

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: P956426

Luminaire Tested: **GALN-SB9A-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956426
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-SB9A-830-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 37805 lumens
Efficiency: N/A
Efficacy: 148.0 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

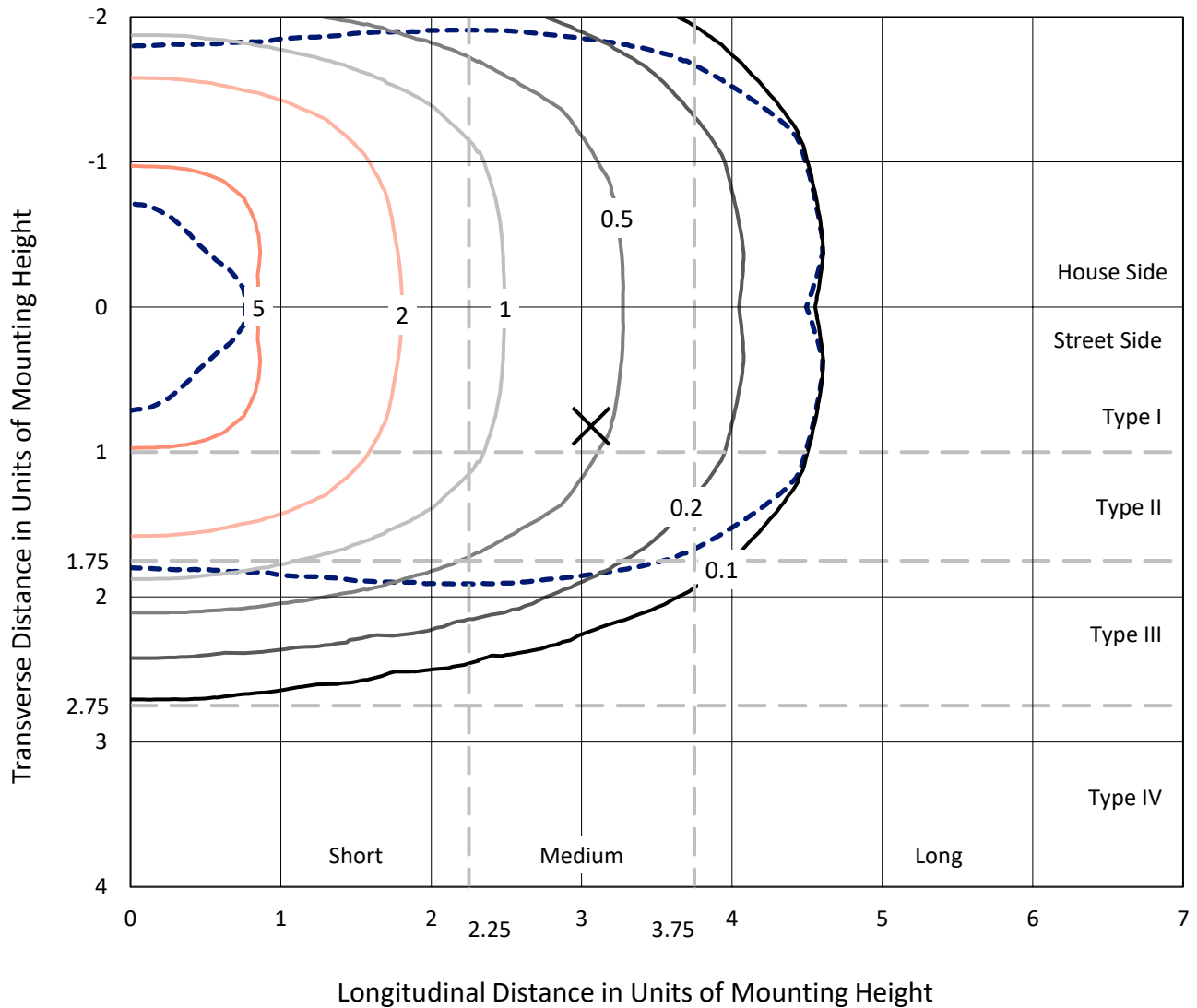
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

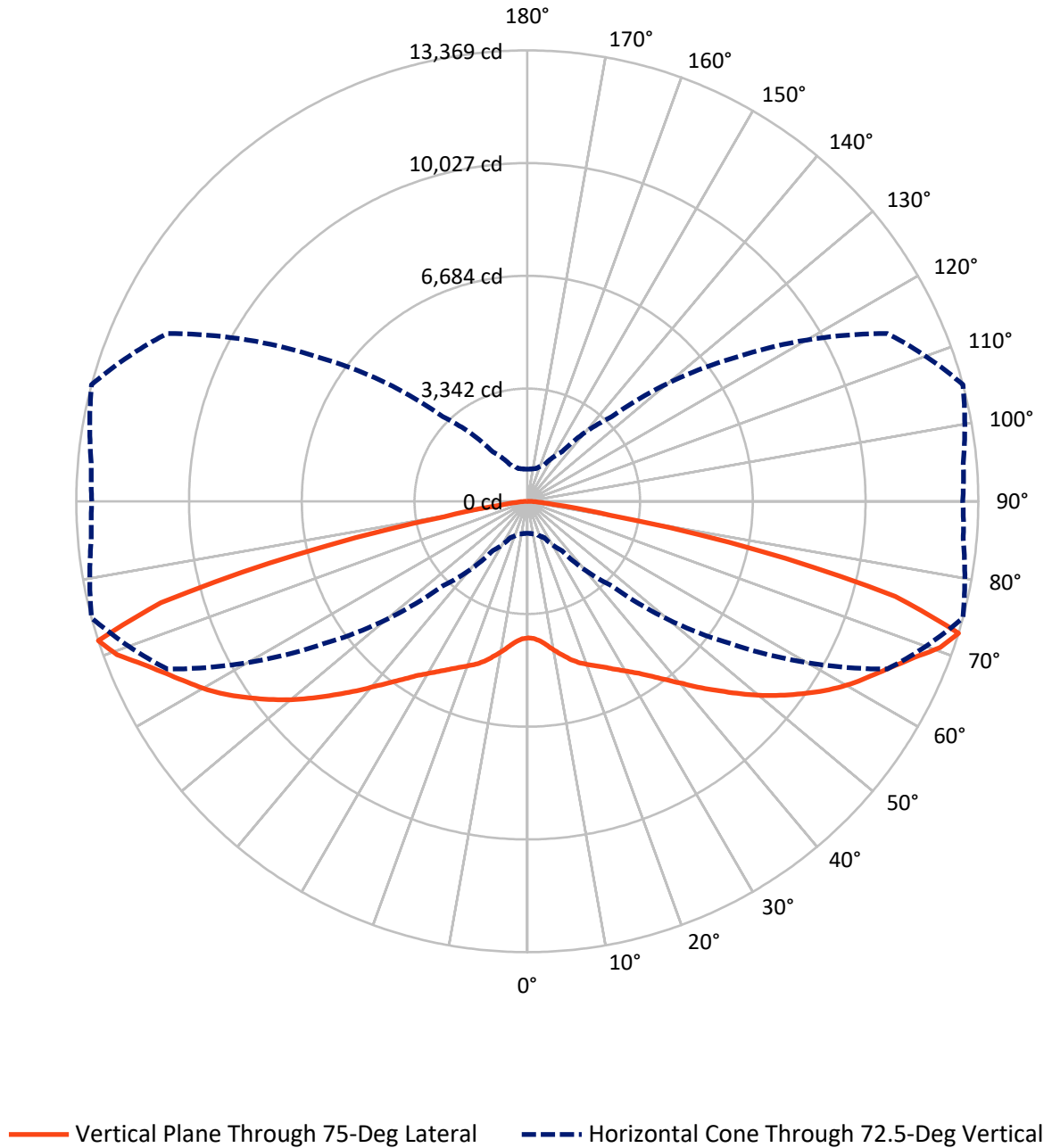
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	18902.5	0.0	18902.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18902.5	0.0	18902.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37805.0	0.0	37805.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.7	1.0
10°-20°	1308.4	3.5
20°-30°	2528.2	6.7
30°-40°	4268.9	11.3
40°-50°	6770.1	17.9
50°-60°	9064.3	24.0
60°-70°	8626.3	22.8
70°-80°	4501.4	11.9
80°-90°	340.7	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°	37805.0	100.0
0°-180°	37805.0	100.0

Coefficient of Utilization



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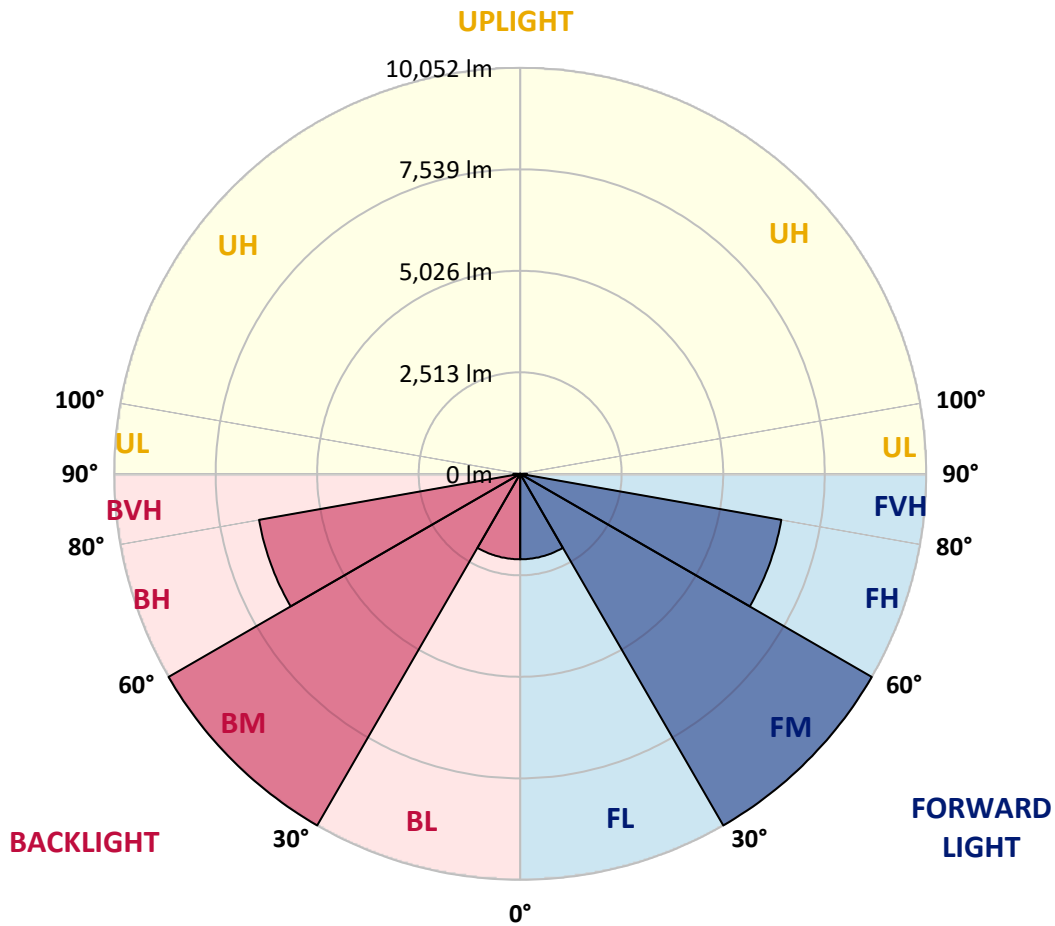
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2116.6	5.6			
FM (30°-60°)	10051.7	26.6			
FH (60°-80°)	6563.9	17.4			G3/7500
FVH (80°-90°)	170.4	0.5			G2/225
BL (0°-30°)	2116.6	5.6	B3/2500		
BM (30°-60°)	10051.7	26.6	B5		
BH (60°-80°)	6563.9	17.4	B5		G5
BVH (80°-90°)	170.4	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°	4049.6	4049.6	4049.6	4049.6	4049.6	4049.6	4049.6	4049.6	4049.6	4049.6
2.5°	4049.6	4045.7	4049.6	4053.5	4051.5	4051.5	4061.2	4067.0	4078.5	4076.6
5°	4022.6	4020.6	4036.1	4053.5	4067.0	4090.1	4119.1	4140.3	4167.3	4173.1
7.5°	4009.1	4003.3	4030.3	4061.2	4103.6	4161.5	4217.5	4275.4	4321.8	4337.2
10°	4018.7	4020.6	4057.3	4115.2	4182.8	4263.8	4343.0	4441.4	4507.1	4522.5
12.5°	4063.1	4059.2	4121.0	4213.7	4306.3	4408.6	4501.3	4609.4	4680.8	4717.4
15°	4144.2	4136.5	4223.3	4360.4	4495.5	4615.1	4690.4	4792.7	4875.7	4922.0
17.5°	4240.7	4244.5	4358.4	4536.0	4713.6	4848.7	4920.1	4972.2	5035.9	5076.5
20°	4410.5	4418.3	4545.7	4756.1	4958.7	5113.1	5171.0	5151.7	5169.1	5200.0
22.5°	4638.3	4642.2	4785.0	5012.8	5225.1	5395.0	5433.6	5354.4	5306.2	5327.4
25°	4902.7	4927.8	5070.7	5304.2	5522.3	5684.5	5701.9	5582.2	5462.5	5468.3
27.5°	5225.1	5248.3	5393.0	5624.6	5846.6	5987.5	5985.6	5825.4	5649.7	5605.3
30°	5574.5	5599.6	5748.2	5987.5	6194.1	6317.6	6290.6	6099.5	5848.6	5765.6
32.5°	5989.5	6004.9	6155.5	6394.8	6585.9	6684.3	6628.4	6392.9	6080.2	5985.6
35°	6491.3	6514.5	6626.4	6852.3	7020.2	7101.3	7006.7	6728.7	6377.4	6271.3
37.5°	7064.6	7049.1	7176.5	7377.3	7516.3	7566.4	7437.1	7107.1	6717.2	6591.7
40°	7663.0	7655.2	7794.2	7987.2	8062.5	8093.4	7902.3	7541.4	7109.0	6973.9
42.5°	8205.3	8199.6	8386.8	8601.0	8691.8	8657.0	8415.7	8002.7	7562.6	7408.2
45°	8639.6	8631.9	8861.6	9162.7	9340.3	9282.4	8958.1	8512.3	8022.0	7861.8
47.5°	8973.6	8977.4	9224.5	9597.0	9907.8	9929.0	9512.1	9031.5	8527.7	8346.3
50°	9214.8	9226.4	9490.9	9903.9	10328.6	10515.8	10077.7	9564.2	9050.8	8846.2
52.5°	9274.7	9295.9	9614.4	10098.9	10598.8	10955.9	10652.9	10075.7	9546.8	9351.9
55°	8956.2	8998.7	9402.1	10083.4	10764.8	11245.4	11158.6	10595.0	10046.8	9846.0
57.5°	8224.6	8284.5	8755.5	9645.3	10728.1	11444.2	11550.4	11092.9	10546.7	10353.7
60°	7199.7	7271.1	7722.8	8693.7	10210.8	11517.6	11826.4	11577.4	11006.1	10818.9
62.5°	5653.6	5746.3	6286.7	7425.5	9118.3	11175.9	12061.9	12015.6	11419.2	11185.6
65°	3626.9	3725.3	4294.7	5640.1	7661.0	10129.8	12135.3	12442.2	11855.4	11529.2
67.5°	2186.9	2231.3	2513.1	3418.4	5599.6	8552.8	11513.7	12915.1	12365.0	11959.6
70°	1399.4	1424.5	1592.4	2007.4	3165.6	6240.4	9973.4	13003.9	12982.6	12401.6
72.5°	949.7	957.4	1001.8	1189.0	1791.2	3545.8	7356.1	11772.4	13368.7	12971.0
75°	694.9	737.3	808.8	841.6	1017.2	1771.9	4215.6	8271.0	11266.7	11440.4
77.5°	517.3	519.2	617.7	656.3	725.8	943.9	1783.5	4617.1	6995.1	7344.5
80°	438.2	415.0	413.1	528.9	546.3	588.7	797.2	1594.4	2505.4	1519.1
82.5°	364.8	339.7	306.9	413.1	372.5	361.0	345.5	648.6	797.2	391.8
85°	254.8	243.2	231.6	270.2	212.3	181.4	166.0	303.0	335.9	166.0
87.5°	110.0	113.9	115.8	119.7	88.8	63.7	63.7	84.9	84.9	65.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

<u>90°</u>
4049.6
4074.7
4173.1
4341.1
4537.9
4732.9
4939.4
5095.8
5223.2
5342.8
5478.0
5618.9
5775.2
6008.8
6286.7
6614.8
7018.3
7446.8
7898.4
8400.3
8907.9
9402.1
9902.0
10398.1
10859.4
11212.6
11569.7
11990.5
12397.8
<i>12909.3</i>
11019.6
6551.2
1148.5
333.9
146.7
48.3
0.0

OF REPORT)