

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: P943763

Luminaire Tested: **GALN-SB8B-927-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943763  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB8B-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27419 lumens  
Efficiency: N/A  
Efficacy: 93.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

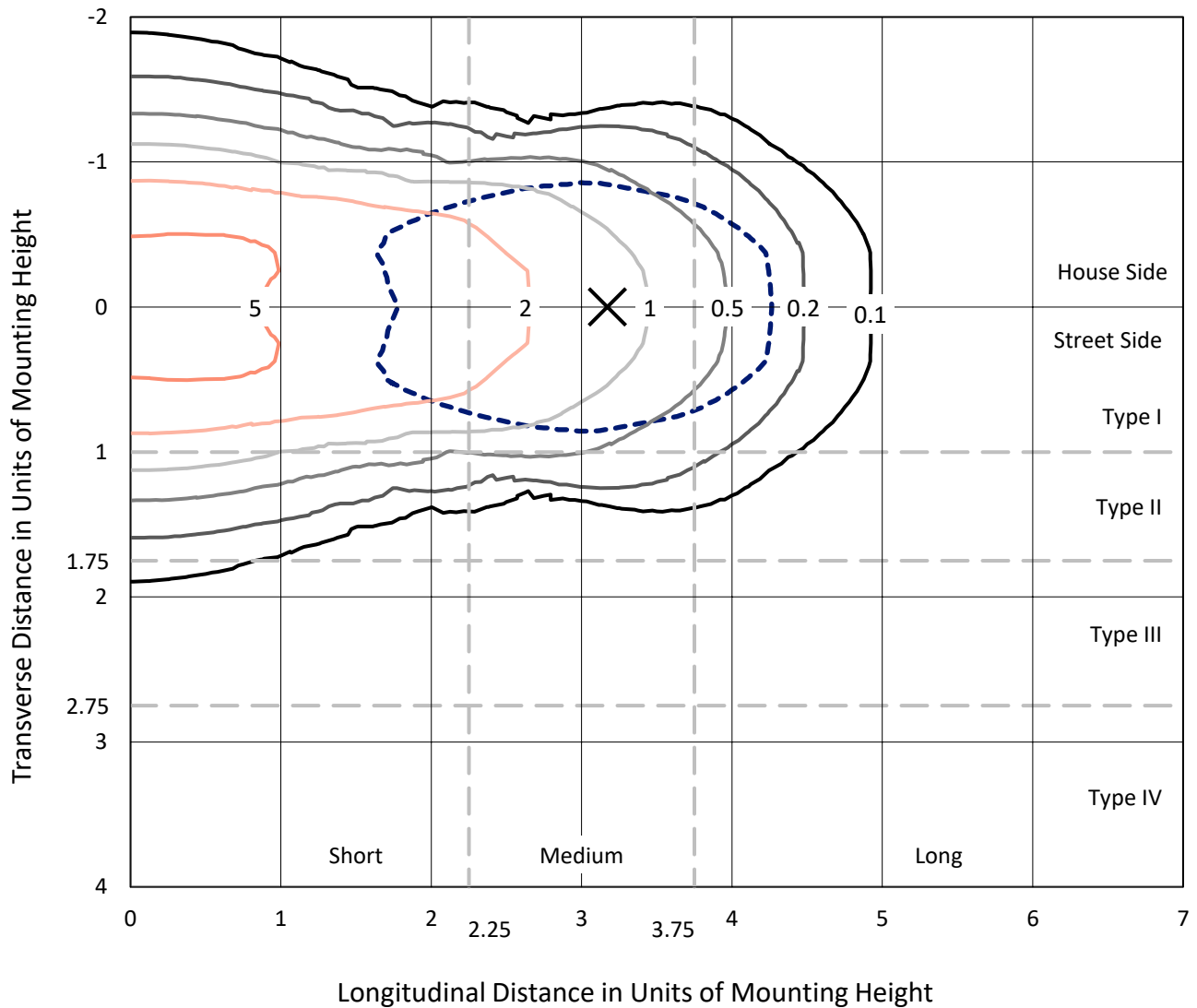
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

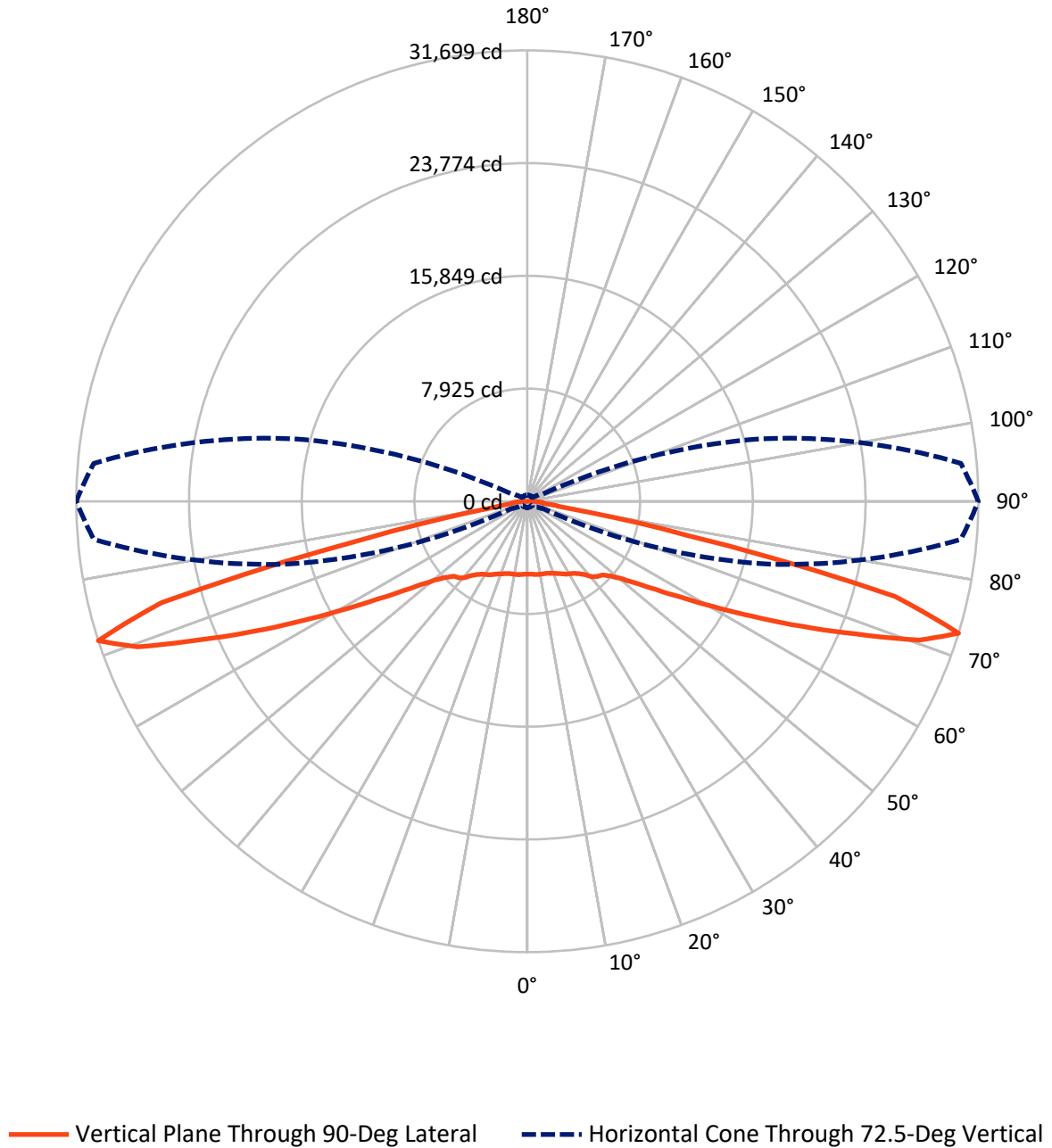
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13709.5	0.0	13709.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13709.5	0.0	13709.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27419.0	0.0	27419.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	496.8	1.8
10°-20°	1519.0	5.5
20°-30°	2532.8	9.2
30°-40°	3483.3	12.7
40°-50°	4254.1	15.5
50°-60°	4920.3	17.9
60°-70°	5866.7	21.4
70°-80°	4094.6	14.9
80°-90°	251.5	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°	27419.0	100.0
0°-180°	27419.0	100.0

**Coefficient of Utilization**



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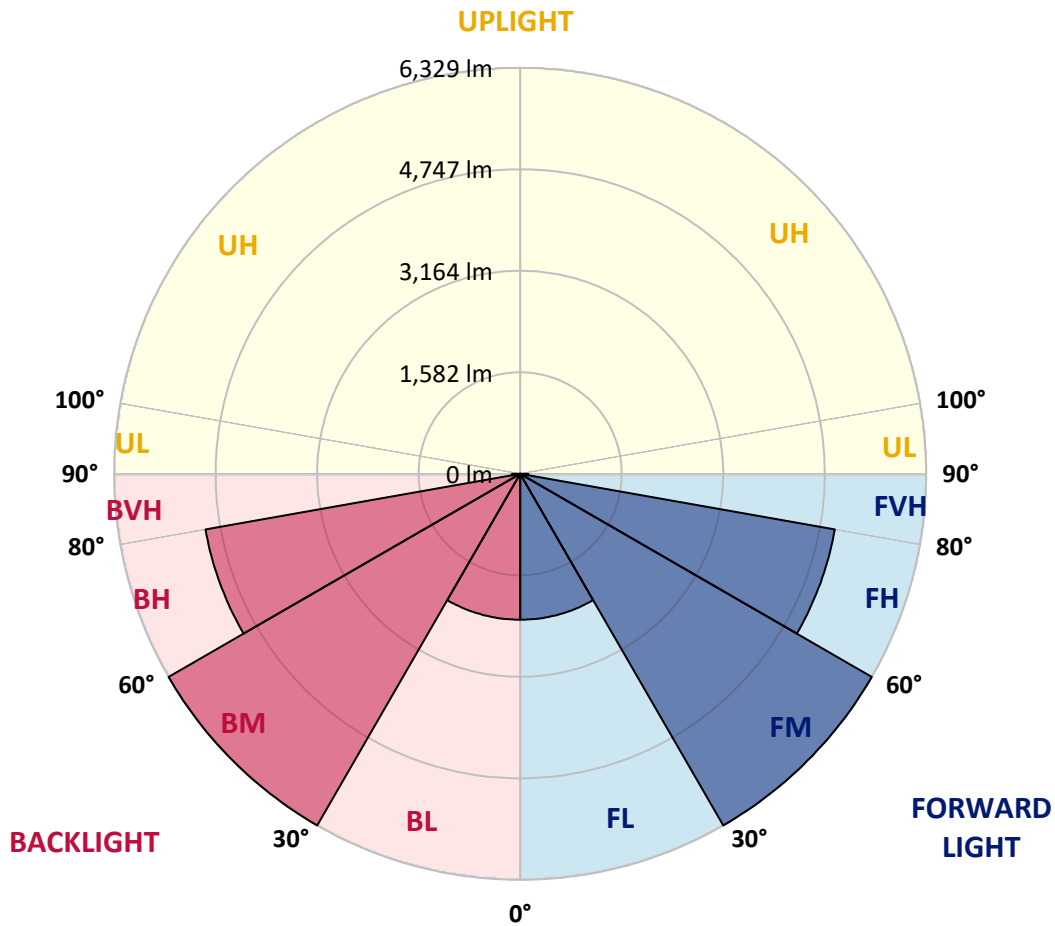
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2274.3	8.3			
FM	(30°-60°)	6328.9	23.1			
FH	(60°-80°)	4980.6	18.2			G2/5000
FVH	(80°-90°)	125.7	0.5			G2/225
BL	(0°-30°)	2274.3	8.3	B3/2500		
BM	(30°-60°)	6328.9	23.1	B4/8500		
BH	(60°-80°)	4980.6	18.2	B4/5000		G4/5000
BVH	(80°-90°)	125.7	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5123.5	5123.5	5123.5	5123.5	5123.5	5123.5	5123.5	5123.5	5123.5	5123.5
2.5°	5127.9	5133.7	5133.7	5129.4	5139.6	5130.8	5130.8	5126.4	5130.8	5126.4
5°	5154.1	5161.4	5164.3	5162.9	5176.0	5168.7	5168.7	5162.9	5164.3	5160.0
7.5°	5203.7	5213.9	5219.7	5227.0	5245.9	5237.2	5231.4	5213.9	5206.6	5194.9
10°	5219.7	5231.4	5250.3	5288.2	5331.9	5333.4	5315.9	5272.2	5238.6	5212.4
12.5°	5170.2	5186.2	5225.5	5302.8	5400.4	5439.7	5412.1	5339.2	5273.6	5227.0
15°	5107.5	5125.0	5184.7	5301.3	5445.6	5537.4	5534.5	5438.3	5333.4	5260.5
17.5°	5009.9	5027.4	5113.3	5276.5	5480.5	5632.1	5672.9	5573.8	5426.6	5329.0
20°	4833.5	4849.6	4969.1	5197.8	5492.2	5732.6	5839.0	5751.6	5568.0	5435.4
22.5°	4604.8	4629.5	4769.4	5062.3	5464.5	5837.6	6028.5	5968.7	5732.6	5549.0
25°	4360.0	4386.2	4549.4	4896.2	5393.1	5913.3	6252.9	6215.0	5919.2	5690.4
27.5°	4148.7	4176.3	4354.1	4731.5	5282.4	5942.5	6474.4	6493.3	6145.0	5846.3
30°	3982.5	4008.8	4198.2	4598.9	5139.6	5913.3	6668.2	6799.3	6375.3	5981.8
32.5°	3800.4	3833.9	4033.5	4437.2	4970.5	5843.4	6837.2	7130.1	6641.9	6127.5
35°	3570.2	3600.8	3810.6	4215.7	4749.0	5731.2	6978.6	7497.3	7023.7	6349.0
37.5°	3290.4	3319.5	3527.9	3938.8	4529.0	5573.8	7086.4	7911.2	7478.4	6668.2
40°	3009.1	3036.8	3232.1	3629.9	4265.2	5372.7	7124.3	8316.3	8000.1	7106.8
42.5°	2751.2	2776.0	2955.2	3325.3	3969.4	5116.2	7074.7	8668.9	8467.8	7412.8
45°	2513.7	2535.5	2694.4	3039.7	3662.0	4804.4	6926.1	9047.8	9024.5	7631.4
47.5°	2242.6	2264.5	2429.2	2762.9	3354.5	4438.6	6674.0	9420.8	9798.2	8126.8
50°	1911.9	1930.8	2099.8	2443.7	3035.4	4049.6	6324.3	9713.7	10774.6	8877.3
52.5°	1519.9	1540.3	1704.9	2048.8	2656.5	3631.4	5863.8	9904.6	11902.4	9973.1
55°	1130.8	1145.4	1288.2	1597.1	2187.3	3154.8	5286.7	9958.5	13181.9	11471.1
57.5°	820.4	829.1	921.0	1151.2	1658.3	2558.9	4585.8	9818.6	14704.6	13391.7
60°	664.5	667.4	695.1	797.1	1152.6	1885.6	3739.2	9337.8	16357.1	15867.5
62.5°	603.3	603.3	610.6	638.3	779.6	1244.5	2714.8	8341.0	18129.1	18996.1
65°	561.0	561.0	563.9	577.1	614.9	792.7	1713.7	6717.7	19622.7	22661.0
67.5°	523.1	524.6	523.1	527.5	549.4	585.8	993.8	4639.7	20427.1	26458.5
70°	483.8	486.7	479.4	479.4	496.9	498.4	622.2	2544.3	19759.7	29641.0
72.5°	437.2	441.5	429.9	427.0	440.1	434.2	467.8	1221.1	16964.8	30591.1
75°	396.4	402.2	376.0	368.7	368.7	364.3	380.3	626.6	11010.6	24954.6
77.5°	359.9	371.6	329.3	306.0	300.2	287.1	310.4	383.2	4816.1	11715.9
80°	297.3	313.3	271.0	243.4	233.2	218.6	244.8	268.1	1432.4	2720.6
82.5°	221.5	228.8	192.4	173.4	164.7	154.5	183.6	186.5	466.3	963.2
85°	141.3	144.3	118.0	102.0	97.6	93.3	116.6	102.0	177.8	708.2
87.5°	49.5	56.8	45.2	40.8	43.7	36.4	53.9	30.6	49.5	499.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5123.5  
5126.4  
5160.0  
5194.9  
5208.0  
5219.7  
5248.8  
5313.0  
5410.6  
5515.5  
5643.8  
5796.8  
5910.4  
6037.2  
6248.5  
6534.1  
6964.0  
7229.2  
7383.7  
7841.2  
8518.8  
9531.6  
10918.8  
12696.6  
14991.7  
17823.1  
21177.5  
24857.0  
29219.9  
31698.6  
26691.6  
11472.6  
2605.5  
1088.5  
1028.8  
619.3  
0.0

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