

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: P942143

Luminaire Tested: **GALN-SB6A-735-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942143
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-SB6A-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26910 lumens
Efficiency: N/A
Efficacy: 157.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

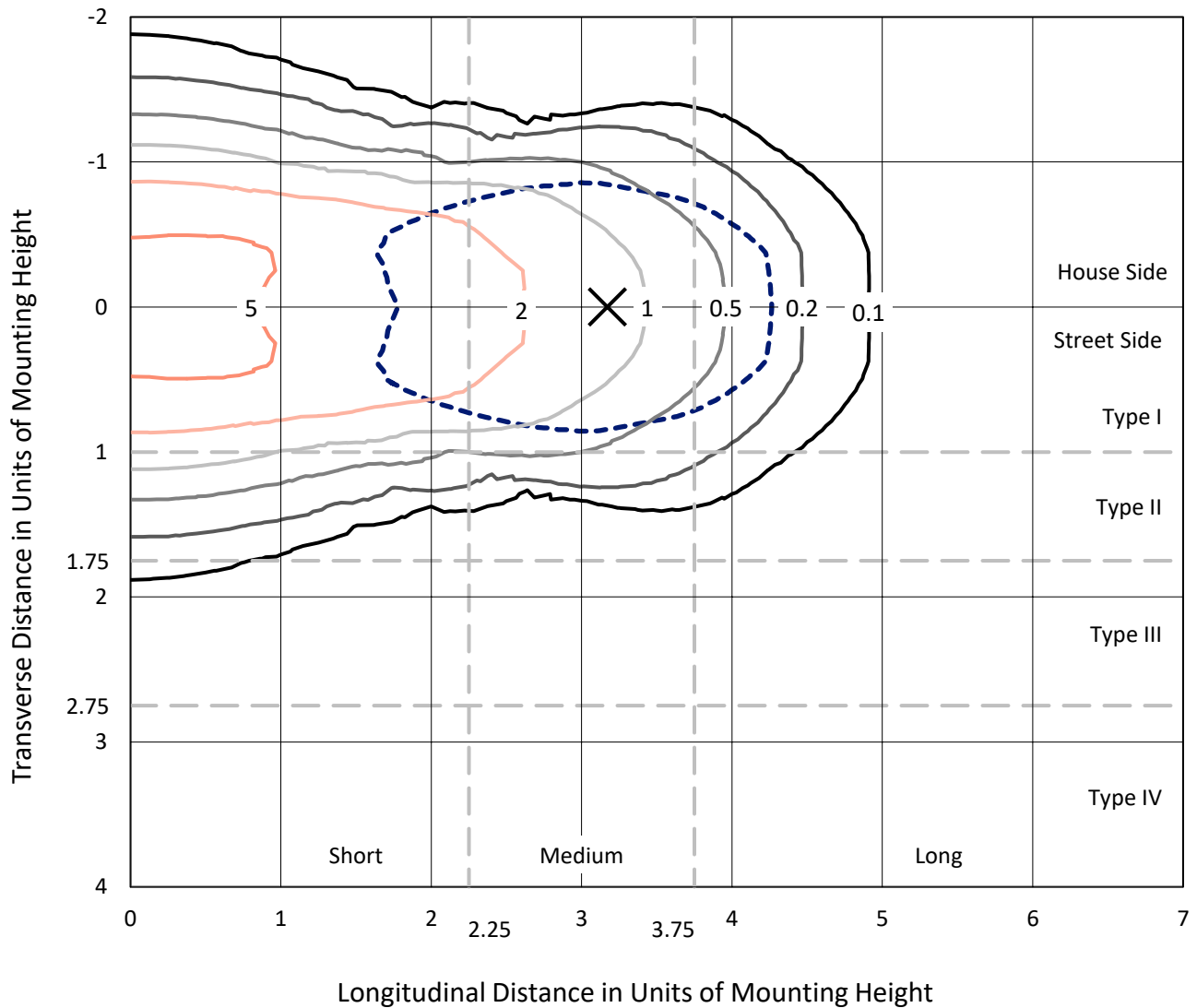
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

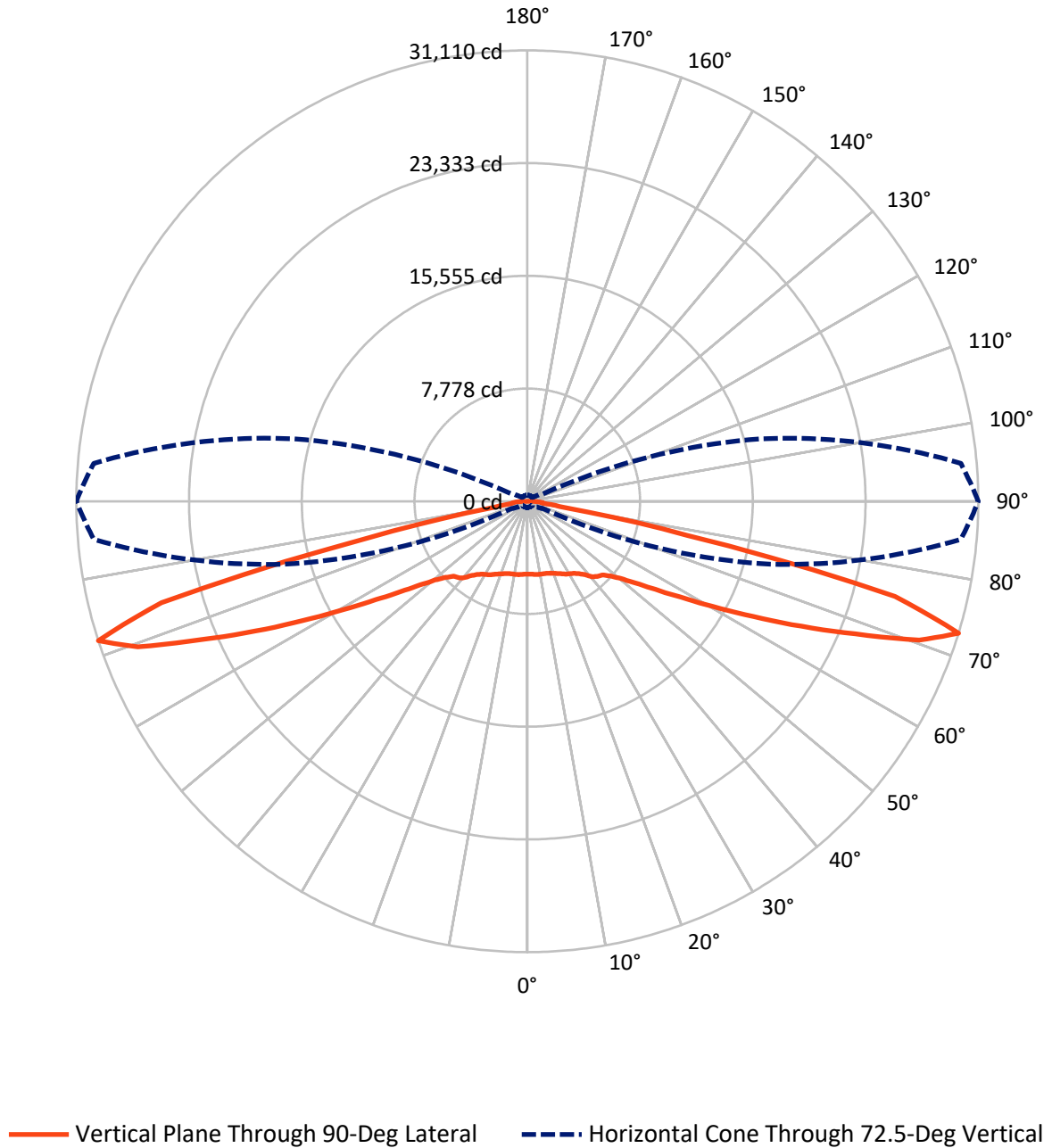
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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	13455.0	0.0	13455.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13455.0	0.0	13455.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26910.0	0.0	26910.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	487.6	1.8
10°-20°	1490.8	5.5
20°-30°	2485.7	9.2
30°-40°	3418.7	12.7
40°-50°	4175.1	15.5
50°-60°	4829.0	17.9
60°-70°	5757.8	21.4
70°-80°	4018.5	14.9
80°-90°	246.8	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°	26910.0	100.0
0°-180°	26910.0	100.0



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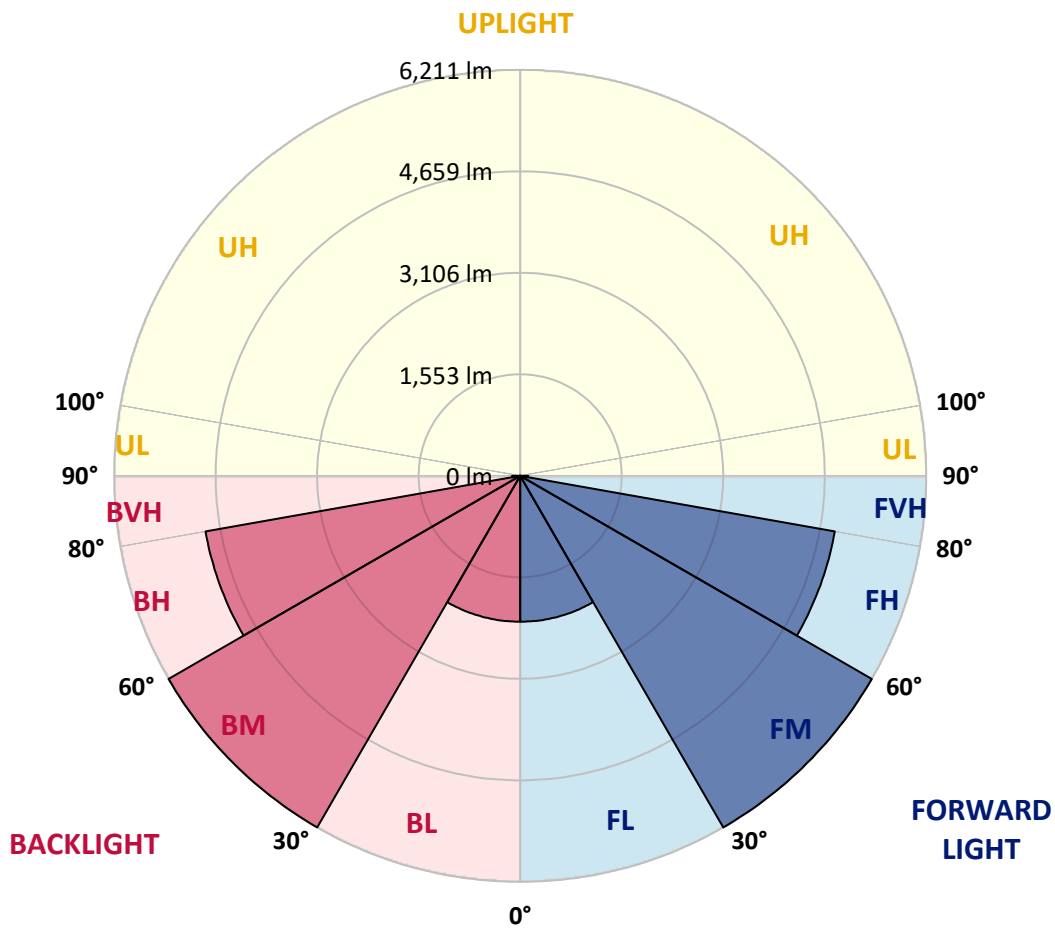
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2232.0	8.3			
FM (30°-60°)	6211.4	23.1			
FH (60°-80°)	4888.1	18.2			G2/5000
FVH (80°-90°)	123.4	0.5			G2/225
BL (0°-30°)	2232.0	8.3	B3/2500		
BM (30°-60°)	6211.4	23.1	B4/8500		
BH (60°-80°)	4888.1	18.2	B4/5000		G4/5000
BVH (80°-90°)	123.4	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°	5028.4	5028.4	5028.4	5028.4	5028.4	5028.4	5028.4	5028.4	5028.4	5028.4
2.5°	5032.7	5038.4	5038.4	5034.1	5044.1	5035.6	5035.6	5031.3	5035.6	5031.3
5°	5058.5	5065.6	5068.5	5067.0	5079.9	5072.8	5072.8	5067.0	5068.5	5064.2
7.5°	5107.1	5117.1	5122.8	5130.0	5148.6	5140.0	5134.2	5117.1	5109.9	5098.5
10°	5122.8	5134.2	5152.8	5190.0	5232.9	5234.4	5217.2	5174.3	5141.4	5115.7
12.5°	5074.2	5089.9	5128.5	5204.3	5300.1	5338.8	5311.6	5240.1	5175.7	5130.0
15°	5012.7	5029.8	5088.5	5202.9	5344.5	5434.6	5431.7	5337.3	5234.4	5162.9
17.5°	4916.9	4934.0	5018.4	5178.6	5378.8	5527.5	5567.6	5470.3	5325.9	5230.1
20°	4743.8	4759.5	4876.8	5101.4	5390.2	5626.2	5730.6	5644.8	5464.6	5334.5
22.5°	4519.3	4543.6	4680.9	4968.4	5363.1	5729.2	5916.5	5857.9	5626.2	5446.0
25°	4279.0	4304.8	4464.9	4805.3	5293.0	5803.6	6136.8	6099.6	5809.3	5584.7
27.5°	4071.6	4098.8	4273.3	4643.7	5184.3	5832.2	6354.2	6372.8	6031.0	5737.8
30°	3908.6	3934.4	4120.3	4513.6	5044.1	5803.6	6544.4	6673.1	6256.9	5870.8
32.5°	3729.8	3762.7	3958.7	4354.8	4878.3	5734.9	6710.3	6997.7	6518.6	6013.8
35°	3503.9	3533.9	3739.8	4137.4	4660.9	5624.8	6849.0	7358.1	6893.3	6231.2
37.5°	3229.3	3257.9	3462.4	3865.7	4444.9	5470.3	6954.8	7764.3	7339.5	6544.4
40°	2953.3	2980.4	3172.1	3562.5	4186.1	5273.0	6992.0	8161.9	7851.5	6974.9
42.5°	2700.1	2724.4	2900.4	3263.6	3895.7	5021.3	6943.4	8508.0	8310.6	7275.2
45°	2467.0	2488.5	2644.4	2983.3	3594.0	4715.2	6797.5	8879.8	8856.9	7489.7
47.5°	2201.0	2222.5	2384.1	2711.6	3292.2	4356.2	6550.1	9245.9	9616.3	7976.0
50°	1876.4	1895.0	2060.9	2398.4	2979.0	3974.4	6206.9	9533.4	10574.6	8712.5
52.5°	1491.6	1511.7	1673.3	2010.8	2607.2	3563.9	5754.9	9720.7	11681.5	9788.0
55°	1109.8	1124.1	1264.3	1567.4	2146.7	3096.3	5188.6	9773.7	12937.2	11258.2
57.5°	805.2	813.8	903.9	1129.8	1627.5	2511.3	4500.7	9636.4	14431.7	13143.1
60°	652.1	655.0	682.2	782.3	1131.3	1850.6	3669.8	9164.4	16053.5	15572.9
62.5°	592.1	592.1	599.2	626.4	765.1	1221.4	2664.4	8186.2	17792.5	18643.5
65°	550.6	550.6	553.5	566.3	603.5	778.0	1681.9	6593.0	19258.4	22240.3
67.5°	513.4	514.9	513.4	517.7	539.2	574.9	975.4	4553.6	20047.9	25967.3
70°	474.8	477.7	470.5	470.5	487.7	489.1	610.7	2497.0	19392.9	29090.7
72.5°	429.0	433.3	421.9	419.0	431.9	426.2	459.1	1198.5	16649.8	30023.2
75°	389.0	394.7	369.0	361.8	361.8	357.5	373.3	615.0	10806.2	24491.4
77.5°	353.2	364.7	323.2	300.3	294.6	281.7	304.6	376.1	4726.7	11498.4
80°	291.8	307.5	266.0	238.8	228.8	214.5	240.3	263.1	1405.8	2670.1
82.5°	217.4	224.5	188.8	170.2	161.6	151.6	180.2	183.1	457.6	945.3
85°	138.7	141.6	115.8	100.1	95.8	91.5	114.4	100.1	174.5	695.1
87.5°	48.6	55.8	44.3	40.0	42.9	35.8	52.9	30.0	48.6	490.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5028.4
5031.3
5064.2
5098.5
5111.4
5122.8
5151.4
5214.3
5310.2
5413.1
5539.0
5689.1
5800.7
5925.1
6132.5
6412.8
6834.7
7095.0
7246.6
7695.7
8360.7
9354.6
10716.1
12460.9
14713.4
17492.2
20784.4
24395.5
28677.4
31110.1
26196.1
11259.6
2557.1
1068.3
1009.7
607.8
0.0

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