

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: P945086

Luminaire Tested: **GALN-SB1A-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
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-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2813 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

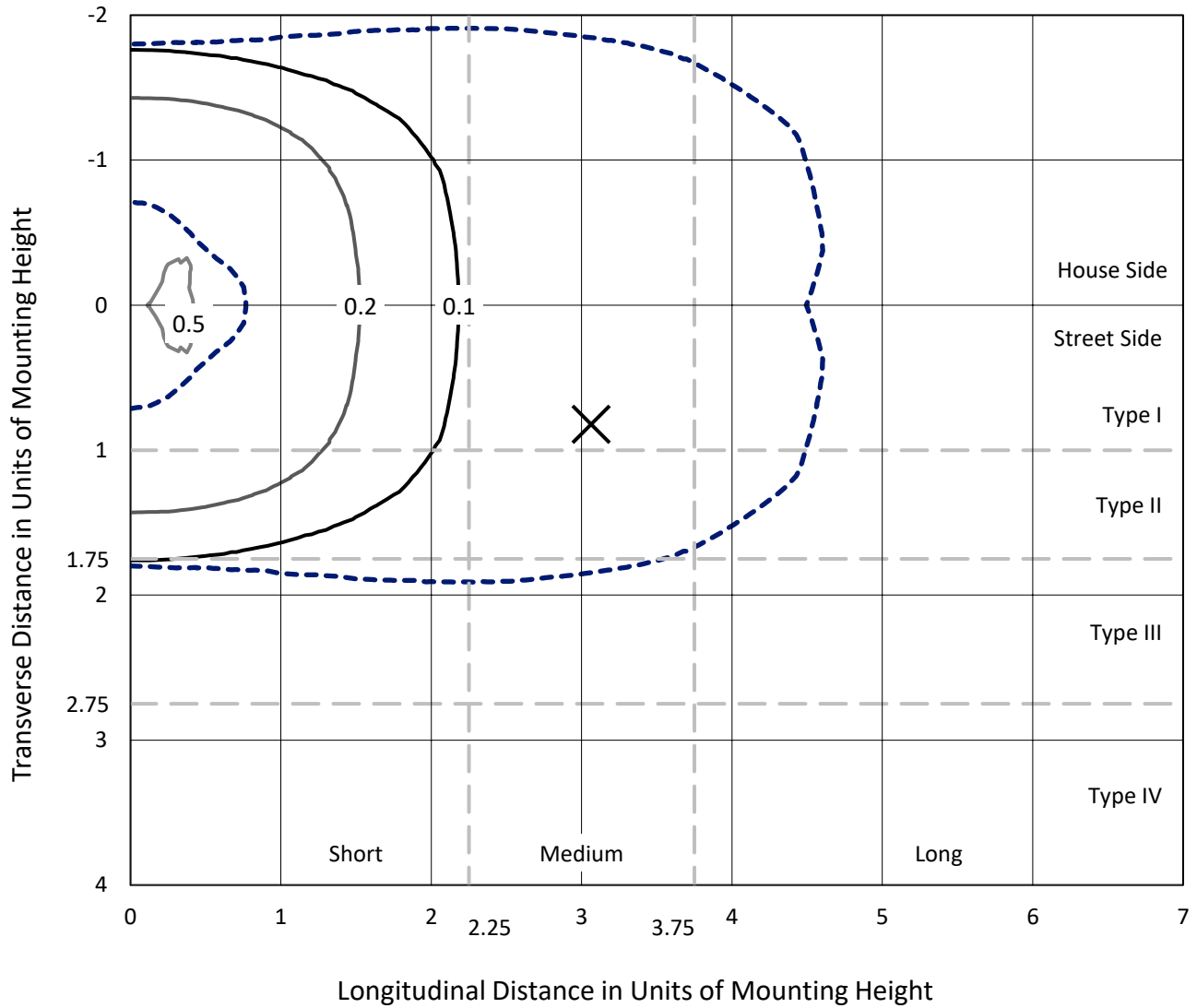
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

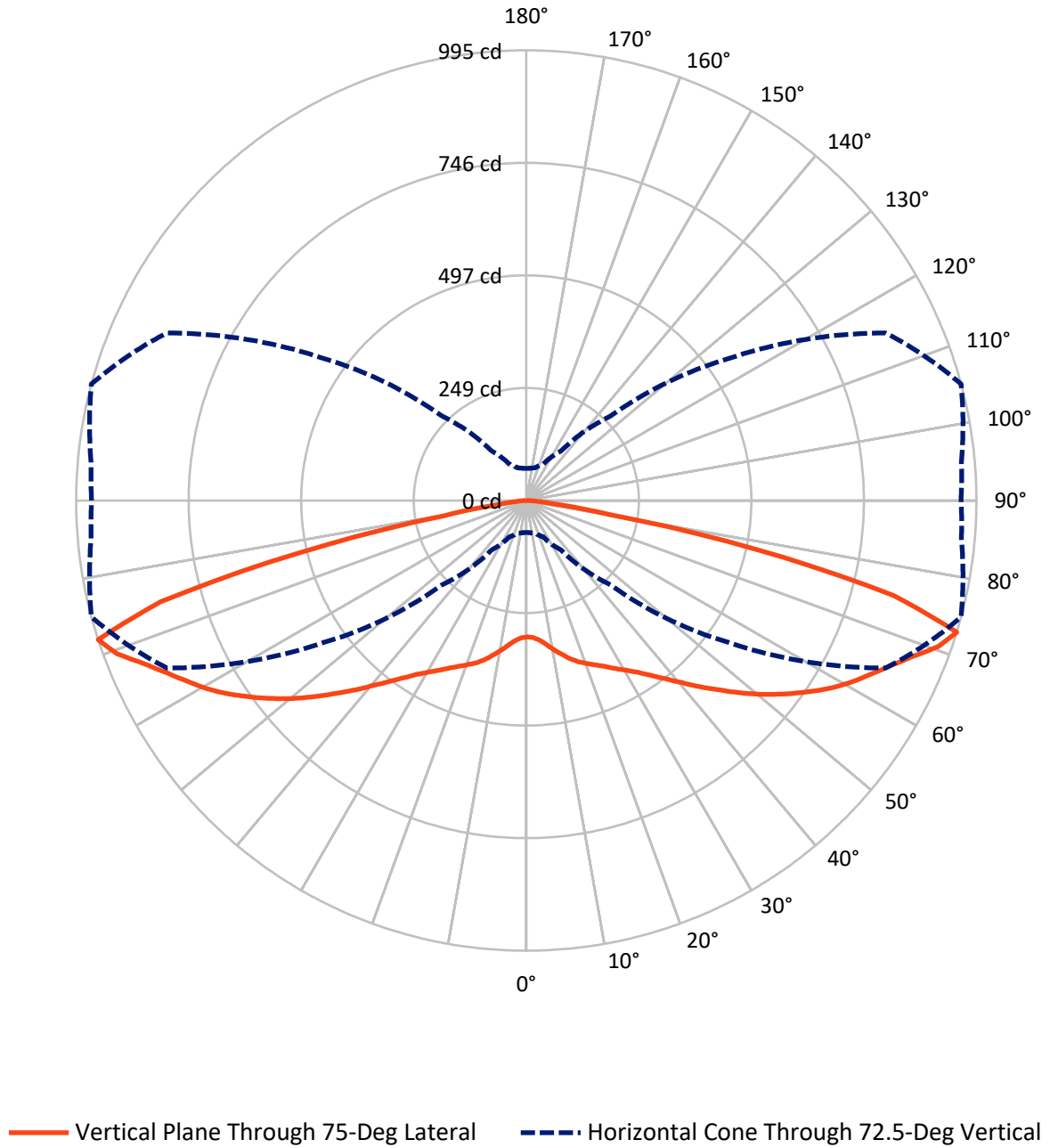
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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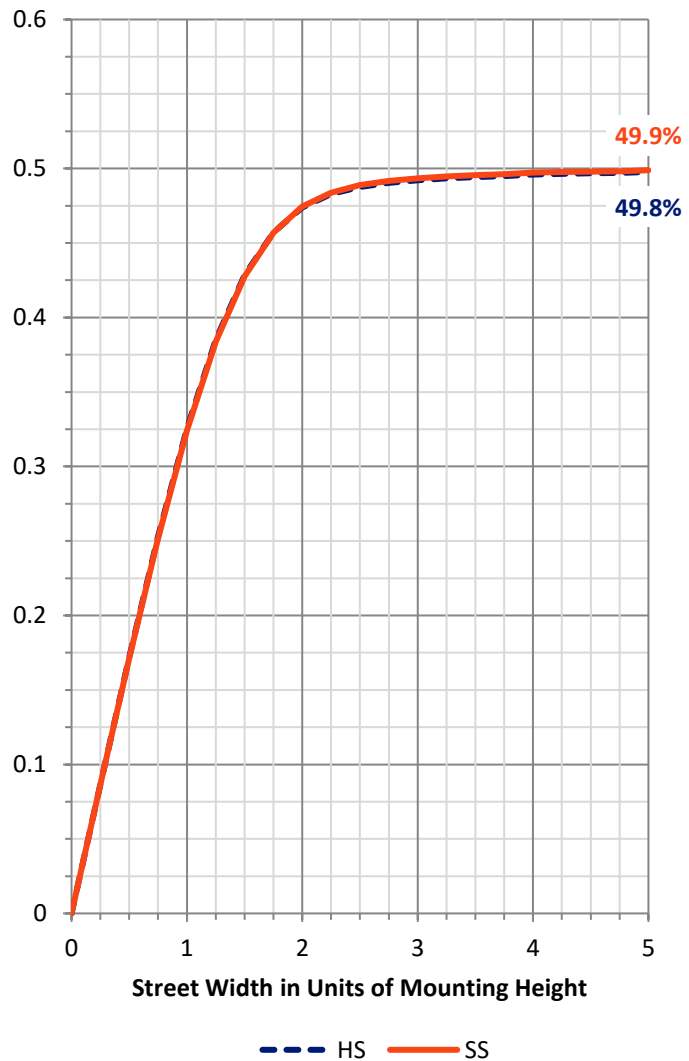
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1406.5	0.0	1406.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1406.5	0.0	1406.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2813.0	0.0	2813.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	1.0
10°-20°	97.4	3.5
20°-30°	188.1	6.7
30°-40°	317.6	11.3
40°-50°	503.8	17.9
50°-60°	674.5	24.0
60°-70°	641.9	22.8
70°-80°	334.9	11.9
80°-90°	25.3	0.9
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°	2813.0	100.0
0°-180°	2813.0	100.0

Coefficient of Utilization



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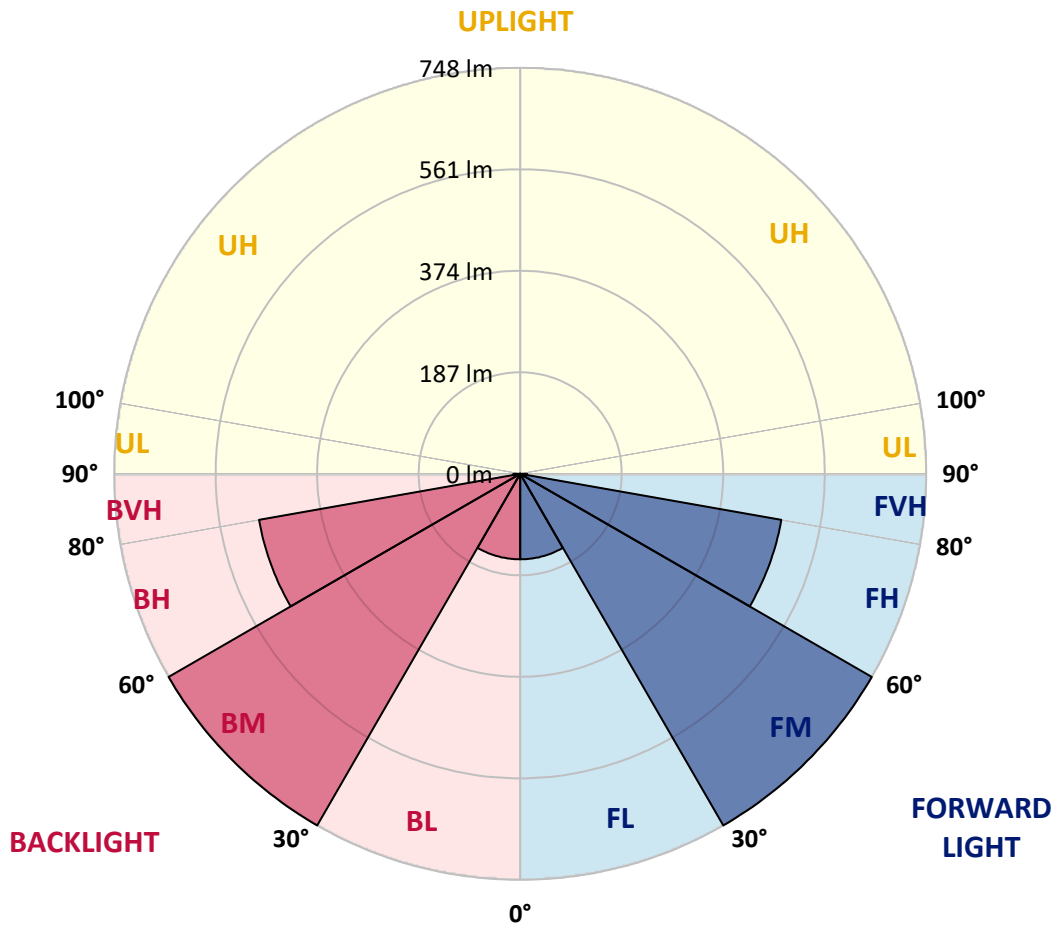
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	157.5	5.6			
FM (30°-60°)	747.9	26.6			
FH (60°-80°)	488.4	17.4			G0/660
FVH (80°-90°)	12.7	0.5			G1/100
BL (0°-30°)	157.5	5.6	B1/500		
BM (30°-60°)	747.9	26.6	B1/1000		
BH (60°-80°)	488.4	17.4	B1/500		G1/500
BVH (80°-90°)	12.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	301.3	301.3	301.3	301.3	301.3	301.3	301.3	301.3	301.3	301.3
2.5°	301.3	301.0	301.3	301.6	301.5	301.5	302.2	302.6	303.5	303.3
5°	299.3	299.2	300.3	301.6	302.6	304.3	306.5	308.1	310.1	310.5
7.5°	298.3	297.9	299.9	302.2	305.3	309.7	313.8	318.1	321.6	322.7
10°	299.0	299.2	301.9	306.2	311.2	317.3	323.2	330.5	335.4	336.5
12.5°	302.3	302.0	306.6	313.5	320.4	328.0	334.9	343.0	348.3	351.0
15°	308.4	307.8	314.2	324.4	334.5	343.4	349.0	356.6	362.8	366.2
17.5°	315.5	315.8	324.3	337.5	350.7	360.8	366.1	370.0	374.7	377.7
20°	328.2	328.8	338.2	353.9	369.0	380.5	384.8	383.3	384.6	386.9
22.5°	345.1	345.4	356.0	373.0	388.8	401.4	404.3	398.4	394.8	396.4
25°	364.8	366.7	377.3	394.7	410.9	423.0	424.3	415.4	406.5	406.9
27.5°	388.8	390.5	401.3	418.5	435.0	445.5	445.4	433.5	420.4	417.1
30°	414.8	416.7	427.7	445.5	460.9	470.1	468.1	453.9	435.2	429.0
32.5°	445.7	446.8	458.0	475.8	490.0	497.4	493.2	475.7	452.4	445.4
35°	483.0	484.7	493.1	509.9	522.4	528.4	521.4	500.7	474.5	466.6
37.5°	525.7	524.5	534.0	548.9	559.3	563.0	553.4	528.8	499.8	490.5
40°	570.2	569.6	580.0	594.3	599.9	602.2	588.0	561.1	529.0	518.9
42.5°	610.5	610.1	624.0	640.0	646.7	644.2	626.2	595.5	562.7	551.2
45°	642.9	642.3	659.4	681.8	695.0	690.7	666.6	633.4	596.9	585.0
47.5°	667.7	668.0	686.4	714.1	737.2	738.8	707.8	672.0	634.5	621.0
50°	685.7	686.5	706.2	736.9	768.5	782.5	749.9	711.7	673.5	658.2
52.5°	690.1	691.7	715.4	751.4	788.6	815.2	792.7	749.7	710.4	695.9
55°	666.4	669.6	699.6	750.3	801.0	836.8	830.3	788.4	747.6	732.6
57.5°	612.0	616.4	651.5	717.7	798.3	851.5	859.4	825.4	784.8	770.4
60°	535.7	541.0	574.6	646.9	759.8	857.0	880.0	861.5	818.9	805.0
62.5°	420.7	427.6	467.8	552.5	678.5	831.6	897.5	894.1	849.7	832.3
65°	269.9	277.2	319.6	419.7	570.0	753.7	903.0	925.8	882.1	857.9
67.5°	162.7	166.0	187.0	254.4	416.7	636.4	856.7	961.0	920.1	889.9
70°	104.1	106.0	118.5	149.4	235.5	464.3	742.1	967.6	966.0	922.8
72.5°	70.7	71.2	74.5	88.5	133.3	263.8	547.4	876.0	994.7	965.2
75°	51.7	54.9	60.2	62.6	75.7	131.8	313.7	615.4	838.3	851.3
77.5°	38.5	38.6	46.0	48.8	54.0	70.2	132.7	343.5	520.5	546.5
80°	32.6	30.9	30.7	39.4	40.6	43.8	59.3	118.6	186.4	113.0
82.5°	27.1	25.3	22.8	30.7	27.7	26.9	25.7	48.3	59.3	29.2
85°	19.0	18.1	17.2	20.1	15.8	13.5	12.4	22.5	25.0	12.4
87.5°	8.2	8.5	8.6	8.9	6.6	4.7	4.7	6.3	6.3	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
301.3
303.2
310.5
323.0
337.7
352.2
367.5
379.2
388.6
397.6
407.6
418.1
429.7
447.1
467.8
492.2
522.2
554.1
587.7
625.1
662.8
699.6
736.8
773.7
808.0
834.3
860.9
892.2
922.5
960.6
819.9
487.5
85.5
24.8
10.9
3.6
0.0

OF REPORT)