

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: P941643

Luminaire Tested: **GALN-SB5B-740-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941643
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-SB5B-740-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29771 lumens
Efficiency: N/A
Efficacy: 163.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

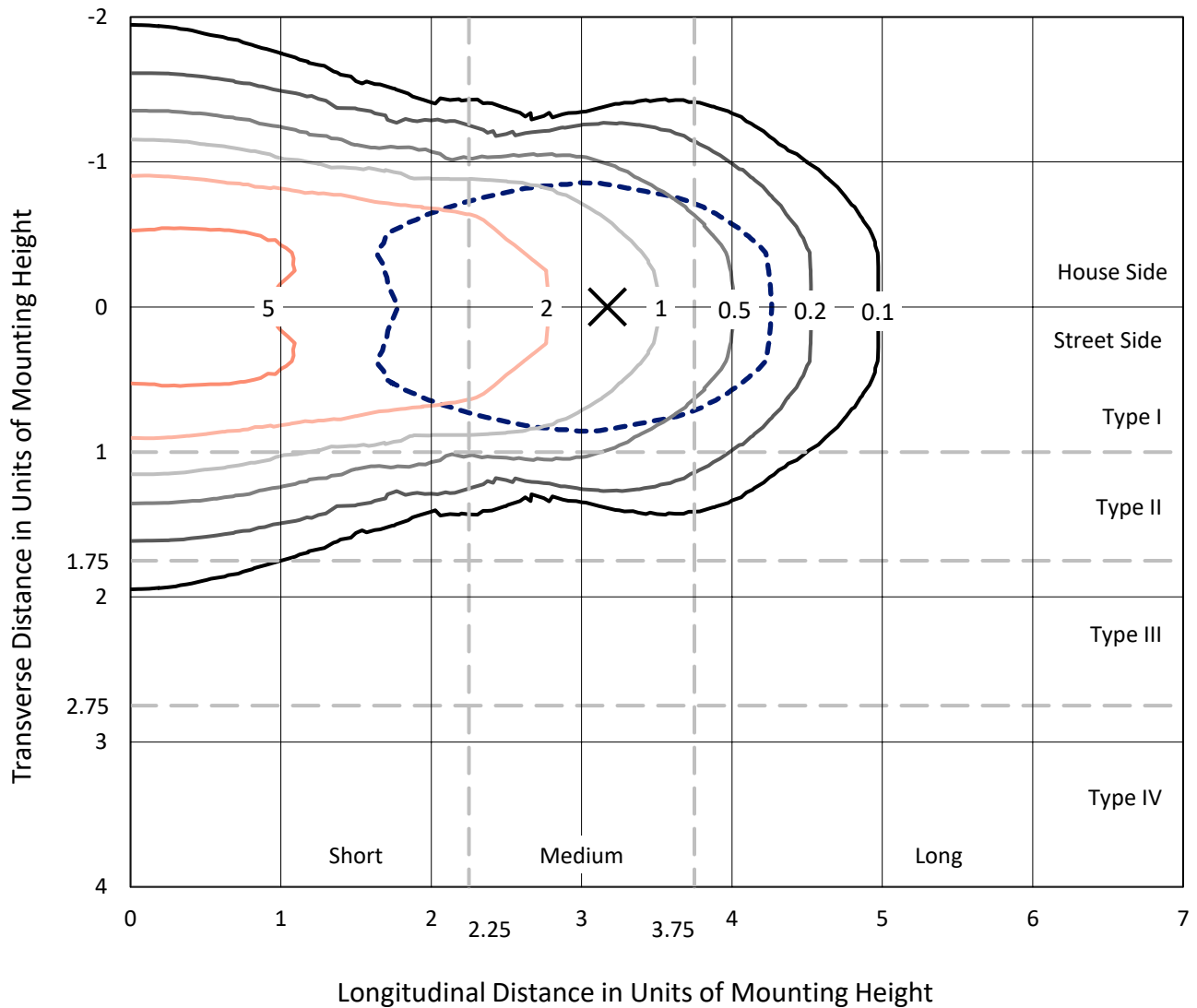
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

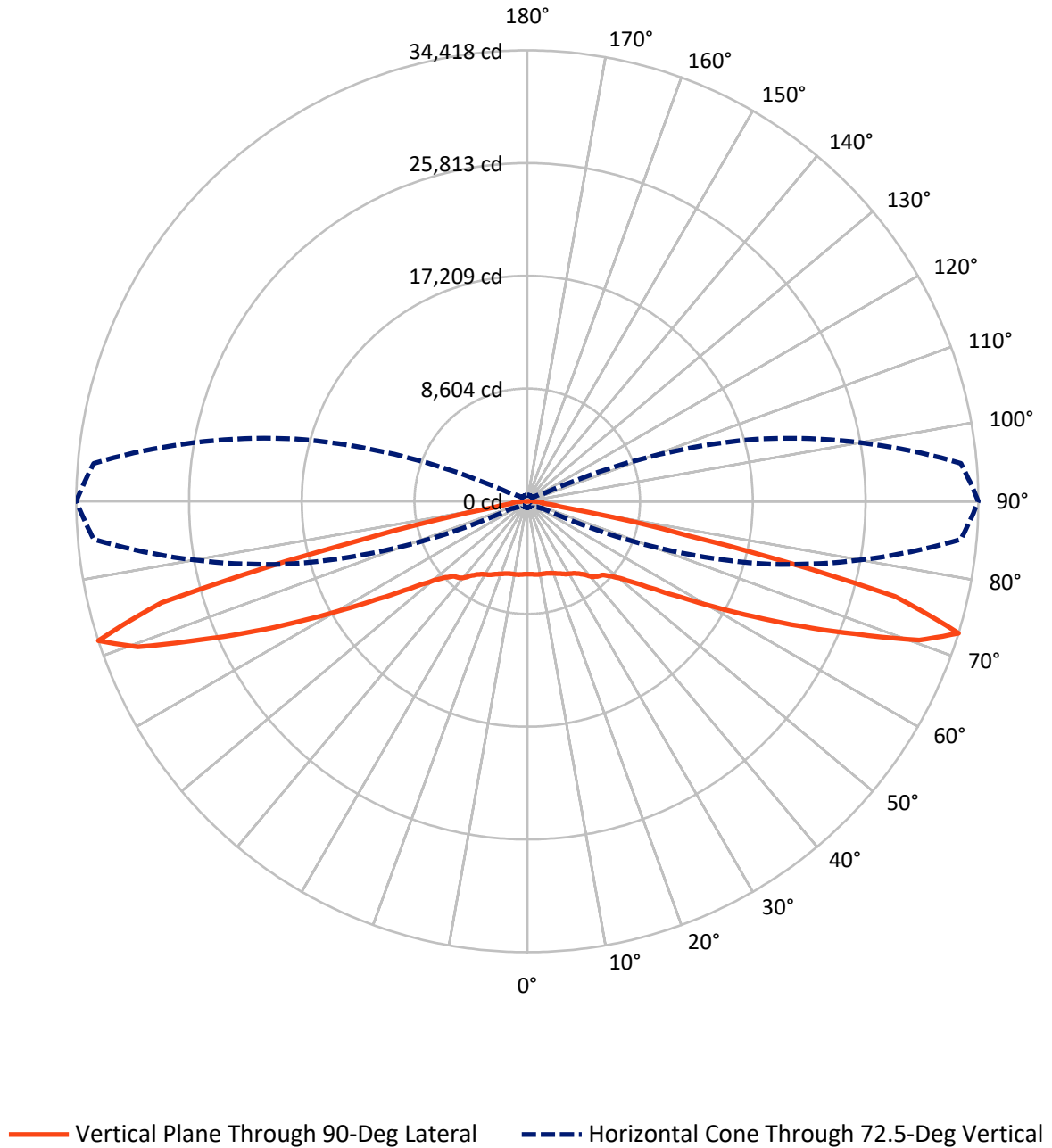
✕ Max cd
 - - - 1/2 Max cd



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	14885.5	0.0	14885.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14885.5	0.0	14885.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29771.0	0.0	29771.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	539.4	1.8
10°-20°	1649.3	5.5
20°-30°	2750.0	9.2
30°-40°	3782.1	12.7
40°-50°	4619.0	15.5
50°-60°	5342.4	17.9
60°-70°	6369.9	21.4
70°-80°	4445.8	14.9
80°-90°	273.1	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°	29771.0	100.0
0°-180°	29771.0	100.0

Coefficient of Utilization



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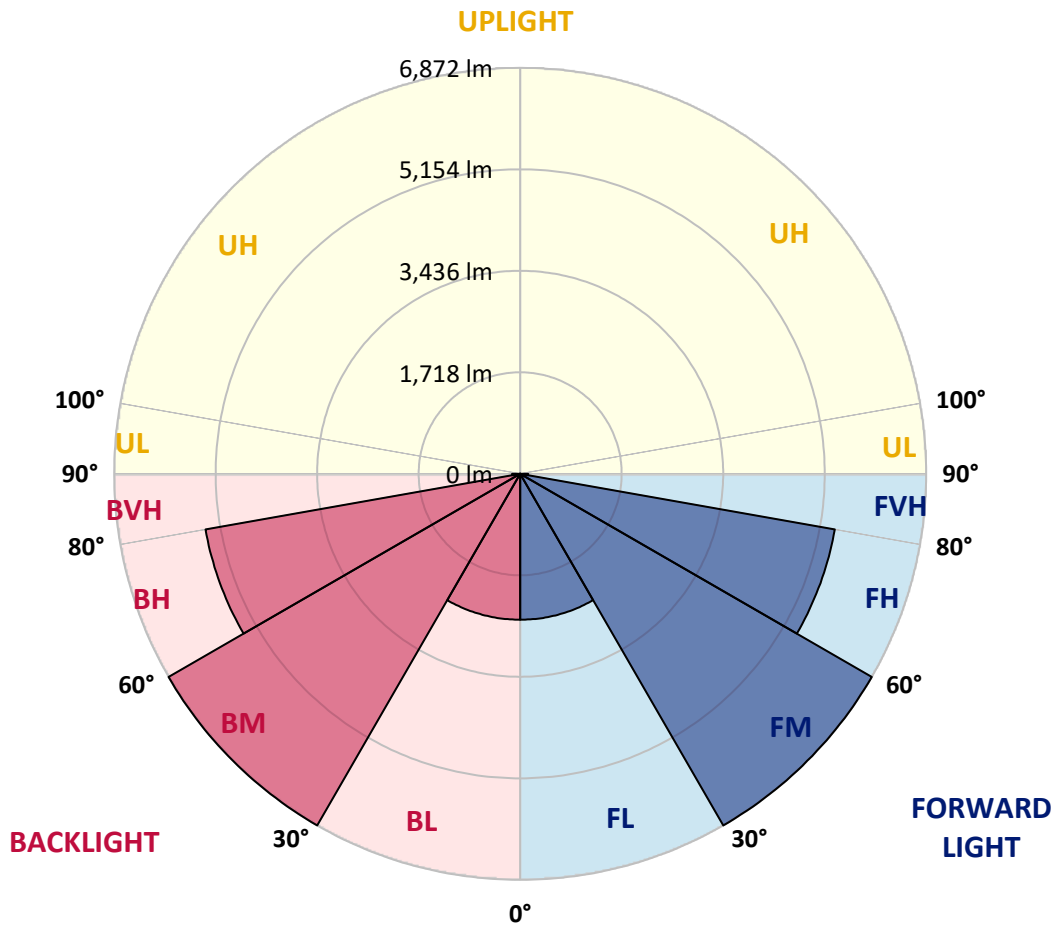
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2469.4	8.3			
FM (30°-60°)	6871.8	23.1			
FH (60°-80°)	5407.8	18.2			G3/7500
FVH (80°-90°)	136.5	0.5			G2/225
BL (0°-30°)	2469.4	8.3	B3/2500		
BM (30°-60°)	6871.8	23.1	B4/8500		
BH (60°-80°)	5407.8	18.2	B5		G5
BVH (80°-90°)	136.5	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°	5563.0	5563.0	5563.0	5563.0	5563.0	5563.0	5563.0	5563.0	5563.0	5563.0
2.5°	5567.8	5574.1	5574.1	5569.4	5580.4	5570.9	5570.9	5566.2	5570.9	5566.2
5°	5596.3	5604.2	5607.3	5605.7	5620.0	5612.1	5612.1	5605.7	5607.3	5602.6
7.5°	5650.0	5661.1	5667.5	5675.4	5695.9	5686.4	5680.1	5661.1	5653.2	5640.6
10°	5667.5	5680.1	5700.7	5741.8	5789.3	5790.9	5771.9	5724.4	5688.0	5659.5
12.5°	5613.7	5631.1	5673.8	5757.6	5863.6	5906.4	5876.3	5797.2	5726.0	5675.4
15°	5545.6	5564.6	5629.5	5756.1	5912.7	6012.4	6009.2	5904.8	5790.9	5711.8
17.5°	5439.6	5458.6	5552.0	5729.2	5950.7	6115.2	6159.5	6051.9	5892.1	5786.1
20°	5248.2	5265.6	5395.3	5643.7	5963.3	6224.4	6339.9	6245.0	6045.6	5901.6
22.5°	4999.8	5026.7	5178.6	5496.6	5933.3	6338.3	6545.6	6480.7	6224.4	6025.0
25°	4734.0	4762.4	4939.6	5316.2	5855.7	6420.6	6789.2	6748.1	6426.9	6178.5
27.5°	4504.5	4534.6	4727.6	5137.4	5735.5	6452.2	7029.7	7050.3	6672.1	6347.8
30°	4324.2	4352.6	4558.3	4993.4	5580.4	6420.6	7240.2	7382.6	6922.1	6494.9
32.5°	4126.4	4162.8	4379.5	4817.8	5396.9	6344.6	7423.7	7741.7	7211.7	6653.2
35°	3876.4	3909.6	4137.5	4577.3	5156.4	6222.8	7577.2	8140.4	7626.2	6893.7
37.5°	3572.6	3604.3	3830.5	4276.7	4917.5	6051.9	7694.3	8589.8	8119.9	7240.2
40°	3267.2	3297.3	3509.3	3941.3	4631.1	5833.6	7735.4	9029.6	8686.3	7716.4
42.5°	2987.2	3014.1	3208.7	3610.6	4309.9	5555.1	7681.6	9412.5	9194.2	8048.7
45°	2729.3	2753.0	2925.5	3300.5	3976.1	5216.5	7520.2	9823.9	9798.6	8286.0
47.5°	2435.0	2458.7	2637.5	2999.9	3642.2	4819.4	7246.5	10228.9	10638.7	8823.9
50°	2075.9	2096.4	2280.0	2653.4	3295.7	4396.9	6866.8	10547.0	11698.8	9638.8
52.5°	1650.2	1672.4	1851.2	2224.6	2884.4	3942.8	6366.8	10754.2	12923.4	10828.6
55°	1227.8	1243.6	1398.7	1734.1	2374.9	3425.5	5740.2	10812.8	14312.6	12455.1
57.5°	890.8	900.3	1000.0	1249.9	1800.5	2778.3	4979.2	10660.9	15966.0	14540.4
60°	721.5	724.6	754.7	865.5	1251.5	2047.4	4059.9	10138.8	17760.2	17228.6
62.5°	655.0	655.0	662.9	693.0	846.5	1351.2	2947.6	9056.5	19684.2	20625.6
65°	609.1	609.1	612.3	626.6	667.7	860.7	1860.7	7294.0	21305.9	24604.8
67.5°	568.0	569.6	568.0	572.8	596.5	636.0	1079.1	5037.7	22179.3	28728.1
70°	525.3	528.5	520.5	520.5	539.5	541.1	675.6	2762.5	21454.7	32183.6
72.5°	474.7	479.4	466.7	463.6	477.8	471.5	507.9	1325.9	18420.0	33215.2
75°	430.4	436.7	408.2	400.3	400.3	395.6	413.0	680.3	11955.1	27095.2
77.5°	390.8	403.5	357.6	332.3	325.9	311.7	337.0	416.1	5229.2	12720.9
80°	322.8	340.2	294.3	264.2	253.2	237.3	265.8	291.1	1555.3	2954.0
82.5°	240.5	248.4	208.9	188.3	178.8	167.7	199.4	202.5	506.3	1045.8
85°	153.5	156.6	128.2	110.8	106.0	101.3	126.6	110.8	193.0	769.0
87.5°	53.8	61.7	49.0	44.3	47.5	39.6	58.5	33.2	53.8	542.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5563.0
5566.2
5602.6
5640.6
5654.8
5667.5
5699.1
5768.7
5874.7
5988.6
6127.9
6294.0
6417.4
6555.1
6784.5
7094.6
7561.3
7849.3
8017.0
8513.8
9249.6
10349.2
11855.4
13785.7
16277.7
19351.9
22994.2
26989.2
31726.3
34417.7
28981.2
12456.7
2829.0
1181.9
1117.0
672.4
0.0

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