

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: P955796

Luminaire Tested: **GALN-SB8C-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955796
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-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37958 lumens
Efficiency: N/A
Efficacy: 94.9 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

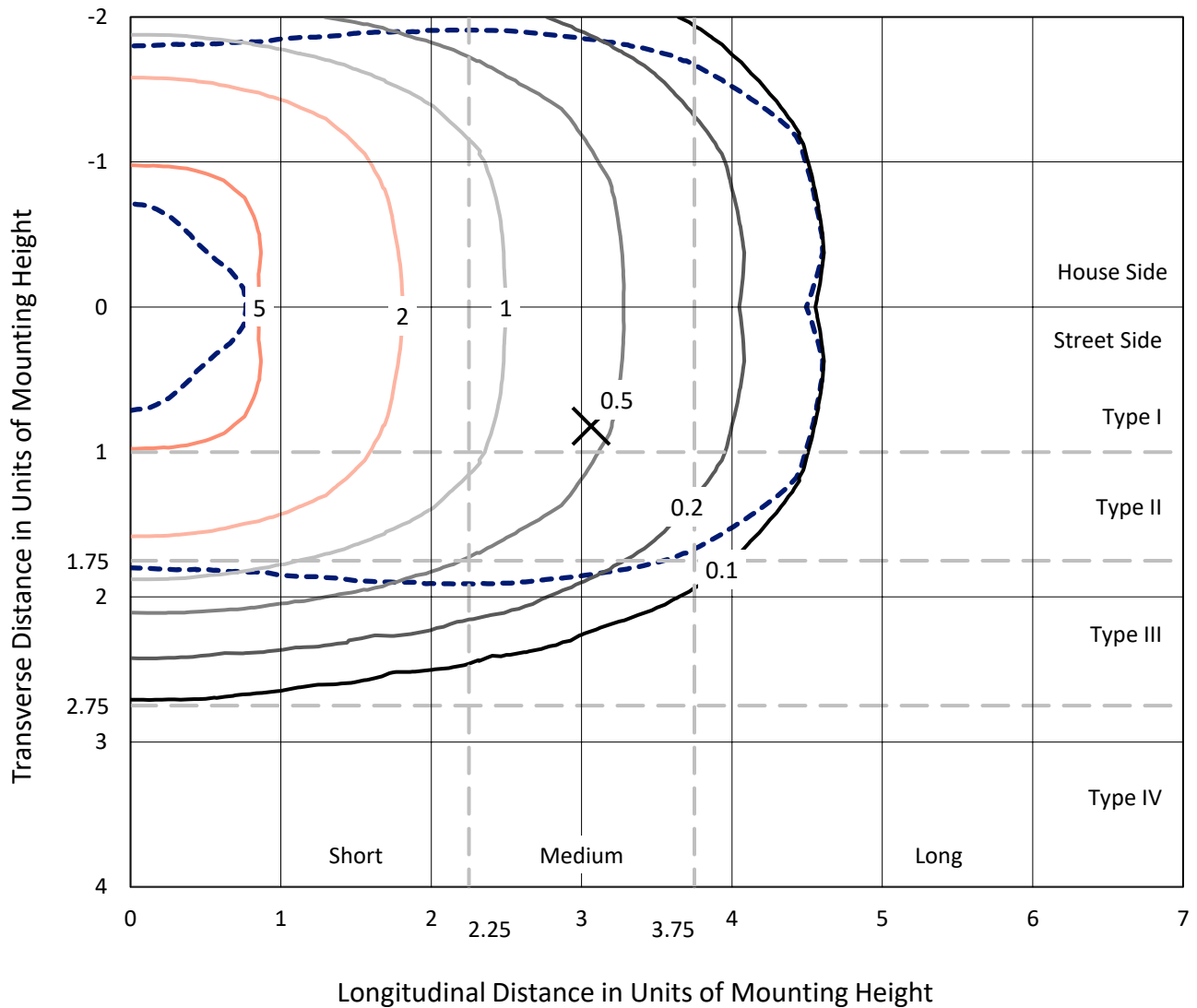
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

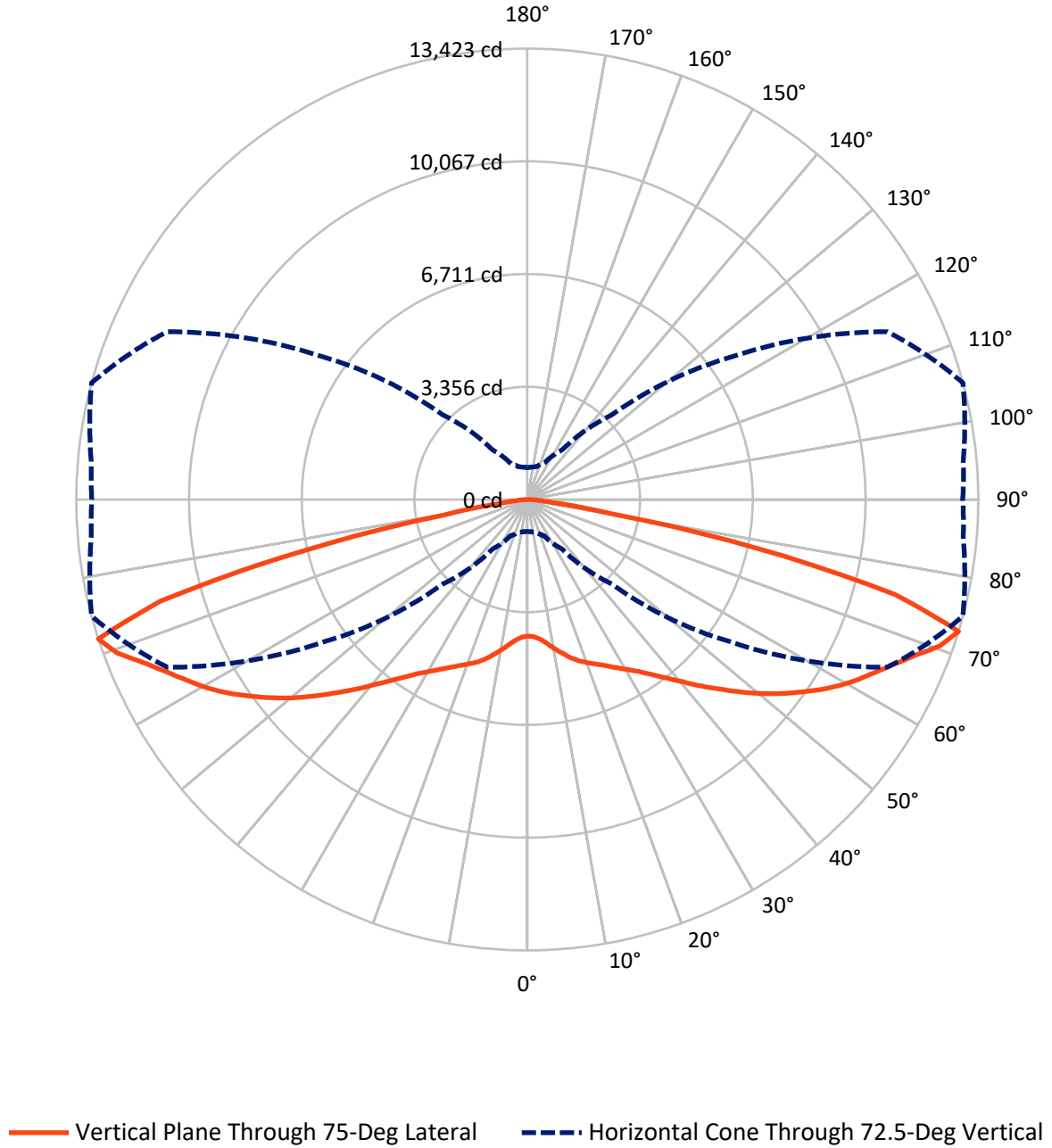
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	18979.0	0.0	18979.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18979.0	0.0	18979.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	37958.0	0.0	37958.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.3	1.0
10°-20°	1313.7	3.5
20°-30°	2538.4	6.7
30°-40°	4286.2	11.3
40°-50°	6797.5	17.9
50°-60°	9101.0	24.0
60°-70°	8661.2	22.8
70°-80°	4519.6	11.9
80°-90°	342.1	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°	37958.0	100.0
0°-180°	37958.0	100.0



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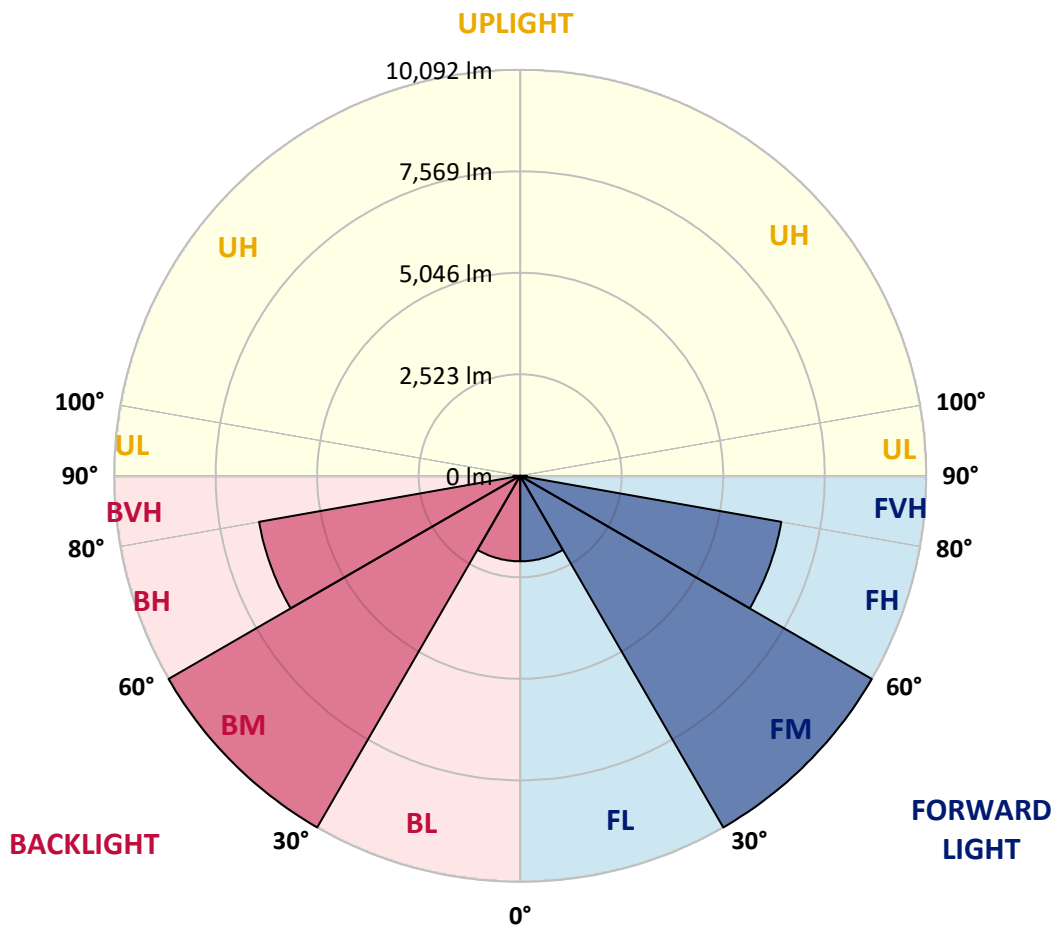
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2125.2	5.6			
FM (30°-60°)	10092.3	26.6			
FH (60°-80°)	6590.4	17.4			G3/7500
FVH (80°-90°)	171.1	0.5			G2/225
BL (0°-30°)	2125.2	5.6	B3/2500		
BM (30°-60°)	10092.3	26.6	B5		
BH (60°-80°)	6590.4	17.4	B5		G5
BVH (80°-90°)	171.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4066.0	4066.0	4066.0	4066.0	4066.0	4066.0	4066.0	4066.0	4066.0	4066.0
2.5°	4066.0	4062.1	4066.0	4069.9	4067.9	4067.9	4077.6	4083.4	4095.1	4093.1
5°	4038.8	4036.9	4052.4	4069.9	4083.4	4106.7	4135.8	4157.1	4184.2	4190.0
7.5°	4025.3	4019.5	4046.6	4077.6	4120.2	4178.4	4234.6	4292.7	4339.2	4354.7
10°	4035.0	4036.9	4073.7	4131.9	4199.7	4281.1	4360.6	4459.4	4525.3	4540.8
12.5°	4079.5	4075.7	4137.7	4230.7	4323.7	4426.5	4519.5	4628.0	4699.7	4736.5
15°	4160.9	4153.2	4240.4	4378.0	4513.7	4633.8	4709.4	4812.1	4895.5	4942.0
17.5°	4257.8	4261.7	4376.1	4554.4	4732.7	4868.3	4940.0	4992.4	5056.3	5097.0
20°	4428.4	4436.1	4564.1	4775.3	4978.8	5133.8	5192.0	5172.6	5190.0	5221.0
22.5°	4657.1	4661.0	4804.4	5033.1	5246.2	5416.8	5455.5	5376.1	5327.6	5349.0
25°	4922.6	4947.8	5091.2	5325.7	5544.7	5707.5	5724.9	5604.8	5484.6	5490.4
27.5°	5246.2	5269.5	5414.8	5647.4	5870.3	6011.8	6009.8	5849.0	5672.6	5628.0
30°	5597.0	5622.2	5771.4	6011.8	6219.1	6343.2	6316.0	6124.2	5872.2	5788.9
32.5°	6013.7	6029.2	6180.4	6420.7	6612.5	6711.4	6655.2	6418.7	6104.8	6009.8
35°	6517.6	6540.8	6653.2	6880.0	7048.6	7130.0	7035.0	6756.0	6403.2	6296.7
37.5°	7093.2	7077.7	7205.6	7407.1	7546.7	7597.1	7467.2	7135.8	6744.3	6618.4
40°	7694.0	7686.2	7825.8	8019.6	8095.1	8126.1	7934.3	7571.9	7137.8	7002.1
42.5°	8238.6	8232.7	8420.7	8635.8	8726.9	8692.1	8449.8	8035.1	7593.2	7438.1
45°	8674.6	8666.9	8897.5	9199.8	9378.1	9320.0	8994.4	8546.7	8054.4	7893.6
47.5°	9009.9	9013.8	9261.8	9635.9	9947.9	9969.2	9550.6	9068.0	8562.2	8380.0
50°	9252.1	9263.8	9529.3	9944.0	10370.4	10558.4	10118.4	9602.9	9087.4	8882.0
52.5°	9312.2	9333.5	9653.3	10139.8	10641.7	11000.2	10696.0	10116.5	9585.5	9389.7
55°	8992.4	9035.1	9440.1	10124.3	10808.4	11290.9	11203.7	10637.8	10087.4	9885.9
57.5°	8257.9	8318.0	8790.9	9684.3	10771.6	11490.6	11597.2	11137.8	10589.4	10395.6
60°	7228.8	7300.5	7754.0	8728.9	10252.2	11564.2	11874.3	11624.3	11050.6	10862.6
62.5°	5676.5	5769.5	6312.2	7455.6	9155.2	11221.2	12110.7	12064.2	11465.4	11230.9
65°	3641.6	3740.4	4312.1	5662.9	7692.0	10170.8	12184.4	12492.5	11903.4	11575.8
67.5°	2195.8	2240.4	2523.3	3432.2	5622.2	8587.4	11560.3	12967.3	12415.0	12008.0
70°	1405.1	1430.3	1598.9	2015.5	3178.4	6265.6	10013.8	13056.5	13035.2	12451.8
72.5°	953.5	961.3	1005.8	1193.8	1798.5	3560.2	7385.8	11820.0	13422.8	13023.5
75°	697.7	740.3	812.0	845.0	1021.3	1779.1	4232.7	8304.4	11312.3	11486.7
77.5°	519.4	521.3	620.2	658.9	728.7	947.7	1790.7	4635.8	7023.4	7374.2
80°	439.9	416.7	414.7	531.0	548.5	591.1	800.4	1600.8	2515.6	1525.2
82.5°	366.3	341.1	308.1	414.7	374.0	362.4	346.9	651.2	800.4	393.4
85°	255.8	244.2	232.6	271.3	213.2	182.2	166.7	304.3	337.2	166.7
87.5°	110.5	114.3	116.3	120.2	89.1	64.0	64.0	85.3	85.3	65.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4066.0
4091.2
4190.0
4358.6
4556.3
4752.0
4959.4
5116.4
5244.3
5364.5
5500.1
5641.6
5798.6
6033.1
6312.2
6641.6
7046.7
7476.9
7930.4
8434.3
8944.0
9440.1
9942.1
10440.2
10903.3
11258.0
11616.5
12039.0
12447.9
12961.5
11064.2
6577.7
1153.1
335.3
147.3
48.5
0.0

OF REPORT)