

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: P939340

Luminaire Tested: **GALN-SB1D-927-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939340  
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-SB1D-927-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6267 lumens  
Efficiency: N/A  
Efficacy: 78.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

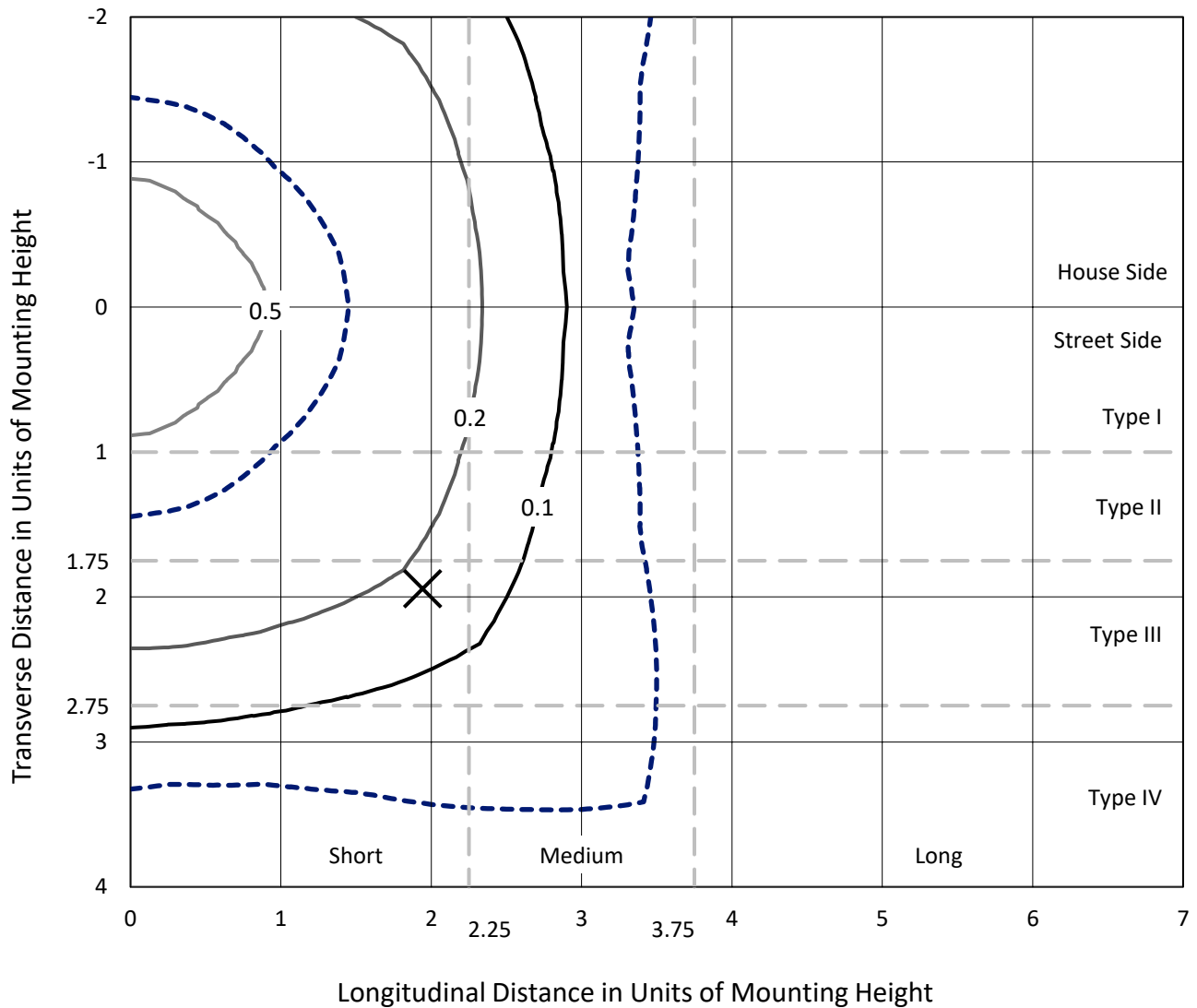
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

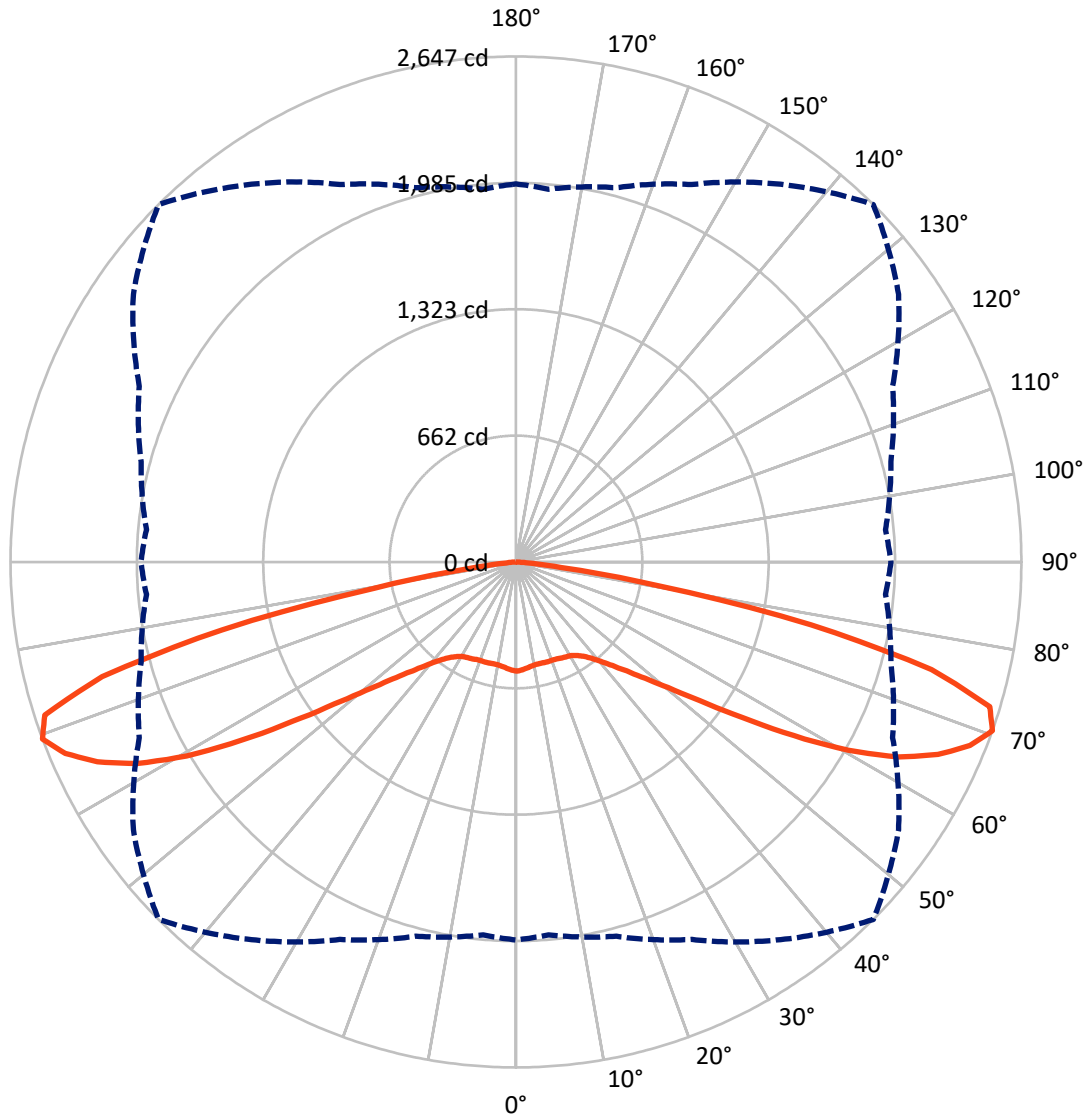
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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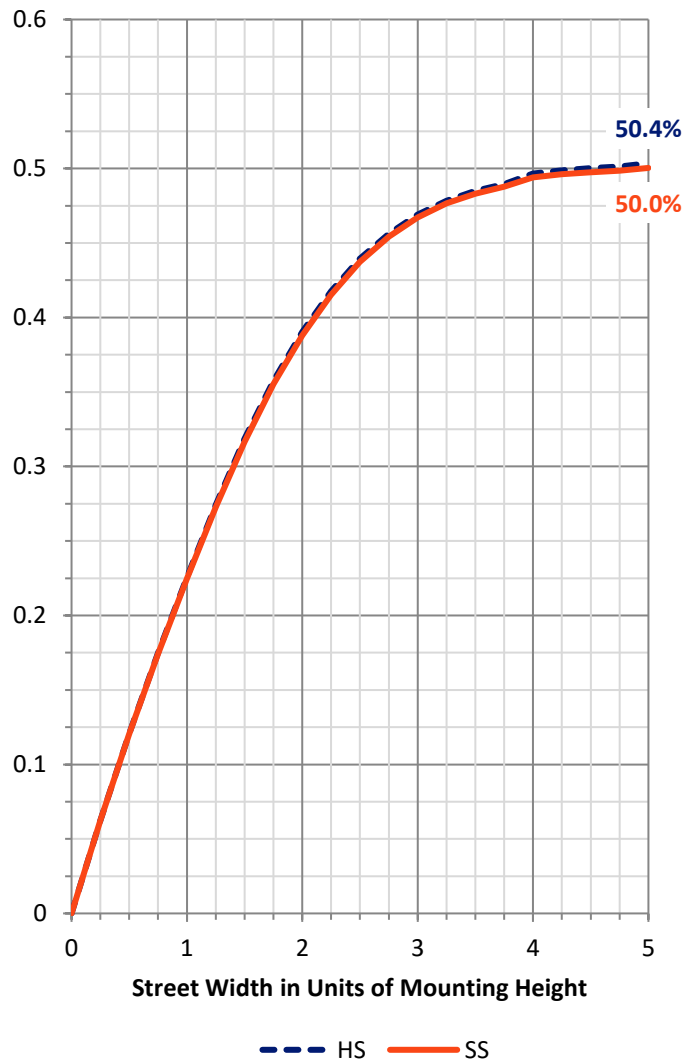
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3133.5	0.0	3133.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3133.5	0.0	3133.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6267.0	0.0	6267.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.2	0.8
10°-20°	156.1	2.5
20°-30°	259.9	4.1
30°-40°	393.0	6.3
40°-50°	653.0	10.4
50°-60°	1232.2	19.7
60°-70°	2080.7	33.2
70°-80°	1367.2	21.8
80°-90°	71.6	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°	6267.0	100.0
0°-180°	6267.0	100.0

**Coefficient of Utilization**



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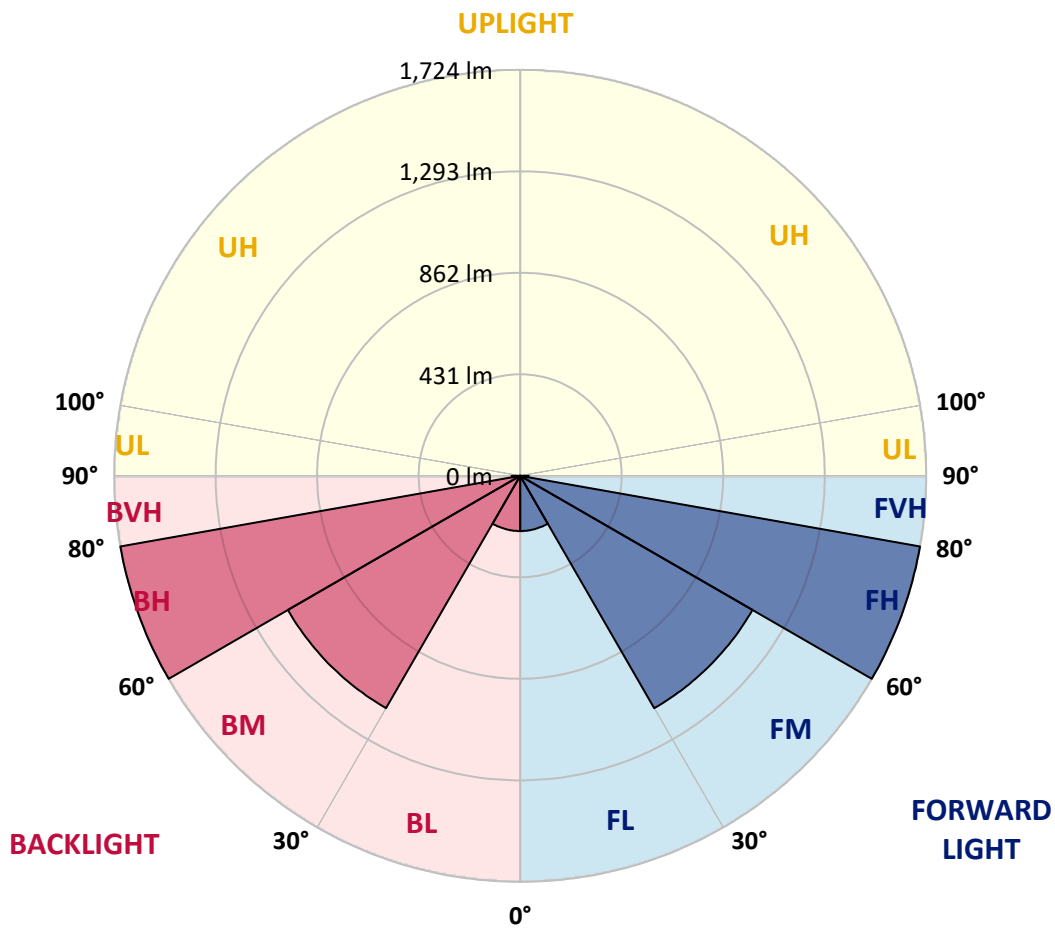
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	234.6	3.7			
FM (30°-60°)	1139.1	18.2			
FH (60°-80°)	1724.0	27.5			G1/1800
FVH (80°-90°)	35.8	0.6			G1/100
BL (0°-30°)	234.6	3.7	B1/500		
BM (30°-60°)	1139.1	18.2	B2/2500		
BH (60°-80°)	1724.0	27.5	B3/2500		G1/1800
BVH (80°-90°)	35.8	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-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	571.7	571.7	571.7	571.7	571.7	571.7	571.7	571.7	571.7	571.7
2.5°	568.1	569.7	569.1	567.8	567.8	566.8	567.8	568.4	569.4	570.0
5°	560.6	561.9	561.6	560.6	560.9	559.9	560.6	561.6	562.2	562.6
7.5°	554.1	555.4	554.7	553.1	553.1	552.1	552.5	553.4	554.4	554.7
10°	552.5	553.8	551.8	549.2	548.2	546.9	547.2	548.2	550.2	551.2
12.5°	553.1	554.1	552.1	548.2	547.2	545.9	545.9	546.9	549.5	550.8
15°	555.1	556.0	553.1	548.9	547.9	546.9	546.6	547.9	550.8	553.1
17.5°	558.6	559.6	555.1	549.2	547.9	548.2	547.9	548.9	553.4	557.7
20°	561.9	562.6	556.4	549.2	547.9	548.2	547.9	549.9	555.7	561.6
22.5°	562.9	563.5	557.7	551.5	550.5	550.8	550.5	552.5	558.0	563.9
25°	563.2	564.2	559.6	554.7	556.4	557.0	556.4	556.7	560.9	566.1
27.5°	568.1	569.4	565.2	560.9	561.9	561.6	562.6	563.5	566.8	572.0
30°	578.2	579.2	575.6	571.4	570.7	568.4	571.4	574.6	578.2	582.8
32.5°	594.8	596.8	592.2	587.6	584.7	583.4	585.7	591.2	596.1	601.0
35°	622.5	623.8	619.6	611.1	605.9	605.9	607.8	615.0	622.8	629.0
37.5°	661.6	663.2	655.7	645.6	637.8	637.8	640.4	647.9	659.6	668.4
40°	709.1	711.4	702.0	691.5	684.1	682.8	686.0	694.5	705.6	716.6
42.5°	766.5	769.1	756.7	747.6	741.7	741.7	743.3	751.2	761.3	774.9
45°	839.8	844.3	827.4	818.3	812.7	814.0	815.0	821.8	831.0	846.6
47.5°	927.1	931.6	913.7	904.3	903.3	909.5	905.6	910.4	915.3	933.2
50°	1026.1	1033.9	1021.5	1020.9	1022.8	1034.2	1025.1	1027.7	1022.2	1033.6
52.5°	1147.3	1158.7	1156.4	1160.3	1182.1	1205.6	1184.7	1175.6	1154.8	1158.3
55°	1294.2	1311.4	1314.7	1338.1	1387.7	1435.5	1391.2	1354.4	1310.1	1302.0
57.5°	1461.3	1475.0	1490.6	1538.5	1631.0	1716.0	1631.0	1549.6	1479.8	1463.2
60°	1641.1	1658.0	1673.0	1743.7	1881.2	2000.7	1878.6	1749.2	1657.0	1634.6
62.5°	1834.3	1856.1	1866.5	1945.0	2105.3	2247.9	2107.5	1950.9	1848.6	1824.5
65°	2019.6	2037.5	2049.2	2133.0	2286.1	2429.1	2296.5	2142.1	2036.9	2005.3
67.5°	2105.9	2115.7	2144.4	2239.1	2400.7	2563.9	2428.1	2249.2	2131.7	2076.3
70°	1979.5	1959.7	2028.7	2180.5	2414.4	2646.7	2445.7	2176.0	2032.0	1942.1
72.5°	1529.7	1495.5	1615.4	1875.0	2258.0	2593.9	2273.7	1889.6	1689.9	1507.5
75°	832.3	793.5	959.0	1287.3	1800.7	2248.3	1842.1	1324.1	1067.8	826.1
77.5°	234.9	220.2	353.8	622.8	1083.1	1578.5	1124.8	636.5	419.6	248.9
80°	72.0	69.7	94.5	187.6	459.9	756.0	442.0	189.9	120.2	75.9
82.5°	42.7	39.1	46.9	68.4	117.3	237.5	114.0	71.3	57.3	38.4
85°	24.4	22.8	27.7	33.2	39.4	50.5	32.9	33.9	30.6	20.5
87.5°	10.1	9.1	10.7	10.4	9.1	11.7	8.8	10.4	12.4	8.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
571.7
569.7
562.6
554.7
551.2
551.2
553.4
557.7
561.9
563.9
565.8
570.7
581.8
599.0
626.7
665.2
713.0
774.0
846.0
928.0
1026.7
1146.3
1289.3
1451.5
1615.0
1804.9
1989.6
2076.9
1963.6
1552.8
879.8
276.6
80.1
41.7
21.5
7.5
0.0

OF REPORT)