

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: P944480

Luminaire Tested: **GALN-SB9B-950-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944480  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB9B-950-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

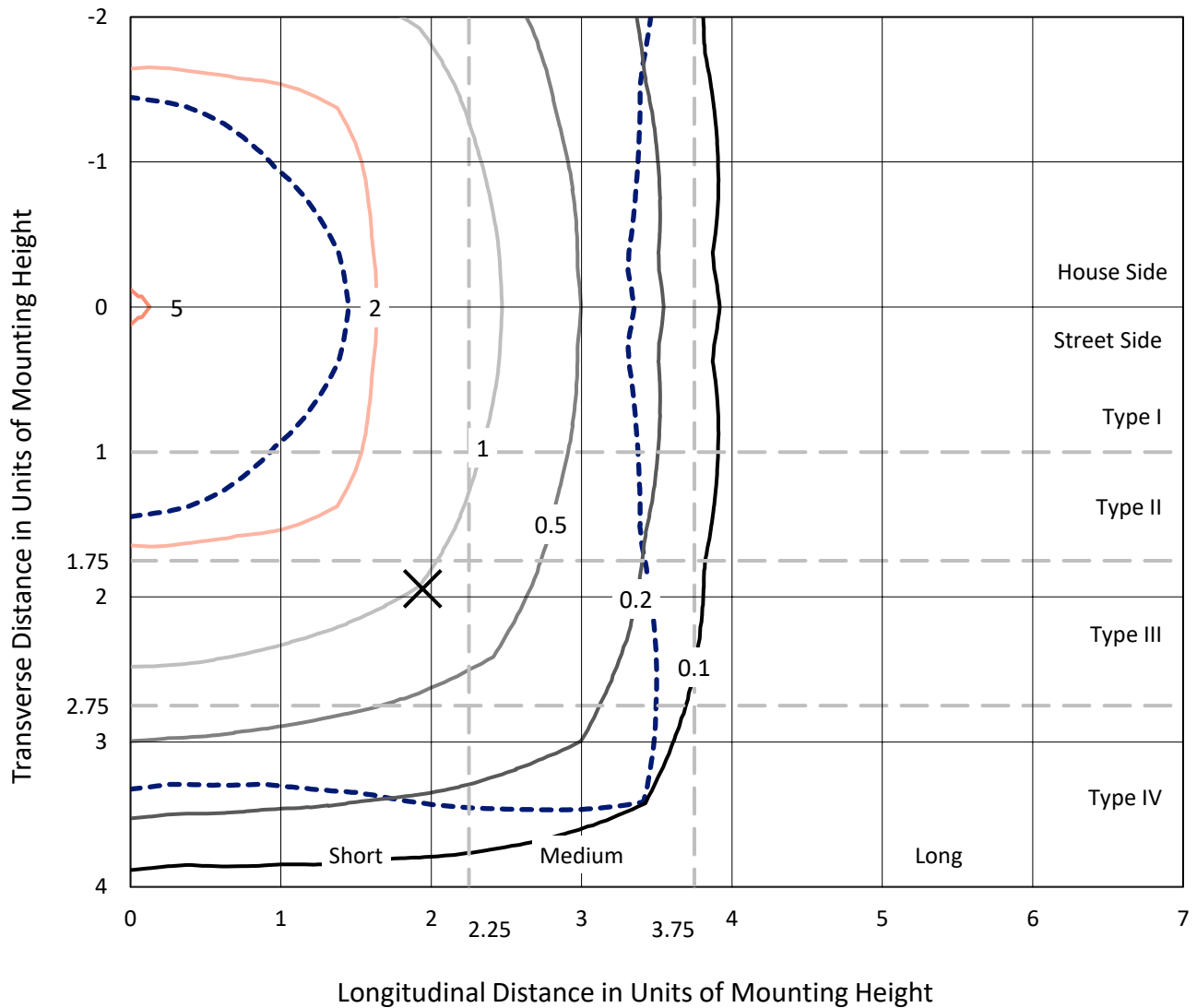
Lumens per Lamp: N/A  
Luminaire Lumens: 36090 lumens  
Efficiency: N/A  
Efficacy: 109.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

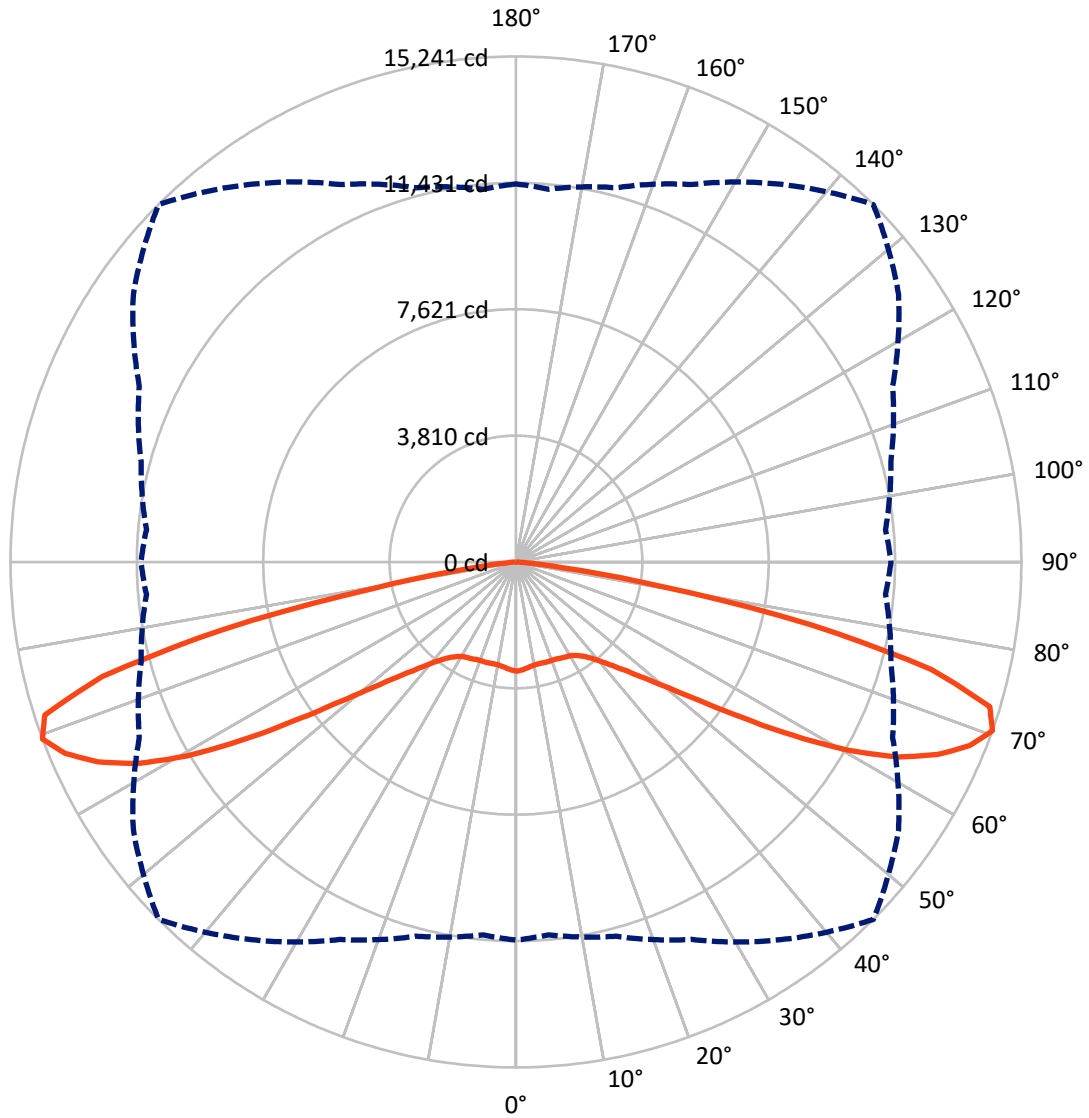
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	18045.0	0.0	18045.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18045.0	0.0	18045.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	36090.0	0.0	36090.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	306.2	0.8
10°-20°	899.2	2.5
20°-30°	1496.4	4.1
30°-40°	2263.0	6.3
40°-50°	3760.6	10.4
50°-60°	7096.2	19.7
60°-70°	11982.2	33.2
70°-80°	7873.6	21.8
80°-90°	412.5	1.1
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°	36090.0	100.0
0°-180°	36090.0	100.0

**Coefficient of Utilization**



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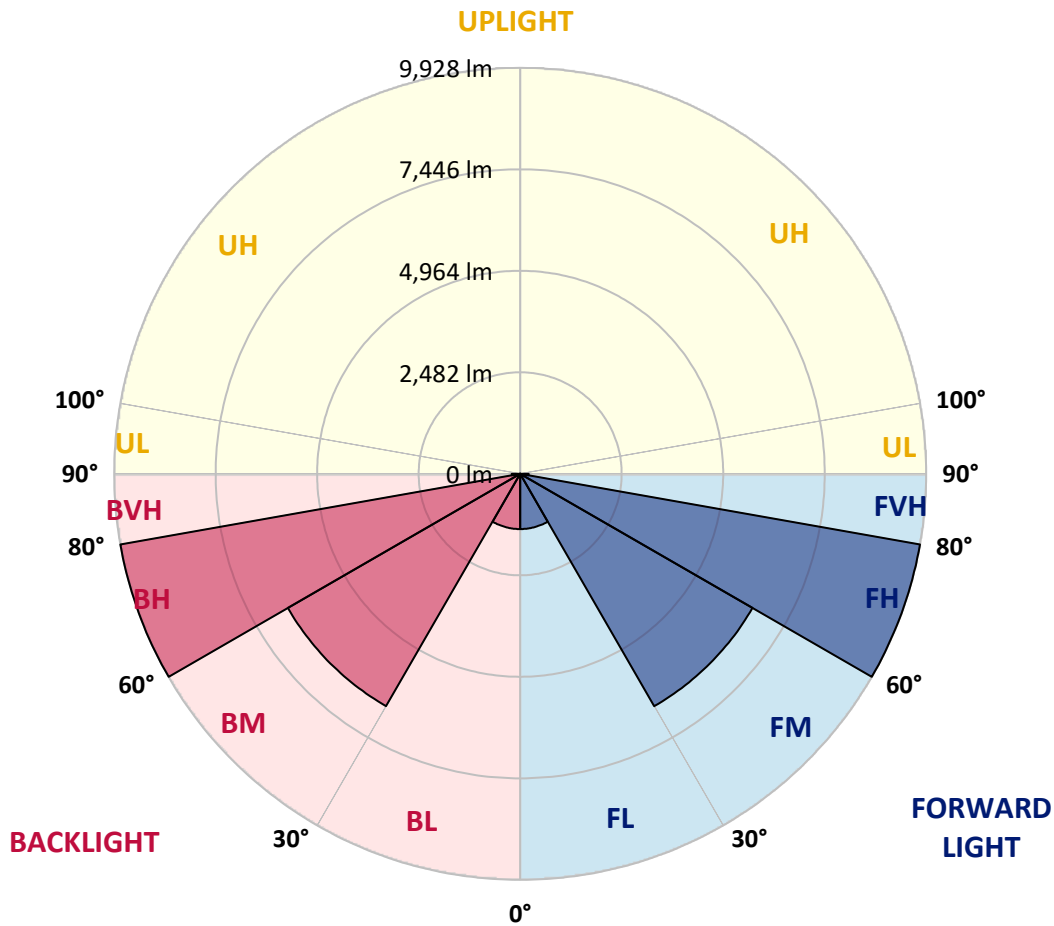
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1350.9	3.7			
FM (30°-60°)	6559.9	18.2			
FH (60°-80°)	9927.9	27.5			G4/12000
FVH (80°-90°)	206.2	0.6			G2/225
BL (0°-30°)	1350.9	3.7	B3/2500		
BM (30°-60°)	6559.9	18.2	B4/8500		
BH (60°-80°)	9927.9	27.5	B5		G4/12000
BVH (80°-90°)	206.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3292.1	3292.1	3292.1	3292.1	3292.1	3292.1	3292.1	3292.1	3292.1	3292.1
2.5°	3271.5	3280.9	3277.1	3269.6	3269.6	3264.0	3269.6	3273.4	3279.0	3282.8
5°	3228.4	3235.9	3234.0	3228.4	3230.2	3224.6	3228.4	3234.0	3237.7	3239.6
7.5°	3190.8	3198.3	3194.6	3185.2	3185.2	3179.6	3181.5	3187.1	3192.7	3194.6
10°	3181.5	3189.0	3177.7	3162.7	3157.1	3149.6	3151.4	3157.1	3168.3	3174.0
12.5°	3185.2	3190.8	3179.6	3157.1	3151.4	3143.9	3143.9	3149.6	3164.6	3172.1
15°	3196.5	3202.1	3185.2	3160.8	3155.2	3149.6	3147.7	3155.2	3172.1	3185.2
17.5°	3217.1	3222.7	3196.5	3162.7	3155.2	3157.1	3155.2	3160.8	3187.1	3211.5
20°	3235.9	3239.6	3204.0	3162.7	3155.2	3157.1	3155.2	3166.5	3200.2	3234.0
22.5°	3241.5	3245.2	3211.5	3175.8	3170.2	3172.1	3170.2	3181.5	3213.3	3247.1
25°	3243.4	3249.0	3222.7	3194.6	3204.0	3207.7	3204.0	3205.8	3230.2	3260.2
27.5°	3271.5	3279.0	3254.6	3230.2	3235.9	3234.0	3239.6	3245.2	3264.0	3294.0
30°	3329.7	3335.3	3314.6	3290.3	3286.5	3273.4	3290.3	3309.0	3329.7	3355.9
32.5°	3425.3	3436.6	3410.3	3384.1	3367.2	3359.7	3372.8	3404.7	3432.8	3461.0
35°	3584.8	3592.3	3567.9	3519.1	3489.1	3489.1	3500.4	3541.6	3586.6	3622.3
37.5°	3809.9	3819.3	3776.1	3718.0	3672.9	3672.9	3687.9	3731.1	3798.6	3849.3
40°	4083.7	4096.9	4042.5	3982.5	3939.3	3931.8	3950.6	3999.3	4063.1	4126.9
42.5°	4413.9	4428.9	4357.6	4305.1	4271.3	4271.3	4280.7	4325.7	4383.9	4462.7
45°	4836.0	4862.2	4764.7	4712.2	4680.3	4687.8	4693.4	4732.8	4785.3	4875.4
47.5°	5338.7	5365.0	5261.8	5207.4	5201.8	5237.4	5214.9	5243.0	5271.2	5374.3
50°	5909.0	5954.0	5882.7	5878.9	5890.2	5955.9	5903.3	5918.3	5886.4	5952.1
52.5°	6606.8	6672.4	6659.3	6681.8	6807.5	6942.6	6822.5	6770.0	6649.9	6670.6
55°	7452.8	7552.2	7571.0	7706.0	7991.2	8266.9	8011.8	7799.8	7544.7	7497.8
57.5°	8415.1	8493.9	8583.9	8859.7	9392.4	9882.0	9392.4	8923.5	8522.0	8426.4
60°	9450.6	9548.1	9634.4	10041.5	10833.1	11521.5	10818.1	10073.4	9542.5	9413.1
62.5°	10563.0	10688.7	10748.7	11200.8	12123.7	12945.3	12136.8	11234.5	10645.5	10506.7
65°	11630.3	11733.5	11801.0	12283.1	13164.8	13988.3	13224.8	12335.7	11729.8	11547.8
67.5°	12127.4	12183.7	12348.8	12894.7	13825.1	14764.9	13982.7	12952.8	12275.6	11956.7
70°	11399.6	11285.2	11682.9	12557.0	13903.9	15241.4	14084.0	12530.7	11701.6	11183.9
72.5°	8809.0	8612.1	9302.4	10797.5	13003.5	14937.5	13093.5	10881.9	9732.0	8681.5
75°	4792.8	4569.6	5522.5	7413.4	10369.8	12947.2	10608.0	7625.4	6149.1	4757.2
77.5°	1352.5	1268.1	2037.2	3586.6	6237.2	9090.4	6477.3	3665.4	2416.1	1433.2
80°	414.6	401.4	544.0	1080.5	2648.7	4353.9	2545.5	1093.6	692.2	437.1
82.5°	245.7	225.1	270.1	393.9	675.3	1367.5	656.6	410.8	330.2	221.4
85°	140.7	131.3	159.4	191.3	227.0	290.8	189.5	195.1	176.3	118.2
87.5°	58.2	52.5	61.9	60.0	52.5	67.5	50.6	60.0	71.3	46.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3292.1
3280.9
3239.6
3194.6
3174.0
3174.0
3187.1
3211.5
3235.9
3247.1
3258.4
3286.5
3350.3
3449.7
3609.2
3830.5
4106.3
4457.0
4871.6
5344.3
5912.7
6601.2
7424.7
8358.8
9300.5
10394.1
11457.8
11960.5
11307.7
8942.2
5066.7
1592.6
461.5
240.1
123.8
43.1
0.0

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