

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: P954998

Luminaire Tested: **GALN-SB8A-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954998
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-SB8A-830-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33562 lumens
Efficiency: N/A
Efficacy: 147.8 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

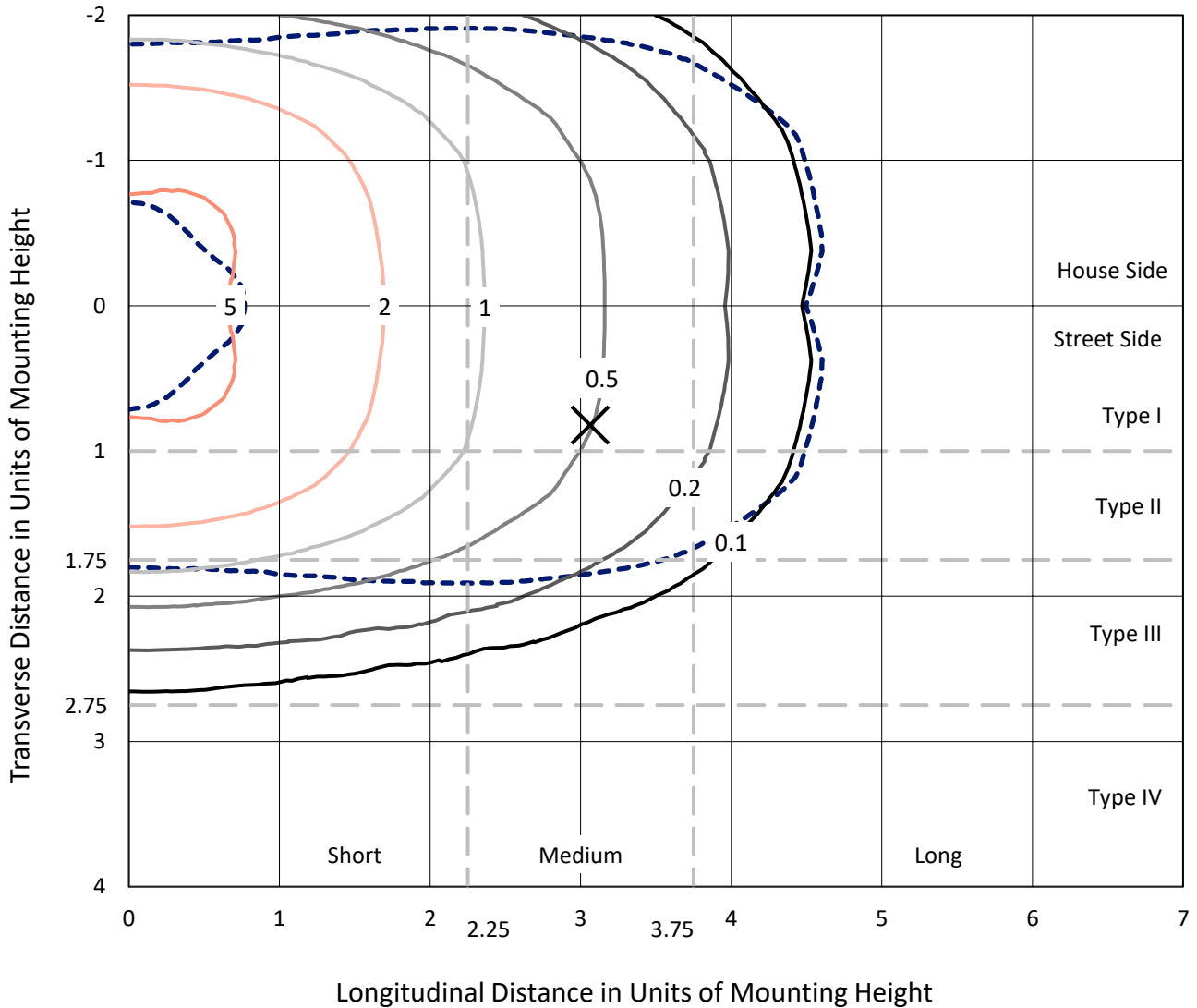
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

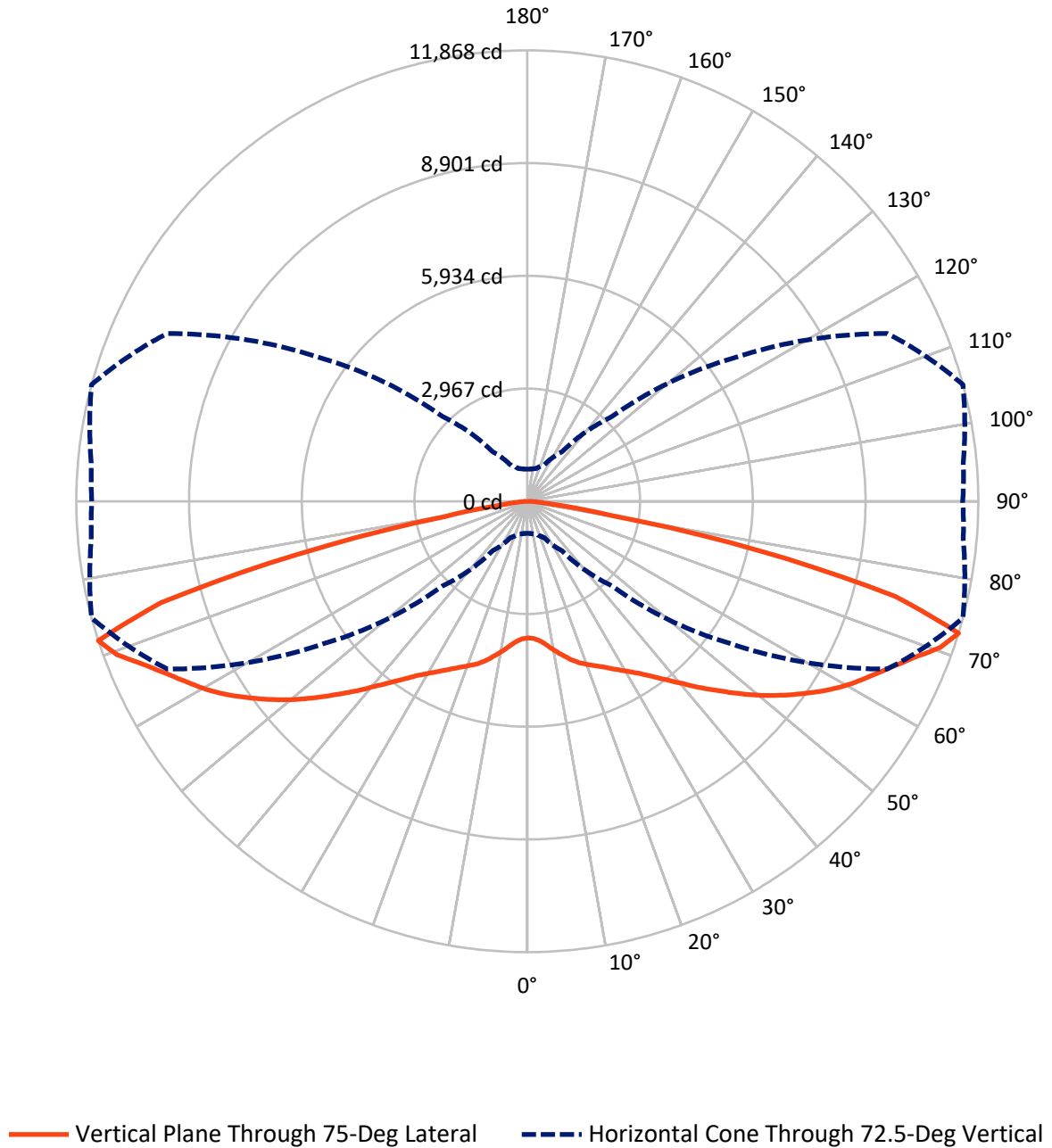
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	16781.0	0.0	16781.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16781.0	0.0	16781.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33562.0	0.0	33562.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.2	1.0
10°-20°	1161.5	3.5
20°-30°	2244.4	6.7
30°-40°	3789.8	11.3
40°-50°	6010.2	17.9
50°-60°	8047.0	24.0
60°-70°	7658.2	22.8
70°-80°	3996.2	11.9
80°-90°	302.5	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°	33562.0	100.0
0°-180°	33562.0	100.0



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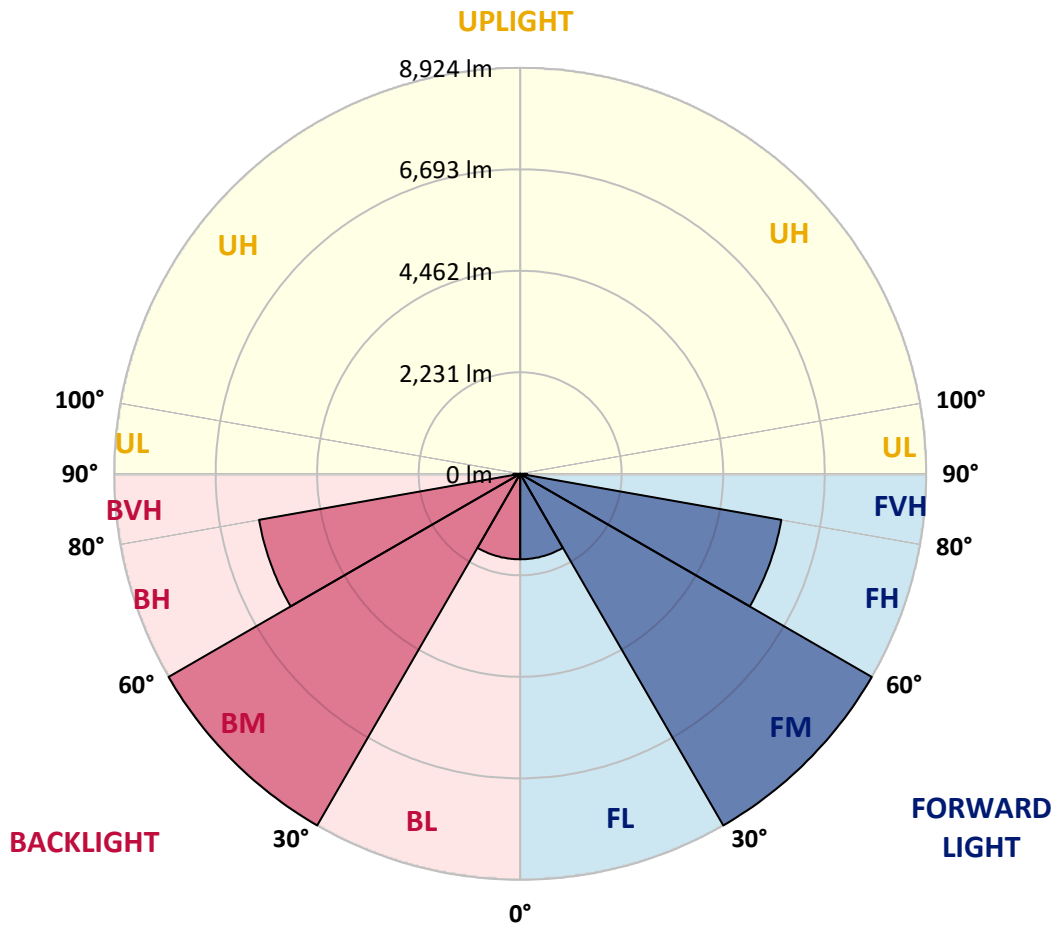
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1879.1	5.6			
FM (30°-60°)	8923.5	26.6			
FH (60°-80°)	5827.2	17.4			G3/7500
FVH (80°-90°)	151.2	0.5			G2/225
BL (0°-30°)	1879.1	5.6	B3/2500		
BM (30°-60°)	8923.5	26.6	B5		
BH (60°-80°)	5827.2	17.4	B5		G5
BVH (80°-90°)	151.2	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°	3595.1	3595.1	3595.1	3595.1	3595.1	3595.1	3595.1	3595.1	3595.1	3595.1
2.5°	3595.1	3591.7	3595.1	3598.5	3596.8	3596.8	3605.4	3610.5	3620.8	3619.1
5°	3571.1	3569.4	3583.1	3598.5	3610.5	3631.1	3656.8	3675.6	3699.6	3704.8
7.5°	3559.1	3554.0	3578.0	3605.4	3643.1	3694.5	3744.2	3795.6	3836.7	3850.4
10°	3567.7	3569.4	3601.9	3653.4	3713.3	3785.3	3855.6	3942.9	4001.2	4014.9
12.5°	3607.1	3603.7	3658.5	3740.7	3823.0	3913.8	3996.1	4092.0	4155.4	4188.0
15°	3679.1	3672.2	3749.3	3871.0	3990.9	4097.2	4164.0	4254.8	4328.5	4369.6
17.5°	3764.7	3768.2	3869.3	4026.9	4184.6	4304.5	4367.9	4414.2	4470.7	4506.7
20°	3915.5	3922.4	4035.5	4222.3	4402.2	4539.3	4590.7	4573.5	4589.0	4616.4
22.5°	4117.7	4121.2	4248.0	4450.2	4638.7	4789.5	4823.7	4753.5	4710.6	4729.5
25°	4352.5	4374.8	4501.6	4708.9	4902.6	5046.5	5061.9	4955.7	4849.4	4854.6
27.5°	4638.7	4659.2	4787.7	4993.4	5190.4	5315.5	5313.8	5171.6	5015.6	4976.2
30°	4948.8	4971.1	5103.0	5315.5	5498.9	5608.5	5584.6	5414.9	5192.1	5118.5
32.5°	5317.2	5330.9	5464.6	5677.1	5846.7	5934.1	5884.4	5675.4	5397.8	5313.8
35°	5762.8	5783.3	5882.7	6083.2	6232.3	6304.3	6220.3	5973.5	5661.7	5567.4
37.5°	6271.7	6258.0	6371.1	6549.3	6672.7	6717.2	6602.4	6309.4	5963.3	5851.9
40°	6802.9	6796.1	6919.4	7090.8	7157.6	7185.0	7015.4	6695.0	6311.1	6191.2
42.5°	7284.4	7279.3	7445.5	7635.7	7716.3	7685.4	7471.2	7104.5	6713.8	6576.7
45°	7670.0	7663.1	7867.0	8134.4	8292.0	8240.6	7952.7	7556.9	7121.6	6979.4
47.5°	7966.4	7969.9	8189.2	8519.9	8795.8	8814.7	8444.5	8017.8	7570.6	7409.5
50°	8180.6	8190.9	8425.7	8792.4	9169.4	9335.6	8946.6	8490.8	8035.0	7853.3
52.5°	8233.8	8252.6	8535.3	8965.5	9409.3	9726.3	9457.2	8944.9	8475.4	8302.3
55°	7951.0	7988.7	8346.8	8951.7	9556.6	9983.3	9906.2	9405.8	8919.2	8741.0
57.5°	7301.6	7354.7	7772.8	8562.8	9524.1	10159.8	10254.1	9847.9	9363.0	9191.6
60°	6391.7	6455.1	6856.0	7718.0	9064.8	10224.9	10499.1	10278.1	9770.8	9604.6
62.5°	5019.1	5101.3	5581.1	6592.1	8095.0	9921.6	10708.2	10667.0	10137.5	9930.2
65°	3219.8	3307.2	3812.7	5007.1	6801.2	8992.9	10773.3	11045.7	10524.8	10235.2
67.5°	1941.5	1980.9	2231.1	3034.8	4971.1	7592.9	10221.5	11465.6	10977.2	10617.3
70°	1242.3	1264.6	1413.7	1782.1	2810.3	5540.0	8854.1	11544.4	11525.5	11009.8
72.5°	843.1	849.9	889.3	1055.6	1590.2	3147.8	6530.5	10451.1	11868.3	11515.3
75°	616.9	654.6	718.0	747.1	903.1	1573.1	3742.5	7342.7	10002.2	10156.4
77.5°	459.2	461.0	548.3	582.6	644.3	837.9	1583.3	4098.9	6210.0	6520.2
80°	389.0	368.4	366.7	469.5	484.9	522.6	707.7	1415.4	2224.2	1348.6
82.5°	323.9	301.6	272.5	366.7	330.7	320.4	306.7	575.8	707.7	347.9
85°	226.2	215.9	205.6	239.9	188.5	161.1	147.4	269.0	298.2	147.4
87.5°	97.7	101.1	102.8	106.2	78.8	56.5	56.5	75.4	75.4	58.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3595.1
3617.4
3704.8
3853.8
4028.6
4201.7
4385.1
4523.9
4636.9
4743.2
4863.1
4988.2
5127.0
5334.4
5581.1
5872.4
6230.6
6611.0
7012.0
7457.5
7908.2
8346.8
8790.7
9231.1
9640.6
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