

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: P939000

Luminaire Tested: **GALN-SB1B-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939000
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-SB1B-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3468 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

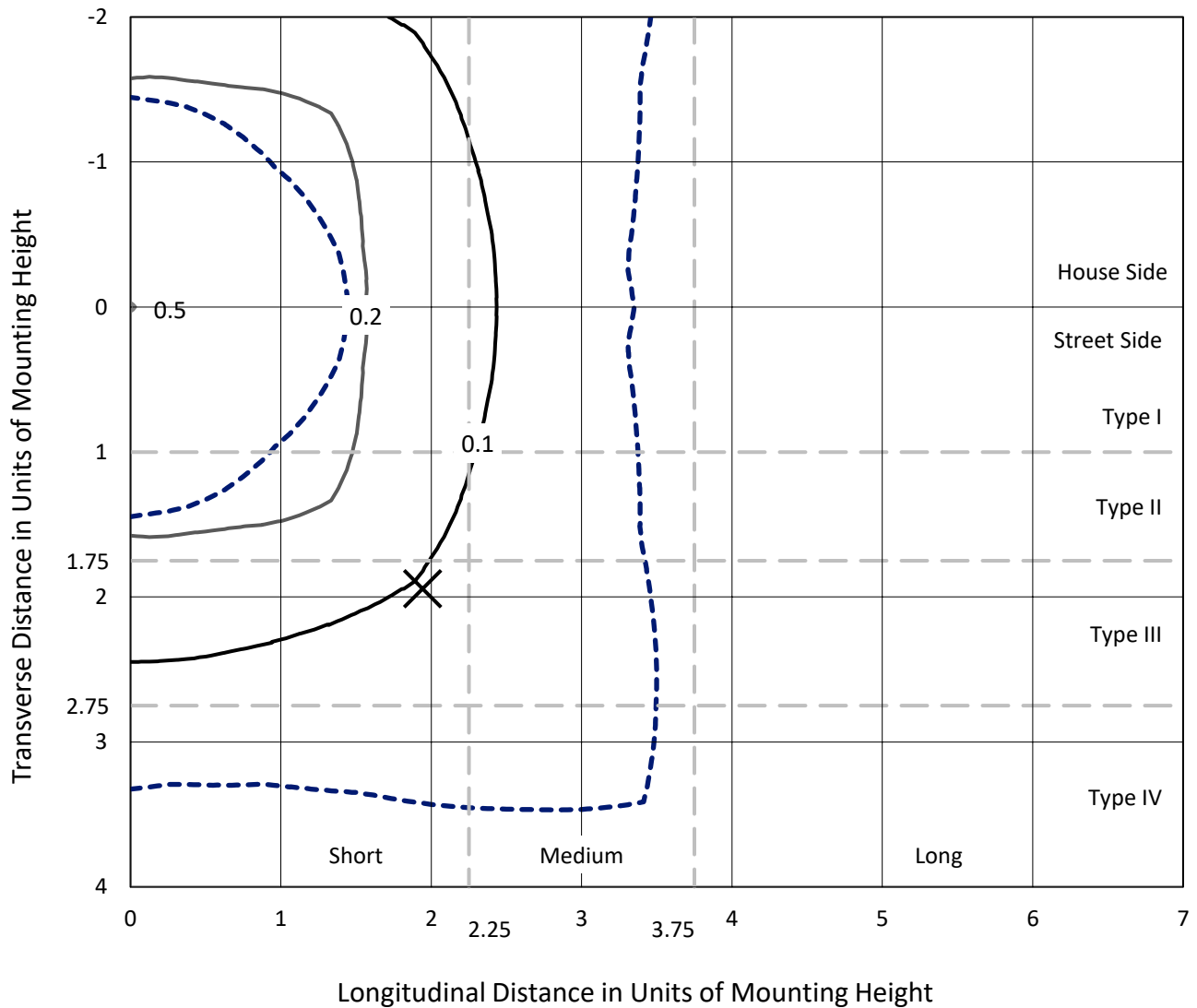
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P939000
 CATALOG NUMBER: GALN-SB1B-927-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

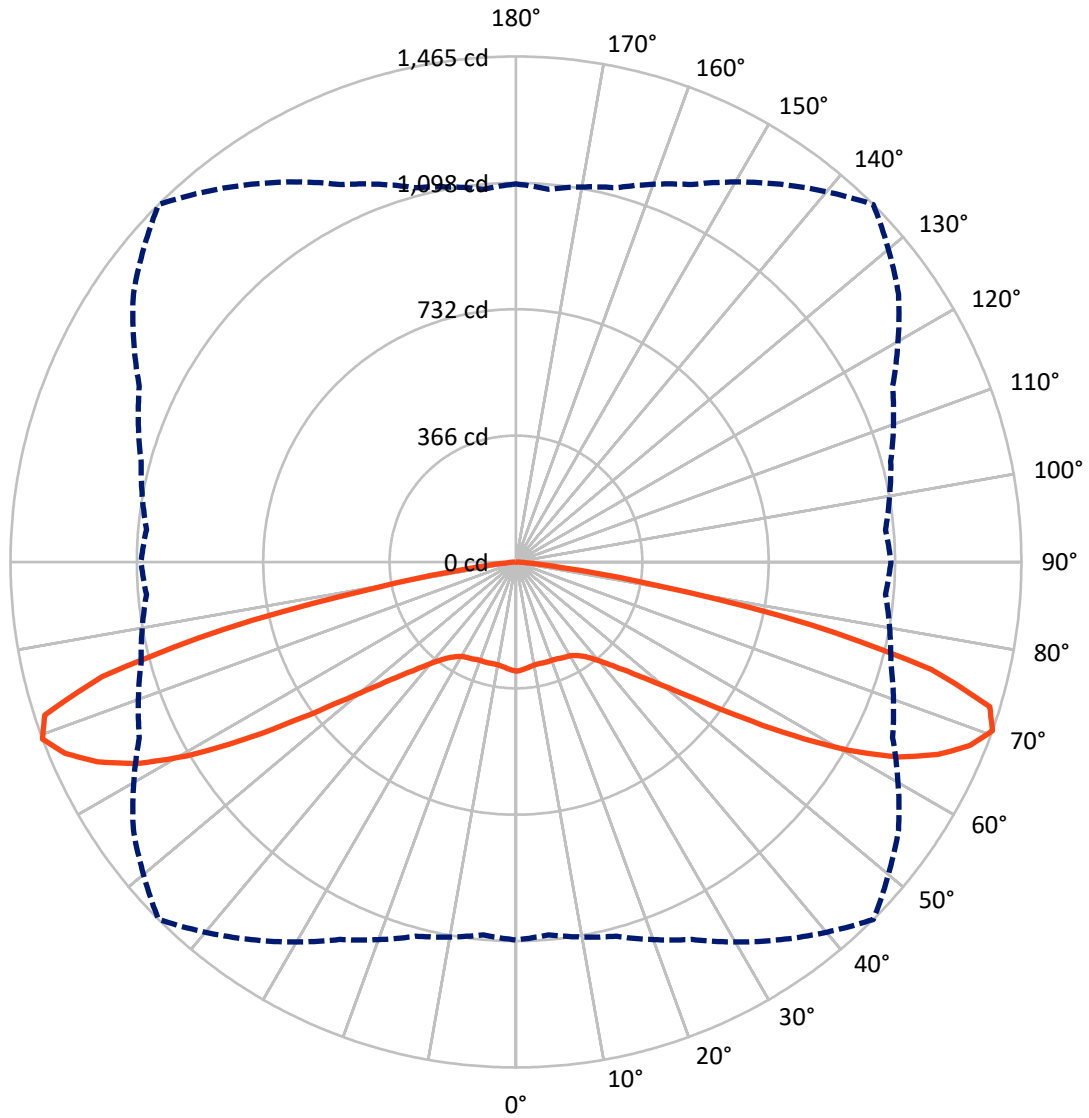
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

REPORT NUMBER: P939000
CATALOG NUMBER: GALN-SB1B-927-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P939000

CATALOG NUMBER: GALN-SB1B-927-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1734.0	0.0	1734.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1734.0	0.0	1734.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3468.0	0.0	3468.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.4	0.8
10°-20°	86.4	2.5
20°-30°	143.8	4.1
30°-40°	217.5	6.3
40°-50°	361.4	10.4
50°-60°	681.9	19.7
60°-70°	1151.4	33.2
70°-80°	756.6	21.8
80°-90°	39.6	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°	3468.0	100.0
0°-180°	3468.0	100.0

Coefficient of Utilization



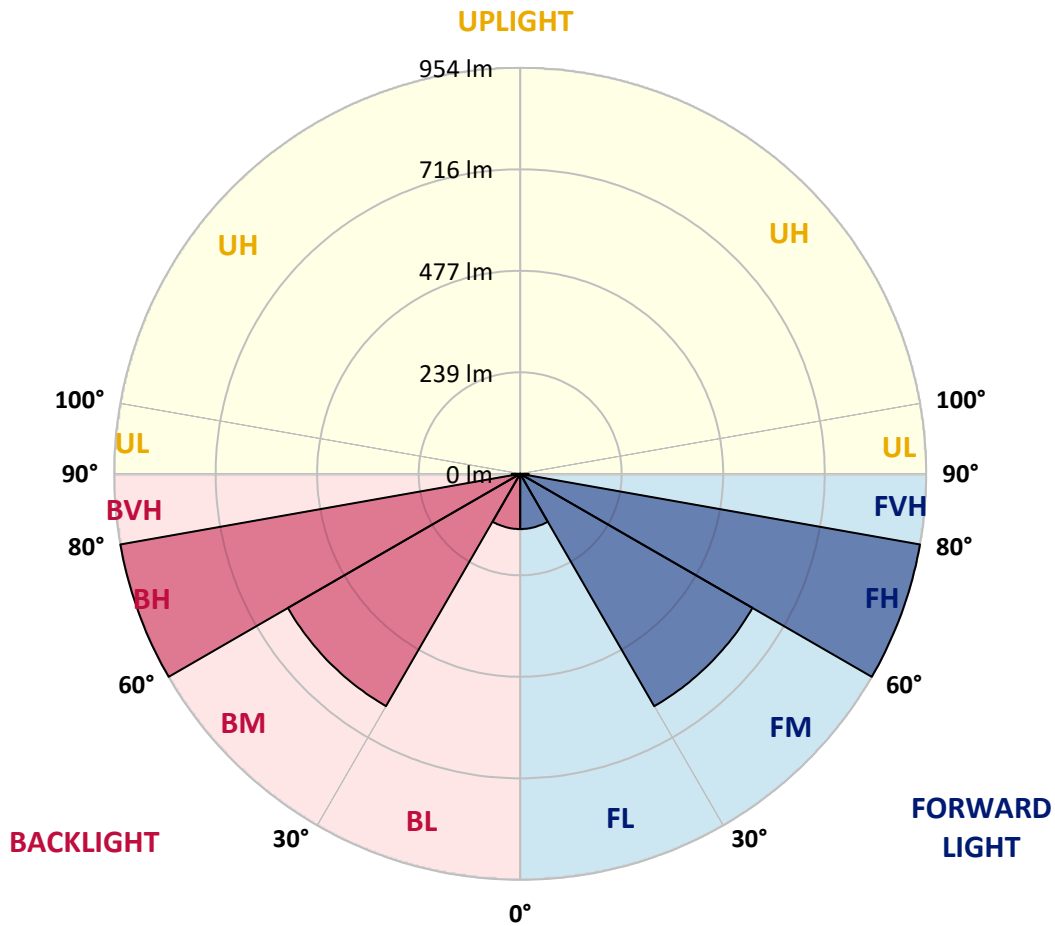
REPORT NUMBER: P939000
 CATALOG NUMBER: GALN-SB1B-927-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.8	3.7			
FM (30°-60°)	630.4	18.2			
FH (60°-80°)	954.0	27.5			G1/1800
FVH (80°-90°)	19.8	0.6			G1/100
BL (0°-30°)	129.8	3.7	B1/500		
BM (30°-60°)	630.4	18.2	B1/1000		
BH (60°-80°)	954.0	27.5	B2/1000		G1/1800
BVH (80°-90°)	19.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



REPORT NUMBER: P939000

CATALOG NUMBER: GALN-SB1B-927-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4	316.4
2.5°	314.4	315.3	314.9	314.2	314.2	313.6	314.2	314.5	315.1	315.5
5°	310.2	310.9	310.8	310.2	310.4	309.9	310.2	310.8	311.1	311.3
7.5°	306.6	307.3	307.0	306.1	306.1	305.5	305.7	306.3	306.8	307.0
10°	305.7	306.4	305.4	303.9	303.4	302.7	302.8	303.4	304.5	305.0
12.5°	306.1	306.6	305.5	303.4	302.8	302.1	302.1	302.7	304.1	304.8
15°	307.2	307.7	306.1	303.7	303.2	302.7	302.5	303.2	304.8	306.1
17.5°	309.1	309.7	307.2	303.9	303.2	303.4	303.2	303.7	306.3	308.6
20°	310.9	311.3	307.9	303.9	303.2	303.4	303.2	304.3	307.5	310.8
22.5°	311.5	311.8	308.6	305.2	304.6	304.8	304.6	305.7	308.8	312.0
25°	311.7	312.2	309.7	307.0	307.9	308.2	307.9	308.1	310.4	313.3
27.5°	314.4	315.1	312.7	310.4	310.9	310.8	311.3	311.8	313.6	316.5
30°	320.0	320.5	318.5	316.2	315.8	314.5	316.2	318.0	320.0	322.5
32.5°	329.1	330.2	327.7	325.2	323.6	322.8	324.1	327.2	329.9	332.6
35°	344.5	345.2	342.8	338.2	335.3	335.3	336.4	340.3	344.7	348.1
37.5°	366.1	367.0	362.9	357.3	352.9	352.9	354.4	358.5	365.0	369.9
40°	392.4	393.7	388.5	382.7	378.5	377.8	379.6	384.3	390.4	396.6
42.5°	424.1	425.6	418.7	413.7	410.4	410.4	411.3	415.7	421.3	428.8
45°	464.7	467.2	457.9	452.8	449.7	450.5	451.0	454.8	459.8	468.5
47.5°	513.0	515.5	505.6	500.4	499.9	503.3	501.1	503.8	506.5	516.4
50°	567.8	572.1	565.3	564.9	566.0	572.3	567.3	568.7	565.6	572.0
52.5°	634.9	641.2	639.9	642.1	654.2	667.1	655.6	650.5	639.0	641.0
55°	716.2	725.7	727.5	740.5	767.9	794.4	769.9	749.5	725.0	720.5
57.5°	808.6	816.2	824.9	851.4	902.5	949.6	902.5	857.5	818.9	809.7
60°	908.1	917.5	925.8	964.9	1041.0	1107.1	1039.5	968.0	917.0	904.5
62.5°	1015.0	1027.1	1032.9	1076.3	1165.0	1244.0	1166.3	1079.6	1023.0	1009.6
65°	1117.6	1127.5	1134.0	1180.3	1265.0	1344.2	1270.8	1185.4	1127.1	1109.7
67.5°	1165.4	1170.8	1186.6	1239.1	1328.5	1418.8	1343.6	1244.7	1179.6	1149.0
70°	1095.4	1084.4	1122.6	1206.6	1336.1	1464.6	1353.4	1204.1	1124.4	1074.7
72.5°	846.5	827.6	893.9	1037.6	1249.5	1435.4	1258.2	1045.7	935.2	834.2
75°	460.6	439.1	530.7	712.4	996.5	1244.1	1019.4	732.7	590.9	457.1
77.5°	130.0	121.9	195.8	344.7	599.4	873.5	622.4	352.2	232.2	137.7
80°	39.8	38.6	52.3	103.8	254.5	418.4	244.6	105.1	66.5	42.0
82.5°	23.6	21.6	26.0	37.9	64.9	131.4	63.1	39.5	31.7	21.3
85°	13.5	12.6	15.3	18.4	21.8	27.9	18.2	18.7	16.9	11.4
87.5°	5.6	5.0	5.9	5.8	5.0	6.5	4.9	5.8	6.8	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
316.4
315.3
311.3
307.0
305.0
305.0
306.3
308.6
310.9
312.0
313.1
315.8
321.9
331.5
346.8
368.1
394.6
428.3
468.1
513.6
568.2
634.3
713.5
803.2
893.7
998.8
1101.0
1149.3
1086.6
859.3
486.9
153.0
44.3
23.1
11.9
4.1
0.0

OF REPORT)