

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: P957308

Luminaire Tested: **GALN-SB9C-950-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957308  
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-950-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

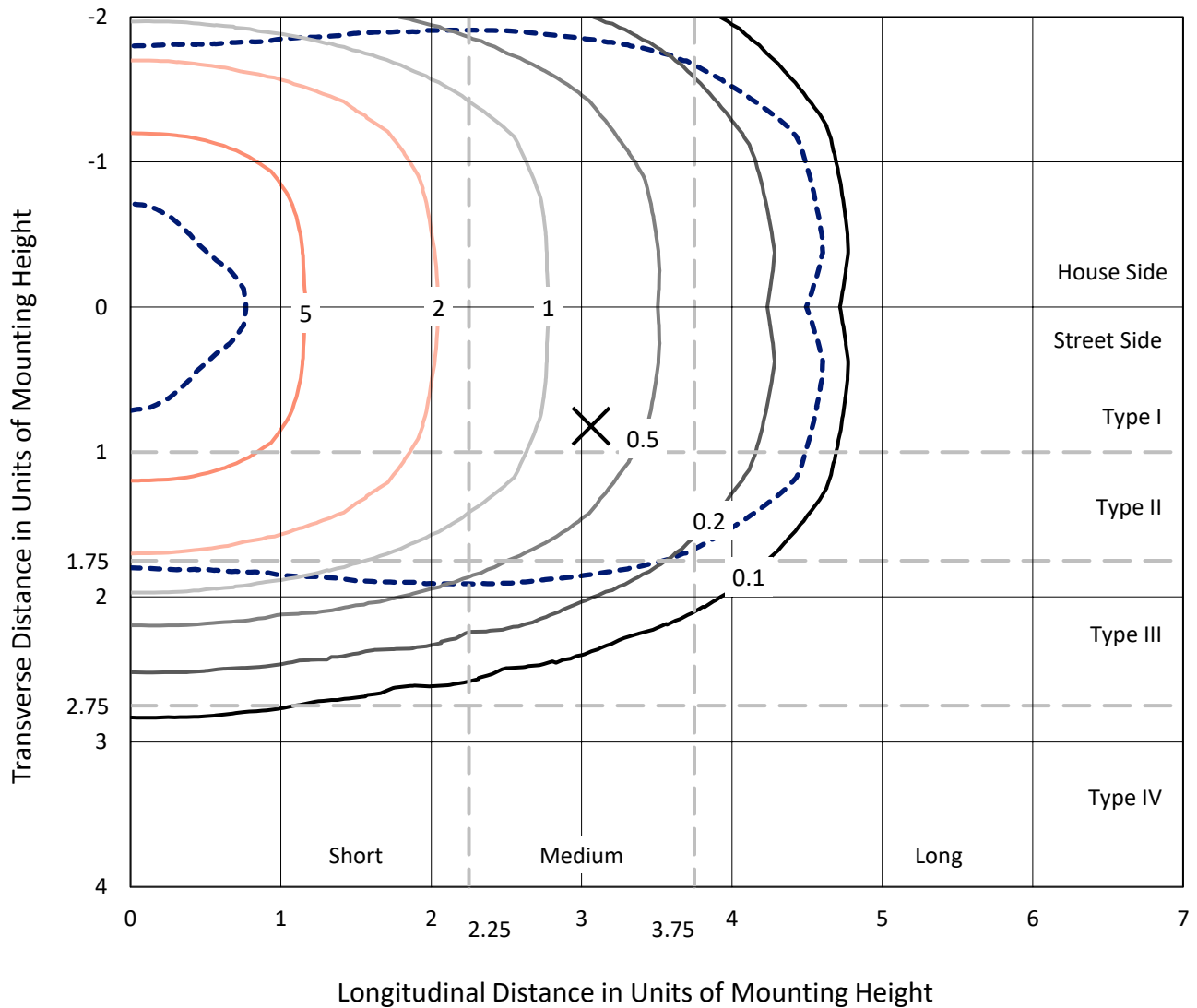
Lumens per Lamp: N/A  
Luminaire Lumens: 48865 lumens  
Efficiency: N/A  
Efficacy: 108.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): 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

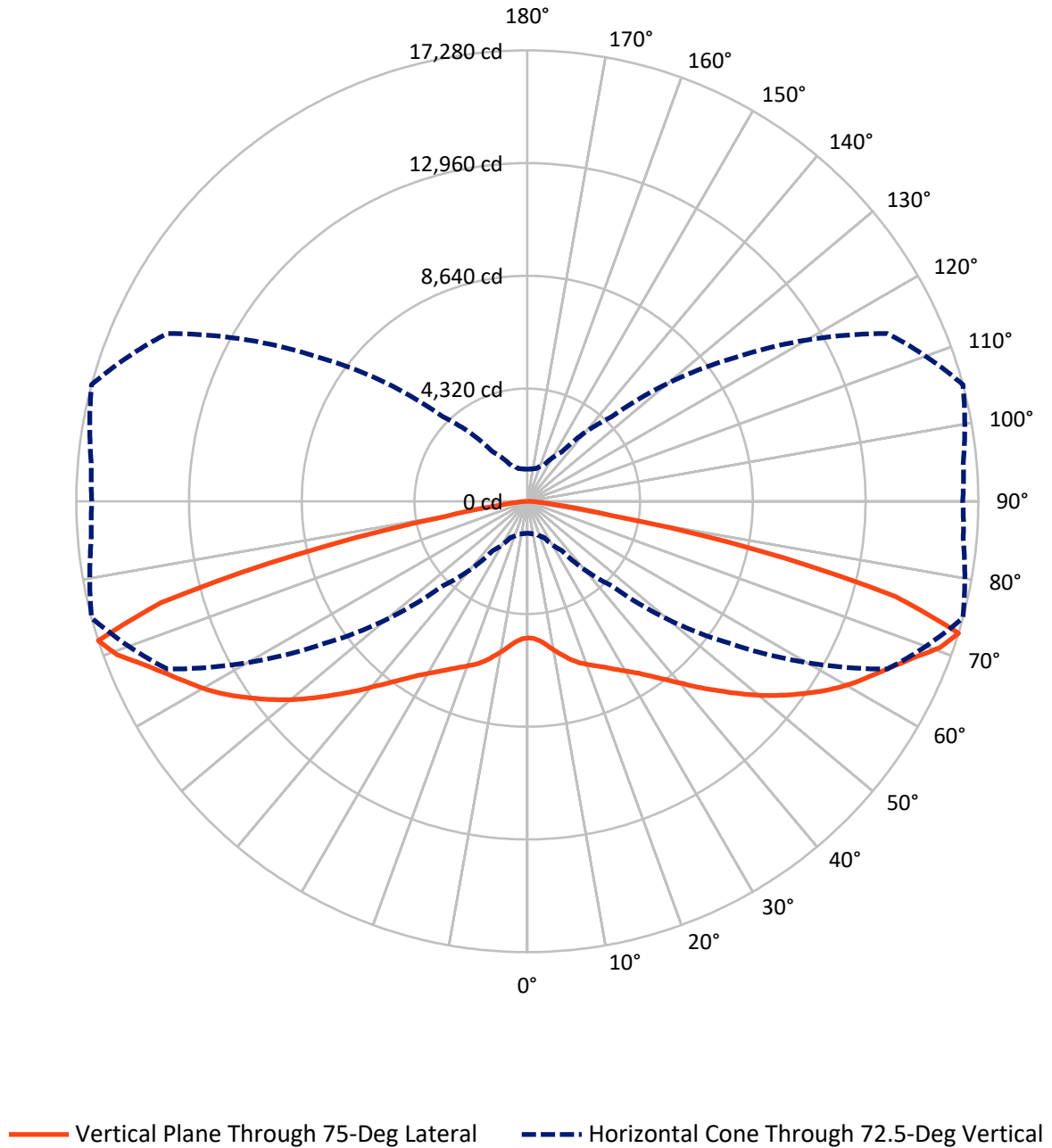
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	24432.5	0.0	24432.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	24432.5	0.0	24432.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	48865.0	0.0	48865.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	512.8	1.0
10°-20°	1691.1	3.5
20°-30°	3267.8	6.7
30°-40°	5517.8	11.3
40°-50°	8750.7	17.9
50°-60°	11716.1	24.0
60°-70°	11150.0	22.8
70°-80°	5818.3	11.9
80°-90°	440.4	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°	48865.0	100.0
0°-180°	48865.0	100.0

**Coefficient of Utilization**



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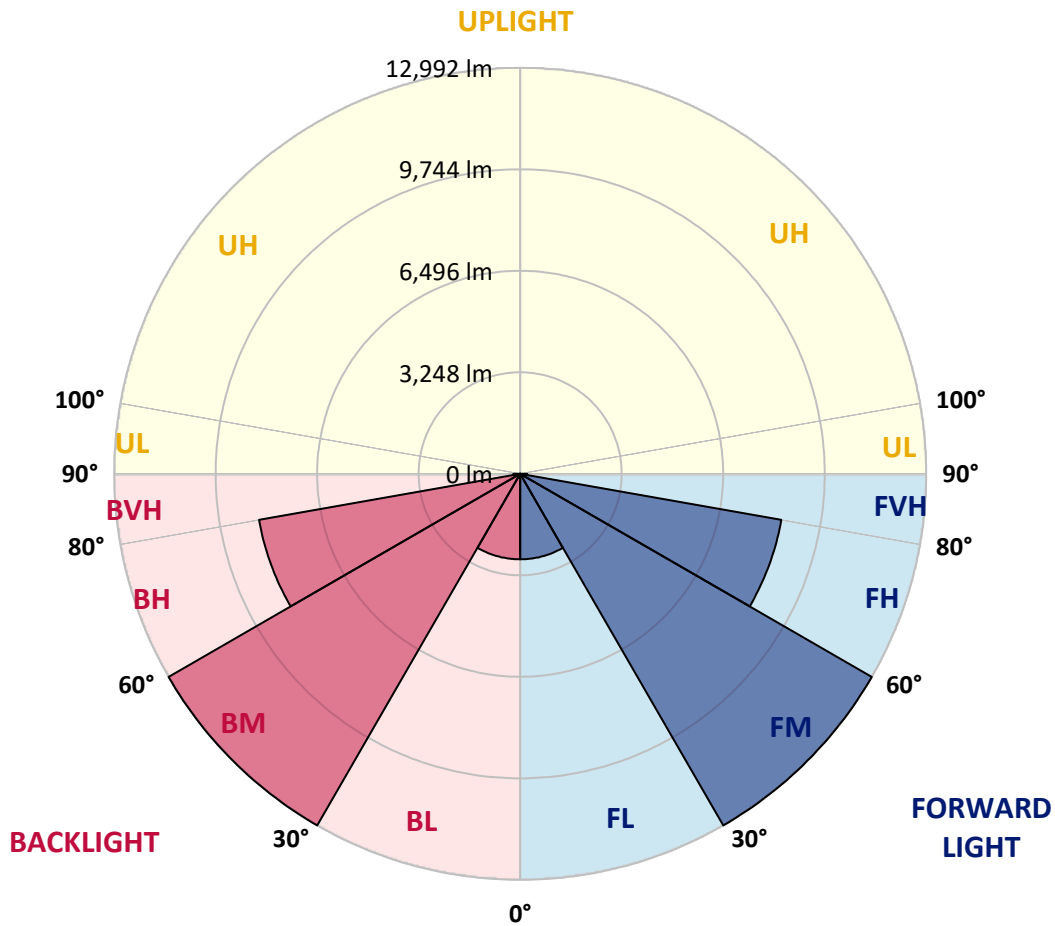
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2735.8	5.6			
FM (30°-60°)	12992.3	26.6			
FH (60°-80°)	8484.1	17.4			G4/12000
FVH (80°-90°)	220.2	0.5			G2/225
BL (0°-30°)	2735.8	5.6	B4/5000		
BM (30°-60°)	12992.3	26.6	B5		
BH (60°-80°)	8484.1	17.4	B5		G5
BVH (80°-90°)	220.2	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°	5234.3	5234.3	5234.3	5234.3	5234.3	5234.3	5234.3	5234.3	5234.3	5234.3
2.5°	5234.3	5229.3	5234.3	5239.3	5236.8	5236.8	5249.3	5256.8	5271.7	5269.2
5°	5199.4	5196.9	5216.9	5239.3	5256.8	5286.7	5324.1	5351.6	5386.5	5394.0
7.5°	5181.9	5174.4	5209.4	5249.3	5304.2	5379.0	5451.4	5526.2	5586.1	5606.1
10°	5194.4	5196.9	5244.3	5319.1	5406.5	5511.3	5613.5	5740.8	5825.6	5845.6
12.5°	5251.8	5246.8	5326.6	5446.4	5566.1	5698.4	5818.1	5957.8	6050.2	6097.6
15°	5356.6	5346.6	5458.9	5636.0	5810.6	5965.3	6062.6	6194.9	6302.1	6362.0
17.5°	5481.3	5486.3	5633.5	5863.0	6092.6	6267.2	6359.5	6426.9	6509.2	6561.6
20°	5700.9	5710.8	5875.5	6147.5	6409.4	6609.0	6683.9	6658.9	6681.4	6721.3
22.5°	5995.3	6000.3	6184.9	6479.3	6753.7	6973.3	7023.2	6920.9	6858.5	6885.9
25°	6337.1	6369.5	6554.1	6856.0	7137.9	7347.5	7370.0	7215.3	7060.6	7068.1
27.5°	6753.7	6783.7	6970.8	7270.2	7557.1	7739.2	7736.7	7529.6	7302.6	7245.2
30°	7205.3	7237.7	7429.8	7739.2	8006.2	8165.8	8130.9	7883.9	7559.6	7452.3
32.5°	7741.7	7761.7	7956.3	8265.6	8512.6	8639.9	8567.5	8263.1	7859.0	7736.7
35°	8390.4	8420.3	8565.0	8856.9	9074.0	9178.8	9056.5	8697.2	8243.2	8106.0
37.5°	9131.4	9111.4	9276.1	9535.5	9715.2	9780.0	9612.9	9186.2	8682.3	8520.1
40°	9904.8	9894.8	10074.4	10323.9	10421.2	10461.1	10214.2	9747.6	9188.7	9014.1
42.5°	10605.9	10598.4	10840.4	11117.3	11234.6	11189.7	10877.8	10343.9	9775.0	9575.5
45°	11167.2	11157.2	11454.1	11843.3	12072.9	11998.0	11578.9	11002.5	10368.8	10161.8
47.5°	11598.8	11603.8	11923.2	12404.7	12806.4	12833.8	12294.9	11673.7	11022.5	10788.0
50°	11910.7	11925.7	12267.5	12801.4	13350.3	13592.3	13025.9	12362.3	11698.6	11434.2
52.5°	11988.0	12015.5	12427.1	13053.4	13699.5	14161.1	13769.4	13023.4	12339.8	12087.8
55°	11576.4	11631.3	12152.7	13033.4	13914.1	14535.3	14423.1	13694.5	12986.0	12726.5
57.5°	10630.8	10708.1	11316.9	12467.1	13866.7	14792.3	14929.5	14338.2	13632.2	13382.7
60°	9306.0	9398.3	9982.1	11237.1	13198.1	14887.1	15286.3	14964.5	14226.0	13984.0
62.5°	7307.6	7427.3	8125.9	9597.9	11785.9	14445.5	15590.7	15530.8	14759.9	14458.0
65°	4687.9	4815.2	5551.2	7290.1	9902.3	13093.3	15685.5	16082.2	15323.7	14902.1
67.5°	2826.7	2884.1	3248.4	4418.5	7237.7	11054.9	14882.1	16693.4	15982.4	15458.4
70°	1808.8	1841.2	2058.3	2594.7	4091.6	8066.0	12891.2	16808.2	16780.7	16029.8
72.5°	1227.5	1237.5	1294.9	1536.9	2315.3	4583.1	9508.1	15216.4	17279.7	16765.8
75°	898.2	953.1	1045.4	1087.8	1314.8	2290.3	5448.9	10690.7	14562.8	14787.3
77.5°	668.6	671.1	798.4	848.3	938.1	1220.0	2305.3	5967.8	9041.5	9493.1
80°	566.3	536.4	533.9	683.6	706.1	760.9	1030.4	2060.8	3238.4	1963.5
82.5°	471.5	439.1	396.7	533.9	481.5	466.5	446.6	838.3	1030.4	506.5
85°	329.3	314.4	299.4	349.3	274.4	234.5	214.6	391.7	434.1	214.6
87.5°	142.2	147.2	149.7	154.7	114.8	82.3	82.3	109.8	109.8	84.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
5234.3  
5266.8  
5394.0  
5611.0  
5865.5  
6117.5  
6384.5  
6586.6  
6751.2  
6905.9  
7080.5  
7262.7  
7464.8  
7766.6  
8125.9  
8550.0  
9071.5  
9625.4  
10209.2  
10857.8  
11514.0  
12152.7  
12798.9  
13440.1  
14036.4  
14492.9  
14954.5  
15498.4  
16024.8  
*16685.9*  
14243.4  
8467.7  
1484.5  
431.6  
189.6  
62.4  
0.0

OF REPORT)