

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: P945167

Luminaire Tested: **GALN-SB1A-950-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945167
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-950-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3271 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

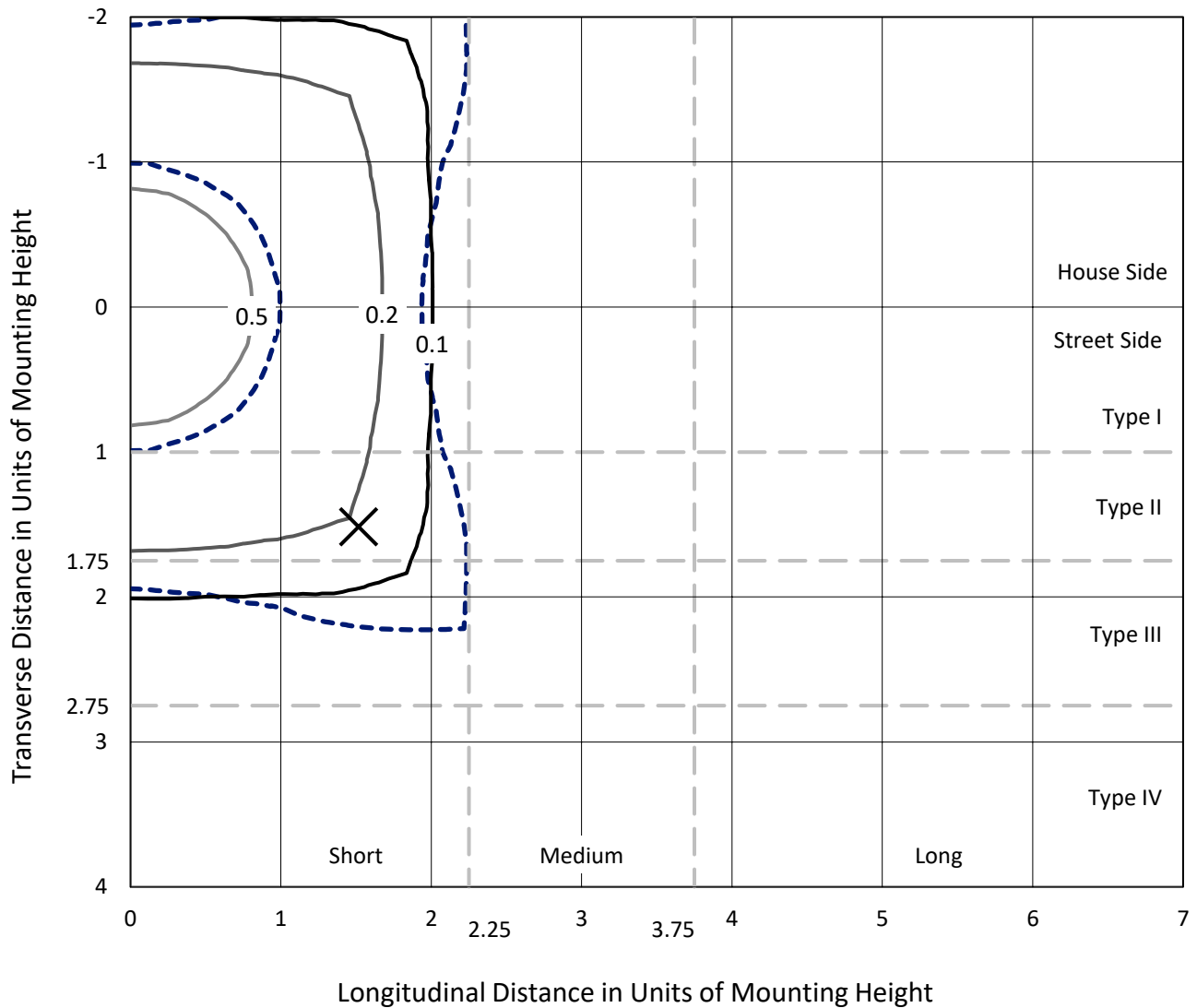
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

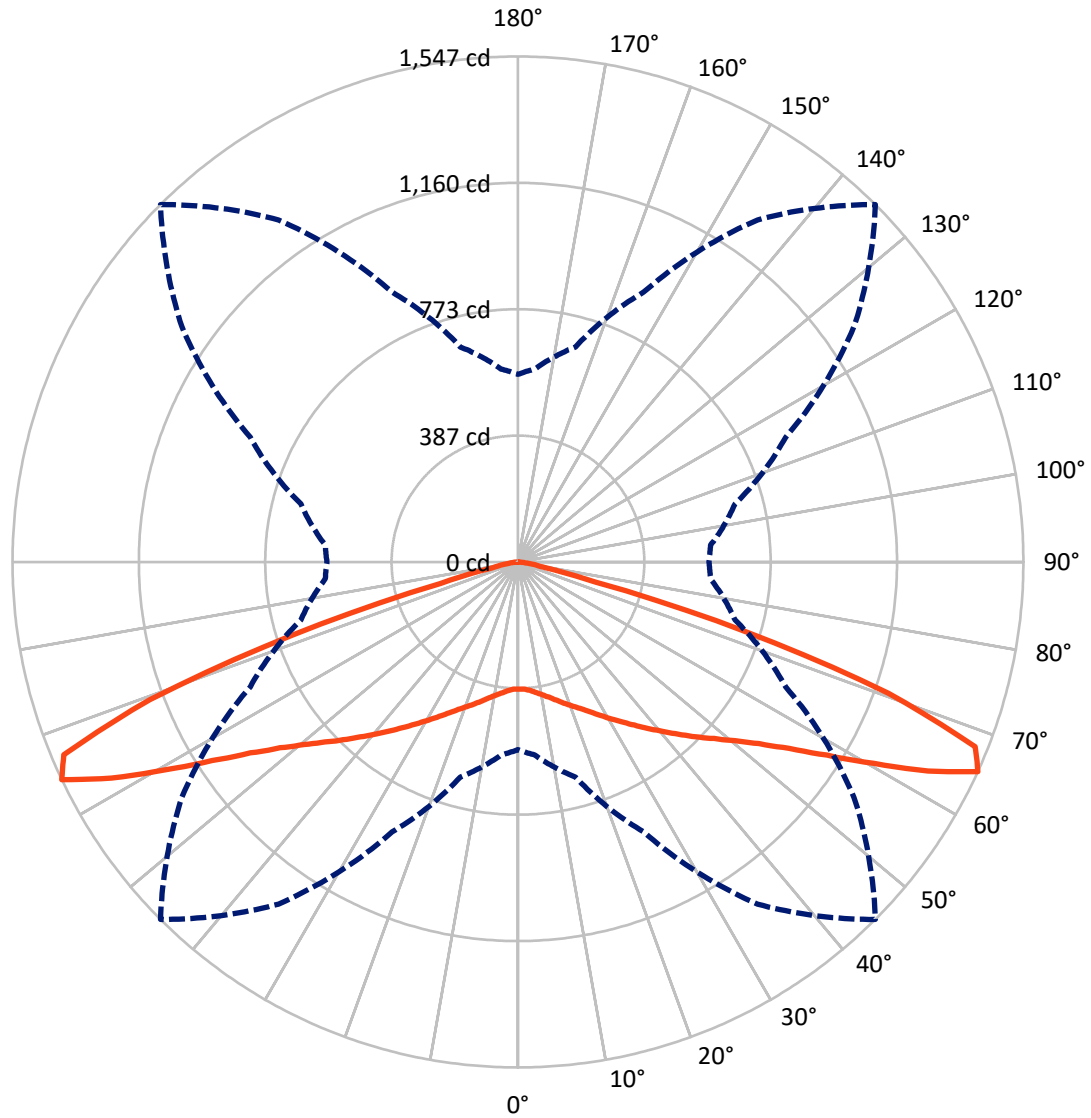
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1635.5	0.0	1635.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1635.5	0.0	1635.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3271.0	0.0	3271.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.4	1.2
10°-20°	125.4	3.8
20°-30°	236.7	7.2
30°-40°	387.6	11.8
40°-50°	601.0	18.4
50°-60°	887.7	27.1
60°-70°	845.0	25.8
70°-80°	136.4	4.2
80°-90°	12.9	0.4
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°	3271.0	100.0
0°-180°	3271.0	100.0

Coefficient of Utilization



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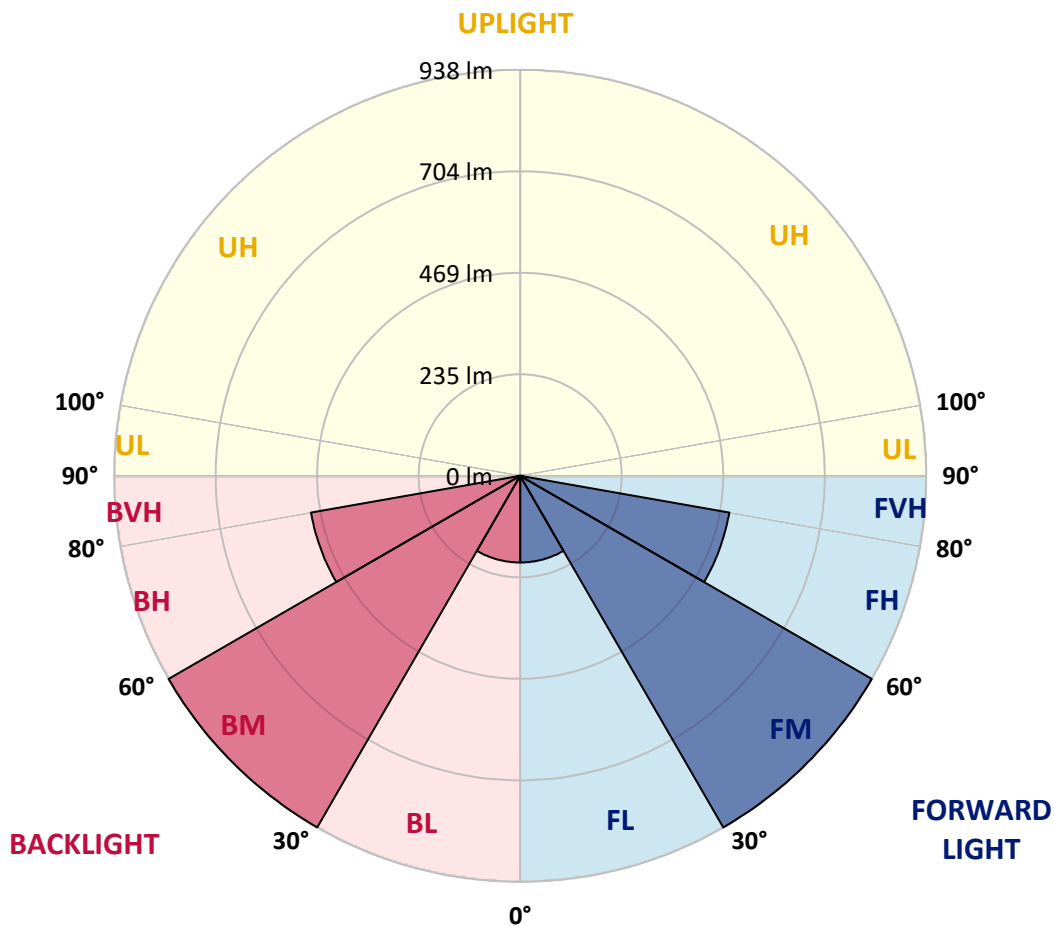
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.2	6.1			
FM (30°-60°)	938.1	28.7			
FH (60°-80°)	490.7	15.0			G0/660
FVH (80°-90°)	6.4	0.2			G0/10
BL (0°-30°)	200.2	6.1	B1/500		
BM (30°-60°)	938.1	28.7	B1/1000		
BH (60°-80°)	490.7	15.0	B1/500		G0/660
BVH (80°-90°)	6.4	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	389.3	389.3	389.3	389.3	389.3	389.3	389.3	389.3	389.3	389.3
2.5°	391.9	390.6	391.6	390.8	390.1	389.4	389.8	390.9	391.4	391.6
5°	397.2	396.0	396.5	396.5	395.4	395.0	395.2	396.0	397.0	397.0
7.5°	405.7	404.5	405.7	405.0	404.1	403.7	403.6	404.2	405.7	405.7
10°	416.0	414.7	415.4	415.0	413.9	413.4	413.2	414.2	415.5	415.4
12.5°	427.4	425.9	426.7	425.7	425.4	424.9	424.9	424.7	425.6	424.9
15°	440.0	439.0	439.3	438.7	439.2	438.8	437.5	436.9	437.2	436.2
17.5°	454.9	452.6	453.8	453.5	453.5	454.1	452.0	451.2	451.8	450.8
20°	472.2	469.9	470.4	469.7	468.9	469.5	466.9	467.6	468.1	467.4
22.5°	491.0	488.1	487.9	488.2	486.4	486.6	484.8	486.4	487.4	485.6
25°	510.4	507.3	509.4	508.6	506.3	506.8	505.5	507.1	507.9	505.6
27.5°	530.9	528.8	530.7	531.2	528.5	530.4	528.5	529.9	530.7	527.3
30°	554.9	552.7	554.5	555.9	552.6	555.7	554.1	555.0	555.2	551.1
32.5°	581.0	577.7	582.3	582.9	579.3	583.1	581.0	582.3	583.1	577.5
35°	612.8	608.7	614.0	613.1	610.0	613.1	611.2	613.1	615.1	608.4
37.5°	647.1	642.8	648.4	646.9	644.0	646.1	645.0	646.3	649.4	642.2
40°	684.9	679.6	687.2	684.5	681.7	681.4	682.1	682.9	687.0	678.9
42.5°	725.2	719.6	731.0	726.9	722.9	720.3	722.4	724.1	728.0	719.0
45°	771.3	764.9	779.7	774.8	768.6	763.1	766.6	769.0	774.8	764.0
47.5°	822.2	815.0	830.8	829.3	819.1	807.3	815.2	822.2	826.5	813.4
50°	871.9	866.4	887.0	888.8	876.4	859.8	870.8	881.5	882.6	865.4
52.5°	918.6	913.0	943.0	954.3	943.2	923.5	935.1	946.0	937.3	914.9
55°	955.8	951.2	989.5	1018.7	1022.4	1006.2	1013.1	1012.8	984.2	949.9
57.5°	964.8	964.2	1012.4	1074.3	1113.7	1115.7	1102.0	1067.2	1005.7	959.6
60°	923.8	927.9	994.2	1103.3	1208.4	1252.0	1193.1	1093.8	981.2	917.2
62.5°	801.0	811.9	891.8	1067.9	1284.9	1408.9	1266.2	1053.5	880.8	797.3
65°	574.1	592.9	681.2	911.3	1278.0	1546.8	1255.6	903.9	687.8	591.5
67.5°	260.5	279.7	354.7	624.0	1110.9	1509.4	1108.3	630.5	372.4	280.6
70°	94.4	97.6	121.8	249.8	710.0	1202.6	740.3	251.6	129.5	104.0
72.5°	57.1	57.6	62.7	89.4	246.7	730.1	257.2	92.4	64.0	56.8
75°	36.3	35.9	44.6	54.7	87.5	246.3	91.7	54.7	44.5	40.5
77.5°	26.1	26.9	32.0	40.9	55.1	83.5	54.2	39.1	32.0	26.3
80°	19.5	20.0	23.3	31.8	38.7	52.0	34.5	28.9	24.1	16.4
82.5°	14.1	14.1	15.3	23.1	23.6	28.1	18.7	20.4	15.9	11.7
85°	8.4	8.2	9.5	13.8	12.3	10.3	8.5	12.5	10.0	7.2
87.5°	3.0	3.1	3.0	3.9	3.3	2.8	2.6	3.4	2.8	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
389.3
391.6
397.0
405.2
415.0
425.2
436.4
451.6
468.9
487.4
508.3
529.9
553.6
581.3
612.5
646.6
681.6
723.7
769.5
817.8
867.5
915.6
951.0
956.6
909.7
792.3
584.4
276.5
102.7
57.8
40.9
26.8
16.9
11.7
7.1
2.3
0.0

OF REPORT)