5652.4
5684.0
5753.4
5859.1
5972.7
6111.6
6277.3
6400.4
6537.7
6766.5
7075.8
7541.3
7828.5
7995.7
8491.2
9225.0
10321.7
11824.0
13749.2
16234.5
19300.6
22933.1
26917.6
31642.1
34326.3
28904.3
12423.6
2821.5
1178.8
1114.1
670.7
0.0

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