

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: P938830

Luminaire Tested: **GALN-SB1A-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938830
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-SB1A-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2763 lumens
Efficiency: N/A
Efficacy: 89.4 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

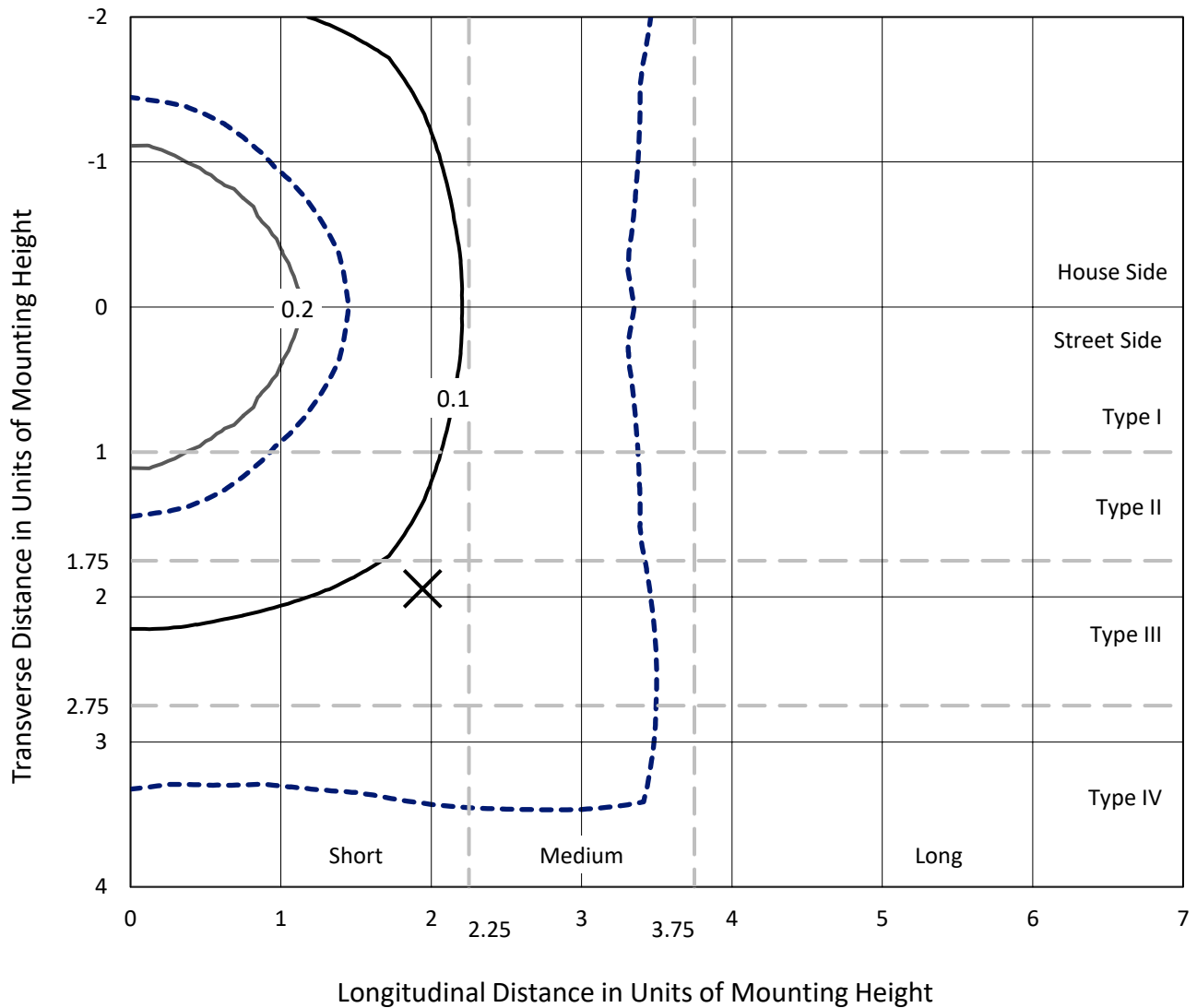
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

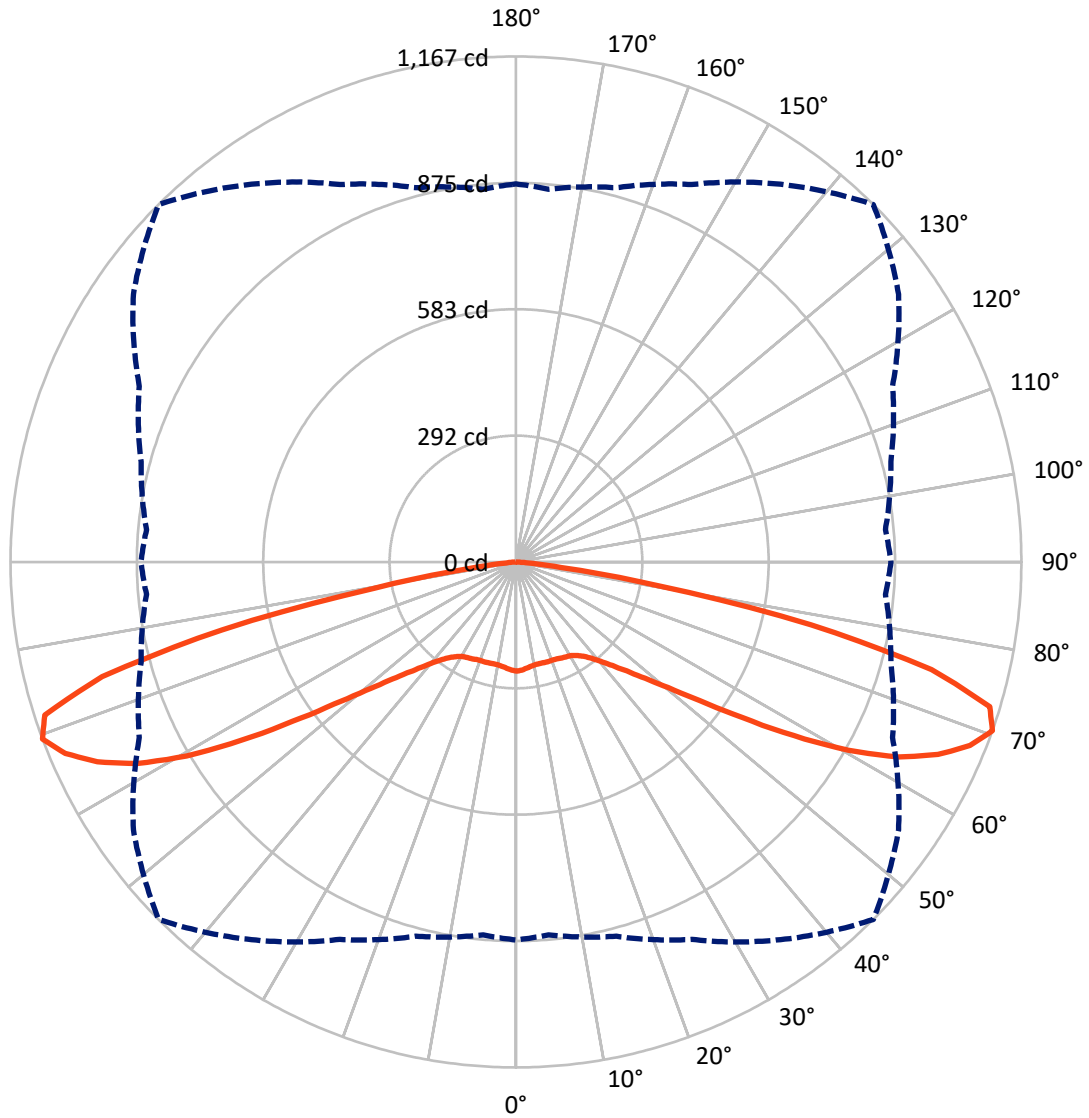
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1381.5	0.0	1381.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1381.5	0.0	1381.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2763.0	0.0	2763.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.4	0.8
10°-20°	68.8	2.5
20°-30°	114.6	4.1
30°-40°	173.3	6.3
40°-50°	287.9	10.4
50°-60°	543.3	19.7
60°-70°	917.3	33.2
70°-80°	602.8	21.8
80°-90°	31.6	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°	2763.0	100.0
0°-180°	2763.0	100.0

Coefficient of Utilization



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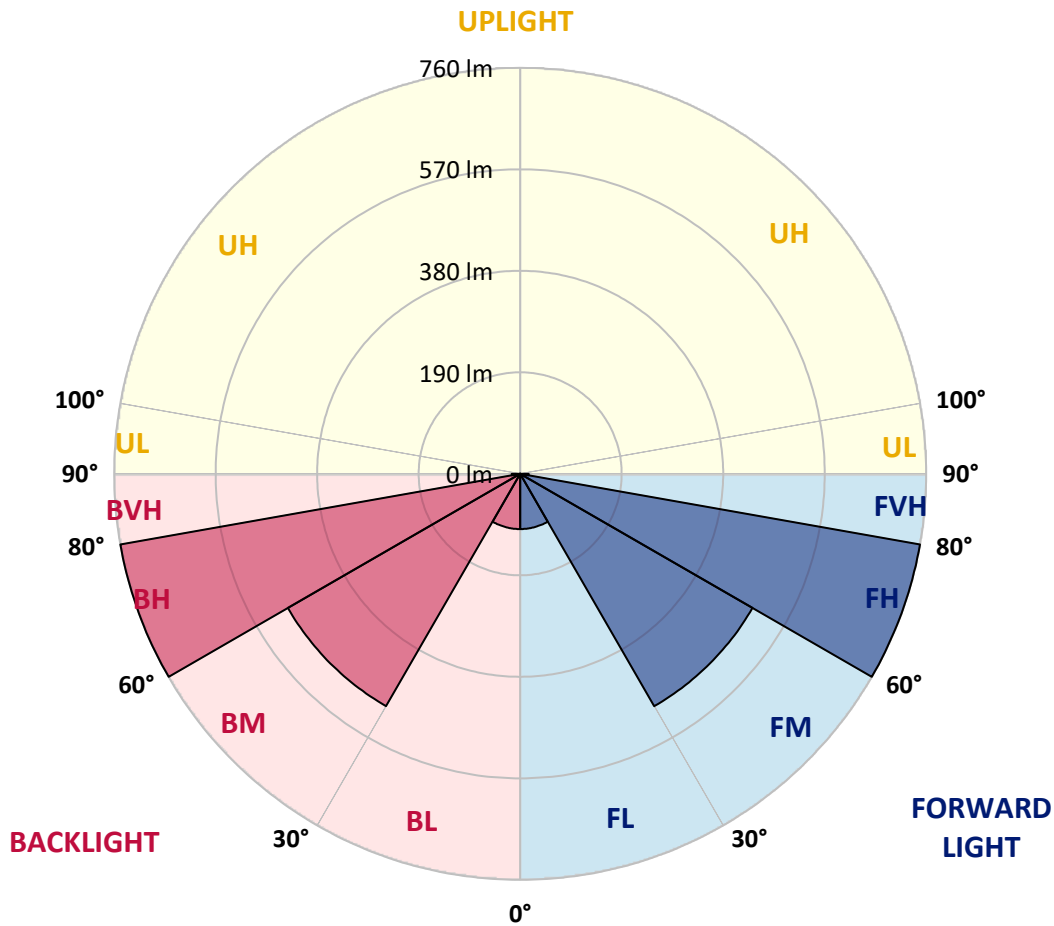
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	103.4	3.7			
FM (30°-60°)	502.2	18.2			
FH (60°-80°)	760.1	27.5			G1/1800
FVH (80°-90°)	15.8	0.6			G1/100
BL (0°-30°)	103.4	3.7	B0/110		
BM (30°-60°)	502.2	18.2	B1/1000		
BH (60°-80°)	760.1	27.5	B2/1000		G1/1800
BVH (80°-90°)	15.8	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0
2.5°	250.5	251.2	250.9	250.3	250.3	249.9	250.3	250.6	251.0	251.3
5°	247.2	247.7	247.6	247.2	247.3	246.9	247.2	247.6	247.9	248.0
7.5°	244.3	244.9	244.6	243.9	243.9	243.4	243.6	244.0	244.4	244.6
10°	243.6	244.1	243.3	242.1	241.7	241.1	241.3	241.7	242.6	243.0
12.5°	243.9	244.3	243.4	241.7	241.3	240.7	240.7	241.1	242.3	242.8
15°	244.7	245.1	243.9	242.0	241.6	241.1	241.0	241.6	242.8	243.9
17.5°	246.3	246.7	244.7	242.1	241.6	241.7	241.6	242.0	244.0	245.9
20°	247.7	248.0	245.3	242.1	241.6	241.7	241.6	242.4	245.0	247.6
22.5°	248.2	248.5	245.9	243.1	242.7	242.8	242.7	243.6	246.0	248.6
25°	248.3	248.7	246.7	244.6	245.3	245.6	245.3	245.4	247.3	249.6
27.5°	250.5	251.0	249.2	247.3	247.7	247.6	248.0	248.5	249.9	252.2
30°	254.9	255.3	253.8	251.9	251.6	250.6	251.9	253.3	254.9	256.9
32.5°	262.2	263.1	261.1	259.1	257.8	257.2	258.2	260.7	262.8	265.0
35°	274.4	275.0	273.2	269.4	267.1	267.1	268.0	271.1	274.6	277.3
37.5°	291.7	292.4	289.1	284.6	281.2	281.2	282.3	285.6	290.8	294.7
40°	312.6	313.7	309.5	304.9	301.6	301.0	302.4	306.2	311.1	315.9
42.5°	337.9	339.1	333.6	329.6	327.0	327.0	327.7	331.2	335.6	341.7
45°	370.2	372.2	364.8	360.8	358.3	358.9	359.3	362.3	366.4	373.3
47.5°	408.7	410.7	402.8	398.7	398.2	401.0	399.2	401.4	403.6	411.5
50°	452.4	455.8	450.4	450.1	450.9	456.0	452.0	453.1	450.7	455.7
52.5°	505.8	510.8	509.8	511.6	521.2	531.5	522.3	518.3	509.1	510.7
55°	570.6	578.2	579.6	590.0	611.8	632.9	613.4	597.1	577.6	574.0
57.5°	644.2	650.3	657.2	678.3	719.1	756.6	719.1	683.2	652.4	645.1
60°	723.5	731.0	737.6	768.8	829.4	882.1	828.2	771.2	730.6	720.7
62.5°	808.7	818.3	822.9	857.5	928.2	991.1	929.2	860.1	815.0	804.4
65°	890.4	898.3	903.5	940.4	1007.9	1070.9	1012.5	944.4	898.0	884.1
67.5°	928.5	932.8	945.4	987.2	1058.4	1130.4	1070.5	991.6	939.8	915.4
70°	872.7	864.0	894.4	961.3	1064.5	1166.9	1078.2	959.3	895.9	856.2
72.5°	674.4	659.3	712.2	826.6	995.5	1143.6	1002.4	833.1	745.1	664.6
75°	366.9	349.8	422.8	567.6	793.9	991.2	812.1	583.8	470.8	364.2
77.5°	103.5	97.1	156.0	274.6	477.5	695.9	495.9	280.6	185.0	109.7
80°	31.7	30.7	41.6	82.7	202.8	333.3	194.9	83.7	53.0	33.5
82.5°	18.8	17.2	20.7	30.2	51.7	104.7	50.3	31.5	25.3	16.9
85°	10.8	10.1	12.2	14.6	17.4	22.3	14.5	14.9	13.5	9.0
87.5°	4.5	4.0	4.7	4.6	4.0	5.2	3.9	4.6	5.5	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
252.0
251.2
248.0
244.6
243.0
243.0
244.0
245.9
247.7
248.6
249.5
251.6
256.5
264.1
276.3
293.3
314.4
341.2
373.0
409.2
452.7
505.4
568.4
639.9
712.0
795.8
877.2
915.7
865.7
684.6
387.9
121.9
35.3
18.4
9.5
3.3
0.0

OF REPORT)