

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: P945797

Luminaire Tested: **GALN-SB1C-927-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945797  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB1C-927-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4778 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

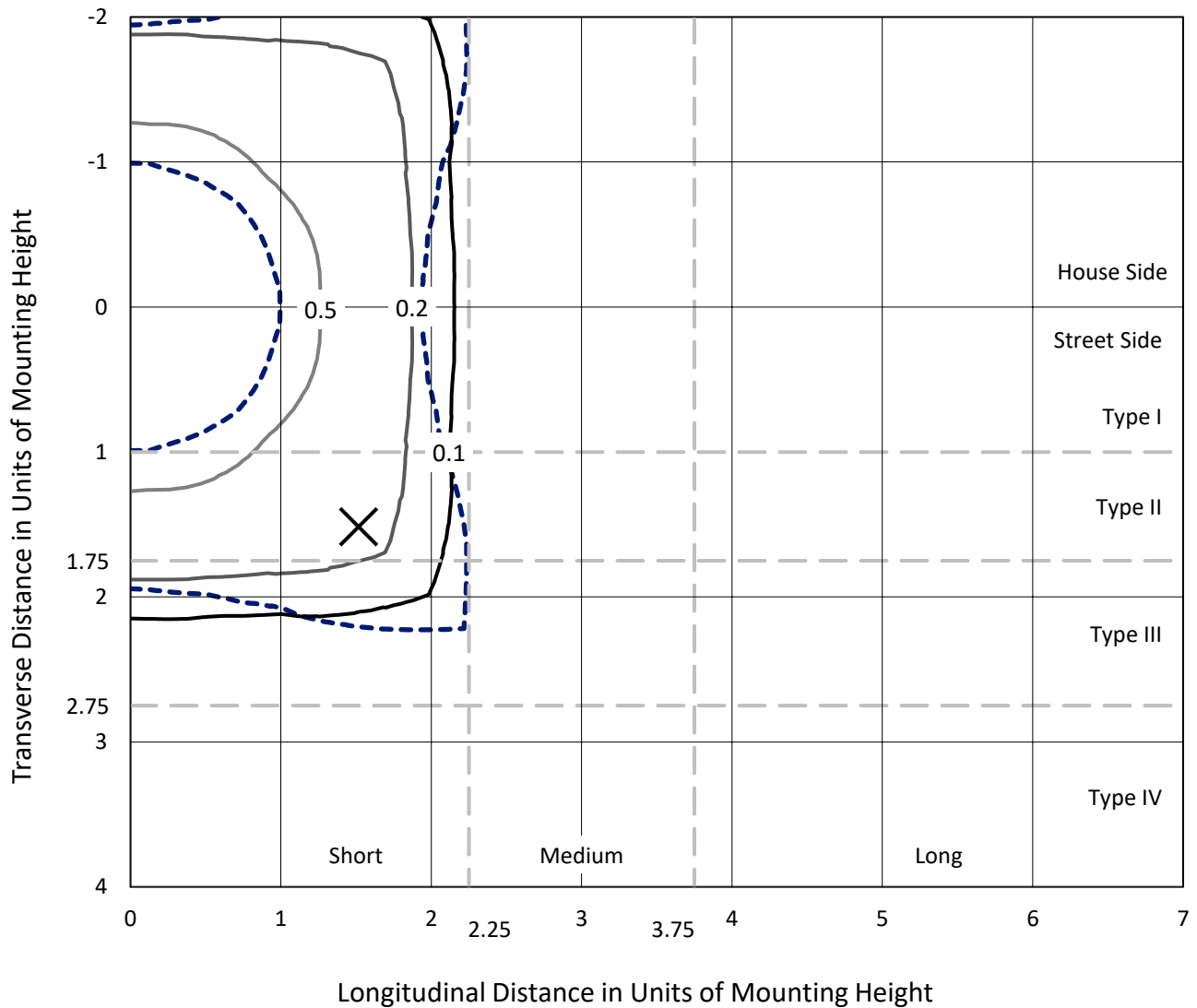
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

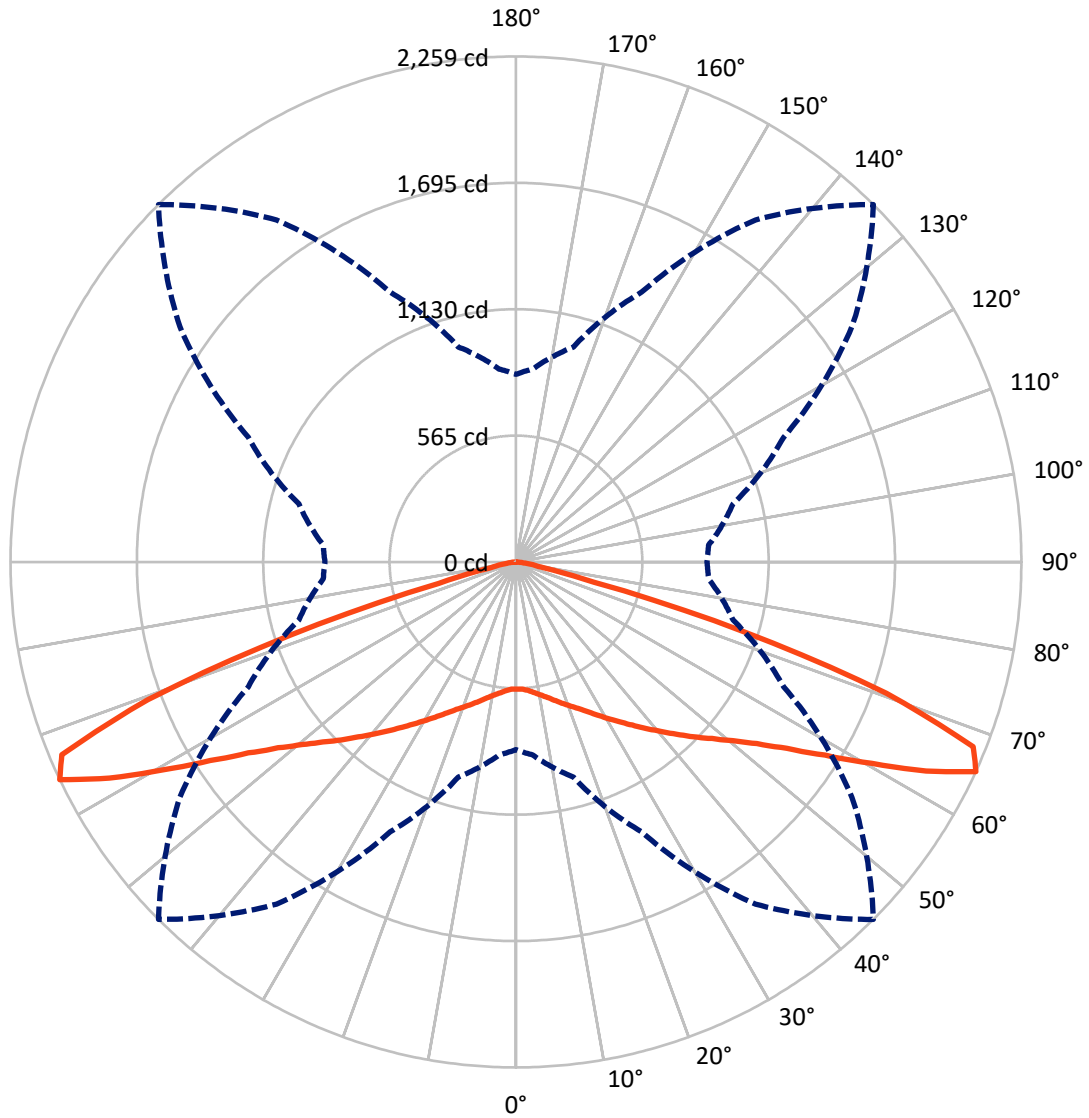
× Max cd  
 - - - 1/2 Max cd



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 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2389.0	0.0	2389.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2389.0	0.0	2389.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4778.0	0.0	4778.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.1	1.2
10°-20°	183.1	3.8
20°-30°	345.8	7.2
30°-40°	566.1	11.8
40°-50°	877.8	18.4
50°-60°	1296.7	27.1
60°-70°	1234.4	25.8
70°-80°	199.2	4.2
80°-90°	18.8	0.4
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°	4778.0	100.0
0°-180°	4778.0	100.0

**Coefficient of Utilization**



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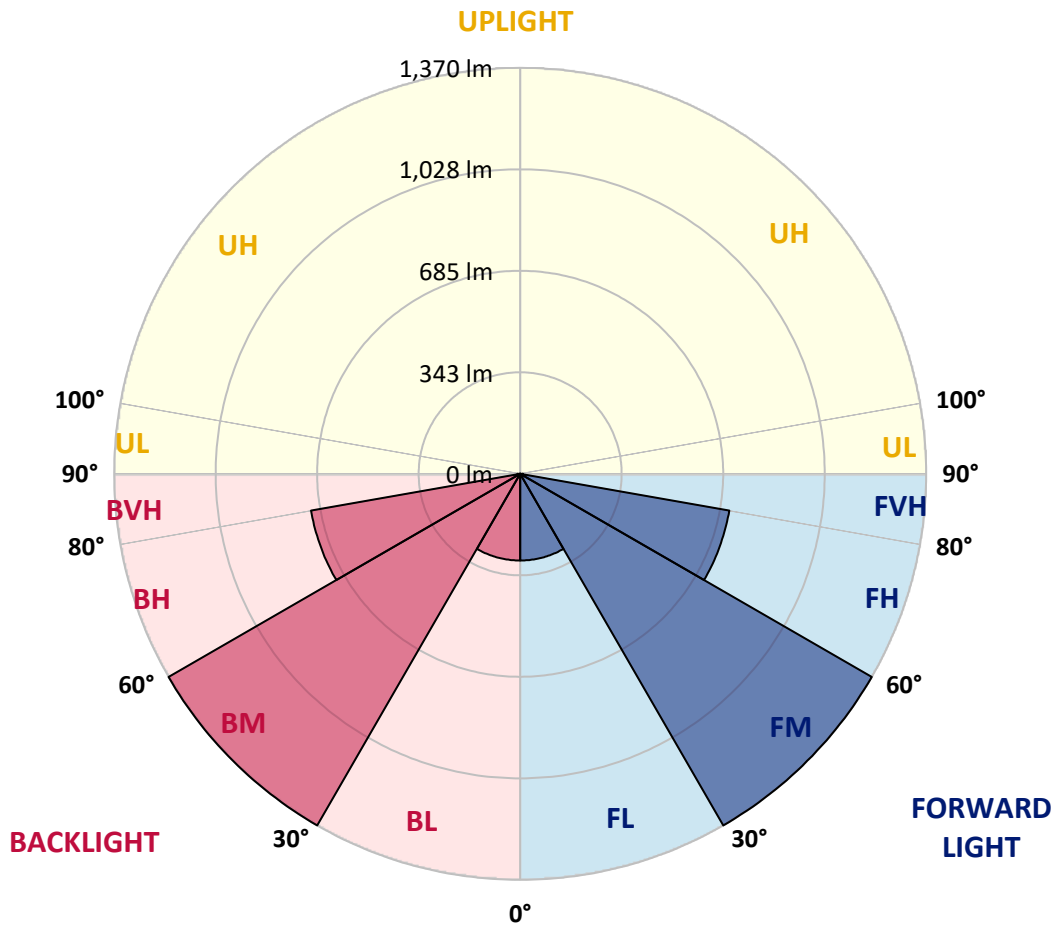
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.5	6.1			
FM (30°-60°)	1370.3	28.7			
FH (60°-80°)	716.8	15.0			G1/1800
FVH (80°-90°)	9.4	0.2			G0/10
BL (0°-30°)	292.5	6.1	B1/500		
BM (30°-60°)	1370.3	28.7	B2/2500		
BH (60°-80°)	716.8	15.0	B2/1000		G1/1800
BVH (80°-90°)	9.4	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	568.6	568.6	568.6	568.6	568.6	568.6	568.6	568.6	568.6	568.6
2.5°	572.5	570.5	572.0	570.8	569.8	568.9	569.3	571.0	571.7	572.0
5°	580.1	578.5	579.2	579.2	577.5	577.0	577.3	578.5	579.9	579.9
7.5°	592.6	590.9	592.6	591.6	590.2	589.7	589.5	590.4	592.6	592.6
10°	607.7	605.8	606.7	606.3	604.6	603.9	603.6	605.1	607.0	606.7
12.5°	624.2	622.1	623.3	621.8	621.4	620.7	620.7	620.4	621.6	620.7
15°	642.7	641.3	641.7	640.8	641.5	641.0	639.1	638.2	638.6	637.2
17.5°	664.5	661.2	662.8	662.4	662.4	663.3	660.2	659.0	660.0	658.5
20°	689.7	686.3	687.1	686.1	684.9	685.9	682.0	683.0	683.7	682.7
22.5°	717.3	712.9	712.7	713.2	710.5	710.8	708.2	710.5	712.0	709.3
25°	745.5	741.0	744.1	742.9	739.6	740.3	738.4	740.8	742.0	738.6
27.5°	775.5	772.4	775.3	776.0	771.9	774.8	771.9	774.1	775.3	770.2
30°	810.5	807.4	810.0	812.0	807.2	811.7	809.3	810.8	811.0	805.0
32.5°	848.6	843.8	850.5	851.5	846.2	851.7	848.6	850.5	851.7	843.6
35°	895.1	889.1	896.8	895.6	891.1	895.6	892.7	895.6	898.5	888.7
37.5°	945.2	939.0	947.2	945.0	940.7	943.8	942.1	944.0	948.6	938.0
40°	1000.4	992.7	1003.7	999.9	995.8	995.3	996.3	997.5	1003.5	991.7
42.5°	1059.3	1051.2	1067.7	1061.7	1056.0	1052.2	1055.3	1057.7	1063.4	1050.2
45°	1126.7	1117.4	1138.9	1131.7	1122.6	1114.7	1119.8	1123.4	1131.7	1115.9
47.5°	1201.0	1190.5	1213.5	1211.3	1196.5	1179.2	1190.7	1201.0	1207.3	1188.1
50°	1273.7	1265.5	1295.7	1298.4	1280.1	1255.9	1272.0	1287.6	1289.2	1264.1
52.5°	1341.7	1333.6	1377.5	1394.0	1377.7	1348.9	1366.0	1381.8	1369.1	1336.5
55°	1396.2	1389.5	1445.3	1488.0	1493.5	1469.8	1479.8	1479.3	1437.6	1387.5
57.5°	1409.3	1408.4	1478.9	1569.2	1626.8	1629.7	1609.8	1558.9	1469.0	1401.7
60°	1349.4	1355.4	1452.3	1611.7	1765.1	1828.9	1742.8	1597.8	1433.3	1339.8
62.5°	1170.1	1185.9	1302.7	1559.9	1876.8	2058.0	1849.5	1538.8	1286.6	1164.6
65°	838.6	866.1	995.1	1331.2	1866.7	2259.4	1834.1	1320.4	1004.7	864.0
67.5°	380.4	408.5	518.0	911.4	1622.7	2204.8	1618.9	921.0	543.9	409.9
70°	137.8	142.6	177.9	364.9	1037.1	1756.7	1081.4	367.5	189.1	152.0
72.5°	83.4	84.1	91.6	130.7	360.3	1066.5	375.7	135.0	93.5	82.9
75°	53.0	52.5	65.2	79.8	127.8	359.8	134.0	79.8	65.0	59.2
77.5°	38.1	39.3	46.7	59.7	80.5	122.0	79.1	57.1	46.7	38.4
80°	28.5	29.2	34.0	46.5	56.6	76.0	50.3	42.2	35.2	24.0
82.5°	20.6	20.6	22.3	33.8	34.5	41.0	27.3	29.7	23.3	17.0
85°	12.2	12.0	13.9	20.1	18.0	15.1	12.5	18.2	14.6	10.5
87.5°	4.3	4.6	4.3	5.8	4.8	4.1	3.8	5.0	4.1	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
568.6
572.0
579.9
591.9
606.3
621.1
637.4
659.7
684.9
712.0
742.4
774.1
808.6
849.1
894.7
944.5
995.6
1057.2
1124.1
1194.6
1267.2
1337.4
1389.2
1397.4
1328.8
1157.4
853.7
403.9
150.1
84.4
59.7
39.1
24.7
17.0
10.3
3.4
0.0

OF REPORT)