

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: P941893

Luminaire Tested: **GALN-SB5C-927-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941893  
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-SB5C-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

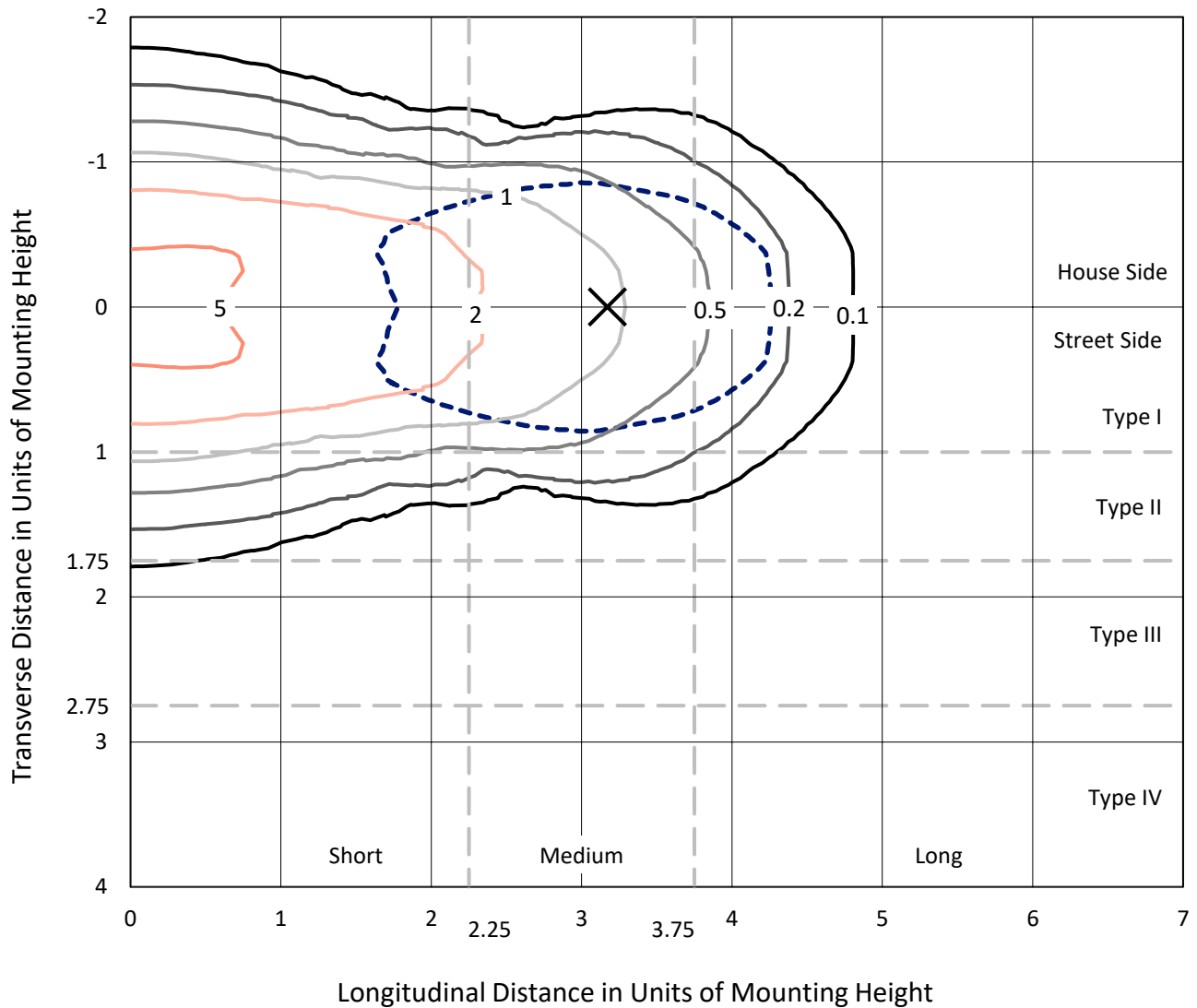
Lumens per Lamp: N/A  
Luminaire Lumens: 22780 lumens  
Efficiency: N/A  
Efficacy: 91.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

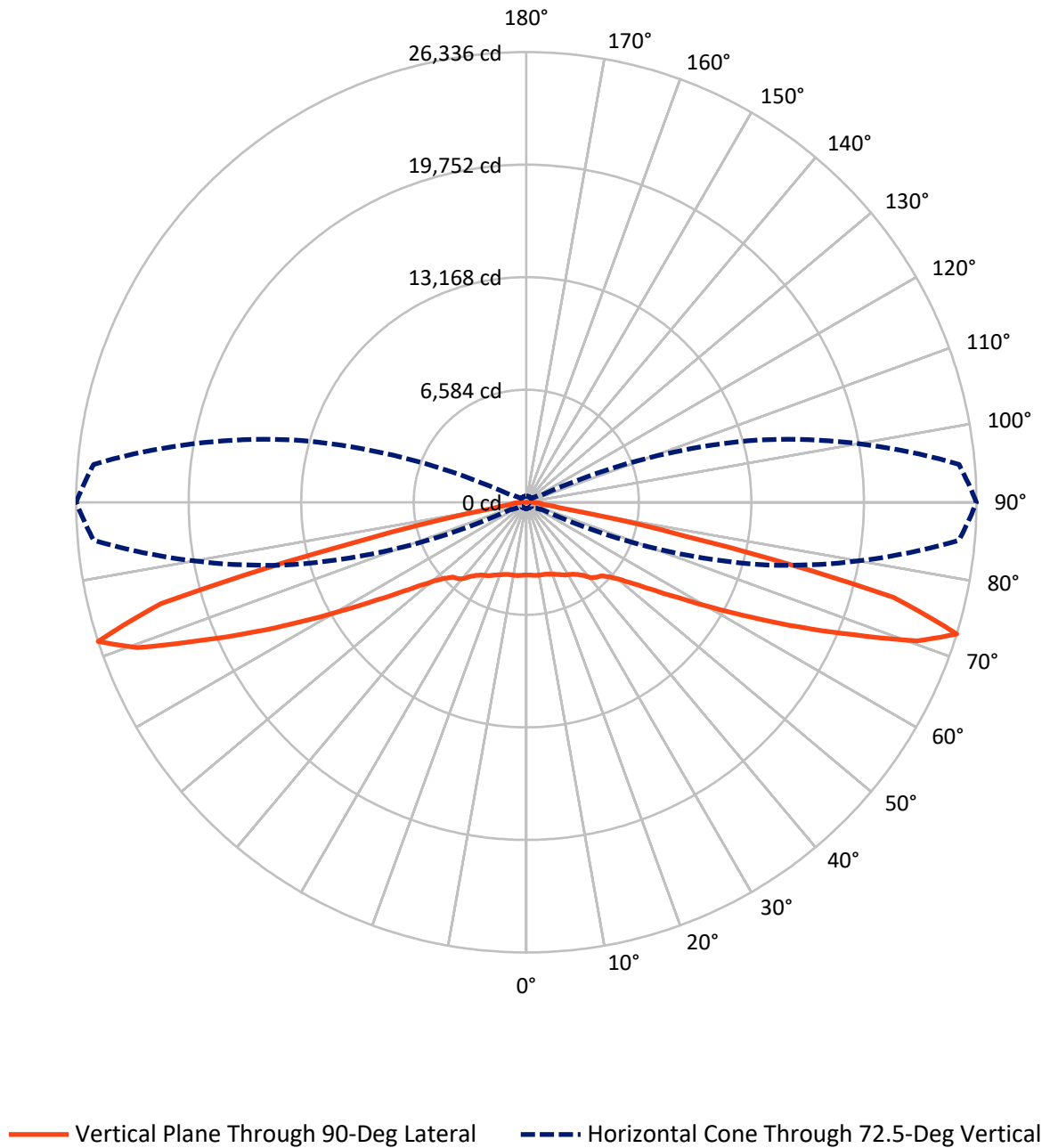
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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	11390.0	0.0	11390.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11390.0	0.0	11390.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22780.0	0.0	22780.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	412.7	1.8
10°-20°	1262.0	5.5
20°-30°	2104.2	9.2
30°-40°	2894.0	12.7
40°-50°	3534.3	15.5
50°-60°	4087.9	17.9
60°-70°	4874.1	21.4
70°-80°	3401.8	14.9
80°-90°	208.9	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°	22780.0	100.0
0°-180°	22780.0	100.0

**Coefficient of Utilization**



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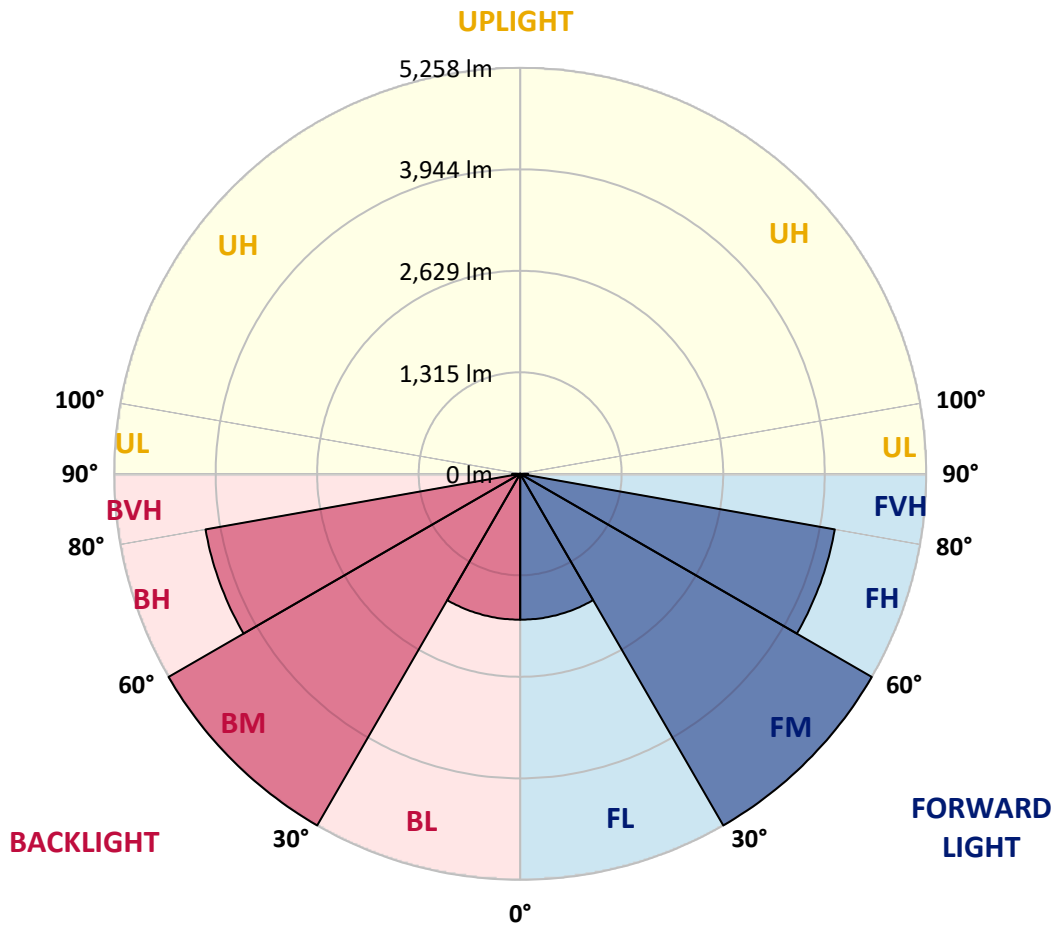
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1889.5	8.3			
FM (30°-60°)	5258.1	23.1			
FH (60°-80°)	4137.9	18.2			G2/5000
FVH (80°-90°)	104.5	0.5			G2/225
BL (0°-30°)	1889.5	8.3	B3/2500		
BM (30°-60°)	5258.1	23.1	B4/8500		
BH (60°-80°)	4137.9	18.2	B4/5000		G4/5000
BVH (80°-90°)	104.5	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°	4256.7	4256.7	4256.7	4256.7	4256.7	4256.7	4256.7	4256.7	4256.7	4256.7
2.5°	4260.3	4265.2	4265.2	4261.5	4270.0	4262.7	4262.7	4259.1	4262.7	4259.1
5°	4282.1	4288.2	4290.6	4289.4	4300.3	4294.2	4294.2	4289.4	4290.6	4286.9
7.5°	4323.3	4331.7	4336.6	4342.6	4358.4	4351.1	4346.3	4331.7	4325.7	4316.0
10°	4336.6	4346.3	4362.0	4393.5	4429.8	4431.0	4416.5	4380.2	4352.3	4330.5
12.5°	4295.4	4308.7	4341.4	4405.6	4486.7	4519.4	4496.4	4435.9	4381.4	4342.6
15°	4243.4	4257.9	4307.5	4404.4	4524.2	4600.5	4598.1	4518.2	4431.0	4370.5
17.5°	4162.3	4176.8	4248.2	4383.8	4553.3	4679.2	4713.1	4630.8	4508.5	4427.4
20°	4015.8	4029.1	4128.4	4318.4	4563.0	4762.7	4851.1	4778.5	4625.9	4515.8
22.5°	3825.7	3846.3	3962.5	4205.8	4540.0	4849.9	5008.5	4958.9	4762.7	4610.2
25°	3622.3	3644.1	3779.7	4067.8	4480.7	4912.9	5194.9	5163.5	4917.7	4727.6
27.5°	3446.8	3469.8	3617.5	3931.0	4388.6	4937.1	5379.0	5394.7	5105.4	4857.2
30°	3308.7	3330.5	3487.9	3820.8	4270.0	4912.9	5540.0	5648.9	5296.6	4969.8
32.5°	3157.4	3185.2	3351.1	3686.5	4129.6	4854.7	5680.4	5923.8	5518.2	5090.8
35°	2966.1	2991.5	3165.9	3502.4	3945.5	4761.5	5797.9	6228.8	5835.4	5274.8
37.5°	2733.7	2757.9	2931.0	3272.4	3762.7	4630.8	5887.4	6572.7	6213.1	5540.0
40°	2500.0	2523.0	2685.2	3015.8	3543.6	4463.7	5918.9	6909.2	6646.5	5904.4
42.5°	2285.7	2306.3	2455.2	2762.7	3297.8	4250.6	5877.8	7202.2	7035.2	6158.6
45°	2088.4	2106.5	2238.5	2525.4	3042.4	3991.5	5754.3	7517.0	7497.6	6340.2
47.5°	1863.2	1881.4	2018.2	2295.4	2786.9	3687.7	5544.8	7826.9	8140.5	6751.9
50°	1588.4	1604.1	1744.6	2030.3	2521.8	3364.4	5254.3	8070.3	8951.6	7375.3
52.5°	1262.7	1279.7	1416.5	1702.2	2207.0	3017.0	4871.7	8228.9	9888.7	8285.8
55°	939.5	951.6	1070.2	1326.9	1817.2	2621.1	4392.3	8273.7	10951.6	9530.3
57.5°	681.6	688.9	765.1	956.4	1377.7	2125.9	3809.9	8157.4	12216.8	11126.0
60°	552.1	554.5	577.5	662.2	957.6	1566.6	3106.6	7757.9	13589.7	13182.9
62.5°	501.2	501.2	507.3	530.3	647.7	1033.9	2255.5	6929.8	15061.8	15782.2
65°	466.1	466.1	468.5	479.4	510.9	658.6	1423.7	5581.1	16302.8	18827.0
67.5°	434.6	435.8	434.6	438.3	456.4	486.7	825.7	3854.7	16971.0	21982.0
70°	401.9	404.4	398.3	398.3	412.8	414.0	517.0	2113.8	16416.6	24626.1
72.5°	363.2	366.8	357.1	354.7	365.6	360.8	388.6	1014.5	14094.5	25415.4
75°	329.3	334.1	312.4	306.3	306.3	302.7	316.0	520.6	9147.8	20732.6
77.5°	299.0	308.7	273.6	254.2	249.4	238.5	257.9	318.4	4001.2	9733.7
80°	247.0	260.3	225.2	202.2	193.7	181.6	203.4	222.8	1190.1	2260.3
82.5°	184.0	190.1	159.8	144.1	136.8	128.3	152.5	155.0	387.4	800.2
85°	117.4	119.9	98.1	84.7	81.1	77.5	96.9	84.7	147.7	588.4
87.5°	41.2	47.2	37.5	33.9	36.3	30.3	44.8	25.4	41.2	415.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4256.7  
4259.1  
4286.9  
4316.0  
4326.9  
4336.6  
4360.8  
4414.1  
4495.2  
4582.4  
4688.9  
4816.0  
4910.4  
5015.8  
5191.3  
5428.6  
5785.7  
6006.1  
6134.4  
6514.6  
7077.5  
7918.9  
9071.5  
10548.5  
12455.3  
14807.6  
17594.5  
20651.5  
24276.2  
26335.5  
22175.7  
9531.5  
2164.7  
904.4  
854.7  
514.5  
0.0

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