

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: P955355

Luminaire Tested: **GALN-SB8B-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955355
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-SB8B-830-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42131 lumens
Efficiency: N/A
Efficacy: 143.9 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

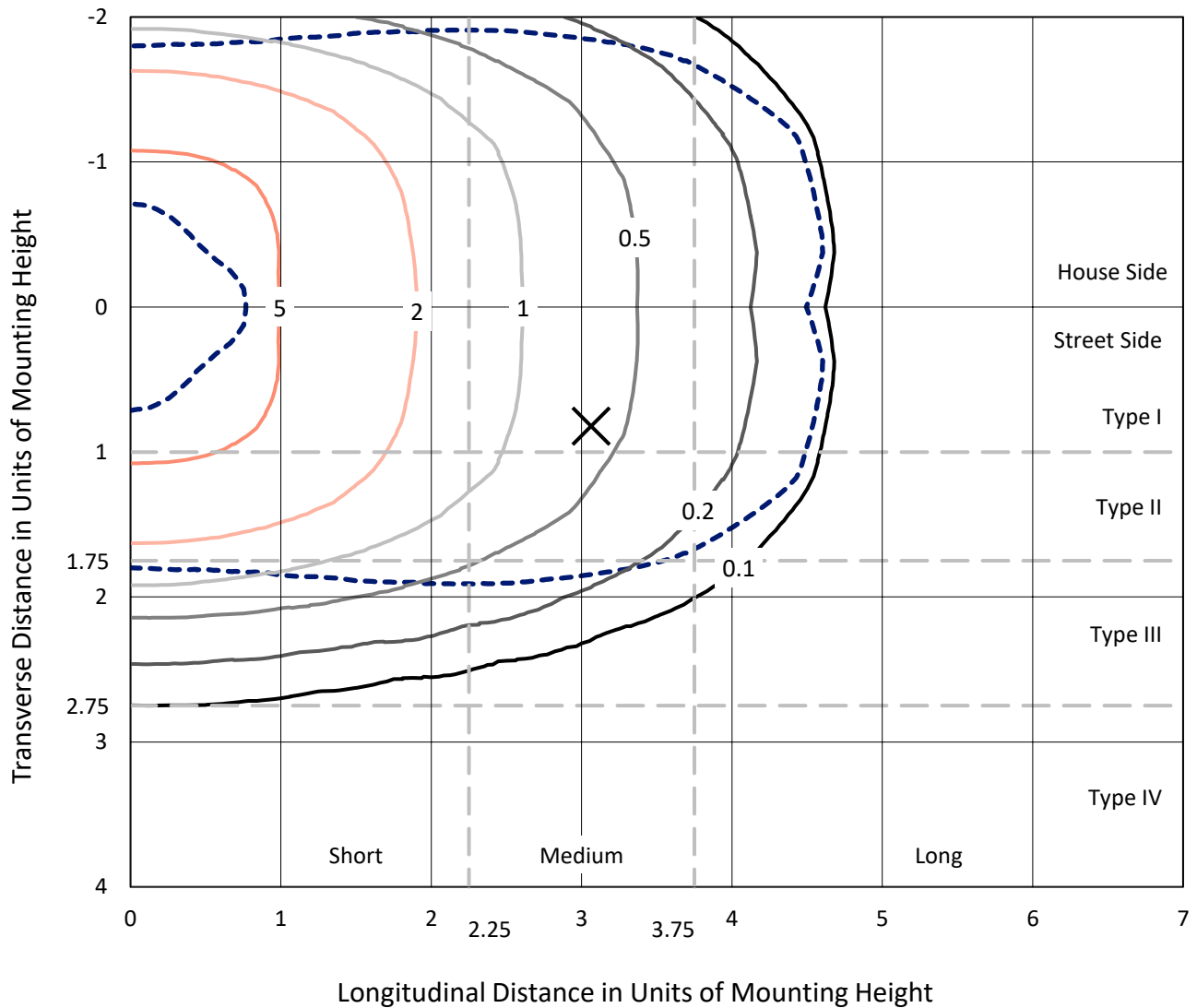
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

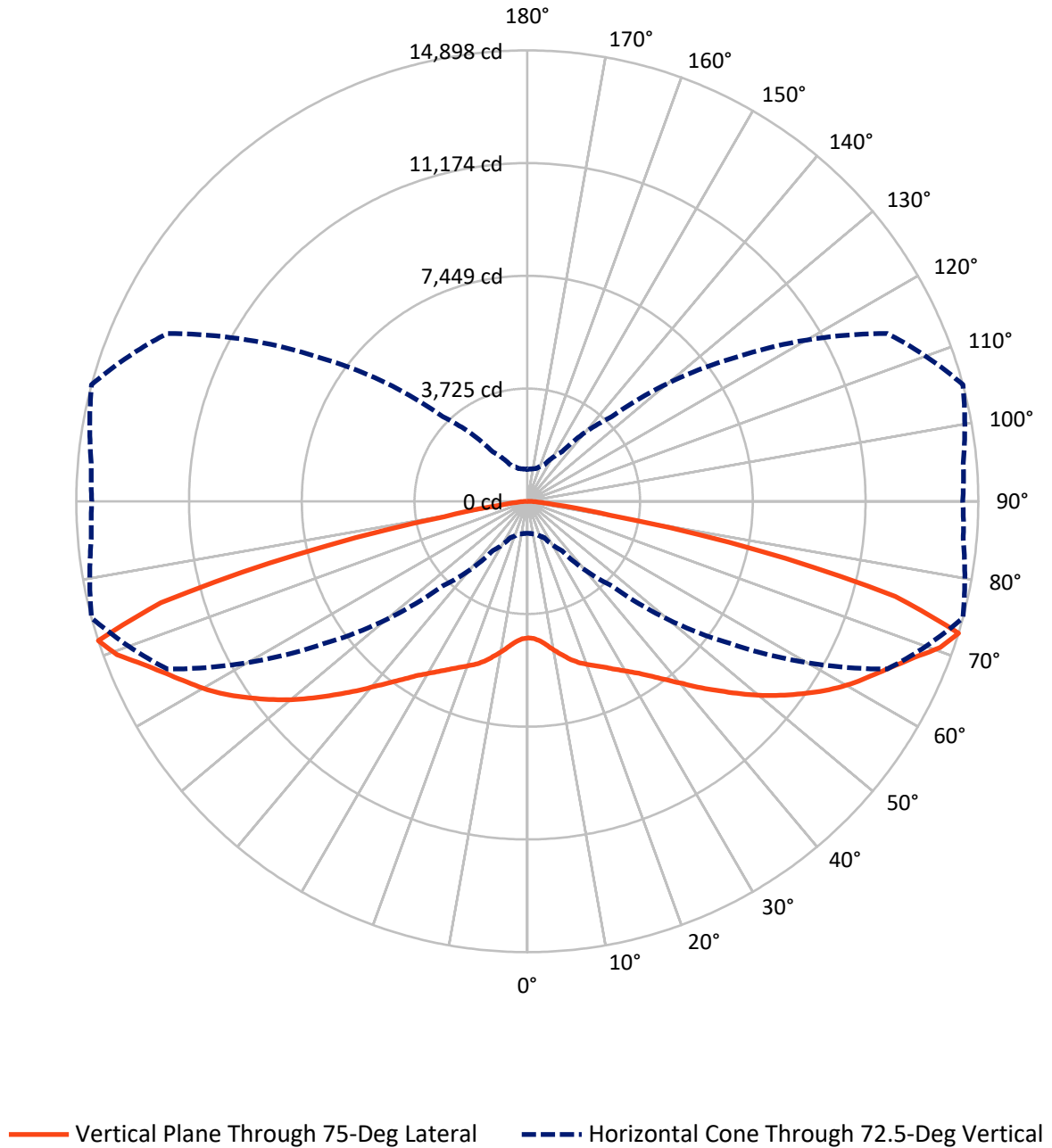
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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	21065.5	0.0	21065.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21065.5	0.0	21065.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42131.0	0.0	42131.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.1	1.0
10°-20°	1458.1	3.5
20°-30°	2817.4	6.7
30°-40°	4757.4	11.3
40°-50°	7544.8	17.9
50°-60°	10101.6	24.0
60°-70°	9613.4	22.8
70°-80°	5016.5	11.9
80°-90°	379.7	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°	42131.0	100.0
0°-180°	42131.0	100.0

Coefficient of Utilization



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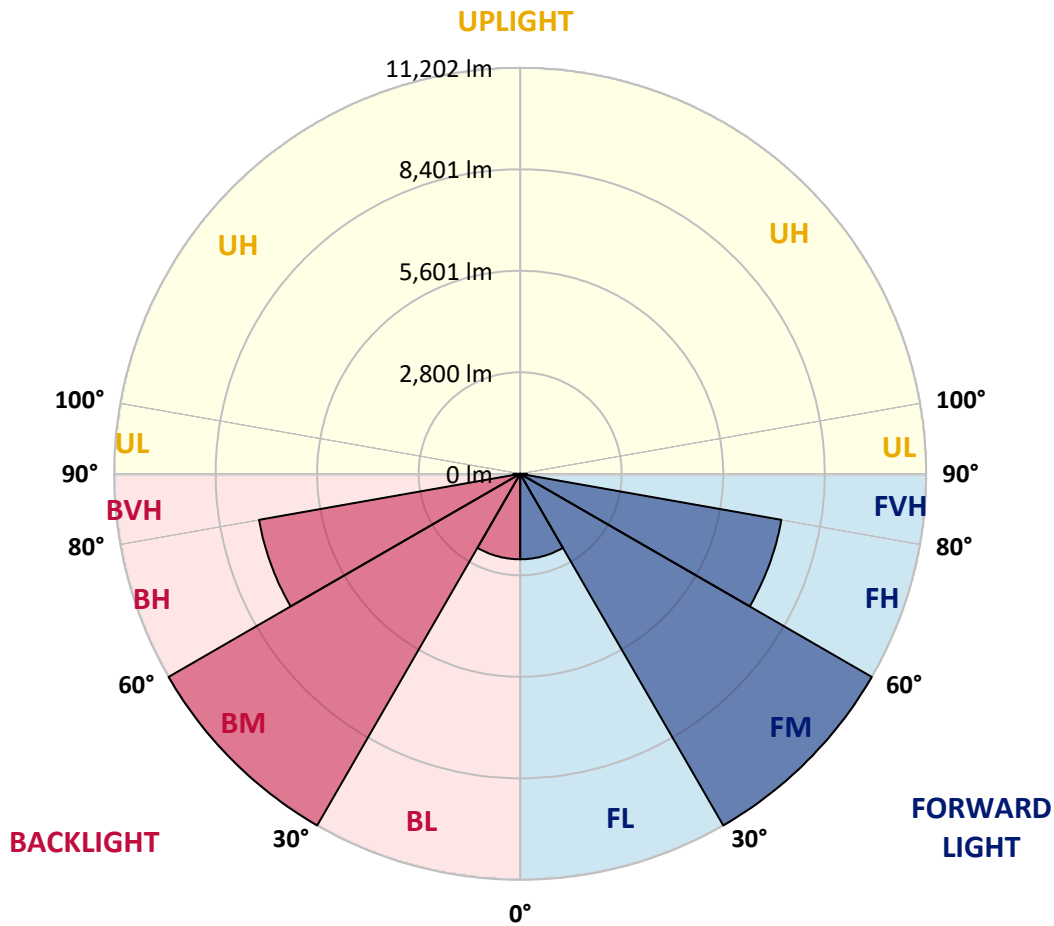
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2358.8	5.6			
FM (30°-60°)	11201.9	26.6			
FH (60°-80°)	7314.9	17.4			G3/7500
FVH (80°-90°)	189.9	0.5			G2/225
BL (0°-30°)	2358.8	5.6	B3/2500		
BM (30°-60°)	11201.9	26.6	B5		
BH (60°-80°)	7314.9	17.4	B5		G5
BVH (80°-90°)	189.9	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°	4513.0	4513.0	4513.0	4513.0	4513.0	4513.0	4513.0	4513.0	4513.0	4513.0
2.5°	4513.0	4508.7	4513.0	4517.3	4515.1	4515.1	4525.9	4532.3	4545.3	4543.1
5°	4482.9	4480.7	4497.9	4517.3	4532.3	4558.2	4590.4	4614.1	4644.2	4650.7
7.5°	4467.8	4461.4	4491.5	4525.9	4573.2	4637.7	4700.1	4764.7	4816.3	4833.5
10°	4478.6	4480.7	4521.6	4586.1	4661.4	4751.8	4839.9	4949.7	5022.8	5040.0
12.5°	4528.0	4523.7	4592.6	4695.8	4799.1	4913.1	5016.3	5136.8	5216.4	5257.3
15°	4618.4	4609.8	4706.6	4859.3	5009.9	5143.3	5227.1	5341.2	5433.7	5485.3
17.5°	4725.9	4730.2	4857.2	5055.1	5253.0	5403.5	5483.1	5541.2	5612.2	5657.4
20°	4915.2	4923.8	5065.8	5300.3	5526.1	5698.2	5762.8	5741.3	5760.6	5795.0
22.5°	5169.1	5173.4	5332.5	5586.4	5823.0	6012.3	6055.3	5967.1	5913.3	5937.0
25°	5463.8	5491.7	5650.9	5911.2	6154.3	6335.0	6354.3	6220.9	6087.6	6094.0
27.5°	5823.0	5848.8	6010.1	6268.3	6515.6	6672.7	6670.5	6492.0	6296.2	6246.8
30°	6212.3	6240.3	6405.9	6672.7	6902.8	7040.5	7010.4	6797.4	6517.8	6425.3
32.5°	6674.8	6692.0	6859.8	7126.6	7339.5	7449.2	7386.8	7124.4	6775.9	6670.5
35°	7234.1	7259.9	7384.7	7636.4	7823.5	7913.9	7808.5	7498.7	7107.2	6988.9
37.5°	7873.0	7855.8	7997.7	8221.5	8376.3	8432.3	8288.1	7920.3	7485.8	7346.0
40°	8539.8	8531.2	8686.1	8901.2	8985.1	9019.5	8806.6	8404.3	7922.5	7771.9
42.5°	9144.3	9137.8	9346.5	9585.3	9686.4	9647.6	9378.7	8918.4	8428.0	8255.9
45°	9628.3	9619.7	9875.6	10211.2	10409.1	10344.6	9983.2	9486.3	8939.9	8761.4
47.5°	10000.4	10004.7	10280.1	10695.2	11041.5	11065.2	10600.6	10064.9	9503.5	9301.3
50°	10269.3	10282.2	10576.9	11037.2	11510.5	11719.1	11230.8	10658.6	10086.5	9858.4
52.5°	10336.0	10359.6	10714.6	11254.5	11811.6	12209.6	11871.9	11228.7	10639.3	10422.0
55°	9981.1	10028.4	10478.0	11237.3	11996.6	12532.2	12435.4	11807.3	11196.4	10972.7
57.5°	9165.8	9232.5	9757.3	10749.0	11955.8	12753.8	12872.1	12362.3	11753.5	11538.4
60°	8023.6	8103.2	8606.5	9688.5	11379.3	12835.5	13179.7	12902.2	12265.5	12056.9
62.5°	6300.5	6403.8	7006.1	8275.2	10161.7	12454.8	13442.2	13390.5	12725.8	12465.6
65°	4041.9	4151.6	4786.2	6285.5	8537.7	11288.9	13523.9	13865.9	13212.0	12848.5
67.5°	2437.2	2486.7	2800.7	3809.6	6240.3	9531.5	12831.2	14392.9	13779.9	13328.1
70°	1559.5	1587.5	1774.6	2237.1	3527.8	6954.5	11114.7	14491.9	14468.2	13820.7
72.5°	1058.3	1066.9	1116.4	1325.1	1996.2	3951.6	8197.8	13119.5	14898.4	14455.3
75°	774.4	821.7	901.3	937.9	1133.6	1974.7	4698.0	9217.4	12555.9	12749.5
77.5°	576.5	578.6	688.3	731.4	808.8	1051.9	1987.6	5145.4	7795.5	8184.9
80°	488.3	462.5	460.3	589.4	608.8	656.1	888.4	1776.8	2792.1	1692.9
82.5°	406.6	378.6	342.0	460.3	415.2	402.3	385.0	722.8	888.4	436.7
85°	283.9	271.0	258.1	301.2	236.6	202.2	185.0	337.7	374.3	185.0
87.5°	122.6	126.9	129.1	133.4	99.0	71.0	71.0	94.6	94.6	73.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4513.0
4540.9
4650.7
4837.8
5057.2
5274.5
5504.6
5678.9
5820.8
5954.2
6104.8
6261.8
6436.1
6696.3
7006.1
7371.8
7821.4
8298.9
8802.3
9361.5
9927.3
10478.0
11035.1
11587.9
12102.0
12495.7
12893.6
13362.6
13816.4
14386.5
12280.6
7300.8
1279.9
372.1
163.5
53.8
0.0

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