

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: P950714

Luminaire Tested: **GALN-SB5A-830-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950714  
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-SB5A-830-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

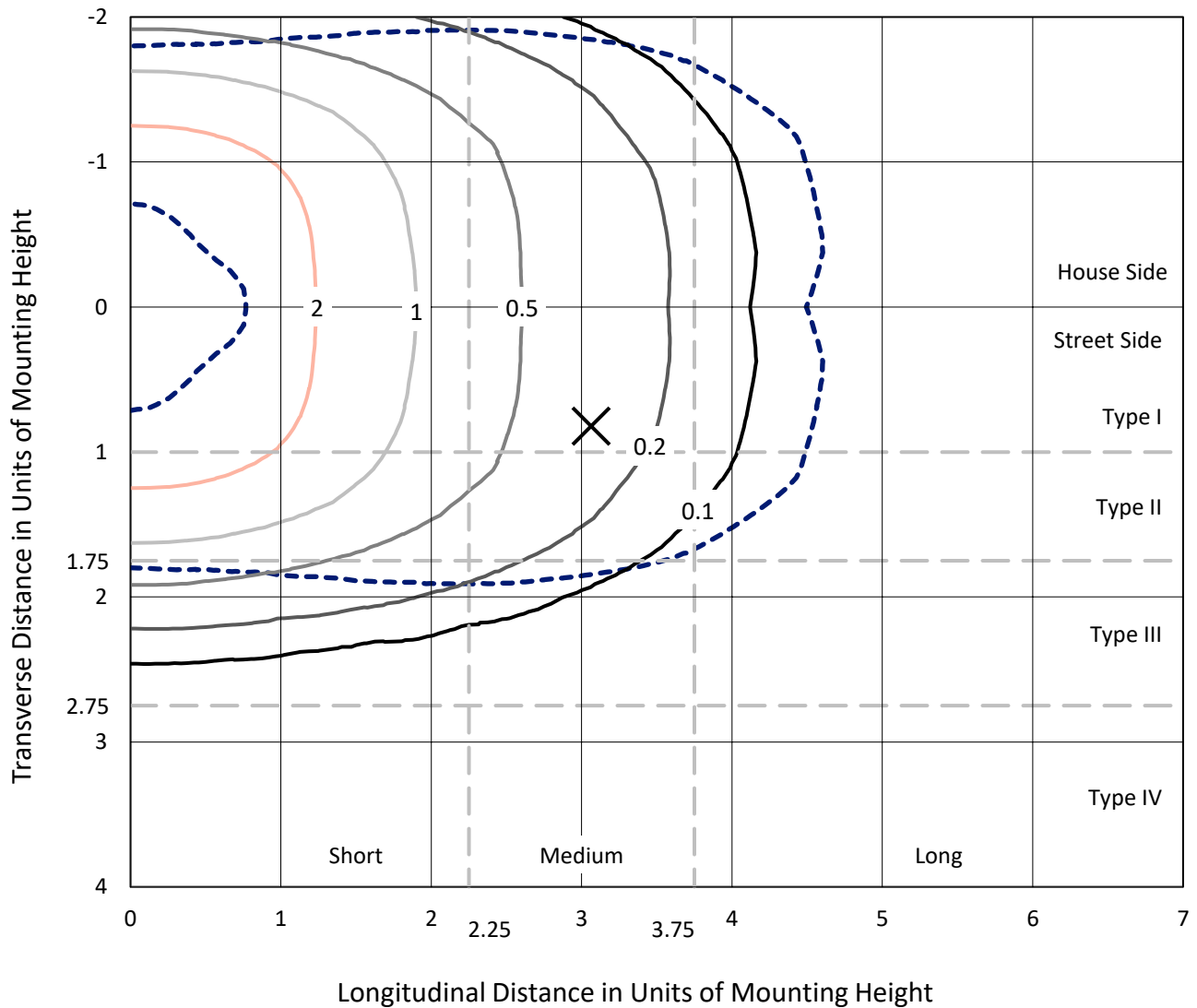
Lumens per Lamp: N/A  
Luminaire Lumens: 20966 lumens  
Efficiency: N/A  
Efficacy: 148.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): 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

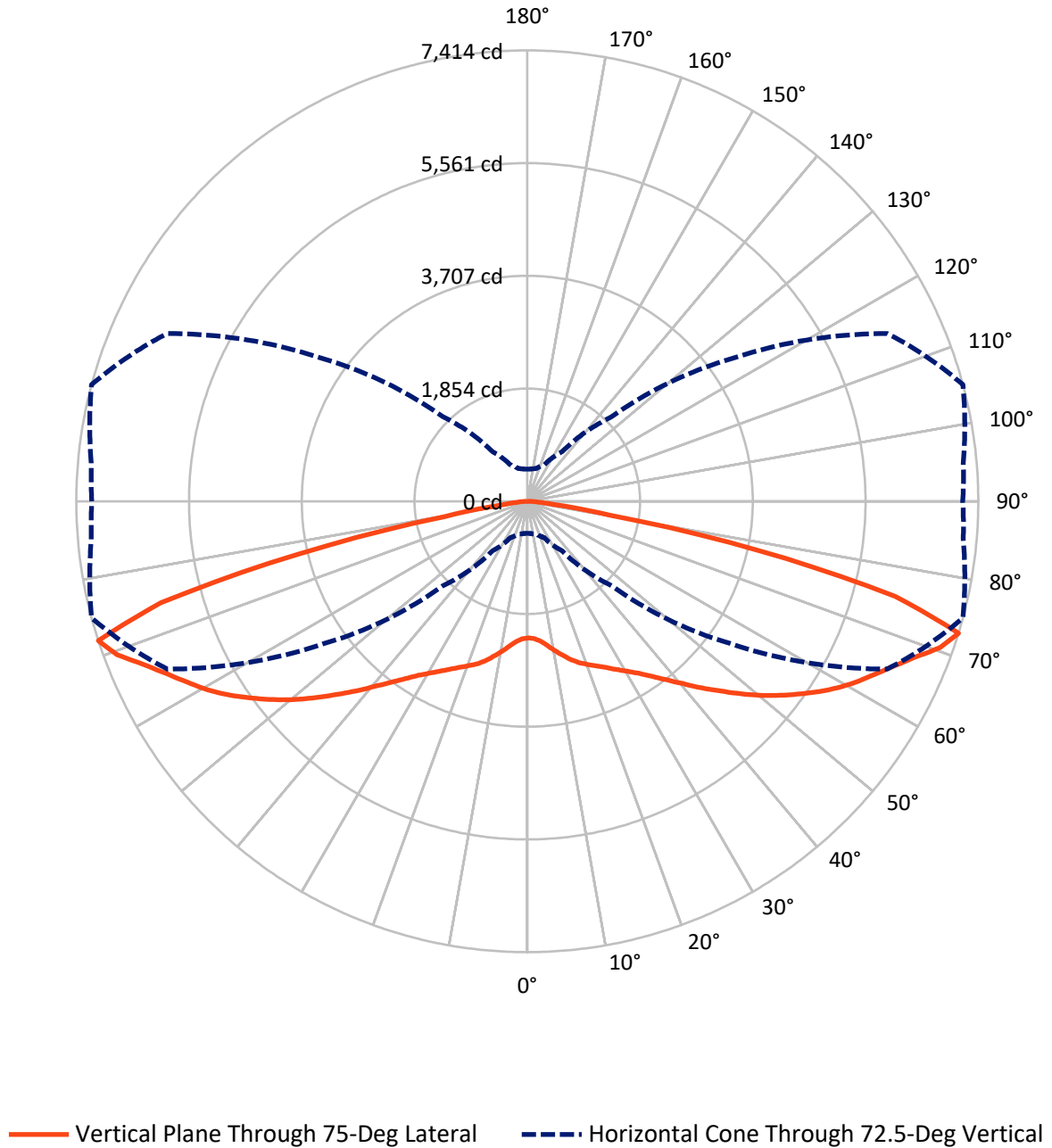
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	10483.0	0.0	10483.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10483.0	0.0	10483.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20966.0	0.0	20966.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.0	1.0
10°-20°	725.6	3.5
20°-30°	1402.1	6.7
30°-40°	2367.5	11.3
40°-50°	3754.6	17.9
50°-60°	5026.9	24.0
60°-70°	4784.0	22.8
70°-80°	2496.4	11.9
80°-90°	189.0	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°	20966.0	100.0
0°-180°	20966.0	100.0

**Coefficient of Utilization**



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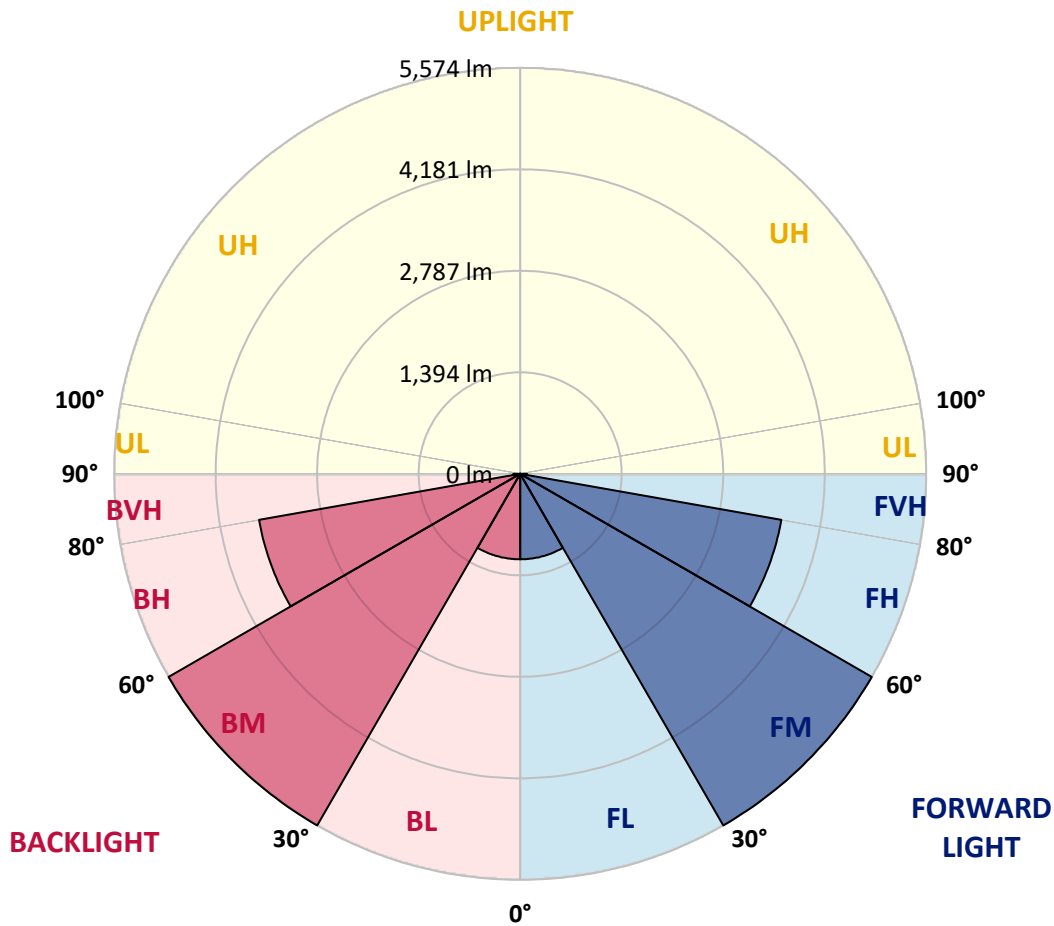
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1173.8	5.6			
FM (30°-60°)	5574.5	26.6			
FH (60°-80°)	3640.2	17.4			G2/5000
FVH (80°-90°)	94.5	0.5			G1/100
BL (0°-30°)	1173.8	5.6	B3/2500		
BM (30°-60°)	5574.5	26.6	B4/8500		
BH (60°-80°)	3640.2	17.4	B4/5000		G4/5000
BVH (80°-90°)	94.5	0.5			G1/100
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°	2245.8	2245.8	2245.8	2245.8	2245.8	2245.8	2245.8	2245.8	2245.8	2245.8
2.5°	2245.8	2243.7	2245.8	2248.0	2246.9	2246.9	2252.3	2255.5	2261.9	2260.8
5°	2230.8	2229.8	2238.3	2248.0	2255.5	2268.3	2284.4	2296.1	2311.1	2314.3
7.5°	2223.4	2220.1	2235.1	2252.3	2275.8	2307.9	2339.0	2371.1	2396.8	2405.3
10°	2228.7	2229.8	2250.1	2282.2	2319.7	2364.7	2408.5	2463.1	2499.5	2508.1
12.5°	2253.3	2251.2	2285.4	2336.8	2388.2	2444.9	2496.3	2556.3	2595.9	2616.2
15°	2298.3	2294.0	2342.2	2418.2	2493.1	2559.5	2601.2	2658.0	2704.0	2729.7
17.5°	2351.8	2354.0	2417.1	2515.6	2614.1	2689.0	2728.6	2757.5	2792.8	2815.3
20°	2446.0	2450.3	2520.9	2637.6	2750.0	2835.7	2867.8	2857.1	2866.7	2883.8
22.5°	2572.3	2574.5	2653.7	2780.0	2897.7	2991.9	3013.4	2969.5	2942.7	2954.5
25°	2719.0	2732.9	2812.1	2941.6	3062.6	3152.5	3162.2	3095.8	3029.4	3032.6
27.5°	2897.7	2910.6	2990.9	3119.3	3242.4	3320.6	3319.5	3230.7	3133.2	3108.6
30°	3091.5	3105.4	3187.8	3320.6	3435.1	3503.6	3488.6	3382.7	3243.5	3197.5
32.5°	3321.7	3330.2	3413.7	3546.4	3652.4	3707.0	3676.0	3545.4	3372.0	3319.5
35°	3600.0	3612.8	3674.9	3800.1	3893.3	3938.2	3885.8	3731.6	3536.8	3477.9
37.5°	3917.9	3909.3	3980.0	4091.3	4168.4	4196.2	4124.5	3941.4	3725.2	3655.6
40°	4249.7	4245.5	4322.5	4429.6	4471.3	4488.5	4382.5	4182.3	3942.5	3867.6
42.5°	4550.5	4547.3	4651.2	4770.0	4820.3	4801.0	4667.2	4438.1	4194.1	4108.4
45°	4791.4	4787.1	4914.5	5081.5	5180.0	5147.9	4968.0	4720.7	4448.8	4360.0
47.5°	4976.6	4978.7	5115.7	5322.3	5494.7	5506.5	5275.2	5008.7	4729.3	4628.7
50°	5110.4	5116.8	5263.5	5492.6	5728.1	5831.9	5588.9	5304.2	5019.4	4905.9
52.5°	5143.6	5155.4	5332.0	5600.7	5877.9	6076.0	5907.9	5587.8	5294.5	5186.4
55°	4967.0	4990.5	5214.2	5592.1	5970.0	6236.5	6188.4	5875.8	5571.8	5460.4
57.5°	4561.2	4594.4	4855.6	5349.1	5949.6	6346.8	6405.7	6152.0	5849.0	5742.0
60°	3992.8	4032.4	4282.9	4821.4	5662.8	6387.5	6558.7	6420.6	6103.8	6000.0
62.5°	3135.4	3186.8	3486.5	4118.1	5056.9	6198.0	6689.3	6663.6	6332.9	6203.3
65°	2011.4	2066.0	2381.8	3127.9	4248.7	5617.8	6730.0	6900.2	6574.8	6393.9
67.5°	1212.8	1237.5	1393.7	1895.8	3105.4	4743.2	6385.3	7162.5	6857.4	6632.6
70°	776.1	790.0	883.1	1113.3	1755.6	3460.8	5531.1	7211.7	7199.9	6877.7
72.5°	526.7	531.0	555.6	659.4	993.4	1966.4	4079.5	6528.8	7414.0	7193.5
75°	385.4	408.9	448.5	466.7	564.1	982.7	2337.9	4586.9	6248.3	6344.6
77.5°	286.9	288.0	342.5	364.0	402.5	523.5	989.1	2560.6	3879.4	4073.1
80°	243.0	230.1	229.1	293.3	302.9	326.5	442.1	884.2	1389.5	842.5
82.5°	202.3	188.4	170.2	229.1	206.6	200.2	191.6	359.7	442.1	217.3
85°	141.3	134.9	128.5	149.9	117.8	100.6	92.1	168.1	186.3	92.1
87.5°	61.0	63.2	64.2	66.4	49.2	35.3	35.3	47.1	47.1	36.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2245.8
2259.7
2314.3
2407.5
2516.7
2624.8
2739.3
2826.0
2896.7
2963.0
3038.0
3116.1
3202.8
3332.4
3486.5
3668.5
3892.2
4129.9
4380.3
4658.7
4940.2
5214.2
5491.5
5766.6
6022.4
6218.3
6416.4
6649.7
6875.6
7159.3
6111.3
3633.2
636.9
185.2
81.4
26.8
0.0

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