

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: P954368

Luminaire Tested: **GALN-SB7C-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954368
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-SB7C-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 33384 lumens
Efficiency: N/A
Efficacy: 95.2 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

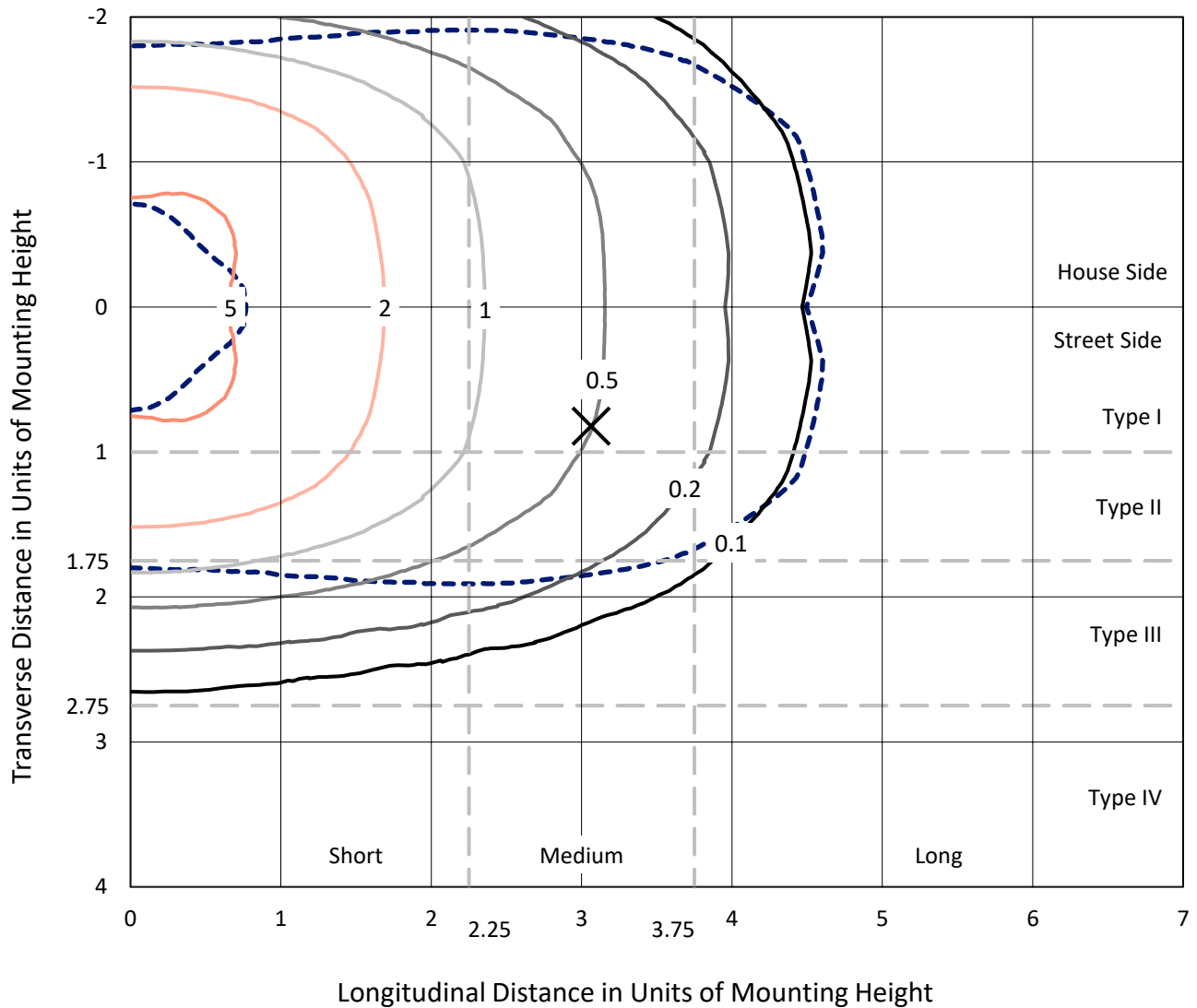
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

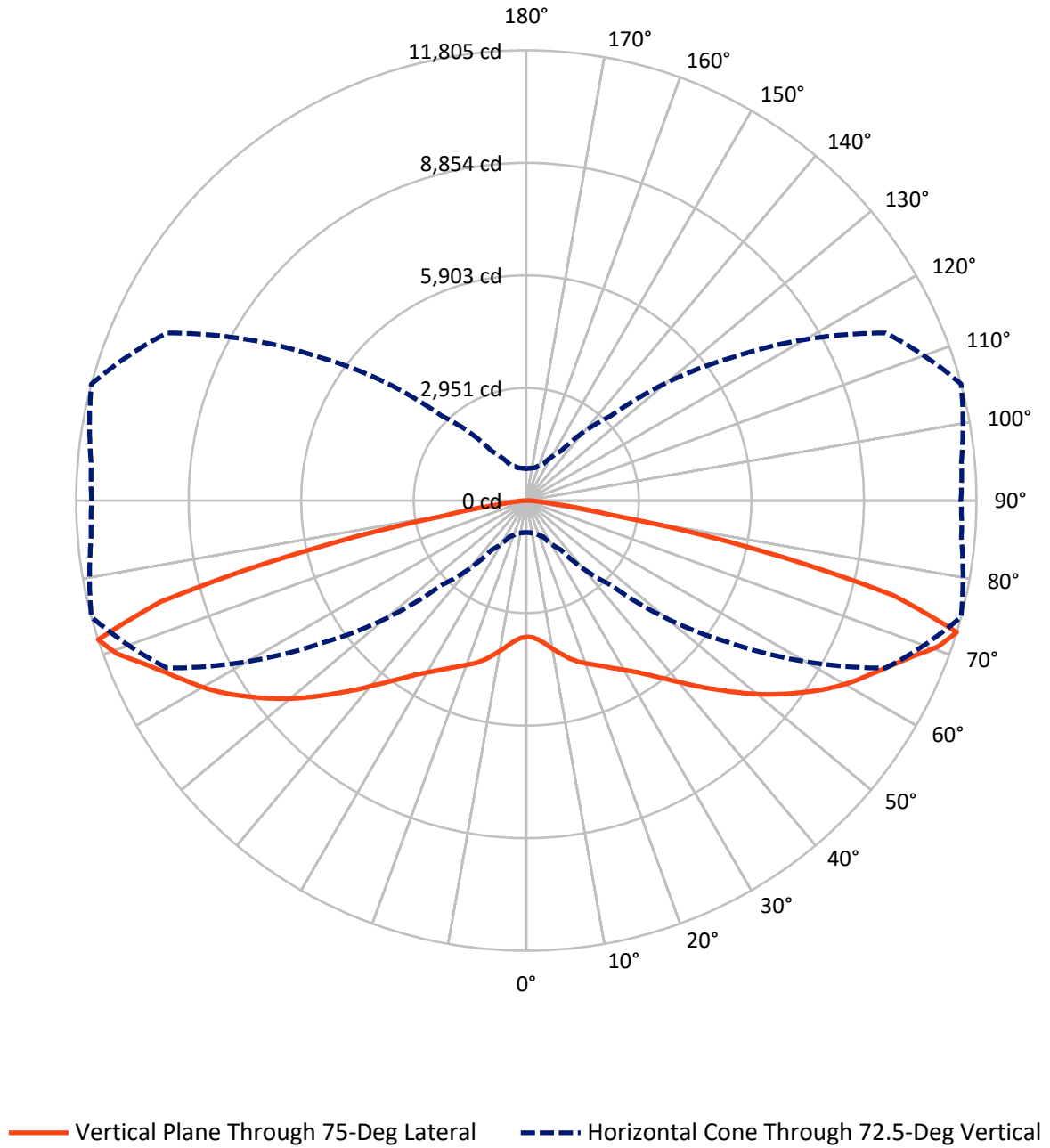
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	16692.0	0.0	16692.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16692.0	0.0	16692.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33384.0	0.0	33384.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.3	1.0
10°-20°	1155.4	3.5
20°-30°	2232.5	6.7
30°-40°	3769.7	11.3
40°-50°	5978.4	17.9
50°-60°	8004.3	24.0
60°-70°	7617.6	22.8
70°-80°	3975.0	11.9
80°-90°	300.9	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°	33384.0	100.0
0°-180°	33384.0	100.0

Coefficient of Utilization



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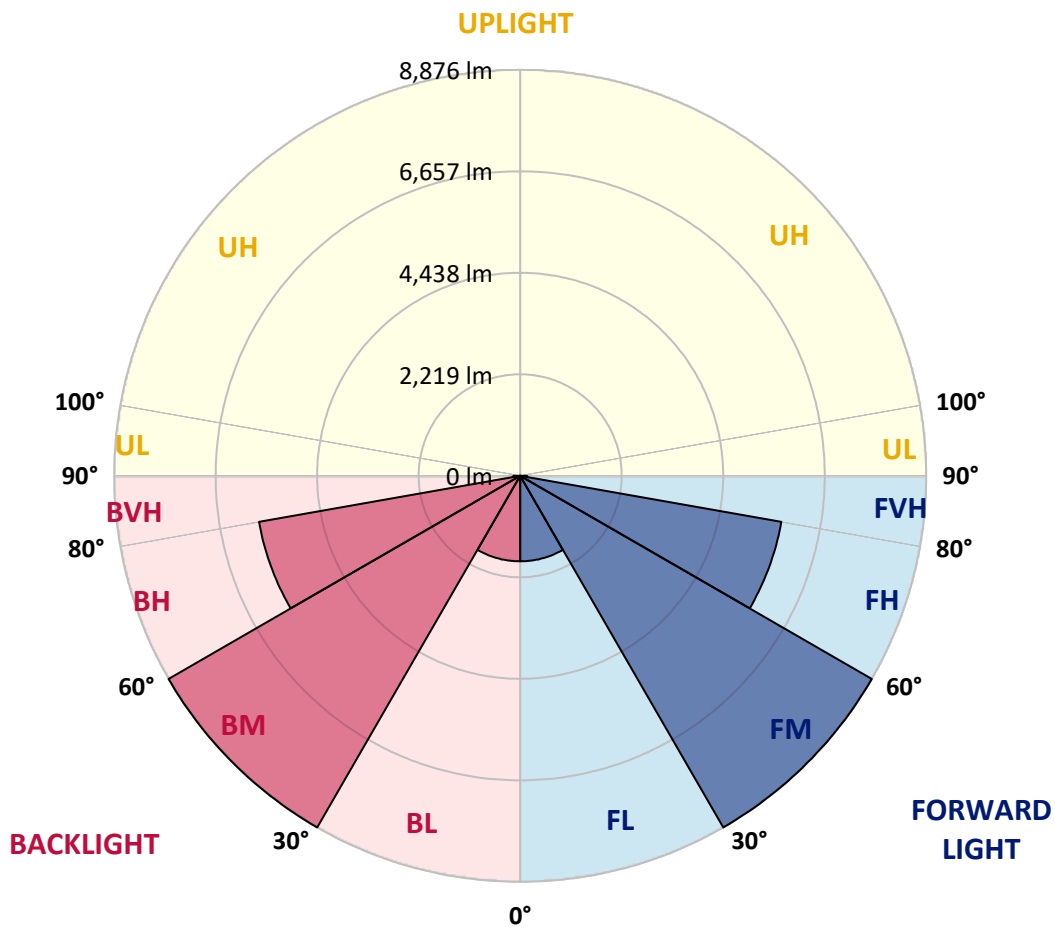
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1869.1	5.6			
FM (30°-60°)	8876.2	26.6			
FH (60°-80°)	5796.3	17.4			G3/7500
FVH (80°-90°)	150.4	0.5			G2/225
BL (0°-30°)	1869.1	5.6	B3/2500		
BM (30°-60°)	8876.2	26.6	B5		
BH (60°-80°)	5796.3	17.4	B5		G5
BVH (80°-90°)	150.4	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°	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0	3576.0
2.5°	3576.0	3572.6	3576.0	3579.4	3577.7	3577.7	3586.3	3591.4	3601.6	3599.9
5°	3552.2	3550.5	3564.1	3579.4	3591.4	3611.8	3637.4	3656.1	3680.0	3685.1
7.5°	3540.2	3535.1	3559.0	3586.3	3623.7	3674.9	3724.3	3775.4	3816.4	3830.0
10°	3548.8	3550.5	3582.8	3634.0	3693.6	3765.2	3835.1	3922.0	3980.0	3993.6
12.5°	3588.0	3584.5	3639.1	3720.9	3802.7	3893.1	3974.9	4070.3	4133.4	4165.8
15°	3659.5	3652.7	3729.4	3850.4	3969.8	4075.4	4141.9	4232.3	4305.5	4346.5
17.5°	3744.8	3748.2	3848.7	4005.6	4162.4	4281.7	4344.7	4390.8	4447.0	4482.8
20°	3894.8	3901.6	4014.1	4199.9	4378.8	4515.2	4566.3	4549.3	4564.6	4591.9
22.5°	4095.9	4099.3	4225.4	4426.6	4614.1	4764.1	4798.1	4728.3	4685.6	4704.4
25°	4329.4	4351.6	4477.7	4683.9	4876.6	5019.7	5035.1	4929.4	4823.7	4828.8
27.5°	4614.1	4634.5	4762.4	4966.9	5162.9	5287.3	5285.6	5144.2	4989.0	4949.8
30°	4922.6	4944.7	5076.0	5287.3	5469.7	5578.8	5554.9	5386.2	5164.6	5091.3
32.5°	5289.0	5302.7	5435.6	5647.0	5815.7	5902.7	5853.2	5645.3	5369.1	5285.6
35°	5732.2	5752.7	5851.5	6050.9	6199.2	6270.8	6187.3	5941.9	5631.6	5537.9
37.5°	6238.4	6224.8	6337.3	6514.6	6637.3	6681.6	6567.4	6275.9	5931.6	5820.8
40°	6766.8	6760.0	6882.7	7053.2	7119.7	7146.9	6978.2	6659.4	6277.6	6158.3
42.5°	7245.8	7240.7	7406.0	7595.2	7675.3	7644.6	7431.6	7066.8	6678.2	6541.8
45°	7629.3	7622.5	7825.3	8091.2	8248.0	8196.9	7910.5	7516.8	7083.9	6942.4
47.5°	7924.2	7927.6	8145.8	8474.7	8749.2	8767.9	8399.7	7975.3	7530.4	7370.2
50°	8137.2	8147.5	8381.0	8745.7	9120.7	9286.1	8899.2	8445.8	7992.4	7811.7
52.5°	8190.1	8208.8	8490.1	8917.9	9359.4	9674.7	9407.1	8897.4	8430.4	8258.3
55°	7908.8	7946.3	8302.6	8904.3	9506.0	9930.4	9853.7	9356.0	8871.9	8694.6
57.5°	7262.8	7315.7	7731.6	8517.3	9473.6	10105.9	10199.7	9795.7	9313.3	9142.9
60°	6357.8	6420.8	6819.7	7677.0	9016.8	10170.7	10443.4	10223.5	9719.0	9553.7
62.5°	4992.5	5074.3	5551.5	6557.2	8052.0	9869.0	10651.4	10610.5	10083.8	9877.5
65°	3202.7	3289.7	3792.5	4980.5	6765.1	8945.2	10716.1	10987.2	10469.0	10180.9
67.5°	1931.2	1970.4	2219.2	3018.7	4944.7	7552.6	10167.3	11404.8	10919.0	10561.0
70°	1235.8	1257.9	1406.2	1772.7	2795.4	5510.6	8807.1	11483.2	11464.4	10951.4
72.5°	838.6	845.4	884.6	1050.0	1581.8	3131.2	6495.8	10395.7	11805.3	11454.2
75°	613.6	651.1	714.2	743.2	898.3	1564.7	3722.6	7303.7	9949.1	10102.5
77.5°	456.8	458.5	545.4	579.5	640.9	833.5	1575.0	4077.1	6177.1	6485.6
80°	386.9	366.5	364.8	467.0	482.4	519.9	704.0	1407.9	2212.4	1341.4
82.5°	322.1	300.0	271.0	364.8	329.0	318.7	305.1	572.7	704.0	346.0
85°	225.0	214.8	204.5	238.6	187.5	160.2	146.6	267.6	296.6	146.6
87.5°	97.2	100.6	102.3	105.7	78.4	56.2	56.2	75.0	75.0	58.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3576.0
3598.2
3685.1
3833.4
4007.3
4179.4
4361.8
4499.9
4612.4
4718.0
4837.3
4961.8
5099.8
5306.1
5551.5
5841.3
6197.5
6575.9
6974.8
7417.9
7866.2
8302.6
8744.0
9182.1
9589.5
9901.4
10216.7
10588.3
10948.0
<i>11399.6</i>
9730.9
5785.0
1014.2
294.9
129.5
42.6
0.0

OF REPORT)