

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: P955880

Luminaire Tested: **GALN-SB8C-950-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955880
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-SB8C-950-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43381 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

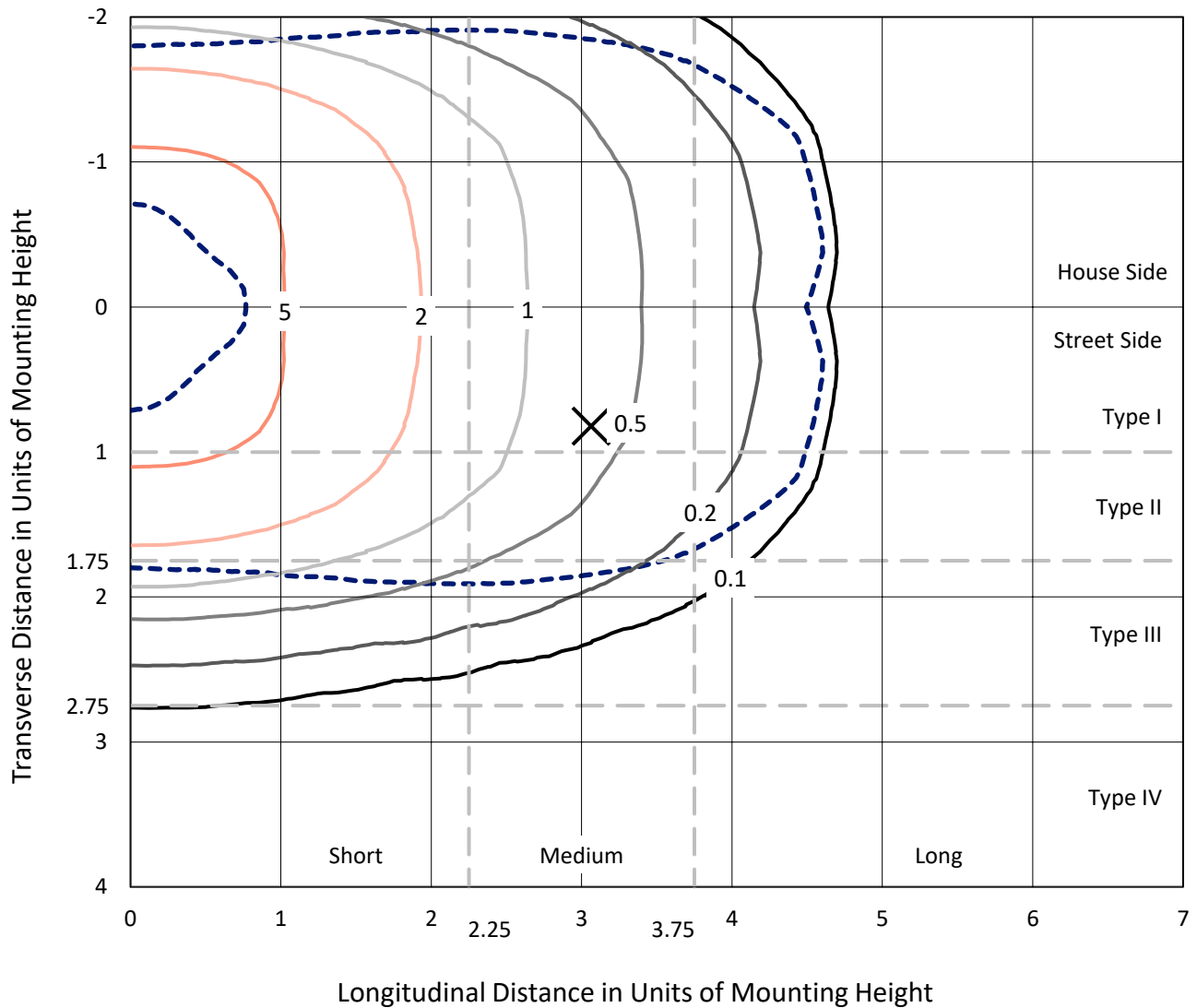
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

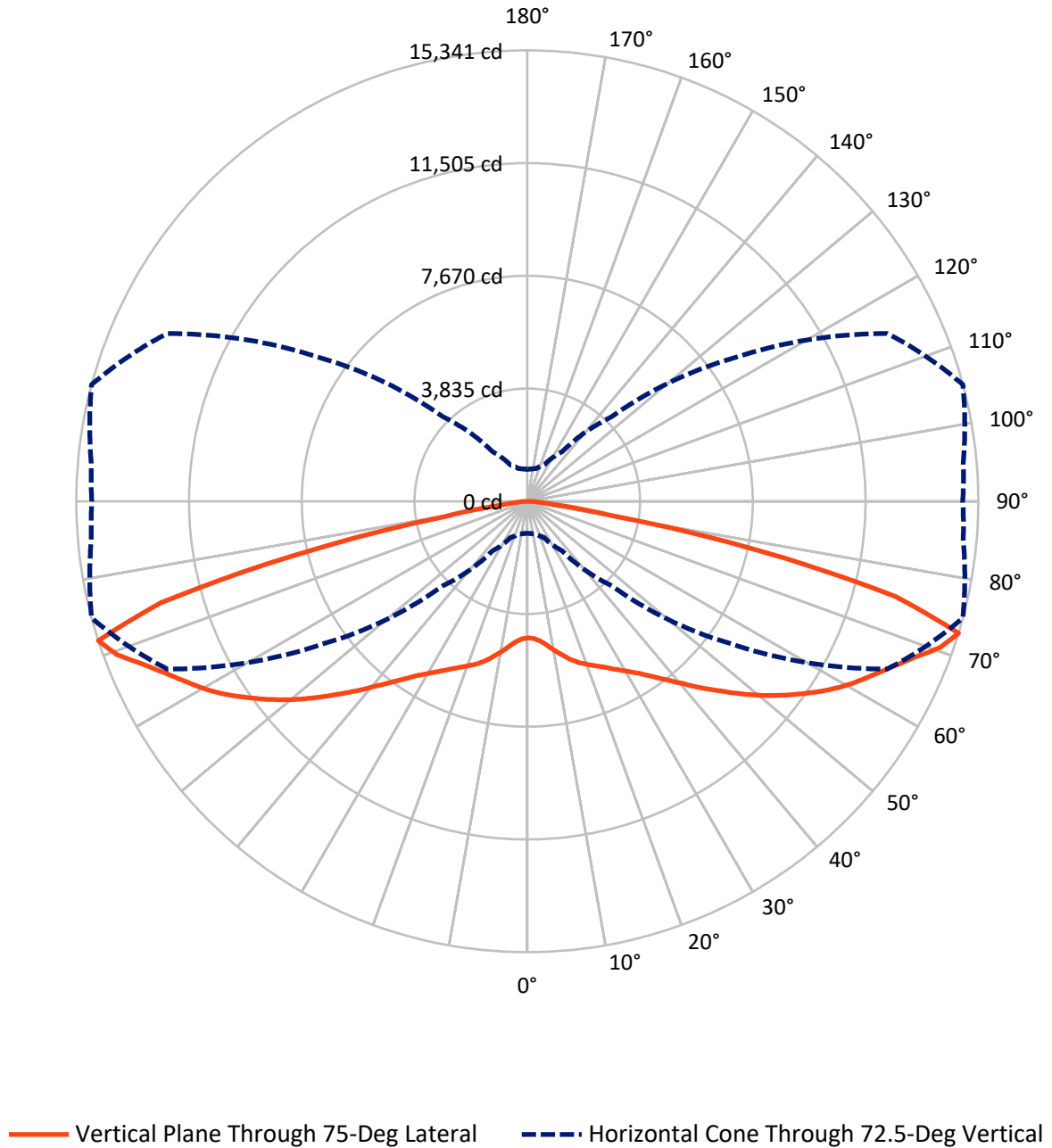
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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	21690.5	0.0	21690.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21690.5	0.0	21690.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	43381.0	0.0	43381.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.2	1.0
10°-20°	1501.4	3.5
20°-30°	2901.0	6.7
30°-40°	4898.6	11.3
40°-50°	7768.6	17.9
50°-60°	10401.3	24.0
60°-70°	9898.7	22.8
70°-80°	5165.3	11.9
80°-90°	391.0	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°	43381.0	100.0
0°-180°	43381.0	100.0



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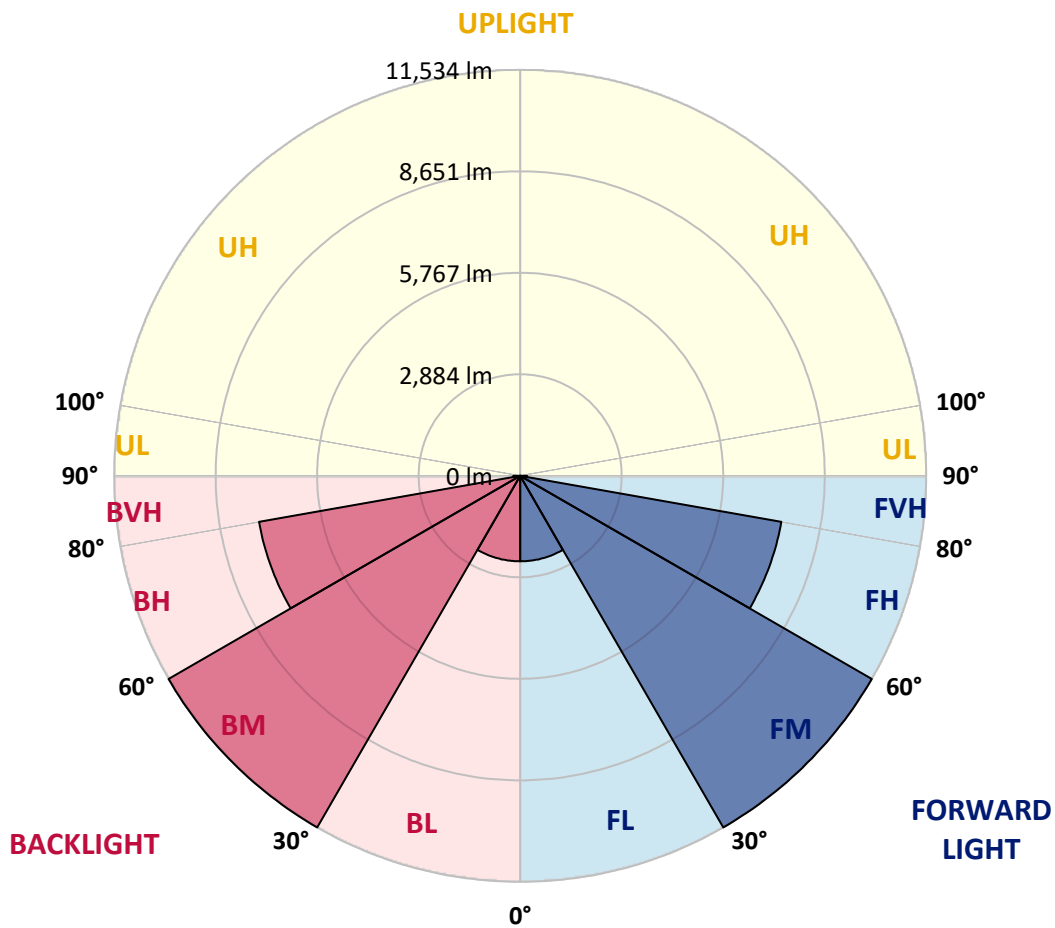
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2428.8	5.6			
FM (30°-60°)	11534.2	26.6			
FH (60°-80°)	7532.0	17.4			G4/12000
FVH (80°-90°)	195.5	0.5			G2/225
BL (0°-30°)	2428.8	5.6	B3/2500		
BM (30°-60°)	11534.2	26.6	B5		
BH (60°-80°)	7532.0	17.4	B5		G5
BVH (80°-90°)	195.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4646.9	4646.9	4646.9	4646.9	4646.9	4646.9	4646.9	4646.9	4646.9	4646.9
2.5°	4646.9	4642.5	4646.9	4651.3	4649.1	4649.1	4660.2	4666.8	4680.1	4677.9
5°	4615.9	4613.7	4631.4	4651.3	4666.8	4693.4	4726.6	4751.0	4782.0	4788.6
7.5°	4600.4	4593.7	4624.7	4660.2	4708.9	4775.3	4839.6	4906.0	4959.2	4976.9
10°	4611.4	4613.7	4655.7	4722.2	4799.7	4892.7	4983.5	5096.5	5171.8	5189.5
12.5°	4662.4	4658.0	4728.8	4835.1	4941.5	5058.9	5165.2	5289.2	5371.2	5413.2
15°	4755.4	4746.6	4846.2	5003.5	5158.5	5295.9	5382.2	5499.6	5594.9	5648.0
17.5°	4866.2	4870.6	5001.3	5205.0	5408.8	5563.9	5645.8	5705.6	5778.7	5825.2
20°	5061.1	5069.9	5216.1	5457.5	5690.1	5867.3	5933.7	5911.6	5931.5	5967.0
22.5°	5322.4	5326.9	5490.8	5752.1	5995.8	6190.7	6235.0	6144.2	6088.8	6113.2
25°	5625.9	5654.7	5818.6	6086.6	6336.9	6522.9	6542.8	6405.5	6268.2	6274.8
27.5°	5995.8	6022.3	6188.5	6454.2	6709.0	6870.7	6868.4	6684.6	6483.0	6432.1
30°	6396.7	6425.5	6596.0	6870.7	7107.6	7249.4	7218.4	6999.1	6711.2	6615.9
32.5°	6872.9	6890.6	7063.3	7338.0	7557.3	7670.2	7606.0	7335.8	6977.0	6868.4
35°	7448.7	7475.3	7603.8	7862.9	8055.6	8148.7	8040.1	7721.2	7318.1	7196.2
37.5°	8106.6	8088.9	8235.0	8465.4	8624.9	8682.4	8534.0	8155.3	7707.9	7563.9
40°	8793.2	8784.3	8943.8	9165.3	9251.7	9287.1	9067.8	8653.7	8157.5	8002.5
42.5°	9415.6	9408.9	9623.8	9869.6	9973.7	9933.9	9657.0	9183.0	8678.0	8500.8
45°	9913.9	9905.1	10168.7	10514.2	10718.0	10651.5	10279.4	9767.8	9205.2	9021.3
47.5°	10297.1	10301.5	10585.1	11012.5	11369.1	11393.5	10915.1	10363.6	9785.5	9577.3
50°	10574.0	10587.3	10890.7	11364.7	11852.0	12066.8	11564.0	10974.9	10385.7	10150.9
52.5°	10642.6	10667.0	11032.5	11588.4	12162.1	12571.8	12224.1	11561.8	10954.9	10731.2
55°	10277.2	10325.9	10788.8	11570.7	12352.6	12904.1	12804.4	12157.6	11528.6	11298.3
57.5°	9437.7	9506.4	10046.8	11067.9	12310.5	13132.2	13254.0	12729.1	12102.3	11880.8
60°	8261.6	8343.6	8861.9	9976.0	11716.9	13216.4	13570.8	13285.0	12629.4	12414.6
62.5°	6487.5	6593.8	7214.0	8520.8	10463.2	12824.3	13841.0	13787.8	13103.4	12835.4
65°	4161.8	4274.8	4928.2	6472.0	8791.0	11623.8	13925.1	14277.3	13604.0	13229.7
67.5°	2509.5	2560.4	2883.8	3922.6	6425.5	9814.3	13211.9	14820.0	14188.7	13723.6
70°	1605.8	1634.6	1827.3	2303.5	3632.5	7160.8	11444.4	14921.9	14897.5	14230.8
72.5°	1089.7	1098.6	1149.5	1364.4	2055.4	4068.8	8441.0	13508.7	15340.5	14884.2
75°	797.4	846.1	928.0	965.7	1167.3	2033.3	4837.4	9490.9	12928.4	13127.8
77.5°	593.6	595.8	708.8	753.1	832.8	1083.1	2046.6	5298.1	8026.8	8427.7
80°	502.8	476.2	474.0	606.9	626.8	675.5	914.8	1829.5	2875.0	1743.1
82.5°	418.6	389.8	352.2	474.0	427.5	414.2	396.5	744.2	914.8	449.6
85°	292.4	279.1	265.8	310.1	243.6	208.2	190.5	347.7	385.4	190.5
87.5°	126.2	130.7	132.9	137.3	101.9	73.1	73.1	97.5	97.5	75.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4646.9
4675.7
4788.6
4981.3
5207.3
5431.0
5668.0
5847.4
5993.5
6130.9
6285.9
6447.6
6627.0
6895.0
7214.0
7590.5
8053.4
8545.1
9063.4
9639.3
10221.8
10788.8
11362.5
11931.7
12461.1
12866.4
13276.2
13759.0
14226.4
14813.3
12644.9
7517.4
1317.9
383.2
168.3
55.4
0.0

OF REPORT)