

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: P953780

Luminaire Tested: **GALN-SB7B-727-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7B-727-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38249 lumens
Efficiency: N/A
Efficacy: 149.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 256.7
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

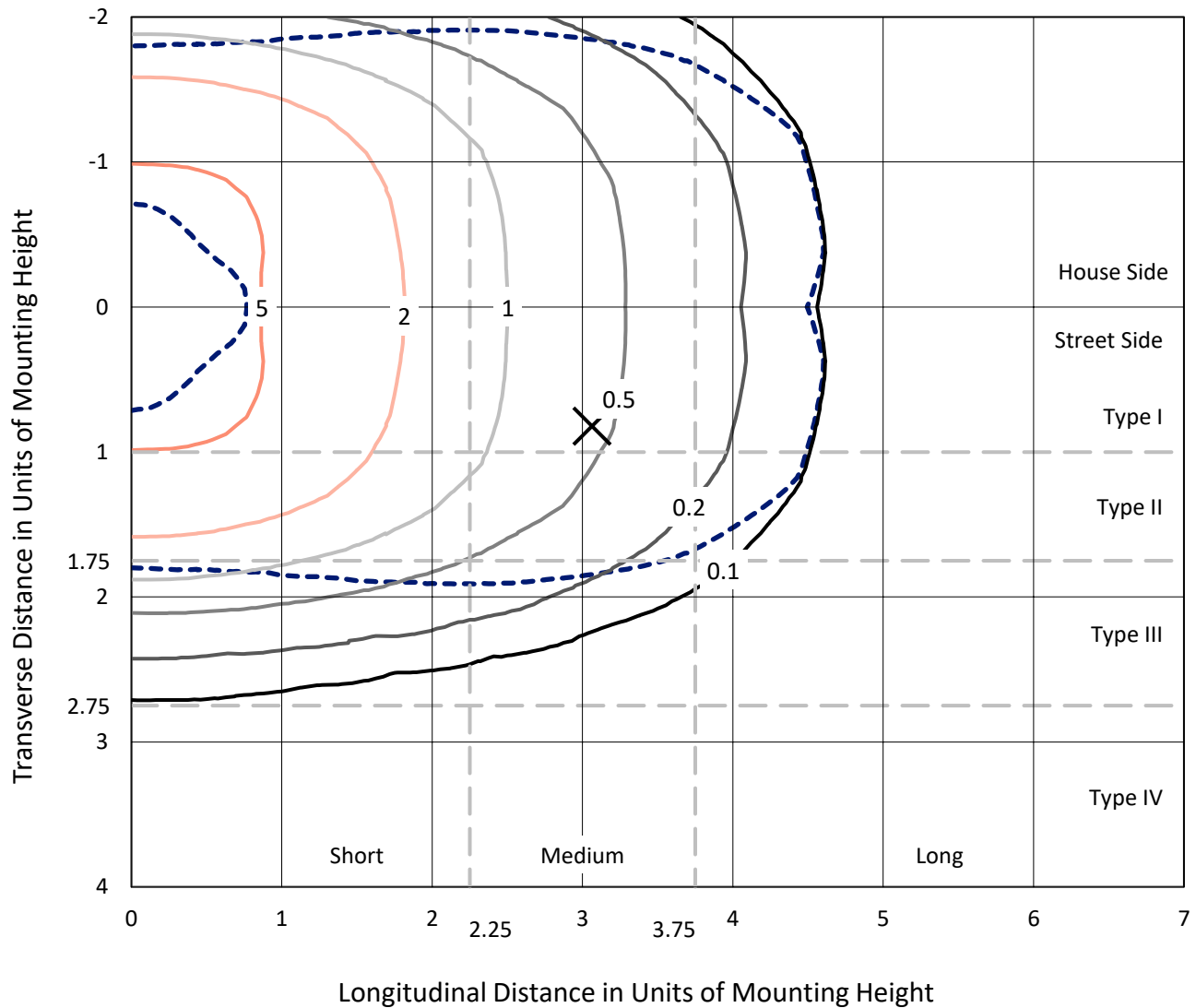


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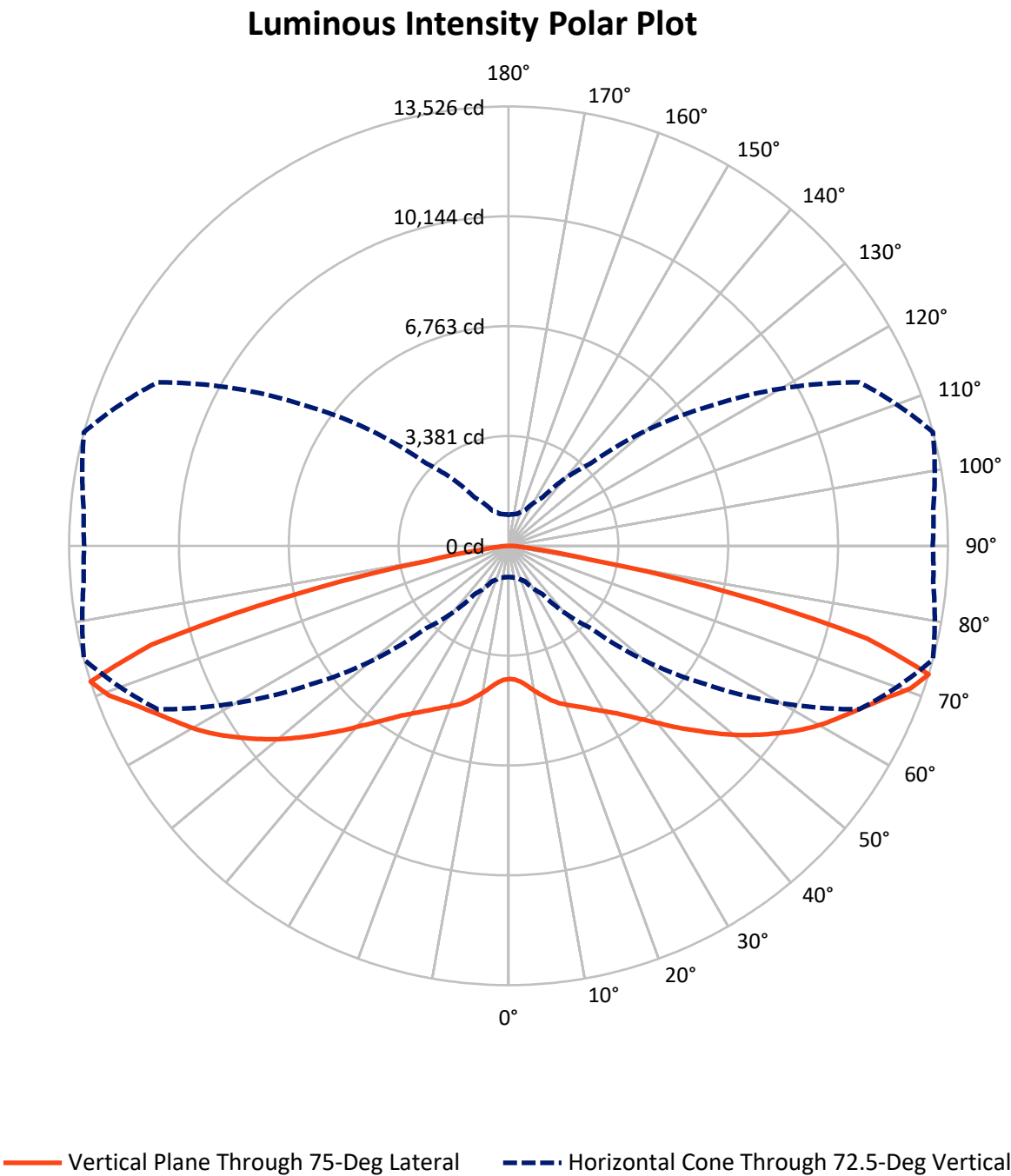
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
Type III - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19124.5	0.0	19124.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19124.5	0.0	19124.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	38249.0	0.0	38249.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.4	1.0
10°-20°	1323.7	3.5
20°-30°	2557.8	6.7
30°-40°	4319.1	11.3
40°-50°	6849.6	17.9
50°-60°	9170.8	24.0
60°-70°	8727.6	22.8
70°-80°	4554.2	11.9
80°-90°	344.7	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°	38249.0	100.0
0°-180°	38249.0	100.0

Coefficient of Utilization



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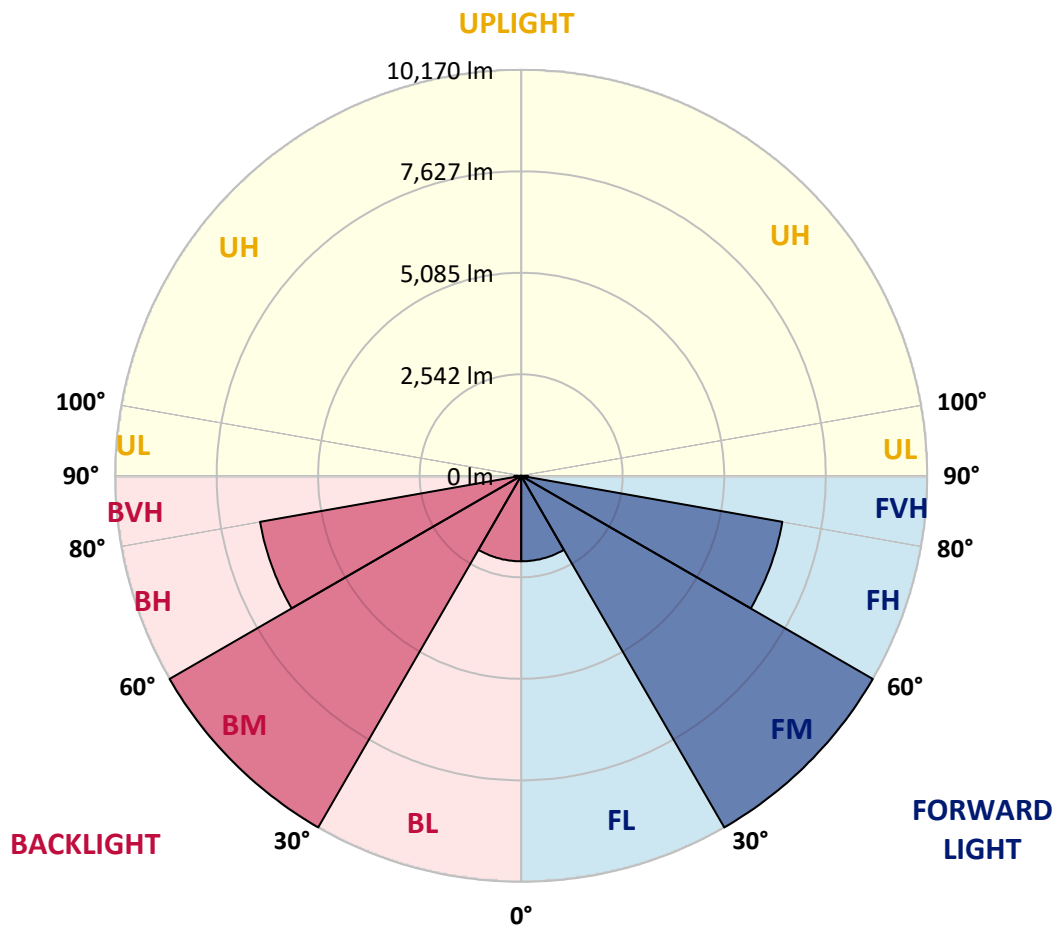
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2141.5	5.6			
FM	(30°-60°)	10169.7	26.6			
FH	(60°-80°)	6640.9	17.4			G3/7500
FVH	(80°-90°)	172.4	0.5			G2/225
BL	(0°-30°)	2141.5	5.6	B3/2500		
BM	(30°-60°)	10169.7	26.6	B5		
BH	(60°-80°)	6640.9	17.4	B5		G5
BVH	(80°-90°)	172.4	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4097.2	4097.2	4097.2	4097.2	4097.2	4097.2	4097.2	4097.2	4097.2	4097.2	4097.2
2.5°	4097.2	4093.2	4097.2	4101.1	4099.1	4099.1	4108.9	4114.7	4126.4	4124.5	4122.5
5°	4069.8	4067.9	4083.5	4101.1	4114.7	4138.2	4167.5	4188.9	4216.3	4222.1	4222.1
7.5°	4056.1	4050.3	4077.6	4108.9	4151.8	4210.4	4267.1	4325.6	4372.5	4388.1	4392.0
10°	4065.9	4067.9	4105.0	4163.6	4231.9	4313.9	4394.0	4493.6	4560.0	4575.6	4591.2
12.5°	4110.8	4106.9	4169.4	4263.1	4356.9	4460.4	4554.1	4663.5	4735.7	4772.9	4788.5
15°	4192.8	4185.0	4272.9	4411.6	4548.3	4669.3	4745.5	4849.0	4933.0	4979.9	4997.4
17.5°	4290.5	4294.4	4409.6	4589.3	4768.9	4905.6	4977.9	5030.6	5095.1	5136.1	5155.6
20°	4462.3	4470.2	4599.0	4811.9	5017.0	5173.2	5231.8	5212.2	5229.8	5261.1	5284.5
22.5°	4692.8	4696.7	4841.2	5071.6	5286.5	5458.3	5497.4	5417.3	5368.5	5390.0	5405.6
25°	4960.3	4985.7	5130.2	5366.5	5587.2	5751.2	5768.8	5647.7	5526.7	5532.5	5542.3
27.5°	5286.5	5309.9	5456.4	5690.7	5915.3	6057.8	6055.9	5893.8	5716.1	5671.2	5684.8
30°	5639.9	5665.3	5815.7	6057.8	6266.8	6391.8	6364.5	6171.1	5917.2	5833.3	5843.0
32.5°	6059.8	6075.4	6227.8	6469.9	6663.2	6762.8	6706.2	6468.0	6151.6	6055.9	6079.3
35°	6567.6	6591.0	6704.3	6932.7	7102.6	7184.7	7089.0	6807.8	6452.3	6344.9	6360.5
37.5°	7147.6	7131.9	7260.8	7463.9	7604.5	7655.3	7524.5	7190.5	6796.0	6669.1	6692.5
40°	7753.0	7745.1	7885.7	8081.0	8157.2	8188.4	7995.1	7629.9	7192.5	7055.8	7100.7
42.5°	8301.7	8295.9	8485.3	8702.1	8793.8	8758.7	8514.6	8096.7	7651.4	7495.2	7534.2
45°	8741.1	8733.3	8965.7	9270.3	9450.0	9391.4	9063.3	8612.2	8116.2	7954.1	7991.2
47.5°	9079.0	9082.9	9332.8	9709.7	10024.2	10045.6	9623.8	9137.5	8627.8	8444.3	8499.0
50°	9323.1	9334.8	9602.3	10020.3	10449.9	10639.3	10196.0	9676.5	9157.1	8950.1	9012.6
52.5°	9383.6	9405.1	9727.3	10217.5	10723.3	11084.6	10778.0	10194.1	9659.0	9461.7	9512.5
55°	9061.4	9104.3	9512.5	10201.9	10891.2	11377.5	11289.6	10719.4	10164.8	9961.7	10018.3
57.5°	8321.2	8381.8	8858.3	9758.6	10854.1	11578.7	11686.1	11223.2	10670.6	10475.3	10520.2
60°	7284.3	7356.5	7813.5	8795.8	10330.8	11652.9	11965.3	11713.4	11135.3	10945.9	10986.9
62.5°	5720.0	5813.7	6360.5	7512.7	9225.4	11307.2	12203.6	12156.7	11553.3	11317.0	11344.3
65°	3669.5	3769.1	4345.2	5706.3	7751.0	10248.7	12277.8	12588.3	11994.6	11664.6	11705.6
67.5°	2212.6	2257.5	2542.7	3458.6	5665.3	8653.2	11649.0	13066.8	12510.2	12100.1	12131.3
70°	1415.8	1441.2	1611.1	2031.0	3202.7	6313.7	10090.6	13156.6	13135.1	12547.3	12543.4
72.5°	960.8	968.6	1013.5	1203.0	1812.3	3587.4	7442.4	11910.6	13525.7	13123.4	13060.9
75°	703.0	746.0	818.3	851.5	1029.2	1792.7	4265.1	8368.1	11399.0	11574.7	11149.0
77.5°	523.4	525.3	624.9	664.0	734.3	955.0	1804.5	4671.3	7077.3	7430.7	6628.1
80°	443.3	419.9	417.9	535.1	552.7	595.6	806.5	1613.1	2534.8	1536.9	1162.0
82.5°	369.1	343.7	310.5	417.9	376.9	365.2	349.6	656.2	806.5	396.4	337.8
85°	257.8	246.1	234.3	273.4	214.8	183.6	167.9	306.6	339.8	167.9	148.4
87.5°	111.3	115.2	117.2	121.1	89.8	64.4	64.4	85.9	85.9	66.4	48.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)