

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: P939680

Luminaire Tested: **GALN-SB2B-927-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939680  
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-SB2B-927-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

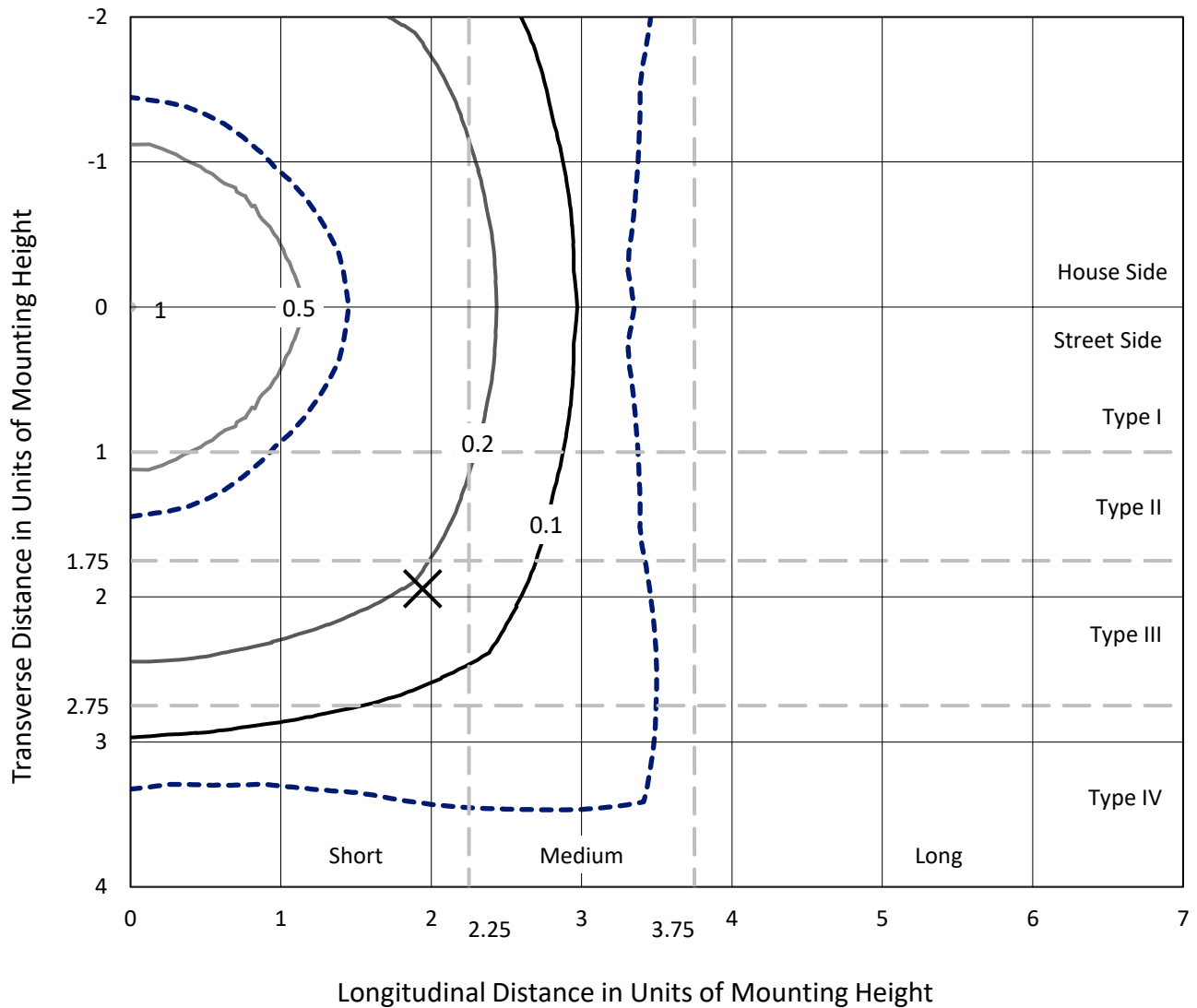
Lumens per Lamp: N/A  
Luminaire Lumens: 6933 lumens  
Efficiency: N/A  
Efficacy: 93.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

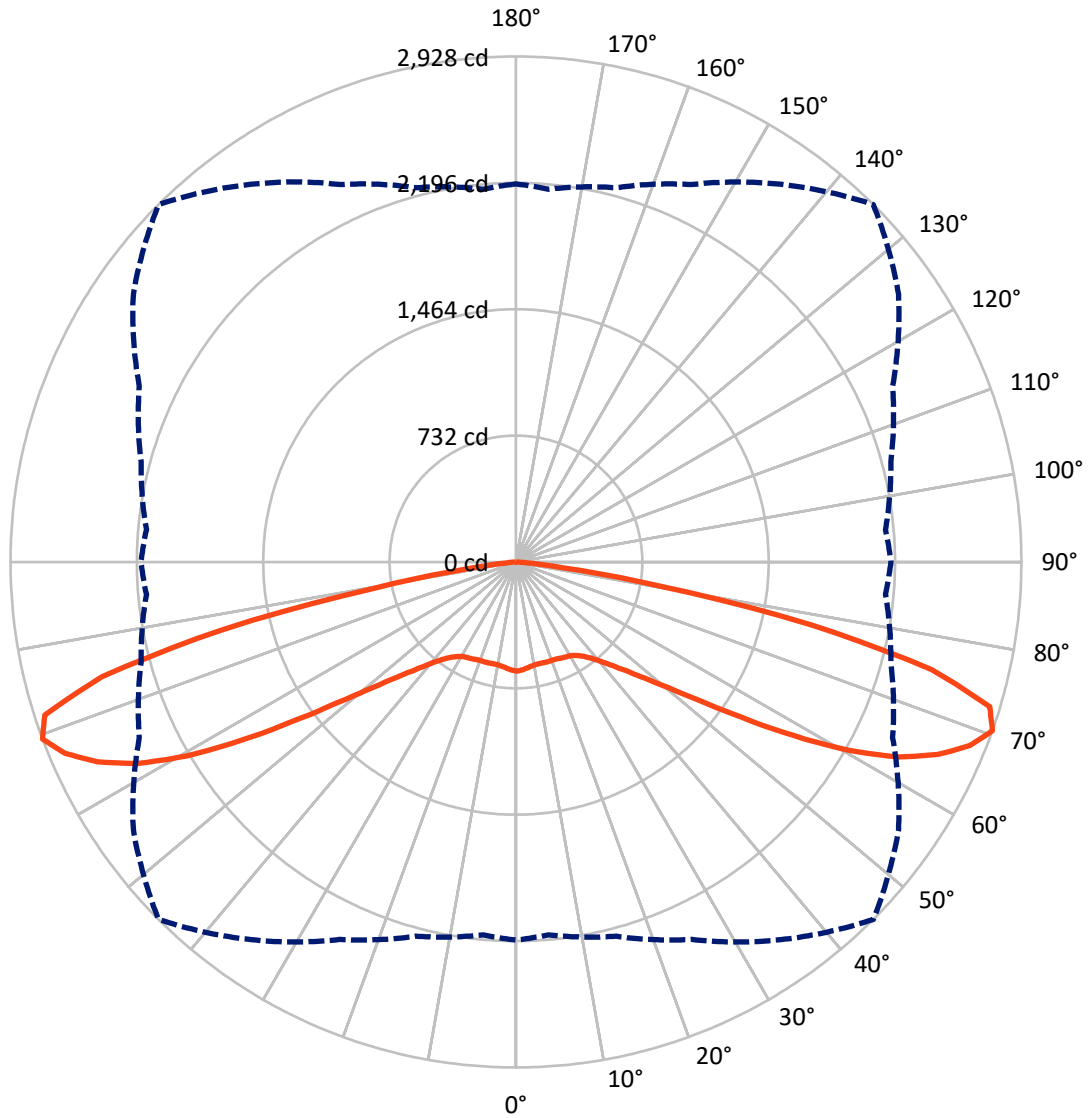
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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	3466.5	0.0	3466.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3466.5	0.0	3466.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6933.0	0.0	6933.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.8	0.8
10°-20°	172.7	2.5
20°-30°	287.5	4.1
30°-40°	434.7	6.3
40°-50°	722.4	10.4
50°-60°	1363.2	19.7
60°-70°	2301.8	33.2
70°-80°	1512.5	21.8
80°-90°	79.2	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°	6933.0	100.0
0°-180°	6933.0	100.0

**Coefficient of Utilization**



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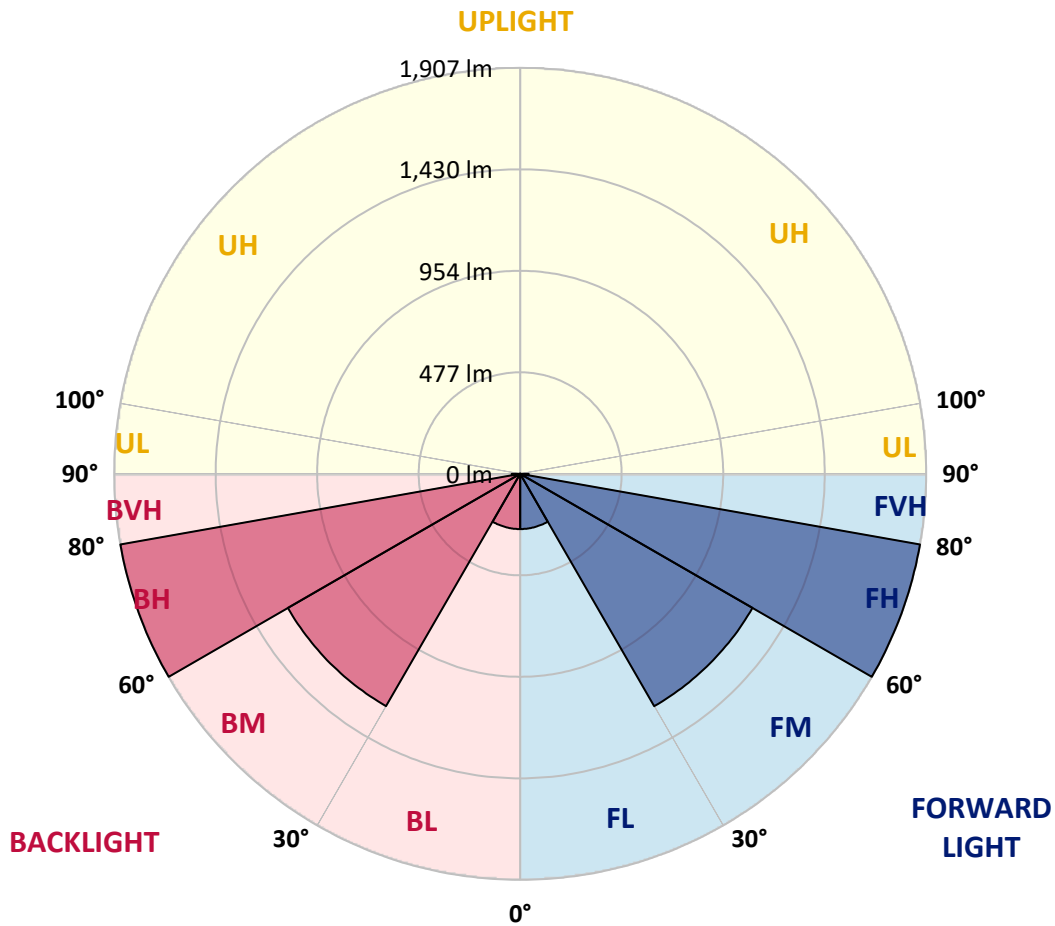
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	259.5	3.7			
FM (30°-60°)	1260.2	18.2			
FH (60°-80°)	1907.2	27.5			G2/5000
FVH (80°-90°)	39.6	0.6			G1/100
BL (0°-30°)	259.5	3.7	B1/500		
BM (30°-60°)	1260.2	18.2	B2/2500		
BH (60°-80°)	1907.2	27.5	B3/2500		G2/5000
BVH (80°-90°)	39.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4	632.4
2.5°	628.5	630.3	629.5	628.1	628.1	627.0	628.1	628.8	629.9	630.6
5°	620.2	621.6	621.3	620.2	620.5	619.5	620.2	621.3	622.0	622.3
7.5°	613.0	614.4	613.7	611.9	611.9	610.8	611.2	612.2	613.3	613.7
10°	611.2	612.6	610.4	607.6	606.5	605.0	605.4	606.5	608.6	609.7
12.5°	611.9	613.0	610.8	606.5	605.4	604.0	604.0	605.0	607.9	609.4
15°	614.1	615.1	611.9	607.2	606.1	605.0	604.7	606.1	609.4	611.9
17.5°	618.0	619.1	614.1	607.6	606.1	606.5	606.1	607.2	612.2	616.9
20°	621.6	622.3	615.5	607.6	606.1	606.5	606.1	608.3	614.8	621.3
22.5°	622.7	623.4	616.9	610.1	609.0	609.4	609.0	611.2	617.3	623.8
25°	623.1	624.1	619.1	613.7	615.5	616.2	615.5	615.9	620.5	626.3
27.5°	628.5	629.9	625.2	620.5	621.6	621.3	622.3	623.4	627.0	632.8
30°	639.6	640.7	636.8	632.1	631.3	628.8	632.1	635.7	639.6	644.7
32.5°	658.0	660.2	655.1	650.1	646.8	645.4	647.9	654.1	659.5	664.9
35°	688.6	690.1	685.4	676.0	670.3	670.3	672.4	680.4	689.0	695.9
37.5°	731.9	733.7	725.4	714.2	705.6	705.6	708.5	716.8	729.7	739.5
40°	784.5	787.0	776.6	765.0	756.8	755.3	758.9	768.3	780.5	792.8
42.5°	847.9	850.8	837.1	827.0	820.5	820.5	822.3	831.0	842.2	857.3
45°	929.0	934.0	915.3	905.2	899.1	900.5	901.6	909.2	919.3	936.6
47.5°	1025.6	1030.6	1010.8	1000.4	999.3	1006.1	1001.8	1007.2	1012.6	1032.4
50°	1135.1	1143.8	1130.1	1129.4	1131.5	1144.1	1134.0	1136.9	1130.8	1143.4
52.5°	1269.2	1281.8	1279.3	1283.6	1307.7	1333.7	1310.6	1300.5	1277.5	1281.4
55°	1431.7	1450.8	1454.4	1480.4	1535.1	1588.1	1539.1	1498.4	1449.4	1440.4
57.5°	1616.6	1631.7	1649.0	1702.0	1804.3	1898.4	1804.3	1714.2	1637.1	1618.7
60°	1815.5	1834.2	1850.8	1929.0	2081.1	2213.3	2078.2	1935.1	1833.1	1808.3
62.5°	2029.2	2053.3	2064.9	2151.7	2329.0	2486.8	2331.5	2158.2	2045.0	2018.4
65°	2234.2	2254.0	2267.0	2359.6	2529.0	2687.2	2540.5	2369.7	2253.3	2218.4
67.5°	2329.7	2340.5	2372.2	2477.1	2655.8	2836.4	2686.1	2488.3	2358.2	2296.9
70°	2189.9	2167.9	2244.3	2412.2	2671.0	2927.9	2705.6	2407.2	2247.9	2148.5
72.5°	1692.2	1654.4	1787.0	2074.2	2498.0	2869.5	2515.3	2090.4	1869.5	1667.7
75°	920.7	877.8	1060.9	1424.1	1992.1	2487.2	2037.8	1464.9	1181.3	913.9
77.5°	259.8	243.6	391.3	689.0	1198.2	1746.3	1244.3	704.1	464.1	275.3
80°	79.6	77.1	104.5	207.6	508.8	836.4	489.0	210.1	133.0	84.0
82.5°	47.2	43.2	51.9	75.7	129.7	262.7	126.1	78.9	63.4	42.5
85°	27.0	25.2	30.6	36.8	43.6	55.9	36.4	37.5	33.9	22.7
87.5°	11.2	10.1	11.9	11.5	10.1	13.0	9.7	11.5	13.7	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
632.4
630.3
622.3
613.7
609.7
609.7
612.2
616.9
621.6
623.8
625.9
631.3
643.6
662.7
693.3
735.9
788.8
856.2
935.9
1026.7
1135.9
1268.1
1426.3
1605.8
1786.7
1996.7
2201.1
2297.6
2172.2
1717.8
973.3
305.9
88.6
46.1
23.8
8.3
0.0

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