

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: P939040

Luminaire Tested: **GALN-SB1B-950-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939040
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-SB1B-950-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3964 lumens
Efficiency: N/A
Efficacy: 99.6 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

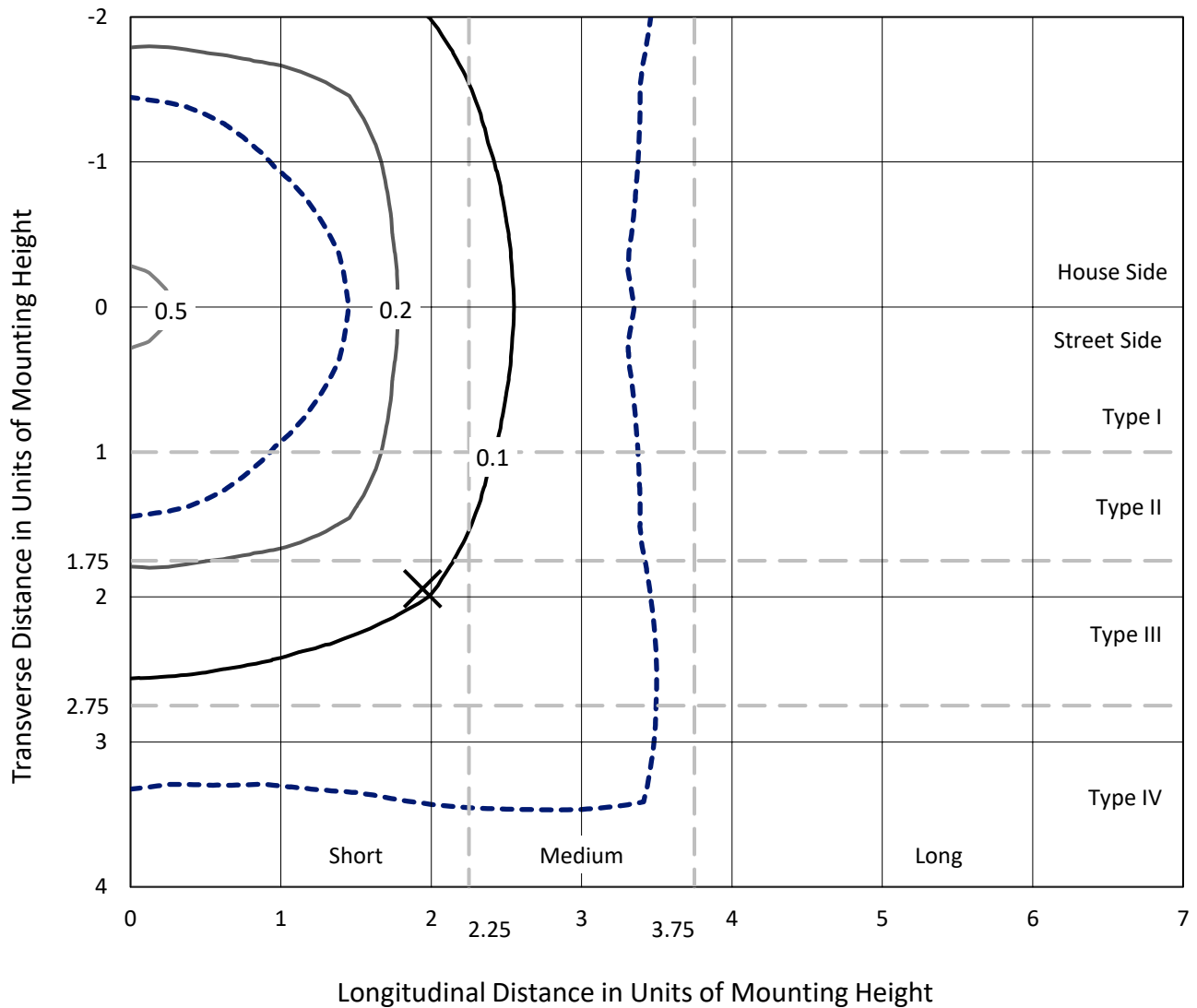
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

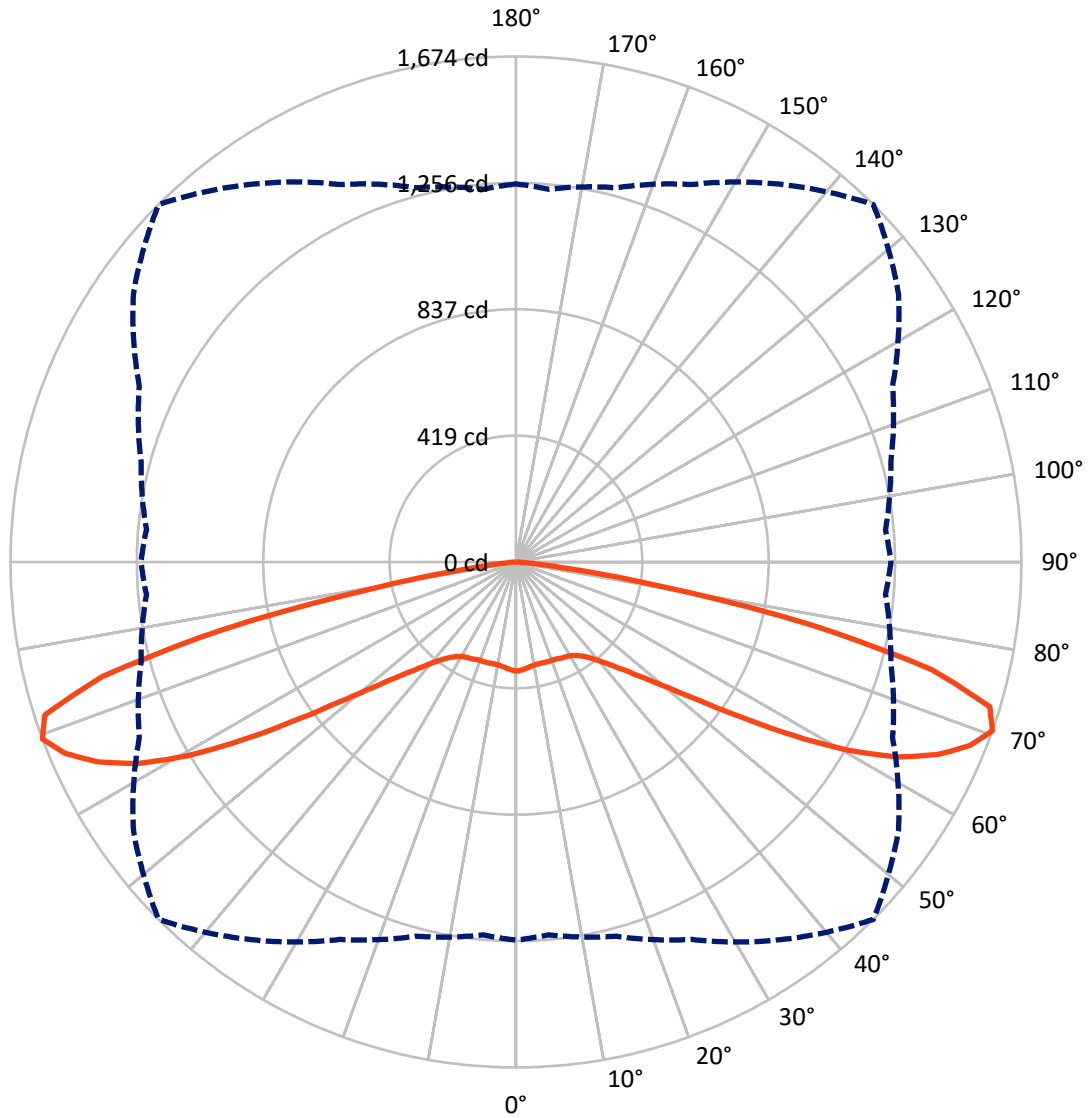
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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	1982.0	0.0	1982.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1982.0	0.0	1982.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3964.0	0.0	3964.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.6	0.8
10°-20°	98.8	2.5
20°-30°	164.4	4.1
30°-40°	248.6	6.3
40°-50°	413.1	10.4
50°-60°	779.4	19.7
60°-70°	1316.1	33.2
70°-80°	864.8	21.8
80°-90°	45.3	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°	3964.0	100.0
0°-180°	3964.0	100.0



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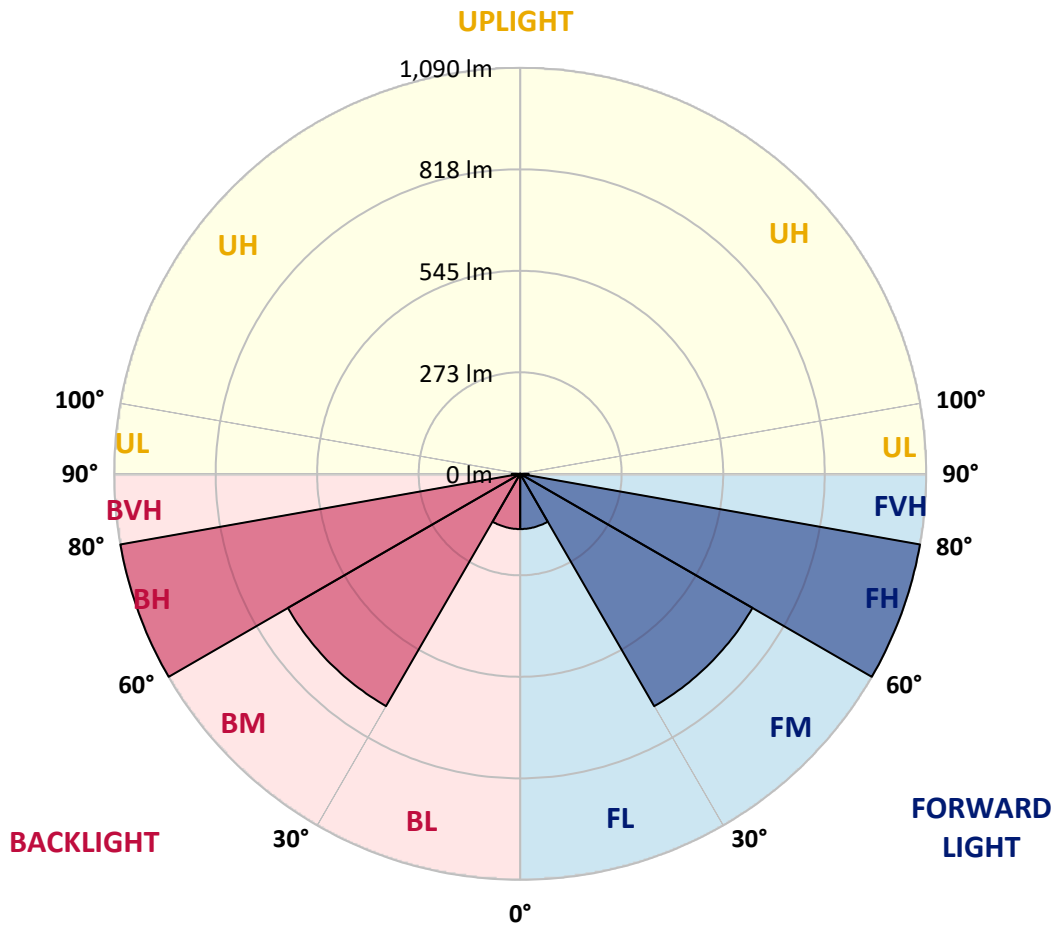
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	148.4	3.7			
FM (30°-60°)	720.5	18.2			
FH (60°-80°)	1090.4	27.5			G1/1800
FVH (80°-90°)	22.7	0.6			G1/100
BL (0°-30°)	148.4	3.7	B1/500		
BM (30°-60°)	720.5	18.2	B1/1000		
BH (60°-80°)	1090.4	27.5	B3/2500		G1/1800
BVH (80°-90°)	22.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6	361.6
2.5°	359.3	360.4	359.9	359.1	359.1	358.5	359.1	359.5	360.2	360.6
5°	354.6	355.4	355.2	354.6	354.8	354.2	354.6	355.2	355.6	355.8
7.5°	350.5	351.3	350.9	349.9	349.9	349.2	349.4	350.1	350.7	350.9
10°	349.4	350.3	349.0	347.4	346.8	345.9	346.1	346.8	348.0	348.6
12.5°	349.9	350.5	349.2	346.8	346.1	345.3	345.3	345.9	347.6	348.4
15°	351.1	351.7	349.9	347.2	346.6	345.9	345.7	346.6	348.4	349.9
17.5°	353.4	354.0	351.1	347.4	346.6	346.8	346.6	347.2	350.1	352.7
20°	355.4	355.8	351.9	347.4	346.6	346.8	346.6	347.8	351.5	355.2
22.5°	356.0	356.4	352.7	348.8	348.2	348.4	348.2	349.4	352.9	356.7
25°	356.2	356.9	354.0	350.9	351.9	352.3	351.9	352.1	354.8	358.1
27.5°	359.3	360.2	357.5	354.8	355.4	355.2	355.8	356.4	358.5	361.8
30°	365.7	366.3	364.1	361.4	361.0	359.5	361.4	363.5	365.7	368.6
32.5°	376.2	377.5	374.6	371.7	369.8	369.0	370.5	374.0	377.0	380.1
35°	393.7	394.6	391.9	386.5	383.2	383.2	384.5	389.0	393.9	397.9
37.5°	418.5	419.5	414.8	408.4	403.4	403.4	405.1	409.8	417.2	422.8
40°	448.5	450.0	444.0	437.4	432.7	431.9	433.9	439.3	446.3	453.3
42.5°	484.8	486.5	478.6	472.9	469.1	469.1	470.2	475.1	481.5	490.2
45°	531.2	534.1	523.3	517.6	514.1	514.9	515.5	519.8	525.6	535.5
47.5°	586.4	589.3	577.9	572.0	571.3	575.3	572.8	575.9	579.0	590.3
50°	649.0	654.0	646.1	645.7	647.0	654.2	648.4	650.0	646.5	653.8
52.5°	725.7	732.9	731.4	733.9	747.7	762.5	749.4	743.6	730.4	732.7
55°	818.6	829.5	831.6	846.4	877.7	908.0	880.0	856.7	828.7	823.5
57.5°	924.3	932.9	942.8	973.1	1031.6	1085.4	1031.6	980.1	936.0	925.5
60°	1038.0	1048.7	1058.2	1102.9	1189.9	1265.5	1188.2	1106.4	1048.1	1033.9
62.5°	1160.2	1174.0	1180.6	1230.3	1331.6	1421.9	1333.1	1234.0	1169.3	1154.0
65°	1277.4	1288.8	1296.2	1349.1	1446.0	1536.4	1452.6	1354.9	1288.4	1268.4
67.5°	1332.0	1338.2	1356.3	1416.3	1518.5	1621.7	1535.8	1422.7	1348.3	1313.3
70°	1252.1	1239.5	1283.2	1379.2	1527.2	1674.1	1546.9	1376.3	1285.3	1228.4
72.5°	967.6	945.9	1021.7	1186.0	1428.3	1640.7	1438.1	1195.2	1068.9	953.5
75°	526.4	501.9	606.6	814.3	1139.0	1422.1	1165.1	837.5	675.4	522.5
77.5°	148.6	139.3	223.8	393.9	685.1	998.5	711.4	402.6	265.4	157.4
80°	45.5	44.1	59.8	118.7	290.9	478.2	279.6	120.1	76.0	48.0
82.5°	27.0	24.7	29.7	43.3	74.2	150.2	72.1	45.1	36.3	24.3
85°	15.5	14.4	17.5	21.0	24.9	31.9	20.8	21.4	19.4	13.0
87.5°	6.4	5.8	6.8	6.6	5.8	7.4	5.6	6.6	7.8	5.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
361.6
360.4
355.8
350.9
348.6
348.6
350.1
352.7
355.4
356.7
357.9
361.0
368.0
378.9
396.4
420.7
451.0
489.5
535.1
587.0
649.4
725.0
815.5
918.1
1021.5
1141.7
1258.5
1313.7
1242.0
982.2
556.5
174.9
50.7
26.4
13.6
4.7
0.0

OF REPORT)