

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: P955373

Luminaire Tested: **GALN-SB8B-835-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955373  
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-SB8B-835-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

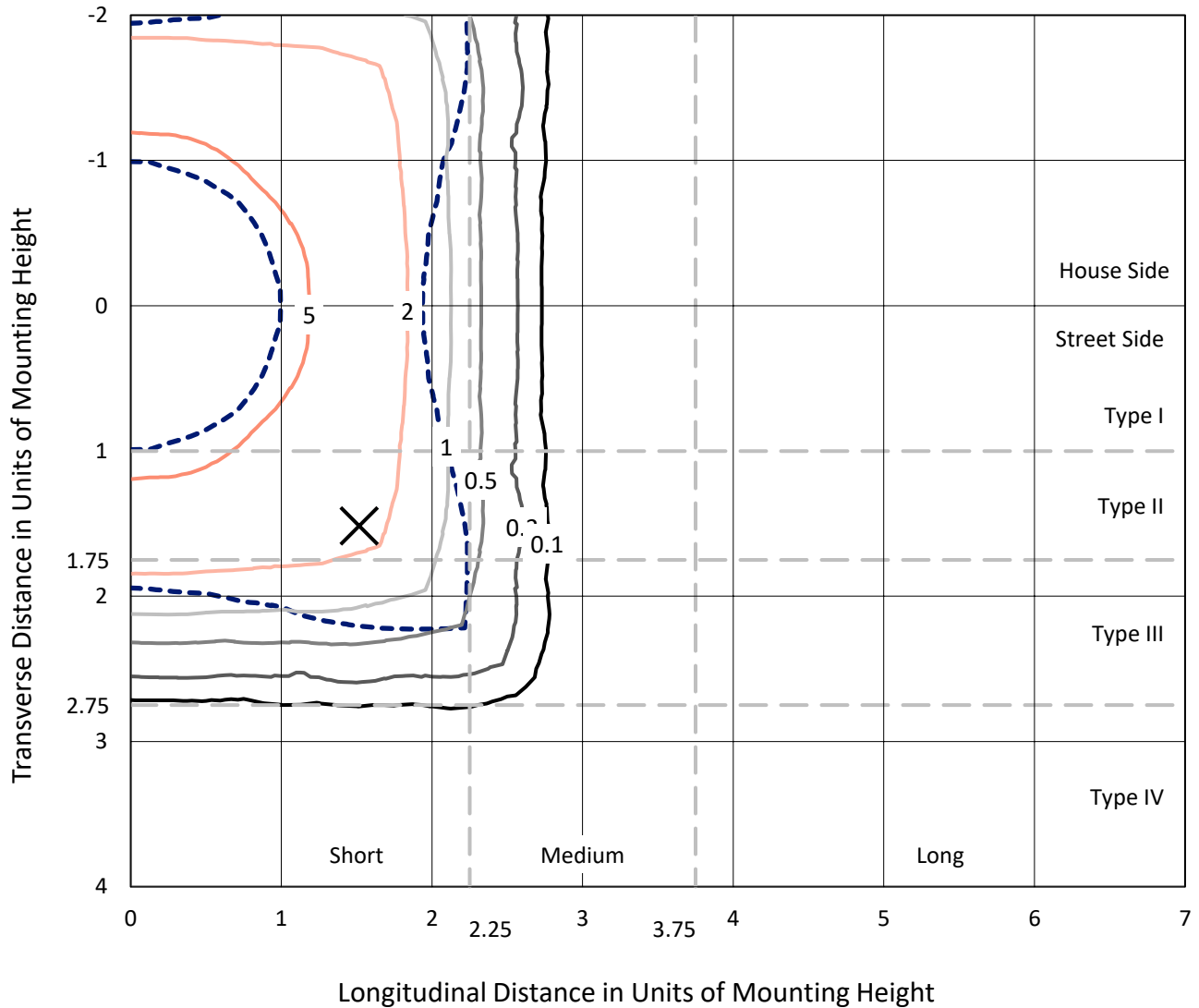
Lumens per Lamp: N/A  
Luminaire Lumens: 44257 lumens  
Efficiency: N/A  
Efficacy: 151.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

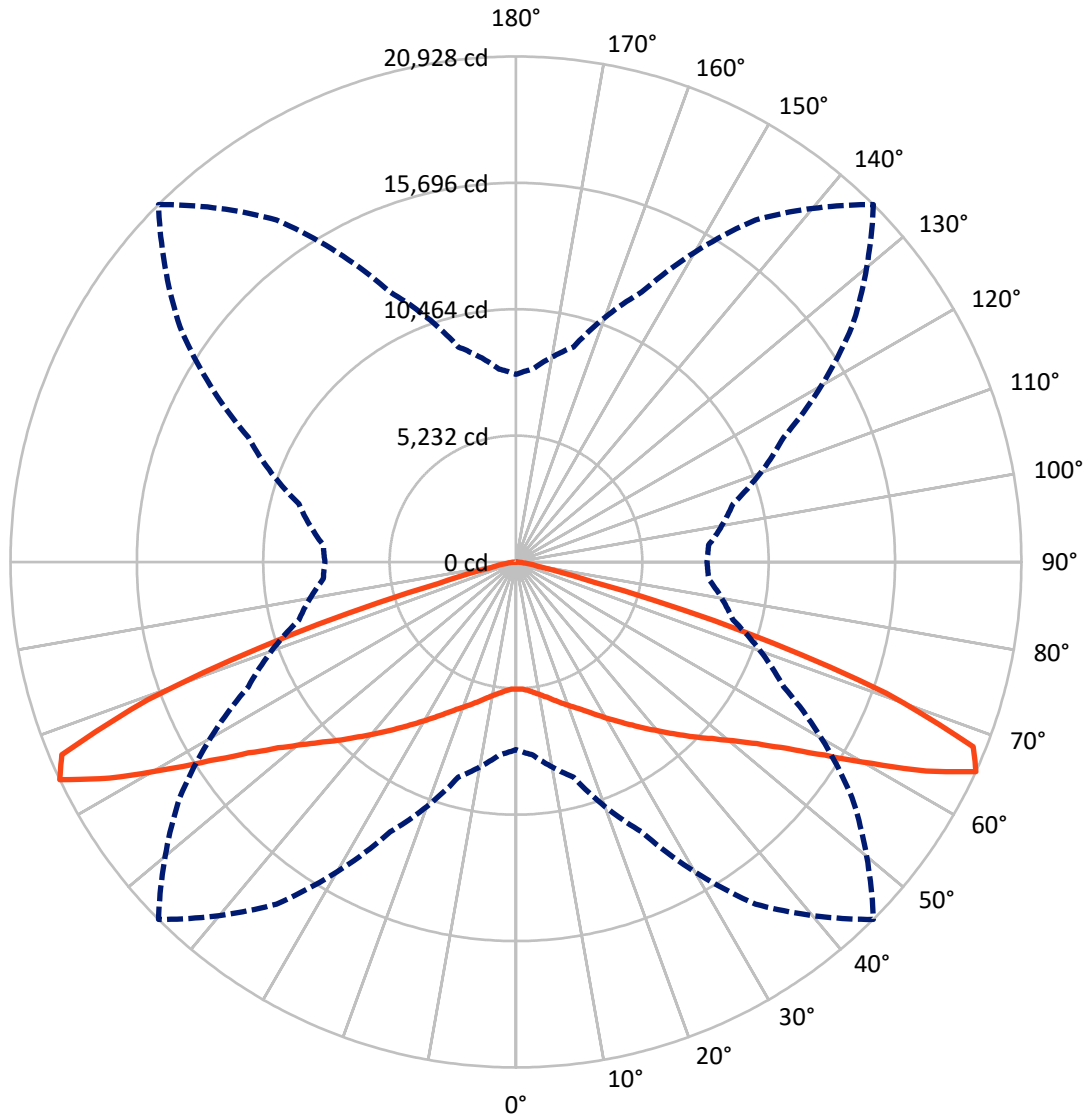
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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	22128.5	0.0	22128.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22128.5	0.0	22128.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	44257.0	0.0	44257.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	519.8	1.2
10°-20°	1696.2	3.8
20°-30°	3202.5	7.2
30°-40°	5244.1	11.8
40°-50°	8131.0	18.4
50°-60°	12011.1	27.1
60°-70°	11433.5	25.8
70°-80°	1844.9	4.2
80°-90°	173.9	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°	44257.0	100.0
0°-180°	44257.0	100.0



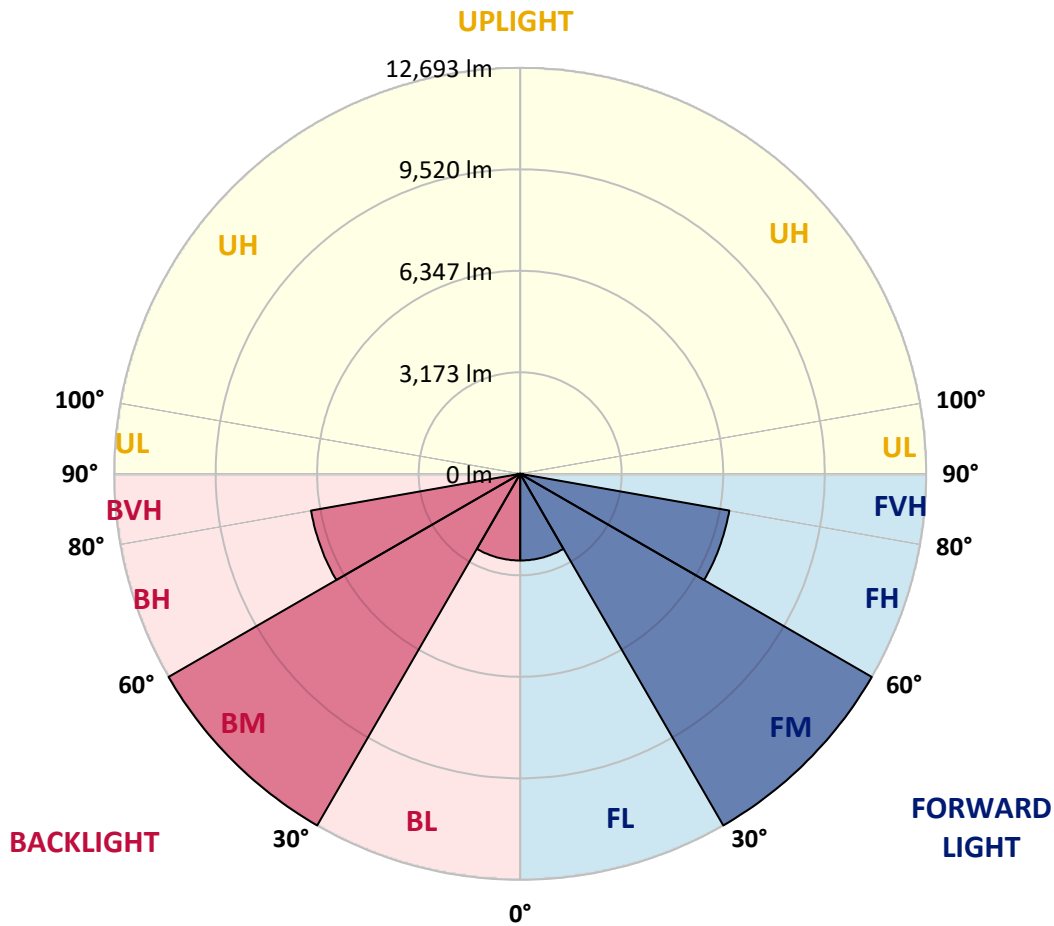
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2709.3	6.1			
FM	(30°-60°)	12693.1	28.7			
FH	(60°-80°)	6639.2	15.0			G3/7500
FVH	(80°-90°)	87.0	0.2			G1/100
BL	(0°-30°)	2709.3	6.1	B4/5000		
BM	(30°-60°)	12693.1	28.7	B5		
BH	(60°-80°)	6639.2	15.0	B5		G3/7500
BVH	(80°-90°)	87.0	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°	5267.0	5267.0	5267.0	5267.0	5267.0	5267.0	5267.0	5267.0	5267.0	5267.0
2.5°	5302.6	5284.8	5298.1	5287.0	5278.1	5269.2	5273.7	5289.2	5295.9	5298.1
5°	5373.6	5358.1	5364.7	5364.7	5349.2	5344.7	5347.0	5358.1	5371.4	5371.4
7.5°	5489.1	5473.5	5489.1	5480.2	5466.9	5462.4	5460.2	5469.1	5489.1	5489.1
10°	5629.0	5611.2	5620.1	5615.6	5600.1	5593.4	5591.2	5604.5	5622.3	5620.1
12.5°	5782.2	5762.2	5773.3	5760.0	5755.5	5748.9	5748.9	5746.7	5757.8	5748.9
15°	5953.2	5939.8	5944.3	5935.4	5942.1	5937.6	5919.9	5911.0	5915.4	5902.1
17.5°	6155.2	6124.1	6139.7	6135.2	6135.2	6144.1	6115.3	6104.2	6113.0	6099.7
20°	6388.4	6357.3	6364.0	6355.1	6344.0	6352.9	6317.3	6326.2	6332.9	6324.0
22.5°	6643.7	6603.8	6601.5	6606.0	6581.6	6583.8	6559.4	6581.6	6594.9	6570.5
25°	6905.8	6863.6	6892.4	6881.3	6850.2	6856.9	6839.1	6861.3	6872.4	6841.4
27.5°	7183.3	7154.5	7181.1	7187.8	7150.0	7176.7	7150.0	7170.0	7181.1	7134.5
30°	7507.5	7478.6	7503.1	7520.8	7476.4	7518.6	7496.4	7509.7	7512.0	7456.4
32.5°	7860.6	7816.2	7878.3	7887.2	7838.4	7889.4	7860.6	7878.3	7889.4	7813.9
35°	8291.3	8235.8	8306.9	8295.8	8253.6	8295.8	8269.1	8295.8	8322.4	8231.4
37.5°	8755.4	8697.7	8773.2	8753.2	8713.2	8742.1	8726.6	8744.3	8786.5	8688.8
40°	9266.1	9195.1	9297.2	9261.7	9224.0	9219.5	9228.4	9239.5	9295.0	9186.2
42.5°	9812.4	9736.9	9890.1	9834.6	9781.3	9745.8	9774.6	9796.8	9850.1	9728.0
45°	10436.3	10349.7	10549.6	10483.0	10398.6	10325.3	10372.0	10405.3	10483.0	10336.4
47.5°	11124.7	11027.0	11240.2	11220.2	11082.5	10922.6	11029.2	11124.7	11182.4	11004.8
50°	11797.5	11722.0	12001.8	12026.2	11857.5	11633.2	11782.0	11926.3	11941.8	11708.7
52.5°	12428.1	12352.6	12759.0	12912.2	12761.2	12494.8	12652.4	12799.0	12681.3	12379.3
55°	12932.2	12870.0	13387.4	13782.6	13833.7	13613.9	13707.1	13702.7	13316.3	12852.3
57.5°	13054.3	13045.4	13698.3	14535.4	15068.3	15095.0	14910.7	14439.9	13607.2	12983.3
60°	12499.2	12554.7	13451.8	14928.4	16349.5	16940.2	16143.0	14799.6	13276.4	12410.4
62.5°	10838.3	10984.8	12066.2	14448.8	17384.3	19063.0	17131.2	14253.4	11917.4	10787.2
65°	7767.3	8022.7	9217.3	12330.4	17291.0	20928.2	16989.0	12230.5	9306.1	8002.7
67.5°	3523.9	3783.7	4798.5	8442.3	15030.6	20421.9	14995.0	8531.2	5038.3	3797.1
70°	1276.8	1321.2	1647.6	3379.6	9605.9	16271.8	10016.7	3404.0	1752.0	1407.8
72.5°	772.7	779.4	848.2	1210.2	3337.4	9879.0	3479.5	1250.1	866.0	768.3
75°	490.7	486.3	604.0	739.4	1183.5	3333.0	1241.3	739.4	601.8	548.5
77.5°	353.1	364.2	433.0	552.9	746.1	1130.2	732.8	528.5	433.0	355.3
80°	264.2	270.9	315.3	430.8	524.0	703.9	466.3	390.8	326.4	222.0
82.5°	191.0	191.0	206.5	313.1	319.8	379.7	253.1	275.3	215.4	157.7
85°	113.2	111.0	128.8	186.5	166.5	139.9	115.5	168.8	135.5	97.7
87.5°	40.0	42.2	40.0	53.3	44.4	37.7	35.5	46.6	37.7	33.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5267.0
5298.1
5371.4
5482.4
5615.6
5753.3
5904.3
6110.8
6344.0
6594.9
6876.9
7170.0
7489.7
7865.0
8286.9
8748.8
9221.7
9792.4
10411.9
11064.8
11737.6
12388.2
12867.8
12943.3
12308.2
10720.6
7907.2
3741.5
1390.0
781.6
552.9
361.9
228.7
157.7
95.5
31.1
0.0

OF REPORT)