

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: P945145

Luminaire Tested: **GALN-SB1A-940-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945145
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-940-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3405 lumens
Efficiency: N/A
Efficacy: 110.2 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

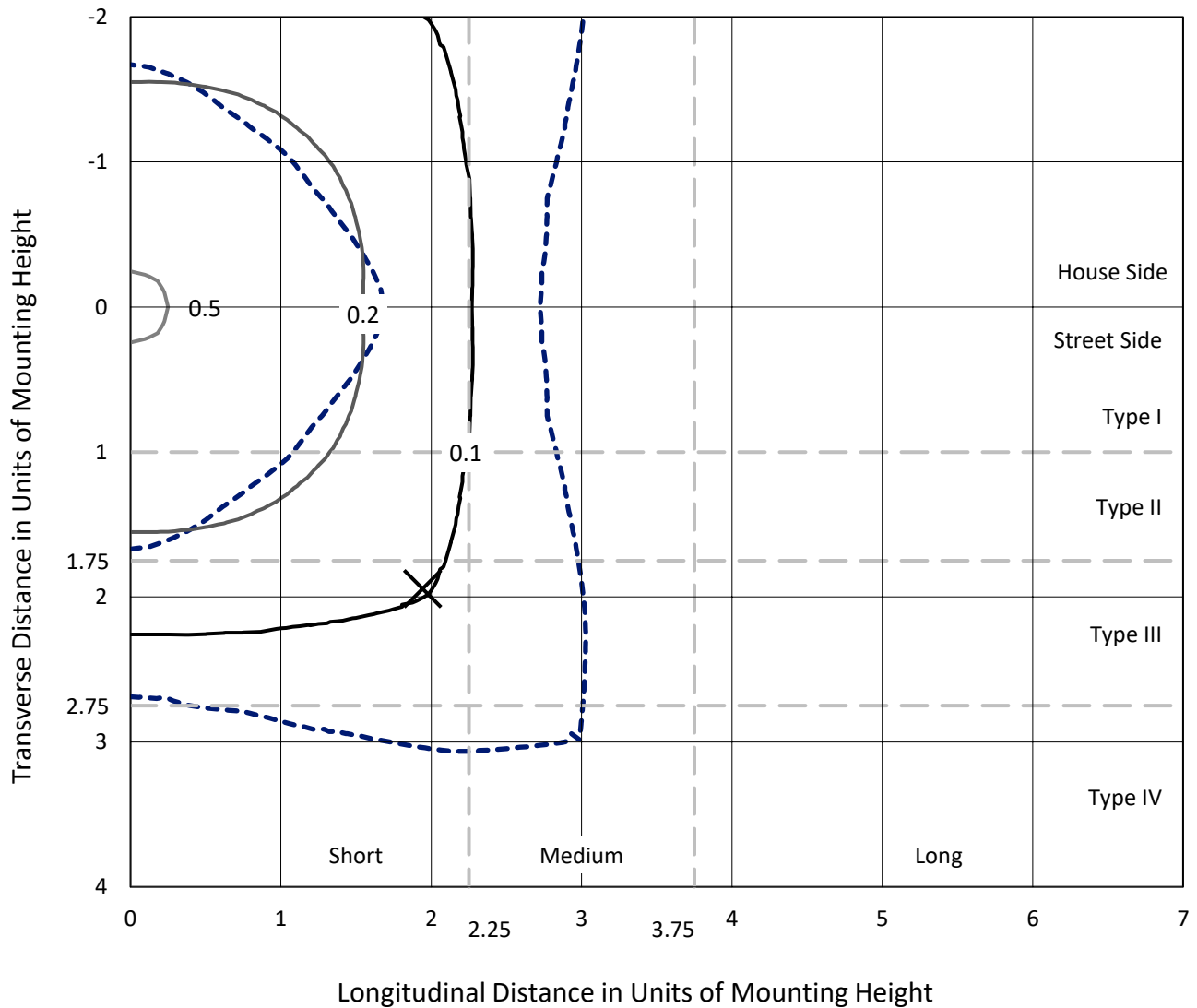
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

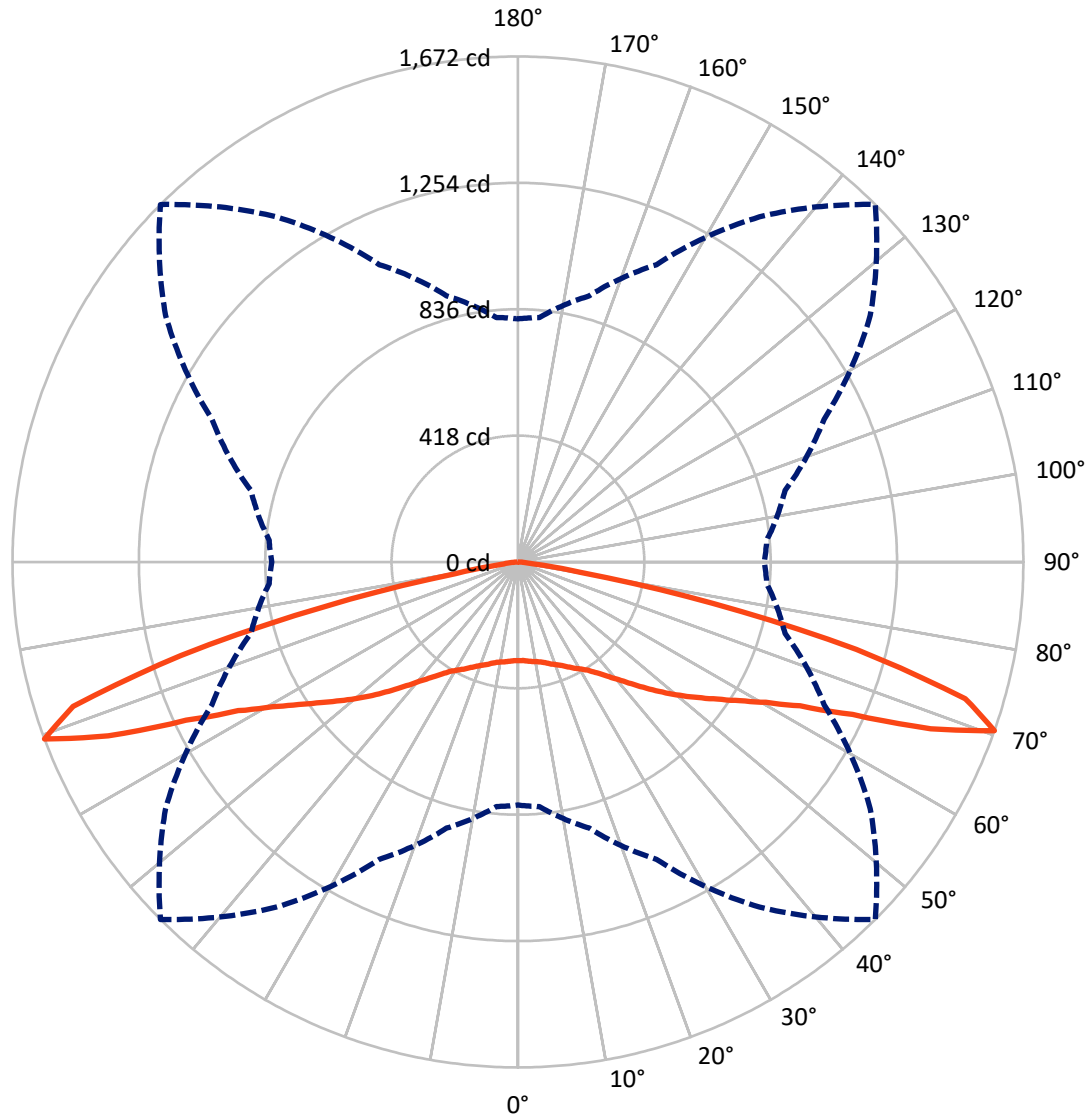
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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	1702.5	0.0	1702.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1702.5	0.0	1702.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3405.0	0.0	3405.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.7	0.9
10°-20°	98.3	2.9
20°-30°	175.6	5.2
30°-40°	284.6	8.4
40°-50°	463.6	13.6
50°-60°	706.9	20.8
60°-70°	1051.6	30.9
70°-80°	573.2	16.8
80°-90°	19.5	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°	3405.0	100.0
0°-180°	3405.0	100.0

Coefficient of Utilization



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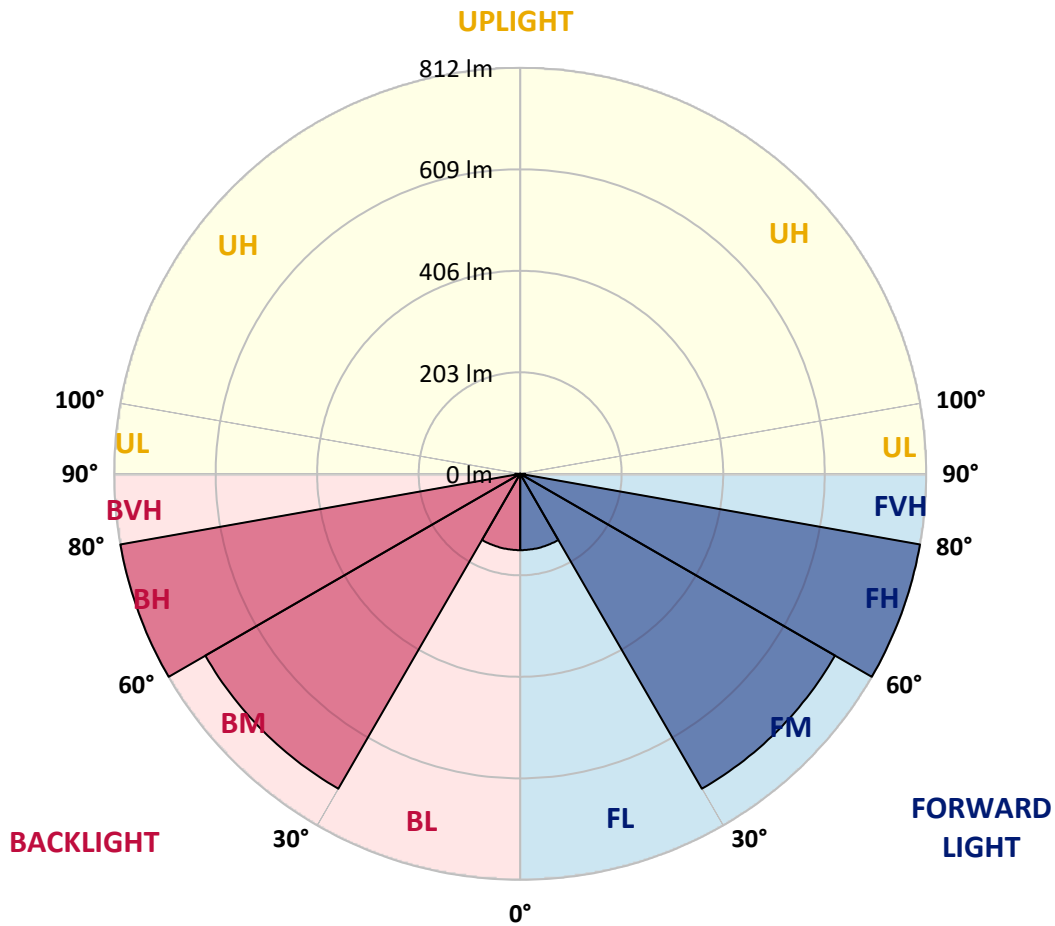
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	152.8	4.5			
FM (30°-60°)	727.6	21.4			
FH (60°-80°)	812.4	23.9			G1/1800
FVH (80°-90°)	9.8	0.3			G0/10
BL (0°-30°)	152.8	4.5	B1/500		
BM (30°-60°)	727.6	21.4	B1/1000		
BH (60°-80°)	812.4	23.9	B2/1000		G1/1800
BVH (80°-90°)	9.8	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°	326.2	326.2	326.2	326.2	326.2	326.2	326.2	326.2	326.2	326.2
2.5°	327.7	328.0	327.4	327.0	326.7	326.2	326.3	327.2	327.9	327.7
5°	330.4	330.8	330.3	330.1	329.4	329.2	329.2	330.1	330.6	330.3
7.5°	333.5	334.0	333.2	333.0	332.7	332.3	332.1	333.0	333.5	333.5
10°	336.4	336.9	336.2	335.7	335.4	335.4	335.1	335.7	336.6	336.4
12.5°	339.5	339.8	339.2	338.8	338.8	339.3	338.8	339.2	339.8	339.5
15°	343.3	343.4	343.3	343.8	344.6	346.3	344.8	344.5	344.8	343.9
17.5°	348.4	348.7	349.4	350.6	351.8	354.9	352.1	351.3	351.3	349.6
20°	354.7	355.2	356.3	358.3	359.8	362.7	360.0	358.8	358.3	356.1
22.5°	361.4	362.2	363.8	366.5	369.2	372.0	369.2	367.2	365.7	362.7
25°	369.1	370.1	372.5	376.9	380.7	384.6	381.4	377.3	374.2	370.1
27.5°	380.0	381.2	384.1	389.6	394.4	397.8	394.7	389.4	385.1	380.2
30°	395.4	396.6	400.0	405.8	409.1	411.3	409.2	405.1	400.0	394.4
32.5°	415.2	416.8	420.5	426.0	426.7	427.0	426.3	424.3	420.5	413.7
35°	440.4	442.1	446.3	450.8	450.1	450.8	449.8	449.1	446.3	438.5
37.5°	471.1	473.2	477.6	481.0	479.3	478.5	478.6	478.8	477.3	468.6
40°	506.9	509.6	512.8	516.4	513.5	511.0	512.7	514.0	512.7	503.8
42.5°	543.6	547.5	551.0	556.1	553.7	550.4	552.8	554.4	551.5	541.9
45°	584.5	588.2	592.7	600.4	598.7	595.2	598.7	599.0	594.0	582.8
47.5°	626.7	630.6	637.3	647.5	646.9	643.1	647.5	645.1	638.8	625.3
50°	666.7	672.2	682.4	696.8	698.1	693.5	699.5	694.9	684.3	667.4
52.5°	704.3	710.1	726.3	745.8	750.8	744.8	752.8	744.8	728.9	707.2
55°	743.8	750.3	769.6	795.1	805.0	800.5	808.1	795.9	773.4	747.0
57.5°	790.3	794.2	817.3	847.5	864.3	865.3	868.7	848.2	820.9	791.0
60°	840.7	846.2	871.3	907.5	934.0	942.6	939.0	908.6	876.8	842.4
62.5°	905.3	911.3	941.4	984.8	1026.7	1047.9	1033.9	989.8	950.5	909.3
65°	958.8	965.5	1019.9	1097.3	1173.5	1216.1	1180.9	1099.7	1028.9	970.8
67.5°	920.0	928.2	1013.5	1155.8	1345.3	1472.4	1351.8	1173.2	1034.6	955.8
70°	804.1	811.8	911.3	1085.2	1393.7	1672.0	1422.8	1117.1	914.6	826.3
72.5°	533.9	558.6	659.3	867.9	1244.5	1547.2	1256.8	850.3	611.6	532.7
75°	177.1	196.9	265.6	449.9	833.5	1157.1	793.5	398.1	210.4	151.5
77.5°	44.6	51.5	70.9	128.7	332.5	658.8	299.3	105.1	57.3	40.0
80°	21.7	23.9	34.2	42.9	83.3	209.4	78.1	40.3	27.0	20.9
82.5°	12.0	12.1	19.3	24.3	30.9	54.2	32.1	23.6	15.6	12.6
85°	7.4	7.2	10.3	13.0	13.0	19.3	15.4	13.0	8.9	7.9
87.5°	2.9	2.9	3.8	4.1	3.6	5.0	3.9	4.3	3.4	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
326.2
327.9
330.4
333.5
336.4
339.3
343.9
349.6
356.1
362.6
369.9
380.0
394.4
413.9
438.5
468.6
503.8
542.6
583.9
624.5
667.0
705.1
743.4
786.9
836.9
902.1
961.2
944.0
814.6
515.4
143.3
35.7
19.1
12.6
8.2
3.4
0.0

OF REPORT)