

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: P939510

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939510
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-SB2A-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 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: 5523 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

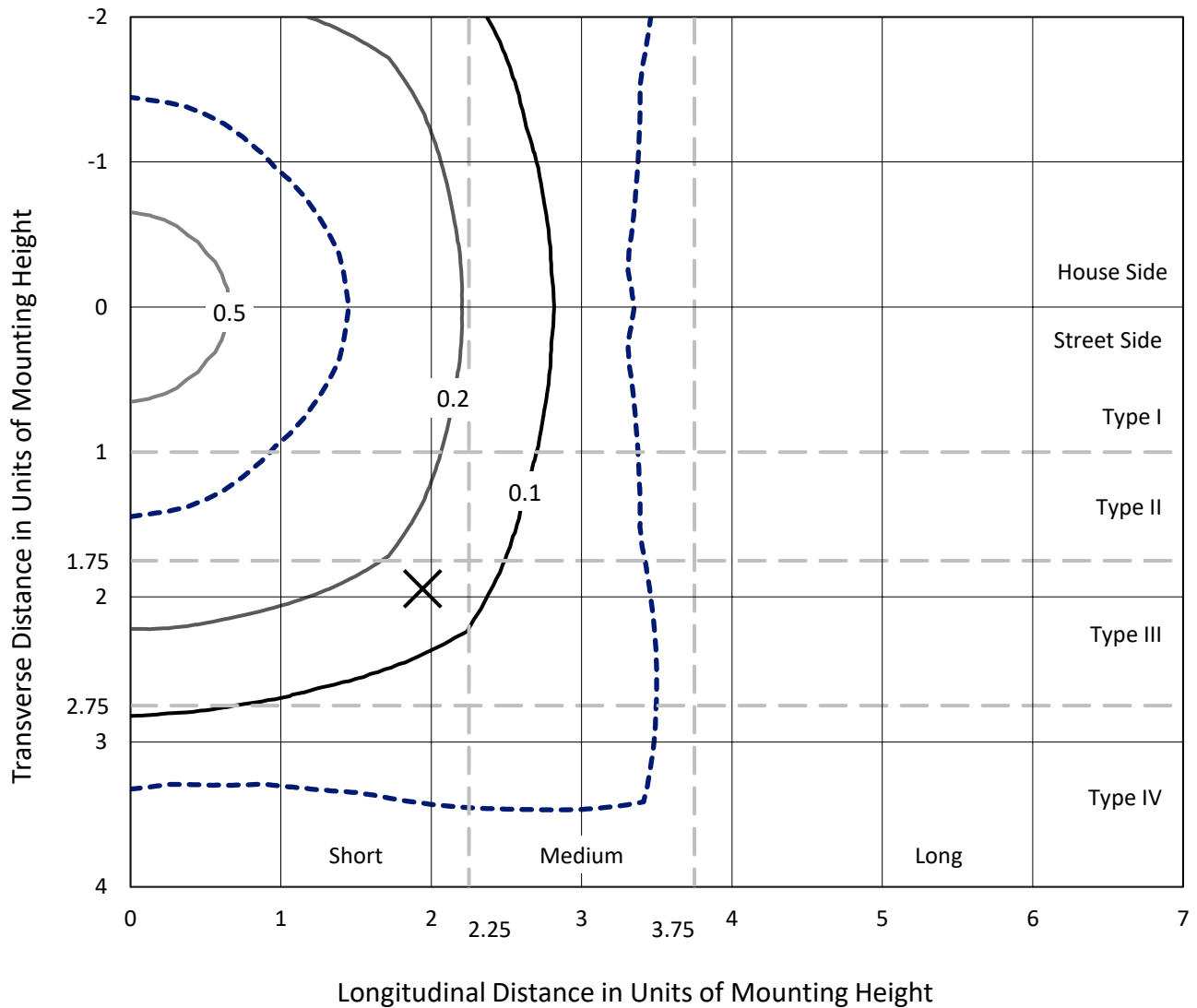
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

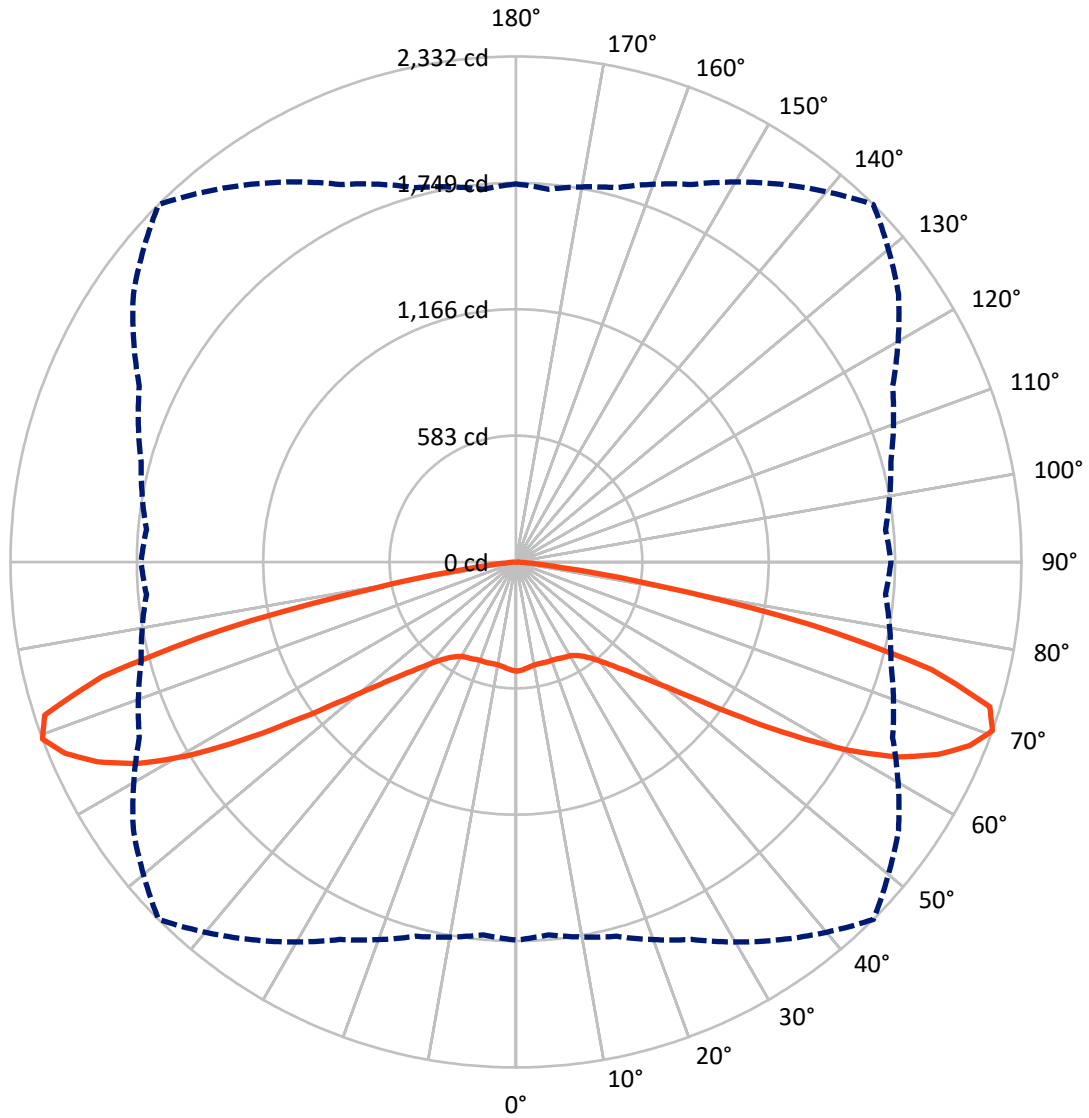
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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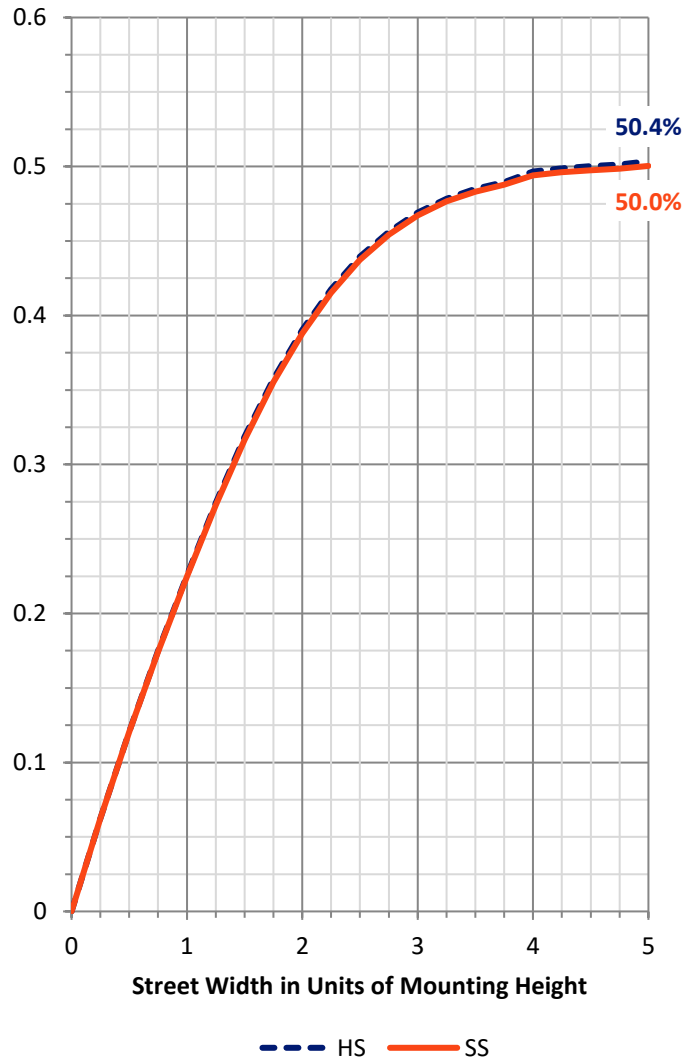
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2761.5	0.0	2761.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2761.5	0.0	2761.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5523.0	0.0	5523.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.9	0.8
10°-20°	137.6	2.5
20°-30°	229.0	4.1
30°-40°	346.3	6.3
40°-50°	575.5	10.4
50°-60°	1086.0	19.7
60°-70°	1833.7	33.2
70°-80°	1204.9	21.8
80°-90°	63.1	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°	5523.0	100.0
0°-180°	5523.0	100.0



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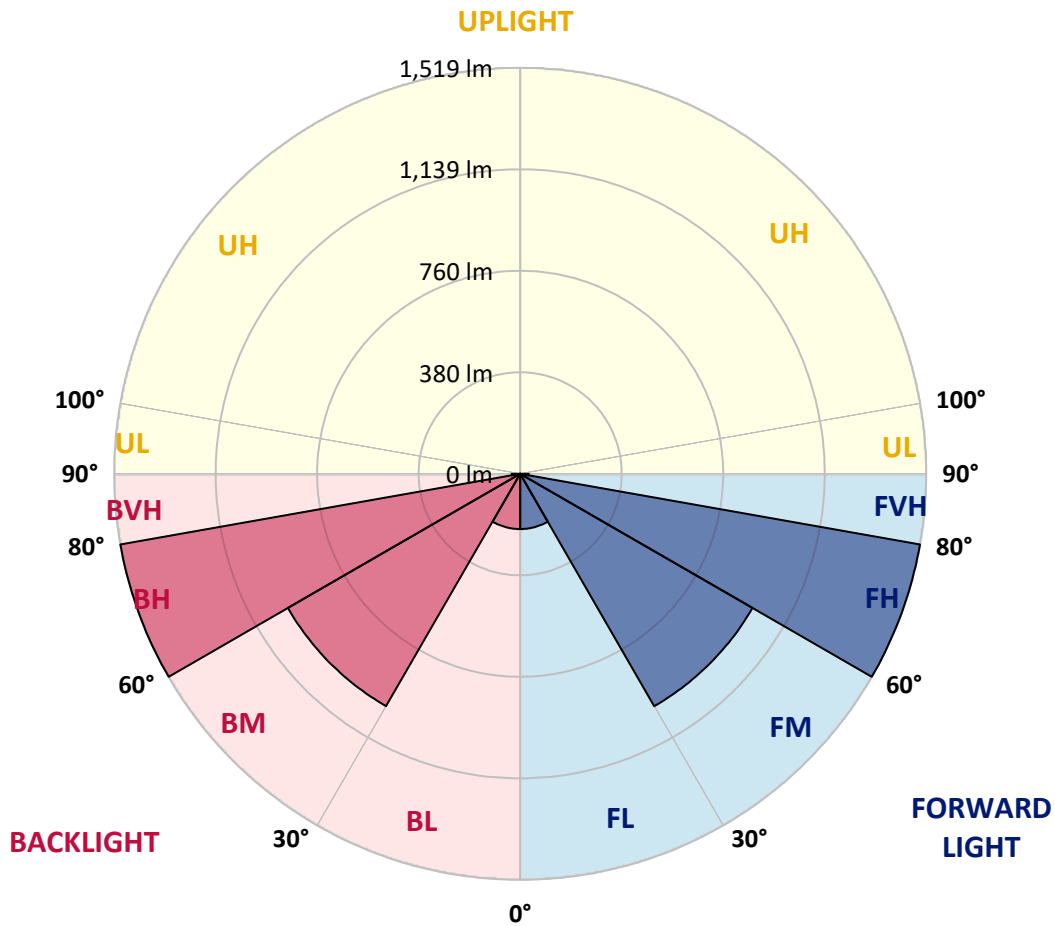
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	206.7	3.7			
FM (30°-60°)	1003.9	18.2			
FH (60°-80°)	1519.3	27.5			G1/1800
FVH (80°-90°)	31.6	0.6			G1/100
BL (0°-30°)	206.7	3.7	B1/500		
BM (30°-60°)	1003.9	18.2	B2/2500		
BH (60°-80°)	1519.3	27.5	B3/2500		G1/1800
BVH (80°-90°)	31.6	0.6			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°	503.8	503.8	503.8	503.8	503.8	503.8	503.8	503.8	503.8	503.8
2.5°	500.7	502.1	501.5	500.4	500.4	499.5	500.4	500.9	501.8	502.4
5°	494.0	495.2	494.9	494.0	494.3	493.5	494.0	494.9	495.5	495.8
7.5°	488.3	489.5	488.9	487.4	487.4	486.6	486.9	487.7	488.6	488.9
10°	486.9	488.0	486.3	484.0	483.1	482.0	482.3	483.1	484.9	485.7
12.5°	487.4	488.3	486.6	483.1	482.3	481.1	481.1	482.0	484.3	485.4
15°	489.2	490.0	487.4	483.7	482.9	482.0	481.7	482.9	485.4	487.4
17.5°	492.3	493.2	489.2	484.0	482.9	483.1	482.9	483.7	487.7	491.5
20°	495.2	495.8	490.3	484.0	482.9	483.1	482.9	484.6	489.7	494.9
22.5°	496.1	496.6	491.5	486.0	485.1	485.4	485.1	486.9	491.8	496.9
25°	496.3	497.2	493.2	488.9	490.3	490.9	490.3	490.6	494.3	498.9
27.5°	500.7	501.8	498.1	494.3	495.2	494.9	495.8	496.6	499.5	504.1
30°	509.6	510.4	507.3	503.5	502.9	500.9	503.5	506.4	509.6	513.6
32.5°	524.2	525.9	521.9	517.9	515.3	514.1	516.2	521.0	525.3	529.6
35°	548.6	549.7	546.0	538.5	534.0	534.0	535.7	542.0	548.9	554.3
37.5°	583.0	584.5	577.9	569.0	562.1	562.1	564.4	571.0	581.3	589.1
40°	625.0	627.0	618.6	609.5	602.8	601.7	604.6	612.0	621.8	631.6
42.5°	675.5	677.8	666.9	658.8	653.7	653.7	655.1	662.0	670.9	682.9
45°	740.1	744.1	729.2	721.1	716.2	717.4	718.3	724.3	732.3	746.1
47.5°	817.0	821.0	805.2	796.9	796.0	801.5	798.1	802.4	806.7	822.5
50°	904.3	911.2	900.3	899.7	901.4	911.4	903.4	905.7	900.8	910.9
52.5°	1011.1	1021.1	1019.1	1022.5	1041.8	1062.4	1044.1	1036.0	1017.7	1020.8
55°	1140.5	1155.7	1158.6	1179.3	1222.9	1265.1	1226.1	1193.6	1154.6	1147.4
57.5°	1287.8	1299.9	1313.6	1355.8	1437.4	1512.3	1437.4	1365.6	1304.2	1289.5
60°	1446.3	1461.2	1474.4	1536.7	1657.8	1763.2	1655.5	1541.6	1460.3	1440.5
62.5°	1616.5	1635.7	1644.9	1714.1	1855.3	1981.1	1857.3	1719.3	1629.1	1607.9
65°	1779.8	1795.6	1806.0	1879.7	2014.7	2140.7	2023.8	1887.8	1795.1	1767.2
67.5°	1855.9	1864.5	1889.8	1973.3	2115.7	2259.5	2139.8	1982.2	1878.6	1829.8
70°	1744.5	1727.0	1787.9	1921.7	2127.8	2332.4	2155.3	1917.6	1790.7	1711.5
72.5°	1348.1	1317.9	1423.6	1652.4	1990.0	2285.9	2003.8	1665.3	1489.3	1328.6
75°	733.5	699.3	845.1	1134.5	1586.9	1981.4	1623.4	1166.9	941.0	728.0
77.5°	207.0	194.1	311.8	548.9	954.5	1391.1	991.3	560.9	369.7	219.3
80°	63.4	61.4	83.3	165.4	405.3	666.3	389.6	167.4	105.9	66.9
82.5°	37.6	34.4	41.3	60.3	103.3	209.3	100.5	62.9	50.5	33.9
85°	21.5	20.1	24.4	29.3	34.7	44.5	29.0	29.9	27.0	18.1
87.5°	8.9	8.0	9.5	9.2	8.0	10.3	7.8	9.2	10.9	7.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
503.8
502.1
495.8
488.9
485.7
485.7
487.7
491.5
495.2
496.9
498.6
502.9
512.7
527.9
552.3
586.2
628.4
682.1
745.5
817.9
904.8
1010.2
1136.2
1279.2
1423.3
1590.7
1753.4
1830.4
1730.5
1368.5
775.4
243.7
70.6
36.7
18.9
6.6
0.0

OF REPORT)