

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: P957224

Luminaire Tested: **GALN-SB9C-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957224
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-SB9C-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42757 lumens
Efficiency: N/A
Efficacy: 95.1 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

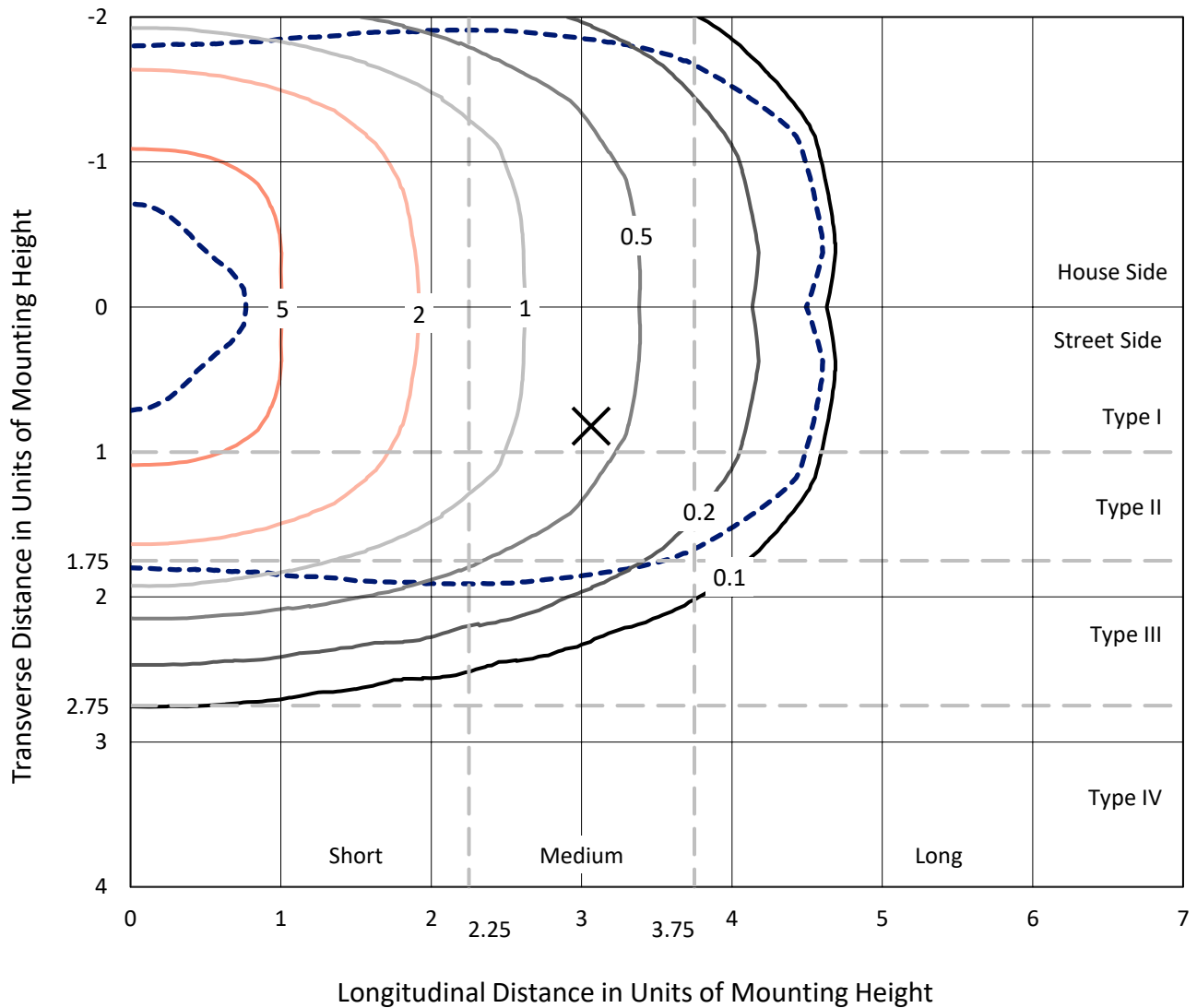
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

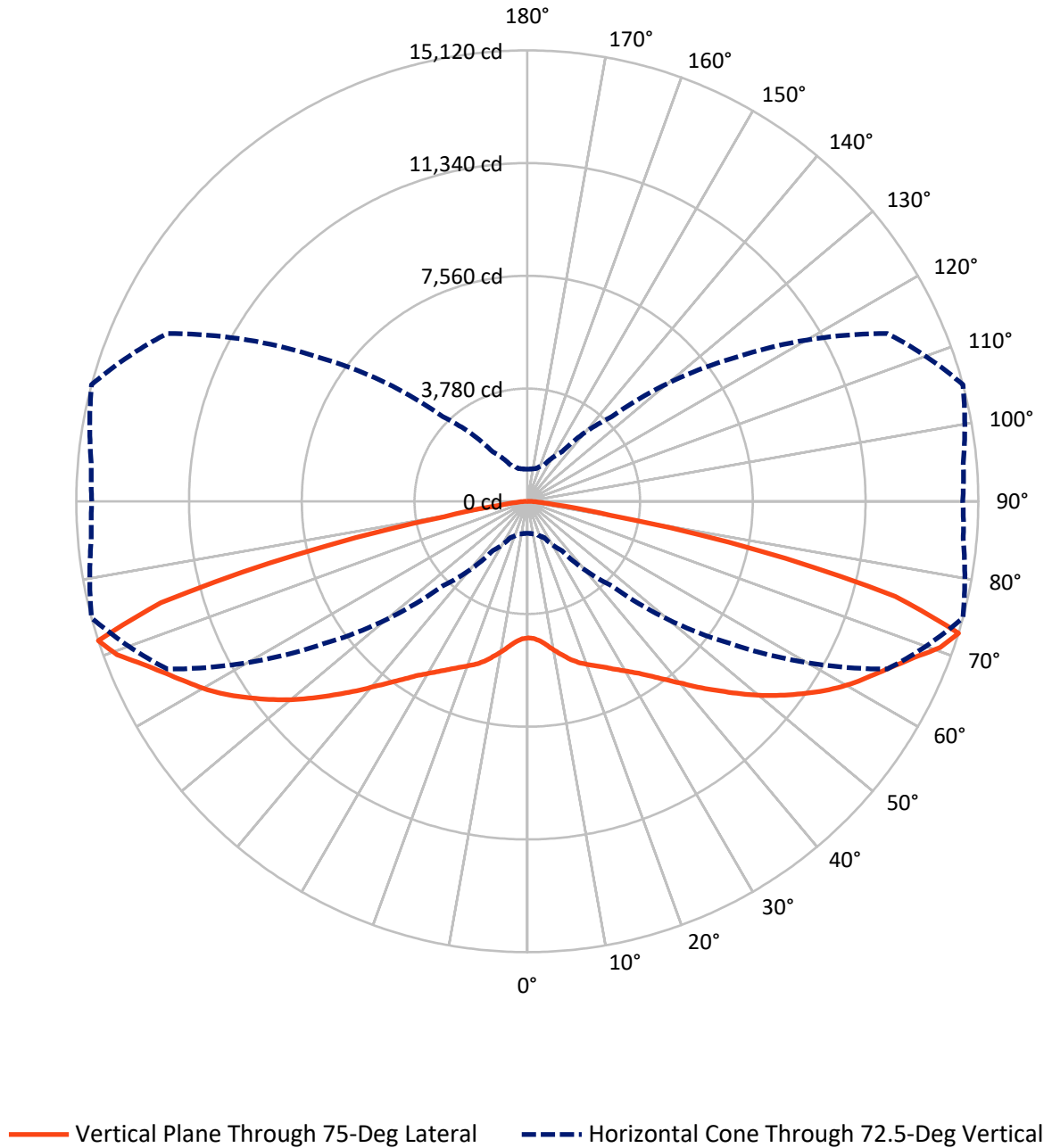
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21378.5	0.0	21378.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21378.5	0.0	21378.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42757.0	0.0	42757.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.7	1.0
10°-20°	1479.8	3.5
20°-30°	2859.3	6.7
30°-40°	4828.1	11.3
40°-50°	7656.9	17.9
50°-60°	10251.7	24.0
60°-70°	9756.3	22.8
70°-80°	5091.0	11.9
80°-90°	385.4	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°	42757.0	100.0
0°-180°	42757.0	100.0

Coefficient of Utilization



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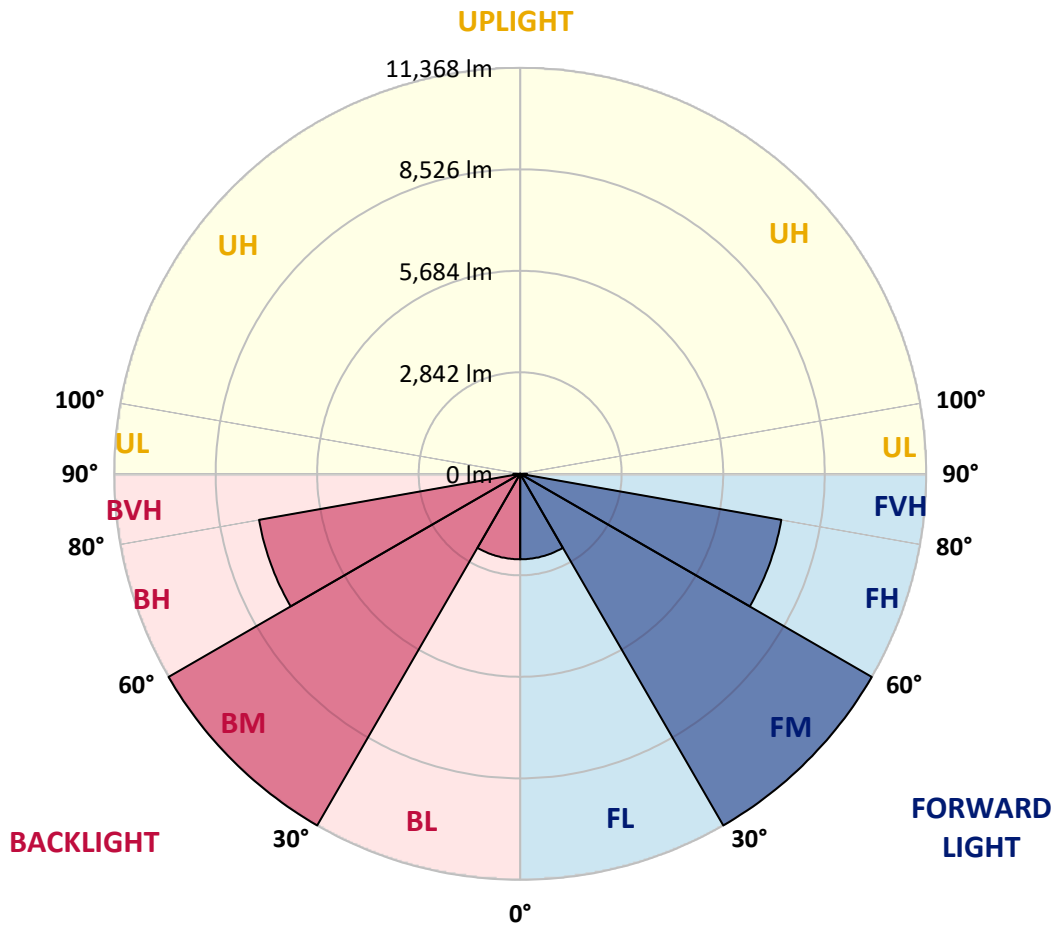
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2393.9	5.6			
FM (30°-60°)	11368.3	26.6			
FH (60°-80°)	7423.6	17.4			G3/7500
FVH (80°-90°)	192.7	0.5			G2/225
BL (0°-30°)	2393.9	5.6	B3/2500		
BM (30°-60°)	11368.3	26.6	B5		
BH (60°-80°)	7423.6	17.4	B5		G5
BVH (80°-90°)	192.7	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°	4580.0	4580.0	4580.0	4580.0	4580.0	4580.0	4580.0	4580.0	4580.0	4580.0
2.5°	4580.0	4575.7	4580.0	4584.4	4582.2	4582.2	4593.1	4599.7	4612.8	4610.6
5°	4549.5	4547.3	4564.8	4584.4	4599.7	4625.9	4658.6	4682.6	4713.2	4719.8
7.5°	4534.2	4527.6	4558.2	4593.1	4641.2	4706.7	4770.0	4835.5	4887.9	4905.3
10°	4545.1	4547.3	4588.8	4654.3	4730.7	4822.4	4911.9	5023.2	5097.4	5114.9
12.5°	4595.3	4591.0	4660.8	4765.6	4870.4	4986.1	5090.9	5213.1	5293.9	5335.4
15°	4687.0	4678.3	4776.5	4931.5	5084.3	5219.7	5304.8	5420.5	5514.4	5566.8
17.5°	4796.2	4800.5	4929.3	5130.2	5331.0	5483.8	5564.6	5623.5	5695.6	5741.4
20°	4988.3	4997.0	5141.1	5379.0	5608.3	5782.9	5848.4	5826.6	5846.2	5881.1
22.5°	5245.9	5250.2	5411.8	5669.4	5909.5	6101.6	6145.3	6055.8	6001.2	6025.2
25°	5544.9	5573.3	5734.9	5999.0	6245.7	6429.1	6448.7	6313.4	6178.0	6184.6
27.5°	5909.5	5935.7	6099.4	6361.4	6612.5	6771.8	6769.6	6588.4	6389.8	6339.6
30°	6304.7	6333.0	6501.1	6771.8	7005.4	7145.1	7114.6	6898.4	6614.6	6520.8
32.5°	6774.0	6791.5	6961.7	7232.4	7448.6	7559.9	7496.6	7230.3	6876.6	6769.6
35°	7341.6	7367.8	7494.4	7749.8	7939.8	8031.4	7924.5	7610.1	7212.8	7092.7
37.5°	7990.0	7972.5	8116.6	8343.6	8500.8	8557.6	8411.3	8038.0	7597.0	7455.1
40°	8666.7	8658.0	8815.2	9033.5	9118.6	9153.5	8937.4	8529.2	8040.2	7887.4
42.5°	9280.1	9273.6	9485.4	9727.7	9830.3	9791.0	9518.1	9050.9	8553.2	8378.5
45°	9771.3	9762.6	10022.4	10362.9	10563.8	10498.3	10131.5	9627.3	9072.8	8891.6
47.5°	10149.0	10153.4	10432.8	10854.1	11205.6	11229.6	10758.1	10214.5	9644.7	9439.5
50°	10421.9	10435.0	10734.1	11201.2	11681.5	11893.3	11397.7	10817.0	10236.3	10004.9
52.5°	10489.6	10513.6	10873.8	11421.7	11987.1	12391.0	12048.3	11395.5	10797.4	10576.9
55°	10129.4	10177.4	10633.6	11404.3	12174.9	12718.5	12620.2	11982.8	11362.8	11135.7
57.5°	9302.0	9369.7	9902.3	10908.7	12133.4	12943.3	13063.4	12546.0	11928.2	11709.9
60°	8142.8	8223.6	8734.4	9832.5	11548.3	13026.3	13375.6	13093.9	12447.8	12236.0
62.5°	6394.2	6498.9	7110.2	8398.2	10312.7	12639.9	13641.9	13589.5	12914.9	12650.8
65°	4102.0	4213.3	4857.3	6378.9	8664.5	11456.6	13724.8	14071.9	13408.3	13039.4
67.5°	2473.4	2523.6	2842.3	3866.2	6333.0	9673.1	13021.9	14606.8	13984.6	13526.2
70°	1582.7	1611.1	1801.0	2270.4	3580.2	7057.8	11279.8	14707.2	14683.2	14026.1
72.5°	1074.1	1082.8	1133.0	1344.8	2025.9	4010.3	8319.6	13314.4	15119.8	14670.1
75°	785.9	833.9	914.7	951.8	1150.5	2004.0	4767.8	9354.4	12742.5	12938.9
77.5°	585.1	587.2	698.6	742.2	820.8	1067.5	2017.1	5221.9	7911.4	8306.5
80°	495.6	469.4	467.2	598.2	617.8	665.8	901.6	1803.2	2833.6	1718.1
82.5°	412.6	384.2	347.1	467.2	421.3	408.2	390.8	733.5	901.6	443.2
85°	288.2	275.1	262.0	305.6	240.1	205.2	187.7	342.7	379.9	187.7
87.5°	124.4	128.8	131.0	135.3	100.4	72.0	72.0	96.1	96.1	74.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4580.0
4608.4
4719.8
4909.7
5132.4
5352.8
5586.4
5763.3
5907.3
6042.7
6195.5
6354.9
6531.7
6795.8
7110.2
7481.3
7937.6
8422.2
8933.0
9500.6
10074.8
10633.6
11199.0
11760.1
12281.8
12681.3
13085.2
13561.1
14021.7
14600.2
12463.0
7409.3
1298.9
377.7
165.9
54.6
0.0

OF REPORT)