

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: P954323

Luminaire Tested: **GALN-SB7C-840-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954323  
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-SB7C-840-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

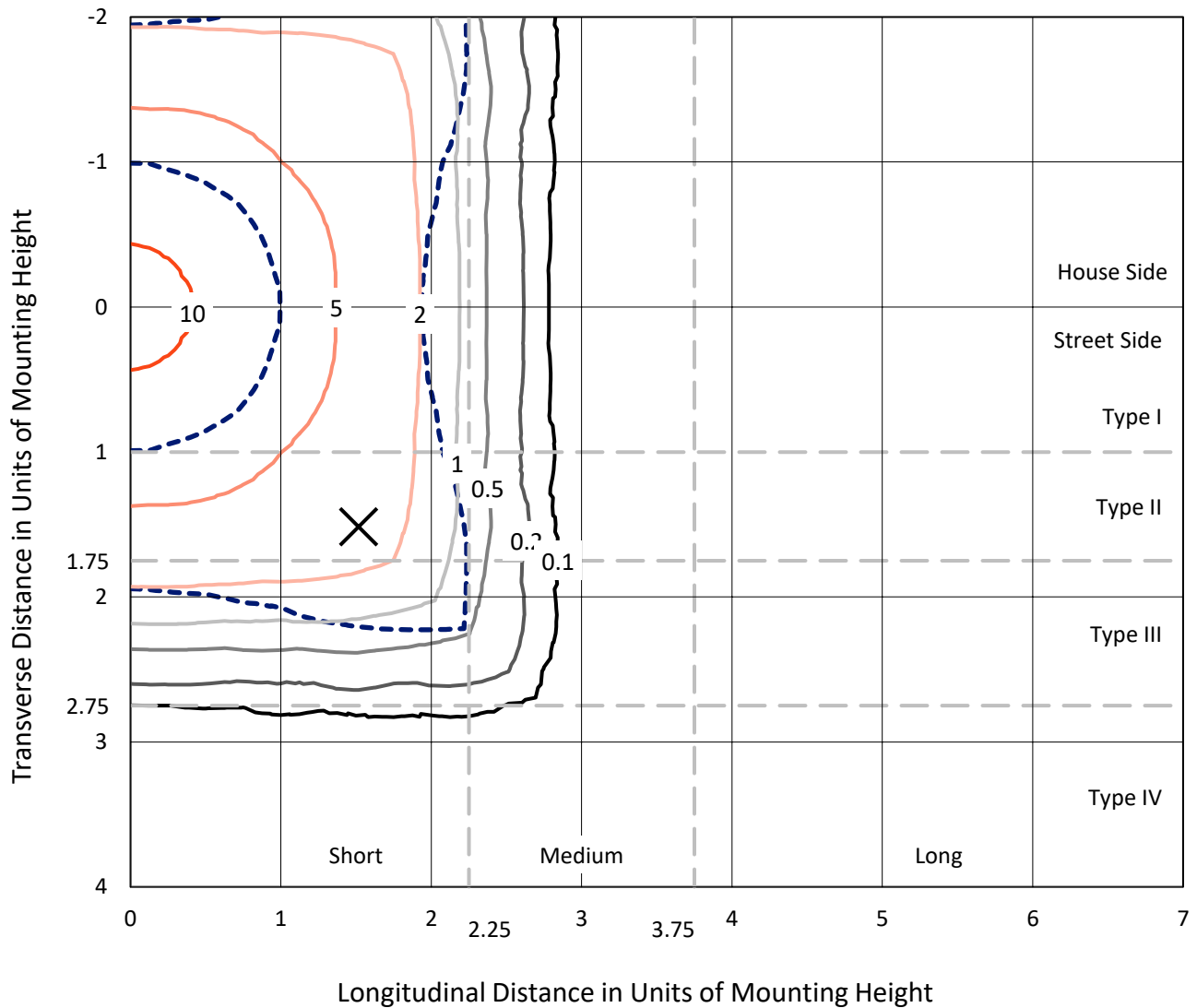
Lumens per Lamp: N/A  
Luminaire Lumens: 53384 lumens  
Efficiency: N/A  
Efficacy: 152.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

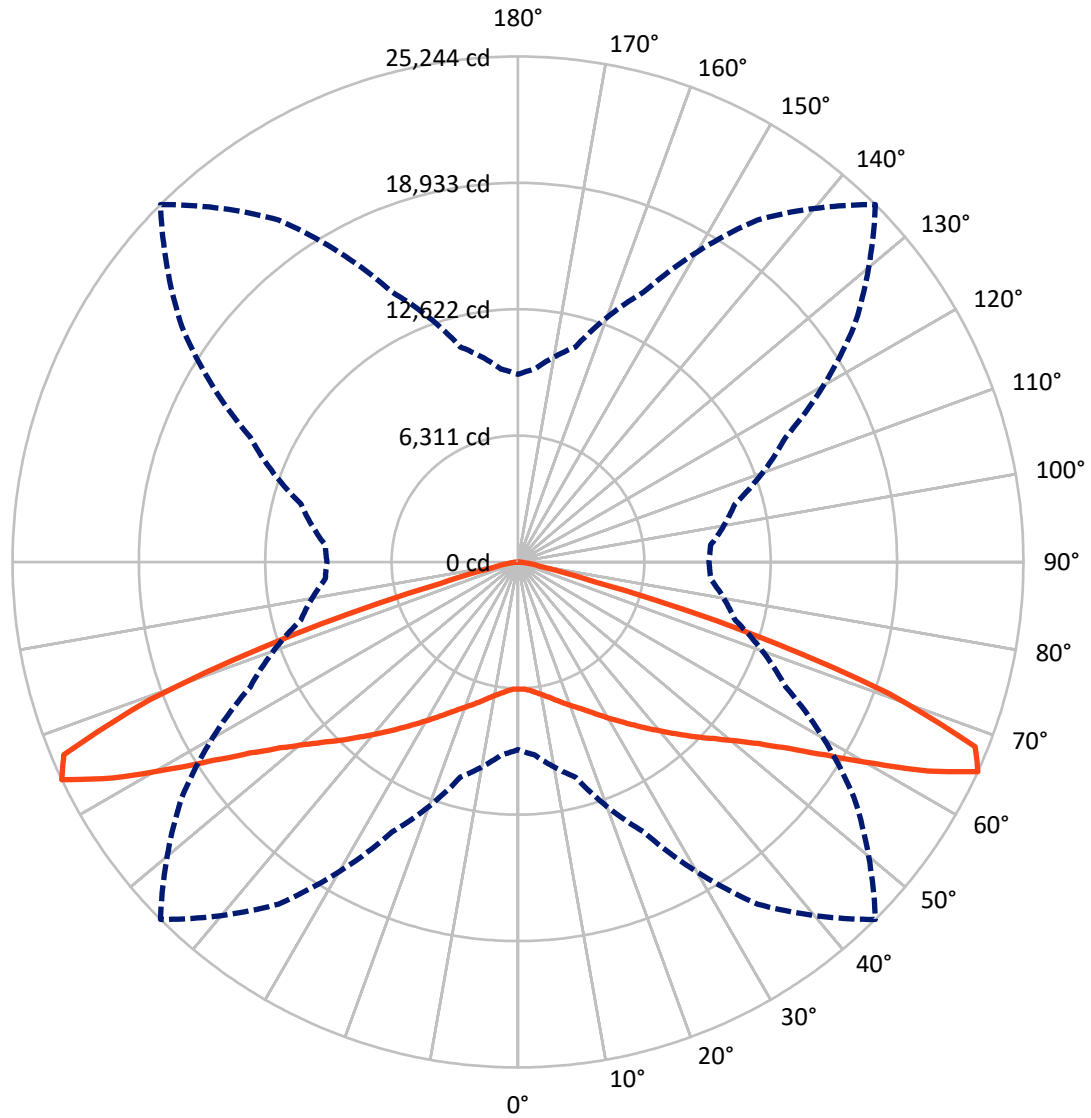
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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	26692.0	0.0	26692.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	26692.0	0.0	26692.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	53384.0	0.0	53384.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	627.0	1.2
10°-20°	2046.0	3.8
20°-30°	3863.0	7.2
30°-40°	6325.5	11.8
40°-50°	9807.8	18.4
50°-60°	14488.1	27.1
60°-70°	13791.4	25.8
70°-80°	2225.4	4.2
80°-90°	209.8	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°	53384.0	100.0
0°-180°	53384.0	100.0



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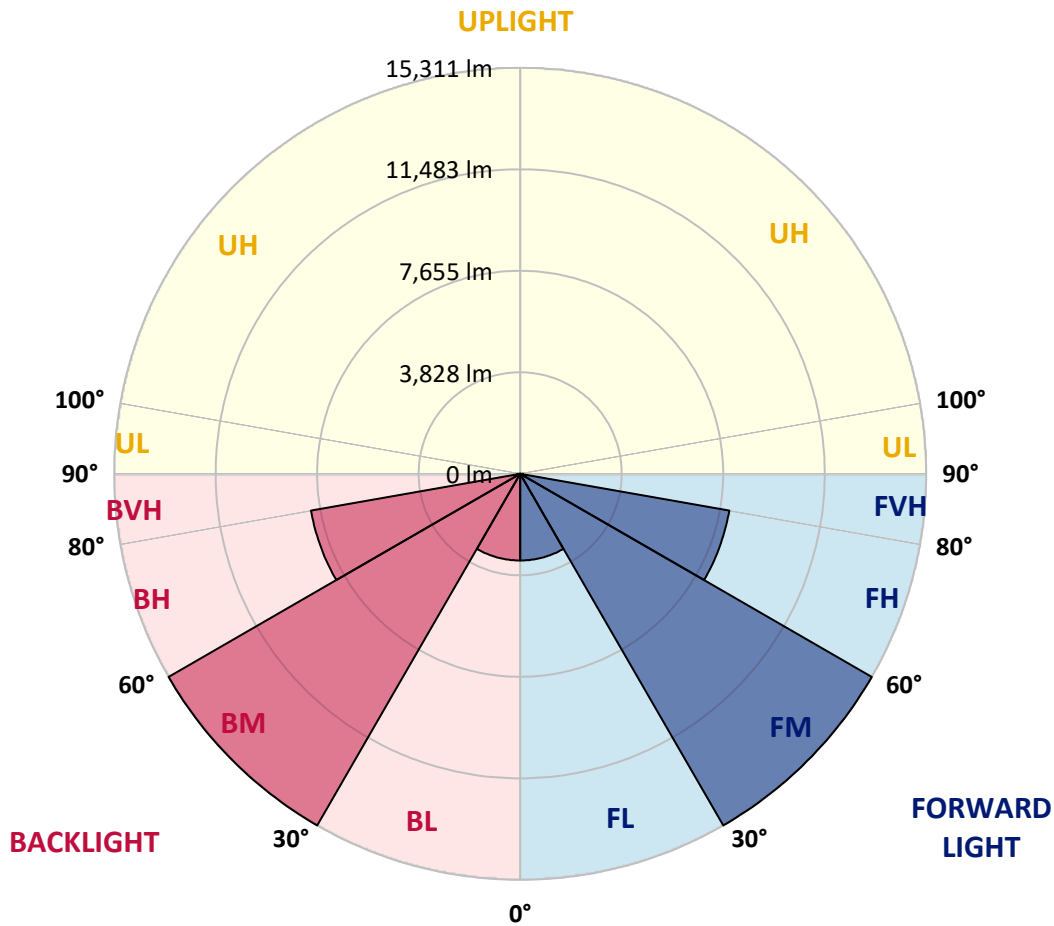
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3268.0	6.1			
FM (30°-60°)	15310.7	28.7			
FH (60°-80°)	8008.4	15.0			G4/12000
FVH (80°-90°)	104.9	0.2			G2/225
BL (0°-30°)	3268.0	6.1	B4/5000		
BM (30°-60°)	15310.7	28.7	B5		
BH (60°-80°)	8008.4	15.0	B5		G4/12000
BVH (80°-90°)	104.9	0.2			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°	6353.2	6353.2	6353.2	6353.2	6353.2	6353.2	6353.2	6353.2	6353.2	6353.2
2.5°	6396.1	6374.7	6390.7	6377.3	6366.6	6355.9	6361.3	6380.0	6388.0	6390.7
5°	6481.8	6463.0	6471.1	6471.1	6452.3	6447.0	6449.7	6463.0	6479.1	6479.1
7.5°	6621.1	6602.3	6621.1	6610.4	6594.3	6588.9	6586.3	6597.0	6621.1	6621.1
10°	6789.8	6768.4	6779.1	6773.7	6755.0	6747.0	6744.3	6760.4	6781.8	6779.1
12.5°	6974.6	6950.5	6963.9	6947.8	6942.5	6934.4	6934.4	6931.8	6945.2	6934.4
15°	7180.9	7164.8	7170.2	7159.4	7167.5	7162.1	7140.7	7130.0	7135.3	7119.3
17.5°	7424.6	7387.1	7405.9	7400.5	7400.5	7411.2	7376.4	7363.0	7373.7	7357.6
20°	7705.8	7668.3	7676.4	7665.7	7652.3	7663.0	7620.1	7630.8	7638.9	7628.2
22.5°	8013.9	7965.6	7963.0	7968.3	7938.9	7941.5	7912.1	7938.9	7954.9	7925.5
25°	8329.9	8279.0	8313.8	8300.4	8262.9	8271.0	8249.6	8276.3	8289.7	8252.2
27.5°	8664.7	8629.9	8662.0	8670.1	8624.5	8656.7	8624.5	8648.6	8662.0	8605.8
30°	9055.8	9020.9	9050.4	9071.8	9018.3	9069.2	9042.4	9058.4	9061.1	8994.2
32.5°	9481.6	9428.1	9503.1	9513.8	9454.8	9516.5	9481.6	9503.1	9516.5	9425.4
35°	10001.2	9934.3	10020.0	10006.6	9955.7	10006.6	9974.5	10006.6	10038.7	9928.9
37.5°	10561.0	10491.4	10582.5	10558.4	10510.1	10545.0	10526.2	10547.6	10598.5	10480.7
40°	11177.1	11091.4	11214.6	11171.7	11126.2	11120.8	11131.5	11144.9	11211.9	11080.7
42.5°	11836.0	11744.9	11929.7	11862.8	11798.5	11755.6	11790.4	11817.2	11881.5	11734.2
45°	12588.6	12484.2	12725.2	12644.9	12543.1	12454.7	12510.9	12551.1	12644.9	12468.1
47.5°	13418.9	13301.1	13558.2	13534.1	13368.0	13175.2	13303.7	13418.9	13488.6	13274.3
50°	14230.5	14139.4	14476.9	14506.4	14302.8	14032.3	14211.7	14385.8	14404.6	14123.3
52.5°	14991.2	14900.1	15390.2	15575.1	15392.9	15071.5	15261.7	15438.5	15296.5	14932.2
55°	15599.2	15524.2	16148.2	16625.0	16686.6	16421.4	16533.9	16528.6	16062.5	15502.7
57.5°	15746.5	15735.8	16523.2	17533.0	18175.8	18207.9	17985.6	17417.8	16413.4	15660.8
60°	15076.9	15143.8	16225.9	18007.1	19721.3	20433.7	19472.2	17851.7	16014.3	14969.7
62.5°	13073.4	13250.2	14554.6	17428.5	20969.4	22994.3	20664.1	17192.8	14375.1	13011.8
65°	9369.1	9677.2	11118.2	14873.3	20856.9	25244.2	20492.6	14752.8	11225.3	9653.1
67.5°	4250.7	4564.0	5788.1	10183.4	18130.3	24633.5	18087.4	10290.5	6077.4	4580.1
70°	1540.1	1593.7	1987.4	4076.6	11586.9	19627.5	12082.4	4106.0	2113.3	1698.1
72.5°	932.1	940.1	1023.2	1459.7	4025.7	11916.3	4197.1	1508.0	1044.6	926.7
75°	591.9	586.6	728.5	891.9	1427.6	4020.3	1497.2	891.9	725.9	661.6
77.5°	425.9	439.3	522.3	666.9	900.0	1363.3	883.9	637.5	522.3	428.5
80°	318.7	326.8	380.3	519.6	632.1	849.1	562.5	471.4	393.7	267.8
82.5°	230.3	230.3	249.1	377.7	385.7	458.0	305.3	332.1	259.8	190.2
85°	136.6	133.9	155.3	225.0	200.9	168.7	139.3	203.6	163.4	117.9
87.5°	48.2	50.9	48.2	64.3	53.6	45.5	42.9	56.2	45.5	40.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6353.2
6390.7
6479.1
6613.0
6773.7
6939.8
7121.9
7371.0
7652.3
7954.9
8295.1
8648.6
9034.3
9487.0
9995.9
10553.0
11123.5
11811.9
12559.1
13346.6
14158.2
14942.9
15521.5
15612.6
14846.5
12931.4
9537.9
4513.2
1676.7
942.8
666.9
436.6
275.9
190.2
115.2
37.5
0.0

OF REPORT)