

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: P943900

Luminaire Tested: **GALN-SB8C-835-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943900  
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-SB8C-835-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

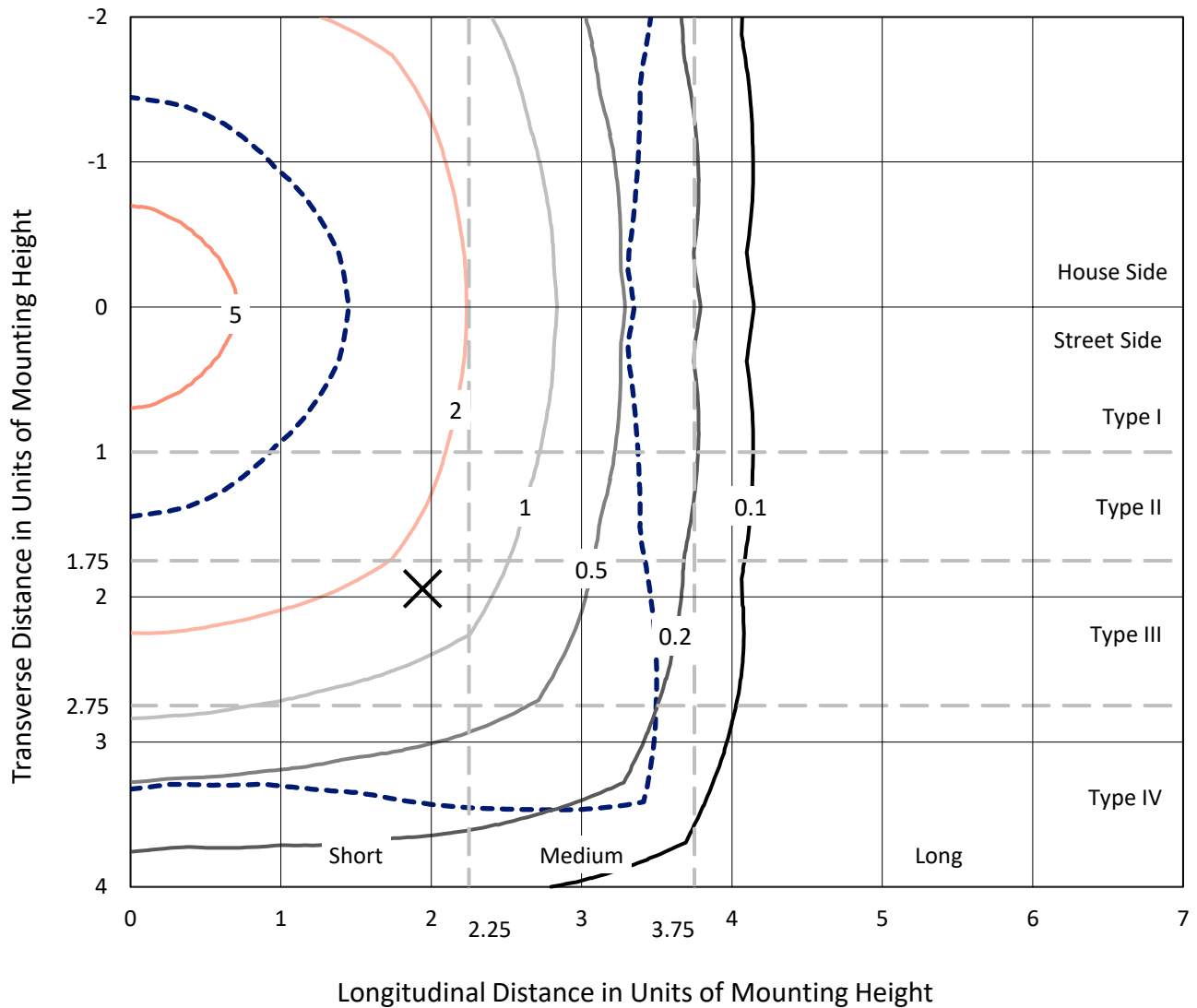
Lumens per Lamp: N/A  
Luminaire Lumens: 56816 lumens  
Efficiency: N/A  
Efficacy: 142.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

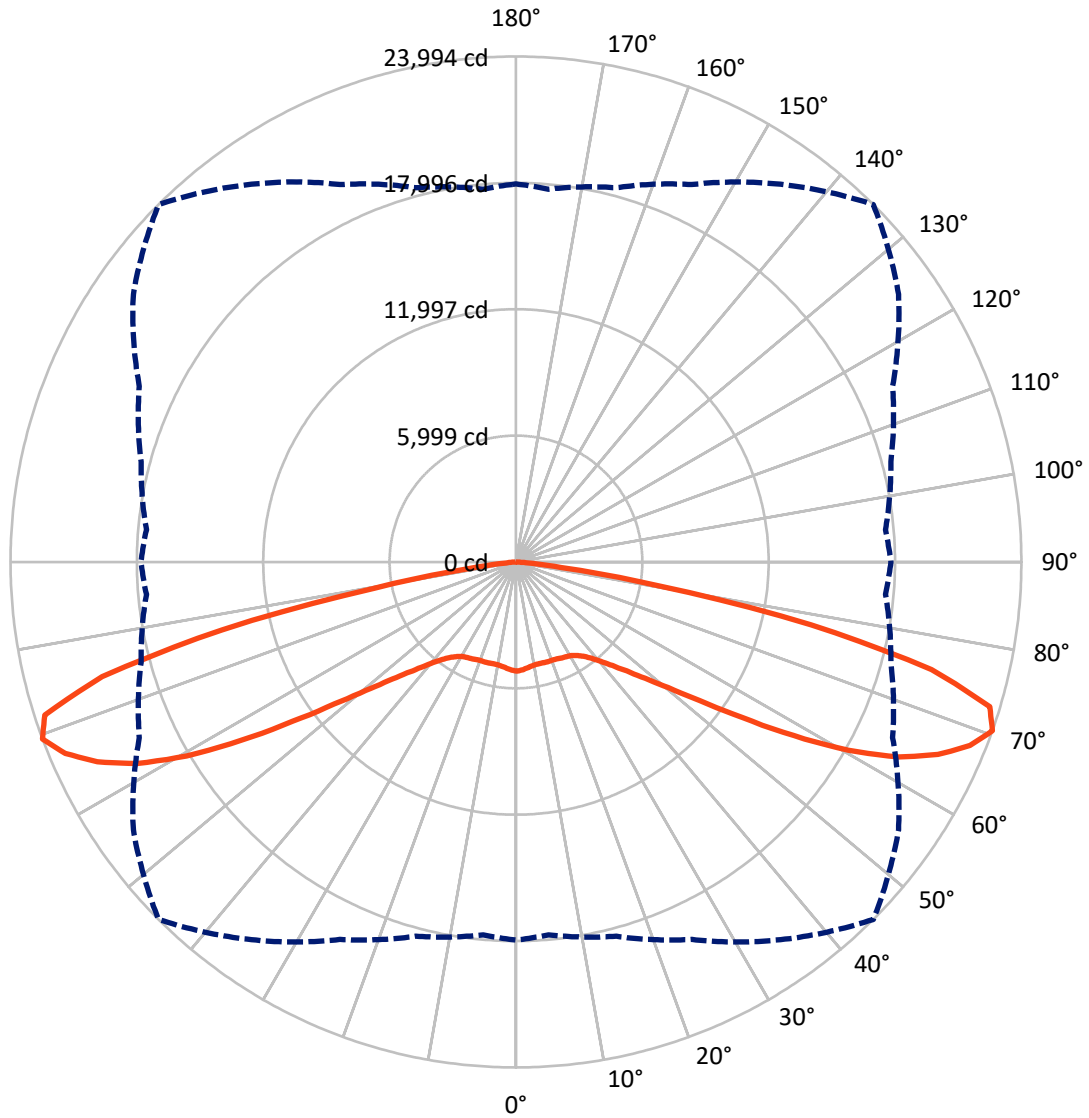
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	28408.0	0.0	28408.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	28408.0	0.0	28408.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	56816.0	0.0	56816.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	482.1	0.8
10°-20°	1415.6	2.5
20°-30°	2355.8	4.1
30°-40°	3562.7	6.3
40°-50°	5920.3	10.4
50°-60°	11171.4	19.7
60°-70°	18863.4	33.2
70°-80°	12395.2	21.8
80°-90°	649.4	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°	56816.0	100.0
0°-180°	56816.0	100.0



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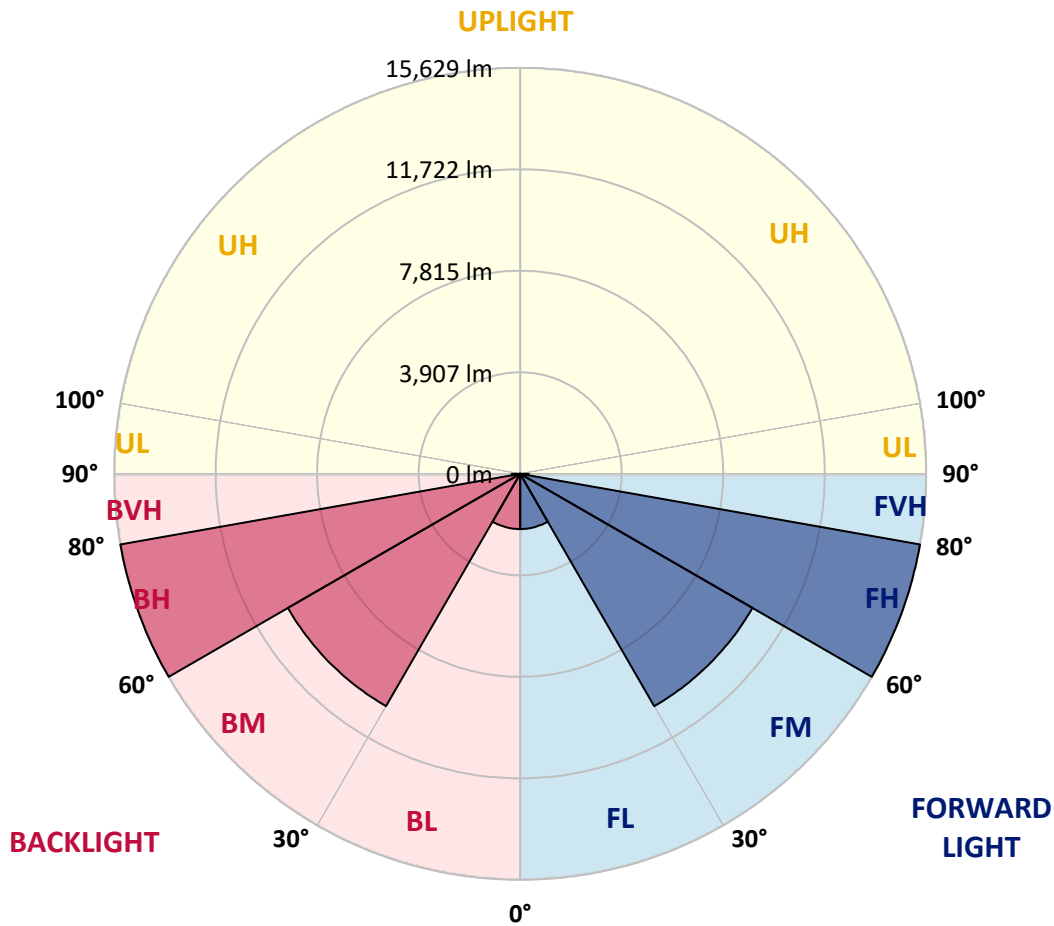
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2126.8	3.7			
FM (30°-60°)	10327.2	18.2			
FH (60°-80°)	15629.3	27.5			G5
FVH (80°-90°)	324.7	0.6			G3/500
BL (0°-30°)	2126.8	3.7	B3/2500		
BM (30°-60°)	10327.2	18.2	B5		
BH (60°-80°)	15629.3	27.5	B5		G5
BVH (80°-90°)	324.7	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°	5182.8	5182.8	5182.8	5182.8	5182.8	5182.8	5182.8	5182.8	5182.8	5182.8
2.5°	5150.3	5165.0	5159.1	5147.3	5147.3	5138.5	5147.3	5153.2	5162.1	5168.0
5°	5082.4	5094.2	5091.2	5082.4	5085.3	5076.5	5082.4	5091.2	5097.1	5100.1
7.5°	5023.3	5035.1	5029.2	5014.4	5014.4	5005.6	5008.5	5017.4	5026.2	5029.2
10°	5008.5	5020.3	5002.6	4979.0	4970.1	4958.3	4961.3	4970.1	4987.9	4996.7
12.5°	5014.4	5023.3	5005.6	4970.1	4961.3	4949.5	4949.5	4958.3	4981.9	4993.8
15°	5032.2	5041.0	5014.4	4976.0	4967.2	4958.3	4955.4	4967.2	4993.8	5014.4
17.5°	5064.6	5073.5	5032.2	4979.0	4967.2	4970.1	4967.2	4976.0	5017.4	5055.8
20°	5094.2	5100.1	5044.0	4979.0	4967.2	4970.1	4967.2	4984.9	5038.1	5091.2
22.5°	5103.0	5108.9	5055.8	4999.7	4990.8	4993.8	4990.8	5008.5	5058.7	5111.9
25°	5106.0	5114.8	5073.5	5029.2	5044.0	5049.9	5044.0	5046.9	5085.3	5132.6
27.5°	5150.3	5162.1	5123.7	5085.3	5094.2	5091.2	5100.1	5108.9	5138.5	5185.7
30°	5241.8	5250.7	5218.2	5179.8	5173.9	5153.2	5179.8	5209.3	5241.8	5283.2
32.5°	5392.4	5410.2	5368.8	5327.5	5300.9	5289.1	5309.7	5360.0	5404.2	5448.5
35°	5643.5	5655.3	5616.9	5540.1	5492.8	5492.8	5510.6	5575.5	5646.4	5702.5
37.5°	5997.8	6012.6	5944.7	5853.1	5782.3	5782.3	5805.9	5873.8	5980.1	6059.8
40°	6429.0	6449.7	6364.0	6269.5	6201.6	6189.8	6219.3	6296.1	6396.5	6496.9
42.5°	6948.7	6972.4	6860.1	6777.5	6724.3	6724.3	6739.1	6809.9	6901.5	7025.5
45°	7613.2	7654.5	7501.0	7418.3	7368.1	7379.9	7388.8	7450.8	7533.5	7675.2
47.5°	8404.6	8446.0	8283.6	8197.9	8189.1	8245.2	8209.7	8254.0	8298.3	8460.8
50°	9302.4	9373.3	9261.1	9255.1	9272.9	9376.2	9293.5	9317.2	9267.0	9370.3
52.5°	10401.0	10504.3	10483.7	10519.1	10717.0	10929.6	10740.6	10657.9	10468.9	10501.4
55°	11732.8	11889.3	11918.9	12131.5	12580.4	13014.5	12612.9	12279.2	11877.5	11803.7
57.5°	13247.8	13371.8	13513.6	13947.7	14786.4	15557.1	14786.4	14048.1	13416.1	13265.5
60°	14877.9	15031.5	15167.3	15808.2	17054.4	18138.2	17030.8	15858.4	15022.6	14818.9
62.5°	16629.1	16827.0	16921.5	17633.2	19086.2	20379.6	19106.8	17686.4	16759.1	16540.5
65°	18309.5	18471.9	18578.2	19337.2	20725.1	22021.6	20819.6	19419.9	18466.0	18179.5
67.5°	19092.1	19180.7	19440.5	20299.9	21764.7	23244.2	22012.7	20391.4	19325.4	18823.3
70°	17946.2	17766.1	18392.2	19768.3	21888.7	23994.3	22172.2	19727.0	18421.7	17606.6
72.5°	13868.0	13557.9	14644.6	16998.3	20471.2	23515.9	20612.9	17131.2	15320.9	13667.1
75°	7545.3	7193.9	8694.0	11670.8	16325.0	20382.6	16700.0	12004.5	9680.4	7489.2
77.5°	2129.2	1996.3	3207.1	5646.4	9819.2	14310.9	10197.2	5770.4	3803.6	2256.2
80°	652.6	632.0	856.4	1701.0	4169.8	6854.2	4007.4	1721.7	1089.7	688.1
82.5°	386.9	354.4	425.3	620.2	1063.1	2152.8	1033.6	646.7	519.8	348.5
85°	221.5	206.7	251.0	301.2	357.3	457.7	298.3	307.1	277.6	186.0
87.5°	91.5	82.7	97.5	94.5	82.7	106.3	79.7	94.5	112.2	73.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
5182.8  
5165.0  
5100.1  
5029.2  
4996.7  
4996.7  
5017.4  
5055.8  
5094.2  
5111.9  
5129.6  
5173.9  
5274.3  
5430.8  
5681.8  
6030.3  
6464.4  
7016.7  
7669.3  
8413.5  
9308.3  
10392.1  
11688.5  
13159.2  
14641.7  
16363.4  
18037.8  
18829.2  
*17801.5*  
14077.6  
7976.4  
2507.2  
726.5  
378.0  
194.9  
67.9  
0.0

OF REPORT)