

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: P942940

Luminaire Tested: **GALN-SB7A-940-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942940  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7A-940-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

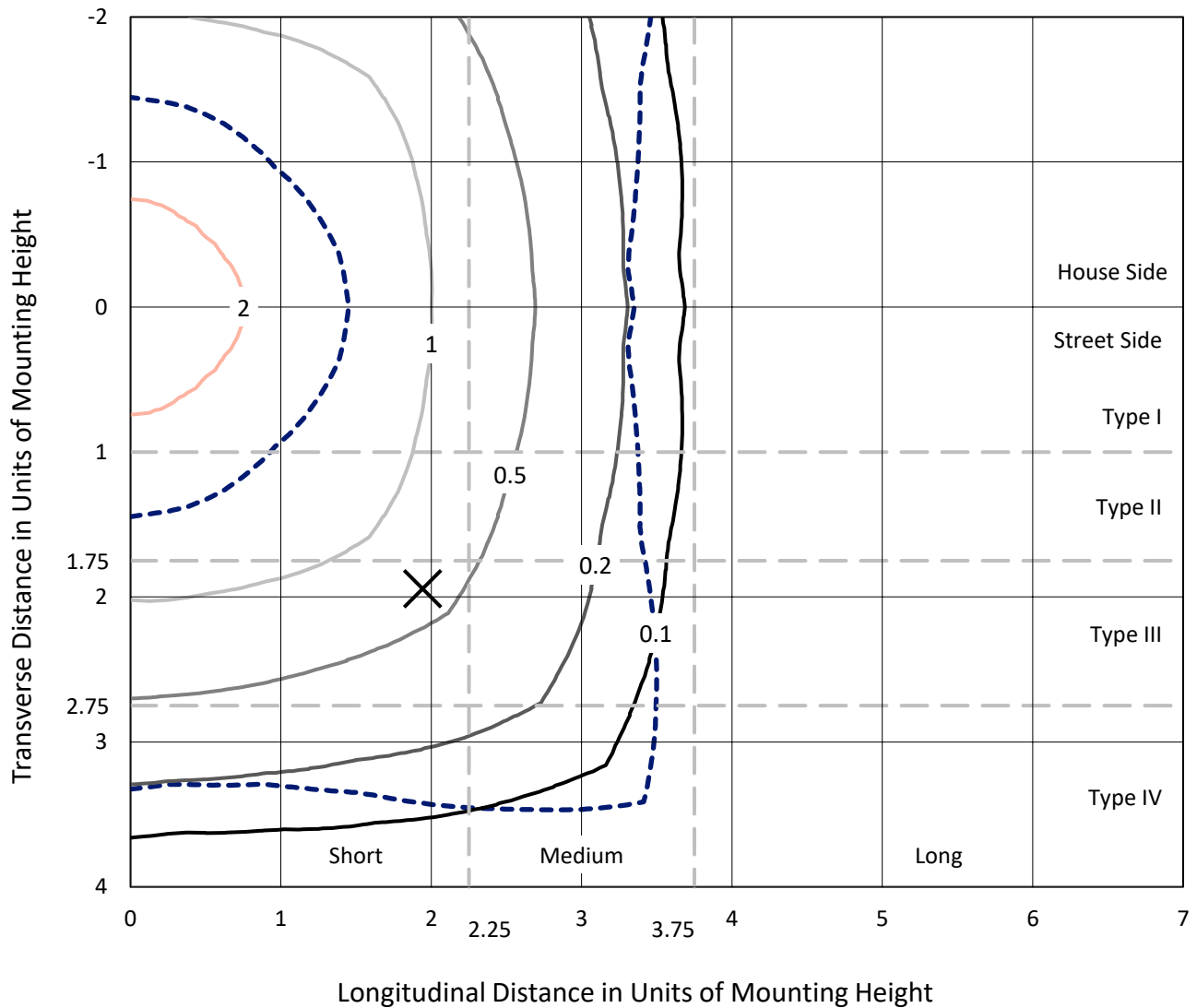
Lumens per Lamp: N/A  
Luminaire Lumens: 23383 lumens  
Efficiency: N/A  
Efficacy: 117.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3  
  
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

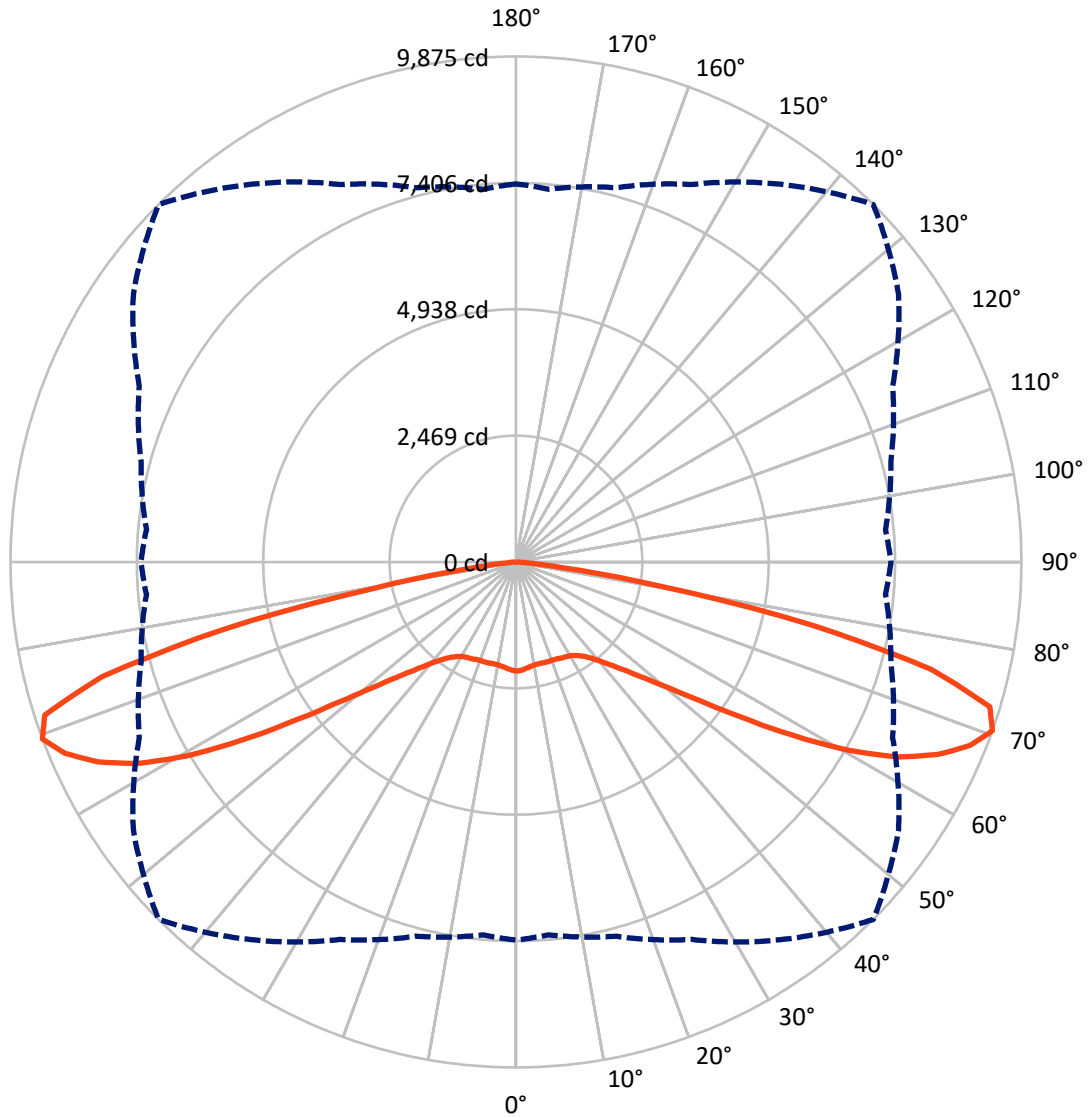
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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	11691.5	0.0	11691.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11691.5	0.0	11691.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23383.0	0.0	23383.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	198.4	0.8
10°-20°	582.6	2.5
20°-30°	969.5	4.1
30°-40°	1466.2	6.3
40°-50°	2436.5	10.4
50°-60°	4597.7	19.7
60°-70°	7763.4	33.2
70°-80°	5101.3	21.8
80°-90°	267.3	1.1
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°	23383.0	100.0
0°-180°	23383.0	100.0

**Coefficient of Utilization**



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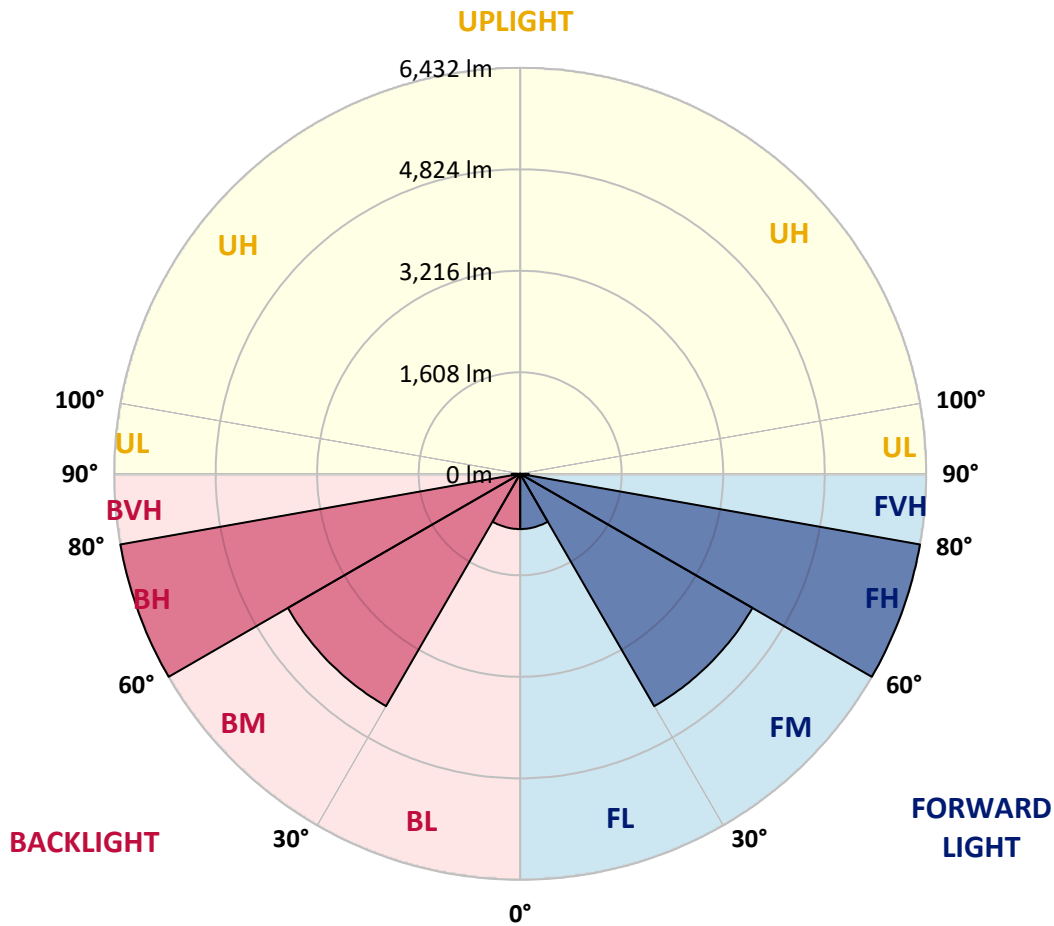
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	875.3	3.7			
FM (30°-60°)	4250.2	18.2			
FH (60°-80°)	6432.4	27.5			G3/7500
FVH (80°-90°)	133.6	0.6			G2/225
BL (0°-30°)	875.3	3.7	B2/1000		
BM (30°-60°)	4250.2	18.2	B3/5000		
BH (60°-80°)	6432.4	27.5	B5		G3/7500
BVH (80°-90°)	133.6	0.6			G2/225
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°	2133.0	2133.0	2133.0	2133.0	2133.0	2133.0	2133.0	2133.0	2133.0	2133.0
2.5°	2119.6	2125.7	2123.3	2118.4	2118.4	2114.8	2118.4	2120.8	2124.5	2126.9
5°	2091.7	2096.5	2095.3	2091.7	2092.9	2089.2	2091.7	2095.3	2097.8	2099.0
7.5°	2067.4	2072.2	2069.8	2063.7	2063.7	2060.1	2061.3	2064.9	2068.6	2069.8
10°	2061.3	2066.2	2058.9	2049.1	2045.5	2040.6	2041.8	2045.5	2052.8	2056.4
12.5°	2063.7	2067.4	2060.1	2045.5	2041.8	2037.0	2037.0	2040.6	2050.4	2055.2
15°	2071.0	2074.7	2063.7	2047.9	2044.3	2040.6	2039.4	2044.3	2055.2	2063.7
17.5°	2084.4	2088.0	2071.0	2049.1	2044.3	2045.5	2044.3	2047.9	2064.9	2080.7
20°	2096.5	2099.0	2075.9	2049.1	2044.3	2045.5	2044.3	2051.6	2073.4	2095.3
22.5°	2100.2	2102.6	2080.7	2057.6	2054.0	2055.2	2054.0	2061.3	2082.0	2103.8
25°	2101.4	2105.0	2088.0	2069.8	2075.9	2078.3	2075.9	2077.1	2092.9	2112.3
27.5°	2119.6	2124.5	2108.7	2092.9	2096.5	2095.3	2099.0	2102.6	2114.8	2134.2
30°	2157.3	2161.0	2147.6	2131.8	2129.4	2120.8	2131.8	2143.9	2157.3	2174.3
32.5°	2219.3	2226.6	2209.6	2192.6	2181.6	2176.8	2185.3	2205.9	2224.2	2242.4
35°	2322.6	2327.5	2311.7	2280.1	2260.6	2260.6	2267.9	2294.6	2323.8	2346.9
37.5°	2468.4	2474.5	2446.6	2408.9	2379.7	2379.7	2389.4	2417.4	2461.2	2494.0
40°	2645.9	2654.4	2619.2	2580.3	2552.3	2547.4	2559.6	2591.2	2632.5	2673.8
42.5°	2859.8	2869.5	2823.3	2789.3	2767.4	2767.4	2773.5	2802.7	2840.4	2891.4
45°	3133.3	3150.3	3087.1	3053.0	3032.4	3037.2	3040.9	3066.4	3100.4	3158.8
47.5°	3459.0	3476.0	3409.2	3373.9	3370.3	3393.4	3378.8	3397.0	3415.2	3482.1
50°	3828.5	3857.6	3811.4	3809.0	3816.3	3858.8	3824.8	3834.5	3813.9	3856.4
52.5°	4280.6	4323.1	4314.6	4329.2	4410.6	4498.1	4420.4	4386.3	4308.5	4321.9
55°	4828.7	4893.1	4905.3	4992.8	5177.5	5356.2	5190.9	5053.6	4888.3	4857.9
57.5°	5452.2	5503.3	5561.6	5740.3	6085.4	6402.6	6085.4	5781.6	5521.5	5459.5
60°	6123.1	6186.3	6242.2	6506.0	7018.8	7464.9	7009.1	6526.6	6182.7	6098.8
62.5°	6843.8	6925.3	6964.2	7257.1	7855.0	8387.4	7863.5	7278.9	6897.3	6807.4
65°	7535.4	7602.2	7646.0	7958.3	8529.6	9063.1	8568.5	7992.4	7599.8	7481.9
67.5°	7857.5	7893.9	8000.9	8354.6	8957.4	9566.3	9059.5	8392.2	7953.5	7746.9
70°	7385.9	7311.8	7569.4	8135.8	9008.4	9875.0	9125.1	8118.8	7581.6	7246.1
72.5°	5707.4	5579.8	6027.1	6995.8	8425.0	9678.1	8483.4	7050.4	6305.4	5624.8
75°	3105.3	2960.7	3578.1	4803.2	6718.6	8388.6	6873.0	4940.5	3984.0	3082.2
77.5°	876.3	821.6	1319.9	2323.8	4041.2	5889.8	4196.7	2374.9	1565.4	928.6
80°	268.6	260.1	352.5	700.1	1716.1	2820.9	1649.3	708.6	448.5	283.2
82.5°	159.2	145.8	175.0	255.2	437.5	886.0	425.4	266.2	213.9	143.4
85°	91.2	85.1	103.3	124.0	147.1	188.4	122.8	126.4	114.2	76.6
87.5°	37.7	34.0	40.1	38.9	34.0	43.8	32.8	38.9	46.2	30.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2133.0
2125.7
2099.0
2069.8
2056.4
2056.4
2064.9
2080.7
2096.5
2103.8
2111.1
2129.4
2170.7
2235.1
2338.4
2481.8
2660.5
2887.8
3156.4
3462.6
3830.9
4276.9
4810.5
5415.8
6025.9
6734.4
7423.6
7749.3
7326.3
5793.7
3282.8
1031.9
299.0
155.6
80.2
28.0
0.0

OF REPORT)