

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: P944350

Luminaire Tested: **GALN-SB9B-735-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944350  
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-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

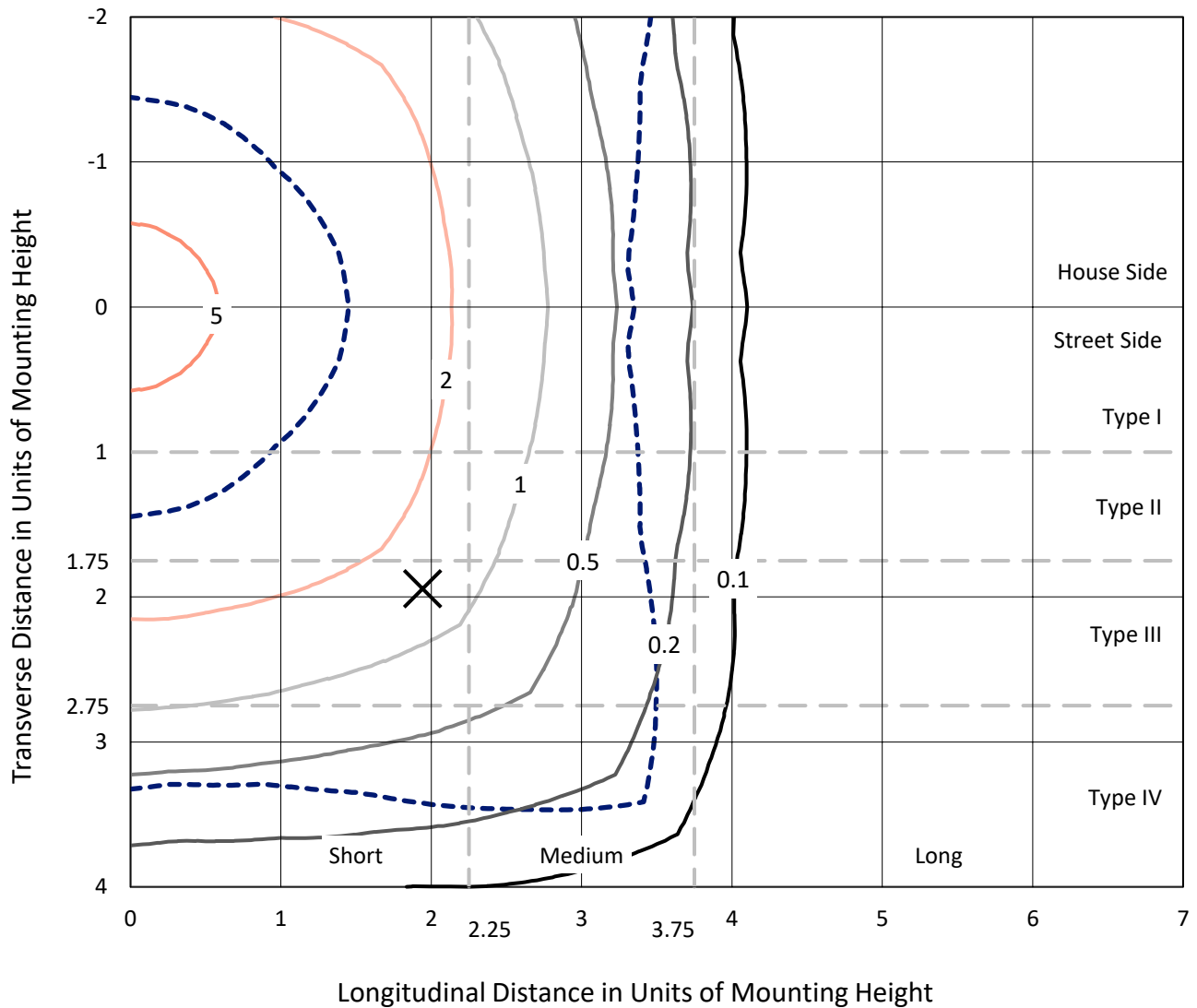
Lumens per Lamp: N/A  
Luminaire Lumens: 51880 lumens  
Efficiency: N/A  
Efficacy: 157.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

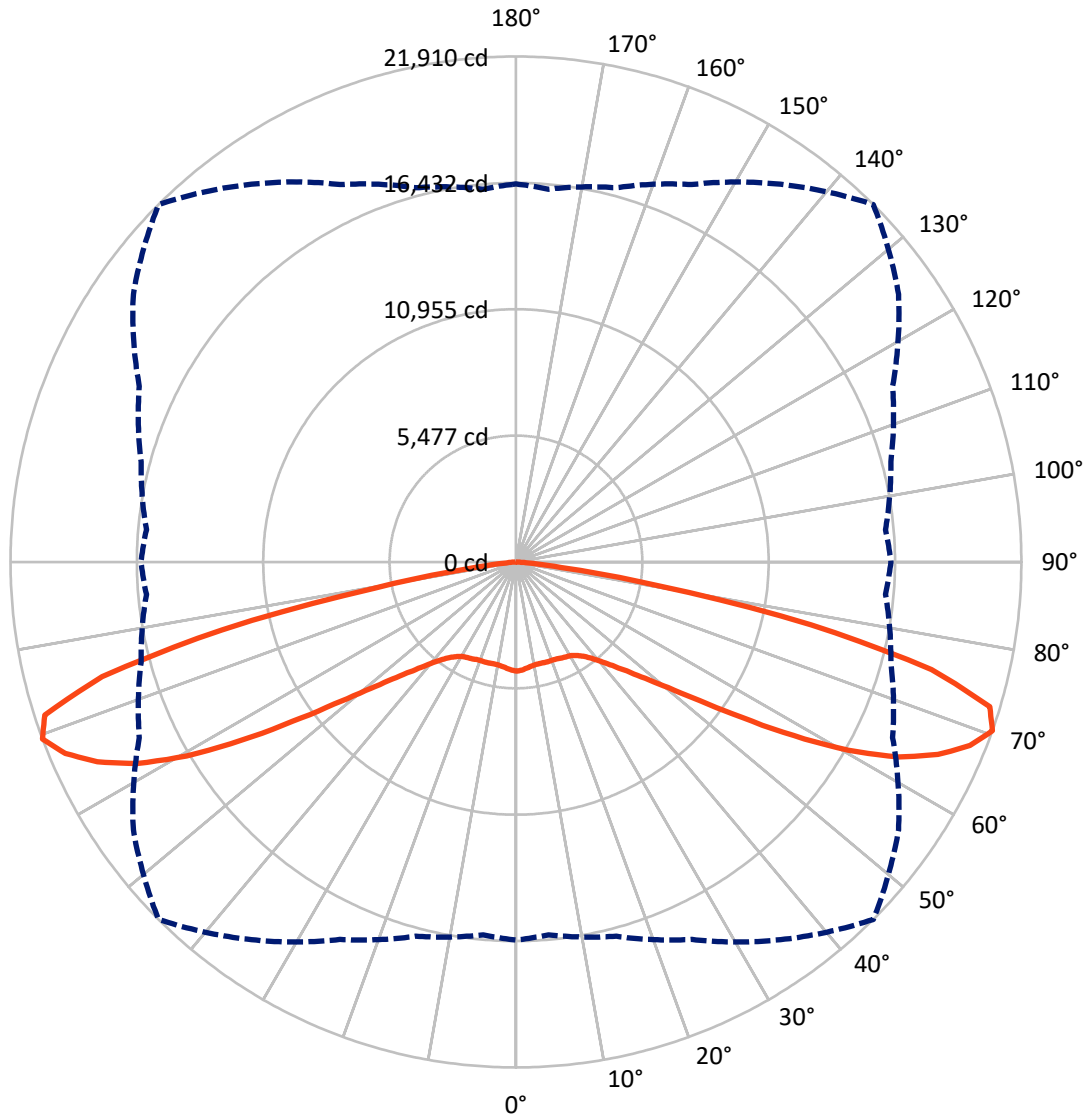
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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	25940.0	0.0	25940.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	25940.0	0.0	25940.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	51880.0	0.0	51880.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	440.2	0.8
10°-20°	1292.6	2.5
20°-30°	2151.1	4.1
30°-40°	3253.2	6.3
40°-50°	5406.0	10.4
50°-60°	10200.9	19.7
60°-70°	17224.6	33.2
70°-80°	11318.4	21.8
80°-90°	593.0	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°	51880.0	100.0
0°-180°	51880.0	100.0

**Coefficient of Utilization**



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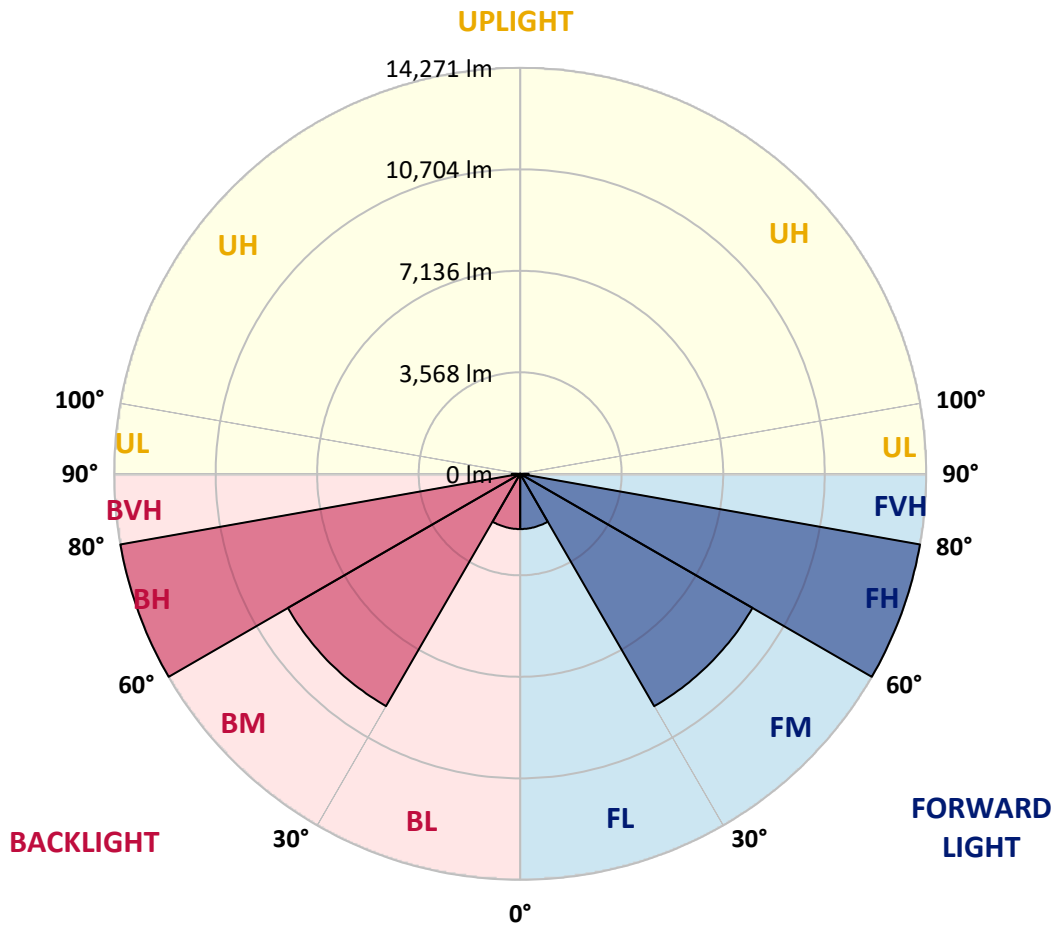
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1942.0	3.7			
FM (30°-60°)	9430.0	18.2			
FH (60°-80°)	14271.5	27.5			G5
FVH (80°-90°)	296.5	0.6			G3/500
BL (0°-30°)	1942.0	3.7	B3/2500		
BM (30°-60°)	9430.0	18.2	B5		
BH (60°-80°)	14271.5	27.5	B5		G5
BVH (80°-90°)	296.5	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4732.5	4732.5	4732.5	4732.5	4732.5	4732.5	4732.5	4732.5	4732.5	4732.5
2.5°	4702.8	4716.3	4710.9	4700.1	4700.1	4692.1	4700.1	4705.5	4713.6	4719.0
5°	4640.8	4651.6	4648.9	4640.8	4643.5	4635.4	4640.8	4648.9	4654.3	4657.0
7.5°	4586.9	4597.7	4592.3	4578.8	4578.8	4570.7	4573.4	4581.5	4589.6	4592.3
10°	4573.4	4584.2	4568.0	4546.4	4538.3	4527.6	4530.3	4538.3	4554.5	4562.6
12.5°	4578.8	4586.9	4570.7	4538.3	4530.3	4519.5	4519.5	4527.6	4549.1	4559.9
15°	4595.0	4603.1	4578.8	4543.7	4535.7	4527.6	4524.9	4535.7	4559.9	4578.8
17.5°	4624.6	4632.7	4595.0	4546.4	4535.7	4538.3	4535.7	4543.7	4581.5	4616.5
20°	4651.6	4657.0	4605.8	4546.4	4535.7	4538.3	4535.7	4551.8	4600.4	4648.9
22.5°	4659.7	4665.1	4616.5	4565.3	4557.2	4559.9	4557.2	4573.4	4619.2	4667.8
25°	4662.4	4670.5	4632.7	4592.3	4605.8	4611.2	4605.8	4608.5	4643.5	4686.7
27.5°	4702.8	4713.6	4678.6	4643.5	4651.6	4648.9	4657.0	4665.1	4692.1	4735.2
30°	4786.4	4794.5	4764.9	4729.8	4724.4	4705.5	4729.8	4756.8	4786.4	4824.2
32.5°	4924.0	4940.1	4902.4	4864.6	4840.4	4829.6	4848.5	4894.3	4934.7	4975.2
35°	5153.2	5164.0	5128.9	5058.8	5015.6	5015.6	5031.8	5091.1	5155.9	5207.1
37.5°	5476.8	5490.2	5428.2	5344.6	5279.9	5279.9	5301.5	5363.5	5460.6	5533.4
40°	5870.5	5889.3	5811.1	5724.8	5662.8	5652.0	5679.0	5749.1	5840.8	5932.5
42.5°	6345.1	6366.6	6264.2	6188.7	6140.1	6140.1	6153.6	6218.3	6301.9	6415.2
45°	6951.8	6989.5	6849.3	6773.8	6728.0	6738.8	6746.8	6803.5	6879.0	7008.4
47.5°	7674.5	7712.2	7563.9	7485.7	7477.6	7528.9	7496.5	7536.9	7577.4	7725.7
50°	8494.2	8558.9	8456.5	8451.1	8467.3	8561.6	8486.1	8507.7	8461.9	8556.3
52.5°	9497.4	9591.7	9572.9	9605.2	9785.9	9980.0	9807.5	9732.0	9559.4	9589.0
55°	10713.5	10856.4	10883.4	11077.6	11487.4	11883.8	11517.1	11212.4	10845.7	10778.2
57.5°	12096.9	12210.1	12339.6	12736.0	13501.8	14205.6	13501.8	12827.6	12250.6	12113.0
60°	13585.4	13725.6	13849.6	14434.8	15572.8	16562.4	15551.2	14480.6	13717.5	13531.4
62.5°	15184.5	15365.1	15451.4	16101.3	17428.0	18609.1	17446.9	16149.8	15303.1	15103.6
65°	16718.8	16867.1	16964.2	17657.2	18924.6	20108.4	19010.9	17732.7	16861.7	16600.2
67.5°	17433.4	17514.3	17751.6	18536.3	19873.8	21224.8	20100.3	18619.9	17646.4	17188.0
70°	16387.1	16222.6	16794.3	18050.9	19987.1	21909.7	20245.9	18013.2	16821.3	16077.0
72.5°	12663.1	12380.0	13372.3	15521.5	18692.7	21472.9	18822.1	15642.9	13989.9	12479.8
75°	6889.8	6568.9	7938.7	10656.9	14906.7	18611.8	15249.2	10961.6	8839.4	6838.5
77.5°	1944.2	1822.9	2928.5	5155.9	8966.1	13067.6	9311.3	5269.1	3473.2	2060.2
80°	595.9	577.1	782.0	1553.2	3807.6	6258.8	3659.3	1572.1	995.0	628.3
82.5°	353.3	323.6	388.3	566.3	970.8	1965.8	943.8	590.6	474.6	318.2
85°	202.2	188.8	229.2	275.1	326.3	418.0	272.4	280.4	253.5	169.9
87.5°	83.6	75.5	89.0	86.3	75.5	97.1	72.8	86.3	102.5	67.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4732.5
4716.3
4657.0
4592.3
4562.6
4562.6
4581.5
4616.5
4651.6
4667.8
4684.0
4724.4
4816.1
4959.0
5188.2
5506.4
5902.8
6407.1
7003.0
7682.6
8499.6
9489.3
10673.1
12016.0
13369.7
14941.8
16470.7
17193.4
16255.0
12854.6
7283.5
2289.4
663.4
345.2
178.0
62.0
0.0

OF REPORT)