

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: P955166

Luminaire Tested: **GALN-SB8A-950-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955166
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-SB8A-950-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25984 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

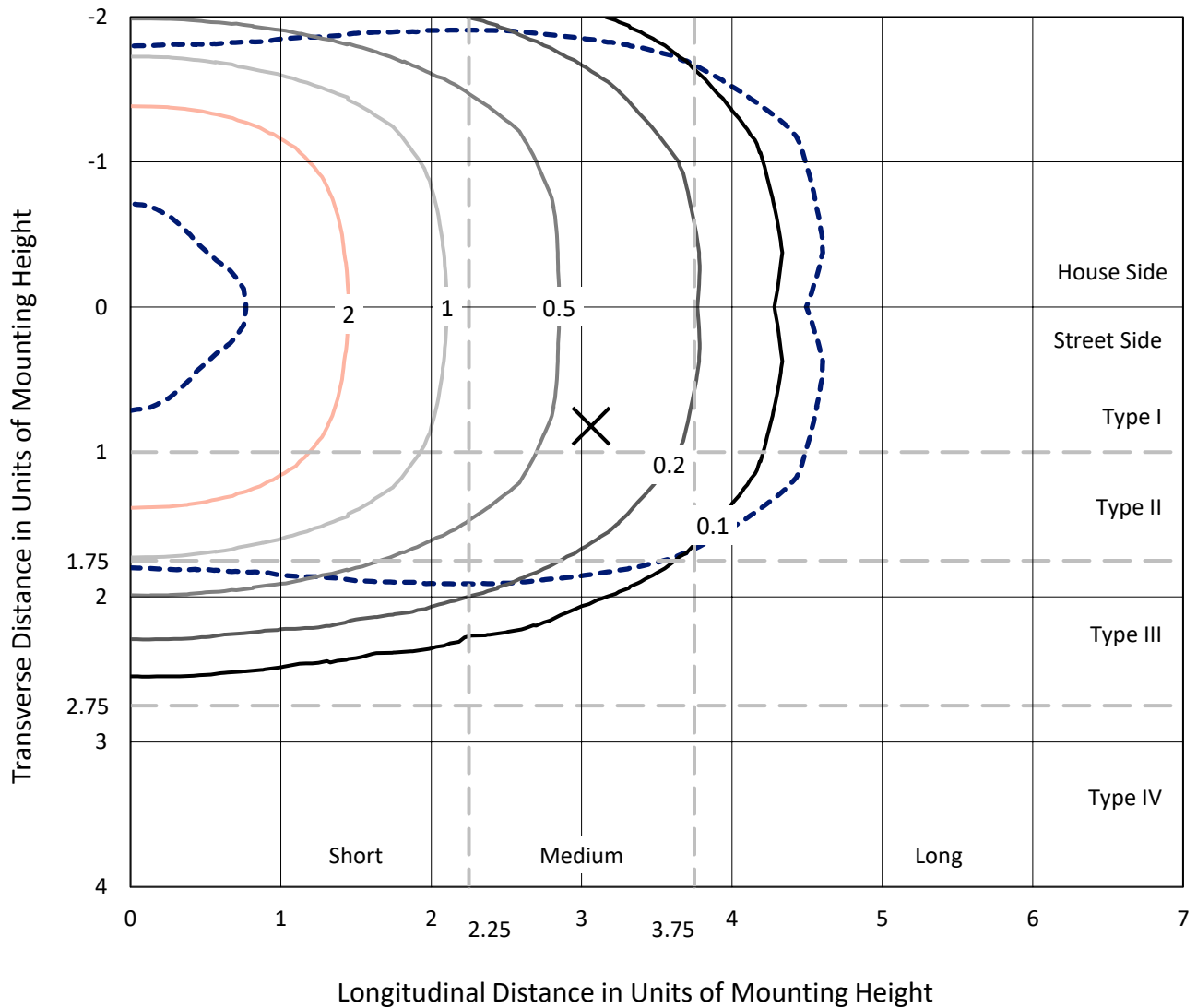
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

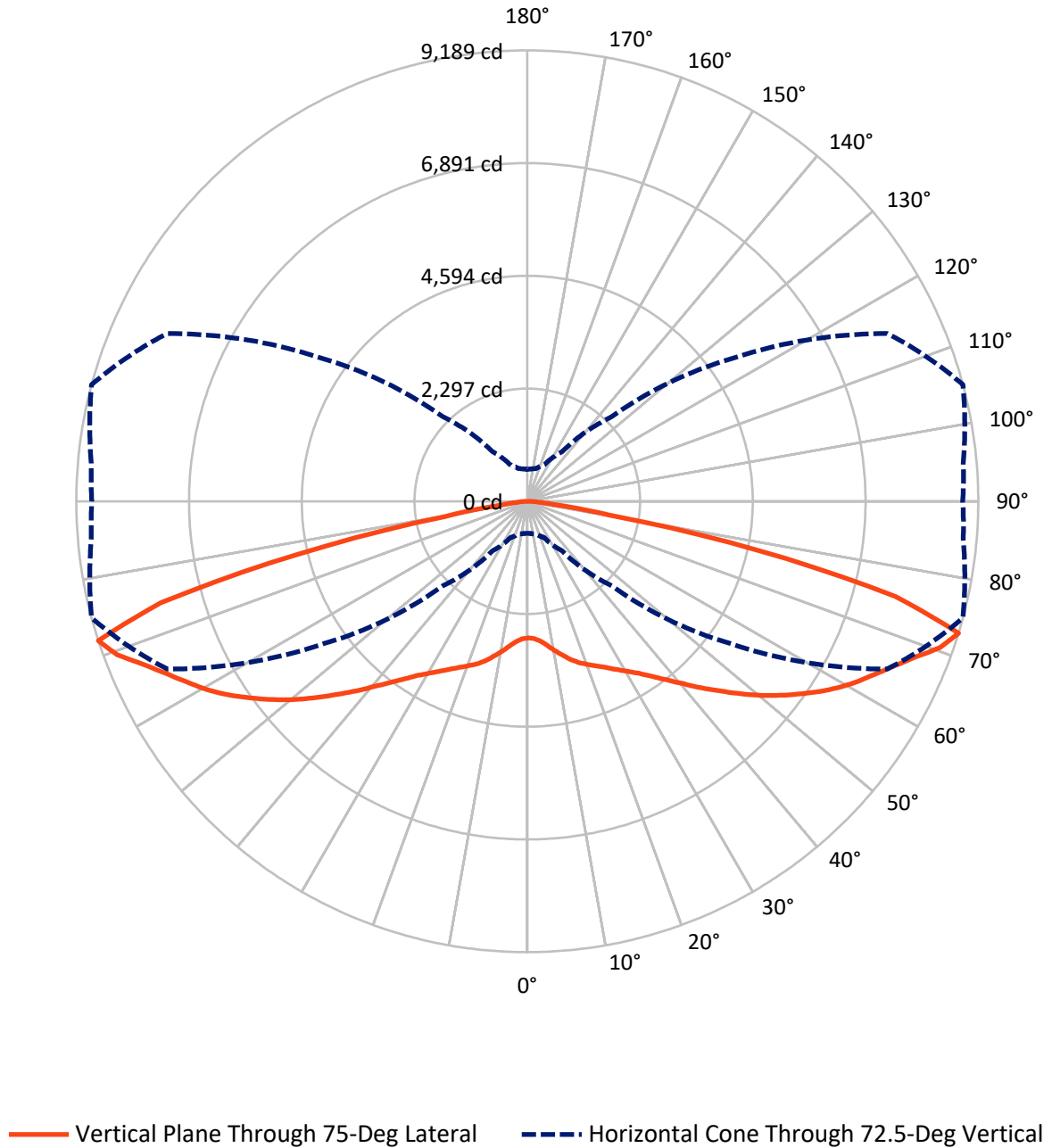
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	12992.0	0.0	12992.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12992.0	0.0	12992.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25984.0	0.0	25984.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.7	1.0
10°-20°	899.3	3.5
20°-30°	1737.6	6.7
30°-40°	2934.1	11.3
40°-50°	4653.2	17.9
50°-60°	6230.1	24.0
60°-70°	5929.0	22.8
70°-80°	3093.9	11.9
80°-90°	234.2	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°	25984.0	100.0
0°-180°	25984.0	100.0



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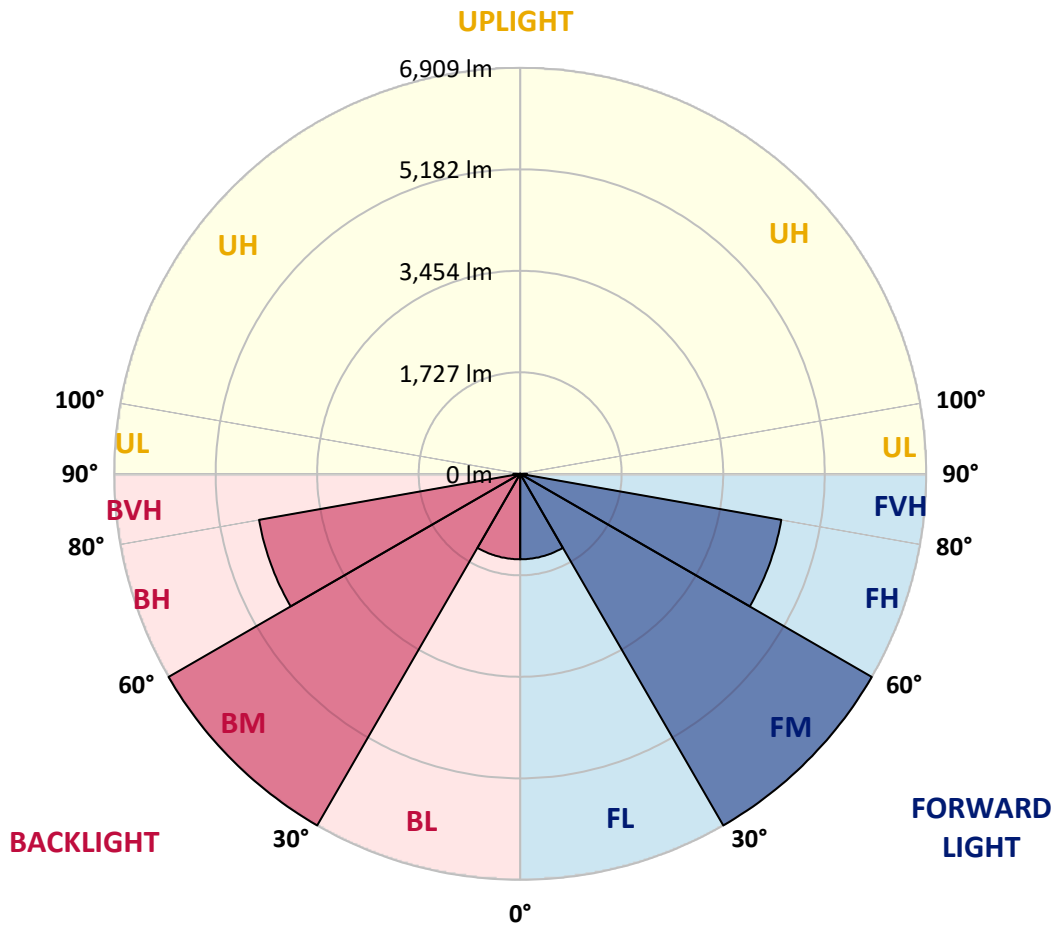
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1454.8	5.6			
FM (30°-60°)	6908.7	26.6			
FH (60°-80°)	4511.4	17.4			G2/5000
FVH (80°-90°)	117.1	0.5			G2/225
BL (0°-30°)	1454.8	5.6	B3/2500		
BM (30°-60°)	6908.7	26.6	B4/8500		
BH (60°-80°)	4511.4	17.4	B4/5000		G4/5000
BVH (80°-90°)	117.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2783.4	2783.4	2783.4	2783.4	2783.4	2783.4	2783.4	2783.4	2783.4	2783.4
2.5°	2783.4	2780.7	2783.4	2786.0	2784.7	2784.7	2791.3	2795.3	2803.3	2801.9
5°	2764.8	2763.5	2774.1	2786.0	2795.3	2811.2	2831.1	2845.7	2864.3	2868.3
7.5°	2755.5	2751.5	2770.1	2791.3	2820.5	2860.3	2898.8	2938.6	2970.4	2981.0
10°	2762.1	2763.5	2788.7	2828.5	2874.9	2930.6	2985.0	3052.7	3097.8	3108.4
12.5°	2792.6	2790.0	2832.4	2896.1	2959.8	3030.1	3093.8	3168.1	3217.2	3242.4
15°	2848.4	2843.1	2902.8	2996.9	3089.8	3172.1	3223.8	3294.1	3351.2	3383.0
17.5°	2914.7	2917.3	2995.6	3117.7	3239.7	3332.6	3381.7	3417.5	3461.3	3489.1
20°	3031.4	3036.7	3124.3	3268.9	3408.2	3514.3	3554.1	3540.9	3552.8	3574.0
22.5°	3188.0	3190.6	3288.8	3445.4	3591.3	3708.0	3734.6	3680.2	3647.0	3661.6
25°	3369.7	3387.0	3485.2	3645.7	3795.6	3907.0	3919.0	3836.7	3754.5	3758.5
27.5°	3591.3	3607.2	3706.7	3865.9	4018.5	4115.3	4114.0	4003.9	3883.2	3852.6
30°	3831.4	3848.7	3950.8	4115.3	4257.3	4342.2	4323.6	4192.3	4019.8	3962.8
32.5°	4116.7	4127.3	4230.7	4395.3	4526.6	4594.3	4555.8	4393.9	4179.0	4114.0
35°	4461.6	4477.5	4554.5	4709.7	4825.1	4880.8	4815.8	4624.8	4383.3	4310.3
37.5°	4855.6	4845.0	4932.6	5070.5	5166.0	5200.5	5111.7	4884.8	4616.8	4530.6
40°	5266.9	5261.6	5357.1	5489.8	5541.5	5562.7	5431.4	5183.3	4886.1	4793.3
42.5°	5639.7	5635.7	5764.4	5911.6	5974.0	5950.1	5784.3	5500.4	5197.9	5091.8
45°	5938.2	5932.9	6090.7	6297.7	6419.8	6380.0	6157.1	5850.6	5513.6	5403.5
47.5°	6167.7	6170.3	6340.2	6596.2	6809.8	6824.4	6537.8	6207.5	5861.2	5736.5
50°	6333.5	6341.5	6523.2	6807.1	7099.0	7227.7	6926.5	6573.6	6220.8	6080.1
52.5°	6374.6	6389.2	6608.1	6941.1	7284.7	7530.2	7321.9	6925.2	6561.7	6427.7
55°	6155.7	6184.9	6462.2	6930.5	7398.8	7729.2	7669.5	7282.1	6905.3	6767.3
57.5°	5652.9	5694.1	6017.8	6629.4	7373.6	7865.8	7938.8	7624.4	7248.9	7116.3
60°	4948.5	4997.6	5308.0	5975.3	7018.1	7916.2	8128.5	7957.4	7564.7	7436.0
62.5°	3885.8	3949.5	4321.0	5103.7	6267.2	7681.4	8290.4	8258.5	7848.6	7688.0
65°	2492.8	2560.5	2951.8	3876.5	5265.5	6962.4	8340.8	8551.7	8148.4	7924.2
67.5°	1503.1	1533.6	1727.3	2349.5	3848.7	5878.5	7913.6	8876.7	8498.6	8220.0
70°	961.8	979.1	1094.5	1379.7	2175.7	4289.1	6854.9	8937.8	8923.2	8523.8
72.5°	652.7	658.0	688.5	817.2	1231.1	2437.1	5055.9	8091.4	9188.5	8915.2
75°	477.6	506.8	555.9	578.4	699.2	1217.9	2897.4	5684.8	7743.8	7863.2
77.5°	355.5	356.9	424.5	451.1	498.8	648.7	1225.8	3173.4	4807.8	5048.0
80°	301.2	285.2	283.9	363.5	375.4	404.6	547.9	1095.8	1722.0	1044.1
82.5°	250.7	233.5	210.9	283.9	256.0	248.1	237.5	445.8	547.9	269.3
85°	175.1	167.2	159.2	185.7	145.9	124.7	114.1	208.3	230.8	114.1
87.5°	75.6	78.3	79.6	82.3	61.0	43.8	43.8	58.4	58.4	45.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2783.4
2800.6
2868.3
2983.7
3119.0
3253.0
3394.9
3502.4
3590.0
3672.2
3765.1
3861.9
3969.4
4129.9
4321.0
4546.5
4823.8
5118.3
5428.7
5773.7
6122.6
6462.2
6805.8
7146.8
7463.8
7706.6
7952.1
8241.3
8521.2
8872.8
7574.0
4502.7
789.4
229.5
100.8
33.2
0.0

OF REPORT)