

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: P954280

Luminaire Tested: **GALN-SB7C-830-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954280  
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-SB7C-830-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

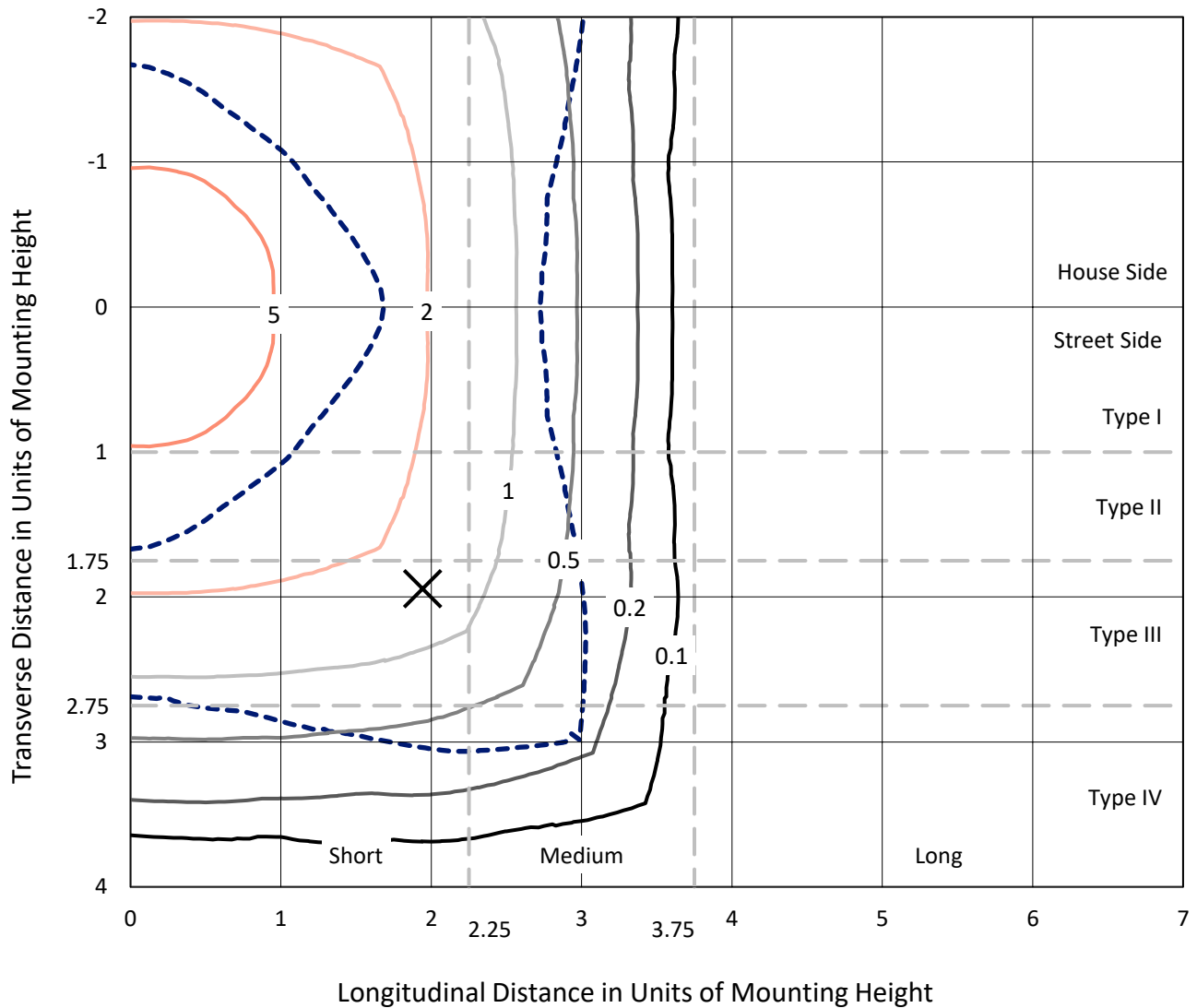
Lumens per Lamp: N/A  
Luminaire Lumens: 50118 lumens  
Efficiency: N/A  
Efficacy: 143.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

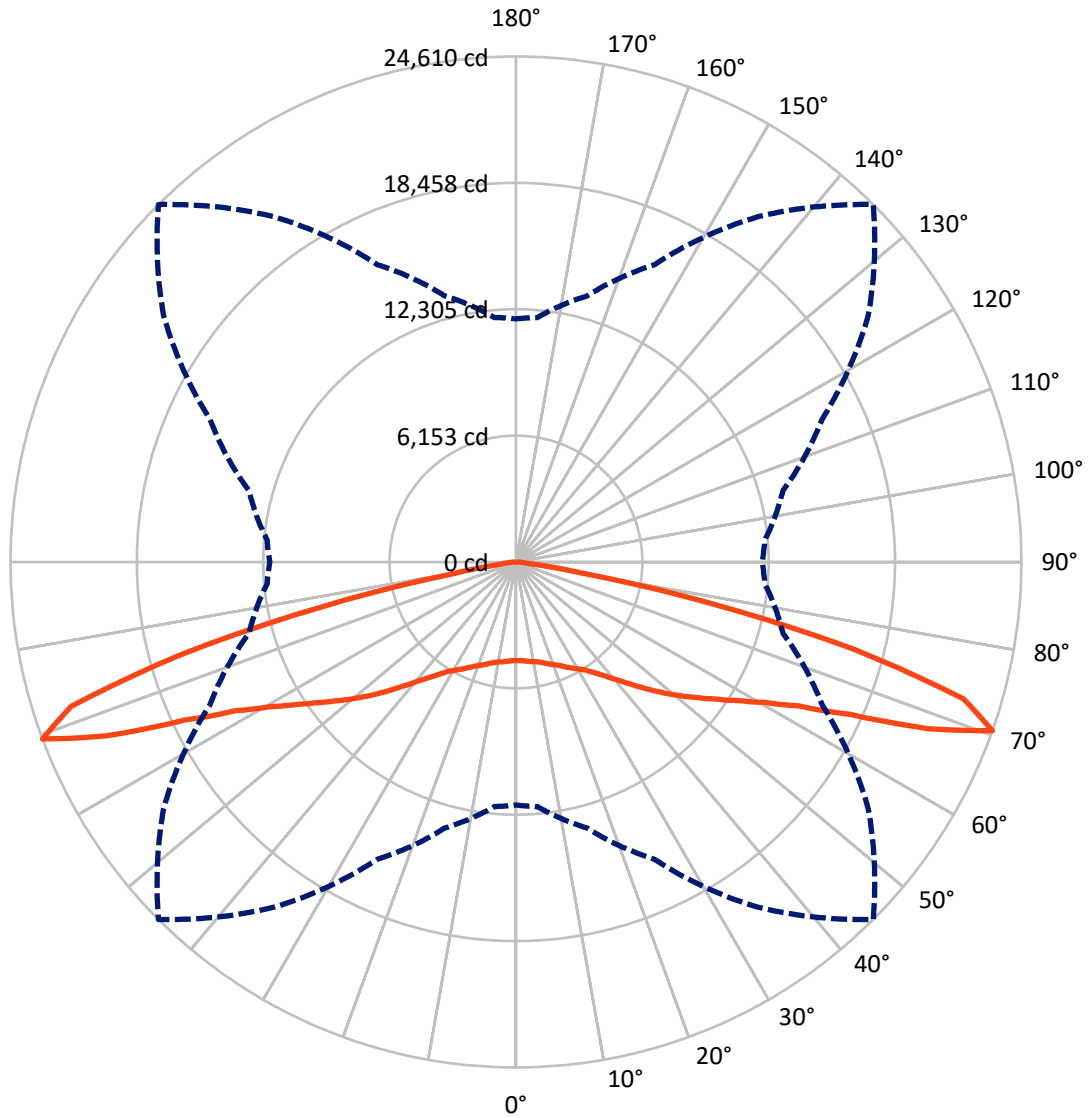
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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	25059.0	0.0	25059.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	25059.0	0.0	25059.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	50118.0	0.0	50118.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	466.4	0.9
10°-20°	1446.2	2.9
20°-30°	2584.6	5.2
30°-40°	4189.6	8.4
40°-50°	6824.2	13.6
50°-60°	10404.6	20.8
60°-70°	15478.7	30.9
70°-80°	8436.4	16.8
80°-90°	287.3	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°	50118.0	100.0
0°-180°	50118.0	100.0

**Coefficient of Utilization**



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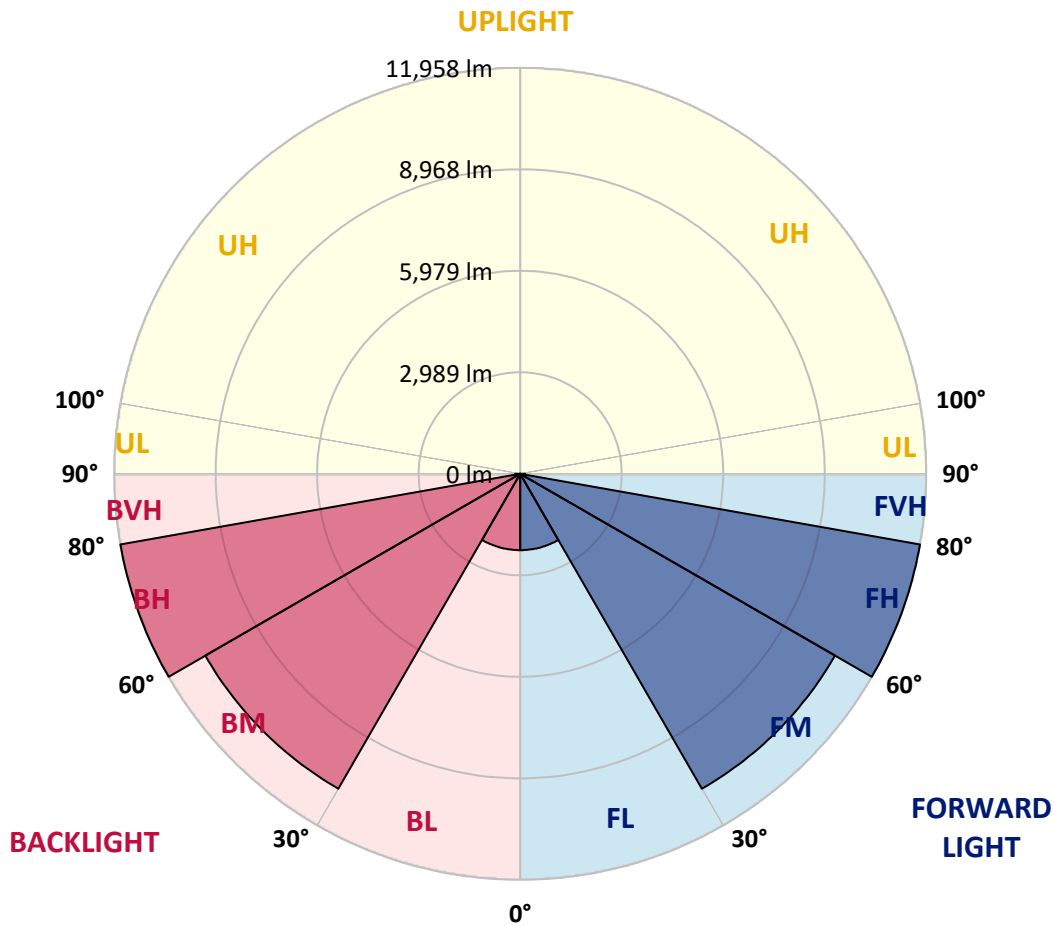
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2248.6	4.5			
FM (30°-60°)	10709.2	21.4			
FH (60°-80°)	11957.6	23.9			G4/12000
FVH (80°-90°)	143.6	0.3			G2/225
BL (0°-30°)	2248.6	4.5	B3/2500		
BM (30°-60°)	10709.2	21.4	B5		
BH (60°-80°)	11957.6	23.9	B5		G4/12000
BVH (80°-90°)	143.6	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°	4800.8	4800.8	4800.8	4800.8	4800.8	4800.8	4800.8	4800.8	4800.8	4800.8
2.5°	4823.4	4828.5	4818.4	4813.4	4808.3	4800.8	4803.3	4815.9	4825.9	4823.4
5°	4863.7	4868.7	4861.2	4858.7	4848.6	4846.1	4846.1	4858.7	4866.2	4861.2
7.5°	4909.0	4916.5	4903.9	4901.4	4896.4	4891.4	4888.9	4901.4	4909.0	4909.0
10°	4951.8	4959.3	4949.2	4941.7	4936.7	4936.7	4931.6	4941.7	4954.3	4951.8
12.5°	4997.0	5002.1	4992.0	4987.0	4987.0	4994.5	4987.0	4992.0	5002.1	4997.0
15°	5052.4	5054.9	5052.4	5059.9	5072.5	5097.7	5075.0	5070.0	5075.0	5062.5
17.5°	5127.9	5132.9	5143.0	5160.6	5178.2	5223.5	5183.2	5170.7	5170.7	5145.5
20°	5221.0	5228.5	5243.6	5273.8	5296.5	5339.2	5299.0	5281.4	5273.8	5241.1
22.5°	5319.1	5331.7	5354.3	5394.6	5434.9	5475.1	5434.9	5404.7	5382.0	5339.2
25°	5432.3	5447.4	5482.7	5548.1	5603.4	5661.3	5613.5	5553.1	5507.8	5447.4
27.5°	5593.4	5611.0	5653.8	5734.3	5804.7	5855.0	5809.8	5731.8	5668.9	5595.9
30°	5819.8	5837.4	5887.8	5973.3	6021.1	6053.8	6023.6	5963.2	5887.8	5804.7
32.5°	6111.7	6134.3	6189.7	6270.2	6280.3	6285.3	6275.2	6245.0	6189.7	6089.0
35°	6481.6	6506.7	6569.6	6635.0	6625.0	6635.0	6620.0	6609.9	6569.6	6453.9
37.5°	6934.5	6964.7	7030.1	7080.4	7055.2	7042.7	7045.2	7047.7	7025.0	6896.7
40°	7460.3	7500.6	7548.4	7601.2	7558.5	7520.7	7545.9	7566.0	7545.9	7415.1
42.5°	8001.3	8059.2	8109.5	8185.0	8149.8	8102.0	8137.2	8159.8	8117.1	7976.1
45°	8602.7	8658.0	8723.4	8836.7	8811.5	8761.2	8811.5	8816.5	8743.6	8577.5
47.5°	9224.2	9282.0	9380.2	9531.1	9521.1	9465.7	9531.1	9495.9	9402.8	9204.0
50°	9812.9	9893.4	10044.4	10255.8	10275.9	10208.0	10296.0	10228.1	10072.1	9823.0
52.5°	10366.5	10452.0	10691.1	10977.9	11050.9	10962.8	11081.1	10962.8	10728.8	10409.3
55°	10947.7	11043.3	11327.6	11702.5	11848.5	11783.1	11893.8	11715.1	11383.0	10995.5
57.5°	11632.1	11690.0	12029.6	12475.0	12721.6	12736.7	12787.0	12485.1	12082.5	11642.2
60°	12374.4	12454.9	12824.7	13358.2	13748.2	13874.0	13821.1	13373.3	12905.3	12399.5
62.5°	13325.5	13413.5	13856.4	14495.5	15111.9	15423.9	15217.6	14568.4	13989.7	13383.3
65°	14113.0	14211.1	15011.3	16151.1	17273.3	17899.8	17381.5	16186.3	15144.6	14289.1
67.5°	13541.8	13662.6	14918.2	17011.6	19802.0	21671.5	19897.6	17268.2	15227.6	14067.7
70°	11835.9	11949.1	13413.5	15972.4	20514.0	24610.3	20941.8	16442.9	13461.3	12163.0
72.5°	7857.9	8222.7	9704.7	12774.4	18317.5	22773.5	18498.6	12515.3	9002.7	7840.3
75°	2606.7	2898.6	3910.1	6622.5	12268.7	17031.7	11679.9	5860.1	3097.4	2229.3
77.5°	656.7	757.4	1044.2	1894.6	4893.9	9697.2	4405.8	1547.4	842.9	588.8
80°	319.5	352.3	503.2	631.5	1225.4	3082.3	1149.9	593.8	397.5	307.0
82.5°	176.1	178.6	284.3	357.3	455.4	797.6	473.0	347.2	229.0	186.2
85°	108.2	105.7	151.0	191.2	191.2	284.3	226.5	191.2	130.8	115.7
87.5°	42.8	42.8	55.4	60.4	52.8	73.0	57.9	62.9	50.3	47.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4800.8
4825.9
4863.7
4909.0
4951.8
4994.5
5062.5
5145.5
5241.1
5336.7
5444.9
5593.4
5804.7
6091.6
6453.9
6896.7
7415.1
7986.2
8595.1
9191.4
9818.0
10379.1
10942.7
11581.8
12319.0
13277.6
14148.2
13894.1
11989.4
7586.1
2108.5
525.9
281.8
186.2
120.8
50.3
0.0

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