

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: P954890

Luminaire Tested: **GALN-SB8A-735-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954890  
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-SB8A-735-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

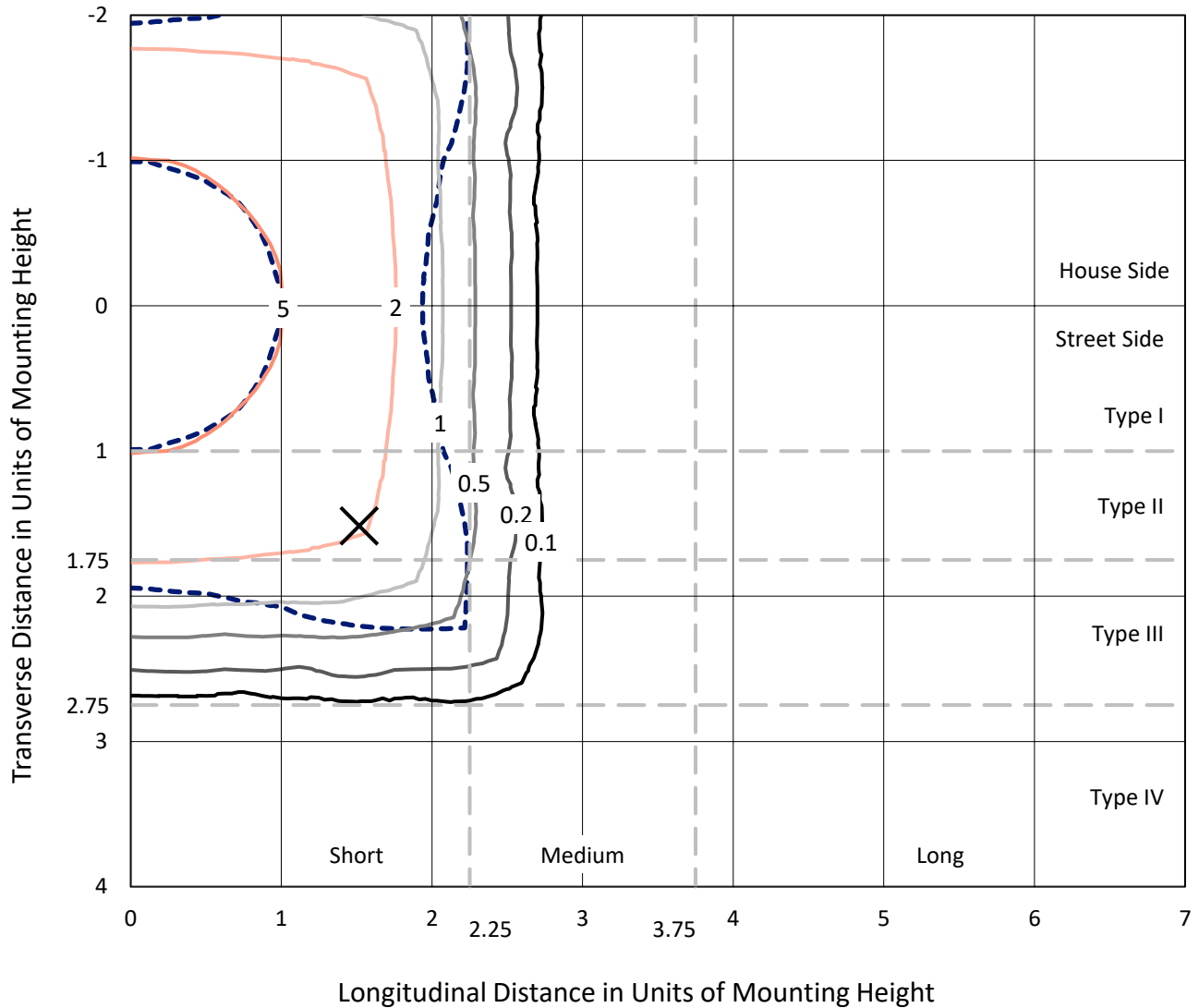
Lumens per Lamp: N/A  
Luminaire Lumens: 38010 lumens  
Efficiency: N/A  
Efficacy: 167.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

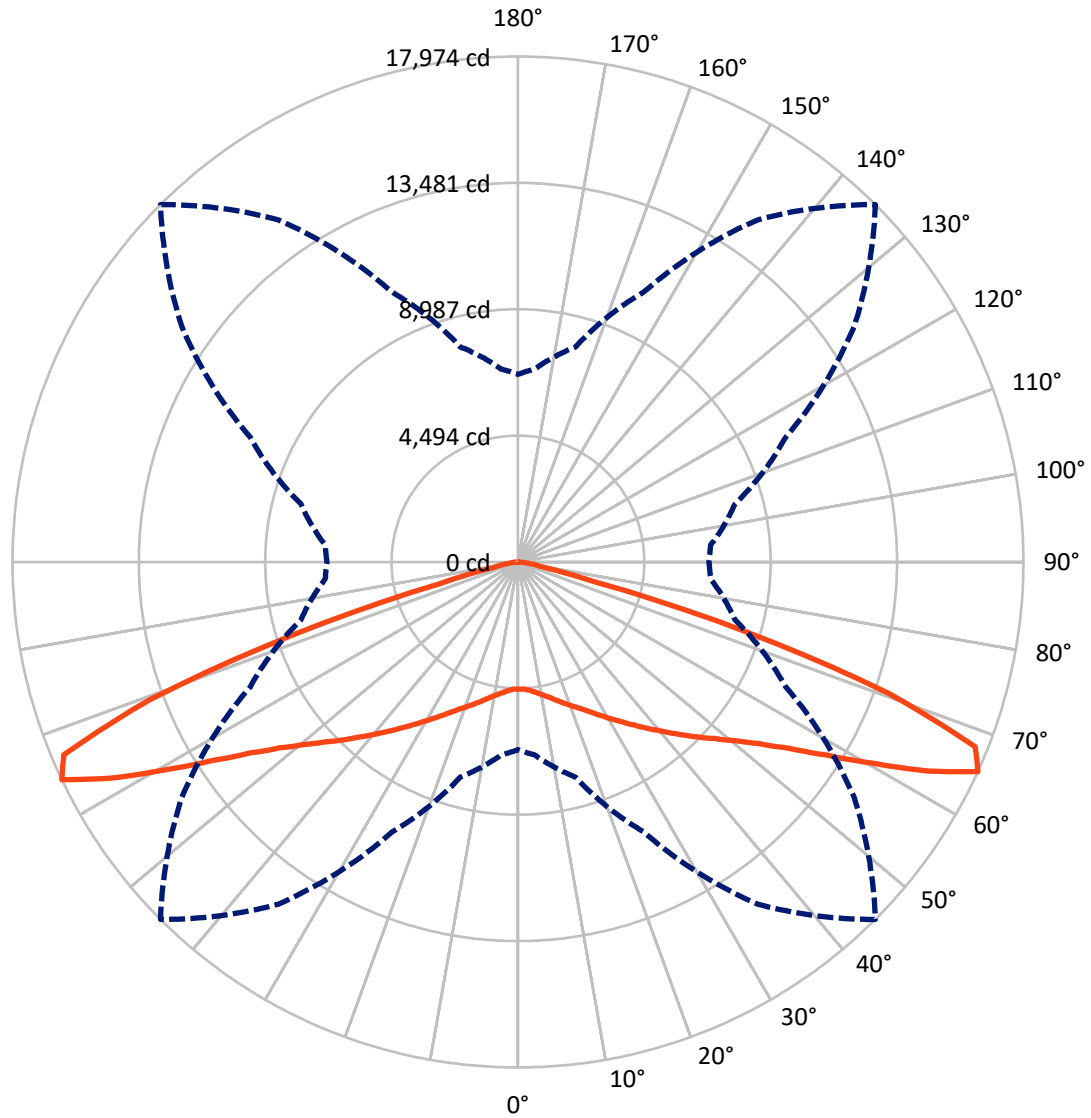
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	19005.0	0.0	19005.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19005.0	0.0	19005.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38010.0	0.0	38010.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	446.4	1.2
10°-20°	1456.7	3.8
20°-30°	2750.5	7.2
30°-40°	4503.8	11.8
40°-50°	6983.3	18.4
50°-60°	10315.7	27.1
60°-70°	9819.6	25.8
70°-80°	1584.5	4.2
80°-90°	149.4	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°	38010.0	100.0
0°-180°	38010.0	100.0



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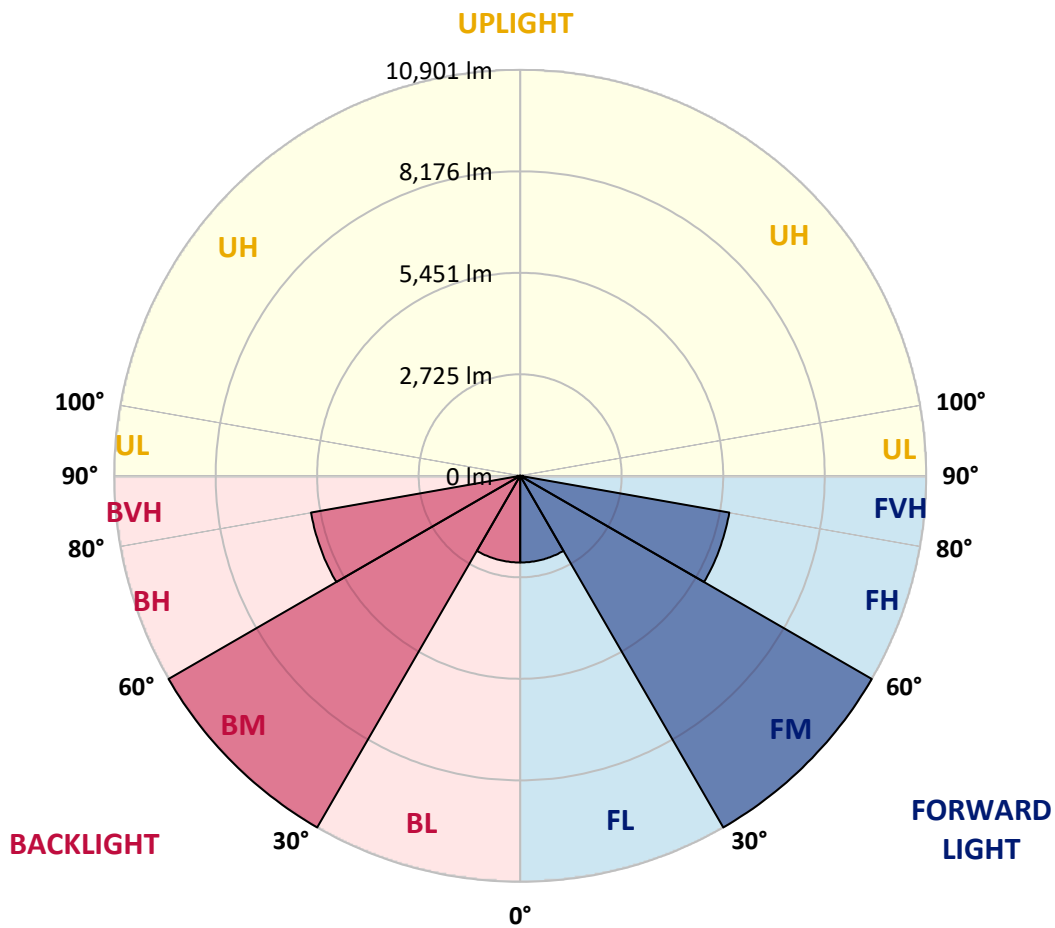
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2326.8	6.1			
FM (30°-60°)	10901.4	28.7			
FH (60°-80°)	5702.1	15.0			G3/7500
FVH (80°-90°)	74.7	0.2			G1/100
BL (0°-30°)	2326.8	6.1	B3/2500		
BM (30°-60°)	10901.4	28.7	B5		
BH (60°-80°)	5702.1	15.0	B5		G3/7500
BVH (80°-90°)	74.7	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°
0°	4523.6	4523.6	4523.6	4523.6	4523.6	4523.6	4523.6	4523.6	4523.6	4523.6
2.5°	4554.1	4538.8	4550.3	4540.7	4533.1	4525.5	4529.3	4542.6	4548.4	4550.3
5°	4615.1	4601.8	4607.5	4607.5	4594.1	4590.3	4592.2	4601.8	4613.2	4613.2
7.5°	4714.3	4700.9	4714.3	4706.6	4695.2	4691.4	4689.5	4697.1	4714.3	4714.3
10°	4834.4	4819.2	4826.8	4823.0	4809.6	4803.9	4802.0	4813.4	4828.7	4826.8
12.5°	4966.0	4948.8	4958.4	4946.9	4943.1	4937.4	4937.4	4935.5	4945.0	4937.4
15°	5112.9	5101.4	5105.2	5097.6	5103.3	5099.5	5084.2	5076.6	5080.4	5069.0
17.5°	5286.4	5259.7	5273.0	5269.2	5269.2	5276.9	5252.1	5242.5	5250.2	5238.7
20°	5486.6	5459.9	5465.7	5458.0	5448.5	5456.1	5425.6	5433.2	5439.0	5431.3
22.5°	5706.0	5671.6	5669.7	5673.5	5652.6	5654.5	5633.5	5652.6	5664.0	5643.0
25°	5931.0	5894.8	5919.5	5910.0	5883.3	5889.0	5873.8	5892.8	5902.4	5875.7
27.5°	6169.4	6144.6	6167.5	6173.2	6140.8	6163.7	6140.8	6157.9	6167.5	6127.4
30°	6447.8	6423.0	6444.0	6459.2	6421.1	6457.3	6438.3	6449.7	6451.6	6403.9
32.5°	6751.0	6712.9	6766.3	6773.9	6732.0	6775.8	6751.0	6766.3	6775.8	6711.0
35°	7121.0	7073.3	7134.3	7124.8	7088.6	7124.8	7101.9	7124.8	7147.7	7069.5
37.5°	7519.6	7470.0	7534.8	7517.7	7483.3	7508.1	7494.8	7510.0	7546.3	7462.4
40°	7958.2	7897.2	7984.9	7954.4	7922.0	7918.2	7925.8	7935.3	7983.0	7889.5
42.5°	8427.3	8362.5	8494.1	8446.4	8400.6	8370.1	8394.9	8414.0	8459.8	8354.9
45°	8963.2	8888.9	9060.5	9003.3	8930.8	8867.9	8907.9	8936.5	9003.3	8877.4
47.5°	9554.4	9470.5	9653.6	9636.4	9518.2	9380.9	9472.4	9554.4	9604.0	9451.4
50°	10132.3	10067.4	10307.7	10328.7	10183.8	9991.1	10118.9	10242.9	10256.2	10056.0
52.5°	10673.9	10609.0	10958.0	11089.6	10959.9	10731.1	10866.5	10992.4	10891.3	10631.9
55°	11106.8	11053.4	11497.7	11837.2	11881.0	11692.2	11772.3	11768.5	11436.7	11038.1
57.5°	11211.7	11204.0	11764.7	12483.7	12941.4	12964.3	12806.0	12401.7	11686.5	11150.6
60°	10734.9	10782.6	11553.0	12821.2	14041.8	14549.0	13864.4	12710.6	11402.4	10658.6
62.5°	9308.4	9434.3	10363.0	12409.3	14930.5	16372.2	14713.0	12241.5	10235.2	9264.5
65°	6670.9	6890.2	7916.2	10590.0	14850.4	17974.1	14591.0	10504.1	7992.5	6873.1
67.5°	3026.5	3249.6	4121.2	7250.7	12909.0	17539.3	12878.4	7327.0	4327.1	3261.1
70°	1096.6	1134.7	1415.0	2902.6	8250.0	13975.0	8602.8	2923.5	1504.7	1209.1
72.5°	663.7	669.4	728.5	1039.4	2866.3	8484.6	2988.4	1073.7	743.8	659.8
75°	421.5	417.6	518.7	635.1	1016.5	2862.5	1066.1	635.1	516.8	471.0
77.5°	303.2	312.8	371.9	474.9	640.8	970.7	629.3	453.9	371.9	305.1
80°	226.9	232.7	270.8	370.0	450.1	604.5	400.5	335.6	280.3	190.7
82.5°	164.0	164.0	177.4	268.9	274.6	326.1	217.4	236.5	185.0	135.4
85°	97.3	95.4	110.6	160.2	143.0	120.1	99.2	144.9	116.3	83.9
87.5°	34.3	36.2	34.3	45.8	38.1	32.4	30.5	40.0	32.4	28.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4523.6
4550.3
4613.2
4708.6
4823.0
4941.2
5070.9
5248.3
5448.5
5664.0
5906.2
6157.9
6432.5
6754.8
7117.2
7513.9
7920.1
8410.2
8942.3
9502.9
10080.8
10639.5
11051.5
11116.3
10570.9
9207.3
6791.1
3213.4
1193.8
671.3
474.9
310.9
196.4
135.4
82.0
26.7
0.0

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