

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: P954914

Luminaire Tested: **GALN-SB8A-740-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954914
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-SB8A-740-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39517 lumens
Efficiency: N/A
Efficacy: 174.0 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

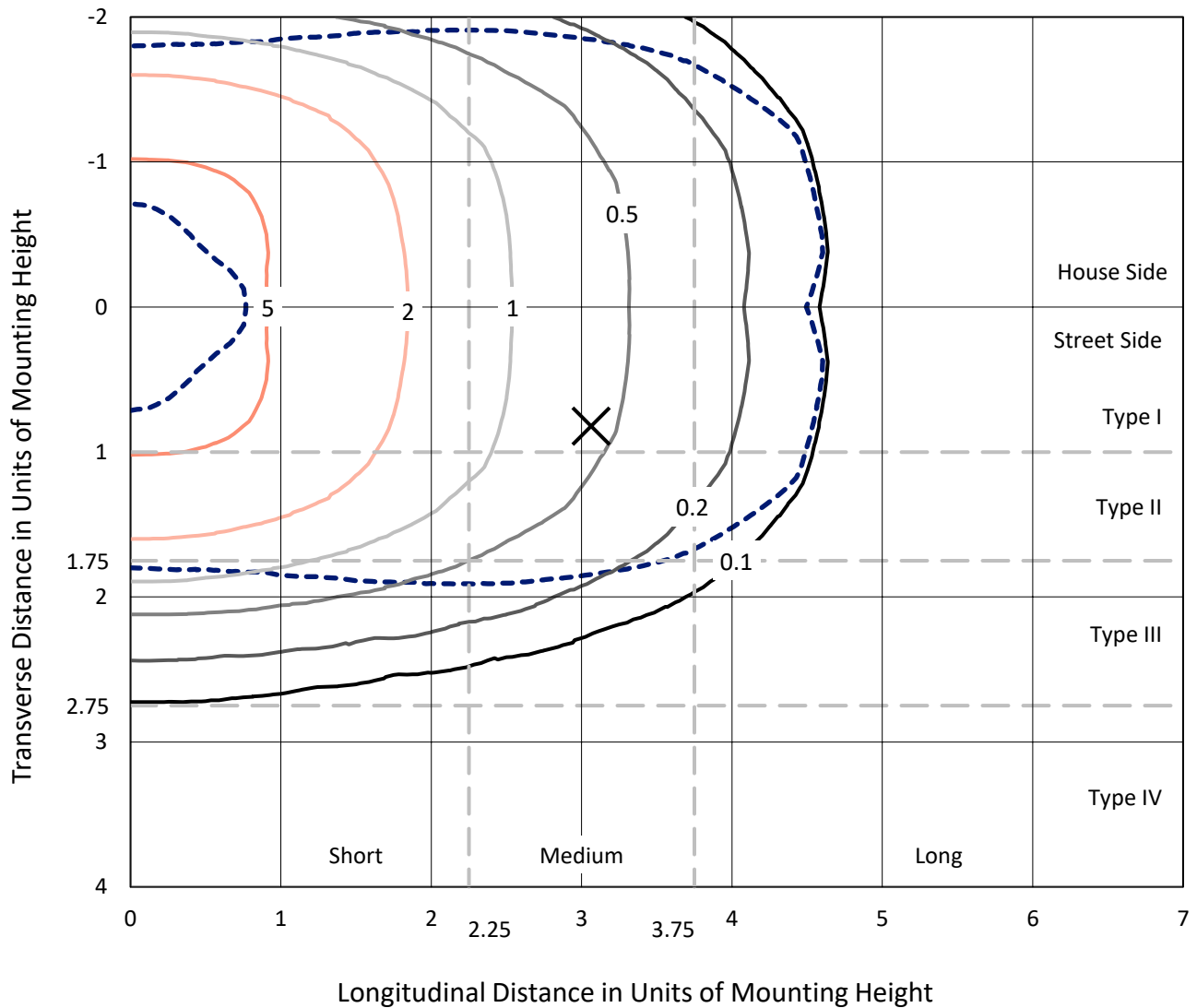
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

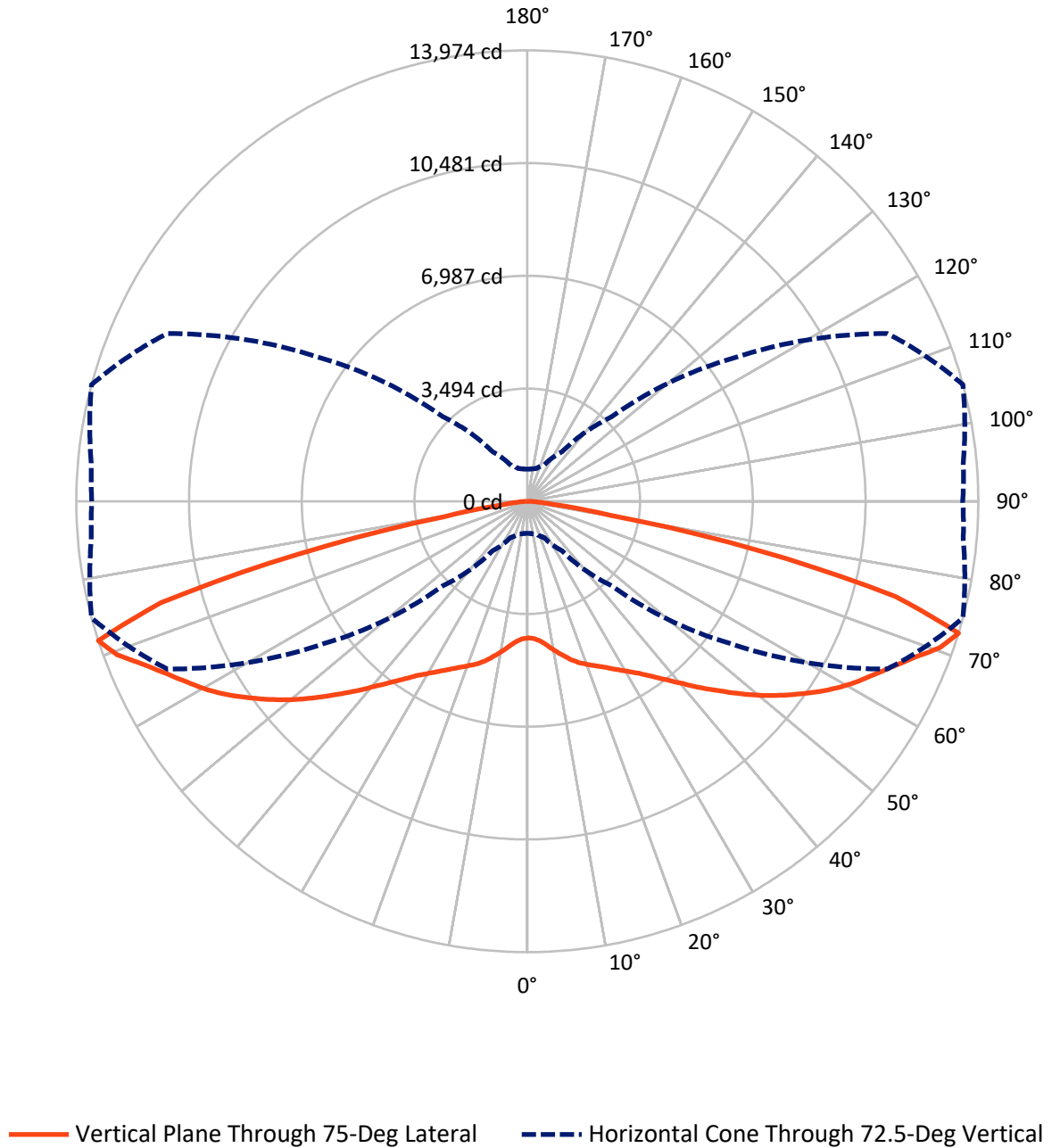
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19758.5	0.0	19758.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19758.5	0.0	19758.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39517.0	0.0	39517.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.7	1.0
10°-20°	1367.6	3.5
20°-30°	2642.6	6.7
30°-40°	4462.3	11.3
40°-50°	7076.7	17.9
50°-60°	9474.8	24.0
60°-70°	9017.0	22.8
70°-80°	4705.2	11.9
80°-90°	356.2	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°	39517.0	100.0
0°-180°	39517.0	100.0

Coefficient of Utilization



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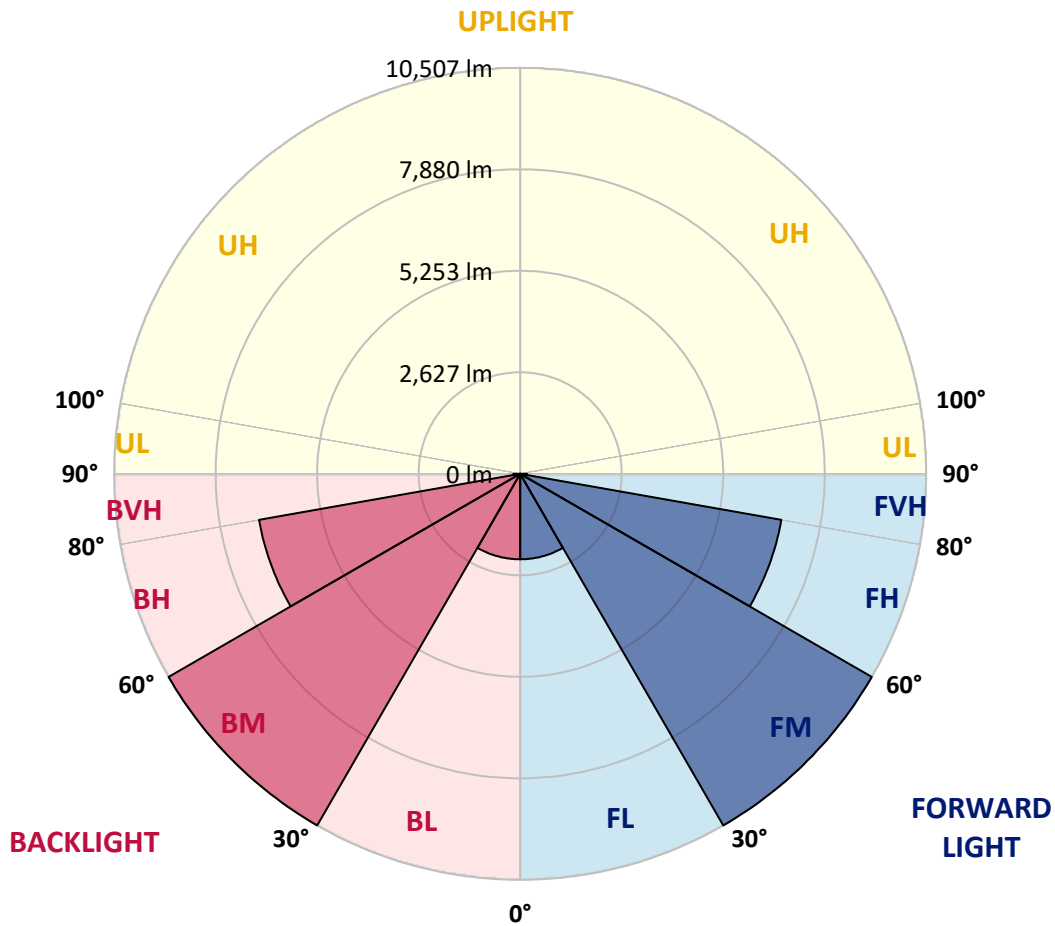
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2212.5	5.6			
FM (30°-60°)	10506.9	26.6			
FH (60°-80°)	6861.1	17.4			G3/7500
FVH (80°-90°)	178.1	0.5			G2/225
BL (0°-30°)	2212.5	5.6	B3/2500		
BM (30°-60°)	10506.9	26.6	B5		
BH (60°-80°)	6861.1	17.4	B5		G5
BVH (80°-90°)	178.1	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4233.0	4233.0	4233.0	4233.0	4233.0	4233.0	4233.0	4233.0	4233.0	4233.0
2.5°	4233.0	4228.9	4233.0	4237.0	4235.0	4235.0	4245.1	4251.1	4263.2	4261.2
5°	4204.7	4202.7	4218.9	4237.0	4251.1	4275.3	4305.6	4327.8	4356.1	4362.1
7.5°	4190.6	4184.6	4212.8	4245.1	4289.5	4350.0	4408.5	4469.0	4517.5	4533.6
10°	4200.7	4202.7	4241.0	4301.6	4372.2	4456.9	4539.7	4642.6	4711.2	4727.3
12.5°	4247.1	4243.1	4307.6	4404.5	4501.3	4608.3	4705.1	4818.1	4892.7	4931.1
15°	4331.8	4323.8	4414.6	4557.8	4699.0	4824.1	4902.8	5009.8	5096.5	5144.9
17.5°	4432.7	4436.8	4555.8	4741.4	4927.0	5068.3	5142.9	5197.4	5264.0	5306.4
20°	4610.3	4618.3	4751.5	4971.4	5183.3	5344.7	5405.2	5385.0	5403.2	5435.5
22.5°	4848.4	4852.4	5001.7	5239.8	5461.7	5639.3	5679.6	5596.9	5546.5	5568.6
25°	5124.8	5151.0	5300.3	5544.4	5772.4	5941.9	5960.1	5835.0	5709.9	5715.9
27.5°	5461.7	5485.9	5637.2	5879.4	6111.4	6258.7	6256.7	6089.2	5905.6	5859.2
30°	5826.9	5853.1	6008.5	6258.7	6474.6	6603.7	6575.4	6375.7	6113.4	6026.6
32.5°	6260.7	6276.8	6434.2	6684.4	6884.1	6987.0	6928.5	6682.4	6355.5	6256.7
35°	6785.3	6809.5	6926.5	7162.6	7338.1	7422.8	7324.0	7033.4	6666.2	6555.3
37.5°	7384.5	7368.4	7501.5	7711.4	7856.6	7909.1	7773.9	7428.9	7021.3	6890.2
40°	8010.0	8001.9	8147.2	8348.9	8427.6	8459.9	8260.2	7882.9	7430.9	7289.7
42.5°	8576.9	8570.9	8766.6	8990.5	9085.4	9049.0	8796.8	8365.1	7905.1	7743.6
45°	9030.9	9022.8	9262.9	9577.7	9763.3	9702.8	9363.8	8897.7	8385.3	8217.8
47.5°	9379.9	9384.0	9642.2	10031.6	10356.5	10378.7	9942.9	9440.5	8913.9	8724.2
50°	9632.1	9644.2	9920.7	10352.4	10796.3	10992.0	10534.0	9997.3	9460.6	9246.8
52.5°	9694.7	9716.9	10049.8	10556.2	11078.8	11452.0	11135.3	10532.0	9979.2	9775.4
55°	9361.8	9406.2	9827.9	10540.1	11252.3	11754.7	11663.9	11074.7	10501.7	10291.9
57.5°	8597.1	8659.6	9151.9	10082.1	11214.0	11962.5	12073.5	11595.3	11024.3	10822.5
60°	7525.7	7600.4	8072.5	9087.4	10673.2	12039.2	12362.0	12101.7	11504.5	11308.8
62.5°	5909.6	6006.5	6571.4	7761.8	9531.3	11682.1	12608.1	12559.7	11936.3	11692.1
65°	3791.1	3894.0	4489.2	5895.5	8008.0	10588.5	12684.8	13005.6	12392.3	12051.3
67.5°	2286.0	2332.4	2626.9	3573.2	5853.1	8940.1	12035.1	13499.9	12924.9	12501.2
70°	1462.8	1489.0	1664.5	2098.3	3308.9	6523.0	10425.1	13592.7	13570.5	12963.2
72.5°	992.7	1000.7	1047.1	1242.9	1872.4	3706.4	7689.2	12305.5	13974.1	13558.4
75°	726.3	770.7	845.4	879.7	1063.3	1852.2	4406.5	8645.5	11776.9	11958.5
77.5°	540.7	542.7	645.6	686.0	758.6	986.6	1864.3	4826.2	7311.9	7677.1
80°	458.0	433.8	431.8	552.8	571.0	615.4	833.3	1666.6	2618.9	1587.9
82.5°	381.3	355.1	320.8	431.8	389.4	377.3	361.2	677.9	833.3	409.6
85°	266.3	254.2	242.1	282.5	221.9	189.7	173.5	316.8	351.1	173.5
87.5°	115.0	119.0	121.1	125.1	92.8	66.6	66.6	88.8	88.8	68.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4233.0
4259.2
4362.1
4537.6
4743.4
4947.2
5163.1
5326.5
5459.7
5584.8
5726.0
5873.3
6036.7
6280.9
6571.4
6914.4
7336.1
7784.0
8256.1
8780.7
9311.3
9827.9
10350.4
10868.9
11351.2
11720.4
12093.6
12533.5
12959.2
13493.9
11518.6
6847.8
1200.5
349.0
153.3
50.4
0.0

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