

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: P946153

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946153
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-SB1D-927-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6489 lumens
Efficiency: N/A
Efficacy: 81.5 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

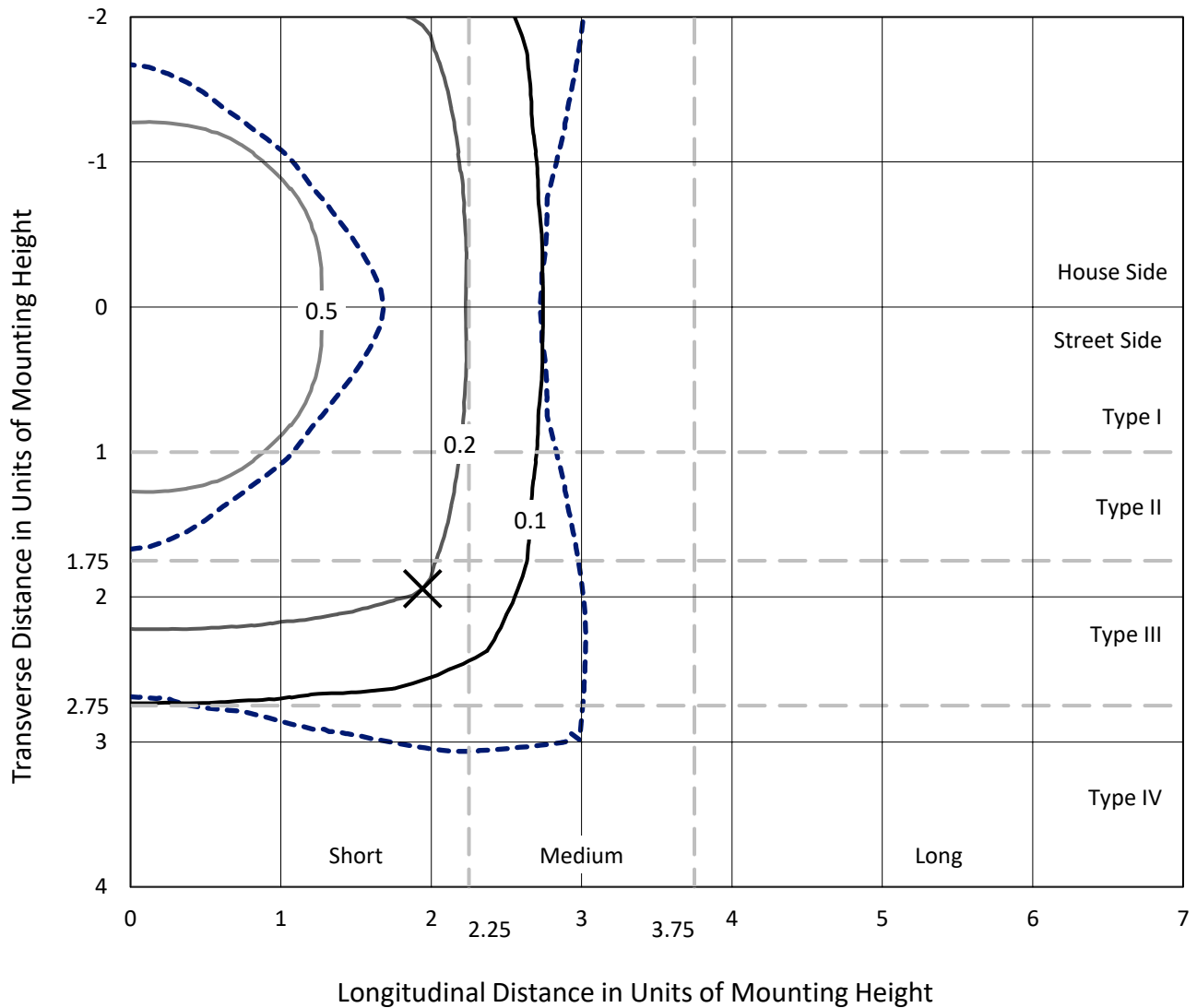
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

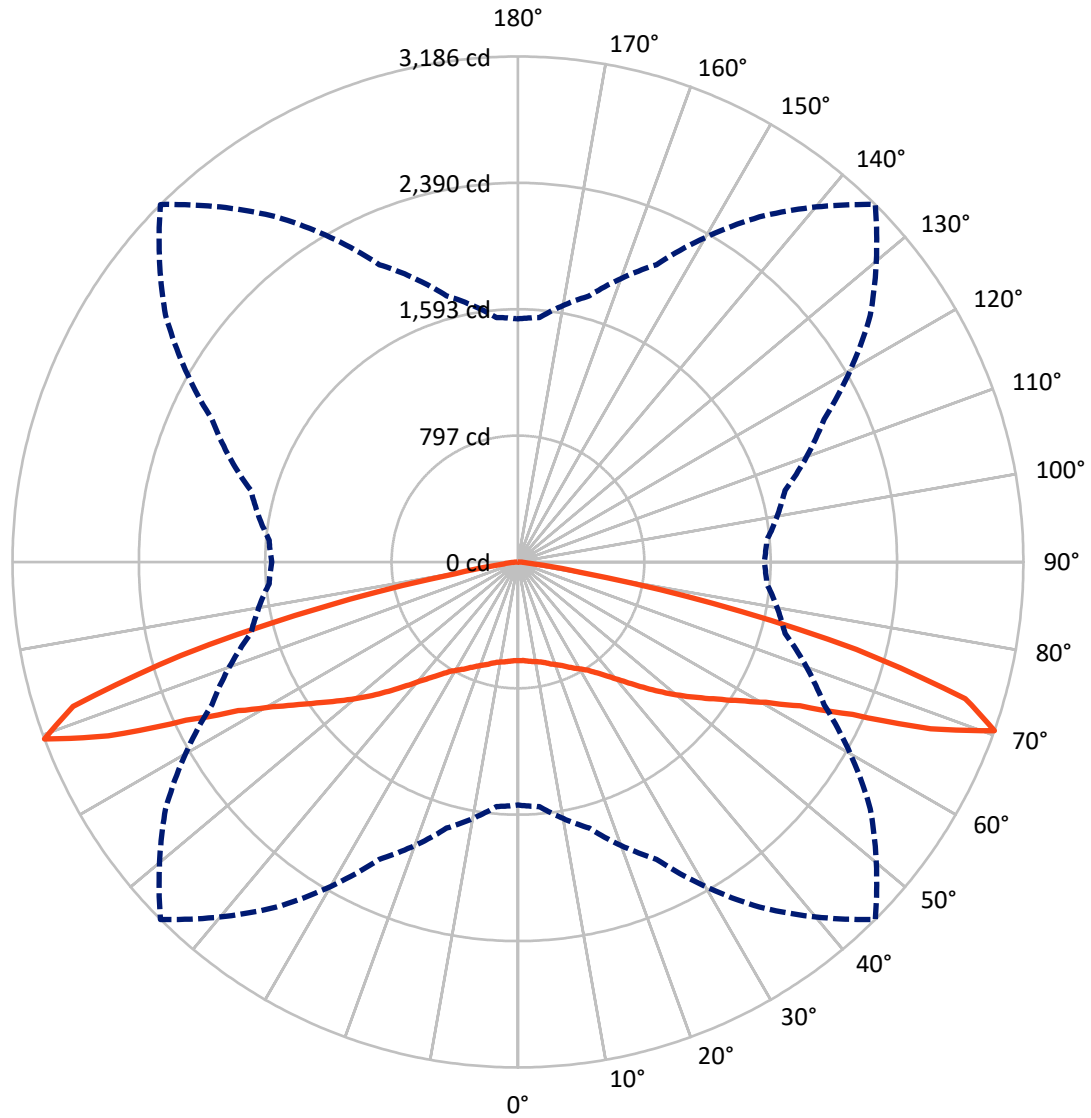
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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
House Side	Lumens	3244.5	0.0	3244.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3244.5	0.0	3244.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6489.0	0.0	6489.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.4	0.9
10°-20°	187.3	2.9
20°-30°	334.6	5.2
30°-40°	542.4	8.4
40°-50°	883.6	13.6
50°-60°	1347.1	20.8
60°-70°	2004.1	30.9
70°-80°	1092.3	16.8
80°-90°	37.2	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°	6489.0	100.0
0°-180°	6489.0	100.0



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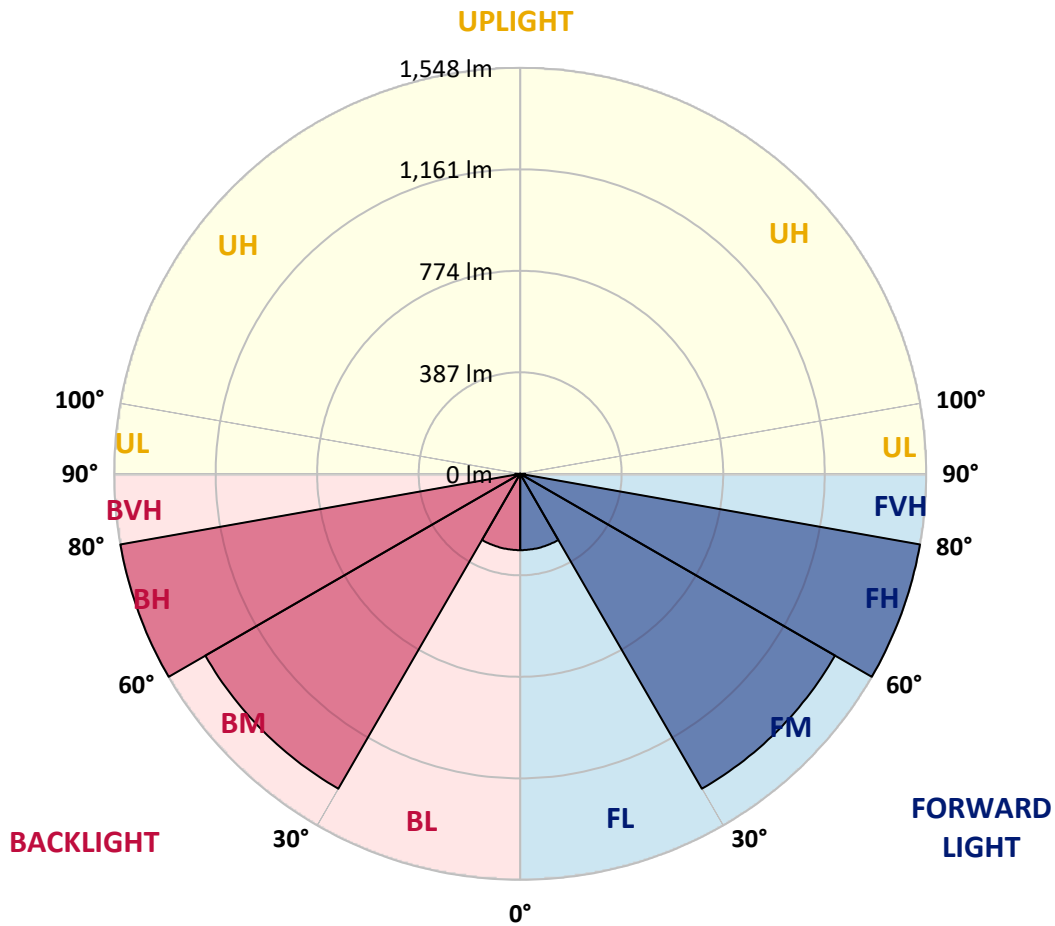
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	291.1	4.5			
FM (30°-60°)	1386.6	21.4			
FH (60°-80°)	1548.2	23.9			G1/1800
FVH (80°-90°)	18.6	0.3			G1/100
BL (0°-30°)	291.1	4.5	B1/500		
BM (30°-60°)	1386.6	21.4	B2/2500		
BH (60°-80°)	1548.2	23.9	B3/2500		G1/1800
BVH (80°-90°)	18.6	0.3			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°	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6	621.6
2.5°	624.5	625.2	623.9	623.2	622.6	621.6	621.9	623.5	624.8	624.5
5°	629.7	630.4	629.4	629.1	627.8	627.4	627.4	629.1	630.0	629.4
7.5°	635.6	636.6	634.9	634.6	634.0	633.3	633.0	634.6	635.6	635.6
10°	641.1	642.1	640.8	639.8	639.2	639.2	638.5	639.8	641.5	641.1
12.5°	647.0	647.6	646.3	645.7	645.7	646.7	645.7	646.3	647.6	647.0
15°	654.2	654.5	654.2	655.1	656.8	660.0	657.1	656.4	657.1	655.5
17.5°	663.9	664.6	665.9	668.2	670.4	676.3	671.1	669.5	669.5	666.2
20°	676.0	677.0	678.9	682.8	685.8	691.3	686.1	683.8	682.8	678.6
22.5°	688.7	690.3	693.2	698.5	703.7	708.9	703.7	699.8	696.8	691.3
25°	703.3	705.3	709.9	718.3	725.5	733.0	726.8	719.0	713.1	705.3
27.5°	724.2	726.5	732.0	742.4	751.6	758.1	752.2	742.1	734.0	724.5
30°	753.5	755.8	762.3	773.4	779.6	783.8	779.9	772.1	762.3	751.6
32.5°	791.3	794.2	801.4	811.8	813.1	813.8	812.5	808.6	801.4	788.4
35°	839.2	842.5	850.6	859.1	857.8	859.1	857.1	855.8	850.6	835.6
37.5°	897.8	901.7	910.2	916.7	913.5	911.8	912.2	912.5	909.6	892.9
40°	965.9	971.1	977.3	984.2	978.6	973.7	977.0	979.6	977.0	960.1
42.5°	1036.0	1043.5	1050.0	1059.7	1055.2	1049.0	1053.6	1056.5	1051.0	1032.7
45°	1113.8	1121.0	1129.5	1144.1	1140.9	1134.3	1140.9	1141.5	1132.1	1110.6
47.5°	1194.3	1201.8	1214.5	1234.0	1232.7	1225.6	1234.0	1229.5	1217.4	1191.7
50°	1270.5	1280.9	1300.5	1327.9	1330.5	1321.7	1333.1	1324.3	1304.1	1271.8
52.5°	1342.2	1353.3	1384.2	1421.4	1430.8	1419.4	1434.7	1419.4	1389.1	1347.7
55°	1417.4	1429.8	1466.6	1515.2	1534.1	1525.6	1539.9	1516.8	1473.8	1423.6
57.5°	1506.1	1513.6	1557.5	1615.2	1647.1	1649.1	1655.6	1616.5	1564.4	1507.4
60°	1602.2	1612.6	1660.5	1729.5	1780.0	1796.3	1789.5	1731.5	1670.9	1605.4
62.5°	1725.3	1736.7	1794.0	1876.8	1956.6	1997.0	1970.3	1886.2	1811.3	1732.8
65°	1827.3	1840.0	1943.6	2091.2	2236.4	2317.6	2250.5	2095.7	1960.8	1850.1
67.5°	1753.3	1769.0	1931.5	2202.6	2563.9	2805.9	2576.2	2235.8	1971.6	1821.4
70°	1532.4	1547.1	1736.7	2068.0	2656.0	3186.4	2711.4	2128.9	1742.9	1574.8
72.5°	1017.4	1064.6	1256.5	1654.0	2371.6	2948.6	2395.1	1620.4	1165.6	1015.1
75°	337.5	375.3	506.3	857.4	1588.5	2205.2	1512.2	758.7	401.0	288.6
77.5°	85.0	98.1	135.2	245.3	633.6	1255.5	570.4	200.4	109.1	76.2
80°	41.4	45.6	65.2	81.8	158.7	399.1	148.9	76.9	51.5	39.7
82.5°	22.8	23.1	36.8	46.3	59.0	103.3	61.2	45.0	29.6	24.1
85°	14.0	13.7	19.5	24.8	24.8	36.8	29.3	24.8	16.9	15.0
87.5°	5.5	5.5	7.2	7.8	6.8	9.4	7.5	8.1	6.5	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
621.6
624.8
629.7
635.6
641.1
646.7
655.5
666.2
678.6
691.0
705.0
724.2
751.6
788.7
835.6
892.9
960.1
1034.0
1112.8
1190.1
1271.2
1343.8
1416.8
1499.5
1595.0
1719.1
1831.8
1798.9
1552.3
982.2
273.0
68.1
36.5
24.1
15.6
6.5
0.0

OF REPORT)