

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: P952285

Luminaire Tested: **GALN-SB6A-940-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952285  
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-SB6A-940-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

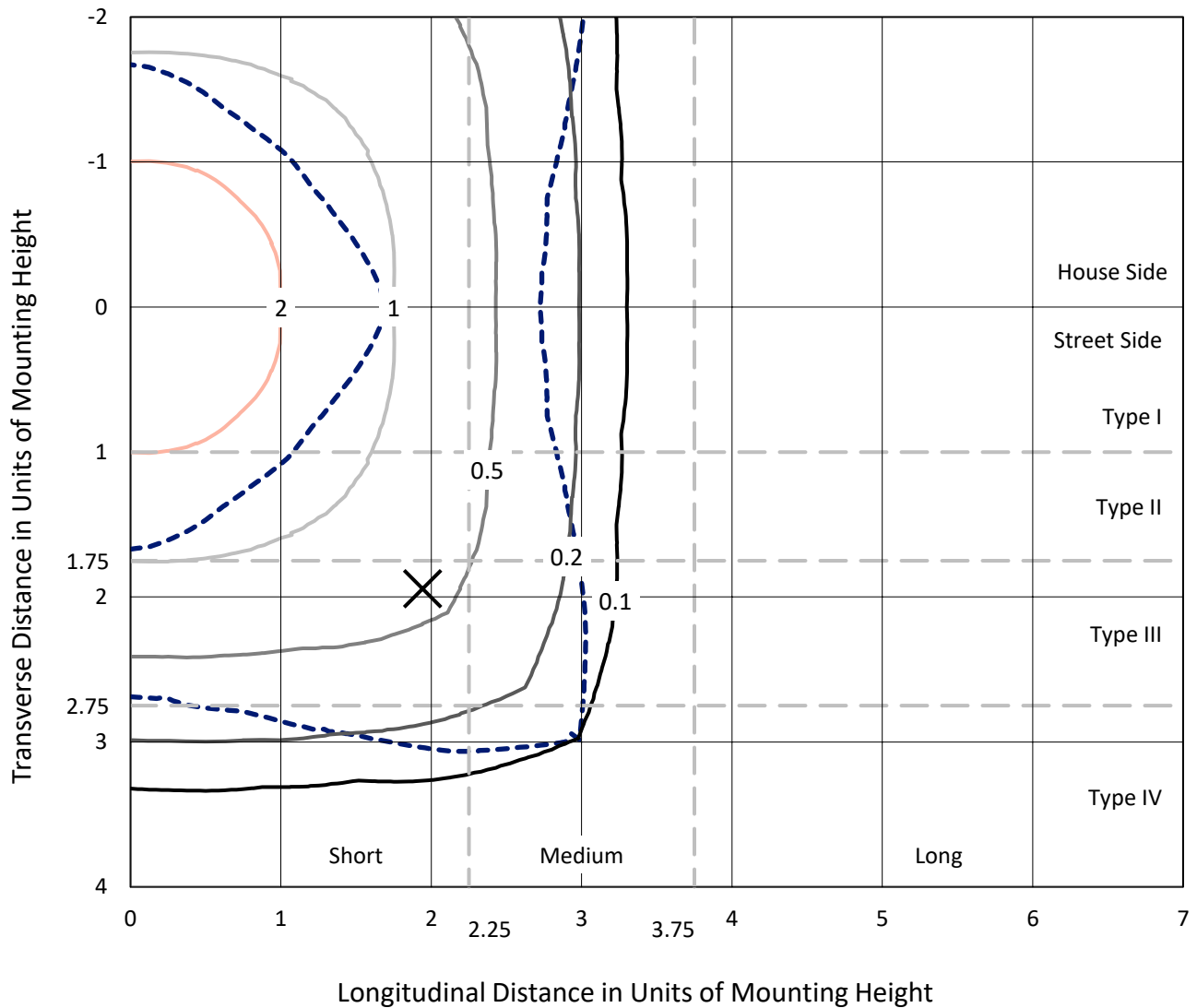
Lumens per Lamp: N/A  
Luminaire Lumens: 20643 lumens  
Efficiency: N/A  
Efficacy: 120.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

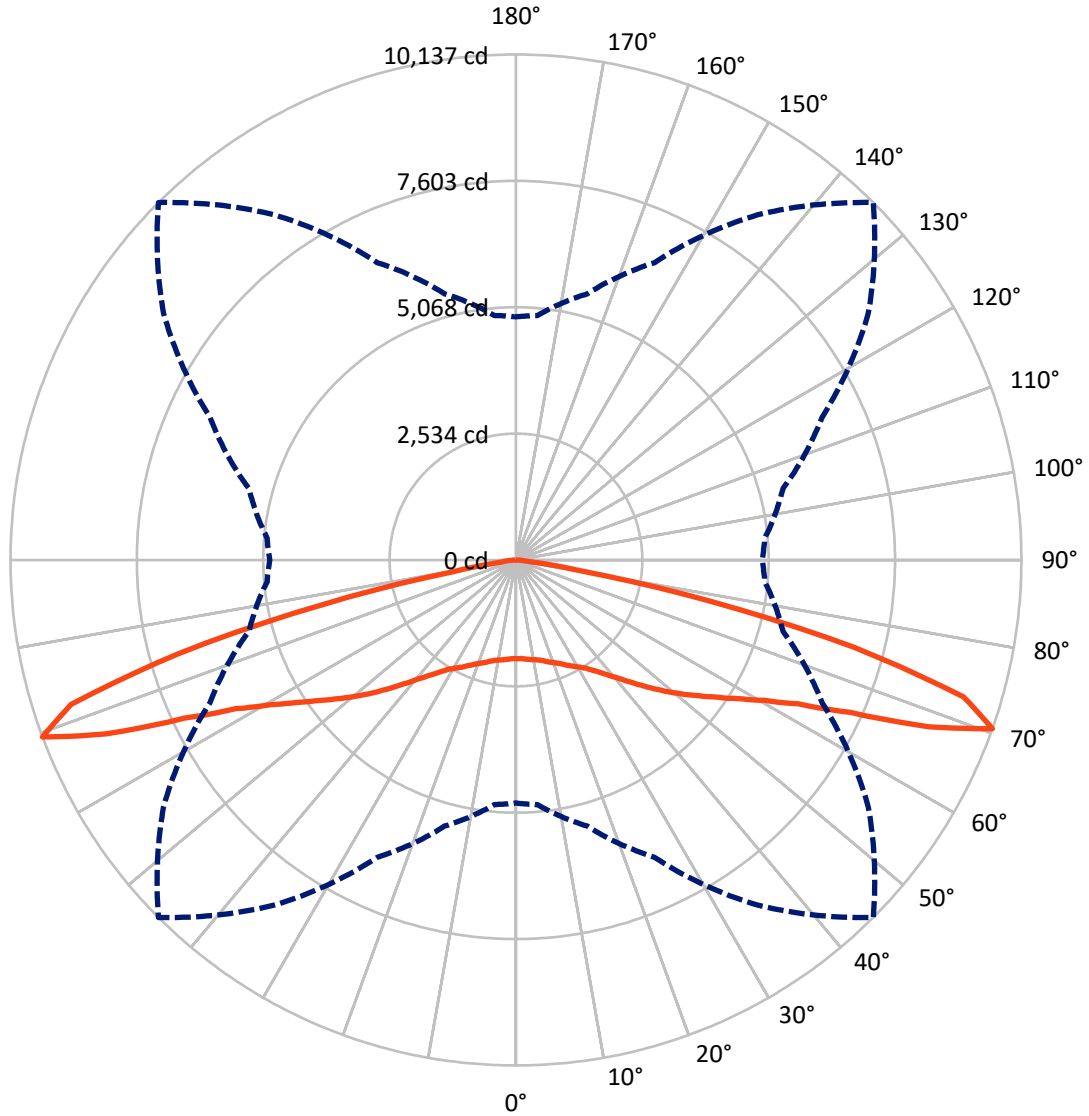
× Max cd  
 - - - 1/2 Max cd



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	10321.5	0.0	10321.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10321.5	0.0	10321.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20643.0	0.0	20643.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.1	0.9
10°-20°	595.7	2.9
20°-30°	1064.6	5.2
30°-40°	1725.7	8.4
40°-50°	2810.8	13.6
50°-60°	4285.5	20.8
60°-70°	6375.5	30.9
70°-80°	3474.8	16.8
80°-90°	118.3	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°	20643.0	100.0
0°-180°	20643.0	100.0



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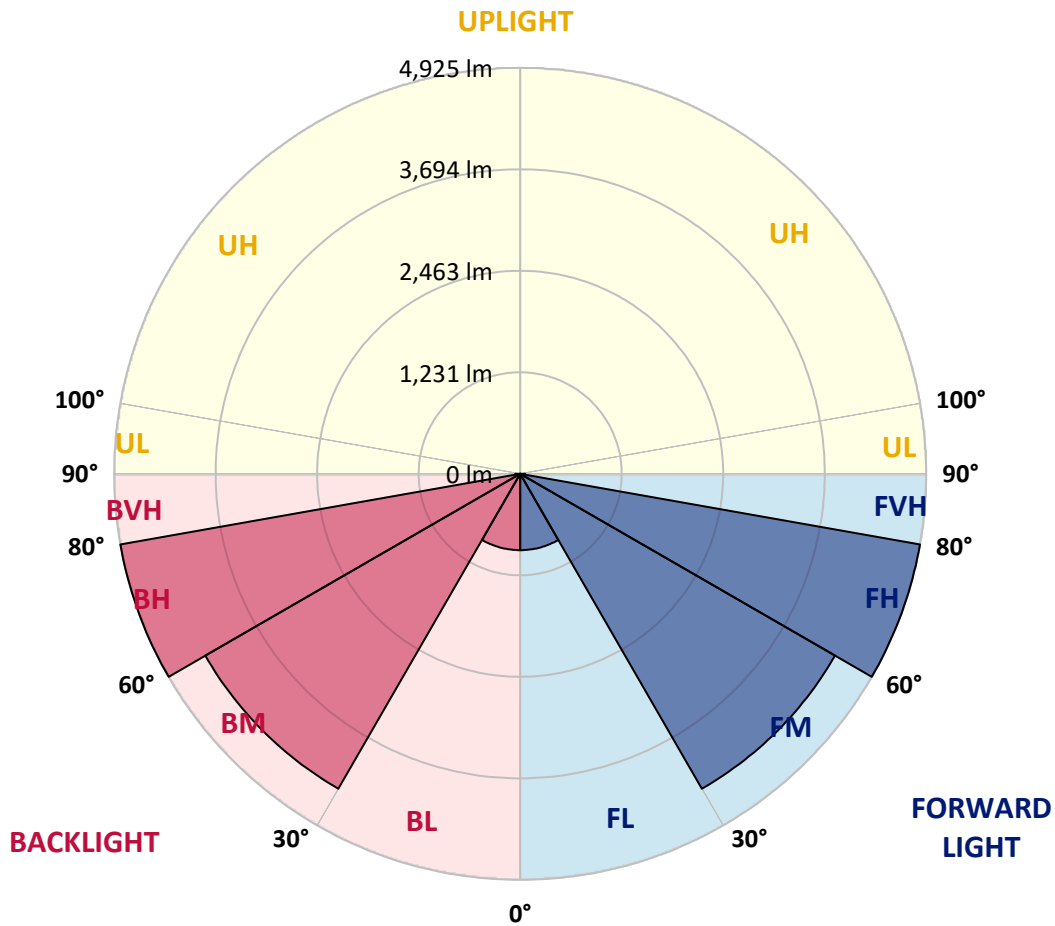
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	926.2	4.5			
FM (30°-60°)	4411.0	21.4			
FH (60°-80°)	4925.2	23.9			G2/5000
FVH (80°-90°)	59.2	0.3			G1/100
BL (0°-30°)	926.2	4.5	B2/1000		
BM (30°-60°)	4411.0	21.4	B3/5000		
BH (60°-80°)	4925.2	23.9	B4/5000		G2/5000
BVH (80°-90°)	59.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1977.4	1977.4	1977.4	1977.4	1977.4	1977.4	1977.4	1977.4	1977.4	1977.4
2.5°	1986.7	1988.8	1984.6	1982.6	1980.5	1977.4	1978.4	1983.6	1987.7	1986.7
5°	2003.3	2005.4	2002.3	2001.2	1997.1	1996.0	1996.0	2001.2	2004.3	2002.3
7.5°	2021.9	2025.1	2019.9	2018.8	2016.8	2014.7	2013.7	2018.8	2021.9	2021.9
10°	2039.6	2042.7	2038.5	2035.4	2033.3	2033.3	2031.3	2035.4	2040.6	2039.6
12.5°	2058.2	2060.3	2056.1	2054.1	2054.1	2057.2	2054.1	2056.1	2060.3	2058.2
15°	2081.0	2082.1	2081.0	2084.1	2089.3	2099.7	2090.3	2088.3	2090.3	2085.2
17.5°	2112.1	2114.2	2118.3	2125.6	2132.8	2151.5	2134.9	2129.7	2129.7	2119.4
20°	2150.5	2153.6	2159.8	2172.2	2181.5	2199.2	2182.6	2175.3	2172.2	2158.7
22.5°	2190.9	2196.1	2205.4	2222.0	2238.5	2255.1	2238.5	2226.1	2216.8	2199.2
25°	2237.5	2243.7	2258.2	2285.2	2308.0	2331.8	2312.1	2287.3	2268.6	2243.7
27.5°	2303.8	2311.1	2328.7	2361.9	2390.9	2411.6	2393.0	2360.8	2334.9	2304.9
30°	2397.1	2404.4	2425.1	2460.3	2480.0	2493.5	2481.1	2456.2	2425.1	2390.9
32.5°	2517.3	2526.7	2549.5	2582.6	2586.8	2588.8	2584.7	2572.3	2549.5	2508.0
35°	2669.7	2680.0	2706.0	2732.9	2728.8	2732.9	2726.7	2722.5	2706.0	2658.3
37.5°	2856.2	2868.7	2895.6	2916.3	2906.0	2900.8	2901.8	2902.9	2893.5	2840.7
40°	3072.8	3089.4	3109.1	3130.9	3113.2	3097.7	3108.1	3116.4	3108.1	3054.2
42.5°	3295.6	3319.5	3340.2	3371.3	3356.8	3337.1	3351.6	3360.9	3343.3	3285.3
45°	3543.3	3566.1	3593.1	3639.7	3629.4	3608.6	3629.4	3631.4	3601.4	3533.0
47.5°	3799.3	3823.2	3863.6	3925.8	3921.6	3898.8	3925.8	3911.2	3872.9	3791.0
50°	4041.8	4075.0	4137.2	4224.2	4232.5	4204.5	4240.8	4212.8	4148.6	4046.0
52.5°	4269.8	4305.1	4403.5	4521.7	4551.7	4515.4	4564.2	4515.4	4419.1	4287.4
55°	4509.2	4548.6	4665.7	4820.1	4880.2	4853.3	4898.9	4825.3	4688.5	4528.9
57.5°	4791.1	4815.0	4954.9	5138.3	5239.9	5246.1	5266.8	5142.4	4976.6	4795.3
60°	5096.8	5130.0	5282.4	5502.1	5662.7	5714.5	5692.8	5508.3	5315.5	5107.2
62.5°	5488.6	5524.9	5707.3	5970.5	6224.4	6352.9	6267.9	6000.6	5762.2	5512.4
65°	5813.0	5853.4	6183.0	6652.4	7114.7	7372.7	7159.2	6666.9	6237.9	5885.5
67.5°	5577.7	5627.5	6144.6	7006.9	8156.2	8926.2	8195.6	7112.6	6272.1	5794.3
70°	4875.1	4921.7	5524.9	6578.8	8449.5	10136.7	8625.7	6772.6	5544.6	5009.8
72.5°	3236.6	3386.8	3997.3	5261.6	7544.7	9380.1	7619.4	5154.9	3708.1	3229.3
75°	1073.7	1193.9	1610.5	2727.7	5053.3	7015.2	4810.8	2413.7	1275.8	918.2
77.5°	270.5	311.9	430.1	780.4	2015.7	3994.2	1814.7	637.4	347.2	242.5
80°	131.6	145.1	207.3	260.1	504.7	1269.5	473.6	244.6	163.7	126.4
82.5°	72.5	73.6	117.1	147.2	187.6	328.5	194.8	143.0	94.3	76.7
85°	44.6	43.5	62.2	78.8	78.8	117.1	93.3	78.8	53.9	47.7
87.5°	17.6	17.6	22.8	24.9	21.8	30.1	23.8	25.9	20.7	19.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1977.4
1987.7
2003.3
2021.9
2039.6
2057.2
2085.2
2119.4
2158.7
2198.1
2242.7
2303.8
2390.9
2509.0
2658.3
2840.7
3054.2
3289.4
3540.2
3785.8
4043.9
4275.0
4507.2
4770.4
5074.0
5468.9
5827.5
5722.8
4938.3
3124.6
868.5
216.6
116.1
76.7
49.7
20.7
0.0

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