

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: P953756

Luminaire Tested: **GALN-SB7B-722-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953756  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7B-722-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

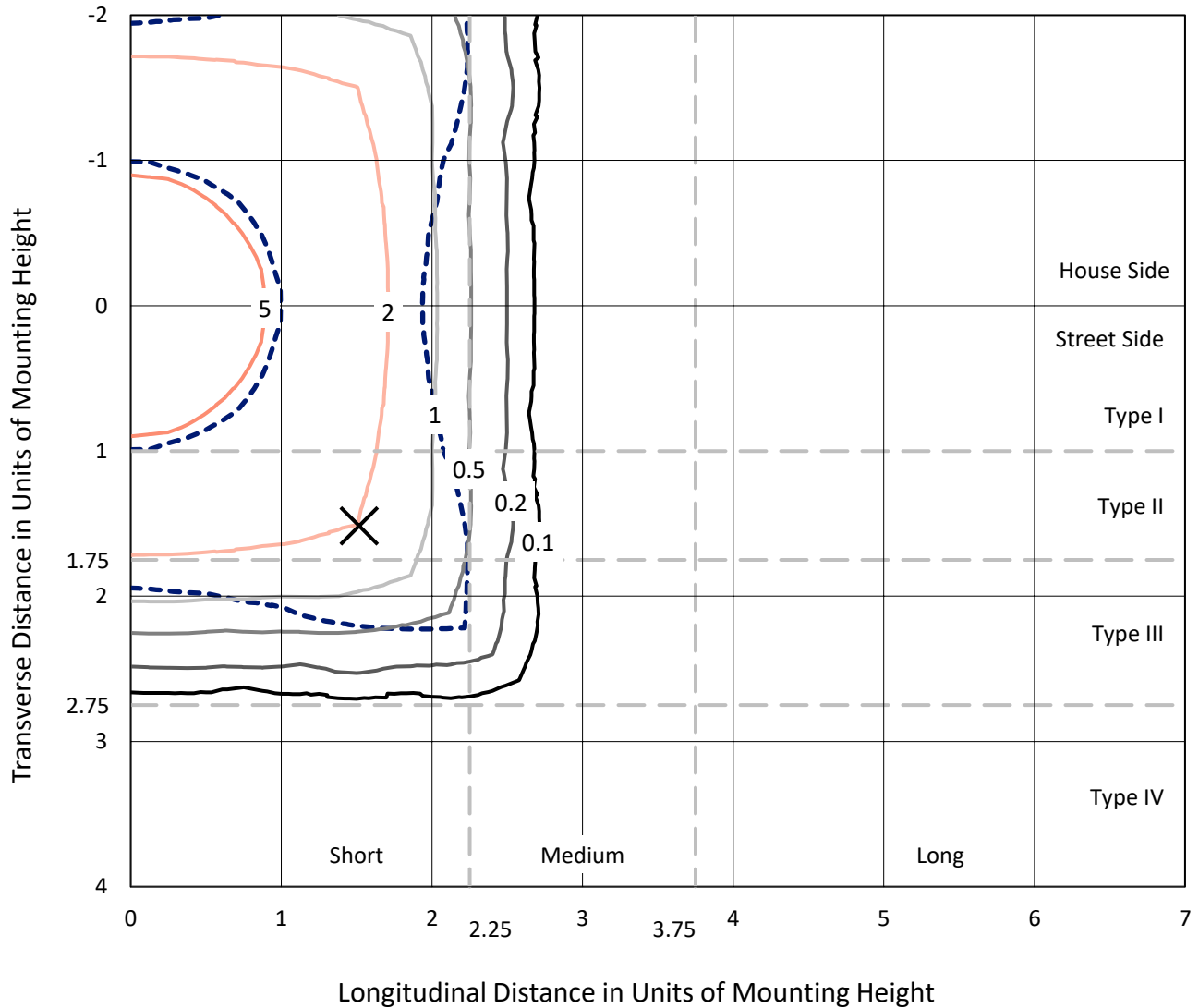
Lumens per Lamp: N/A  
Luminaire Lumens: 34666 lumens  
Efficiency: N/A  
Efficacy: 135.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

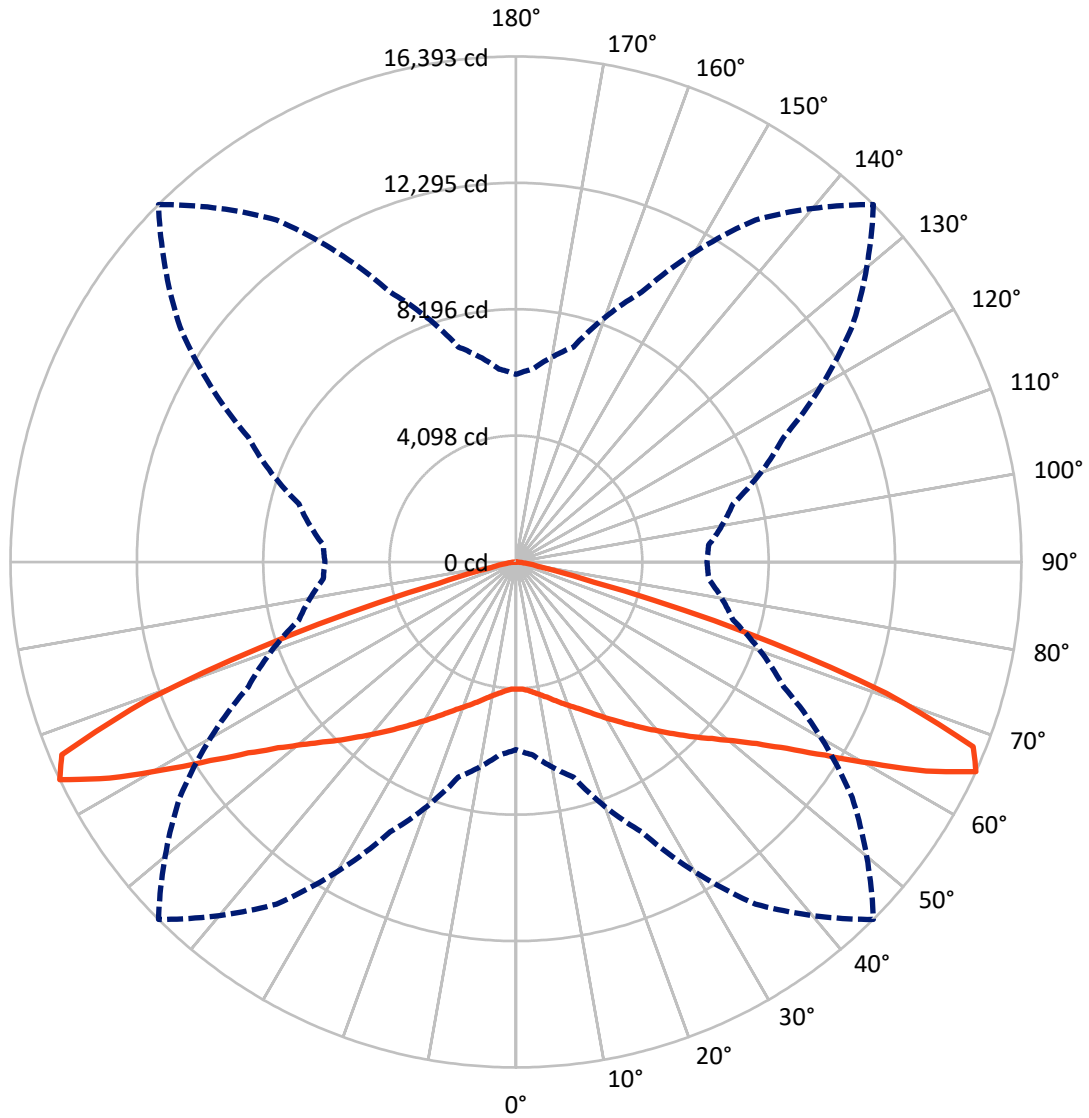
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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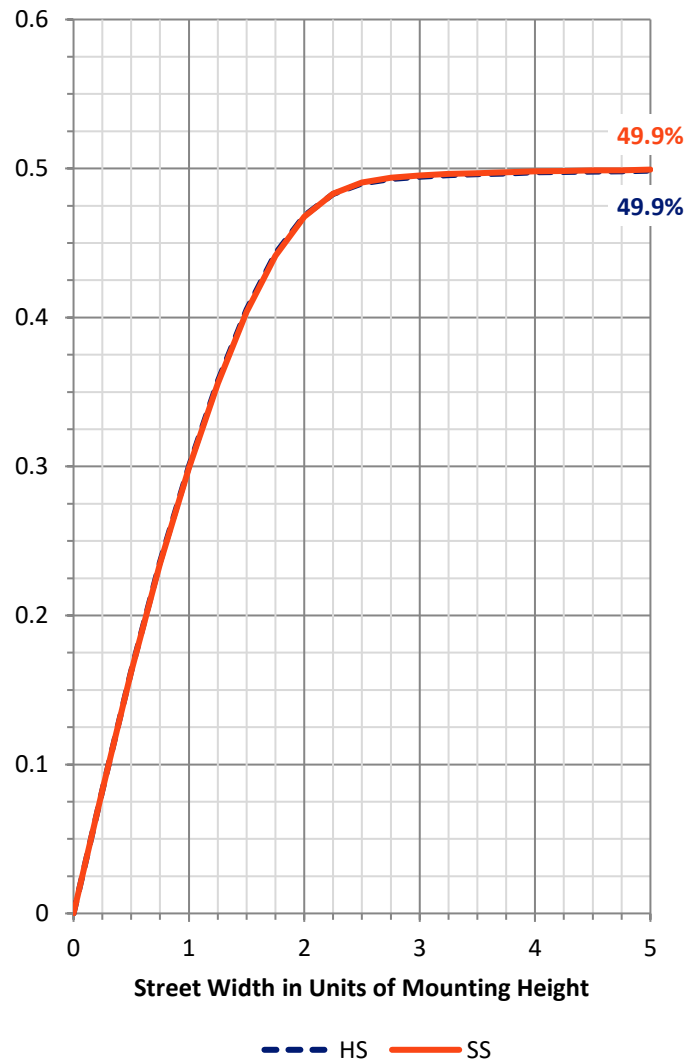
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17333.0	0.0	17333.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17333.0	0.0	17333.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34666.0	0.0	34666.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	407.2	1.2
10°-20°	1328.6	3.8
20°-30°	2508.5	7.2
30°-40°	4107.6	11.8
40°-50°	6368.9	18.4
50°-60°	9408.2	27.1
60°-70°	8955.7	25.8
70°-80°	1445.1	4.2
80°-90°	136.2	0.4
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°	34666.0	100.0
0°-180°	34666.0	100.0



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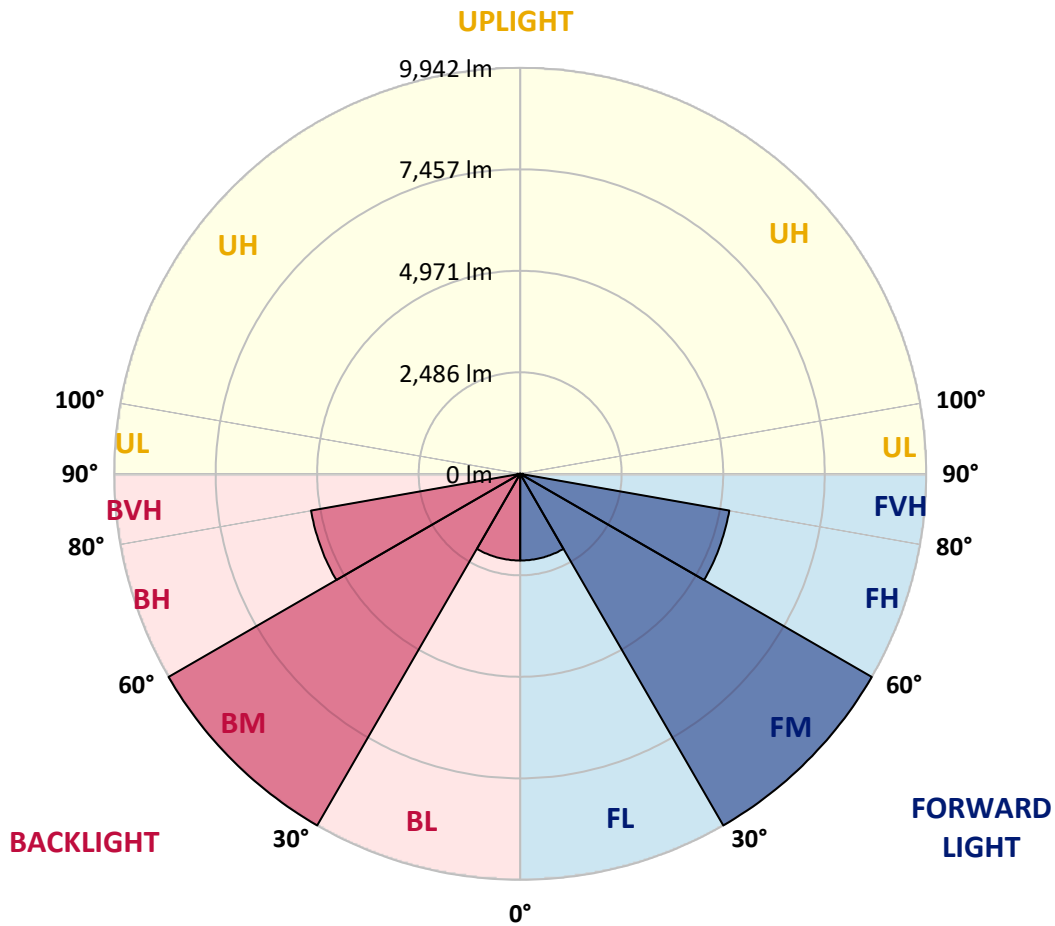
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2122.1	6.1			
FM (30°-60°)	9942.3	28.7			
FH (60°-80°)	5200.4	15.0			G3/7500
FVH (80°-90°)	68.1	0.2			G1/100
BL (0°-30°)	2122.1	6.1	B3/2500		
BM (30°-60°)	9942.3	28.7	B5		
BH (60°-80°)	5200.4	15.0	B5		G3/7500
BVH (80°-90°)	68.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4125.6	4125.6	4125.6	4125.6	4125.6	4125.6	4125.6	4125.6	4125.6	4125.6	4125.6
2.5°	4153.4	4139.5	4150.0	4141.3	4134.3	4127.3	4130.8	4143.0	4148.2	4150.0	4150.0
5°	4209.1	4196.9	4202.1	4202.1	4190.0	4186.5	4188.2	4196.9	4207.3	4207.3	4207.3
7.5°	4299.5	4287.4	4299.5	4292.6	4282.1	4278.7	4276.9	4283.9	4299.5	4299.5	4294.3
10°	4409.1	4395.2	4402.1	4398.7	4386.5	4381.3	4379.5	4390.0	4403.9	4402.1	4398.7
12.5°	4529.1	4513.5	4522.2	4511.7	4508.2	4503.0	4503.0	4501.3	4510.0	4503.0	4506.5
15°	4663.0	4652.6	4656.1	4649.1	4654.3	4650.9	4637.0	4630.0	4633.5	4623.0	4624.8
17.5°	4821.3	4797.0	4809.1	4805.7	4805.7	4812.6	4790.0	4781.3	4788.3	4777.8	4786.5
20°	5003.9	4979.6	4984.8	4977.9	4969.2	4976.1	4948.3	4955.2	4960.5	4953.5	4969.2
22.5°	5204.0	5172.7	5170.9	5174.4	5155.3	5157.0	5137.9	5155.3	5165.7	5146.6	5165.7
25°	5409.2	5376.2	5398.8	5390.1	5365.7	5370.9	5357.0	5374.4	5383.1	5358.8	5386.6
27.5°	5626.6	5604.0	5624.9	5630.1	5600.5	5621.4	5600.5	5616.2	5624.9	5588.3	5616.2
30°	5880.5	5857.9	5877.1	5891.0	5856.2	5889.2	5871.8	5882.3	5884.0	5840.5	5866.6
32.5°	6157.1	6122.3	6171.0	6178.0	6139.7	6179.7	6157.1	6171.0	6179.7	6120.6	6160.6
35°	6494.5	6451.0	6506.7	6498.0	6464.9	6498.0	6477.1	6498.0	6518.9	6447.6	6491.0
37.5°	6858.0	6812.8	6871.9	6856.3	6825.0	6847.6	6835.4	6849.3	6882.4	6805.8	6852.8
40°	7258.1	7202.4	7282.4	7254.6	7225.0	7221.5	7228.5	7237.2	7280.7	7195.5	7223.3
42.5°	7685.9	7626.8	7746.8	7703.3	7661.6	7633.8	7656.4	7673.8	7715.5	7619.8	7670.3
45°	8174.7	8106.8	8263.4	8211.2	8145.1	8087.7	8124.2	8150.3	8211.2	8096.4	8155.5
47.5°	8713.9	8637.3	8804.3	8788.6	8680.8	8555.6	8639.1	8713.9	8759.1	8619.9	8666.9
50°	9240.9	9181.7	9400.9	9420.0	9287.8	9112.2	9228.7	9341.7	9353.9	9171.3	9193.9
52.5°	9734.8	9675.7	9994.0	10114.0	9995.7	9787.0	9910.5	10025.3	9933.1	9696.6	9703.5
55°	10129.6	10080.9	10486.2	10795.8	10835.8	10663.6	10736.6	10733.2	10430.5	10067.0	10079.2
57.5°	10225.3	10218.3	10729.7	11385.4	11802.8	11823.7	11679.3	11310.6	10658.4	10169.6	10138.3
60°	9790.5	9834.0	10536.6	11693.3	12806.4	13269.1	12644.7	11592.4	10399.2	9720.9	9640.9
62.5°	8489.5	8604.3	9451.3	11317.6	13616.9	14931.8	13418.6	11164.5	9334.8	8449.5	8397.3
65°	6084.0	6284.1	7219.8	9658.3	13543.9	16392.8	13307.3	9580.0	7289.4	6268.4	6193.6
67.5°	2760.3	2963.8	3758.6	6612.8	11773.3	15996.3	11745.4	6682.4	3946.5	2974.2	2930.7
70°	1000.1	1034.9	1290.6	2647.2	7524.2	12745.5	7845.9	2666.3	1372.3	1102.7	1088.8
72.5°	605.3	610.5	664.4	947.9	2614.2	7738.1	2725.5	979.2	678.3	601.8	612.2
75°	384.4	380.9	473.1	579.2	927.0	2610.7	972.3	579.2	471.3	429.6	433.1
77.5°	276.5	285.2	339.2	433.1	584.4	885.3	574.0	414.0	339.2	278.3	283.5
80°	207.0	212.2	247.0	337.4	410.5	551.4	365.3	306.1	255.7	173.9	179.1
82.5°	149.6	149.6	161.8	245.2	250.5	297.4	198.3	215.7	168.7	123.5	123.5
85°	88.7	87.0	100.9	146.1	130.4	109.6	90.4	132.2	106.1	76.5	74.8
87.5°	31.3	33.0	31.3	41.7	34.8	29.6	27.8	36.5	29.6	26.1	24.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)