

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: P953486

Luminaire Tested: **GALN-SB7A-740-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953486
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-SB7A-740-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34755 lumens
Efficiency: N/A
Efficacy: 174.6 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

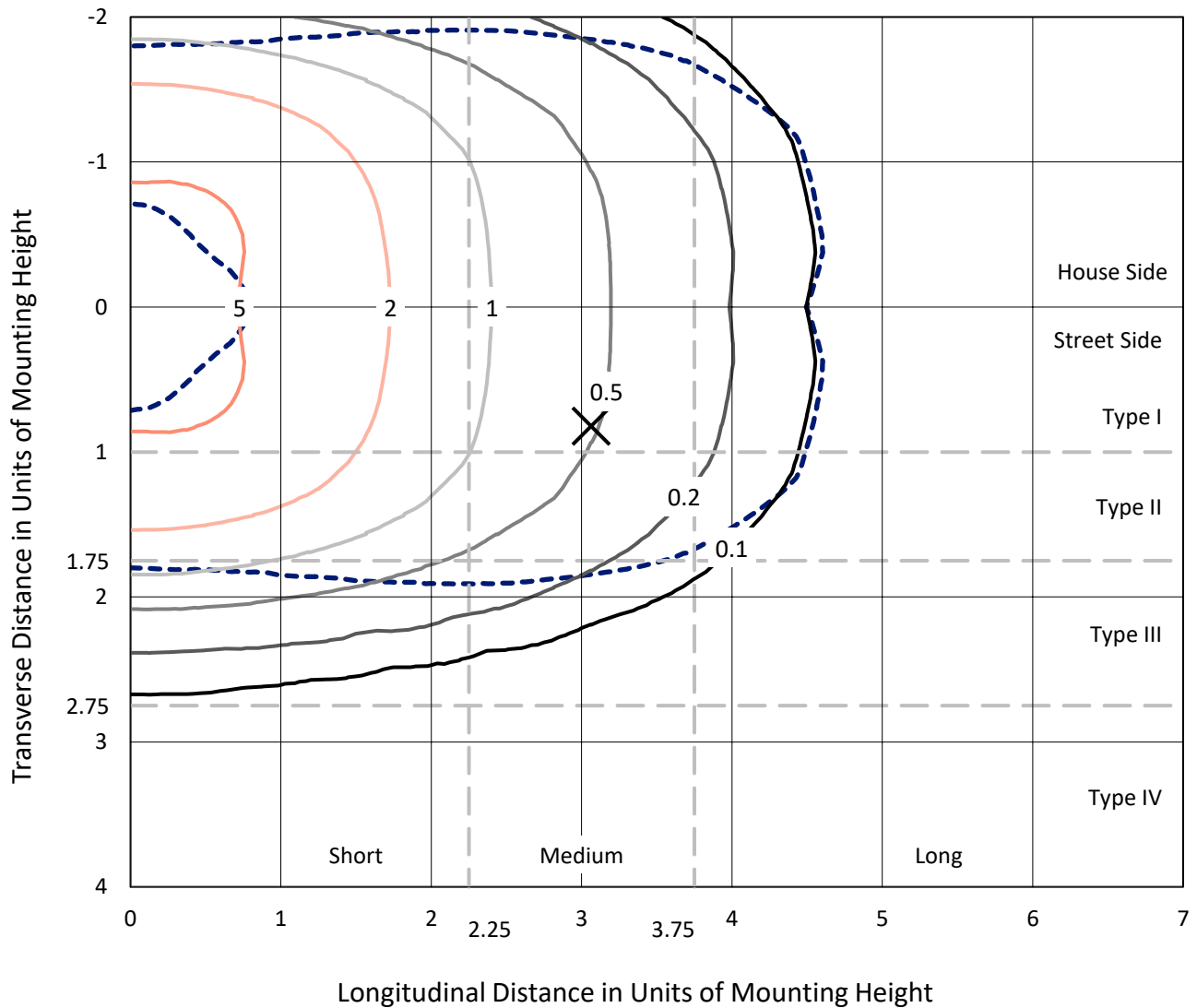
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

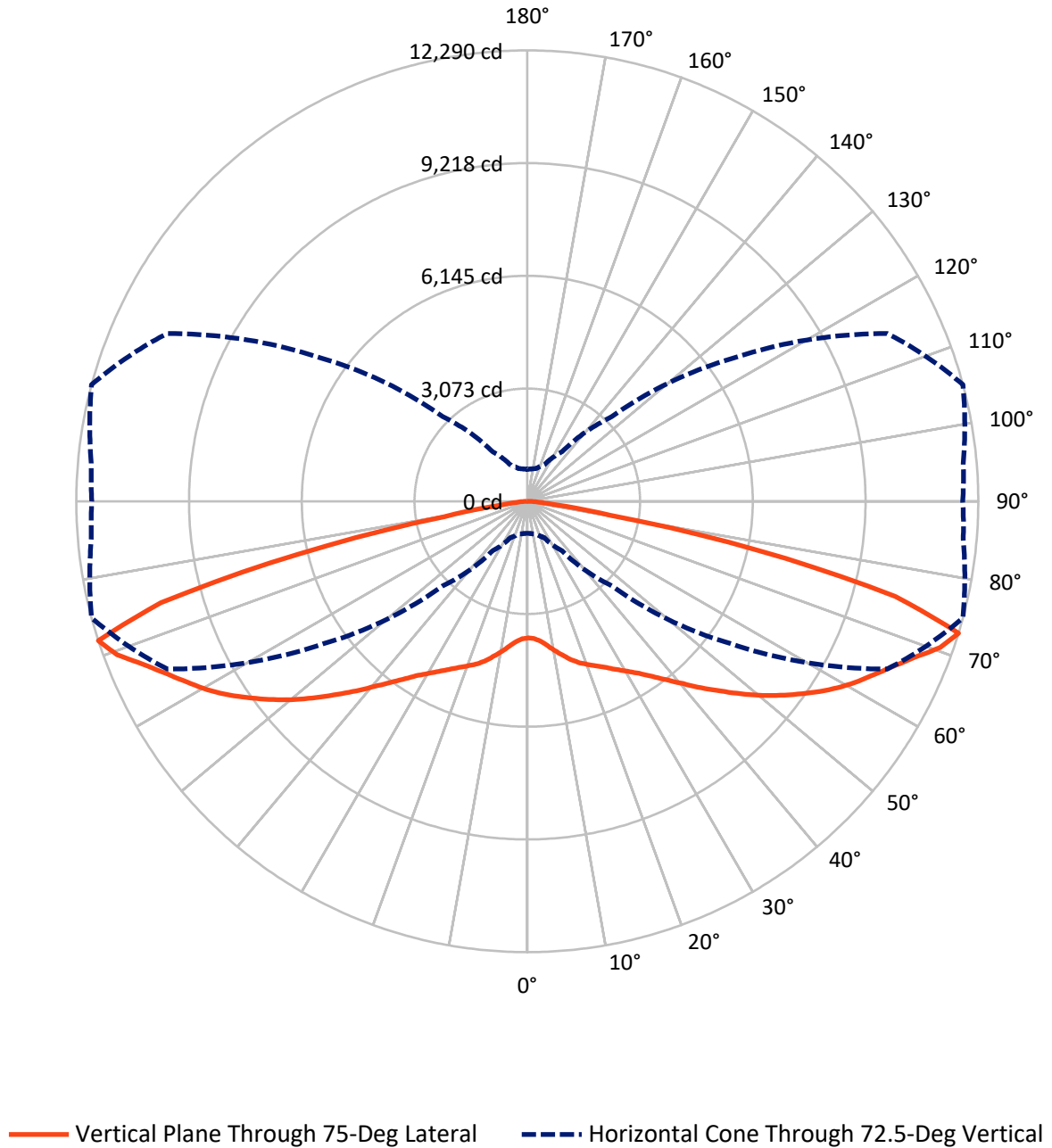
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	17377.5	0.0	17377.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17377.5	0.0	17377.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34755.0	0.0	34755.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.7	1.0
10°-20°	1202.8	3.5
20°-30°	2324.2	6.7
30°-40°	3924.5	11.3
40°-50°	6223.9	17.9
50°-60°	8333.0	24.0
60°-70°	7930.4	22.8
70°-80°	4138.2	11.9
80°-90°	313.2	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°	34755.0	100.0
0°-180°	34755.0	100.0

Coefficient of Utilization



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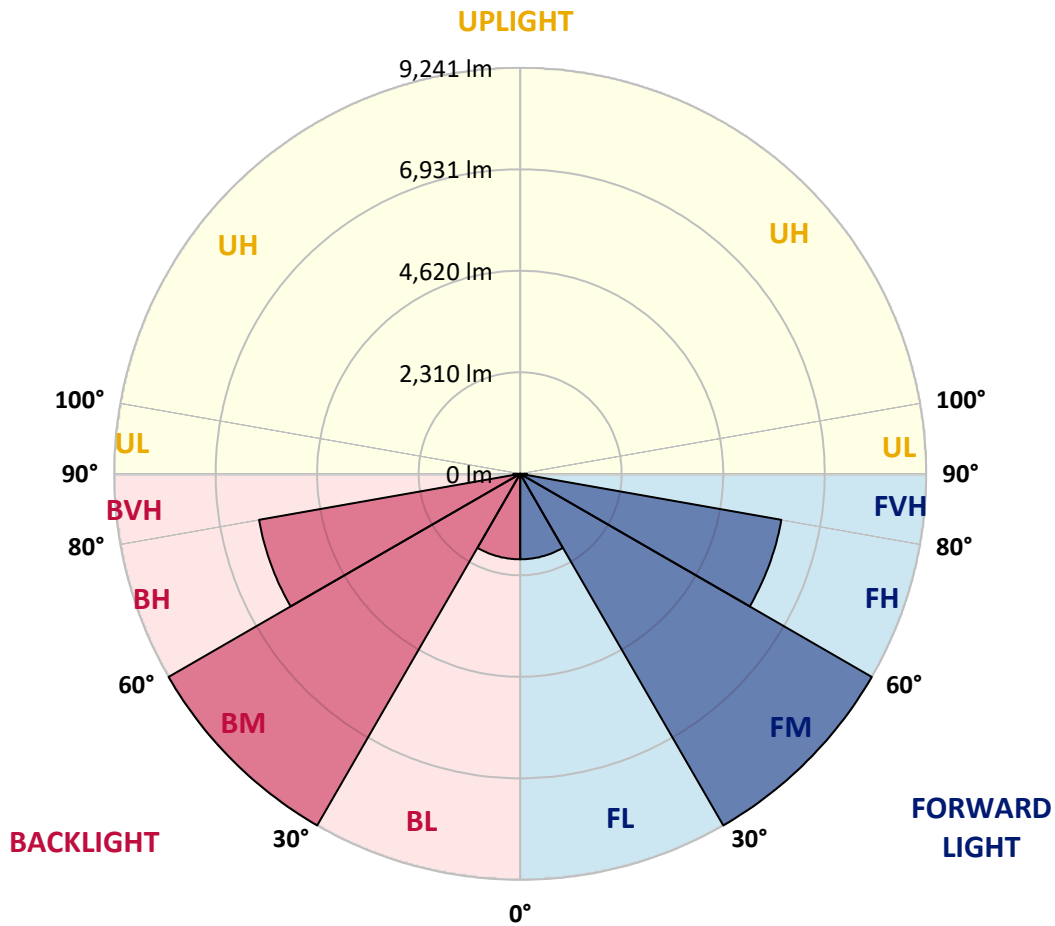
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1945.8	5.6			
FM (30°-60°)	9240.7	26.6			
FH (60°-80°)	6034.3	17.4			G3/7500
FVH (80°-90°)	156.6	0.5			G2/225
BL (0°-30°)	1945.8	5.6	B3/2500		
BM (30°-60°)	9240.7	26.6	B5		
BH (60°-80°)	6034.3	17.4	B5		G5
BVH (80°-90°)	156.6	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°	3722.9	3722.9	3722.9	3722.9	3722.9	3722.9	3722.9	3722.9	3722.9	3722.9
2.5°	3722.9	3719.3	3722.9	3726.4	3724.7	3724.7	3733.5	3738.9	3749.5	3747.7
5°	3698.0	3696.3	3710.5	3726.4	3738.9	3760.1	3786.8	3806.3	3831.1	3836.5
7.5°	3685.6	3680.3	3705.1	3733.5	3772.6	3825.8	3877.3	3930.5	3973.1	3987.3
10°	3694.5	3696.3	3730.0	3783.2	3845.3	3919.9	3992.6	4083.1	4143.4	4157.6
12.5°	3735.3	3731.8	3788.5	3873.7	3958.9	4052.9	4138.1	4237.5	4303.1	4336.9
15°	3809.8	3802.7	3882.6	4008.6	4132.8	4242.8	4312.0	4406.1	4482.4	4525.0
17.5°	3898.6	3902.1	4006.8	4170.1	4333.3	4457.5	4523.2	4571.1	4629.6	4666.9
20°	4054.7	4061.8	4178.9	4372.3	4558.7	4700.6	4753.9	4736.1	4752.1	4780.5
22.5°	4264.1	4267.7	4399.0	4608.4	4803.5	4959.7	4995.2	4922.4	4878.1	4897.6
25°	4507.2	4530.3	4661.6	4876.3	5076.8	5225.9	5241.8	5131.8	5021.8	5027.1
27.5°	4803.5	4824.8	4957.9	5170.9	5374.9	5504.5	5502.7	5355.4	5193.9	5153.1
30°	5124.7	5147.8	5284.4	5504.5	5694.3	5807.9	5783.1	5607.4	5376.7	5300.4
32.5°	5506.2	5520.4	5658.9	5878.9	6054.6	6145.1	6093.6	5877.1	5589.6	5502.7
35°	5967.6	5988.9	6091.8	6299.4	6453.8	6528.4	6441.4	6185.9	5862.9	5765.3
37.5°	6494.6	6480.4	6597.6	6782.1	6909.9	6956.0	6837.1	6533.7	6175.2	6059.9
40°	7044.7	7037.6	7165.4	7342.8	7412.0	7440.4	7264.8	6932.9	6535.5	6411.2
42.5°	7543.4	7538.0	7710.2	7907.1	7990.5	7958.6	7736.8	7357.0	6952.5	6810.5
45°	7942.6	7935.5	8146.7	8423.5	8586.8	8533.5	8235.4	7825.5	7374.8	7227.5
47.5°	8249.6	8253.2	8480.3	8822.8	9108.5	9128.0	8744.7	8302.8	7839.7	7672.9
50°	8471.4	8482.1	8725.2	9104.9	9495.3	9667.4	9264.6	8792.6	8320.6	8132.5
52.5°	8526.4	8545.9	8838.7	9284.1	9743.7	10072.0	9793.4	9262.8	8776.6	8597.4
55°	8233.6	8272.7	8643.5	9269.9	9896.3	10338.2	10258.3	9740.2	9236.2	9051.7
57.5°	7561.1	7616.1	8049.1	8867.1	9862.6	10521.0	10618.6	10198.0	9695.8	9518.4
60°	6618.9	6684.5	7099.7	7992.3	9387.1	10588.4	10872.3	10643.4	10118.1	9946.0
62.5°	5197.5	5282.7	5779.5	6826.5	8382.7	10274.3	11088.8	11046.2	10497.9	10283.2
65°	3334.3	3424.8	3948.2	5185.1	7043.0	9312.5	11156.2	11438.4	10898.9	10599.0
67.5°	2010.5	2051.3	2310.4	3142.6	5147.8	7862.8	10584.8	11873.1	11367.4	10994.7
70°	1286.5	1309.6	1464.0	1845.5	2910.2	5736.9	9168.8	11954.7	11935.2	11401.1
72.5°	873.0	880.1	921.0	1093.1	1646.7	3259.7	6762.6	10822.6	12290.1	11924.6
75°	638.8	677.9	743.5	773.7	935.2	1629.0	3875.5	7603.7	10357.7	10517.4
77.5°	475.6	477.3	567.8	603.3	667.2	867.7	1639.6	4244.6	6430.8	6751.9
80°	402.8	381.5	379.7	486.2	502.2	541.2	732.9	1465.7	2303.3	1396.5
82.5°	335.4	312.3	282.1	379.7	342.5	331.8	317.6	596.2	732.9	360.2
85°	234.2	223.6	212.9	248.4	195.2	166.8	152.6	278.6	308.8	152.6
87.5°	101.1	104.7	106.5	110.0	81.6	58.6	58.6	78.1	78.1	60.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3722.9
3746.0
3836.5
3990.8
4171.8
4351.1
4540.9
4684.7
4801.8
4911.8
5036.0
5165.5
5309.3
5524.0
5779.5
6081.2
6452.1
6846.0
7261.2
7722.6
8189.3
8643.5
9103.1
9559.2
9983.3
10308.0
10636.3
11023.1
11397.6
<i>11867.8</i>
10130.6
6022.6
1055.8
307.0
134.9
44.4
0.0

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