

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: P946510

Luminaire Tested: **GALN-SB2A-927-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946510
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-SB2A-927-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5719 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

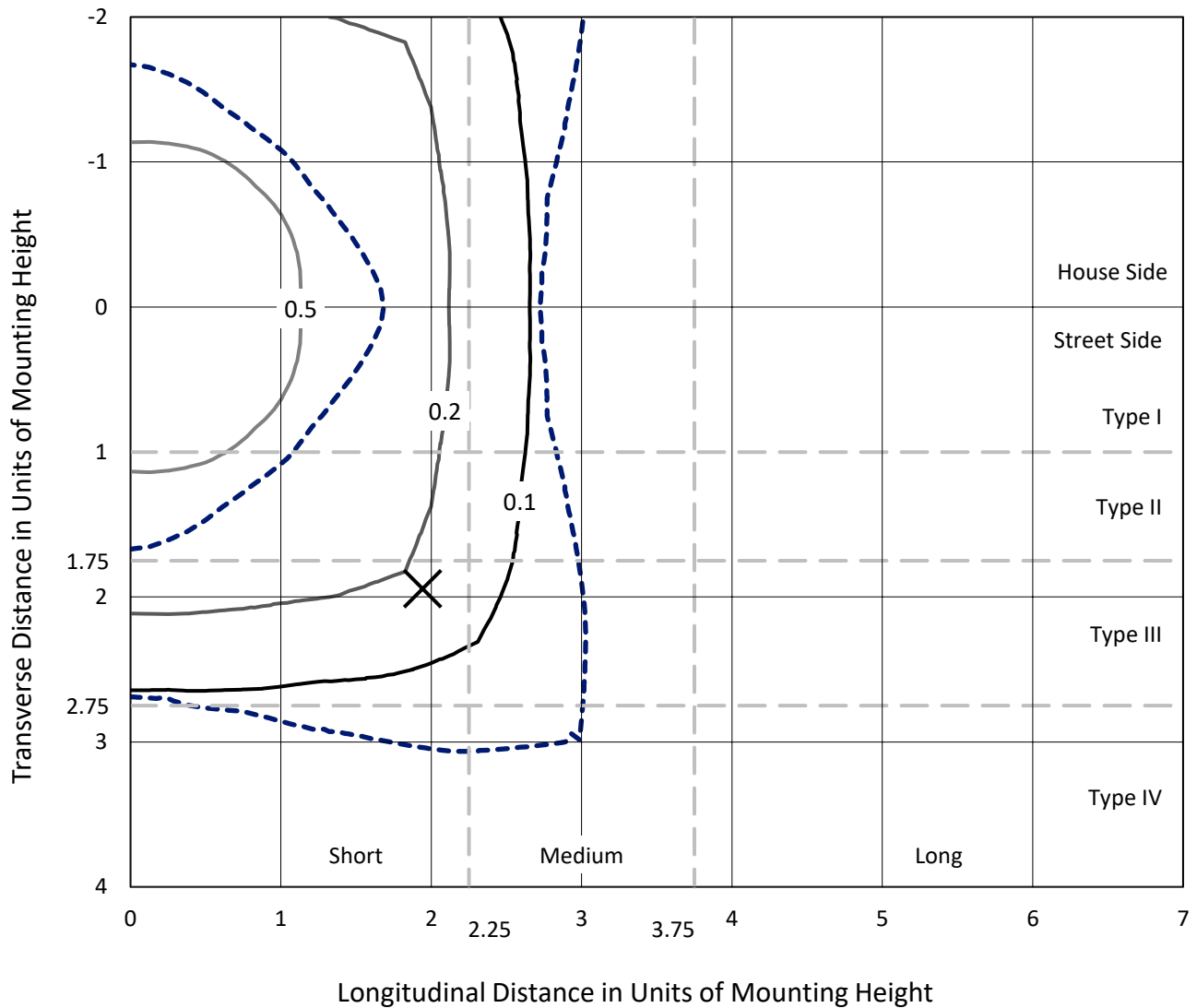
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

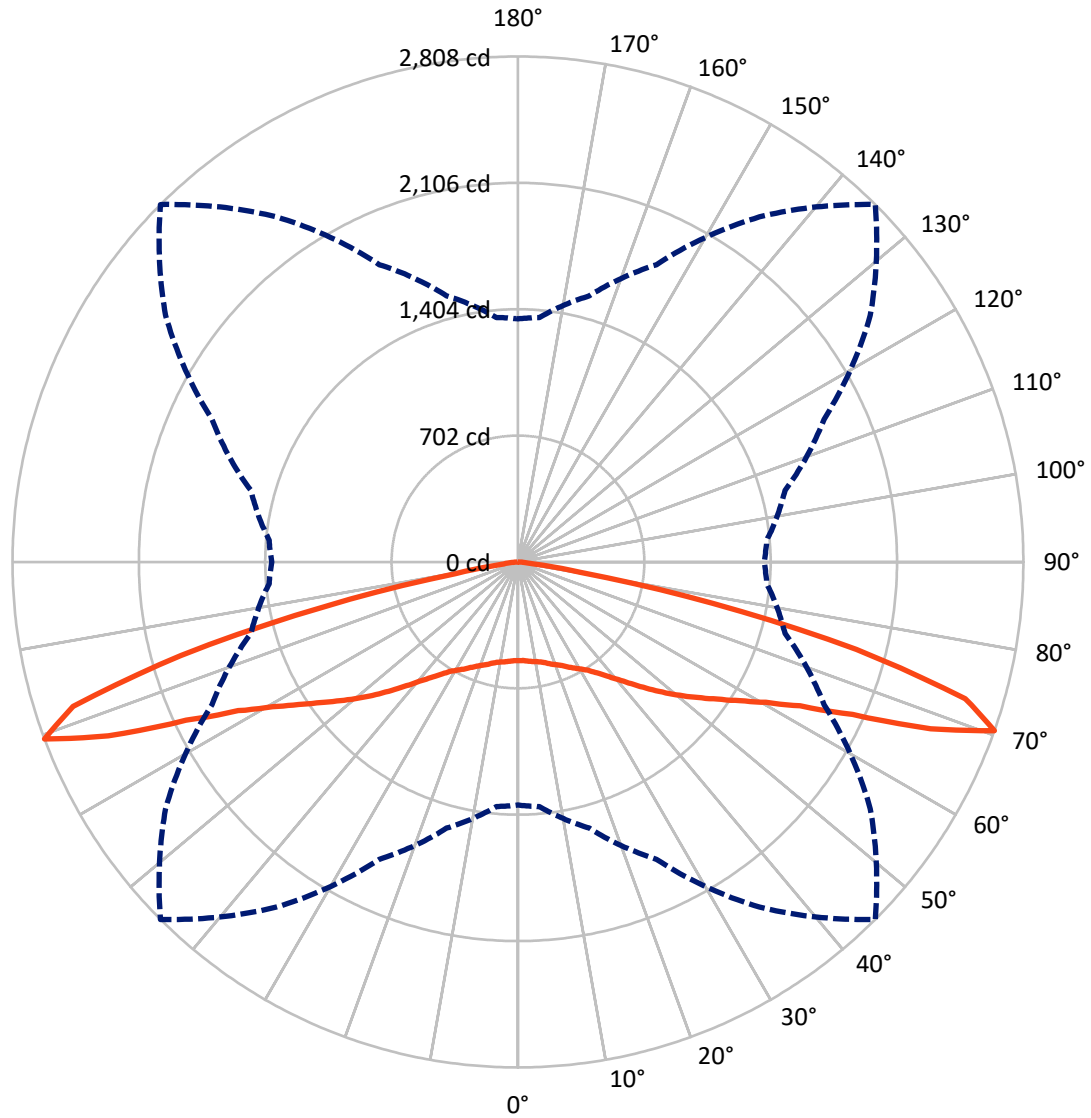
× Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	2859.5	0.0	2859.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2859.5	0.0	2859.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5719.0	0.0	5719.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	0.9
10°-20°	165.0	2.9
20°-30°	294.9	5.2
30°-40°	478.1	8.4
40°-50°	778.7	13.6
50°-60°	1187.3	20.8
60°-70°	1766.3	30.9
70°-80°	962.7	16.8
80°-90°	32.8	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°	5719.0	100.0
0°-180°	5719.0	100.0

Coefficient of Utilization



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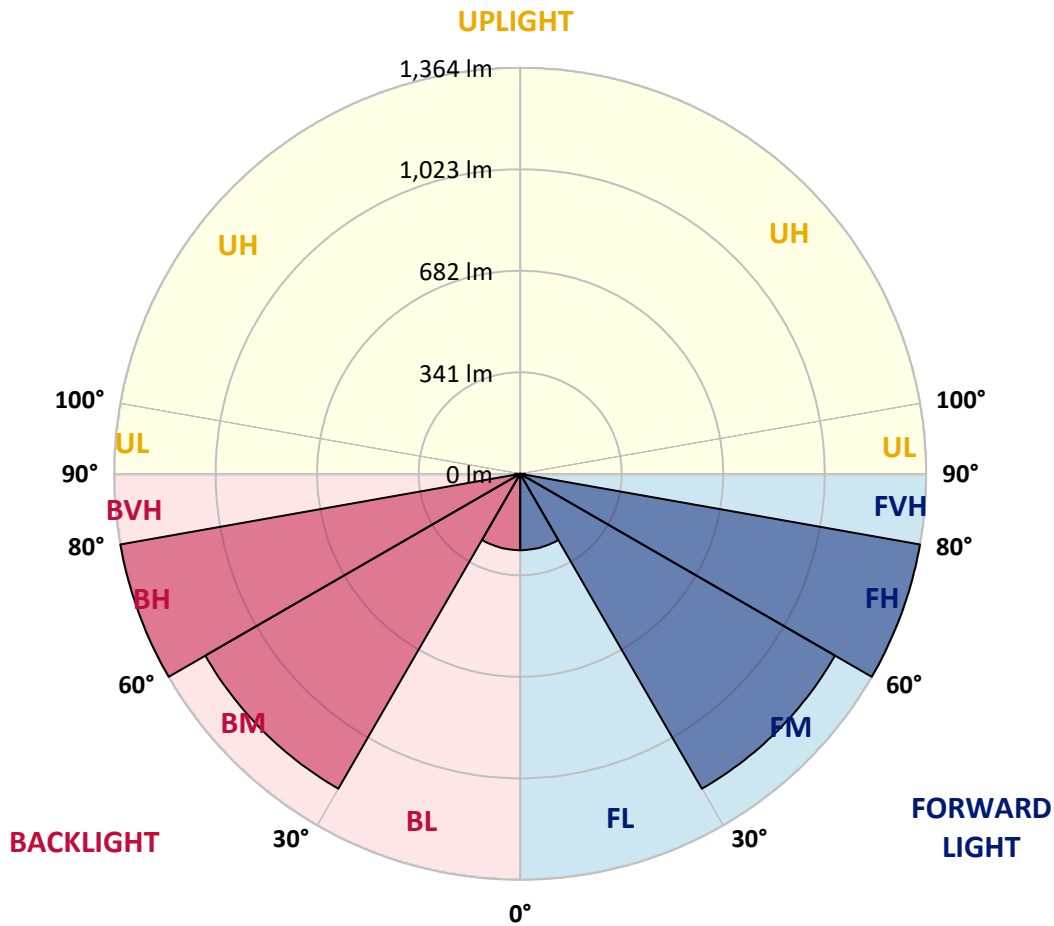
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.6	4.5			
FM (30°-60°)	1222.0	21.4			
FH (60°-80°)	1364.5	23.9			G1/1800
FVH (80°-90°)	16.4	0.3			G1/100
BL (0°-30°)	256.6	4.5	B1/500		
BM (30°-60°)	1222.0	21.4	B2/2500		
BH (60°-80°)	1364.5	23.9	B3/2500		G1/1800
BVH (80°-90°)	16.4	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°	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8	547.8
2.5°	550.4	551.0	549.8	549.3	548.7	547.8	548.1	549.5	550.7	550.4
5°	555.0	555.6	554.7	554.4	553.3	553.0	553.0	554.4	555.3	554.7
7.5°	560.2	561.0	559.6	559.3	558.7	558.2	557.9	559.3	560.2	560.2
10°	565.0	565.9	564.8	563.9	563.3	563.3	562.8	563.9	565.3	565.0
12.5°	570.2	570.8	569.6	569.1	569.1	569.9	569.1	569.6	570.8	570.2
15°	576.5	576.8	576.5	577.4	578.8	581.7	579.1	578.5	579.1	577.7
17.5°	585.1	585.7	586.9	588.9	590.9	596.1	591.5	590.0	590.0	587.2
20°	595.8	596.6	598.4	601.8	604.4	609.3	604.7	602.7	601.8	598.1
22.5°	607.0	608.4	611.0	615.6	620.2	624.8	620.2	616.7	614.1	609.3
25°	619.9	621.6	625.6	633.1	639.4	646.0	640.6	633.7	628.5	621.6
27.5°	638.3	640.3	645.2	654.3	662.4	668.1	663.0	654.1	646.9	638.6
30°	664.1	666.1	671.9	681.6	687.1	690.8	687.4	680.5	671.9	662.4
32.5°	697.4	700.0	706.3	715.5	716.6	717.2	716.1	712.6	706.3	694.8
35°	739.6	742.5	749.7	757.1	756.0	757.1	755.4	754.3	749.7	736.5
37.5°	791.3	794.7	802.2	807.9	805.1	803.6	803.9	804.2	801.6	787.0
40°	851.3	855.9	861.4	867.4	862.5	858.2	861.1	863.4	861.1	846.1
42.5°	913.0	919.6	925.4	934.0	930.0	924.5	928.5	931.1	926.2	910.2
45°	981.7	988.0	995.4	1008.4	1005.5	999.7	1005.5	1006.1	997.7	978.8
47.5°	1052.6	1059.2	1070.4	1087.6	1086.5	1080.1	1087.6	1083.6	1073.0	1050.3
50°	1119.8	1128.9	1146.2	1170.3	1172.6	1164.8	1174.9	1167.1	1149.3	1120.9
52.5°	1182.9	1192.7	1220.0	1252.7	1261.0	1251.0	1264.5	1251.0	1224.3	1187.8
55°	1249.3	1260.2	1292.6	1335.4	1352.0	1344.6	1357.2	1336.8	1298.9	1254.7
57.5°	1327.3	1333.9	1372.7	1423.5	1451.7	1453.4	1459.1	1424.7	1378.7	1328.5
60°	1412.0	1421.2	1463.4	1524.3	1568.8	1583.2	1577.1	1526.0	1472.6	1414.9
62.5°	1520.6	1530.6	1581.2	1654.1	1724.4	1760.0	1736.5	1662.4	1596.4	1527.2
65°	1610.4	1621.6	1712.9	1843.0	1971.1	2042.6	1983.4	1847.0	1728.2	1630.5
67.5°	1545.3	1559.1	1702.3	1941.2	2259.6	2472.9	2270.5	1970.5	1737.6	1605.3
70°	1350.6	1363.5	1530.6	1822.6	2340.9	2808.3	2389.7	1876.3	1536.1	1387.9
72.5°	896.7	938.3	1107.4	1457.7	2090.2	2598.7	2110.9	1428.1	1027.3	894.7
75°	297.5	330.8	446.2	755.7	1400.0	1943.5	1332.8	668.7	353.4	254.4
77.5°	74.9	86.4	119.2	216.2	558.4	1106.6	502.7	176.6	96.2	67.2
80°	36.5	40.2	57.4	72.1	139.8	351.7	131.2	67.8	45.4	35.0
82.5°	20.1	20.4	32.4	40.8	52.0	91.0	54.0	39.6	26.1	21.2
85°	12.3	12.1	17.2	21.8	21.8	32.4	25.8	21.8	14.9	13.2
87.5°	4.9	4.9	6.3	6.9	6.0	8.3	6.6	7.2	5.7	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
547.8
550.7
555.0
560.2
565.0
569.9
577.7
587.2
598.1
609.0
621.3
638.3
662.4
695.1
736.5
787.0
846.1
911.3
980.8
1048.8
1120.3
1184.4
1248.7
1321.6
1405.7
1515.1
1614.5
1585.5
1368.1
865.7
240.6
60.0
32.2
21.2
13.8
5.7
0.0

OF REPORT)