

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: P943820

Luminaire Tested: **GALN-SB8C-727-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943820
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-727-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56816 lumens
Efficiency: N/A
Efficacy: 142.1 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



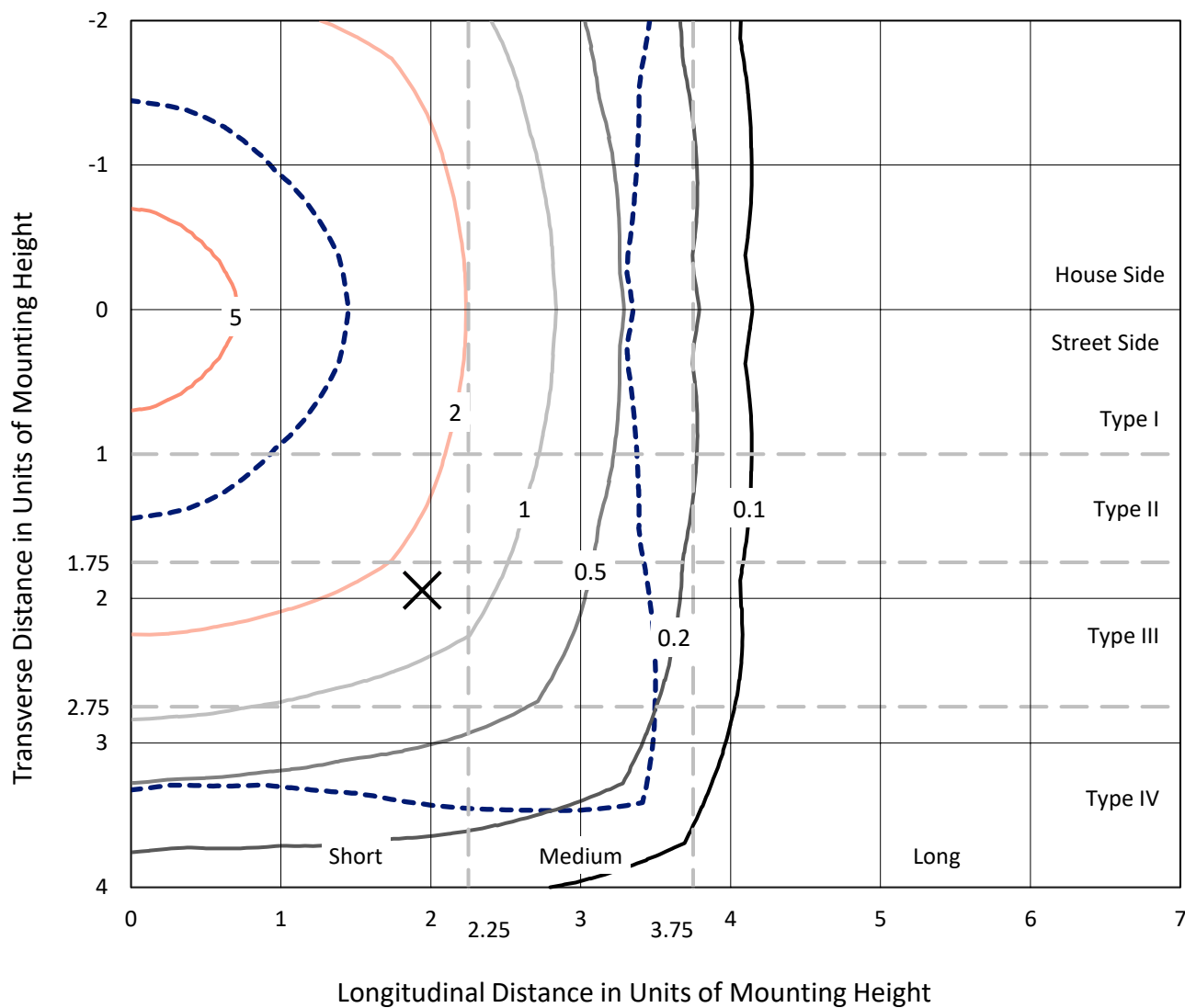
REPORT NUMBER: P943820

CATALOG NUMBER: GALN-SB8C-727-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

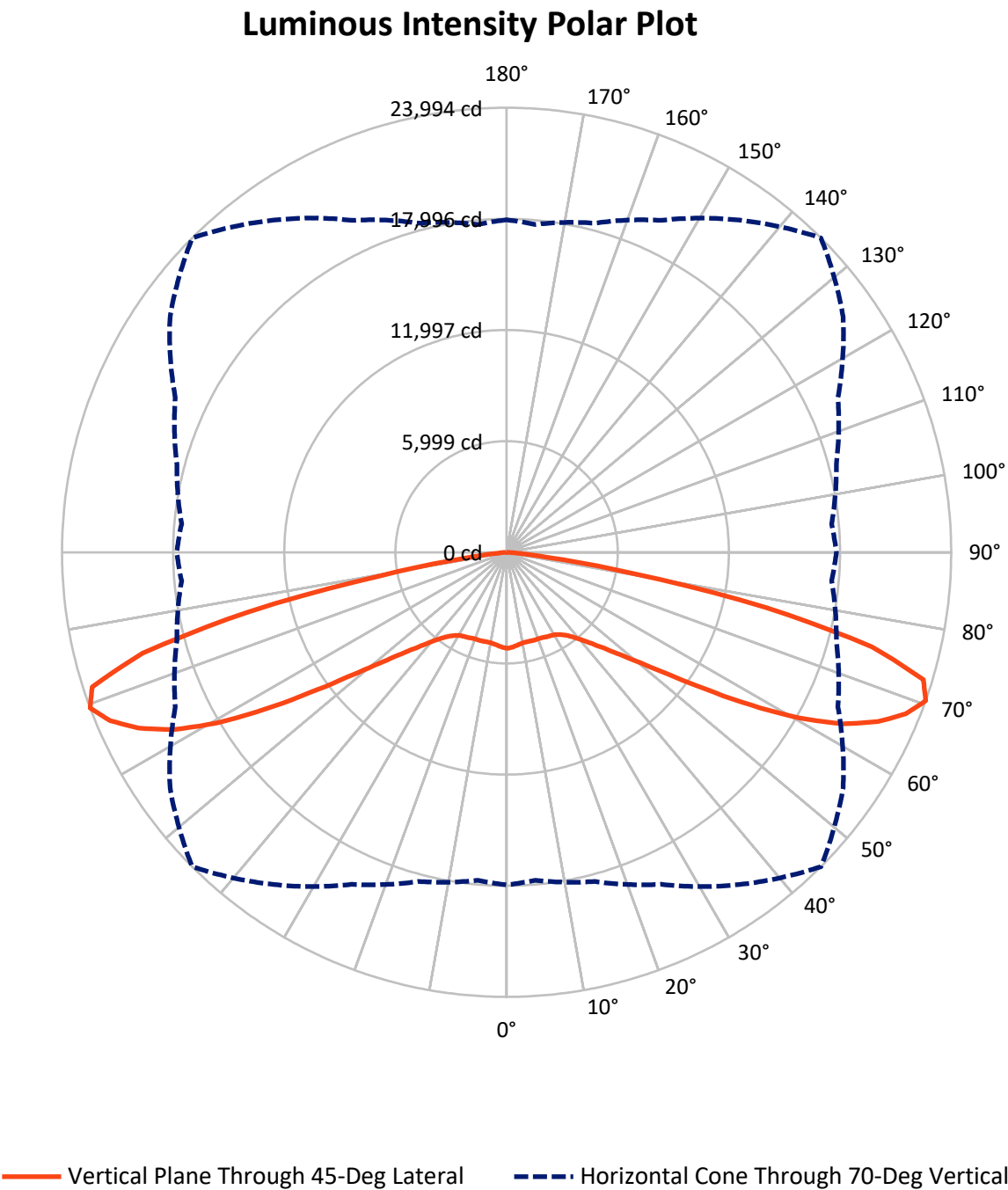
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc

Type V - Short - N/A

REPORT NUMBER: P943820
CATALOG NUMBER: GALN-SB8C-727-U-5WQ



REPORT NUMBER: P943820

CATALOG NUMBER: GALN-SB8C-727-U-5WQ

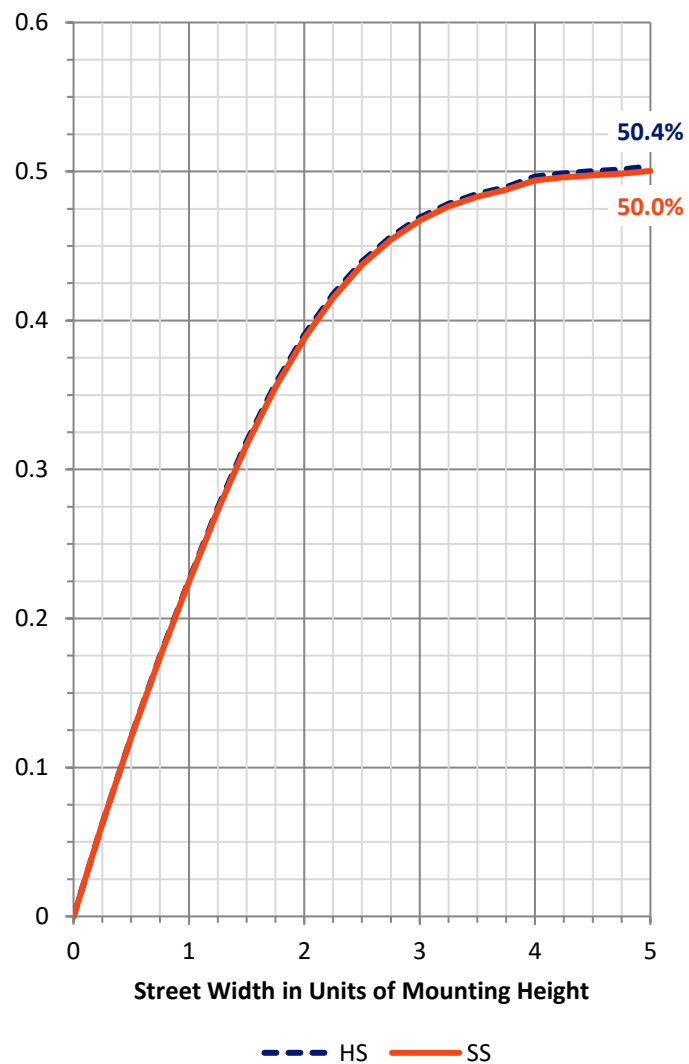
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28408.0	0.0	28408.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28408.0	0.0	28408.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	56816.0	0.0	56816.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.1	0.8
10°-20°	1415.6	2.5
20°-30°	2355.8	4.1
30°-40°	3562.7	6.3
40°-50°	5920.3	10.4
50°-60°	11171.4	19.7
60°-70°	18863.4	33.2
70°-80°	12395.2	21.8
80°-90°	649.4	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°	56816.0	100.0
0°-180°	56816.0	100.0

Coefficient of Utilization



REPORT NUMBER: P943820

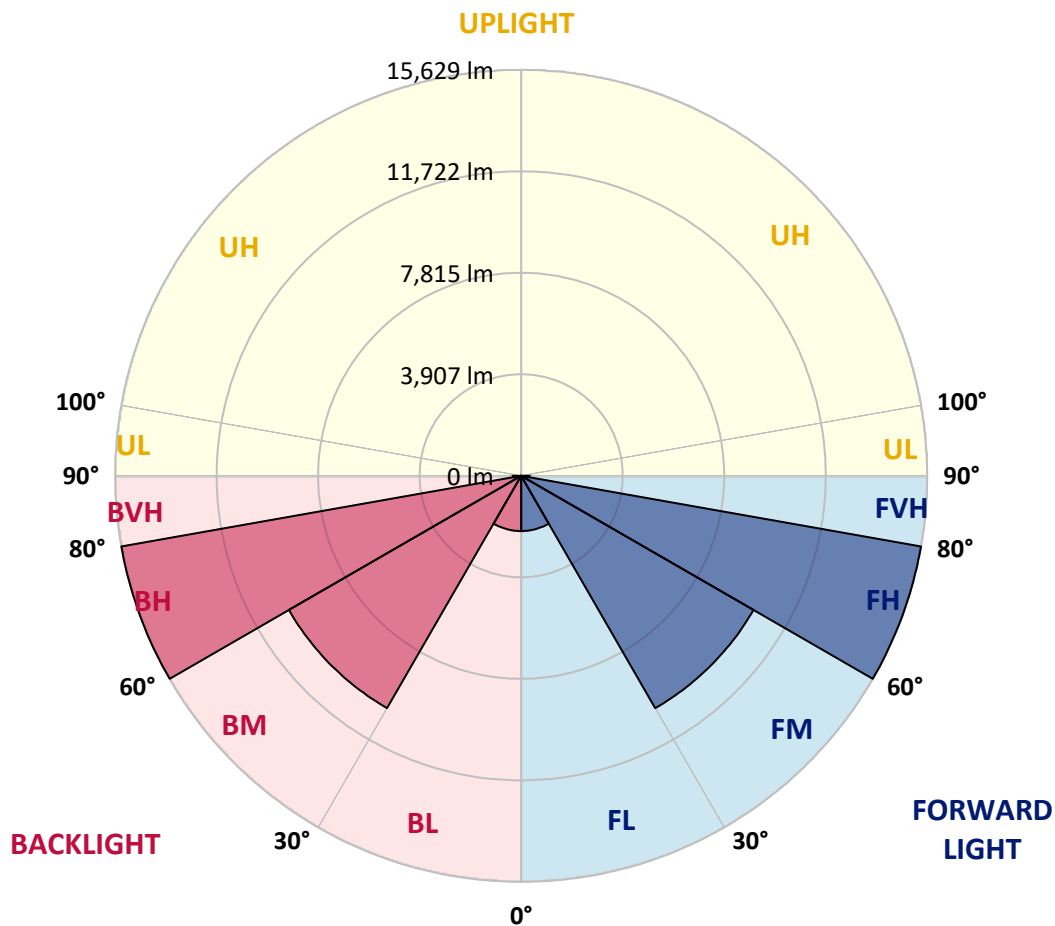
CATALOG NUMBER: GALN-SB8C-727-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2126.8	3.7			
FM	(30°-60°)	10327.2	18.2			
FH	(60°-80°)	15629.3	27.5			G5
FVH	(80°-90°)	324.7	0.6			G3/500
BL	(0°-30°)	2126.8	3.7	B3/2500		
BM	(30°-60°)	10327.2	18.2	B5		
BH	(60°-80°)	15629.3	27.5	B5		G5
BVH	(80°-90°)	324.7	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: P943820

CATALOG NUMBER: GALN-SB8C-727-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5182.8	5182.8	5182.8	5182.8	5182.8	5182.8	5182.8	5182.8	5182.8	5182.8	5182.8
2.5°	5150.3	5165.0	5159.1	5147.3	5147.3	5138.5	5147.3	5153.2	5162.1	5168.0	5165.0
5°	5082.4	5094.2	5091.2	5082.4	5085.3	5076.5	5082.4	5091.2	5097.1	5100.1	5100.1
7.5°	5023.3	5035.1	5029.2	5014.4	5014.4	5005.6	5008.5	5017.4	5026.2	5029.2	5029.2
10°	5008.5	5020.3	5002.6	4979.0	4970.1	4958.3	4961.3	4970.1	4987.9	4996.7	4996.7
12.5°	5014.4	5023.3	5005.6	4970.1	4961.3	4949.5	4949.5	4958.3	4981.9	4993.8	4996.7
15°	5032.2	5041.0	5014.4	4976.0	4967.2	4958.3	4955.4	4967.2	4993.8	5014.4	5017.4
17.5°	5064.6	5073.5	5032.2	4979.0	4967.2	4970.1	4967.2	4976.0	5017.4	5055.8	5055.8
20°	5094.2	5100.1	5044.0	4979.0	4967.2	4970.1	4967.2	4984.9	5038.1	5091.2	5094.2
22.5°	5103.0	5108.9	5055.8	4999.7	4990.8	4993.8	4990.8	5008.5	5058.7	5111.9	5111.9
25°	5106.0	5114.8	5073.5	5029.2	5044.0	5049.9	5044.0	5046.9	5085.3	5132.6	5129.6
27.5°	5150.3	5162.1	5123.7	5085.3	5094.2	5091.2	5100.1	5108.9	5138.5	5185.7	5173.9
30°	5241.8	5250.7	5218.2	5179.8	5173.9	5153.2	5179.8	5209.3	5241.8	5283.2	5274.3
32.5°	5392.4	5410.2	5368.8	5327.5	5300.9	5289.1	5309.7	5360.0	5404.2	5448.5	5430.8
35°	5643.5	5655.3	5616.9	5540.1	5492.8	5492.8	5510.6	5575.5	5646.4	5702.5	5681.8
37.5°	5997.8	6012.6	5944.7	5853.1	5782.3	5782.3	5805.9	5873.8	5980.1	6059.8	6030.3
40°	6429.0	6449.7	6364.0	6269.5	6201.6	6189.8	6219.3	6296.1	6396.5	6496.9	6464.4
42.5°	6948.7	6972.4	6860.1	6777.5	6724.3	6724.3	6739.1	6809.9	6901.5	7025.5	7016.7
45°	7613.2	7654.5	7501.0	7418.3	7368.1	7379.9	7388.8	7450.8	7533.5	7675.2	7669.3
47.5°	8404.6	8446.0	8283.6	8197.9	8189.1	8245.2	8209.7	8254.0	8298.3	8460.8	8413.5
50°	9302.4	9373.3	9261.1	9255.1	9272.9	9376.2	9293.5	9317.2	9267.0	9370.3	9308.3
52.5°	10401.0	10504.3	10483.7	10519.1	10717.0	10929.6	10740.6	10657.9	10468.9	10501.4	10392.1
55°	11732.8	11889.3	11918.9	12131.5	12580.4	13014.5	12612.9	12279.2	11877.5	11803.7	11688.5
57.5°	13247.8	13371.8	13513.6	13947.7	14786.4	15557.1	14786.4	14048.1	13416.1	13265.5	13159.2
60°	14877.9	15031.5	15167.3	15808.2	17054.4	18138.2	17030.8	15858.4	15022.6	14818.9	14641.7
62.5°	16629.1	16827.0	16921.5	17633.2	19086.2	20379.6	19106.8	17686.4	16759.1	16540.5	16363.4
65°	18309.5	18471.9	18578.2	19337.2	20725.1	22021.6	20819.6	19419.9	18466.0	18179.5	18037.8
67.5°	19092.1	19180.7	19440.5	20299.9	21764.7	23244.2	22012.7	20391.4	19325.4	18823.3	18829.2
70°	17946.2	17766.1	18392.2	19768.3	21888.7	23994.3	22172.2	19727.0	18421.7	17606.6	17801.5
72.5°	13868.0	13557.9	14644.6	16998.3	20471.2	23515.9	20612.9	17131.2	15320.9	13667.1	14077.6
75°	7545.3	7193.9	8694.0	11670.8	16325.0	20382.6	16700.0	12004.5	9680.4	7489.2	7976.4
77.5°	2129.2	1996.3	3207.1	5646.4	9819.2	14310.9	10197.2	5770.4	3803.6	2256.2	2507.2
80°	652.6	632.0	856.4	1701.0	4169.8	6854.2	4007.4	1721.7	1089.7	688.1	726.5
82.5°	386.9	354.4	425.3	620.2	1063.1	2152.8	1033.6	646.7	519.8	348.5	378.0
85°	221.5	206.7	251.0	301.2	357.3	457.7	298.3	307.1	277.6	186.0	194.9
87.5°	91.5	82.7	97.5	94.5	82.7	106.3	79.7	94.5	112.2	73.8	67.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)