

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: P950143

Luminaire Tested: **GALN-SB4C-940-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950143  
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-940-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

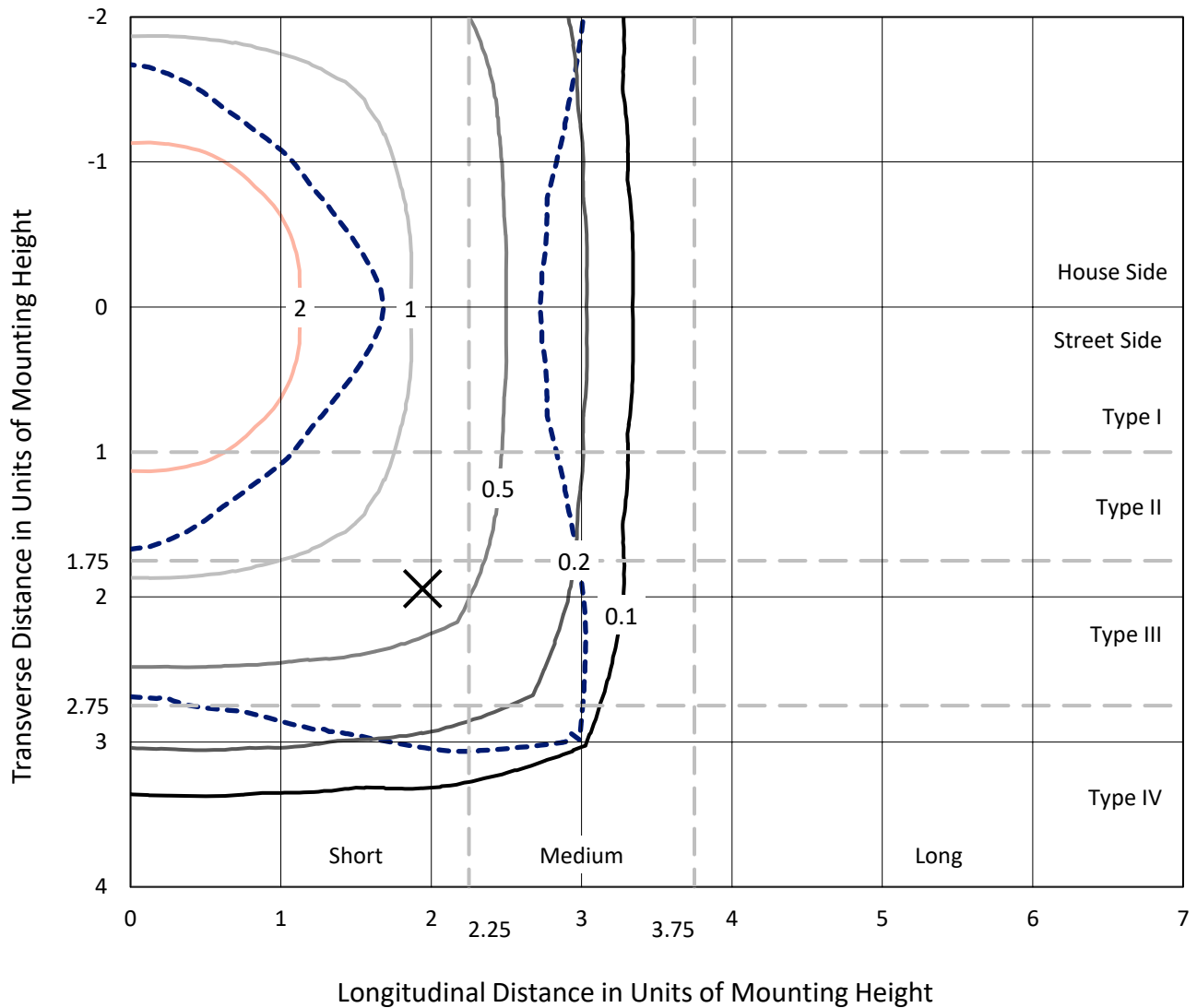
Lumens per Lamp: N/A  
Luminaire Lumens: 22778 lumens  
Efficiency: N/A  
Efficacy: 113.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

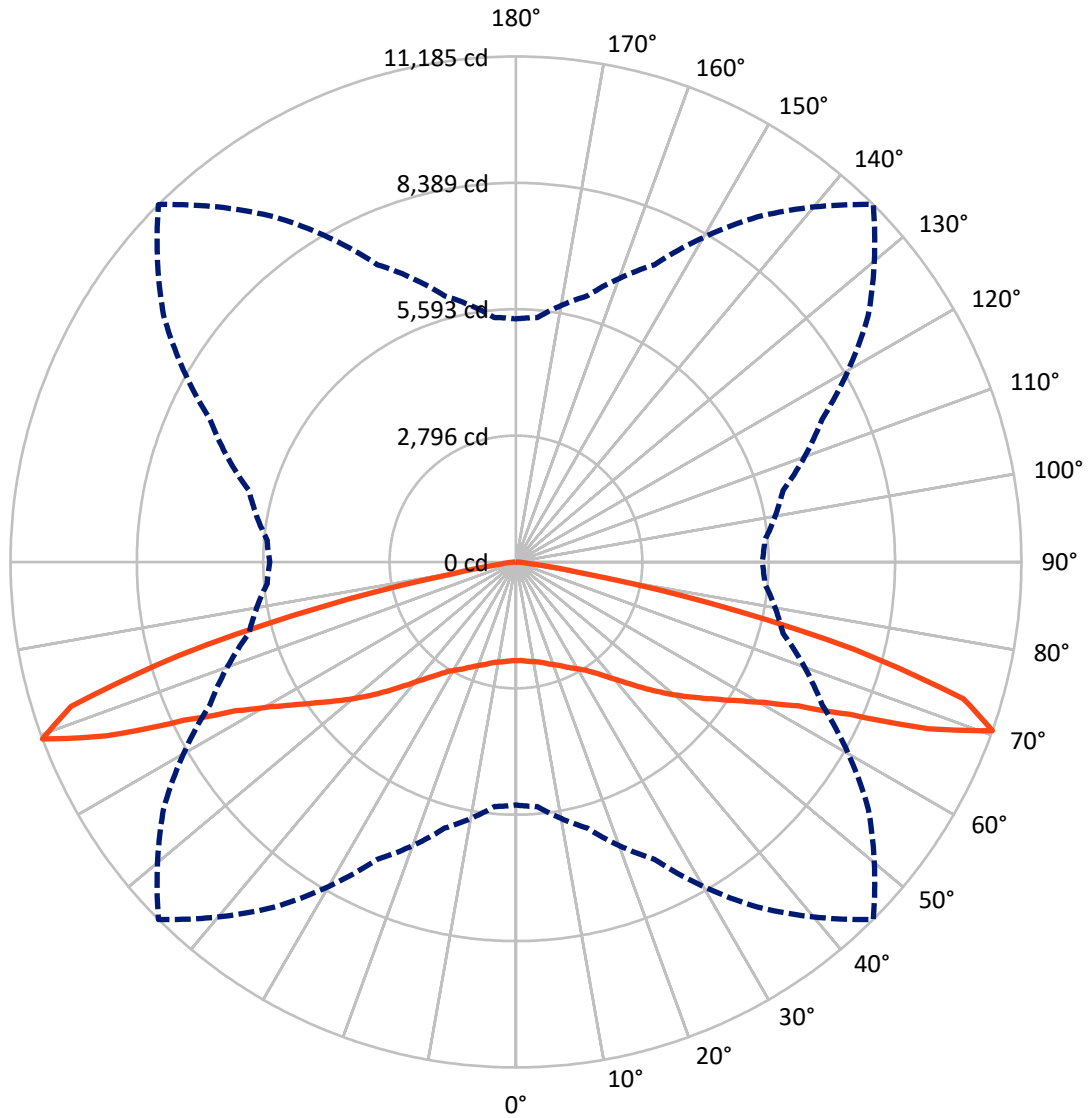
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	11389.0	0.0	11389.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11389.0	0.0	11389.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22778.0	0.0	22778.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.0	0.9
10°-20°	657.3	2.9
20°-30°	1174.7	5.2
30°-40°	1904.1	8.4
40°-50°	3101.5	13.6
50°-60°	4728.8	20.8
60°-70°	7034.9	30.9
70°-80°	3834.2	16.8
80°-90°	130.6	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°	22778.0	100.0
0°-180°	22778.0	100.0



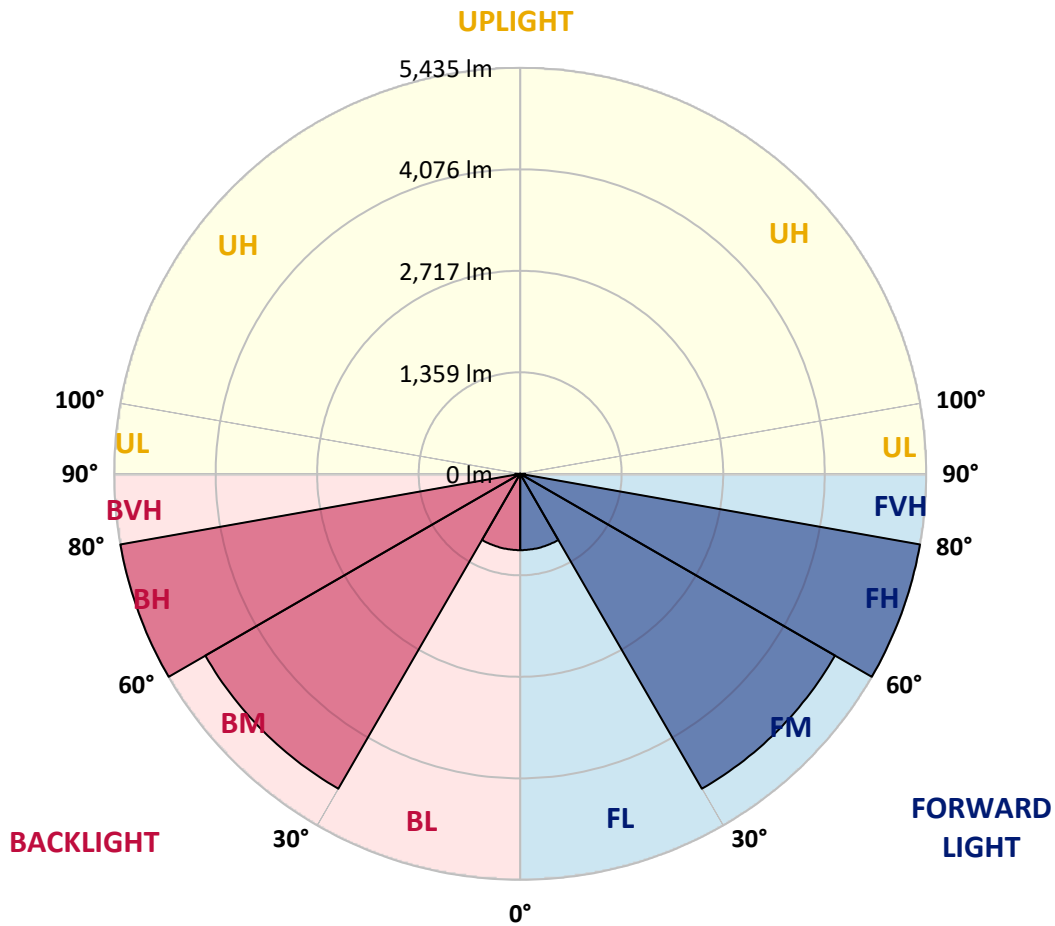
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1022.0	4.5			
FM (30°-60°)	4867.2	21.4			
FH (60°-80°)	5434.6	23.9			G3/7500
FVH (80°-90°)	65.3	0.3			G1/100
BL (0°-30°)	1022.0	4.5	B3/2500		
BM (30°-60°)	4867.2	21.4	B3/5000		
BH (60°-80°)	5434.6	23.9	B5		G3/7500
BVH (80°-90°)	65.3	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°	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9	2181.9
2.5°	2192.2	2194.5	2189.9	2187.6	2185.3	2181.9	2183.0	2188.8	2193.3	2192.2
5°	2210.5	2212.8	2209.3	2208.2	2203.6	2202.5	2202.5	2208.2	2211.6	2209.3
7.5°	2231.1	2234.5	2228.8	2227.6	2225.4	2223.1	2221.9	2227.6	2231.1	2231.1
10°	2250.5	2253.9	2249.4	2245.9	2243.6	2243.6	2241.4	2245.9	2251.7	2250.5
12.5°	2271.1	2273.4	2268.8	2266.5	2266.5	2270.0	2266.5	2268.8	2273.4	2271.1
15°	2296.3	2297.4	2296.3	2299.7	2305.4	2316.8	2306.5	2304.3	2306.5	2300.8
17.5°	2330.6	2332.8	2337.4	2345.4	2353.4	2374.0	2355.7	2350.0	2350.0	2338.6
20°	2372.9	2376.3	2383.2	2396.9	2407.2	2426.6	2408.3	2400.3	2396.9	2382.0
22.5°	2417.5	2423.2	2433.5	2451.8	2470.1	2488.4	2470.1	2456.3	2446.1	2426.6
25°	2468.9	2475.8	2491.8	2521.5	2546.7	2573.0	2551.3	2523.8	2503.2	2475.8
27.5°	2542.1	2550.1	2569.6	2606.2	2638.2	2661.0	2640.5	2605.0	2576.4	2543.3
30°	2645.0	2653.0	2675.9	2714.8	2736.5	2751.4	2737.7	2710.2	2675.9	2638.2
32.5°	2777.7	2788.0	2813.1	2849.7	2854.3	2856.6	2852.0	2838.3	2813.1	2767.4
35°	2945.8	2957.2	2985.8	3015.5	3011.0	3015.5	3008.7	3004.1	2985.8	2933.2
37.5°	3151.6	3165.4	3195.1	3218.0	3206.5	3200.8	3201.9	3203.1	3192.8	3134.5
40°	3390.6	3408.9	3430.7	3454.7	3435.2	3418.1	3429.5	3438.7	3429.5	3370.0
42.5°	3636.5	3662.8	3685.7	3720.0	3704.0	3682.2	3698.2	3708.5	3689.1	3625.1
45°	3909.8	3935.0	3964.7	4016.2	4004.7	3981.8	4004.7	4007.0	3973.8	3898.4
47.5°	4192.3	4218.6	4263.2	4331.8	4327.2	4302.0	4331.8	4315.8	4273.5	4183.1
50°	4459.9	4496.4	4565.1	4661.1	4670.3	4639.4	4679.4	4648.5	4577.6	4464.4
52.5°	4711.4	4750.3	4859.0	4989.3	5022.5	4982.5	5036.2	4982.5	4876.1	4730.9
55°	4975.6	5019.0	5148.3	5318.7	5385.0	5355.3	5405.6	5324.4	5173.4	4997.3
57.5°	5286.6	5312.9	5467.3	5669.7	5781.8	5788.7	5811.5	5674.3	5491.3	5291.2
60°	5624.0	5660.6	5828.7	6071.1	6248.4	6305.5	6281.5	6078.0	5865.3	5635.4
62.5°	6056.2	6096.3	6297.5	6588.0	6868.2	7010.0	6916.2	6621.2	6358.1	6082.6
65°	6414.2	6458.8	6822.4	7340.5	7850.5	8135.2	7899.7	7356.5	6883.0	6494.2
67.5°	6154.6	6209.5	6780.1	7731.6	8999.8	9849.4	9043.2	7848.2	6920.8	6393.6
70°	5379.3	5430.7	6096.3	7259.3	9323.4	11185.1	9517.8	7473.1	6118.0	5527.9
72.5°	3571.3	3737.1	4410.7	5805.8	8325.1	10350.3	8407.4	5688.0	4091.6	3563.3
75°	1184.7	1317.4	1777.1	3009.8	5576.0	7740.7	5308.4	2663.3	1407.7	1013.2
77.5°	298.5	344.2	474.6	861.1	2224.2	4407.2	2002.4	703.3	383.1	267.6
80°	145.2	160.1	228.7	287.0	556.9	1400.9	522.6	269.9	180.7	139.5
82.5°	80.0	81.2	129.2	162.4	207.0	362.5	215.0	157.8	104.1	84.6
85°	49.2	48.0	68.6	86.9	86.9	129.2	102.9	86.9	59.5	52.6
87.5°	19.4	19.4	25.2	27.4	24.0	33.2	26.3	28.6	22.9	21.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2181.9
2193.3
2210.5
2231.1
2250.5
2270.0
2300.8
2338.6
2382.0
2425.5
2474.6
2542.1
2638.2
2768.5
2933.2
3134.5
3370.0
3629.6
3906.4
4177.4
4462.1
4717.2
4973.3
5263.8
5598.8
6034.5
6430.2
6314.7
5449.0
3447.8
958.3
239.0
128.1
84.6
54.9
22.9
0.0

OF REPORT)