

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: P943850

Luminaire Tested: **GALN-SB8C-740-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943850
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-740-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 64806 lumens
Efficiency: N/A
Efficacy: 162.1 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

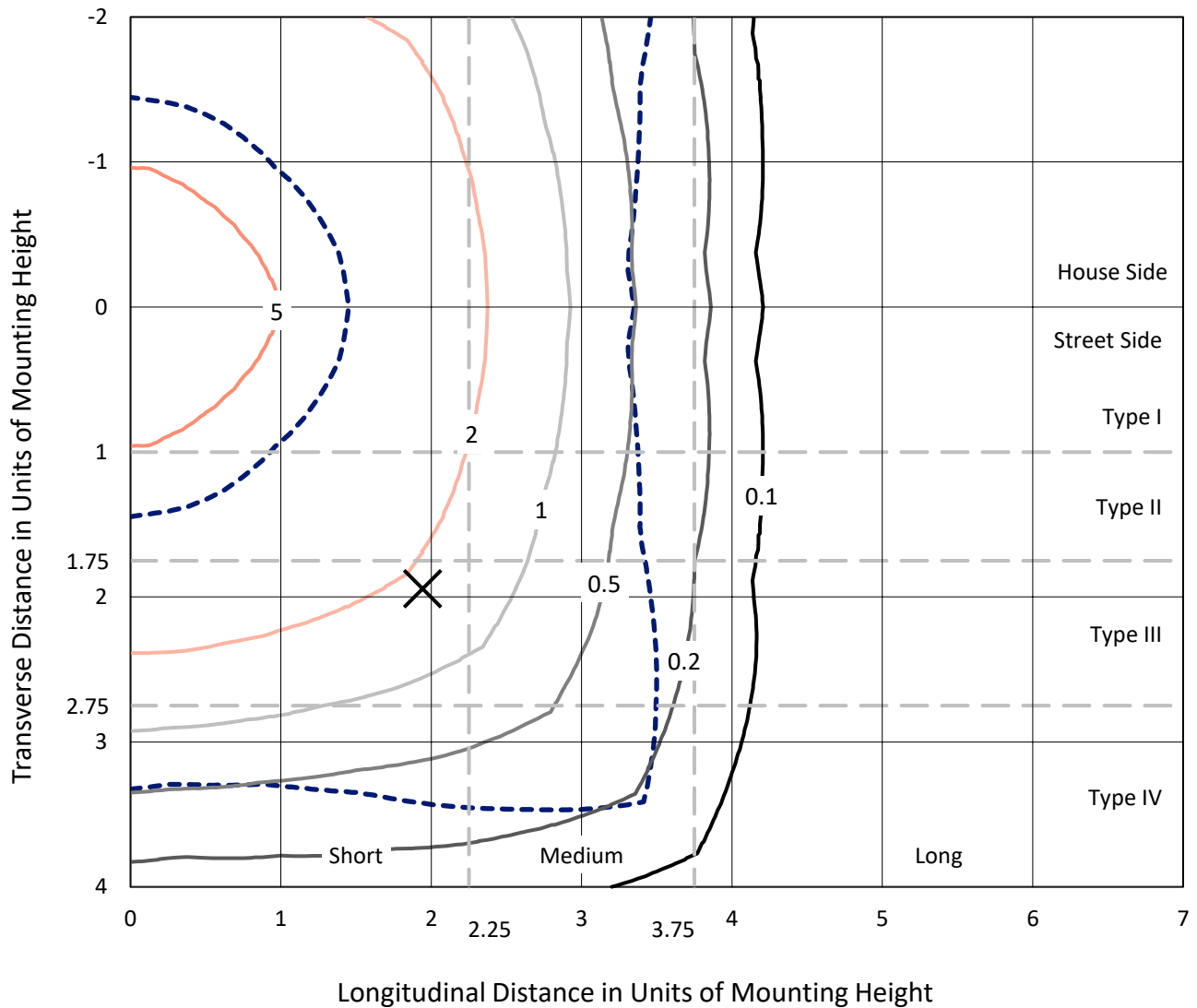
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P943850
 CATALOG NUMBER: GALN-SB8C-740-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

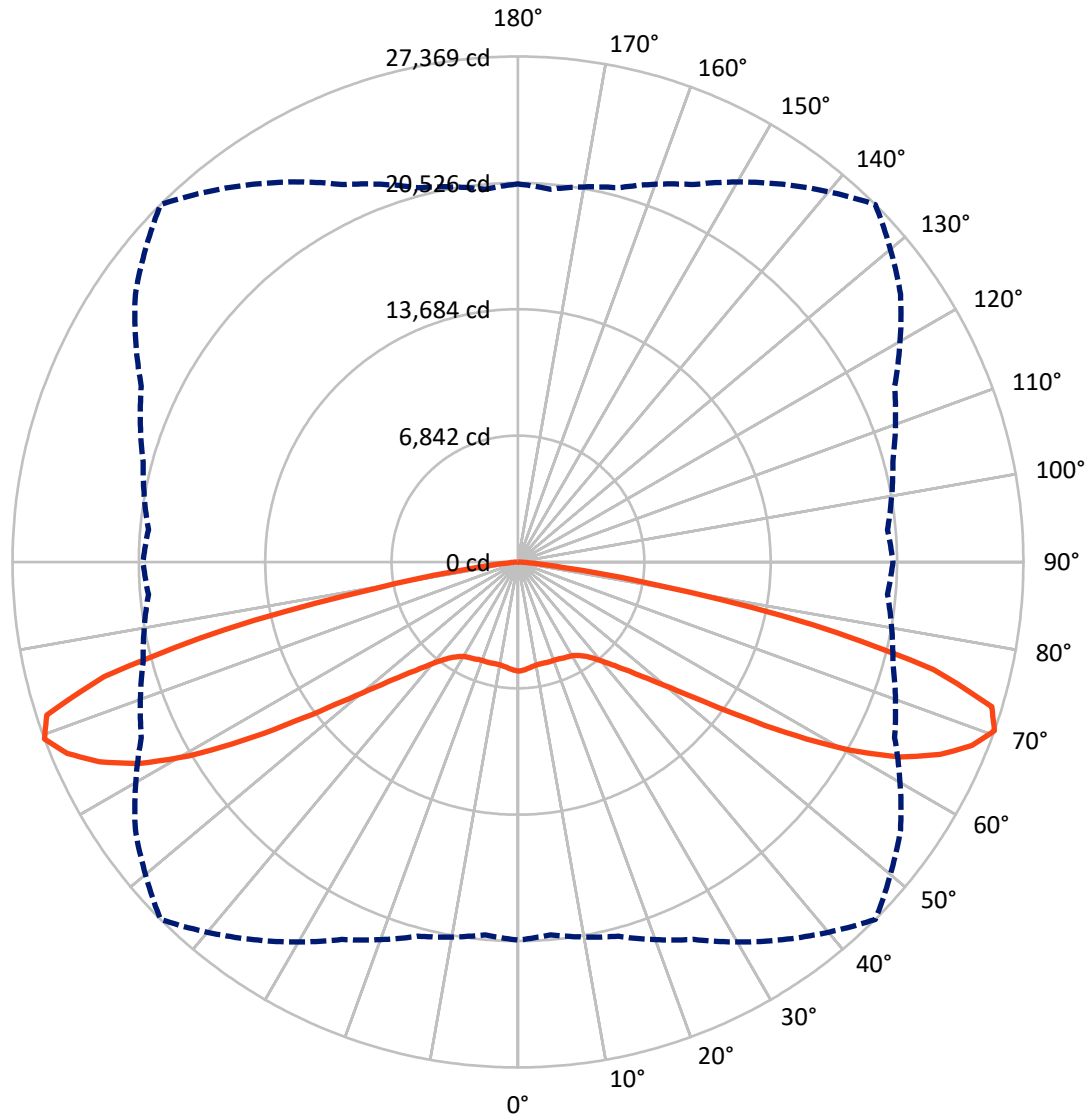
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type V - Short - N/A

REPORT NUMBER: P943850
CATALOG NUMBER: GALN-SB8C-740-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P943850
 CATALOG NUMBER: GALN-SB8C-740-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	32403.0	0.0	32403.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32403.0	0.0	32403.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	64806.0	0.0	64806.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.9	0.8
10°-20°	1614.7	2.5
20°-30°	2687.1	4.1
30°-40°	4063.7	6.3
40°-50°	6752.9	10.4
50°-60°	12742.5	19.7
60°-70°	21516.2	33.2
70°-80°	14138.4	21.8
80°-90°	740.7	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°	64806.0	100.0
0°-180°	64806.0	100.0

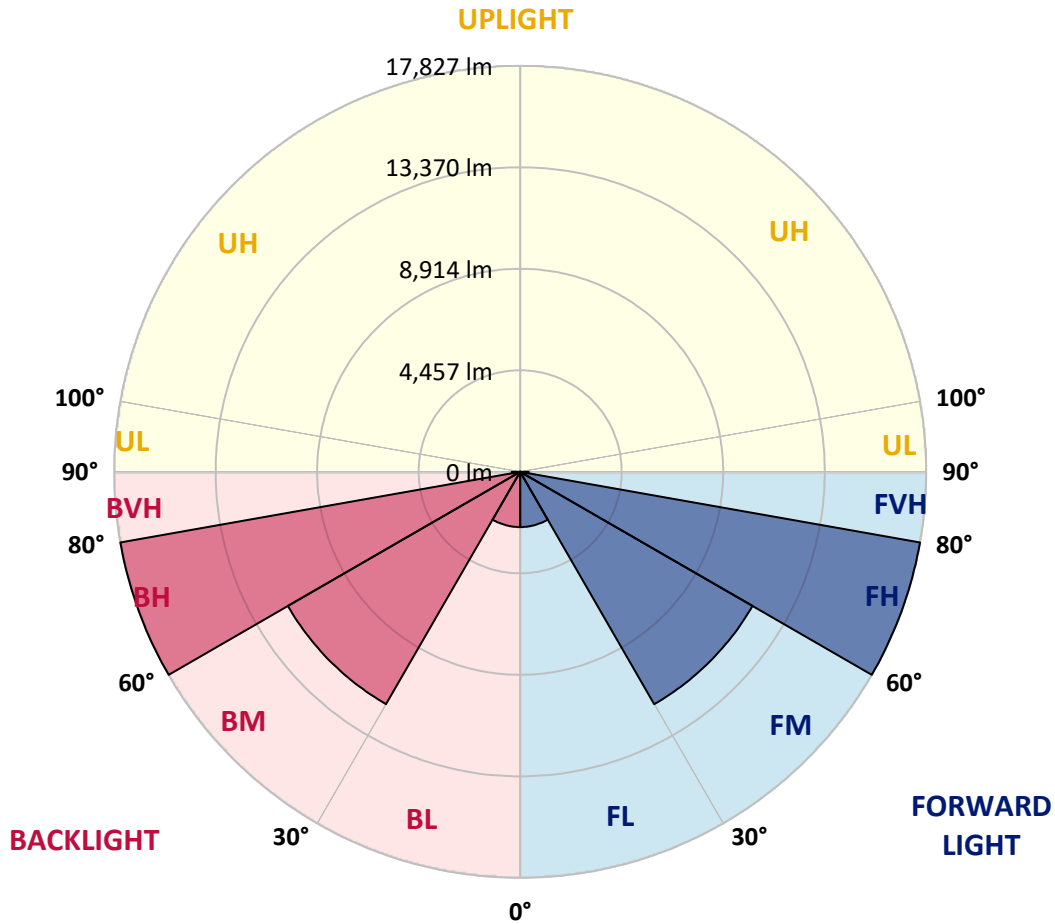


REPORT NUMBER: P943850
 CATALOG NUMBER: GALN-SB8C-740-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2425.9	3.7			
FM (30°-60°)	11779.5	18.2			
FH (60°-80°)	17827.3	27.5			G5
FVH (80°-90°)	370.4	0.6			G3/500
BL (0°-30°)	2425.9	3.7	B3/2500		
BM (30°-60°)	11779.5	18.2	B5		
BH (60°-80°)	17827.3	27.5	B5		G5
BVH (80°-90°)	370.4	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



REPORT NUMBER: P943850
 CATALOG NUMBER: GALN-SB8C-740-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5911.6	5911.6	5911.6	5911.6	5911.6	5911.6	5911.6	5911.6	5911.6	5911.6
2.5°	5874.6	5891.4	5884.7	5871.2	5871.2	5861.1	5871.2	5877.9	5888.0	5894.8
5°	5797.1	5810.6	5807.2	5797.1	5800.5	5790.3	5797.1	5807.2	5813.9	5817.3
7.5°	5729.7	5743.2	5736.5	5719.6	5719.6	5709.5	5712.9	5723.0	5733.1	5736.5
10°	5712.9	5726.3	5706.1	5679.2	5669.1	5655.6	5659.0	5669.1	5689.3	5699.4
12.5°	5719.6	5729.7	5709.5	5669.1	5659.0	5645.5	5645.5	5655.6	5682.6	5696.0
15°	5739.8	5749.9	5719.6	5675.8	5665.7	5655.6	5652.2	5665.7	5696.0	5719.6
17.5°	5776.9	5787.0	5739.8	5679.2	5665.7	5669.1	5665.7	5675.8	5723.0	5766.8
20°	5810.6	5817.3	5753.3	5679.2	5665.7	5669.1	5665.7	5685.9	5746.6	5807.2
22.5°	5820.7	5827.4	5766.8	5702.8	5692.7	5696.0	5692.7	5712.9	5770.1	5830.8
25°	5824.0	5834.1	5787.0	5736.5	5753.3	5760.0	5753.3	5756.7	5800.5	5854.3
27.5°	5874.6	5888.0	5844.2	5800.5	5810.6	5807.2	5817.3	5827.4	5861.1	5915.0
30°	5979.0	5989.1	5952.0	5908.2	5901.5	5877.9	5908.2	5941.9	5979.0	6026.1
32.5°	6150.8	6171.0	6123.8	6076.7	6046.3	6032.9	6056.5	6113.7	6164.2	6214.8
35°	6437.1	6450.6	6406.8	6319.2	6265.3	6265.3	6285.5	6359.6	6440.5	6504.5
37.5°	6841.3	6858.1	6780.7	6676.2	6595.4	6595.4	6622.4	6699.8	6821.1	6912.0
40°	7333.1	7356.7	7259.0	7151.2	7073.7	7060.2	7093.9	7181.5	7296.0	7410.6
42.5°	7925.9	7952.9	7824.9	7730.6	7669.9	7669.9	7686.8	7767.6	7872.0	8013.5
45°	8683.8	8731.0	8555.8	8461.5	8404.3	8417.7	8427.8	8498.6	8592.9	8754.6
47.5°	9586.6	9633.7	9448.5	9350.8	9340.7	9404.7	9364.3	9414.8	9465.3	9650.6
50°	10610.6	10691.4	10563.4	10556.7	10576.9	10694.8	10600.5	10627.4	10570.2	10688.1
52.5°	11863.6	11981.5	11958.0	11998.4	12224.1	12466.6	12251.0	12156.7	11941.1	11978.2
55°	13382.8	13561.3	13595.0	13837.6	14349.6	14844.7	14386.6	14006.0	13547.9	13463.7
57.5°	15110.8	15252.3	15414.0	15909.1	16865.8	17744.9	16865.8	16023.7	15302.8	15131.0
60°	16970.2	17145.4	17300.3	18031.3	19452.7	20689.0	19425.8	18088.5	17135.3	16902.8
62.5°	18967.7	19193.4	19301.2	20113.0	21770.2	23245.6	21793.8	20173.6	19115.9	18866.6
65°	20884.3	21069.6	21190.9	22056.5	23639.7	25118.5	23747.5	22150.9	21062.9	20736.1
67.5°	21777.0	21878.0	22174.4	23154.7	24825.4	26513.0	25108.4	23259.1	22043.1	21470.4
70°	20470.0	20264.5	20978.6	22548.3	24966.9	27368.6	25290.2	22501.2	21012.3	20082.6
72.5°	15818.2	15464.5	16704.1	19388.7	23350.0	26822.9	23511.7	19540.3	17475.5	15589.1
75°	8606.4	8205.5	9916.7	13312.1	18620.7	23249.0	19048.5	13692.7	11041.7	8542.4
77.5°	2428.6	2277.1	3658.1	6440.5	11200.1	16323.5	11631.2	6581.9	4338.6	2573.5
80°	744.4	720.8	976.8	1940.2	4756.2	7818.1	4571.0	1963.8	1243.0	784.8
82.5°	441.3	404.2	485.1	707.4	1212.6	2455.6	1179.0	737.7	592.8	397.5
85°	252.6	235.8	286.3	343.6	407.6	522.1	340.2	350.3	316.6	212.2
87.5°	104.4	94.3	111.2	107.8	94.3	121.3	90.9	107.8	128.0	84.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5911.6
5891.4
5817.3
5736.5
5699.4
5699.4
5723.0
5766.8
5810.6
5830.8
5851.0
5901.5
6016.0
6194.6
6480.9
6878.4
7373.5
8003.4
8747.8
9596.7
10617.3
11853.5
13332.3
15009.8
16700.7
18664.5
20574.4
21477.2
20305.0
16057.4
9098.2
2859.8
828.6
431.2
222.3
77.5
0.0

OF REPORT)