

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: P954197

Luminaire Tested: **GALN-SB7C-740-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954197  
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-740-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

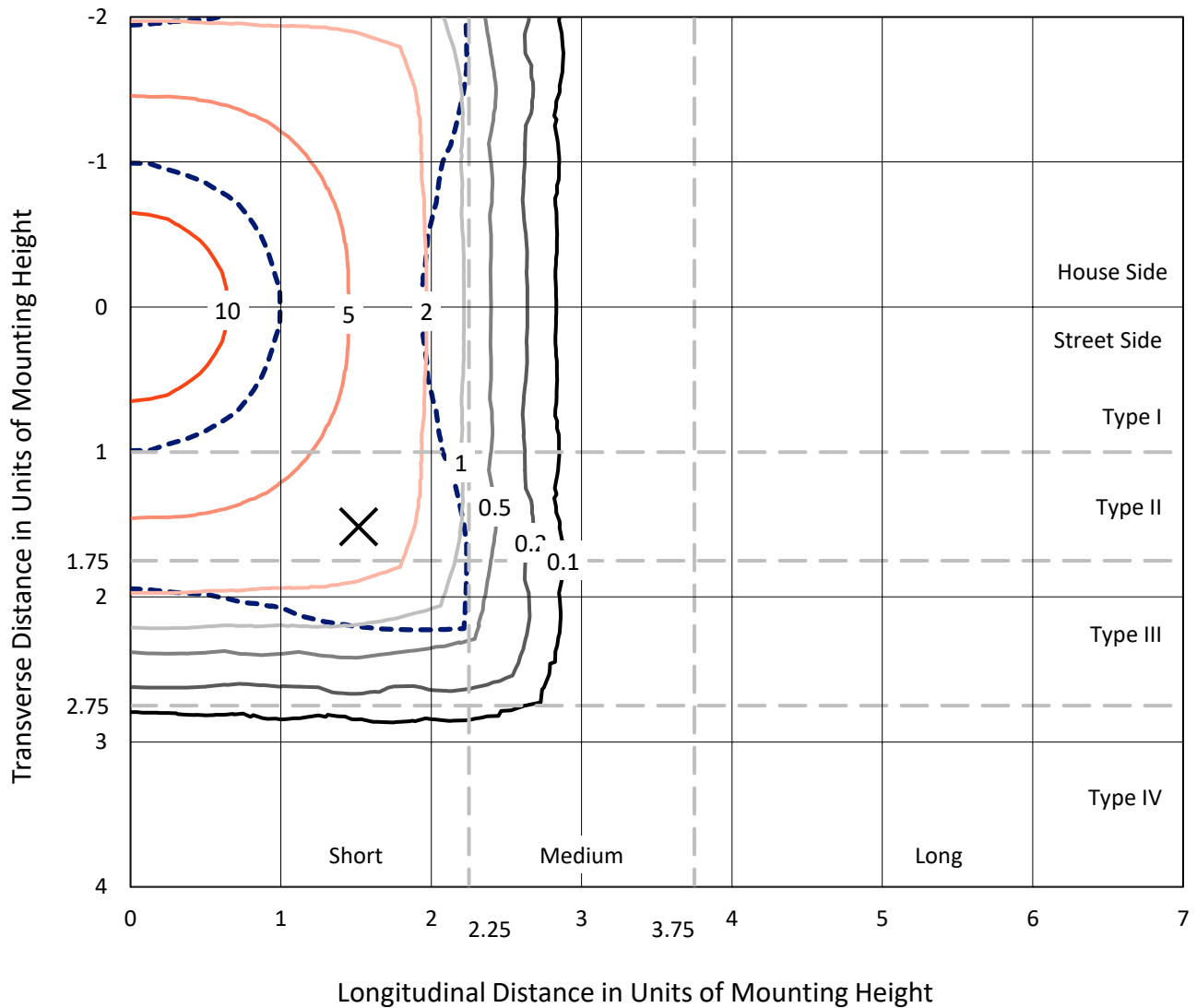
Lumens per Lamp: N/A  
Luminaire Lumens: 59046 lumens  
Efficiency: N/A  
Efficacy: 168.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



REPORT NUMBER: P954197  
 CATALOG NUMBER: GALN-SB7C-740-U-5NQ

### Iso-Footcandle Lines of Horizontal Illumination

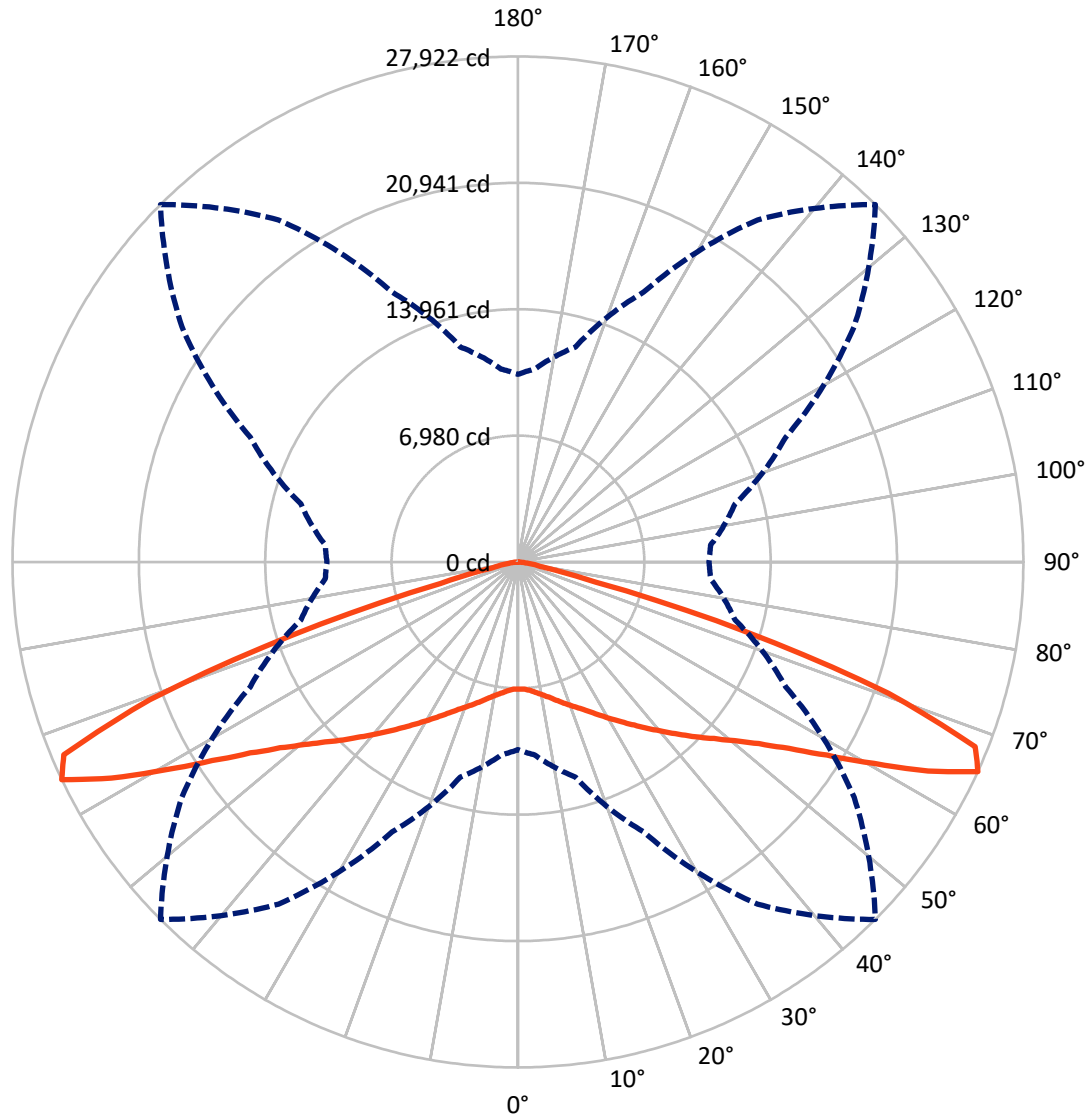
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P954197  
CATALOG NUMBER: GALN-SB7C-740-U-5NQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P954197  
 CATALOG NUMBER: GALN-SB7C-740-U-5NQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	29523.0	0.0	29523.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	29523.0	0.0	29523.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	59046.0	0.0	59046.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	693.5	1.2
10°-20°	2263.0	3.8
20°-30°	4272.7	7.2
30°-40°	6996.4	11.8
40°-50°	10848.0	18.4
50°-60°	16024.8	27.1
60°-70°	15254.1	25.8
70°-80°	2461.5	4.2
80°-90°	232.0	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°	59046.0	100.0
0°-180°	59046.0	100.0



REPORT NUMBER: P954197

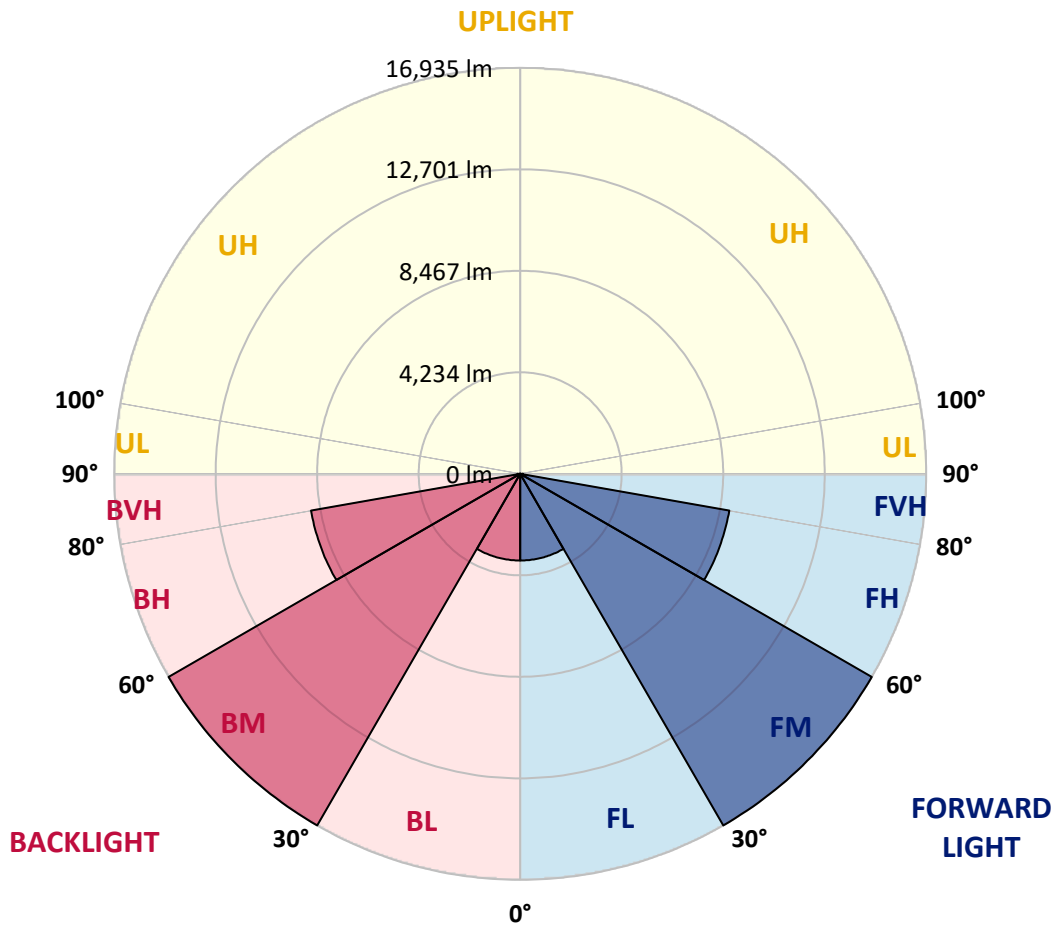
CATALOG NUMBER: GALN-SB7C-740-U-5NQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3614.6	6.1			
FM (30°-60°)	16934.6	28.7			
FH (60°-80°)	8857.8	15.0			G4/12000
FVH (80°-90°)	116.0	0.2			G2/225
BL (0°-30°)	3614.6	6.1	B4/5000		
BM (30°-60°)	16934.6	28.7	B5		
BH (60°-80°)	8857.8	15.0	B5		G4/12000
BVH (80°-90°)	116.0	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



REPORT NUMBER: P954197  
 CATALOG NUMBER: GALN-SB7C-740-U-5NQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7027.1	7027.1	7027.1	7027.1	7027.1	7027.1	7027.1	7027.1	7027.1	7027.1
2.5°	7074.5	7050.8	7068.5	7053.7	7041.9	7030.0	7036.0	7056.7	7065.6	7068.5
5°	7169.3	7148.5	7157.4	7157.4	7136.7	7130.8	7133.7	7148.5	7166.3	7166.3
7.5°	7323.3	7302.6	7323.3	7311.5	7293.7	7287.8	7284.8	7296.7	7323.3	7323.3
10°	7510.0	7486.3	7498.1	7492.2	7471.4	7462.6	7459.6	7477.4	7501.1	7498.1
12.5°	7714.4	7687.7	7702.5	7684.7	7678.8	7669.9	7669.9	7667.0	7681.8	7669.9
15°	7942.5	7924.7	7930.6	7918.8	7927.7	7921.7	7898.0	7886.2	7892.1	7874.3
17.5°	8212.1	8170.6	8191.3	8185.4	8185.4	8197.3	8158.7	8143.9	8155.8	8138.0
20°	8523.1	8481.7	8490.5	8478.7	8463.9	8475.7	8428.3	8440.2	8449.1	8437.2
22.5°	8863.8	8810.5	8807.5	8813.5	8780.9	8783.8	8751.2	8780.9	8798.6	8766.1
25°	9213.4	9157.1	9195.6	9180.8	9139.3	9148.2	9124.5	9154.1	9169.0	9127.5
27.5°	9583.7	9545.2	9580.7	9589.6	9539.3	9574.8	9539.3	9565.9	9580.7	9518.5
30°	10016.2	9977.7	10010.3	10034.0	9974.8	10031.0	10001.4	10019.2	10022.2	9948.1
32.5°	10487.3	10428.0	10511.0	10522.8	10457.6	10525.8	10487.3	10511.0	10525.8	10425.1
35°	11062.0	10987.9	11082.7	11067.9	11011.6	11067.9	11032.4	11067.9	11103.5	10982.0
37.5°	11681.2	11604.1	11704.9	11678.2	11624.9	11663.4	11642.6	11666.3	11722.6	11592.3
40°	12362.5	12267.7	12404.0	12356.6	12306.3	12300.3	12312.2	12327.0	12401.1	12255.9
42.5°	13091.3	12990.6	13195.0	13120.9	13049.8	13002.4	13041.0	13070.6	13141.7	12978.7
45°	13923.8	13808.2	14074.9	13986.0	13873.4	13775.7	13837.9	13882.3	13986.0	13790.5
47.5°	14842.2	14711.8	14996.2	14969.5	14785.9	14572.6	14714.8	14842.2	14919.2	14682.2
50°	15739.8	15639.1	16012.3	16044.9	15819.8	15520.6	15719.1	15911.6	15932.4	15621.3
52.5°	16581.1	16480.4	17022.6	17227.0	17025.5	16670.0	16880.4	17075.9	16918.9	16516.0
55°	17253.6	17170.7	17860.9	18388.3	18456.4	18163.1	18287.6	18281.6	17766.1	17147.0
57.5°	17416.6	17404.7	18275.7	19392.6	20103.6	20139.1	19893.2	19265.2	18154.2	17321.8
60°	16675.9	16750.0	17946.9	19916.9	21812.9	22601.0	21537.4	19745.1	17712.8	16557.4
62.5°	14460.0	14655.5	16098.3	19277.0	23193.5	25433.1	22855.7	19016.3	15899.8	14391.9
65°	10362.8	10703.5	12297.4	16450.8	23069.0	27921.6	22666.1	16317.5	12415.9	10676.9
67.5°	4701.5	5048.1	6402.0	11263.4	20053.2	27246.2	20005.8	11381.9	6721.9	5065.9
70°	1703.4	1762.7	2198.2	4508.9	12815.8	21709.2	13363.9	4541.5	2337.4	1878.2
72.5°	1031.0	1039.8	1131.7	1614.6	4452.6	13180.2	4642.2	1667.9	1155.4	1025.0
75°	654.7	648.8	805.8	986.5	1579.0	4446.7	1656.0	986.5	802.8	731.7
77.5°	471.0	485.9	577.7	737.7	995.4	1507.9	977.6	705.1	577.7	474.0
80°	352.5	361.4	420.7	574.7	699.2	939.1	622.1	521.4	435.5	296.3
82.5°	254.8	254.8	275.5	417.7	426.6	506.6	337.7	367.4	287.4	210.3
85°	151.1	148.1	171.8	248.9	222.2	186.6	154.1	225.2	180.7	130.4
87.5°	53.3	56.3	53.3	71.1	59.3	50.4	47.4	62.2	50.4	44.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7027.1
7068.5
7166.3
7314.4
7492.2
7675.9
7877.3
8152.8
8463.9
8798.6
9174.9
9565.9
9992.5
10493.2
11056.1
11672.3
12303.3
13064.7
13891.2
14762.2
15659.8
16527.8
17167.7
17268.4
16421.2
14303.0
10549.5
4991.8
1854.5
1042.8
737.7
482.9
305.1
210.3
127.4
41.5
0.0

OF REPORT)