

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: P953818

Luminaire Tested: **GALN-SB7B-735-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953818  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7B-735-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

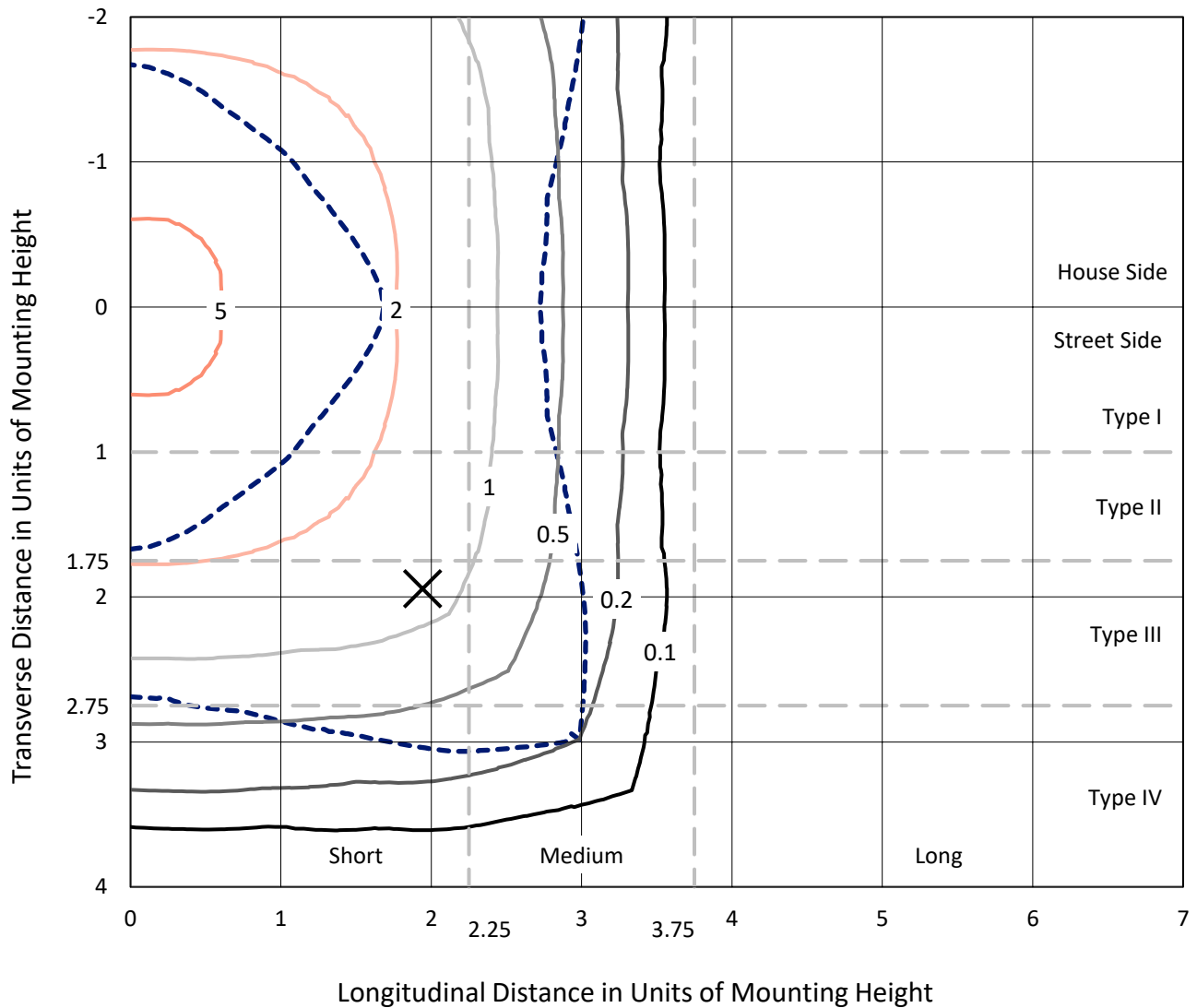
Lumens per Lamp: N/A  
Luminaire Lumens: 41939 lumens  
Efficiency: N/A  
Efficacy: 163.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

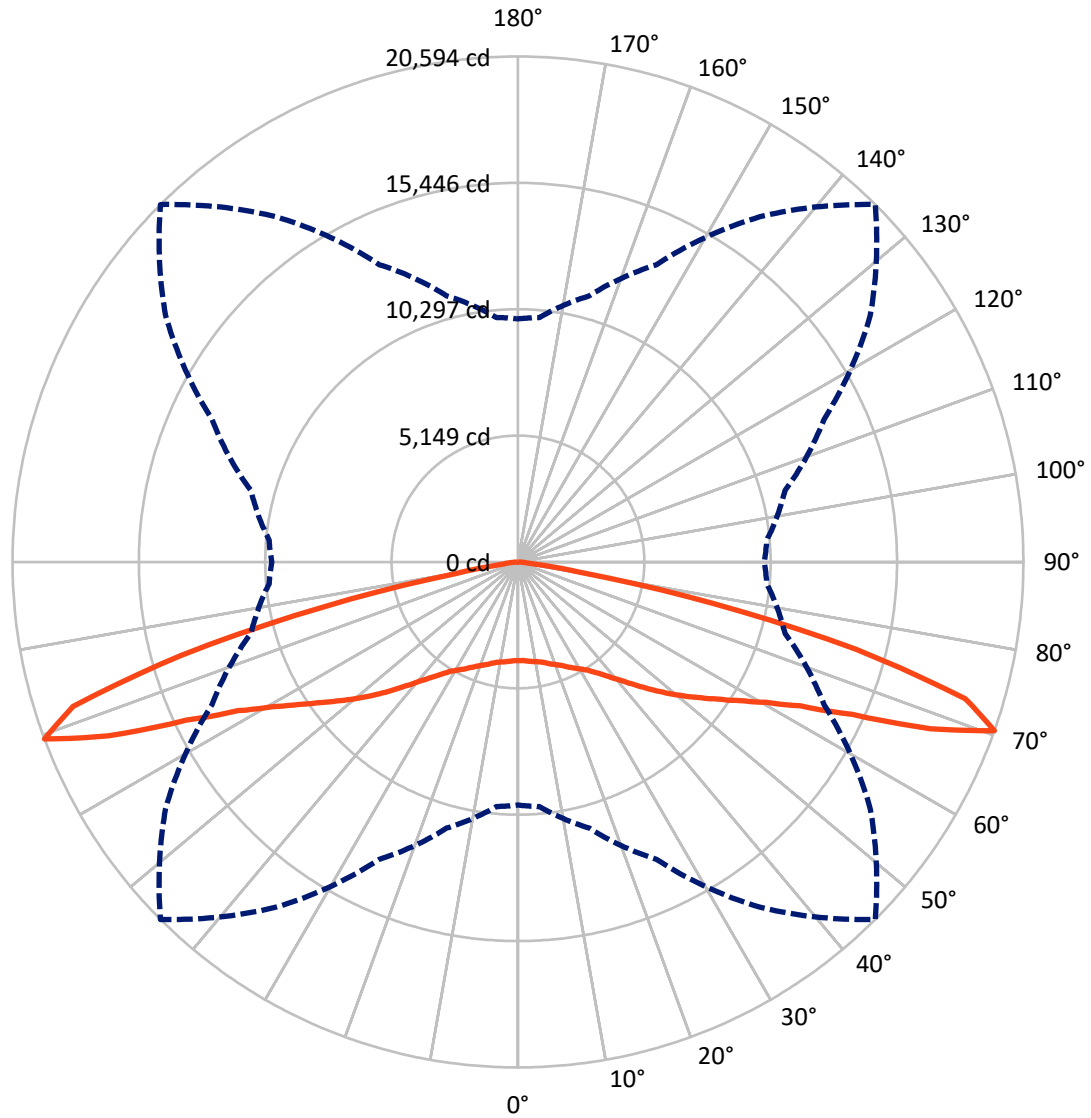
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	20969.5	0.0	20969.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20969.5	0.0	20969.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	41939.0	0.0	41939.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	390.3	0.9
10°-20°	1210.2	2.9
20°-30°	2162.8	5.2
30°-40°	3505.9	8.4
40°-50°	5710.5	13.6
50°-60°	8706.6	20.8
60°-70°	12952.7	30.9
70°-80°	7059.6	16.8
80°-90°	240.4	0.6
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°	41939.0	100.0
0°-180°	41939.0	100.0



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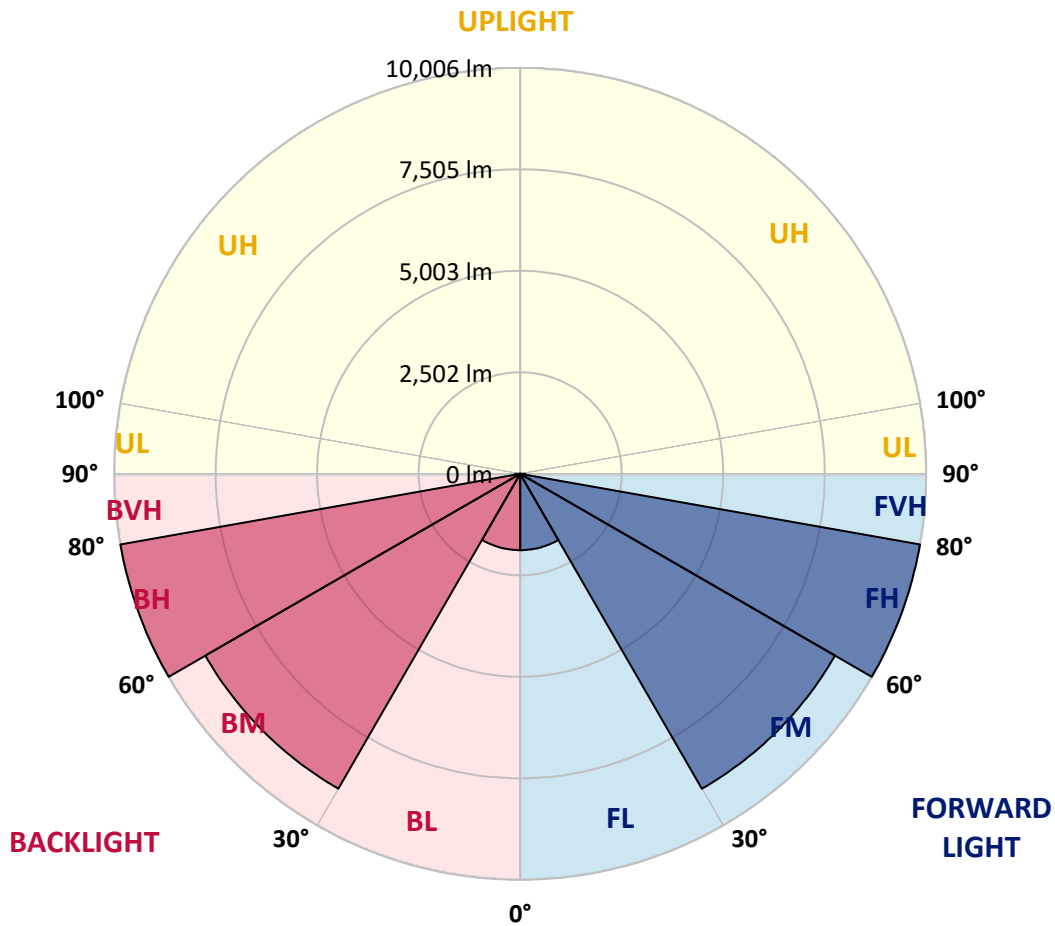
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1881.7	4.5			
FM (30°-60°)	8961.5	21.4			
FH (60°-80°)	10006.1	23.9			G4/12000
FVH (80°-90°)	120.2	0.3			G2/225
BL (0°-30°)	1881.7	4.5	B3/2500		
BM (30°-60°)	8961.5	21.4	B5		
BH (60°-80°)	10006.1	23.9	B5		G4/12000
BVH (80°-90°)	120.2	0.3			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°	4017.3	4017.3	4017.3	4017.3	4017.3	4017.3	4017.3	4017.3	4017.3	4017.3
2.5°	4036.3	4040.5	4032.1	4027.8	4023.6	4017.3	4019.4	4030.0	4038.4	4036.3
5°	4070.0	4074.2	4067.9	4065.7	4057.3	4055.2	4055.2	4065.7	4072.1	4067.9
7.5°	4107.9	4114.2	4103.6	4101.5	4097.3	4093.1	4091.0	4101.5	4107.9	4107.9
10°	4143.7	4150.0	4141.5	4135.2	4131.0	4131.0	4126.8	4135.2	4145.8	4143.7
12.5°	4181.6	4185.8	4177.3	4173.1	4173.1	4179.4	4173.1	4177.3	4185.8	4181.6
15°	4227.9	4230.0	4227.9	4234.2	4244.7	4265.8	4246.8	4242.6	4246.8	4236.3
17.5°	4291.0	4295.3	4303.7	4318.4	4333.1	4371.0	4337.4	4326.8	4326.8	4305.8
20°	4368.9	4375.3	4387.9	4413.2	4432.1	4467.9	4434.2	4419.5	4413.2	4385.8
22.5°	4451.1	4461.6	4480.5	4514.2	4547.9	4581.6	4547.9	4522.6	4503.7	4467.9
25°	4545.8	4558.4	4587.9	4642.7	4689.0	4737.4	4697.4	4646.9	4609.0	4558.4
27.5°	4680.6	4695.3	4731.1	4798.5	4857.4	4899.5	4861.6	4796.4	4743.7	4682.7
30°	4870.1	4884.8	4926.9	4998.5	5038.5	5065.9	5040.6	4990.1	4926.9	4857.4
32.5°	5114.3	5133.2	5179.6	5246.9	5255.4	5259.6	5251.2	5225.9	5179.6	5095.3
35°	5423.8	5444.9	5497.5	5552.2	5543.8	5552.2	5539.6	5531.2	5497.5	5400.6
37.5°	5802.8	5828.1	5882.8	5924.9	5903.9	5893.3	5895.4	5897.5	5878.6	5771.2
40°	6242.9	6276.5	6316.5	6360.8	6325.0	6293.4	6314.4	6331.3	6314.4	6205.0
42.5°	6695.5	6744.0	6786.1	6849.2	6819.8	6779.8	6809.2	6828.2	6792.4	6674.5
45°	7198.8	7245.1	7299.8	7394.6	7373.5	7331.4	7373.5	7377.7	7316.7	7177.7
47.5°	7718.8	7767.2	7849.4	7975.7	7967.3	7920.9	7975.7	7946.2	7868.3	7702.0
50°	8211.5	8278.9	8405.2	8582.1	8598.9	8542.1	8615.8	8558.9	8428.4	8219.9
52.5°	8674.7	8746.3	8946.3	9186.4	9247.4	9173.7	9272.7	9173.7	8977.9	8710.5
55°	9161.1	9241.1	9479.0	9792.7	9914.9	9860.1	9952.8	9803.3	9525.3	9201.1
57.5°	9733.8	9782.2	10066.5	10439.1	10645.5	10658.1	10700.2	10447.6	10110.7	9742.2
60°	10354.9	10422.3	10731.8	11178.2	11504.5	11609.8	11565.6	11190.8	10799.2	10376.0
62.5°	11150.8	11224.5	11595.1	12129.9	12645.7	12906.8	12734.2	12190.9	11706.7	11199.2
65°	11809.8	11891.9	12561.5	13515.3	14454.4	14978.6	14544.9	13544.8	12673.1	11957.2
67.5°	11331.9	11432.9	12483.6	14235.4	16570.4	18134.8	16650.4	14450.1	12742.6	11771.9
70°	9904.3	9999.1	11224.5	13365.8	17166.3	20594.0	17524.2	13759.5	11264.5	10178.1
72.5°	6575.5	6880.8	8121.0	10689.7	15328.1	19057.0	15479.7	10472.8	7533.5	6560.8
75°	2181.3	2425.6	3272.0	5541.7	10266.5	14252.2	9773.8	4903.7	2591.9	1865.5
77.5°	549.5	633.8	873.8	1585.5	4095.2	8114.7	3686.8	1294.9	705.3	492.7
80°	267.4	294.8	421.1	528.5	1025.4	2579.3	962.2	496.9	332.7	256.9
82.5°	147.4	149.5	237.9	299.0	381.1	667.4	395.8	290.6	191.6	155.8
85°	90.5	88.4	126.3	160.0	160.0	237.9	189.5	160.0	109.5	96.9
87.5°	35.8	35.8	46.3	50.5	44.2	61.1	48.4	52.6	42.1	40.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4017.3
4038.4
4070.0
4107.9
4143.7
4179.4
4236.3
4305.8
4385.8
4465.8
4556.3
4680.6
4857.4
5097.5
5400.6
5771.2
6205.0
6682.9
7192.4
7691.4
8215.7
8685.2
9156.9
9691.7
10308.6
11110.8
11839.3
11626.7
10032.8
6348.1
1764.4
440.1
235.8
155.8
101.1
42.1
0.0

OF REPORT)