

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: P956699

Luminaire Tested: **GALN-SB9B-740-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956699
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-SB9B-740-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55877 lumens
Efficiency: N/A
Efficacy: 169.6 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

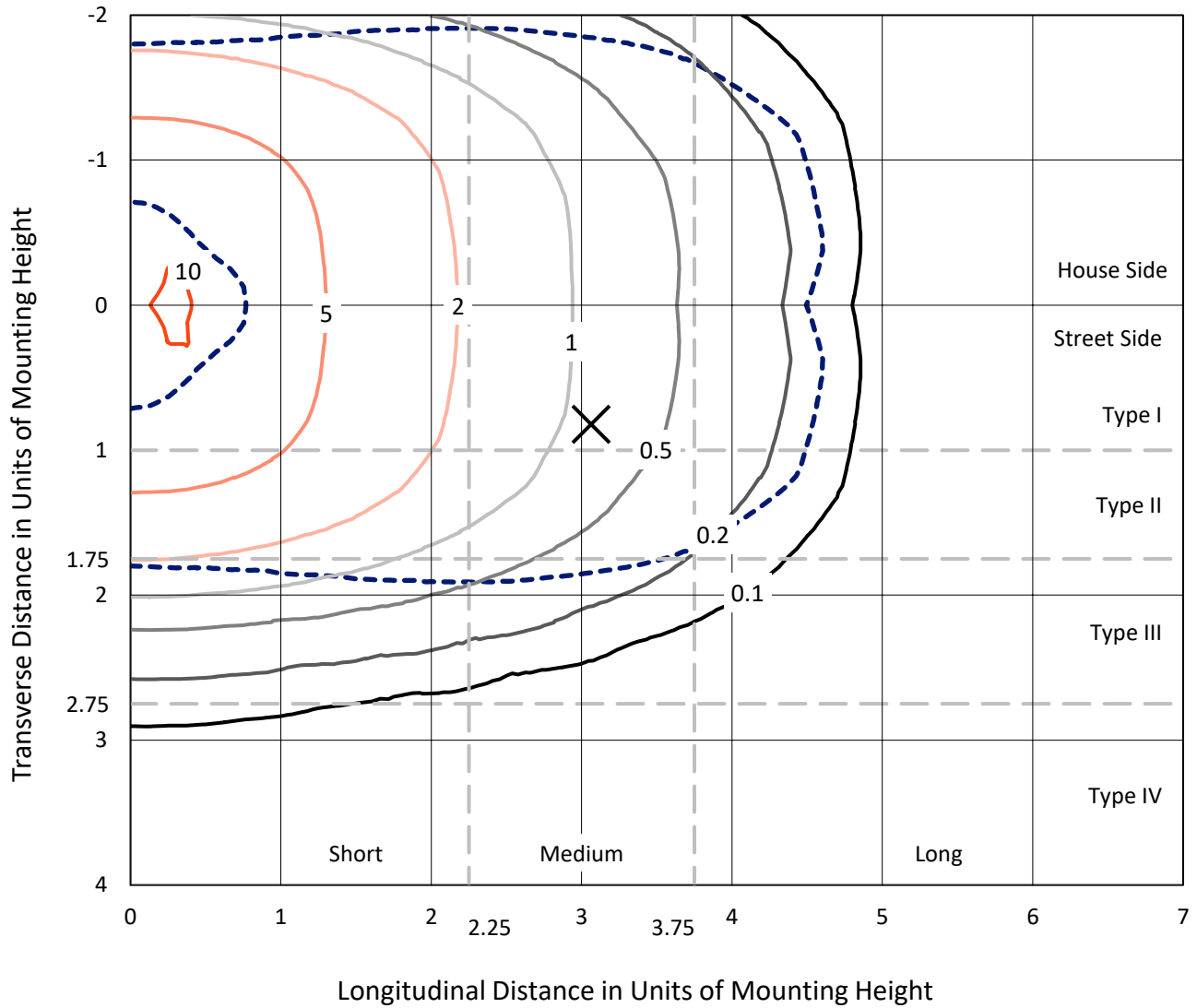
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

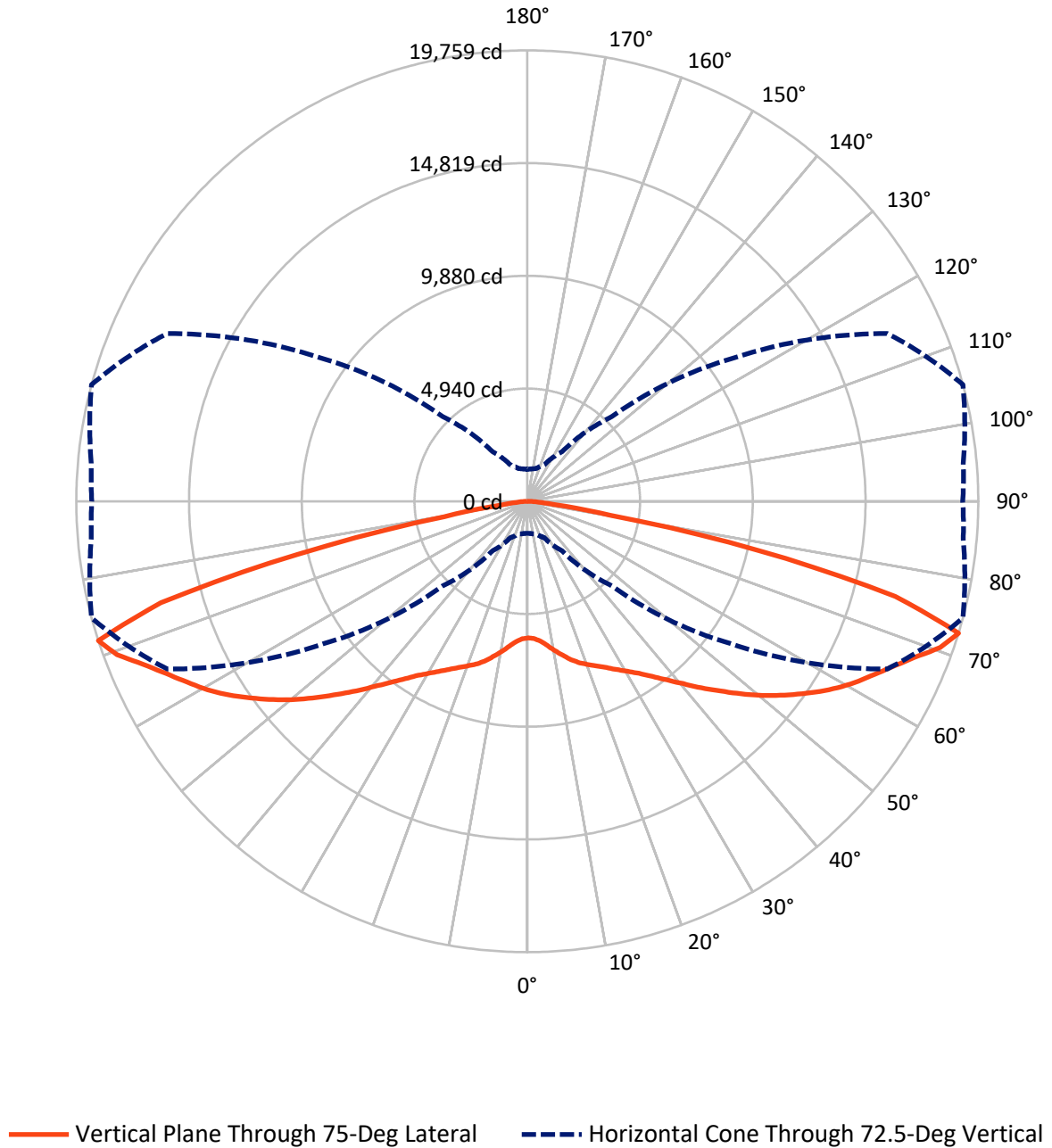
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 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	27938.5	0.0	27938.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27938.5	0.0	27938.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	55877.0	0.0	55877.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	586.3	1.0
10°-20°	1933.8	3.5
20°-30°	3736.7	6.7
30°-40°	6309.6	11.3
40°-50°	10006.4	17.9
50°-60°	13397.4	24.0
60°-70°	12750.0	22.8
70°-80°	6653.2	11.9
80°-90°	503.6	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°	55877.0	100.0
0°-180°	55877.0	100.0

Coefficient of Utilization



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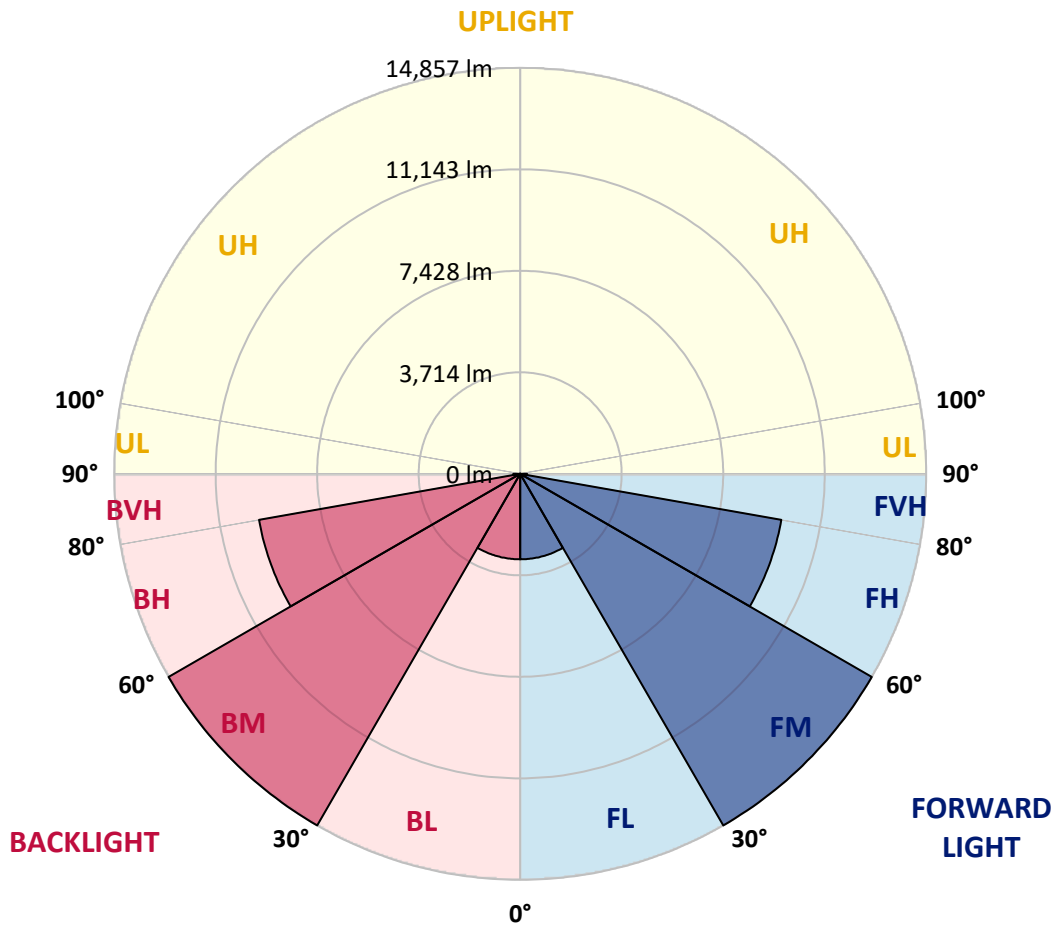
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3128.4	5.6			
FM (30°-60°)	14856.7	26.6			
FH (60°-80°)	9701.6	17.4			G4/12000
FVH (80°-90°)	251.8	0.5			G3/500
BL (0°-30°)	3128.4	5.6	B4/5000		
BM (30°-60°)	14856.7	26.6	B5		
BH (60°-80°)	9701.6	17.4	B5		G5
BVH (80°-90°)	251.8	0.5			G3/500
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°	5985.4	5985.4	5985.4	5985.4	5985.4	5985.4	5985.4	5985.4	5985.4	5985.4
2.5°	5985.4	5979.7	5985.4	5991.1	5988.3	5988.3	6002.5	6011.1	6028.2	6025.4
5°	5945.5	5942.6	5965.5	5991.1	6011.1	6045.3	6088.1	6119.5	6159.5	6168.0
7.5°	5925.5	5917.0	5956.9	6002.5	6065.3	6150.9	6233.6	6319.2	6387.7	6410.5
10°	5939.8	5942.6	5996.8	6082.4	6182.3	6302.1	6419.1	6564.6	6661.6	6684.4
12.5°	6005.4	5999.7	6091.0	6227.9	6364.9	6516.1	6653.0	6812.8	6918.3	6972.5
15°	6125.2	6113.8	6242.2	6444.7	6644.5	6821.3	6932.6	7083.8	7206.5	7274.9
17.5°	6267.9	6273.6	6441.9	6704.4	6966.8	7166.5	7272.1	7349.1	7443.3	7503.2
20°	6518.9	6530.3	6718.6	7029.6	7329.2	7557.4	7643.0	7614.4	7640.1	7685.8
22.5°	6855.6	6861.3	7072.4	7409.0	7722.9	7973.9	8031.0	7914.0	7842.7	7874.1
25°	7246.4	7283.5	7494.6	7839.8	8162.2	8401.9	8427.5	8250.6	8073.8	8082.3
27.5°	7722.9	7757.1	7971.1	8313.4	8641.5	8849.8	8846.9	8610.1	8350.5	8284.9
30°	8239.2	8276.3	8496.0	8849.8	9155.0	9337.6	9297.7	9015.2	8644.3	8521.7
32.5°	8852.6	8875.4	9098.0	9451.7	9734.2	9879.7	9796.9	9448.9	8986.7	8846.9
35°	9594.4	9628.6	9794.1	10127.9	10376.1	10495.9	10356.1	9945.3	9426.0	9269.1
37.5°	10441.7	10418.9	10607.2	10903.9	11109.3	11183.4	10992.3	10504.5	9928.2	9742.7
40°	11326.1	11314.7	11520.1	11805.4	11916.6	11962.3	11679.9	11146.4	10507.3	10307.6
42.5°	12127.8	12119.2	12395.9	12712.6	12846.7	12795.3	12438.7	11828.2	11177.7	10949.5
45°	12769.7	12758.3	13097.8	13542.8	13805.3	13719.7	13240.4	12581.4	11856.7	11619.9
47.5°	13263.2	13268.9	13634.1	14184.7	14644.0	14675.4	14059.2	13348.8	12604.2	12336.0
50°	13619.8	13637.0	14027.8	14638.3	15266.0	15542.7	14895.1	14136.2	13377.3	13074.9
52.5°	13708.3	13739.7	14210.4	14926.5	15665.4	16193.2	15745.3	14892.2	14110.5	13822.4
55°	13237.6	13300.3	13896.6	14903.7	15910.7	16621.1	16492.7	15659.7	14849.5	14552.7
57.5°	12156.3	12244.7	12940.8	14256.0	15856.5	16915.0	17071.9	16395.7	15588.4	15303.1
60°	10641.4	10747.0	11414.5	12849.6	15091.9	17023.4	17479.8	17111.8	16267.4	15990.6
62.5°	8356.2	8493.1	9292.0	10975.2	13477.2	16518.4	17827.9	17759.4	16877.9	16532.7
65°	5360.6	5506.1	6347.7	8336.2	11323.2	14972.1	17936.3	18389.9	17522.6	17040.5
67.5°	3232.4	3298.0	3714.5	5052.5	8276.3	12641.3	17017.7	19088.9	18275.8	17676.7
70°	2068.4	2105.5	2353.7	2967.0	4678.8	9223.5	14741.0	19220.1	19188.7	18330.0
72.5°	1403.6	1415.0	1480.7	1757.4	2647.5	5240.8	10872.5	17400.0	19759.3	19171.6
75°	1027.1	1089.8	1195.4	1243.9	1503.5	2619.0	6230.8	12224.8	16652.5	16909.3
77.5°	764.6	767.4	912.9	970.0	1072.7	1395.1	2636.1	6824.2	10339.0	10855.4
80°	647.6	613.4	610.5	781.7	807.4	870.1	1178.3	2356.5	3703.1	2245.2
82.5°	539.2	502.1	453.6	610.5	550.6	533.5	510.7	958.6	1178.3	579.1
85°	376.6	359.5	342.4	399.4	313.8	268.2	245.4	447.9	496.4	245.4
87.5°	162.6	168.3	171.2	176.9	131.2	94.1	94.1	125.5	125.5	97.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5985.4
6022.5
6168.0
6416.2
6707.2
6995.4
7300.6
7531.7
7720.0
7896.9
8096.6
8304.9
8535.9
8881.1
9292.0
9777.0
10373.2
11006.6
11674.2
12415.9
13166.2
13896.6
14635.5
15368.7
16050.5
16572.6
17100.4
17722.3
18324.3
19080.3
16287.3
9682.8
1697.5
493.6
216.8
71.3
0.0

OF REPORT)