

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: P952874

Luminaire Tested: **GALN-SB6C-835-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952874  
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-SB6C-835-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

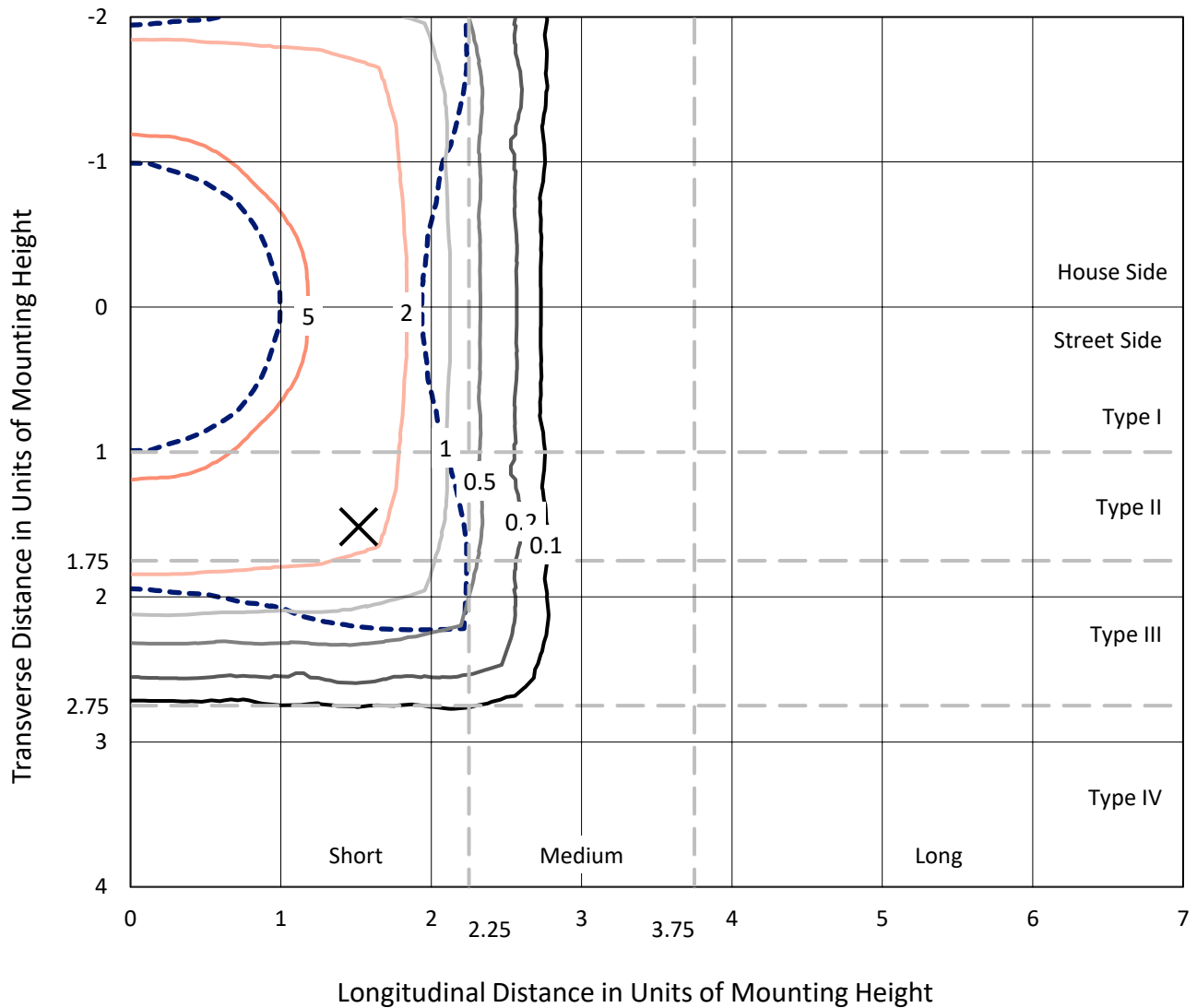
Lumens per Lamp: N/A  
Luminaire Lumens: 44141 lumens  
Efficiency: N/A  
Efficacy: 146.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

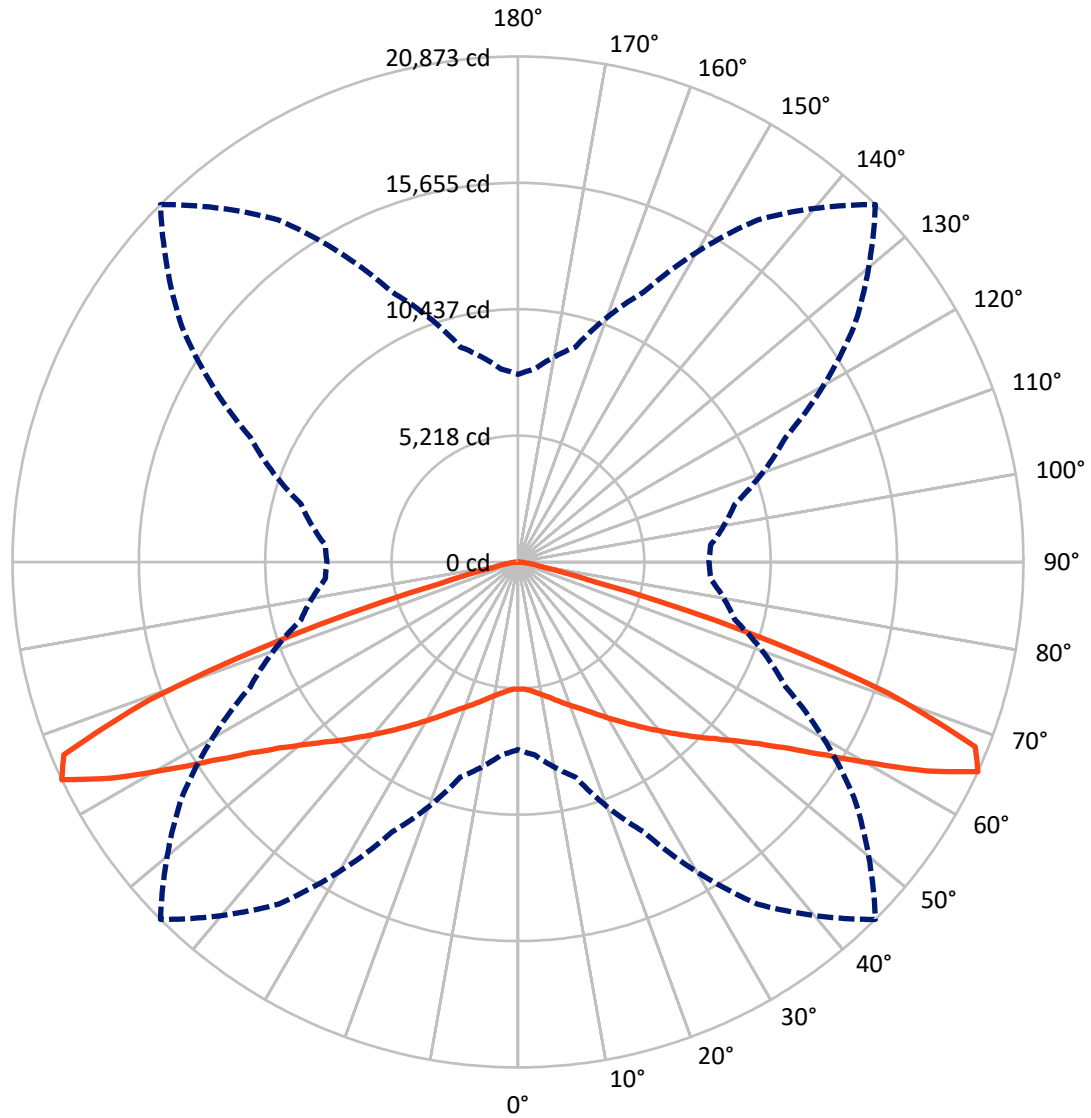
✕ Max cd  
 - - - 1/2 Max cd



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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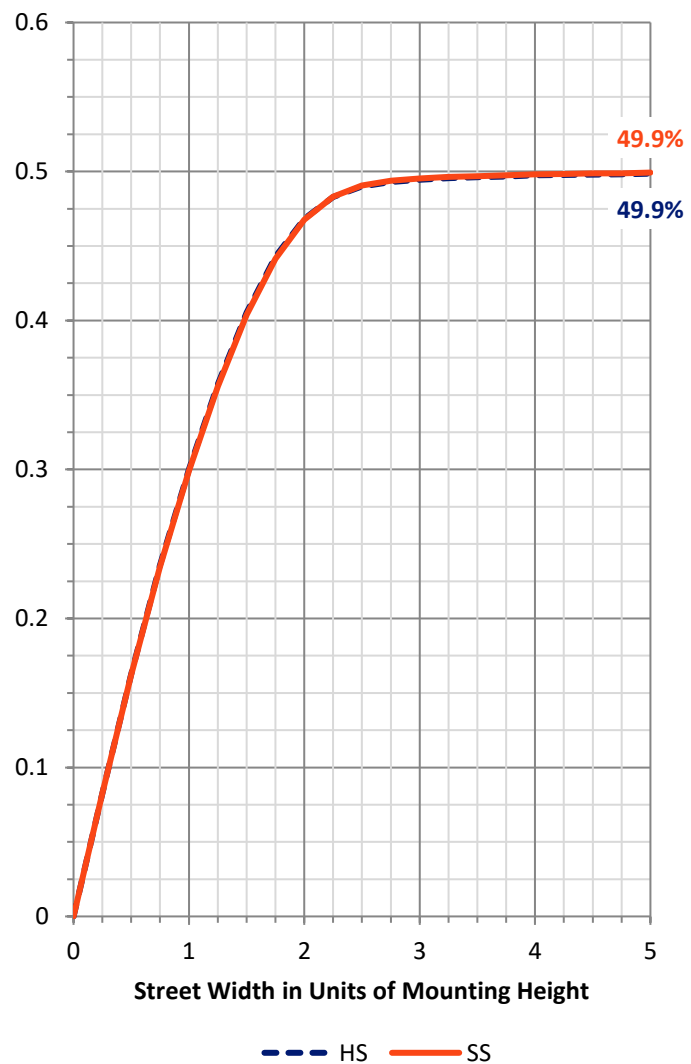
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	22070.5	0.0	22070.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	22070.5	0.0	22070.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	44141.0	0.0	44141.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	518.4	1.2
10°-20°	1691.7	3.8
20°-30°	3194.2	7.2
30°-40°	5230.3	11.8
40°-50°	8109.6	18.4
50°-60°	11979.7	27.1
60°-70°	11403.5	25.8
70°-80°	1840.1	4.2
80°-90°	173.5	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°	44141.0	100.0
0°-180°	44141.0	100.0

**Coefficient of Utilization**



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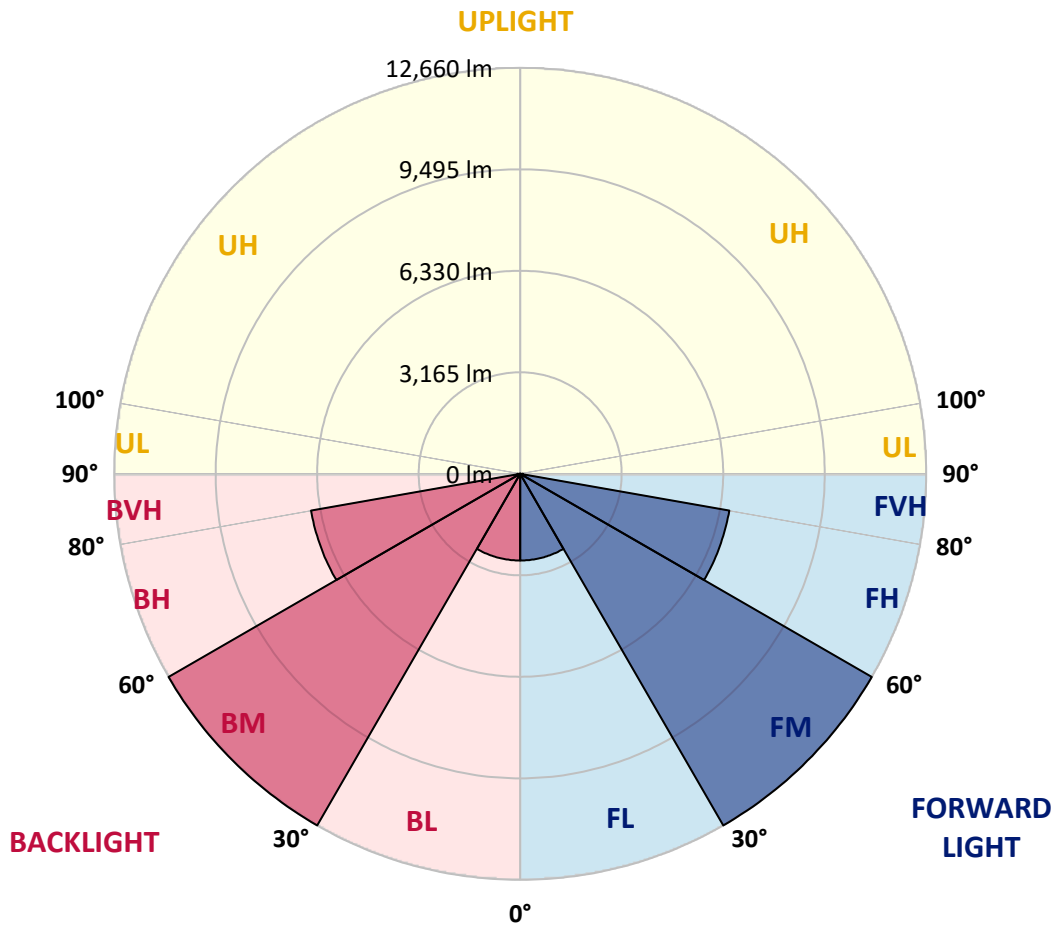
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2702.2	6.1			
FM (30°-60°)	12659.8	28.7			
FH (60°-80°)	6621.8	15.0			G3/7500
FVH (80°-90°)	86.7	0.2			G1/100
BL (0°-30°)	2702.2	6.1	B4/5000		
BM (30°-60°)	12659.8	28.7	B5		
BH (60°-80°)	6621.8	15.0	B5		G3/7500
BVH (80°-90°)	86.7	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°	5253.2	5253.2	5253.2	5253.2	5253.2	5253.2	5253.2	5253.2	5253.2	5253.2
2.5°	5288.7	5270.9	5284.2	5273.2	5264.3	5255.4	5259.9	5275.4	5282.0	5284.2
5°	5359.5	5344.0	5350.7	5350.7	5335.2	5330.7	5332.9	5344.0	5357.3	5357.3
7.5°	5474.7	5459.2	5474.7	5465.8	5452.5	5448.1	5445.9	5454.8	5474.7	5474.7
10°	5614.2	5596.5	5605.4	5600.9	5585.4	5578.8	5576.6	5589.9	5607.6	5605.4
12.5°	5767.0	5747.1	5758.2	5744.9	5740.5	5733.8	5733.8	5731.6	5742.7	5733.8
15°	5937.6	5924.3	5928.7	5919.8	5926.5	5922.1	5904.3	5895.5	5899.9	5886.6
17.5°	6139.1	6108.1	6123.6	6119.2	6119.2	6128.0	6099.2	6088.2	6097.0	6083.7
20°	6371.6	6340.6	6347.3	6338.4	6327.3	6336.2	6300.8	6309.6	6316.3	6307.4
22.5°	6626.3	6586.5	6584.2	6588.7	6564.3	6566.5	6542.2	6564.3	6577.6	6553.2
25°	6887.7	6845.6	6874.4	6863.3	6832.3	6838.9	6821.2	6843.4	6854.4	6823.4
27.5°	7164.5	7135.7	7162.3	7168.9	7131.3	7157.8	7131.3	7151.2	7162.3	7115.8
30°	7487.8	7459.0	7483.4	7501.1	7456.8	7498.9	7476.8	7490.0	7492.3	7436.9
32.5°	7840.0	7795.7	7857.7	7866.5	7817.8	7868.8	7840.0	7857.7	7868.8	7793.5
35°	8269.6	8214.2	8285.1	8274.0	8232.0	8274.0	8247.5	8274.0	8300.6	8209.8
37.5°	8732.5	8674.9	8750.2	8730.3	8690.4	8719.2	8703.7	8721.4	8763.5	8666.0
40°	9241.9	9171.0	9272.9	9237.4	9199.8	9195.4	9204.2	9215.3	9270.6	9162.1
42.5°	9786.7	9711.4	9864.2	9808.8	9755.7	9720.2	9749.0	9771.2	9824.3	9702.5
45°	10409.0	10322.6	10521.9	10455.5	10371.3	10298.3	10344.8	10378.0	10455.5	10309.3
47.5°	11095.5	10998.1	11210.7	11190.8	11053.5	10894.0	11000.3	11095.5	11153.1	10976.0
50°	11766.6	11691.3	11970.3	11994.7	11826.4	11602.7	11751.1	11895.0	11910.5	11678.0
52.5°	12395.6	12320.3	12725.6	12878.4	12727.8	12462.0	12619.2	12765.4	12648.0	12346.8
55°	12898.3	12836.3	13352.3	13746.5	13797.5	13578.2	13671.2	13666.8	13281.4	12818.6
57.5°	13020.1	13011.2	13662.4	14497.3	15028.8	15055.4	14871.6	14402.1	13571.6	12949.2
60°	12466.4	12521.8	13416.5	14889.3	16306.7	16895.8	16100.7	14760.8	13241.6	12377.8
62.5°	10809.9	10956.0	12034.6	14410.9	17338.7	19013.0	17086.3	14216.0	11886.2	10758.9
65°	7746.9	8001.6	9193.1	12298.1	17245.7	20873.4	16944.5	12198.5	9281.7	7981.7
67.5°	3514.7	3773.8	4785.9	8420.2	14991.2	20368.4	14955.7	8508.8	5025.1	3787.1
70°	1273.4	1317.7	1643.3	3370.7	9580.7	16229.2	9990.4	3395.1	1747.4	1404.1
72.5°	770.7	777.4	846.0	1207.0	3328.7	9853.1	3470.4	1246.9	863.7	766.3
75°	489.4	485.0	602.4	737.5	1180.4	3324.2	1238.0	737.5	600.2	547.0
77.5°	352.1	363.2	431.9	551.5	744.1	1127.3	730.8	527.1	431.9	354.3
80°	263.5	270.2	314.5	429.6	522.7	702.1	465.1	389.8	325.6	221.5
82.5°	190.5	190.5	206.0	312.3	318.9	378.7	252.5	274.6	214.8	157.2
85°	112.9	110.7	128.5	186.0	166.1	139.5	115.2	168.3	135.1	97.4
87.5°	39.9	42.1	39.9	53.2	44.3	37.6	35.4	46.5	37.6	33.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5253.2
5284.2
5357.3
5468.0
5600.9
5738.2
5888.8
6094.8
6327.3
6577.6
6858.9
7151.2
7470.1
7844.4
8265.2
8725.8
9197.6
9766.7
10384.6
11035.7
11706.8
12355.7
12834.1
12909.4
12276.0
10692.5
7886.5
3731.7
1386.4
779.6
551.5
361.0
228.1
157.2
95.2
31.0
0.0

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