

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: P957283

Luminaire Tested: **GALN-SB9C-940-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957283  
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-940-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

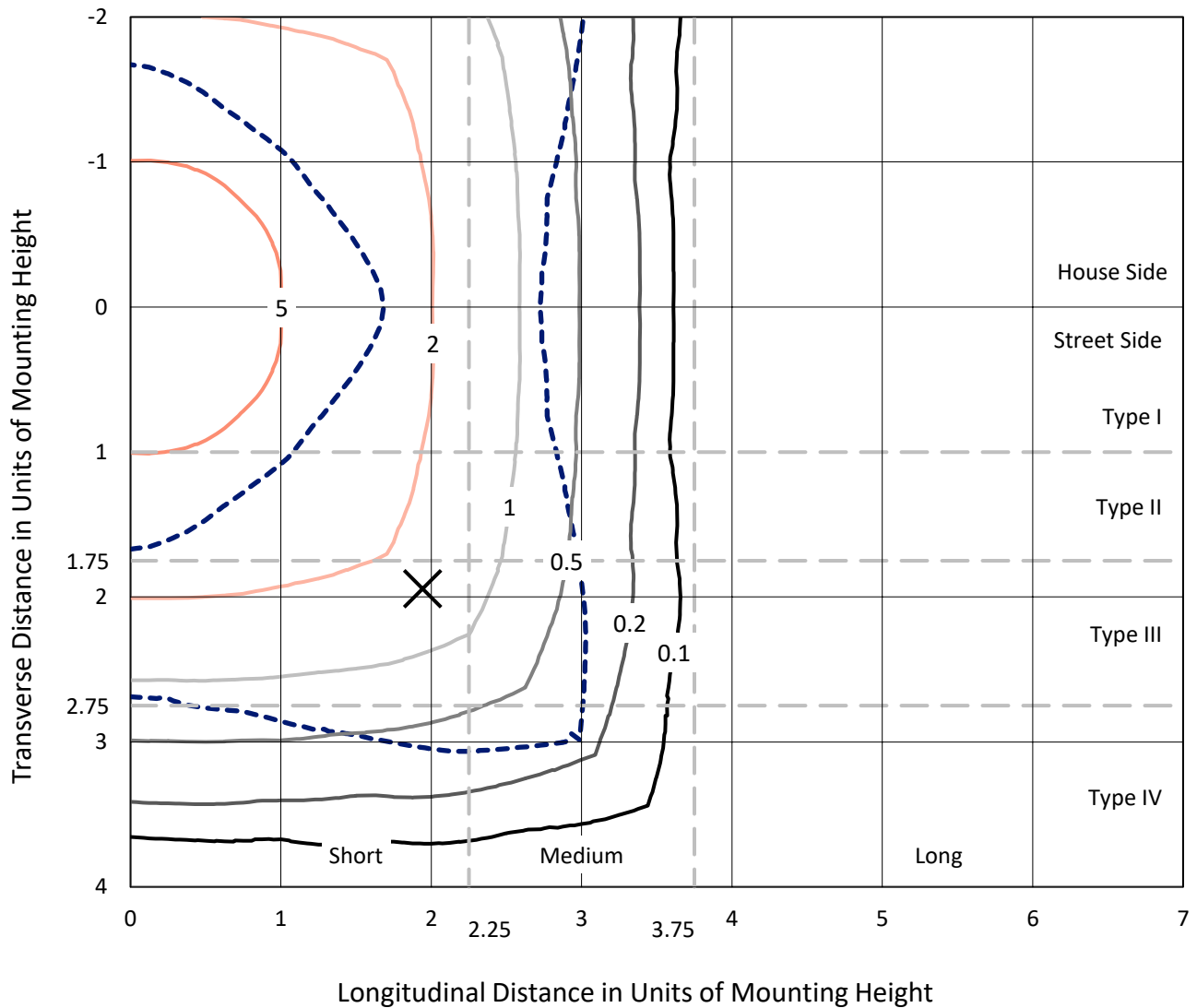
Lumens per Lamp: N/A  
Luminaire Lumens: 51766 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

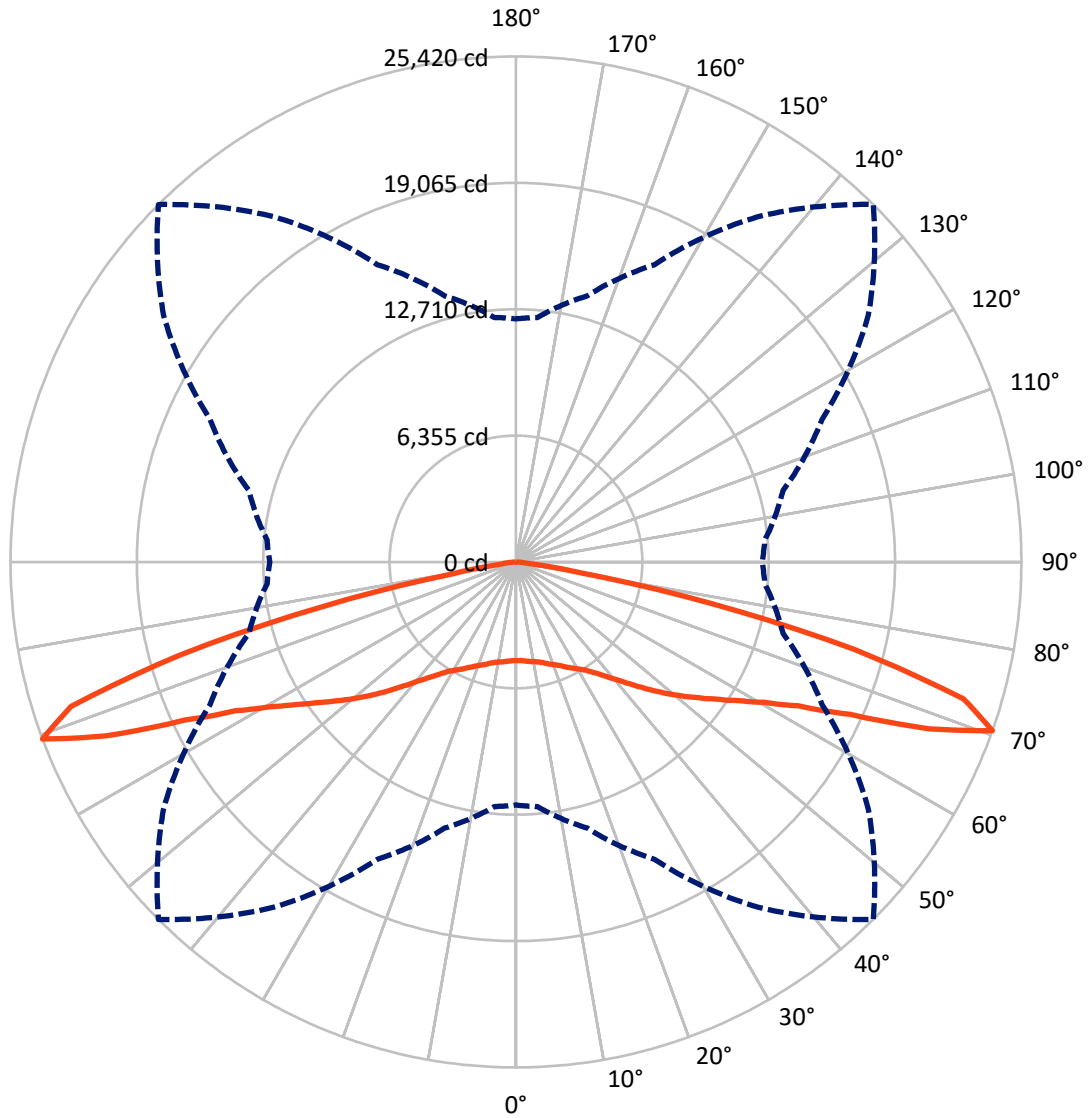
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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
<b>House Side</b>	Lumens	25883.0	0.0	25883.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	25883.0	0.0	25883.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	51766.0	0.0	51766.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	481.7	0.9
10°-20°	1493.8	2.9
20°-30°	2669.6	5.2
30°-40°	4327.4	8.4
40°-50°	7048.6	13.6
50°-60°	10746.7	20.8
60°-70°	15987.7	30.9
70°-80°	8713.8	16.8
80°-90°	296.7	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°	51766.0	100.0
0°-180°	51766.0	100.0

**Coefficient of Utilization**



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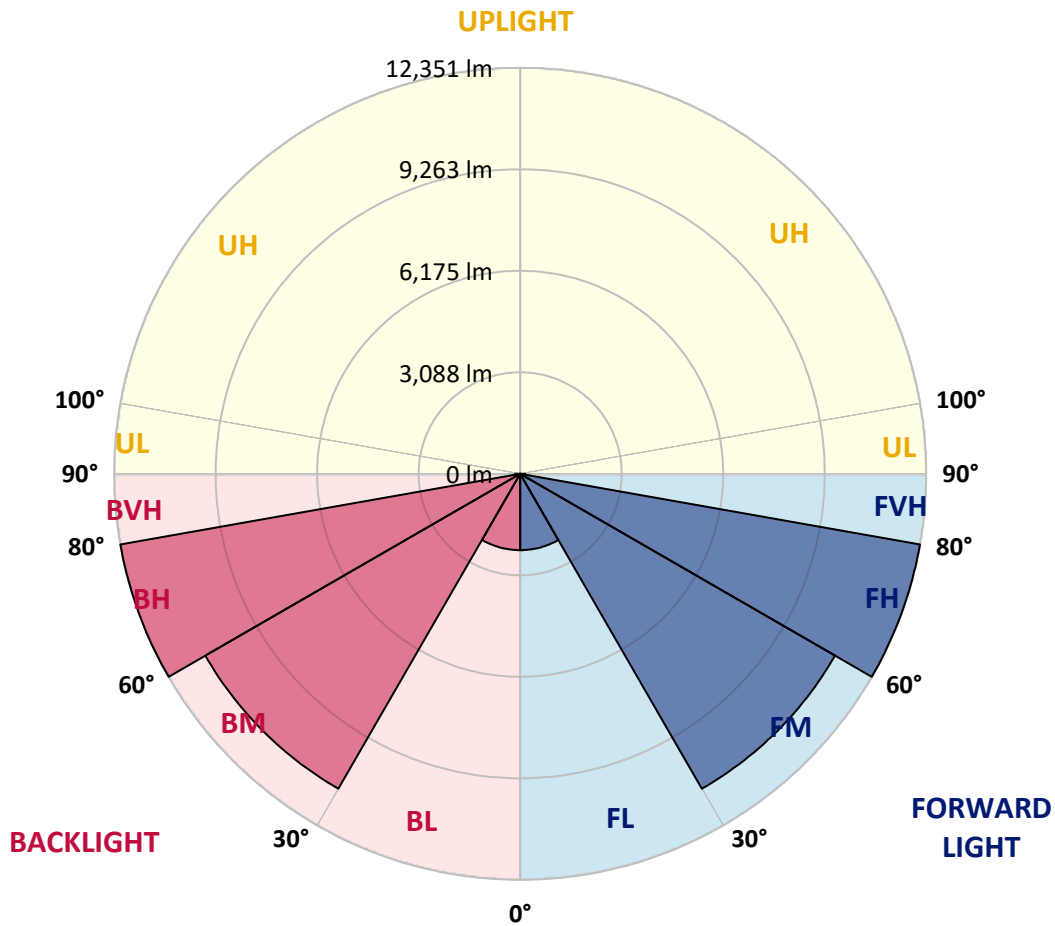
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2322.6	4.5			
FM (30°-60°)	11061.3	21.4			
FH (60°-80°)	12350.7	23.9			G5
FVH (80°-90°)	148.4	0.3			G2/225
BL (0°-30°)	2322.6	4.5	B3/2500		
BM (30°-60°)	11061.3	21.4	B5		
BH (60°-80°)	12350.7	23.9	B5		G5
BVH (80°-90°)	148.4	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-G5**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4958.6	4958.6	4958.6	4958.6	4958.6	4958.6	4958.6	4958.6	4958.6	4958.6
2.5°	4982.0	4987.2	4976.8	4971.6	4966.4	4958.6	4961.2	4974.2	4984.6	4982.0
5°	5023.6	5028.8	5021.0	5018.4	5008.0	5005.4	5005.4	5018.4	5026.2	5021.0
7.5°	5070.4	5078.2	5065.2	5062.6	5057.4	5052.2	5049.6	5062.6	5070.4	5070.4
10°	5114.6	5122.4	5112.0	5104.2	5099.0	5099.0	5093.8	5104.2	5117.2	5114.6
12.5°	5161.4	5166.6	5156.2	5151.0	5151.0	5158.8	5151.0	5156.2	5166.6	5161.4
15°	5218.5	5221.1	5218.5	5226.3	5239.3	5265.3	5241.9	5236.7	5241.9	5228.9
17.5°	5296.5	5301.7	5312.1	5330.3	5348.5	5395.3	5353.7	5340.7	5340.7	5314.7
20°	5392.7	5400.5	5416.0	5447.2	5470.6	5514.8	5473.2	5455.0	5447.2	5413.4
22.5°	5494.0	5507.0	5530.4	5572.0	5613.6	5655.1	5613.6	5582.4	5559.0	5514.8
25°	5611.0	5626.6	5662.9	5730.5	5787.7	5847.5	5798.1	5735.7	5688.9	5626.6
27.5°	5777.3	5795.5	5839.7	5922.8	5995.6	6047.6	6000.8	5920.2	5855.3	5779.9
30°	6011.2	6029.4	6081.4	6169.7	6219.1	6252.9	6221.7	6159.3	6081.4	5995.6
32.5°	6312.7	6336.0	6393.2	6476.4	6486.8	6492.0	6481.6	6450.4	6393.2	6289.3
35°	6694.7	6720.7	6785.7	6853.2	6842.8	6853.2	6837.6	6827.2	6785.7	6666.1
37.5°	7162.5	7193.7	7261.2	7313.2	7287.2	7274.2	7276.8	7279.4	7256.0	7123.5
40°	7705.7	7747.2	7796.6	7851.2	7807.0	7768.0	7794.0	7814.8	7794.0	7658.9
42.5°	8264.4	8324.2	8376.2	8454.1	8417.7	8368.4	8404.8	8428.1	8384.0	8238.4
45°	8885.5	8942.7	9010.3	9127.2	9101.2	9049.3	9101.2	9106.4	9031.1	8859.6
47.5°	9527.5	9587.2	9688.6	9844.5	9834.1	9777.0	9844.5	9808.1	9712.0	9506.7
50°	10135.6	10218.8	10374.7	10593.0	10613.8	10543.6	10634.6	10564.4	10403.3	10146.0
52.5°	10707.4	10795.7	11042.6	11338.9	11414.2	11323.3	11445.4	11323.3	11081.6	10751.5
55°	11307.7	11406.4	11700.1	12087.4	12238.1	12170.5	12284.9	12100.3	11757.3	11357.1
57.5°	12014.6	12074.4	12425.2	12885.2	13139.9	13155.5	13207.5	12895.6	12479.8	12025.0
60°	12781.3	12864.4	13246.4	13797.4	14200.2	14330.2	14275.6	13813.0	13329.6	12807.2
62.5°	13763.6	13854.6	14312.0	14972.1	15608.8	15931.1	15718.0	15047.5	14449.7	13823.4
65°	14577.1	14678.4	15504.9	16682.2	17841.3	18488.4	17953.0	16718.5	15642.6	14759.0
67.5°	13987.1	14111.9	15408.7	17571.0	20453.1	22384.1	20551.9	17836.1	15728.4	14530.3
70°	12225.1	12342.0	13854.6	16497.6	21188.6	25419.6	21630.4	16983.6	13904.0	12562.9
72.5°	8116.3	8493.1	10023.8	13194.5	18919.8	23522.4	19106.9	12926.8	9298.8	8098.1
75°	2692.4	2993.9	4038.6	6840.2	12672.1	17591.8	12064.0	6052.8	3199.2	2302.6
77.5°	678.3	782.3	1078.5	1957.0	5054.8	10016.1	4550.6	1598.3	870.6	608.1
80°	330.1	363.8	519.8	652.3	1265.7	3183.6	1187.7	613.3	410.6	317.1
82.5°	181.9	184.5	293.7	369.0	470.4	823.8	488.6	358.6	236.5	192.3
85°	111.8	109.2	155.9	197.5	197.5	293.7	233.9	197.5	135.1	119.5
87.5°	44.2	44.2	57.2	62.4	54.6	75.4	59.8	65.0	52.0	49.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4958.6
4984.6
5023.6
5070.4
5114.6
5158.8
5228.9
5314.7
5413.4
5512.2
5624.0
5777.3
5995.6
6291.9
6666.1
7123.5
7658.9
8248.8
8877.7
9493.7
10140.8
10720.3
11302.5
11962.6
12724.1
13714.2
14613.5
14351.0
12383.6
7835.6
2177.9
543.2
291.1
192.3
124.7
52.0
0.0

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