

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: P941550

Luminaire Tested: **GALN-SB5A-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941550
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-SB5A-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13951 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

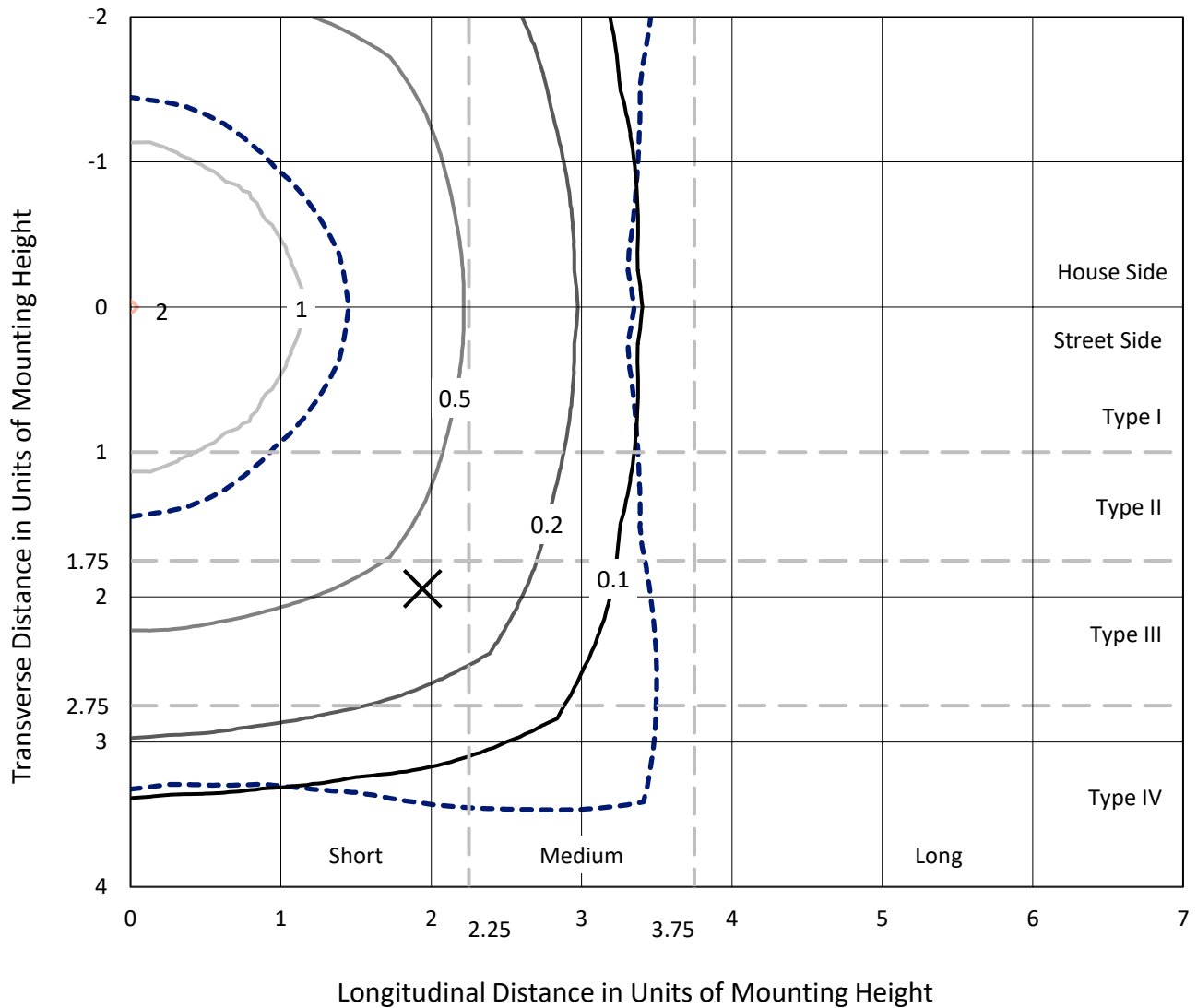
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

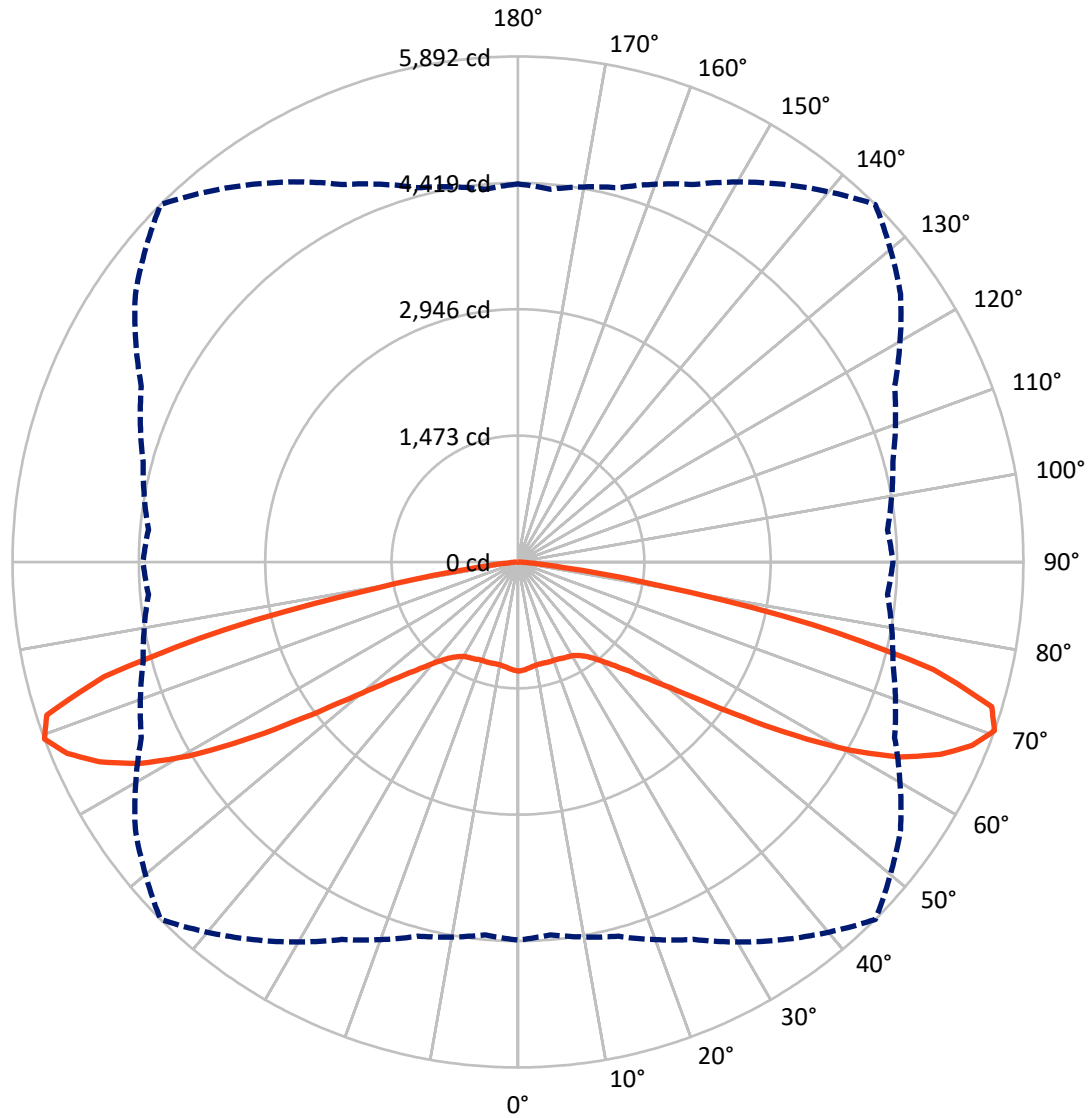
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	6975.5	0.0	6975.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6975.5	0.0	6975.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13951.0	0.0	13951.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	0.8
10°-20°	347.6	2.5
20°-30°	578.5	4.1
30°-40°	874.8	6.3
40°-50°	1453.7	10.4
50°-60°	2743.1	19.7
60°-70°	4631.9	33.2
70°-80°	3043.6	21.8
80°-90°	159.5	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°	13951.0	100.0
0°-180°	13951.0	100.0



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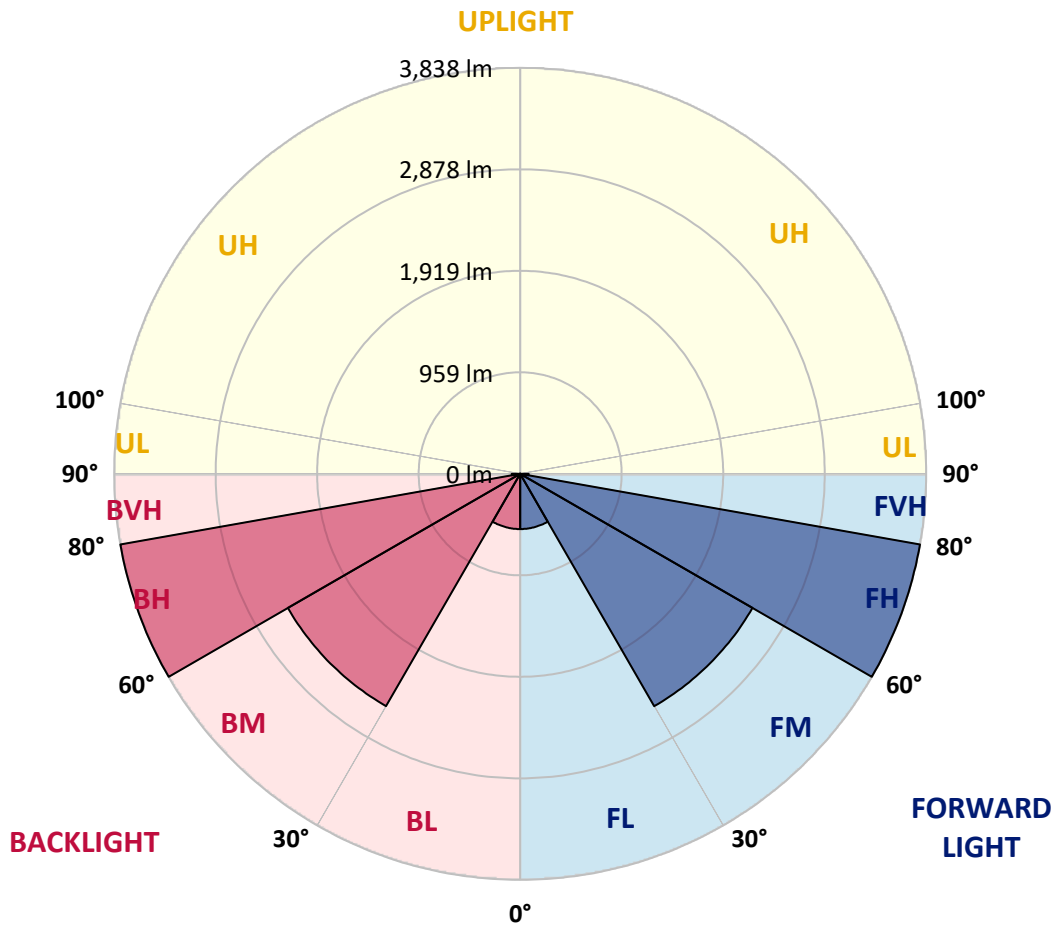
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	522.2	3.7			
FM (30°-60°)	2535.8	18.2			
FH (60°-80°)	3837.7	27.5			G2/5000
FVH (80°-90°)	79.7	0.6			G1/100
BL (0°-30°)	522.2	3.7	B2/1000		
BM (30°-60°)	2535.8	18.2	B3/5000		
BH (60°-80°)	3837.7	27.5	B4/5000		G2/5000
BVH (80°-90°)	79.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1272.6	1272.6	1272.6	1272.6	1272.6	1272.6	1272.6	1272.6	1272.6	1272.6
2.5°	1264.6	1268.3	1266.8	1263.9	1263.9	1261.7	1263.9	1265.4	1267.5	1269.0
5°	1248.0	1250.9	1250.1	1248.0	1248.7	1246.5	1248.0	1250.1	1251.6	1252.3
7.5°	1233.5	1236.4	1234.9	1231.3	1231.3	1229.1	1229.8	1232.0	1234.2	1234.9
10°	1229.8	1232.7	1228.4	1222.6	1220.4	1217.5	1218.2	1220.4	1224.8	1226.9
12.5°	1231.3	1233.5	1229.1	1220.4	1218.2	1215.3	1215.3	1217.5	1223.3	1226.2
15°	1235.6	1237.8	1231.3	1221.9	1219.7	1217.5	1216.8	1219.7	1226.2	1231.3
17.5°	1243.6	1245.8	1235.6	1222.6	1219.7	1220.4	1219.7	1221.9	1232.0	1241.4
20°	1250.9	1252.3	1238.5	1222.6	1219.7	1220.4	1219.7	1224.0	1237.1	1250.1
22.5°	1253.0	1254.5	1241.4	1227.7	1225.5	1226.2	1225.5	1229.8	1242.2	1255.2
25°	1253.8	1255.9	1245.8	1234.9	1238.5	1240.0	1238.5	1239.3	1248.7	1260.3
27.5°	1264.6	1267.5	1258.1	1248.7	1250.9	1250.1	1252.3	1254.5	1261.7	1273.3
30°	1287.1	1289.3	1281.3	1271.9	1270.4	1265.4	1271.9	1279.1	1287.1	1297.3
32.5°	1324.1	1328.4	1318.3	1308.1	1301.6	1298.7	1303.8	1316.1	1327.0	1337.9
35°	1385.7	1388.6	1379.2	1360.4	1348.8	1348.8	1353.1	1369.1	1386.5	1400.2
37.5°	1472.7	1476.4	1459.7	1437.2	1419.8	1419.8	1425.6	1442.3	1468.4	1488.0
40°	1578.6	1583.7	1562.7	1539.5	1522.8	1519.9	1527.1	1546.0	1570.6	1595.3
42.5°	1706.2	1712.0	1684.5	1664.2	1651.1	1651.1	1654.8	1672.2	1694.6	1725.1
45°	1869.4	1879.6	1841.8	1821.5	1809.2	1812.1	1814.3	1829.5	1849.8	1884.6
47.5°	2063.7	2073.9	2034.0	2013.0	2010.8	2024.6	2015.9	2026.8	2037.6	2077.5
50°	2284.2	2301.6	2274.0	2272.6	2276.9	2302.3	2282.0	2287.8	2275.5	2300.9
52.5°	2553.9	2579.3	2574.2	2582.9	2631.5	2683.7	2637.3	2617.0	2570.6	2578.6
55°	2881.0	2919.4	2926.6	2978.9	3089.1	3195.7	3097.1	3015.1	2916.5	2898.4
57.5°	3253.0	3283.4	3318.2	3424.8	3630.8	3820.0	3630.8	3449.5	3294.3	3257.3
60°	3653.2	3690.9	3724.3	3881.6	4187.7	4453.8	4181.9	3894.0	3688.8	3638.7
62.5°	4083.2	4131.8	4155.0	4329.8	4686.5	5004.2	4691.6	4342.8	4115.1	4061.5
65°	4495.8	4535.7	4561.8	4748.2	5089.0	5407.3	5112.2	4768.5	4534.3	4463.9
67.5°	4688.0	4709.8	4773.6	4984.6	5344.2	5707.5	5405.2	5007.1	4745.3	4622.0
70°	4406.6	4362.4	4516.1	4854.1	5374.7	5891.7	5444.3	4843.9	4523.4	4323.3
72.5°	3405.2	3329.1	3595.9	4173.9	5026.6	5774.3	5061.4	4206.5	3762.0	3355.9
75°	1852.7	1766.4	2134.8	2865.7	4008.5	5004.9	4100.6	2947.7	2377.0	1838.9
77.5°	522.8	490.2	787.5	1386.5	2411.1	3514.0	2503.9	1416.9	934.0	554.0
80°	160.3	155.2	210.3	417.7	1023.9	1683.0	984.0	422.8	267.6	169.0
82.5°	95.0	87.0	104.4	152.3	261.0	528.6	253.8	158.8	127.6	85.6
85°	54.4	50.8	61.6	74.0	87.7	112.4	73.2	75.4	68.2	45.7
87.5°	22.5	20.3	23.9	23.2	20.3	26.1	19.6	23.2	27.6	18.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1272.6
1268.3
1252.3
1234.9
1226.9
1226.9
1232.0
1241.4
1250.9
1255.2
1259.6
1270.4
1295.1
1333.5
1395.2
1480.7
1587.3
1722.9
1883.2
2065.9
2285.6
2551.8
2870.1
3231.2
3595.2
4018.0
4429.1
4623.5
4371.1
3456.7
1958.6
615.6
178.4
92.8
47.9
16.7
0.0

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