

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: P950164

Luminaire Tested: **GALN-SB4C-950-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950164  
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-SB4C-950-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

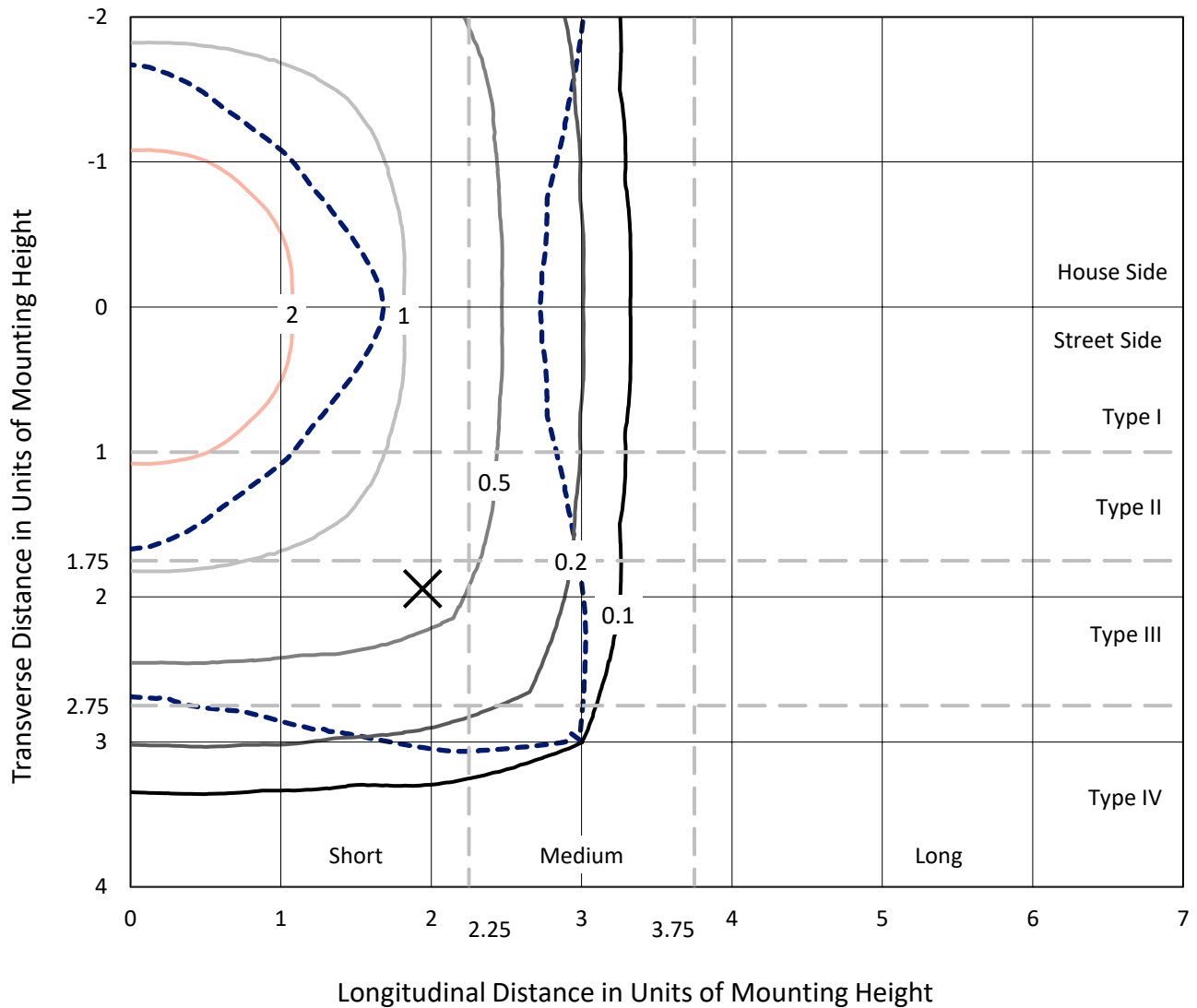
Lumens per Lamp: N/A  
Luminaire Lumens: 21866 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

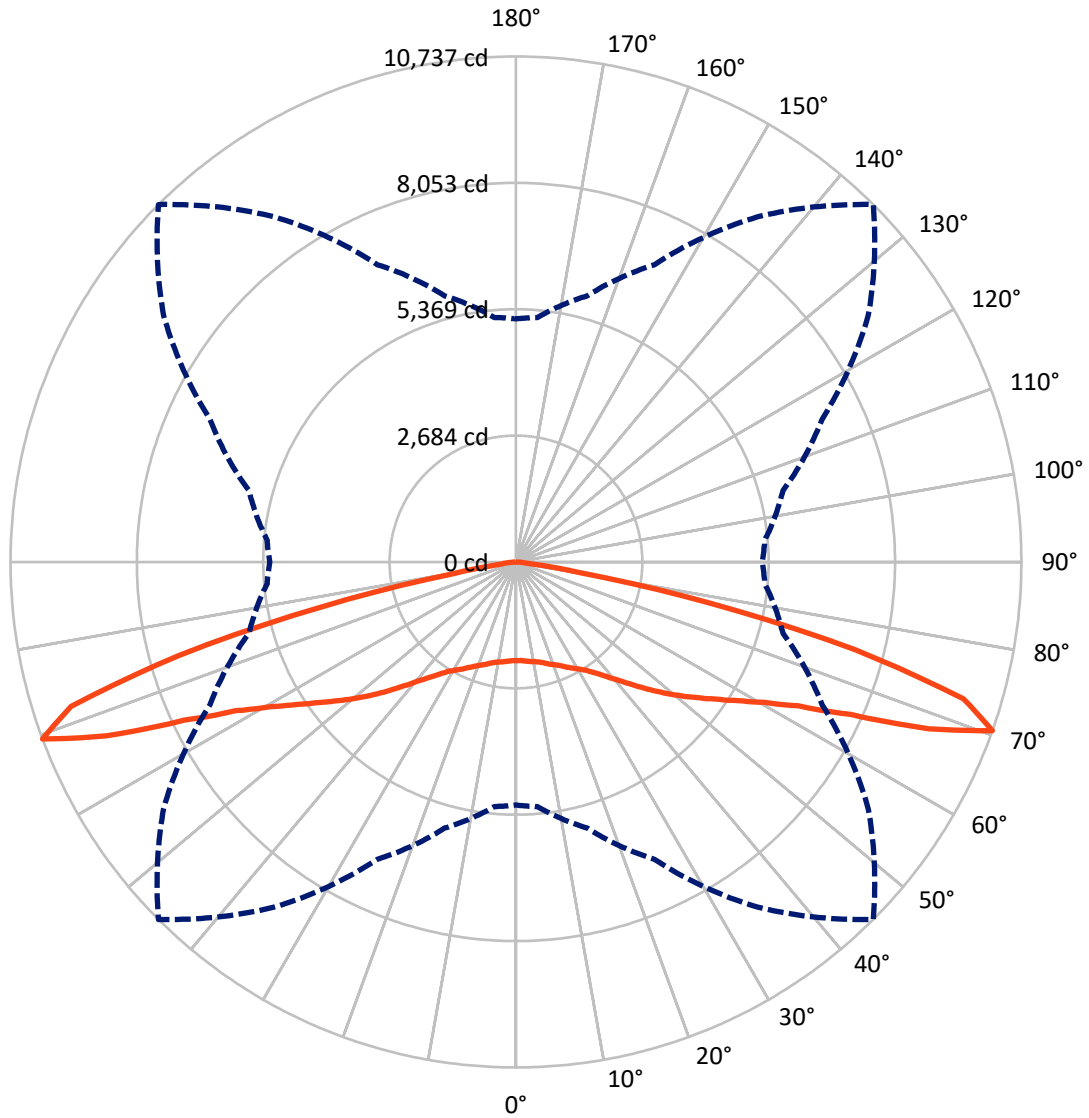
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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	10933.0	0.0	10933.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10933.0	0.0	10933.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21866.0	0.0	21866.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.5	0.9
10°-20°	631.0	2.9
20°-30°	1127.6	5.2
30°-40°	1827.9	8.4
40°-50°	2977.3	13.6
50°-60°	4539.4	20.8
60°-70°	6753.2	30.9
70°-80°	3680.7	16.8
80°-90°	125.3	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°	21866.0	100.0
0°-180°	21866.0	100.0



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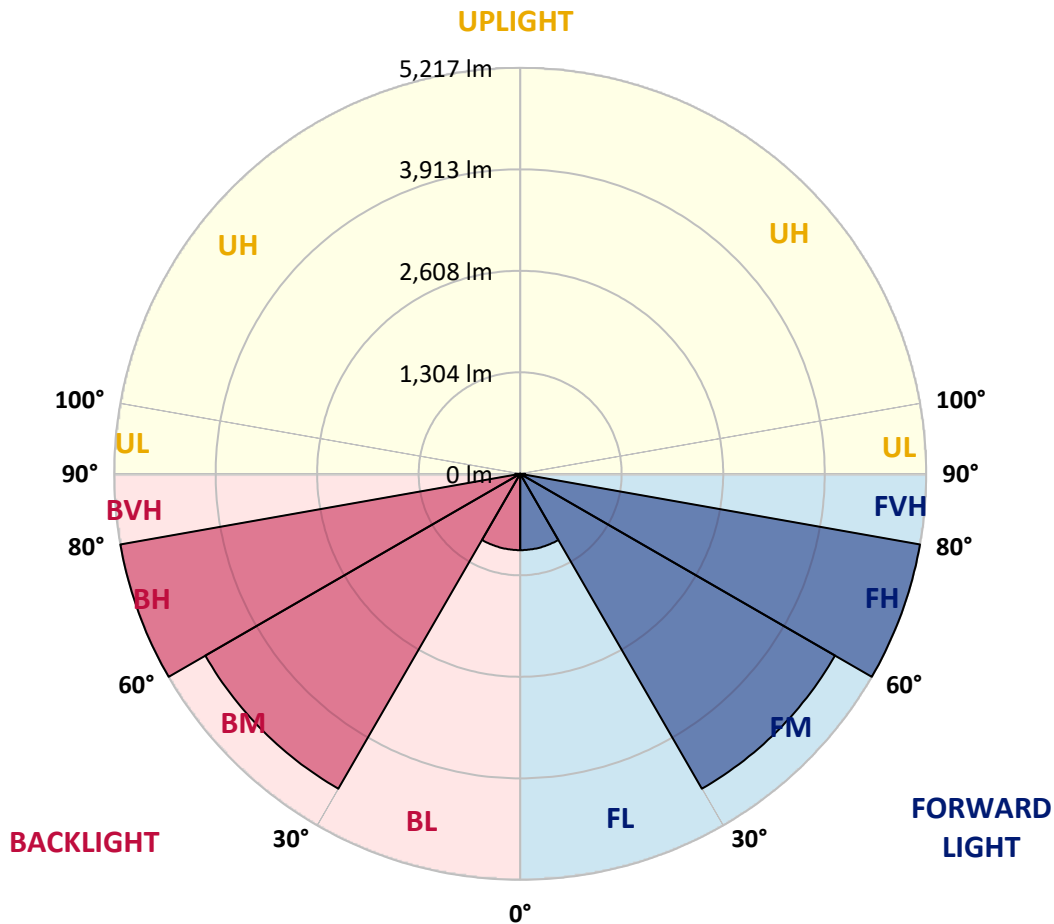
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	981.1	4.5			
FM (30°-60°)	4672.3	21.4			
FH (60°-80°)	5217.0	23.9			G3/7500
FVH (80°-90°)	62.7	0.3			G1/100
BL (0°-30°)	981.1	4.5	B2/1000		
BM (30°-60°)	4672.3	21.4	B3/5000		
BH (60°-80°)	5217.0	23.9	B5		G3/7500
BVH (80°-90°)	62.7	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°	2094.5	2094.5	2094.5	2094.5	2094.5	2094.5	2094.5	2094.5	2094.5	2094.5
2.5°	2104.4	2106.6	2102.2	2100.0	2097.8	2094.5	2095.6	2101.1	2105.5	2104.4
5°	2122.0	2124.2	2120.9	2119.8	2115.4	2114.3	2114.3	2119.8	2123.1	2120.9
7.5°	2141.7	2145.0	2139.5	2138.4	2136.3	2134.1	2133.0	2138.4	2141.7	2141.7
10°	2160.4	2163.7	2159.3	2156.0	2153.8	2153.8	2151.6	2156.0	2161.5	2160.4
12.5°	2180.2	2182.4	2178.0	2175.8	2175.8	2179.1	2175.8	2178.0	2182.4	2180.2
15°	2204.3	2205.4	2204.3	2207.6	2213.1	2224.1	2214.2	2212.0	2214.2	2208.7
17.5°	2237.2	2239.4	2243.8	2251.5	2259.2	2279.0	2261.4	2255.9	2255.9	2244.9
20°	2277.9	2281.2	2287.7	2300.9	2310.8	2329.5	2311.9	2304.2	2300.9	2286.6
22.5°	2320.7	2326.2	2336.0	2353.6	2371.2	2388.7	2371.2	2358.0	2348.1	2329.5
25°	2370.1	2376.7	2392.0	2420.6	2444.7	2470.0	2449.1	2422.8	2403.0	2376.7
27.5°	2440.3	2448.0	2466.7	2501.8	2532.5	2554.5	2534.7	2500.7	2473.3	2441.4
30°	2539.1	2546.8	2568.8	2606.1	2627.0	2641.2	2628.1	2601.7	2568.8	2532.5
32.5°	2666.5	2676.4	2700.5	2735.6	2740.0	2742.2	2737.8	2724.7	2700.5	2656.6
35°	2827.8	2838.8	2866.3	2894.8	2890.4	2894.8	2888.2	2883.8	2866.3	2815.8
37.5°	3025.4	3038.6	3067.2	3089.1	3078.1	3072.6	3073.7	3074.8	3065.0	3009.0
40°	3254.9	3272.4	3293.3	3316.3	3297.7	3281.2	3292.2	3301.0	3292.2	3235.1
42.5°	3490.9	3516.1	3538.1	3571.0	3555.7	3534.8	3550.2	3560.1	3541.4	3479.9
45°	3753.3	3777.4	3806.0	3855.4	3844.4	3822.4	3844.4	3846.6	3814.7	3742.3
47.5°	4024.4	4049.7	4092.5	4158.3	4153.9	4129.8	4158.3	4143.0	4102.3	4015.6
50°	4281.3	4316.4	4382.3	4474.5	4483.3	4453.6	4492.1	4462.4	4394.4	4285.7
52.5°	4522.8	4560.1	4664.4	4789.6	4821.4	4783.0	4834.6	4783.0	4680.9	4541.5
55°	4776.4	4818.1	4942.1	5105.7	5169.4	5140.8	5189.1	5111.2	4966.3	4797.2
57.5°	5075.0	5100.2	5248.4	5442.7	5550.3	5556.9	5578.8	5447.1	5271.5	5079.4
60°	5398.8	5433.9	5595.3	5828.0	5998.2	6053.1	6030.0	5834.6	5630.4	5409.8
62.5°	5813.8	5852.2	6045.4	6324.2	6593.2	6729.3	6639.3	6356.1	6103.6	5839.0
65°	6157.4	6200.2	6549.3	7046.6	7536.2	7809.5	7583.4	7061.9	6607.5	6234.2
67.5°	5908.2	5960.9	6508.7	7422.0	8639.4	9455.1	8681.1	7534.0	6643.7	6137.6
70°	5163.9	5213.3	5852.2	6968.6	8950.1	10737.2	9136.7	7173.9	5873.0	5306.6
72.5°	3428.3	3587.5	4234.1	5573.4	7991.7	9935.9	8070.8	5460.3	3927.8	3420.6
75°	1137.3	1264.6	1705.9	2889.3	5352.7	7430.8	5095.8	2556.7	1351.3	972.6
77.5°	286.5	330.4	455.6	826.6	2135.2	4230.8	1922.2	675.1	367.8	256.9
80°	139.4	153.7	219.6	275.5	534.6	1344.8	501.7	259.1	173.4	133.9
82.5°	76.8	77.9	124.0	155.9	198.7	348.0	206.4	151.5	99.9	81.2
85°	47.2	46.1	65.9	83.4	83.4	124.0	98.8	83.4	57.1	50.5
87.5°	18.7	18.7	24.2	26.3	23.1	31.8	25.2	27.4	22.0	20.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2094.5
2105.5
2122.0
2141.7
2160.4
2179.1
2208.7
2244.9
2286.6
2328.4
2375.6
2440.3
2532.5
2657.7
2815.8
3009.0
3235.1
3484.3
3750.0
4010.1
4283.5
4528.3
4774.2
5053.0
5374.7
5792.9
6172.7
6061.9
5230.9
3309.8
919.9
229.4
122.9
81.2
52.7
22.0
0.0

OF REPORT)