

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: P950000

Luminaire Tested: **GALN-SB4C-830-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950000  
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-SB4C-830-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

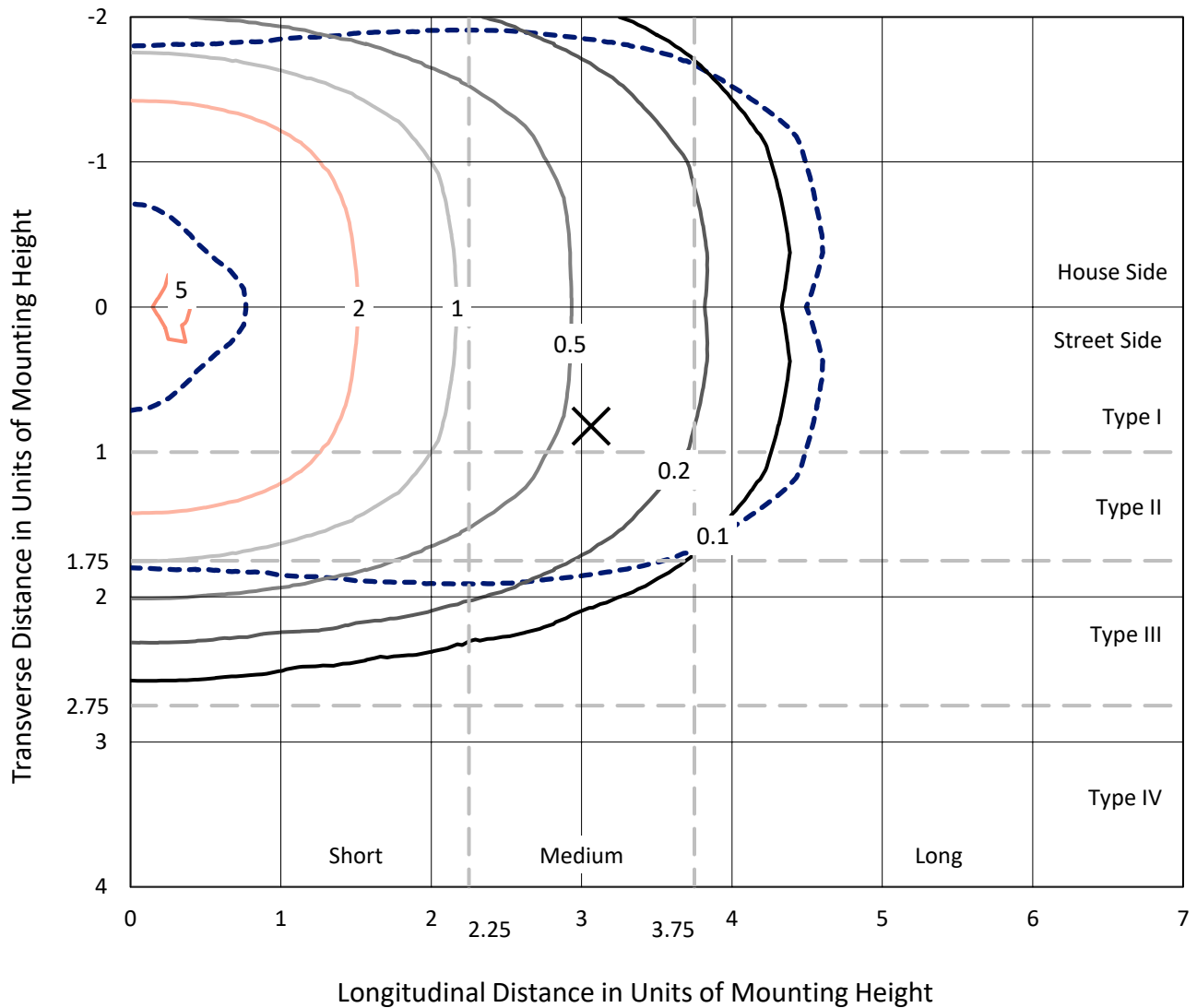
Lumens per Lamp: N/A  
Luminaire Lumens: 27772 lumens  
Efficiency: N/A  
Efficacy: 138.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

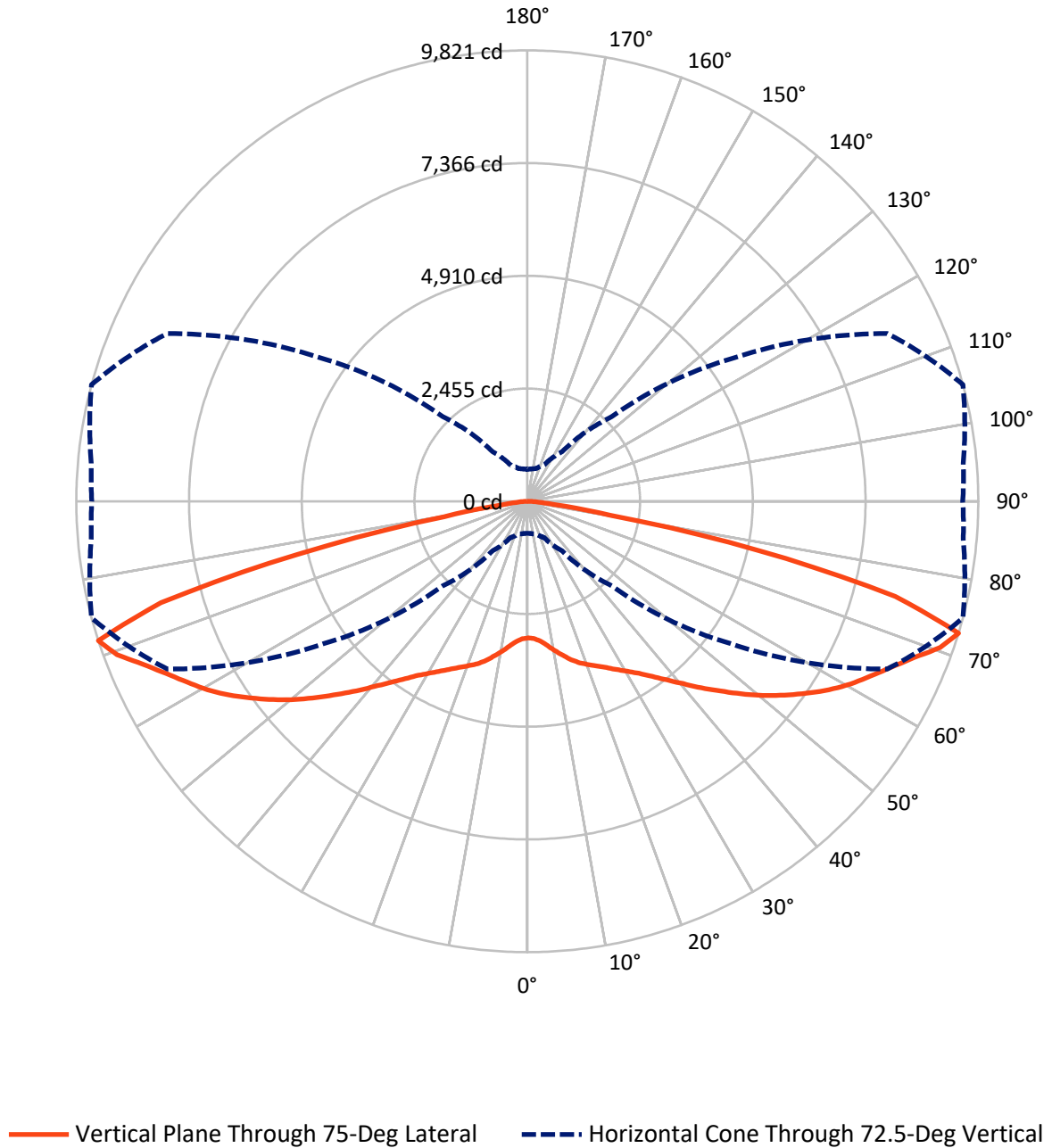
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13886.0	0.0	13886.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13886.0	0.0	13886.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27772.0	0.0	27772.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	291.4	1.0
10°-20°	961.1	3.5
20°-30°	1857.2	6.7
30°-40°	3136.0	11.3
40°-50°	4973.4	17.9
50°-60°	6658.8	24.0
60°-70°	6337.0	22.8
70°-80°	3306.8	11.9
80°-90°	250.3	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°	27772.0	100.0
0°-180°	27772.0	100.0



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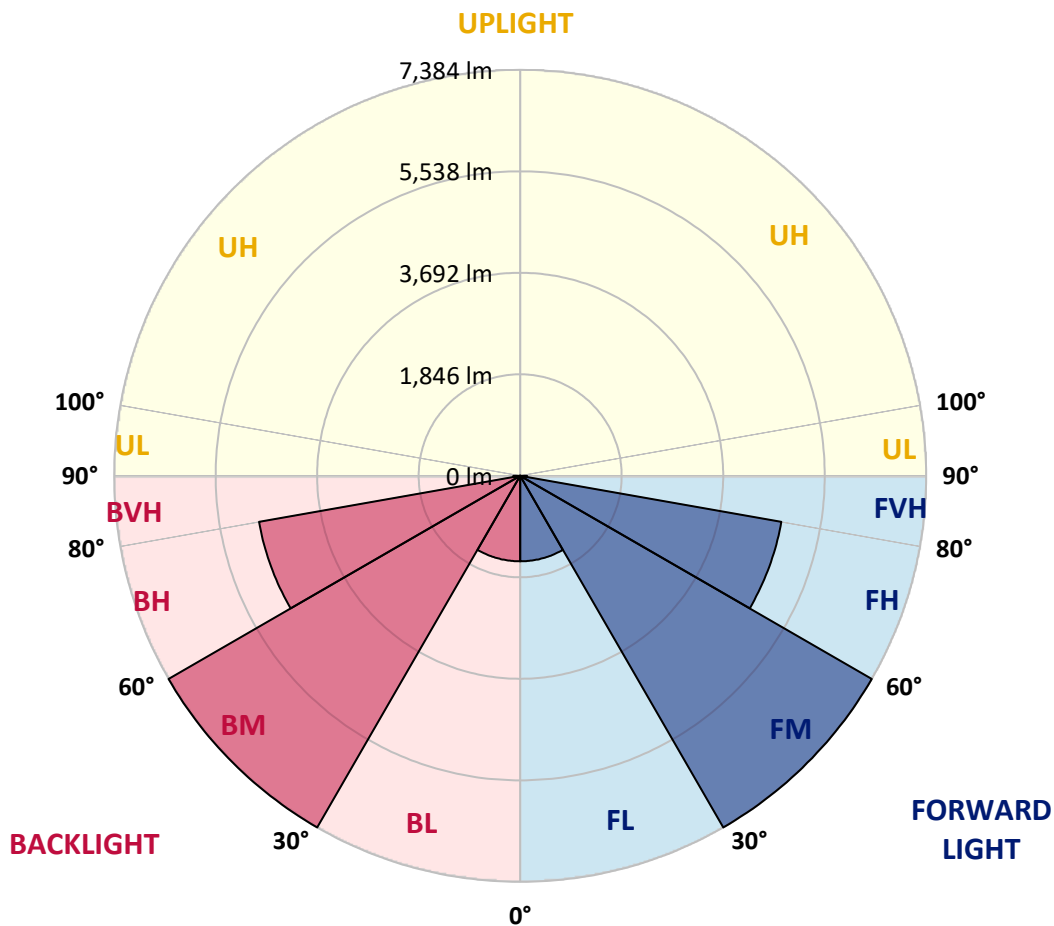
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1554.9	5.6			
FM (30°-60°)	7384.1	26.6			
FH (60°-80°)	4821.9	17.4			G2/5000
FVH (80°-90°)	125.2	0.5			G2/225
BL (0°-30°)	1554.9	5.6	B3/2500		
BM (30°-60°)	7384.1	26.6	B4/8500		
BH (60°-80°)	4821.9	17.4	B4/5000		G4/5000
BVH (80°-90°)	125.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9	2974.9
2.5°	2974.9	2972.0	2974.9	2977.7	2976.3	2976.3	2983.4	2987.6	2996.1	2994.7
5°	2955.0	2953.6	2965.0	2977.7	2987.6	3004.7	3025.9	3041.5	3061.4	3065.6
7.5°	2945.1	2940.8	2960.7	2983.4	3014.6	3057.1	3098.2	3140.8	3174.8	3186.2
10°	2952.2	2953.6	2980.6	3023.1	3072.7	3132.3	3190.4	3262.7	3310.9	3322.3
12.5°	2984.8	2982.0	3027.3	3095.4	3163.5	3238.6	3306.7	3386.1	3438.6	3465.5
15°	3044.4	3038.7	3102.5	3203.2	3302.4	3390.3	3445.6	3520.8	3581.8	3615.8
17.5°	3115.3	3118.1	3201.8	3332.2	3462.7	3561.9	3614.4	3652.7	3699.5	3729.2
20°	3240.0	3245.7	3339.3	3493.9	3642.7	3756.2	3798.7	3784.5	3797.3	3820.0
22.5°	3407.4	3410.2	3515.1	3682.4	3838.4	3963.2	3991.6	3933.4	3898.0	3913.6
25°	3601.6	3620.0	3725.0	3896.6	4056.8	4175.9	4188.7	4100.7	4012.8	4017.1
27.5°	3838.4	3855.4	3961.8	4131.9	4295.0	4398.5	4397.1	4279.4	4150.4	4117.8
30°	4095.1	4113.5	4222.7	4398.5	4550.2	4641.0	4621.1	4480.8	4296.4	4235.4
32.5°	4399.9	4411.3	4521.9	4697.7	4838.1	4910.4	4869.3	4696.3	4466.6	4397.1
35°	4768.6	4785.6	4867.9	5033.8	5157.1	5216.7	5147.2	4943.0	4684.9	4606.9
37.5°	5189.7	5178.4	5272.0	5419.4	5521.5	5558.4	5463.4	5220.9	4934.5	4842.3
40°	5629.3	5623.6	5725.7	5867.5	5922.8	5945.5	5805.1	5540.0	5222.3	5123.1
42.5°	6027.7	6023.5	6161.0	6318.4	6385.1	6359.5	6182.3	5878.9	5555.6	5442.1
45°	6346.8	6341.1	6509.9	6731.1	6861.5	6819.0	6580.7	6253.2	5893.0	5775.3
47.5°	6592.1	6594.9	6776.4	7050.1	7278.4	7294.0	6987.7	6634.6	6264.5	6131.3
50°	6769.3	6777.8	6972.1	7275.5	7587.5	7725.0	7403.2	7026.0	6648.8	6498.5
52.5°	6813.3	6828.9	7062.9	7418.8	7786.0	8048.3	7825.7	7401.7	7013.2	6870.0
55°	6579.3	6610.5	6906.9	7407.4	7908.0	8261.0	8197.2	7783.2	7380.5	7233.0
57.5°	6041.9	6085.9	6431.9	7085.5	7881.0	8407.1	8485.1	8149.0	7747.7	7605.9
60°	5289.0	5341.5	5673.3	6386.5	7501.0	8461.0	8687.8	8504.9	8085.2	7947.7
62.5°	4153.2	4221.3	4618.3	5454.9	6698.4	8210.0	8860.8	8826.8	8388.6	8217.1
65°	2664.3	2736.7	3155.0	4143.3	5627.9	7441.4	8914.7	9140.2	8709.1	8469.5
67.5°	1606.5	1639.2	1846.2	2511.2	4113.5	6283.0	8458.1	9487.6	9083.4	8785.7
70°	1028.0	1046.5	1169.8	1474.7	2325.5	4584.3	7326.6	9552.8	9537.2	9110.4
72.5°	697.6	703.3	735.9	873.5	1315.9	2604.8	5403.8	8648.1	9820.8	9528.7
75°	510.5	541.7	594.1	618.2	747.3	1301.7	3096.8	6076.0	8276.6	8404.2
77.5°	380.0	381.4	453.7	482.1	533.2	693.4	1310.2	3391.8	5138.7	5395.3
80°	321.9	304.9	303.4	388.5	401.3	432.5	585.6	1171.2	1840.5	1115.9
82.5°	268.0	249.6	225.5	303.4	273.7	265.2	253.8	476.4	585.6	287.8
85°	187.2	178.7	170.2	198.5	156.0	133.3	121.9	222.6	246.7	121.9
87.5°	80.8	83.7	85.1	87.9	65.2	46.8	46.8	62.4	62.4	48.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2974.9
2993.3
3065.6
3189.0
3333.6
3476.8
3628.6
3743.4
3837.0
3924.9
4024.2
4127.7
4242.5
4414.1
4618.3
4859.3
5155.7
5470.5
5802.3
6171.0
6543.9
6906.9
7274.1
7638.5
7977.4
8236.9
8499.2
8808.4
9107.6
9483.3
8095.1
4812.6
843.7
245.3
107.8
35.4
0.0

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