

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: P948568

Luminaire Tested: **GALN-SB3C-830-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948568  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3C-830-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

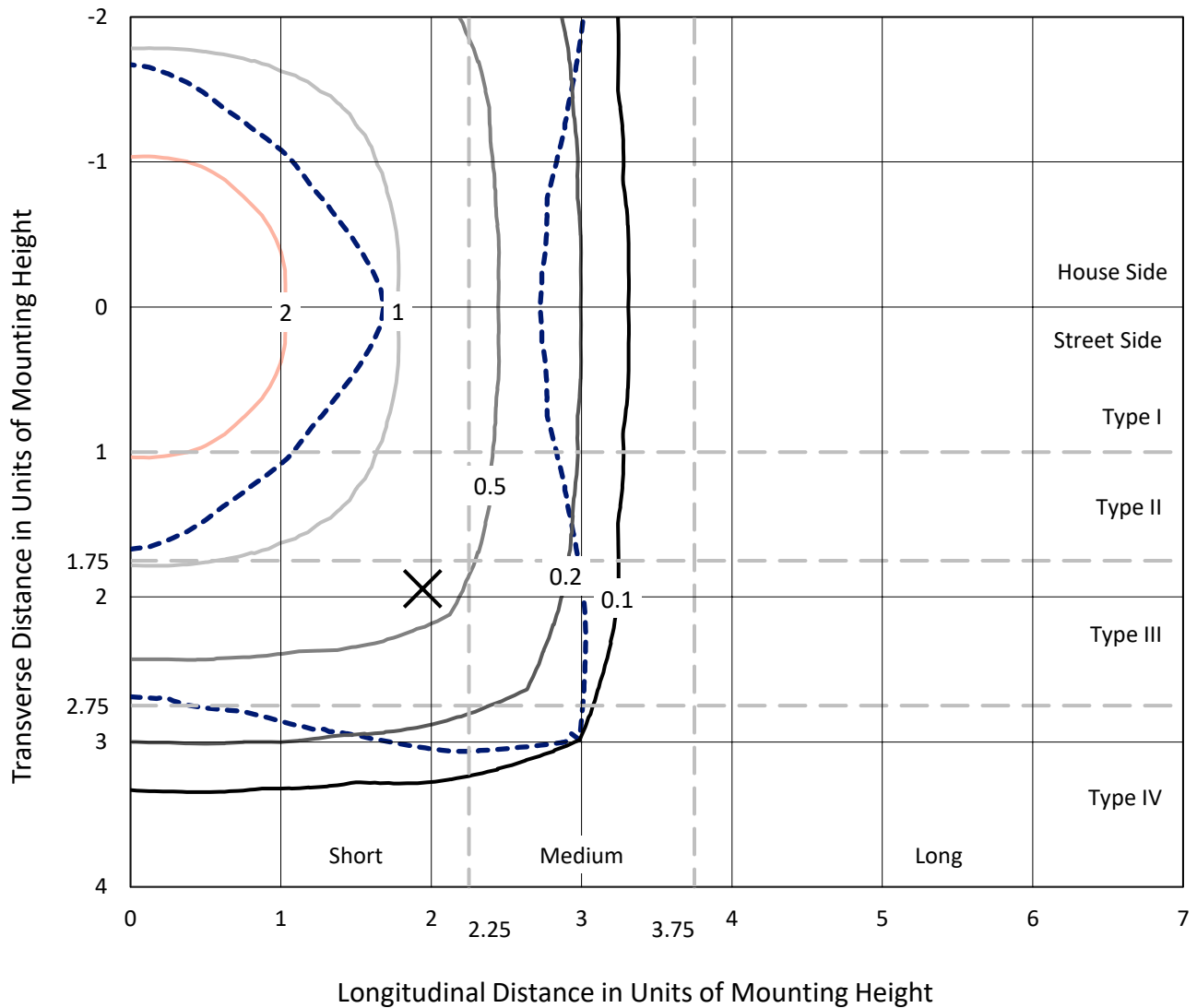
Lumens per Lamp: N/A  
Luminaire Lumens: 21145 lumens  
Efficiency: N/A  
Efficacy: 141.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

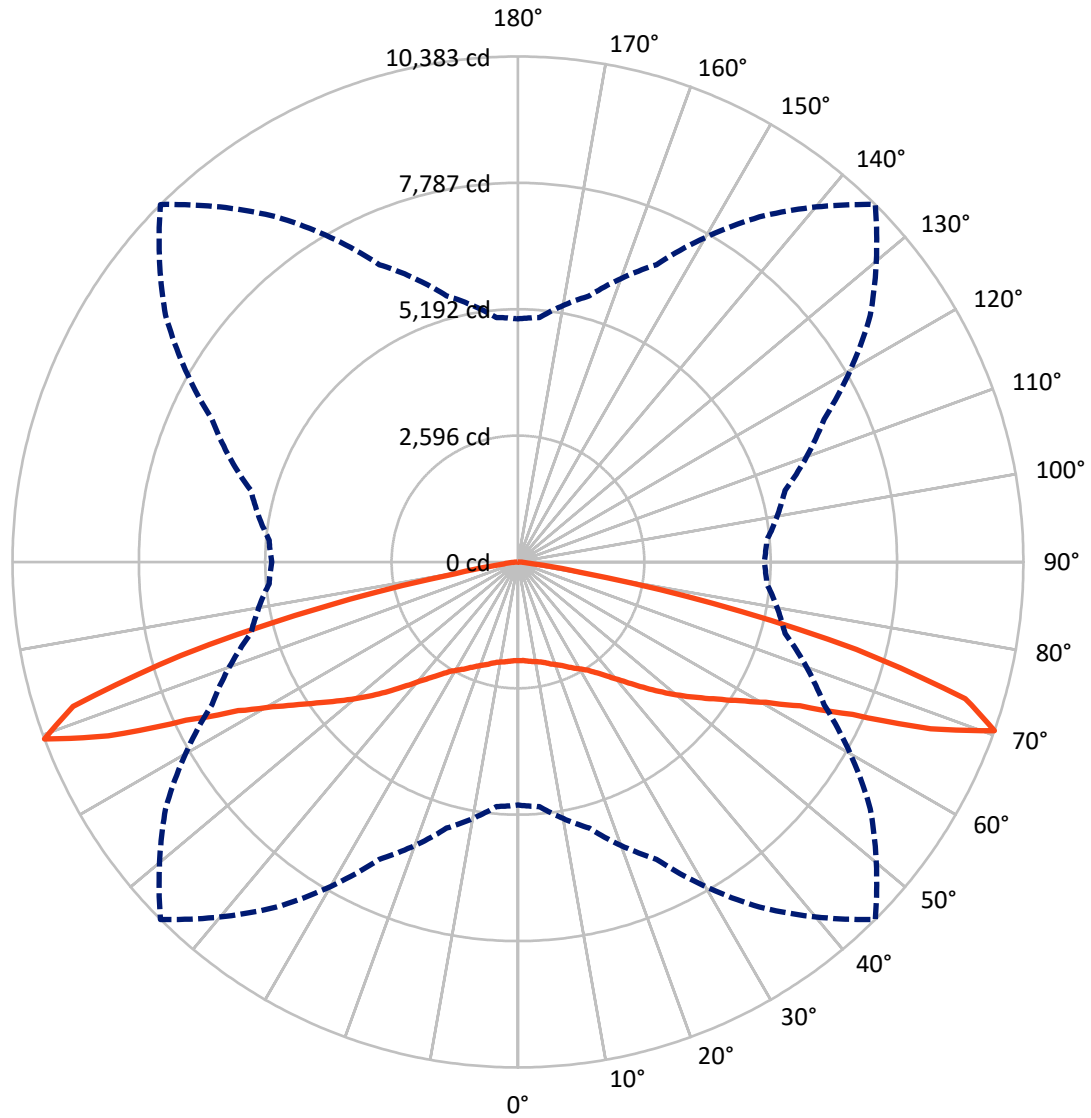
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10572.5	0.0	10572.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10572.5	0.0	10572.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21145.0	0.0	21145.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	196.8	0.9
10°-20°	610.2	2.9
20°-30°	1090.5	5.2
30°-40°	1767.6	8.4
40°-50°	2879.2	13.6
50°-60°	4389.7	20.8
60°-70°	6530.5	30.9
70°-80°	3559.4	16.8
80°-90°	121.2	0.6
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°	21145.0	100.0
0°-180°	21145.0	100.0



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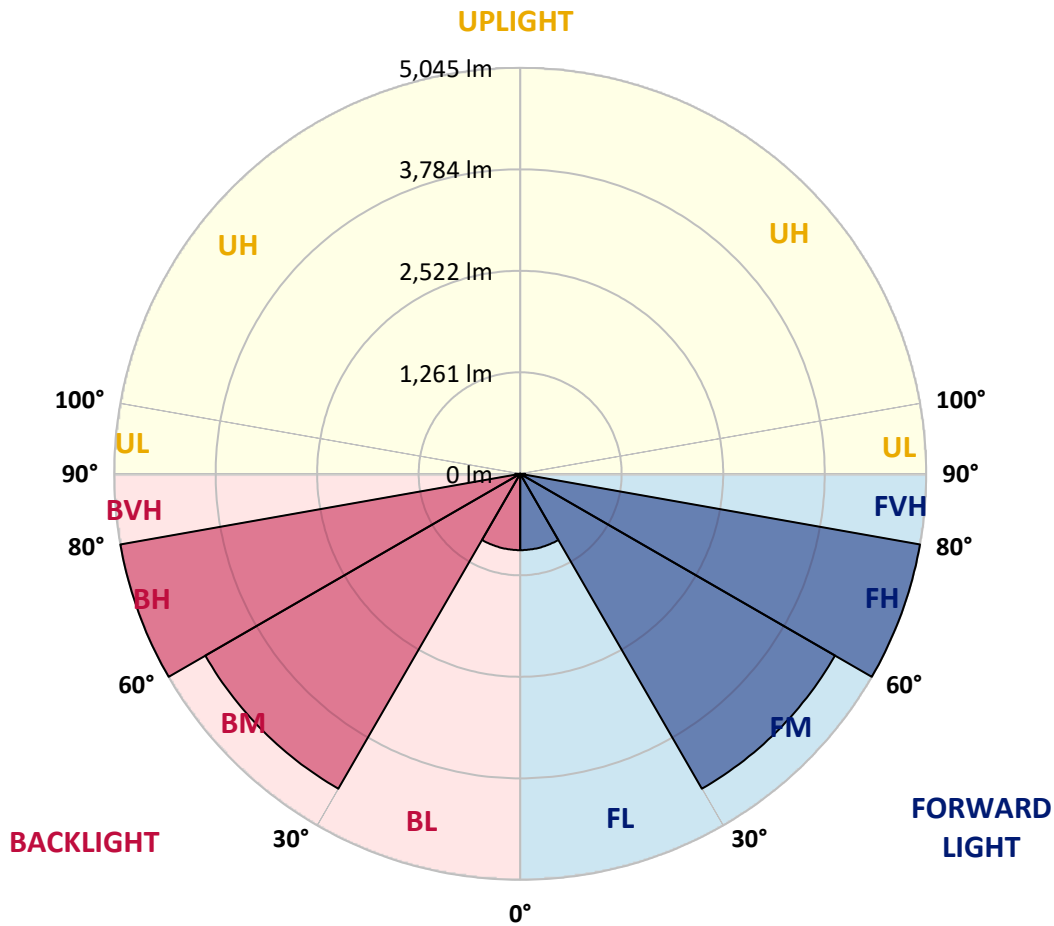
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	948.7	4.5			
FM (30°-60°)	4518.3	21.4			
FH (60°-80°)	5044.9	23.9			G3/7500
FVH (80°-90°)	60.6	0.3			G1/100
BL (0°-30°)	948.7	4.5	B2/1000		
BM (30°-60°)	4518.3	21.4	B3/5000		
BH (60°-80°)	5044.9	23.9	B5		G3/7500
BVH (80°-90°)	60.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2025.5	2025.5	2025.5	2025.5	2025.5	2025.5	2025.5	2025.5	2025.5	2025.5
2.5°	2035.0	2037.1	2032.9	2030.8	2028.7	2025.5	2026.5	2031.8	2036.1	2035.0
5°	2052.0	2054.1	2050.9	2049.9	2045.6	2044.6	2044.6	2049.9	2053.1	2050.9
7.5°	2071.1	2074.3	2069.0	2067.9	2065.8	2063.7	2062.6	2067.9	2071.1	2071.1
10°	2089.2	2092.4	2088.1	2084.9	2082.8	2082.8	2080.7	2084.9	2090.2	2089.2
12.5°	2108.3	2110.4	2106.2	2104.0	2104.0	2107.2	2104.0	2106.2	2110.4	2108.3
15°	2131.6	2132.7	2131.6	2134.8	2140.1	2150.7	2141.2	2139.1	2141.2	2135.9
17.5°	2163.5	2165.6	2169.8	2177.3	2184.7	2203.8	2186.8	2181.5	2181.5	2170.9
20°	2202.8	2205.9	2212.3	2225.0	2234.6	2252.6	2235.7	2228.2	2225.0	2211.2
22.5°	2244.2	2249.5	2259.0	2276.0	2293.0	2310.0	2293.0	2280.2	2270.7	2252.6
25°	2291.9	2298.3	2313.2	2340.8	2364.1	2388.5	2368.4	2342.9	2323.8	2298.3
27.5°	2359.9	2367.3	2385.3	2419.3	2449.0	2470.3	2451.2	2418.3	2391.7	2360.9
30°	2455.4	2462.8	2484.1	2520.2	2540.3	2554.1	2541.4	2515.9	2484.1	2449.0
32.5°	2578.5	2588.1	2611.5	2645.4	2649.7	2651.8	2647.6	2634.8	2611.5	2569.0
35°	2734.6	2745.2	2771.8	2799.4	2795.1	2799.4	2793.0	2788.7	2771.8	2722.9
37.5°	2925.7	2938.4	2966.0	2987.3	2976.6	2971.3	2972.4	2973.5	2963.9	2909.8
40°	3147.5	3164.5	3184.7	3207.0	3189.0	3173.0	3183.6	3192.1	3183.6	3128.4
42.5°	3375.8	3400.2	3421.4	3453.3	3438.4	3418.2	3433.1	3442.7	3424.6	3365.2
45°	3629.5	3652.9	3680.5	3728.2	3717.6	3696.4	3717.6	3719.7	3688.9	3618.9
47.5°	3891.7	3916.1	3957.5	4021.2	4017.0	3993.6	4021.2	4006.4	3967.1	3883.2
50°	4140.1	4174.1	4237.8	4327.0	4335.4	4306.8	4343.9	4315.3	4249.5	4144.4
52.5°	4373.7	4409.8	4510.6	4631.6	4662.4	4625.3	4675.1	4625.3	4526.5	4391.7
55°	4618.9	4659.2	4779.2	4937.4	4998.9	4971.3	5018.0	4942.7	4802.5	4639.1
57.5°	4907.6	4932.0	5075.4	5263.3	5367.3	5373.7	5394.9	5267.5	5097.7	4911.9
60°	5220.8	5254.8	5410.8	5635.9	5800.4	5853.5	5831.2	5642.2	5444.8	5231.4
62.5°	5622.1	5659.2	5846.1	6115.7	6375.8	6507.4	6420.4	6146.5	5902.3	5646.5
65°	5954.3	5995.7	6333.3	6814.2	7287.7	7552.0	7333.3	6829.1	6389.6	6028.6
67.5°	5713.4	5764.3	6294.0	7177.3	8354.5	9143.3	8394.9	7285.5	6424.6	5935.2
70°	4993.6	5041.4	5659.2	6738.8	8655.0	10383.2	8835.4	6937.3	5679.4	5131.6
72.5°	3315.3	3469.2	4094.5	5389.6	7728.2	9608.3	7804.6	5280.2	3798.3	3307.8
75°	1099.8	1222.9	1649.7	2794.0	5176.2	7185.8	4927.8	2472.4	1306.8	940.5
77.5°	277.1	319.5	440.6	799.4	2064.8	4091.3	1858.8	652.9	355.6	248.4
80°	134.8	148.6	212.3	266.5	517.0	1300.4	485.1	250.5	167.7	129.5
82.5°	74.3	75.4	120.0	150.7	192.1	336.5	199.6	146.5	96.6	78.6
85°	45.6	44.6	63.7	80.7	80.7	120.0	95.5	80.7	55.2	48.8
87.5°	18.0	18.0	23.4	25.5	22.3	30.8	24.4	26.5	21.2	20.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2025.5
2036.1
2052.0
2071.1
2089.2
2107.2
2135.9
2170.9
2211.2
2251.6
2297.2
2359.9
2449.0
2570.1
2722.9
2909.8
3128.4
3369.4
3626.3
3877.9
4142.2
4379.0
4616.8
4886.4
5197.4
5601.9
5969.2
5862.0
5058.4
3200.6
889.6
221.9
118.9
78.6
51.0
21.2
0.0

OF REPORT)