

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: P956926

Luminaire Tested: **GALN-SB9B-940-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956926
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-SB9B-940-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38923 lumens
Efficiency: N/A
Efficacy: 118.1 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

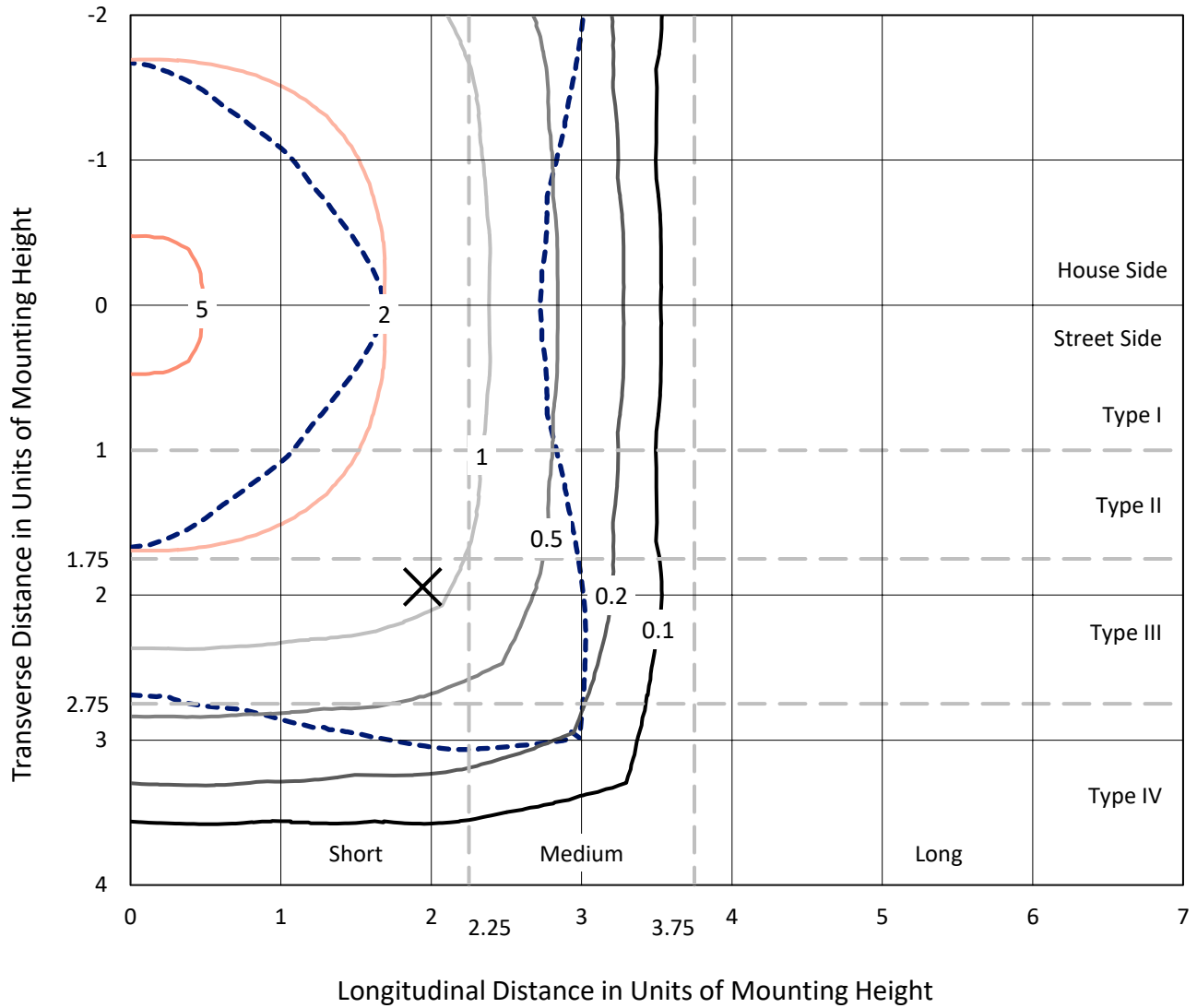
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

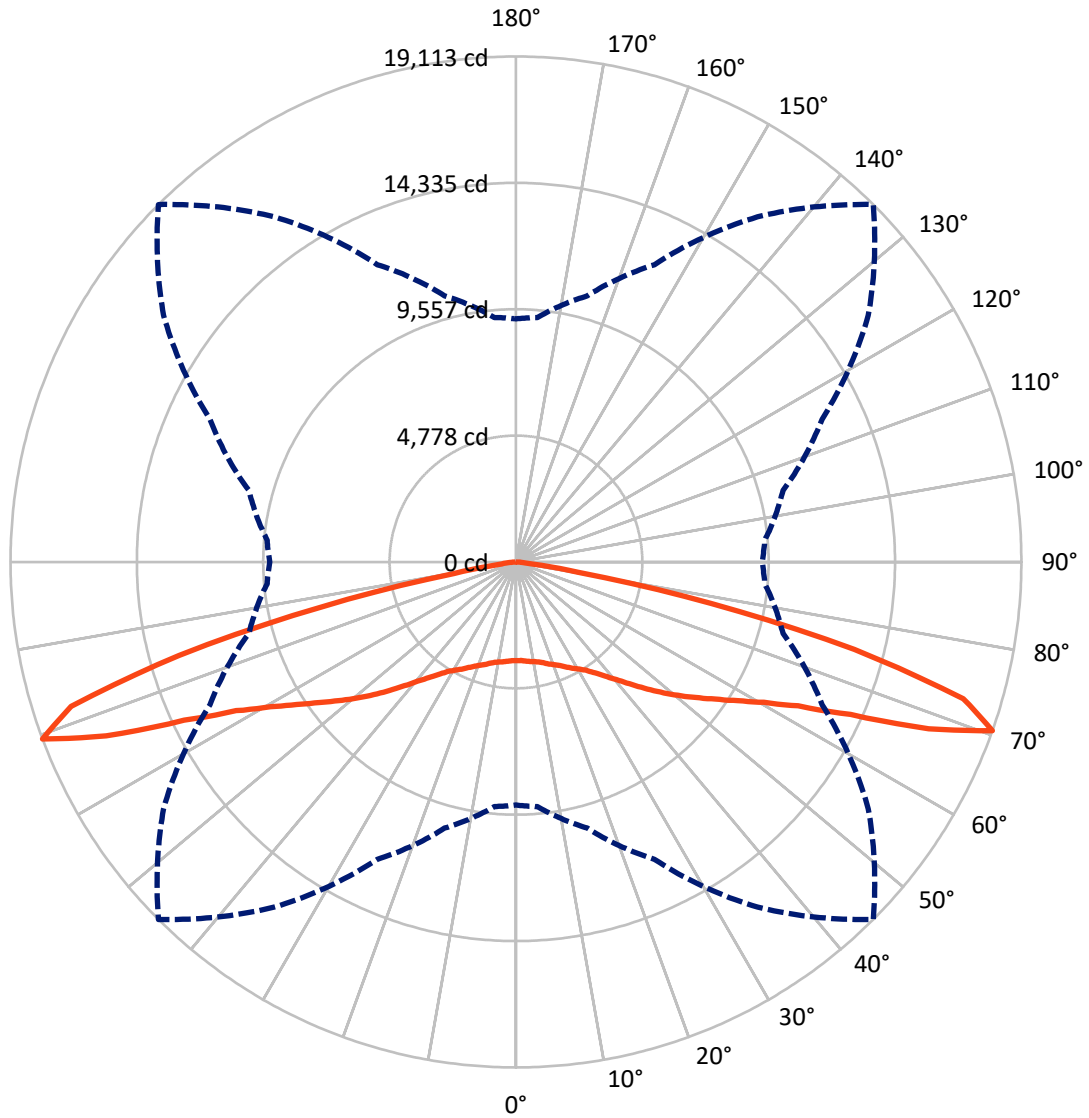
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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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	19461.5	0.0	19461.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19461.5	0.0	19461.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	38923.0	0.0	38923.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.2	0.9
10°-20°	1123.2	2.9
20°-30°	2007.3	5.2
30°-40°	3253.8	8.4
40°-50°	5299.9	13.6
50°-60°	8080.5	20.8
60°-70°	12021.2	30.9
70°-80°	6551.9	16.8
80°-90°	223.1	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°	38923.0	100.0
0°-180°	38923.0	100.0



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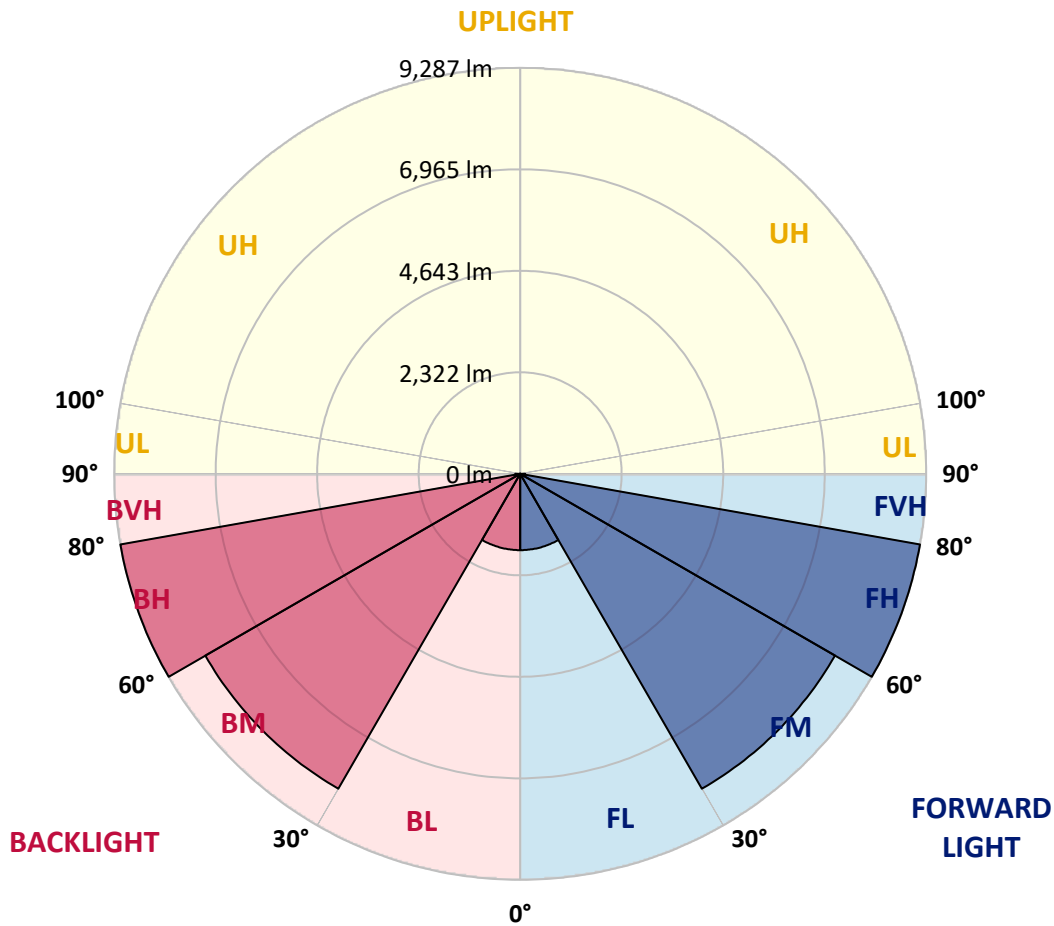
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1746.3	4.5			
FM (30°-60°)	8317.0	21.4			
FH (60°-80°)	9286.6	23.9			G4/12000
FVH (80°-90°)	111.6	0.3			G2/225
BL (0°-30°)	1746.3	4.5	B3/2500		
BM (30°-60°)	8317.0	21.4	B4/8500		
BH (60°-80°)	9286.6	23.9	B5		G4/12000
BVH (80°-90°)	111.6	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°	3728.4	3728.4	3728.4	3728.4	3728.4	3728.4	3728.4	3728.4	3728.4	3728.4
2.5°	3746.0	3749.9	3742.1	3738.2	3734.3	3728.4	3730.4	3740.1	3748.0	3746.0
5°	3777.3	3781.2	3775.3	3773.4	3765.5	3763.6	3763.6	3773.4	3779.2	3775.3
7.5°	3812.4	3818.3	3808.5	3806.6	3802.7	3798.8	3796.8	3806.6	3812.4	3812.4
10°	3845.7	3851.5	3843.7	3837.9	3833.9	3833.9	3830.0	3837.9	3847.6	3845.7
12.5°	3880.8	3884.7	3876.9	3873.0	3873.0	3878.9	3873.0	3876.9	3884.7	3880.8
15°	3923.8	3925.8	3923.8	3929.7	3939.5	3959.0	3941.4	3937.5	3941.4	3931.6
17.5°	3982.5	3986.4	3994.2	4007.9	4021.5	4056.7	4025.4	4015.7	4015.7	3996.1
20°	4054.8	4060.6	4072.3	4095.8	4113.4	4146.6	4115.3	4101.7	4095.8	4070.4
22.5°	4131.0	4140.7	4158.3	4189.6	4220.9	4252.1	4220.9	4197.4	4179.8	4146.6
25°	4218.9	4230.6	4258.0	4308.8	4351.8	4396.7	4359.6	4312.7	4277.5	4230.6
27.5°	4344.0	4357.6	4390.9	4453.4	4508.1	4547.2	4512.0	4451.4	4402.6	4345.9
30°	4519.8	4533.5	4572.6	4639.0	4676.2	4701.6	4678.1	4631.2	4572.6	4508.1
32.5°	4746.5	4764.1	4807.1	4869.6	4877.4	4881.3	4873.5	4850.1	4807.1	4728.9
35°	5033.8	5053.3	5102.2	5153.0	5145.1	5153.0	5141.2	5133.4	5102.2	5012.3
37.5°	5385.5	5408.9	5459.8	5498.8	5479.3	5469.5	5471.5	5473.4	5455.8	5356.2
40°	5793.9	5825.2	5862.3	5903.3	5870.1	5840.8	5860.3	5876.0	5860.3	5758.7
42.5°	6214.0	6259.0	6298.1	6356.7	6329.3	6292.2	6319.6	6337.1	6303.9	6194.5
45°	6681.1	6724.1	6774.9	6862.8	6843.3	6804.2	6843.3	6847.2	6790.5	6661.5
47.5°	7163.7	7208.7	7284.9	7402.1	7394.3	7351.3	7402.1	7374.8	7302.5	7148.1
50°	7621.0	7683.5	7800.8	7964.9	7980.5	7927.8	7996.2	7943.4	7822.3	7628.8
52.5°	8050.9	8117.3	8303.0	8525.7	8582.4	8514.0	8605.9	8514.0	8332.3	8084.1
55°	8502.3	8576.5	8797.4	9088.5	9201.9	9151.0	9237.0	9098.3	8840.3	8539.4
57.5°	9033.8	9078.7	9342.5	9688.4	9879.9	9891.6	9930.7	9696.2	9383.6	9041.6
60°	9610.3	9672.8	9960.0	10374.3	10677.2	10774.9	10733.9	10386.0	10022.6	9629.8
62.5°	10348.9	10417.3	10761.2	11257.6	11736.3	11978.6	11818.4	11314.2	10864.8	10393.9
65°	10960.5	11036.8	11658.2	12543.4	13414.9	13901.5	13498.9	12570.7	11761.7	11097.3
67.5°	10517.0	10610.8	11585.9	13211.7	15378.8	16830.7	15453.0	13411.0	11826.2	10925.4
70°	9192.1	9280.0	10417.3	12404.6	15931.8	19113.0	16264.0	12770.0	10454.4	9446.1
72.5°	6102.7	6386.0	7537.0	9921.0	14225.8	17686.5	14366.5	9719.7	6991.8	6089.0
75°	2024.4	2251.1	3036.7	5143.2	9528.2	13227.3	9070.9	4551.1	2405.5	1731.3
77.5°	510.0	588.2	811.0	1471.4	3800.7	7531.1	3421.6	1201.8	654.6	457.3
80°	248.2	273.6	390.8	490.5	951.6	2393.8	893.0	461.2	308.7	238.4
82.5°	136.8	138.7	220.8	277.5	353.7	619.4	367.4	269.7	177.8	144.6
85°	84.0	82.1	117.2	148.5	148.5	220.8	175.9	148.5	101.6	89.9
87.5°	33.2	33.2	43.0	46.9	41.0	56.7	44.9	48.9	39.1	37.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3728.4
3748.0
3777.3
3812.4
3845.7
3878.9
3931.6
3996.1
4070.4
4144.6
4228.7
4344.0
4508.1
4730.9
5012.3
5356.2
5758.7
6202.3
6675.2
7138.3
7624.9
8060.7
8498.4
8994.7
9567.3
10311.8
10987.9
10790.5
9311.3
5891.6
1637.5
408.4
218.9
144.6
93.8
39.1
0.0

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