

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: P957304

Luminaire Tested: **GALN-SB9C-950-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB9C-950-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49695 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

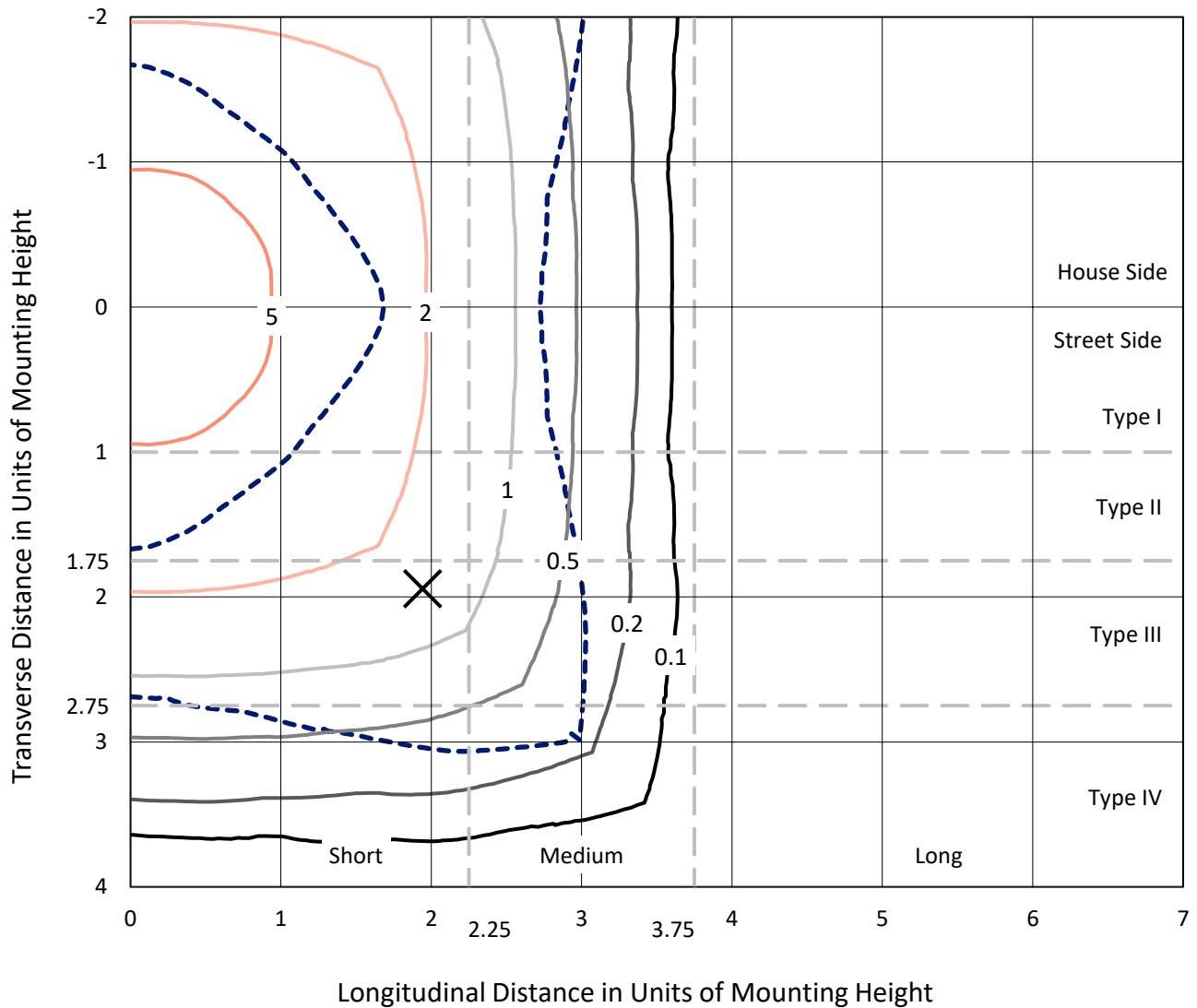
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

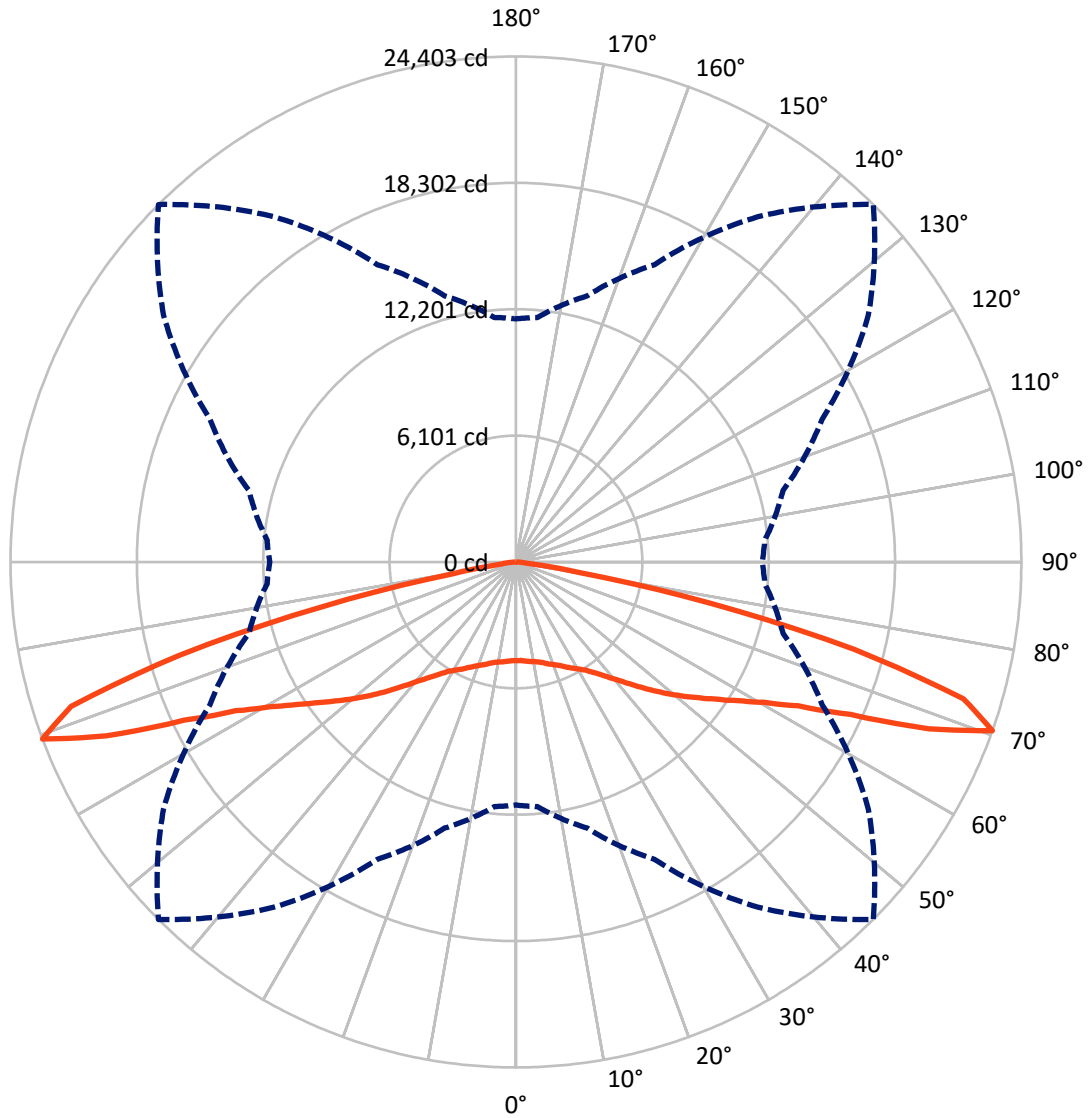
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type V - Short - N/A

REPORT NUMBER: P957304
CATALOG NUMBER: GALN-SB9C-950-U-5MQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24847.5	0.0	24847.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24847.5	0.0	24847.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	49695.0	0.0	49695.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.5	0.9
10°-20°	1434.0	2.9
20°-30°	2562.8	5.2
30°-40°	4154.3	8.4
40°-50°	6766.6	13.6
50°-60°	10316.8	20.8
60°-70°	15348.1	30.9
70°-80°	8365.2	16.8
80°-90°	284.9	0.6
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°	49695.0	100.0
0°-180°	49695.0	100.0



REPORT NUMBER: P957304

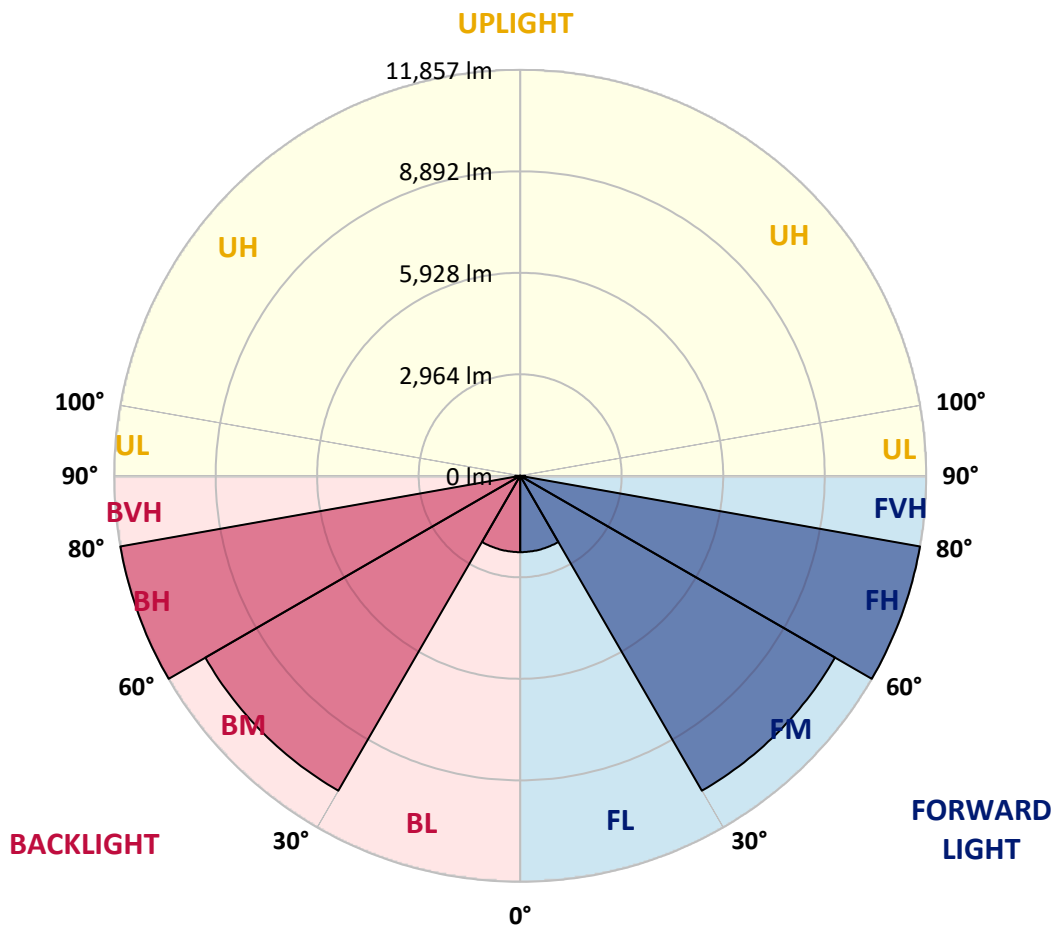
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2229.6	4.5			
FM (30°-60°)	10618.8	21.4			
FH (60°-80°)	11856.6	23.9			G4/12000
FVH (80°-90°)	142.4	0.3			G2/225
BL (0°-30°)	2229.6	4.5	B3/2500		
BM (30°-60°)	10618.8	21.4	B5		
BH (60°-80°)	11856.6	23.9	B5		G4/12000
BVH (80°-90°)	142.4	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4760.3	4760.3	4760.3	4760.3	4760.3	4760.3	4760.3	4760.3	4760.3	4760.3
2.5°	4782.7	4787.7	4777.7	4772.7	4767.8	4760.3	4762.8	4775.2	4785.2	4782.7
5°	4822.6	4827.6	4820.1	4817.6	4807.7	4805.2	4805.2	4817.6	4825.1	4820.1
7.5°	4867.5	4875.0	4862.6	4860.1	4855.1	4850.1	4847.6	4860.1	4867.5	4867.5
10°	4910.0	4917.4	4907.5	4900.0	4895.0	4895.0	4890.0	4900.0	4912.5	4910.0
12.5°	4954.9	4959.9	4949.9	4944.9	4944.9	4952.4	4944.9	4949.9	4959.9	4954.9
15°	5009.8	5012.3	5009.8	5017.2	5029.7	5054.7	5032.2	5027.2	5032.2	5019.7
17.5°	5084.6	5089.6	5099.6	5117.0	5134.5	5179.4	5139.5	5127.0	5127.0	5102.1
20°	5176.9	5184.4	5199.4	5229.3	5251.8	5294.2	5254.3	5236.8	5229.3	5196.9
22.5°	5274.2	5286.7	5309.1	5349.1	5389.0	5428.9	5389.0	5359.0	5336.6	5294.2
25°	5386.5	5401.5	5436.4	5501.3	5556.1	5613.5	5566.1	5506.2	5461.3	5401.5
27.5°	5546.2	5563.6	5606.0	5685.9	5755.7	5805.6	5760.7	5683.4	5621.0	5548.7
30°	5770.7	5788.2	5838.1	5922.9	5970.3	6002.7	5972.8	5912.9	5838.1	5755.7
32.5°	6060.1	6082.6	6137.5	6217.3	6227.3	6232.3	6222.3	6192.3	6137.5	6037.7
35°	6426.9	6451.8	6514.2	6579.0	6569.1	6579.0	6564.1	6554.1	6514.2	6399.4
37.5°	6875.9	6905.9	6970.7	7020.6	6995.7	6983.2	6985.7	6988.2	6965.8	6838.5
40°	7397.4	7437.3	7484.7	7537.1	7494.7	7457.3	7482.2	7502.2	7482.2	7352.5
42.5°	7933.8	7991.2	8041.1	8115.9	8081.0	8033.6	8068.5	8091.0	8048.5	7908.8
45°	8530.1	8584.9	8649.8	8762.1	8737.1	8687.2	8737.1	8742.1	8669.8	8505.1
47.5°	9146.3	9203.7	9301.0	9450.7	9440.7	9385.8	9450.7	9415.7	9323.4	9126.3
50°	9730.1	9809.9	9959.6	10169.2	10189.2	10121.8	10209.1	10141.8	9987.1	9740.1
52.5°	10279.0	10363.8	10600.8	10885.2	10957.6	10870.3	10987.5	10870.3	10638.2	10321.4
55°	10855.3	10950.1	11232.0	11603.8	11748.5	11683.6	11793.4	11616.2	11286.9	10902.7
57.5°	11533.9	11591.3	11928.1	12369.7	12614.2	12629.2	12679.1	12379.7	11980.5	11543.9
60°	12269.9	12349.7	12716.5	13245.4	13632.1	13756.9	13704.5	13260.4	12796.3	12294.9
62.5°	13213.0	13300.3	13739.4	14373.1	14984.4	15293.7	15089.1	14445.5	13871.6	13270.4
65°	13993.9	14091.2	14884.6	16014.8	17127.5	17748.7	17234.8	16049.7	15016.8	14168.5
67.5°	13427.5	13547.3	14792.3	16868.0	19634.9	21488.6	19729.7	17122.5	15099.1	13949.0
70°	11736.0	11848.3	13300.3	15837.6	20340.9	24402.6	20765.0	16304.2	13347.7	12060.3
72.5°	7791.6	8153.3	9622.8	12666.6	18162.9	22581.3	18342.5	12409.6	8926.7	7774.1
75°	2584.7	2874.1	3877.1	6566.6	12165.1	16888.0	11581.3	5810.6	3071.2	2210.5
77.5°	651.2	751.0	1035.4	1878.7	4852.6	9615.3	4368.6	1534.4	835.8	583.8
80°	316.9	349.3	499.0	626.2	1215.0	3056.3	1140.2	588.8	394.2	304.4
82.5°	174.6	177.1	281.9	354.3	451.6	790.9	469.0	344.3	227.0	184.6
85°	107.3	104.8	149.7	189.6	189.6	281.9	224.5	189.6	129.7	114.8
87.5°	42.4	42.4	54.9	59.9	52.4	72.4	57.4	62.4	49.9	47.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4760.3
4785.2
4822.6
4867.5
4910.0
4952.4
5019.7
5102.1
5196.9
5291.7
5399.0
5546.2
5755.7
6040.1
6399.4
6838.5
7352.5
7918.8
8522.6
9113.9
9735.1
10291.5
10850.3
11484.0
12215.0
13165.6
14028.8
13776.8
11888.2
7522.1
2090.7
521.4
279.4
184.6
119.8
49.9
0.0

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