

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: P940530

Luminaire Tested: **GALN-SB3C-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940530
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-SB3C-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13835 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

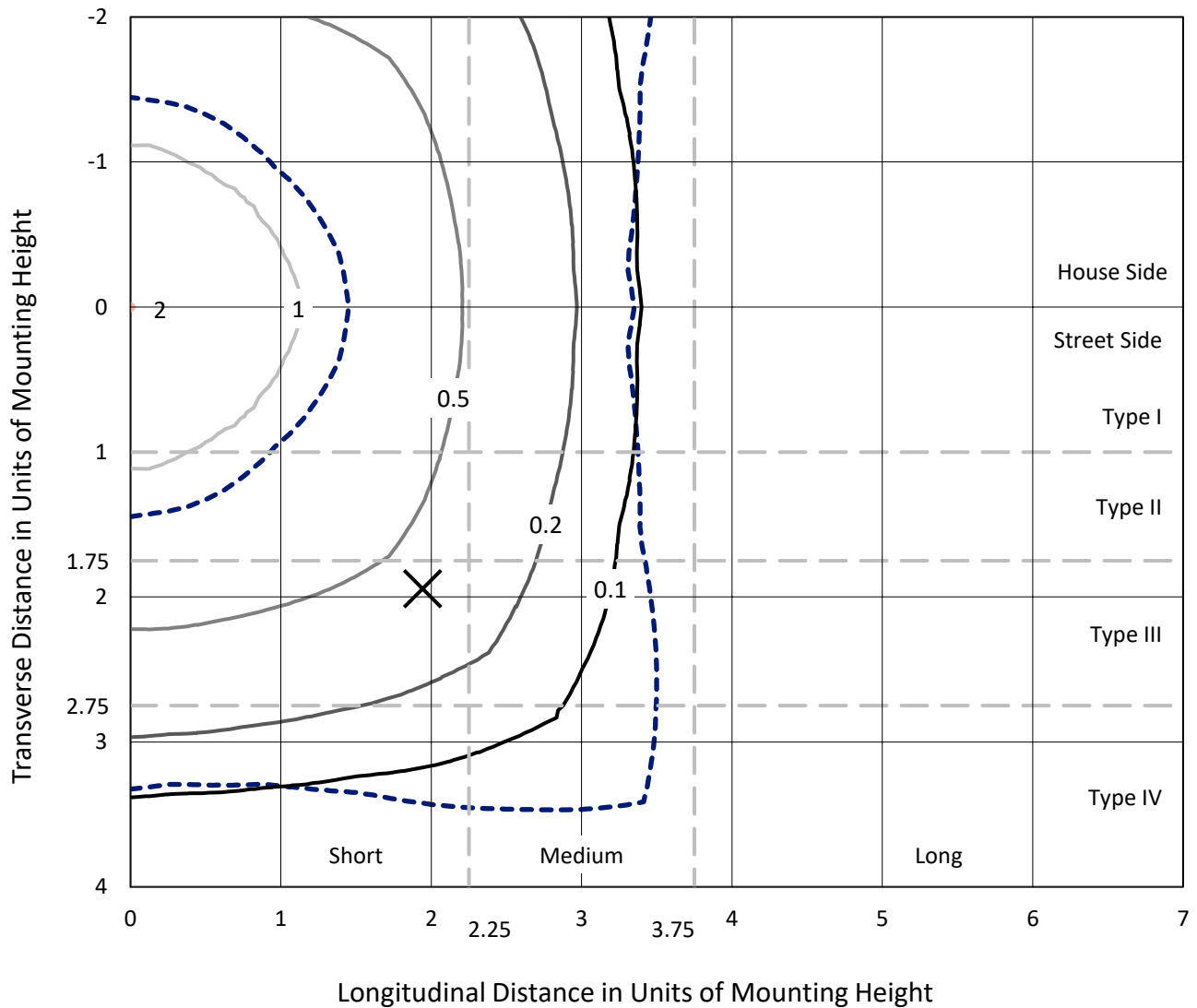
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

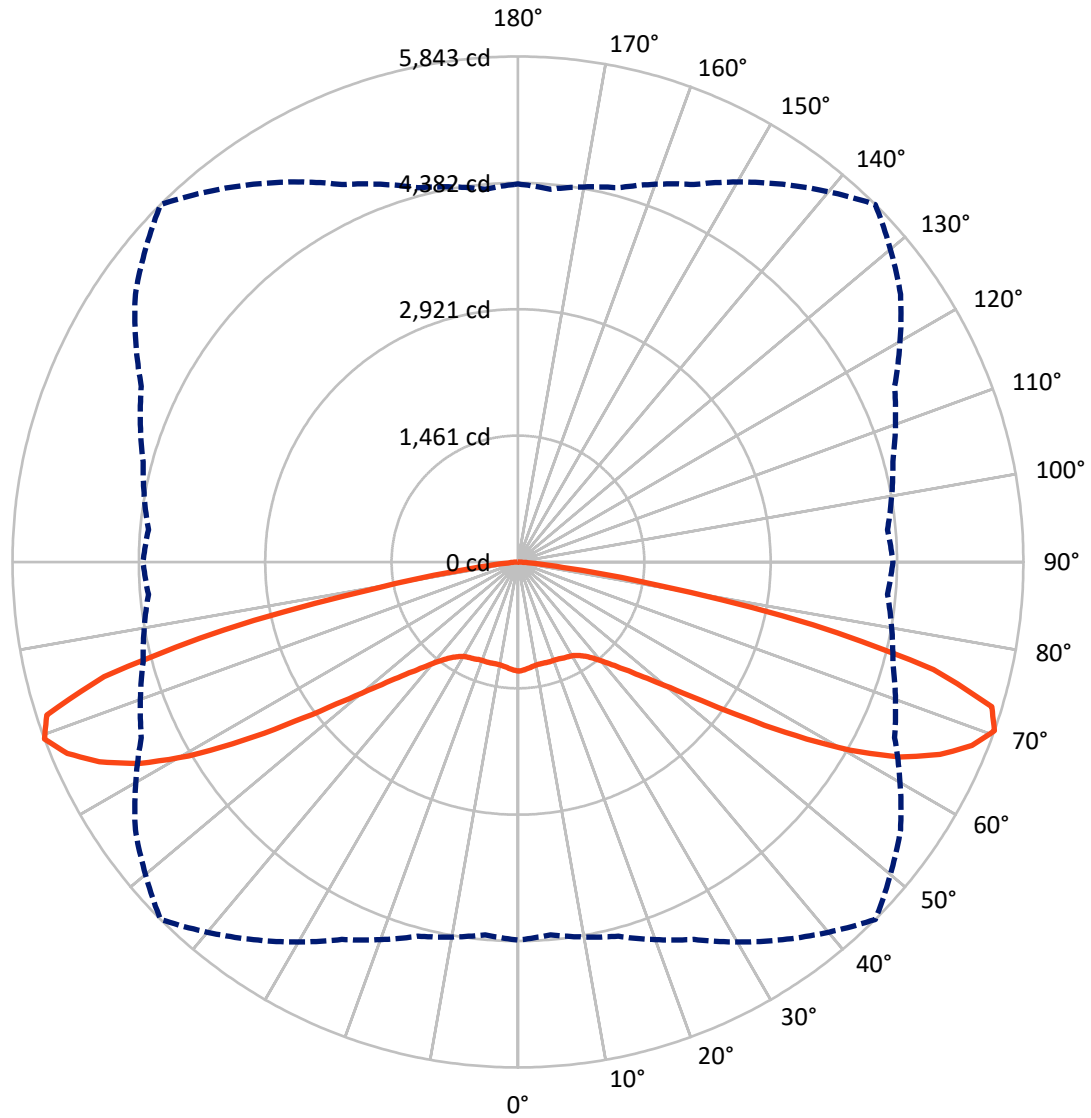
✕ Max cd
 - - - 1/2 Max cd



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	6917.5	0.0	6917.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6917.5	0.0	6917.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13835.0	0.0	13835.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.4	0.8
10°-20°	344.7	2.5
20°-30°	573.6	4.1
30°-40°	867.5	6.3
40°-50°	1441.6	10.4
50°-60°	2720.3	19.7
60°-70°	4593.3	33.2
70°-80°	3018.3	21.8
80°-90°	158.1	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°	13835.0	100.0
0°-180°	13835.0	100.0

Coefficient of Utilization



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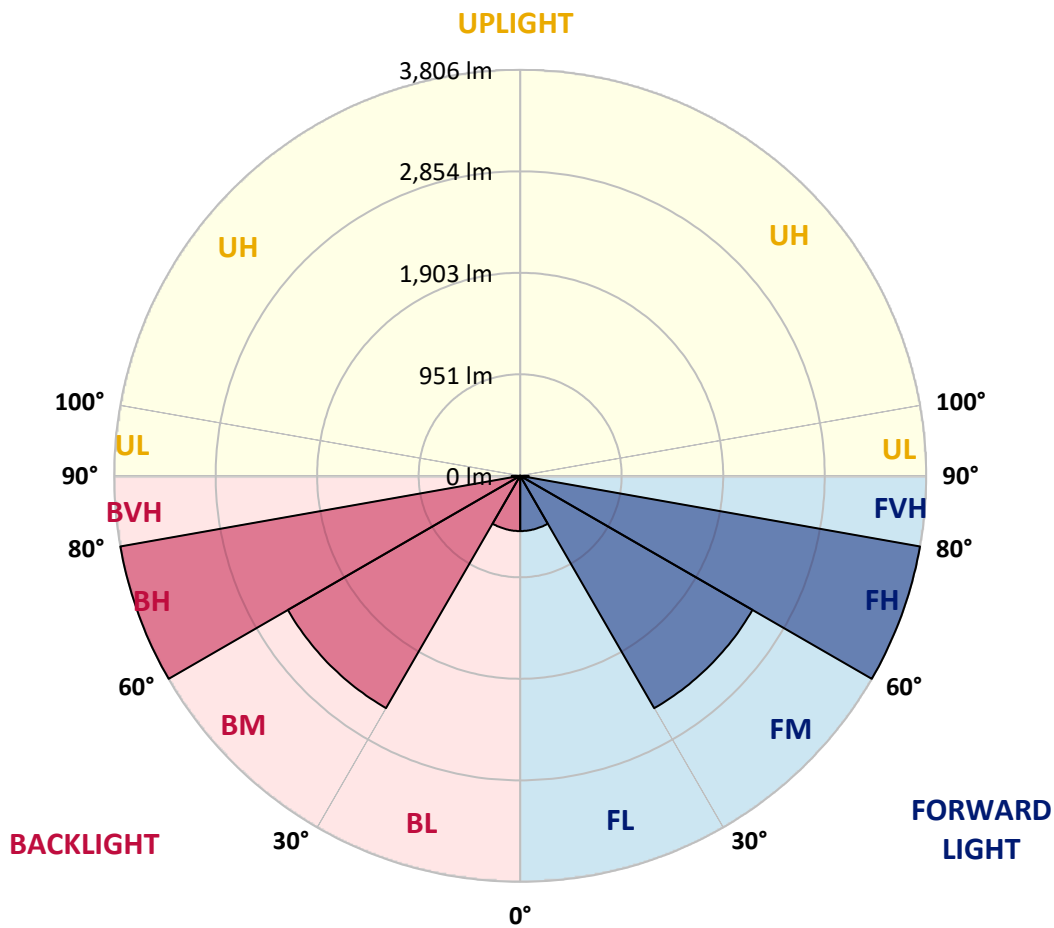
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	517.9	3.7			
FM (30°-60°)	2514.7	18.2			
FH (60°-80°)	3805.8	27.5			G2/5000
FVH (80°-90°)	79.1	0.6			G1/100
BL (0°-30°)	517.9	3.7	B2/1000		
BM (30°-60°)	2514.7	18.2	B3/5000		
BH (60°-80°)	3805.8	27.5	B4/5000		G2/5000
BVH (80°-90°)	79.1	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°	1262.0	1262.0	1262.0	1262.0	1262.0	1262.0	1262.0	1262.0	1262.0	1262.0
2.5°	1254.1	1257.7	1256.3	1253.4	1253.4	1251.2	1253.4	1254.8	1257.0	1258.4
5°	1237.6	1240.5	1239.7	1237.6	1238.3	1236.1	1237.6	1239.7	1241.2	1241.9
7.5°	1223.2	1226.1	1224.6	1221.0	1221.0	1218.9	1219.6	1221.8	1223.9	1224.6
10°	1219.6	1222.5	1218.2	1212.4	1210.3	1207.4	1208.1	1210.3	1214.6	1216.7
12.5°	1221.0	1223.2	1218.9	1210.3	1208.1	1205.2	1205.2	1207.4	1213.1	1216.0
15°	1225.4	1227.5	1221.0	1211.7	1209.5	1207.4	1206.7	1209.5	1216.0	1221.0
17.5°	1233.3	1235.4	1225.4	1212.4	1209.5	1210.3	1209.5	1211.7	1221.8	1231.1
20°	1240.5	1241.9	1228.2	1212.4	1209.5	1210.3	1209.5	1213.9	1226.8	1239.7
22.5°	1242.6	1244.1	1231.1	1217.4	1215.3	1216.0	1215.3	1219.6	1231.8	1244.8
25°	1243.3	1245.5	1235.4	1224.6	1228.2	1229.7	1228.2	1229.0	1238.3	1249.8
27.5°	1254.1	1257.0	1247.6	1238.3	1240.5	1239.7	1241.9	1244.1	1251.2	1262.7
30°	1276.4	1278.6	1270.7	1261.3	1259.9	1254.8	1261.3	1268.5	1276.4	1286.5
32.5°	1313.1	1317.4	1307.3	1297.3	1290.8	1287.9	1293.0	1305.2	1316.0	1326.8
35°	1374.2	1377.1	1367.7	1349.0	1337.5	1337.5	1341.9	1357.7	1374.9	1388.6
37.5°	1460.5	1464.1	1447.6	1425.3	1408.0	1408.0	1413.8	1430.3	1456.2	1475.6
40°	1565.5	1570.5	1549.7	1526.7	1510.1	1507.2	1514.4	1533.1	1557.6	1582.0
42.5°	1692.1	1697.8	1670.5	1650.3	1637.4	1637.4	1641.0	1658.3	1680.6	1710.8
45°	1853.9	1863.9	1826.5	1806.4	1794.2	1797.0	1799.2	1814.3	1834.4	1869.0
47.5°	2046.6	2056.6	2017.1	1996.2	1994.1	2007.7	1999.1	2009.9	2020.7	2060.2
50°	2265.2	2282.4	2255.1	2253.7	2258.0	2283.2	2263.0	2268.8	2256.6	2281.7
52.5°	2532.7	2557.9	2552.8	2561.5	2609.6	2661.4	2615.4	2595.3	2549.2	2557.1
55°	2857.0	2895.1	2902.3	2954.1	3063.4	3169.1	3071.3	2990.0	2892.2	2874.3
57.5°	3225.9	3256.1	3290.6	3396.3	3600.6	3788.2	3600.6	3420.8	3266.9	3230.2
60°	3622.9	3660.2	3693.3	3849.4	4152.8	4416.7	4147.1	3861.6	3658.1	3608.5
62.5°	4049.3	4097.5	4120.5	4293.8	4647.6	4962.5	4652.6	4306.7	4080.9	4027.7
65°	4458.5	4498.0	4523.9	4708.7	5046.7	5362.4	5069.7	4728.8	4496.6	4426.8
67.5°	4649.0	4670.6	4733.9	4943.1	5299.8	5660.1	5360.2	4965.4	4705.8	4583.6
70°	4370.0	4326.1	4478.6	4813.7	5330.0	5842.7	5399.0	4803.6	4485.8	4287.3
72.5°	3376.9	3301.4	3566.0	4139.2	4984.8	5726.2	5019.4	4171.5	3730.7	3328.0
75°	1837.3	1751.7	2117.0	2841.9	3975.2	4963.3	4066.5	2923.2	2357.2	1823.7
77.5°	518.5	486.1	780.9	1374.9	2391.0	3484.8	2483.1	1405.1	926.2	549.4
80°	158.9	153.9	208.5	414.2	1015.4	1669.0	975.8	419.2	265.4	167.6
82.5°	94.2	86.3	103.6	151.0	258.9	524.2	251.7	157.5	126.6	84.9
85°	53.9	50.3	61.1	73.3	87.0	111.5	72.6	74.8	67.6	45.3
87.5°	22.3	20.1	23.7	23.0	20.1	25.9	19.4	23.0	27.3	18.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1262.0
1257.7
1241.9
1224.6
1216.7
1216.7
1221.8
1231.1
1240.5
1244.8
1249.1
1259.9
1284.3
1322.4
1383.6
1468.4
1574.1
1708.6
1867.5
2048.7
2266.6
2530.5
2846.2
3204.3
3565.3
3984.6
4392.3
4585.0
4334.8
3428.0
1942.3
610.5
176.9
92.0
47.5
16.5
0.0

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