

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: P945439

Luminaire Tested: **GALN-SB1B-927-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945439
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-SB1B-927-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3591 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

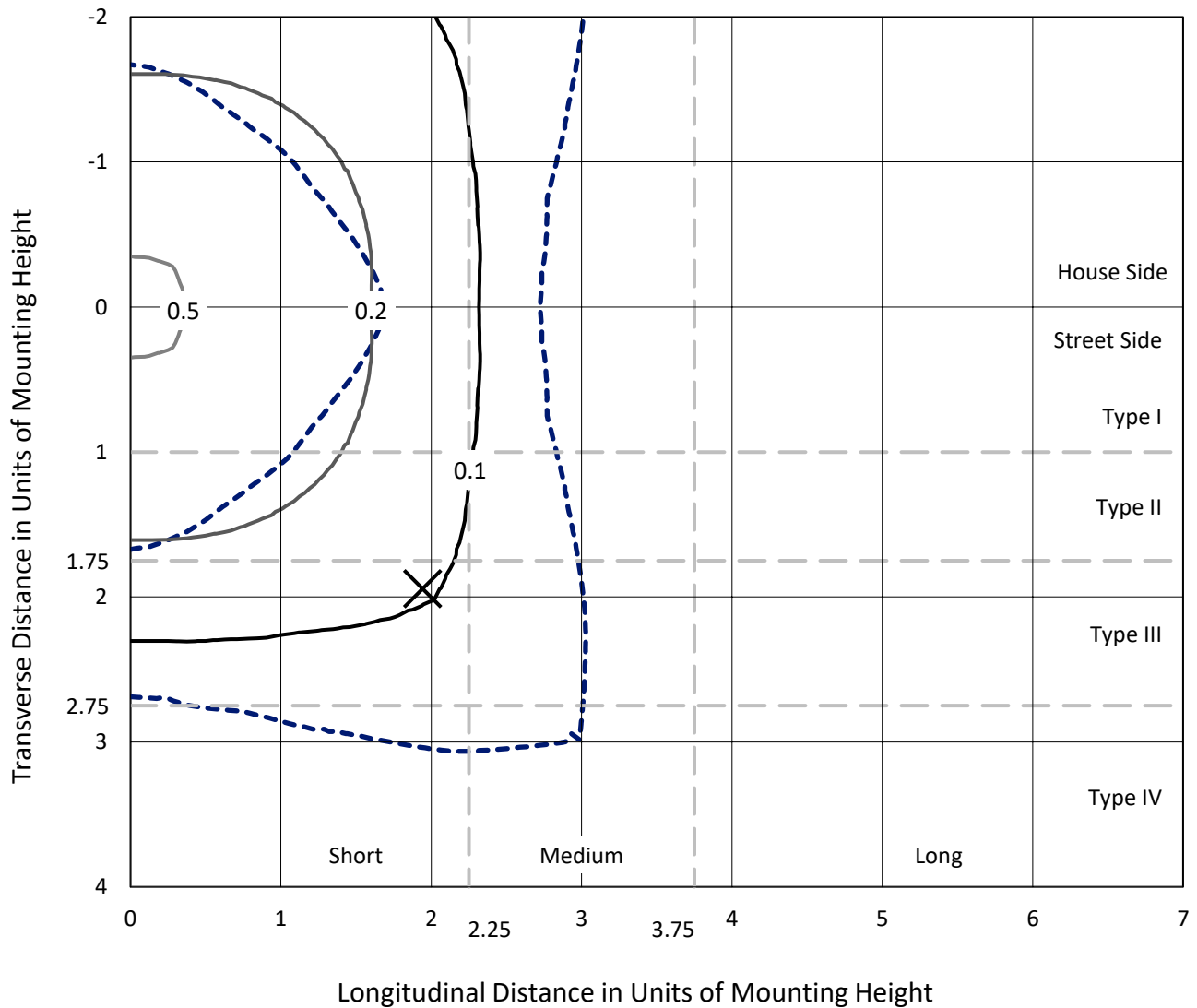
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

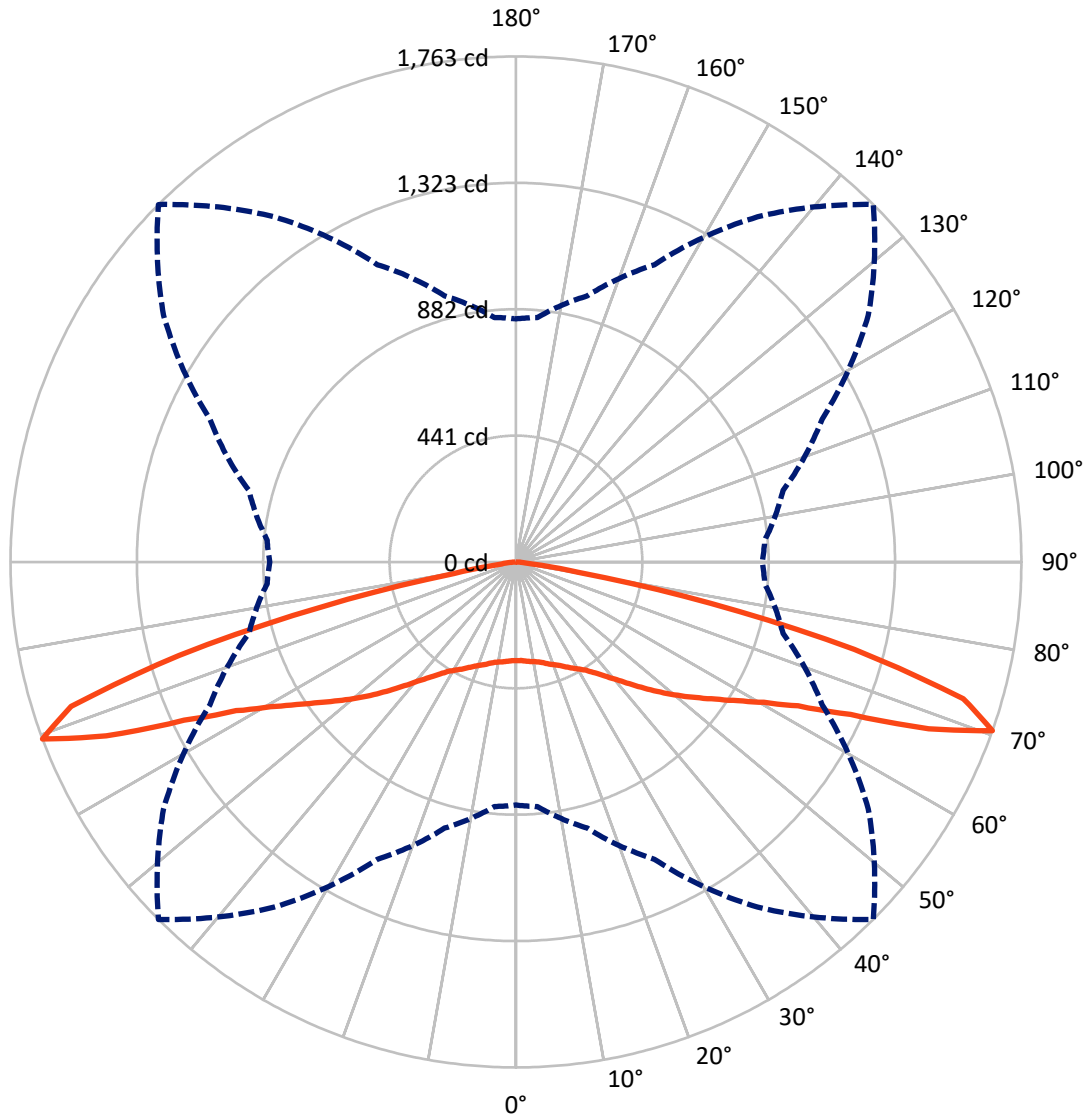
× Max cd
 - - - 1/2 Max cd



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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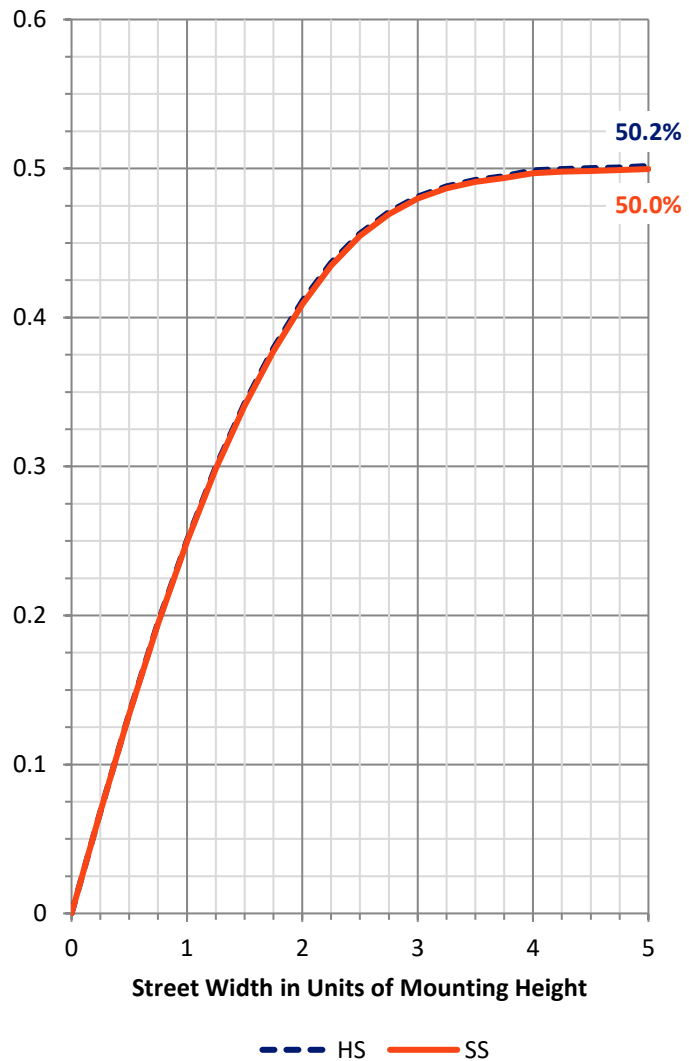
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1795.5	0.0	1795.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1795.5	0.0	1795.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3591.0	0.0	3591.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.4	0.9
10°-20°	103.6	2.9
20°-30°	185.2	5.2
30°-40°	300.2	8.4
40°-50°	489.0	13.6
50°-60°	745.5	20.8
60°-70°	1109.1	30.9
70°-80°	604.5	16.8
80°-90°	20.6	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°	3591.0	100.0
0°-180°	3591.0	100.0

Coefficient of Utilization



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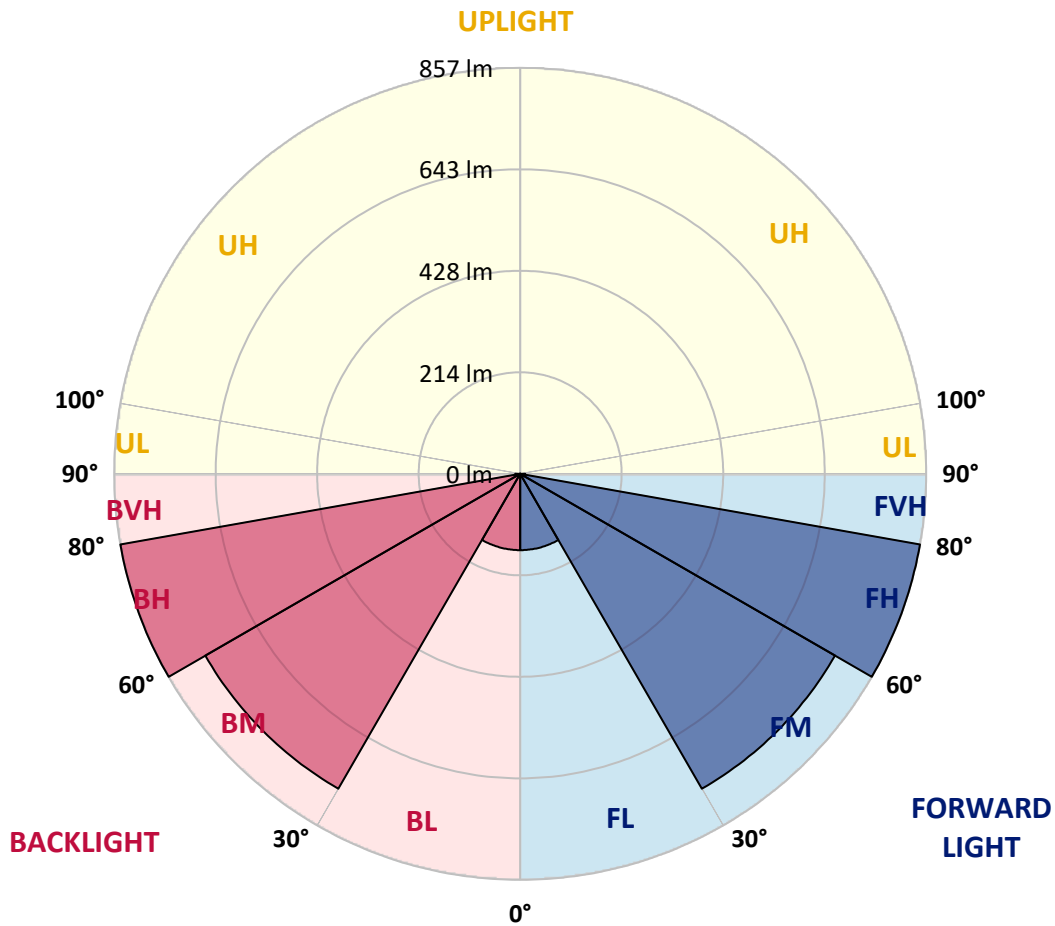
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	161.1	4.5			
FM (30°-60°)	767.3	21.4			
FH (60°-80°)	856.8	23.9			G1/1800
FVH (80°-90°)	10.3	0.3			G1/100
BL (0°-30°)	161.1	4.5	B1/500		
BM (30°-60°)	767.3	21.4	B1/1000		
BH (60°-80°)	856.8	23.9	B2/1000		G1/1800
BVH (80°-90°)	10.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	344.0	344.0	344.0	344.0	344.0	344.0	344.0	344.0	344.0	344.0
2.5°	345.6	346.0	345.2	344.9	344.5	344.0	344.2	345.1	345.8	345.6
5°	348.5	348.8	348.3	348.1	347.4	347.2	347.2	348.1	348.7	348.3
7.5°	351.7	352.3	351.4	351.2	350.8	350.5	350.3	351.2	351.7	351.7
10°	354.8	355.3	354.6	354.1	353.7	353.7	353.4	354.1	355.0	354.8
12.5°	358.0	358.4	357.7	357.3	357.3	357.9	357.3	357.7	358.4	358.0
15°	362.0	362.2	362.0	362.5	363.5	365.3	363.6	363.3	363.6	362.7
17.5°	367.4	367.8	368.5	369.8	371.0	374.3	371.4	370.5	370.5	368.7
20°	374.1	374.6	375.7	377.9	379.5	382.6	379.7	378.4	377.9	375.5
22.5°	381.1	382.0	383.6	386.5	389.4	392.3	389.4	387.2	385.6	382.6
25°	389.2	390.3	392.8	397.5	401.5	405.6	402.2	397.9	394.6	390.3
27.5°	400.8	402.0	405.1	410.9	415.9	419.5	416.3	410.7	406.2	401.0
30°	417.0	418.3	421.9	428.0	431.4	433.8	431.6	427.3	421.9	415.9
32.5°	437.9	439.5	443.5	449.3	450.0	450.3	449.6	447.5	443.5	436.3
35°	464.4	466.2	470.7	475.4	474.7	475.4	474.3	473.6	470.7	462.4
37.5°	496.9	499.0	503.7	507.3	505.5	504.6	504.8	505.0	503.4	494.2
40°	534.5	537.4	540.9	544.6	541.6	538.9	540.7	542.1	540.7	531.3
42.5°	573.3	577.4	581.1	586.5	583.9	580.5	583.0	584.7	581.6	571.5
45°	616.4	620.4	625.0	633.2	631.4	627.7	631.4	631.7	626.5	614.6
47.5°	660.9	665.1	672.1	682.9	682.2	678.2	682.9	680.4	673.7	659.5
50°	703.1	708.9	719.7	734.8	736.3	731.4	737.7	732.9	721.7	703.8
52.5°	742.8	748.9	766.0	786.6	791.8	785.5	794.0	785.5	768.7	745.8
55°	784.4	791.3	811.6	838.5	849.0	844.3	852.2	839.4	815.6	787.8
57.5°	833.4	837.6	861.9	893.8	911.5	912.6	916.2	894.6	865.7	834.2
60°	886.6	892.4	918.9	957.1	985.1	994.1	990.3	958.2	924.7	888.4
62.5°	954.8	961.1	992.8	1038.6	1082.8	1105.1	1090.4	1043.8	1002.4	958.9
65°	1011.2	1018.2	1075.6	1157.2	1237.6	1282.5	1245.4	1159.8	1085.1	1023.8
67.5°	970.3	978.9	1068.9	1218.9	1418.8	1552.8	1425.7	1237.3	1091.1	1008.0
70°	848.1	856.2	961.1	1144.4	1469.9	1763.4	1500.5	1178.2	964.5	871.5
72.5°	563.0	589.2	695.4	915.3	1312.5	1631.7	1325.4	896.7	645.1	561.8
75°	186.8	207.7	280.2	474.5	879.1	1220.3	836.9	419.9	221.9	159.7
77.5°	47.1	54.3	74.8	135.8	350.7	694.8	315.7	110.9	60.4	42.2
80°	22.9	25.2	36.1	45.3	87.8	220.8	82.4	42.5	28.5	22.0
82.5°	12.6	12.8	20.4	25.6	32.6	57.1	33.9	24.9	16.4	13.3
85°	7.8	7.6	10.8	13.7	13.7	20.4	16.2	13.7	9.4	8.3
87.5°	3.1	3.1	4.0	4.3	3.8	5.2	4.1	4.5	3.6	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
344.0
345.8
348.5
351.7
354.8
357.9
362.7
368.7
375.5
382.4
390.1
400.8
415.9
436.5
462.4
494.2
531.3
572.2
615.8
658.6
703.5
743.7
784.1
829.8
882.7
951.4
1013.7
995.5
859.1
543.6
151.1
37.7
20.2
13.3
8.7
3.6
0.0

OF REPORT)