

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: P945082

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

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945082  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
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-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2860 lumens  
Efficiency: N/A  
Efficacy: 92.6 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

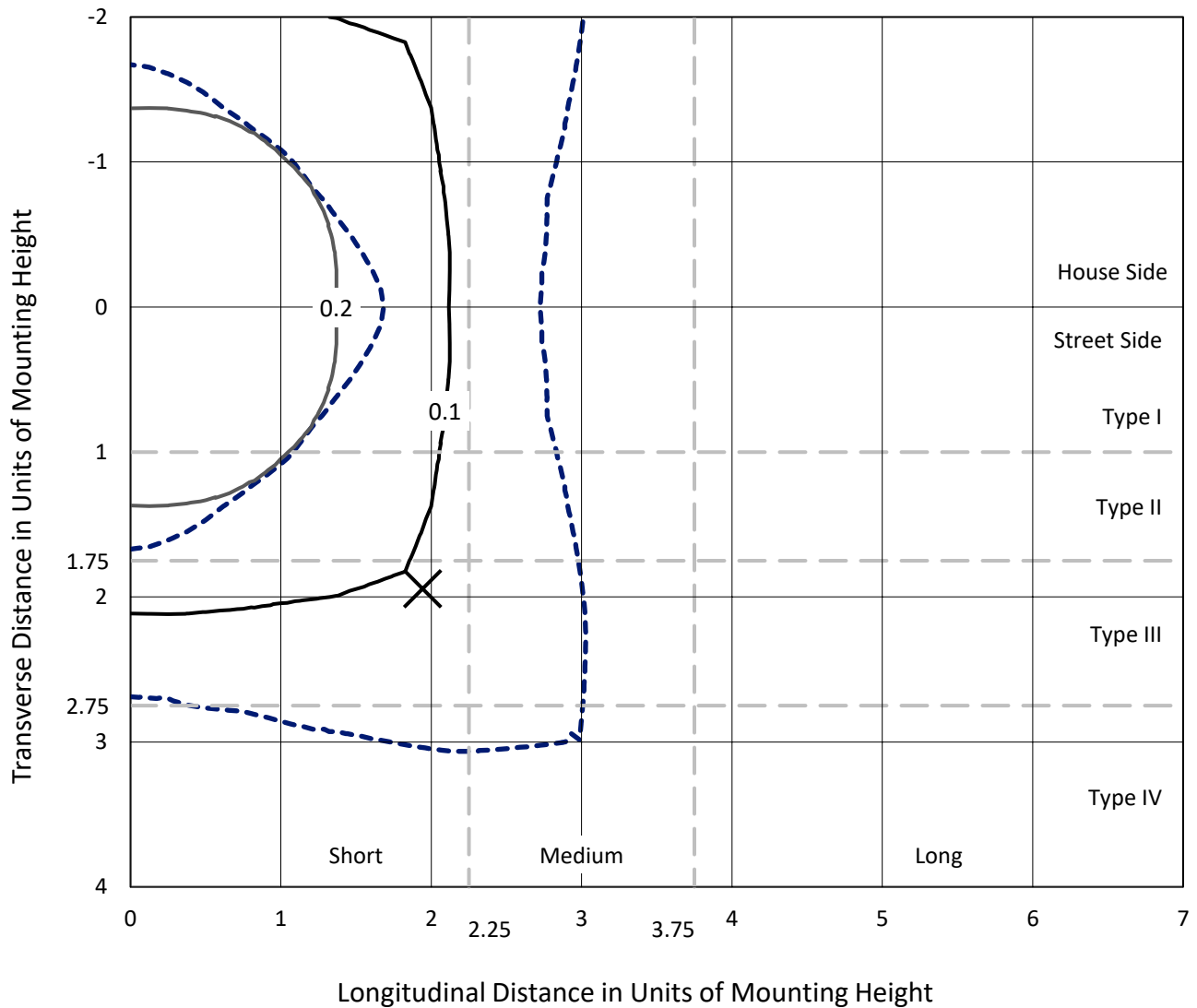
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

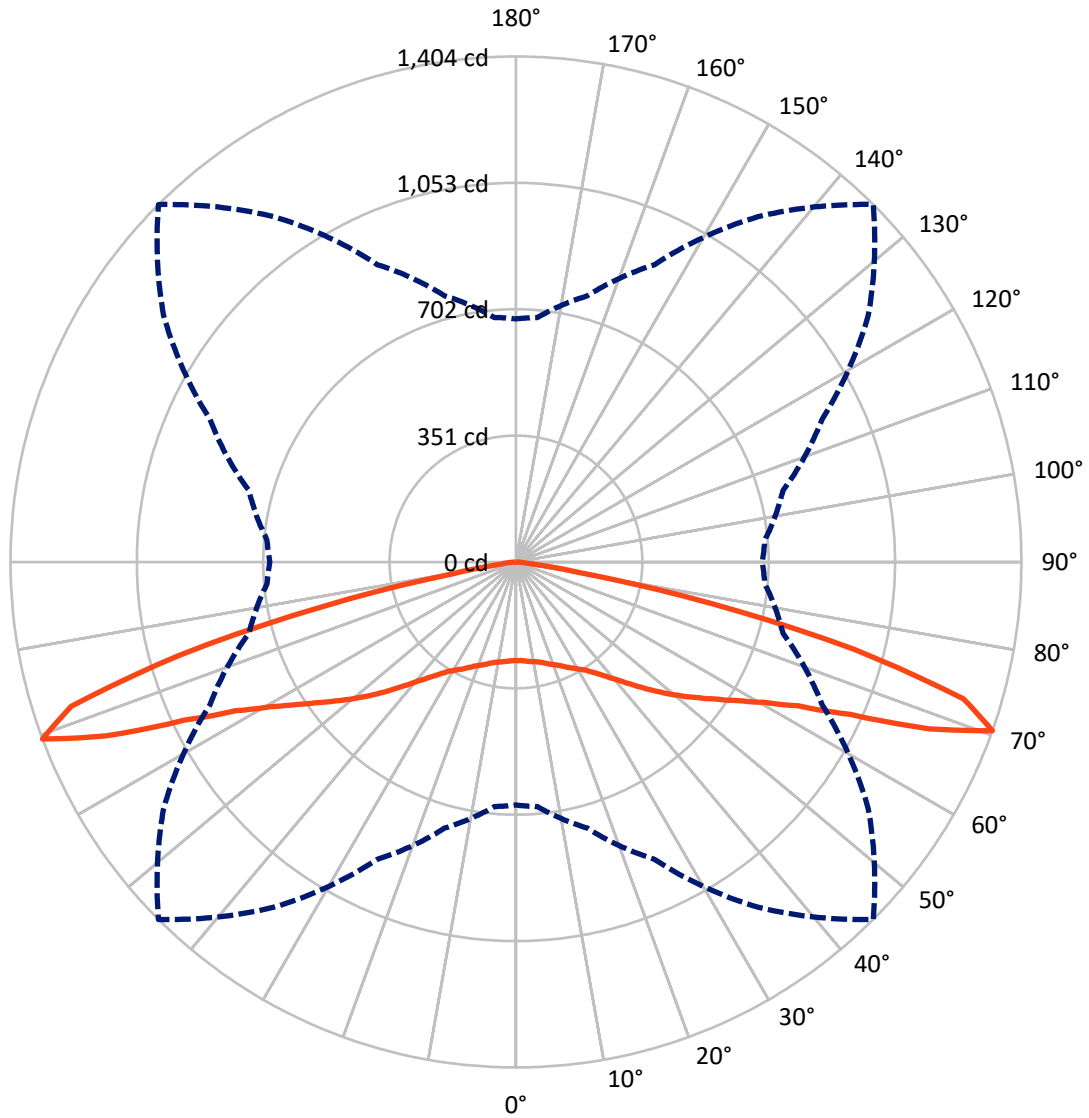
× Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	1430.0	0.0	1430.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1430.0	0.0	1430.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2860.0	0.0	2860.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.6	0.9
10°-20°	82.5	2.9
20°-30°	147.5	5.2
30°-40°	239.1	8.4
40°-50°	389.4	13.6
50°-60°	593.7	20.8
60°-70°	883.3	30.9
70°-80°	481.4	16.8
80°-90°	16.4	0.6
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°	2860.0	100.0
0°-180°	2860.0	100.0

**Coefficient of Utilization**



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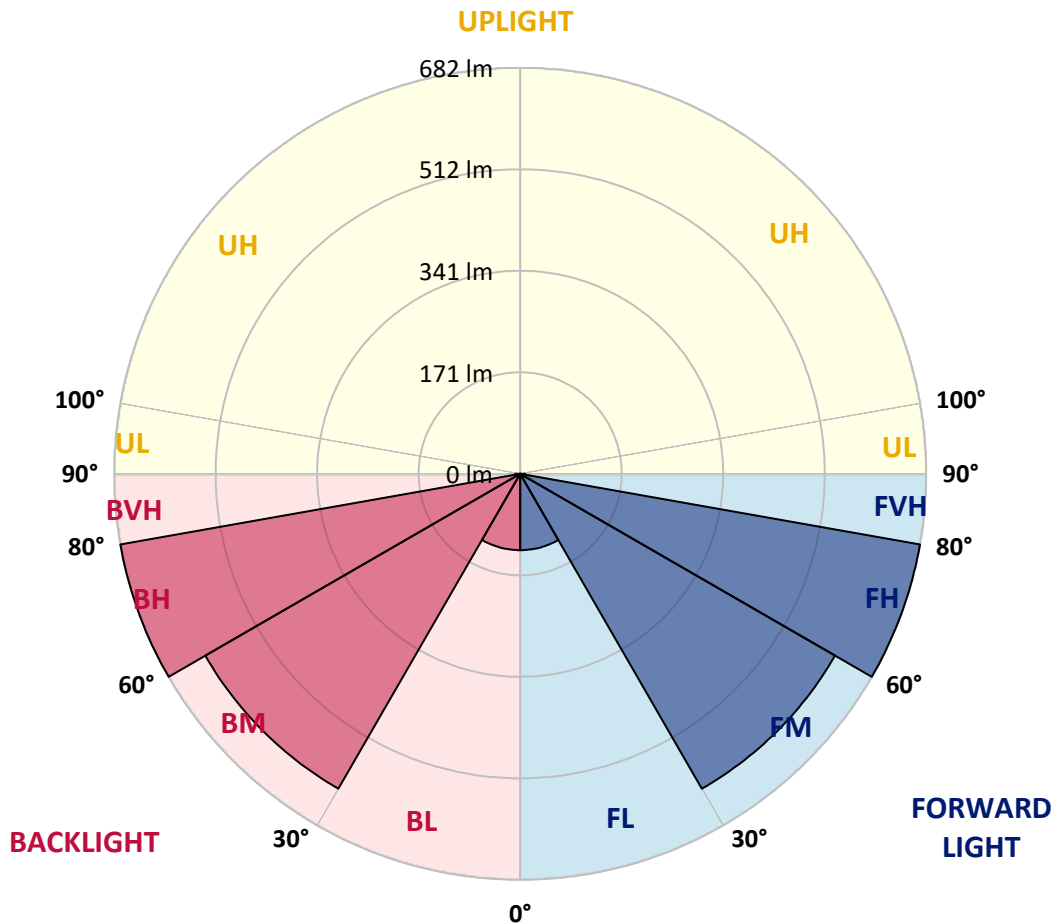
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	128.3	4.5			
FM (30°-60°)	611.1	21.4			
FH (60°-80°)	682.4	23.9			G1/1800
FVH (80°-90°)	8.2	0.3			G0/10
BL (0°-30°)	128.3	4.5	B1/500		
BM (30°-60°)	611.1	21.4	B1/1000		
BH (60°-80°)	682.4	23.9	B2/1000		G1/1800
BVH (80°-90°)	8.2	0.3			G0/10
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°	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0	274.0
2.5°	275.3	275.5	275.0	274.7	274.4	274.0	274.1	274.8	275.4	275.3
5°	277.5	277.8	277.4	277.3	276.7	276.5	276.5	277.3	277.7	277.4
7.5°	280.1	280.6	279.8	279.7	279.4	279.1	279.0	279.7	280.1	280.1
10°	282.6	283.0	282.4	282.0	281.7	281.7	281.4	282.0	282.7	282.6
12.5°	285.2	285.4	284.9	284.6	284.6	285.0	284.6	284.9	285.4	285.2
15°	288.3	288.5	288.3	288.7	289.5	290.9	289.6	289.3	289.6	288.9
17.5°	292.6	292.9	293.5	294.5	295.5	298.1	295.8	295.1	295.1	293.6
20°	297.9	298.4	299.2	301.0	302.2	304.7	302.4	301.4	301.0	299.1
22.5°	303.5	304.3	305.5	307.8	310.1	312.4	310.1	308.4	307.1	304.7
25°	310.0	310.9	312.9	316.6	319.8	323.1	320.3	316.9	314.3	310.9
27.5°	319.2	320.2	322.6	327.2	331.2	334.1	331.5	327.1	323.5	319.3
30°	332.1	333.1	336.0	340.9	343.6	345.5	343.7	340.3	336.0	331.2
32.5°	348.8	350.1	353.2	357.8	358.4	358.7	358.1	356.4	353.2	347.5
35°	369.9	371.3	374.9	378.6	378.1	378.6	377.8	377.2	374.9	368.3
37.5°	395.7	397.4	401.2	404.0	402.6	401.9	402.0	402.2	400.9	393.6
40°	425.7	428.0	430.8	433.8	431.3	429.2	430.6	431.8	430.6	423.1
42.5°	456.6	459.9	462.8	467.1	465.1	462.3	464.4	465.6	463.2	455.2
45°	490.9	494.1	497.8	504.3	502.8	500.0	502.8	503.1	499.0	489.5
47.5°	526.4	529.7	535.3	543.9	543.3	540.2	543.9	541.9	536.6	525.2
50°	560.0	564.6	573.2	585.2	586.4	582.5	587.5	583.7	574.8	560.6
52.5°	591.6	596.4	610.1	626.5	630.6	625.6	632.3	625.6	612.2	594.0
55°	624.7	630.2	646.4	667.8	676.1	672.4	678.7	668.5	649.6	627.5
57.5°	663.8	667.1	686.5	711.9	726.0	726.8	729.7	712.5	689.5	664.4
60°	706.1	710.7	731.8	762.3	784.5	791.7	788.7	763.1	736.4	707.6
62.5°	760.4	765.4	790.7	827.2	862.4	880.2	868.4	831.4	798.3	763.7
65°	805.4	811.0	856.6	921.7	985.7	1021.5	991.9	923.7	864.2	815.4
67.5°	772.8	779.7	851.3	970.8	1130.0	1236.7	1135.5	985.4	869.0	802.8
70°	675.4	681.9	765.4	911.5	1170.6	1404.4	1195.1	938.3	768.2	694.1
72.5°	448.4	469.2	553.8	729.0	1045.3	1299.6	1055.6	714.2	513.7	447.4
75°	148.8	165.4	223.1	377.9	700.1	971.9	666.5	334.4	176.8	127.2
77.5°	37.5	43.2	59.6	108.1	279.3	553.4	251.4	88.3	48.1	33.6
80°	18.2	20.1	28.7	36.0	69.9	175.9	65.6	33.9	22.7	17.5
82.5°	10.1	10.2	16.2	20.4	26.0	45.5	27.0	19.8	13.1	10.6
85°	6.2	6.0	8.6	10.9	10.9	16.2	12.9	10.9	7.5	6.6
87.5°	2.4	2.4	3.2	3.4	3.0	4.2	3.3	3.6	2.9	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

<u>90°</u>
274.0
275.4
277.5
280.1
282.6
285.0
288.9
293.6
299.1
304.5
310.7
319.2
331.2
347.6
368.3
393.6
423.1
455.7
490.5
524.5
560.3
592.3
624.4
660.9
703.0
757.7
807.4
792.9
684.2
432.9
120.3
30.0
16.1
10.6
6.9
2.9
0.0

OF REPORT)