

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: P945523

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945523
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-950-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4104 lumens
Efficiency: N/A
Efficacy: 103.1 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

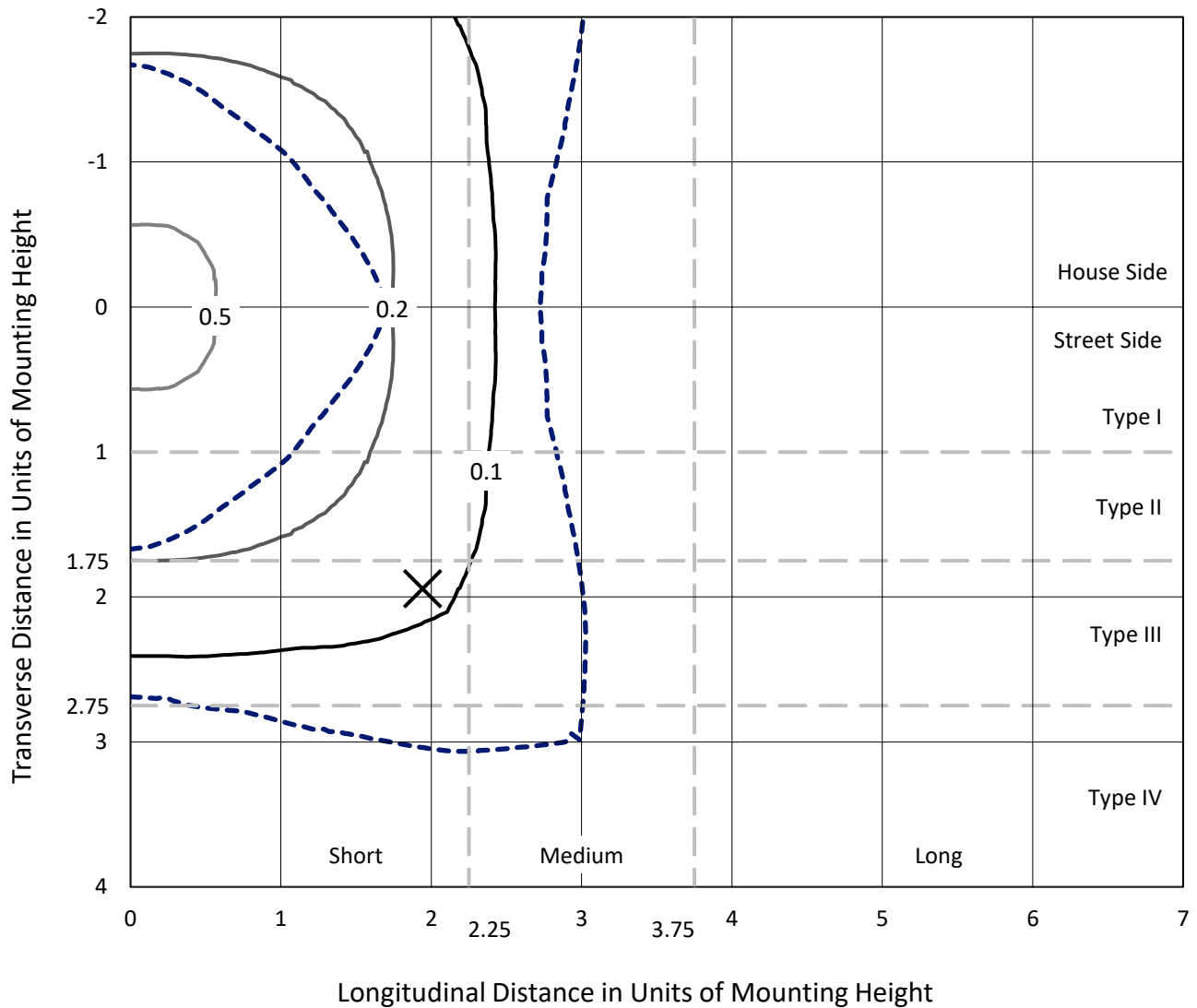
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

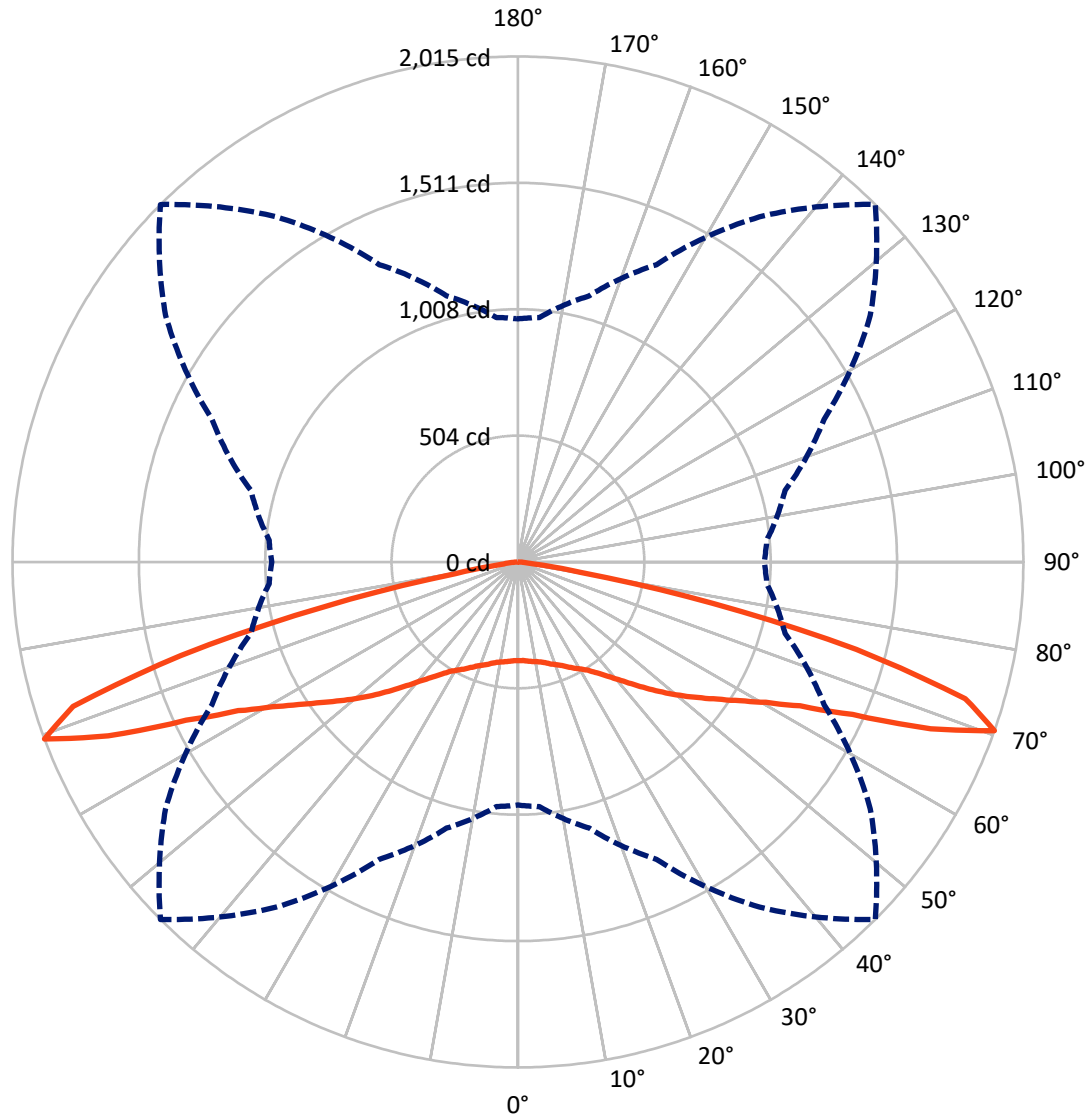
× Max cd
 - - - 1/2 Max cd



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	2052.0	0.0	2052.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2052.0	0.0	2052.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4104.0	0.0	4104.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.2	0.9
10°-20°	118.4	2.9
20°-30°	211.6	5.2
30°-40°	343.1	8.4
40°-50°	558.8	13.6
50°-60°	852.0	20.8
60°-70°	1267.5	30.9
70°-80°	690.8	16.8
80°-90°	23.5	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°	4104.0	100.0
0°-180°	4104.0	100.0



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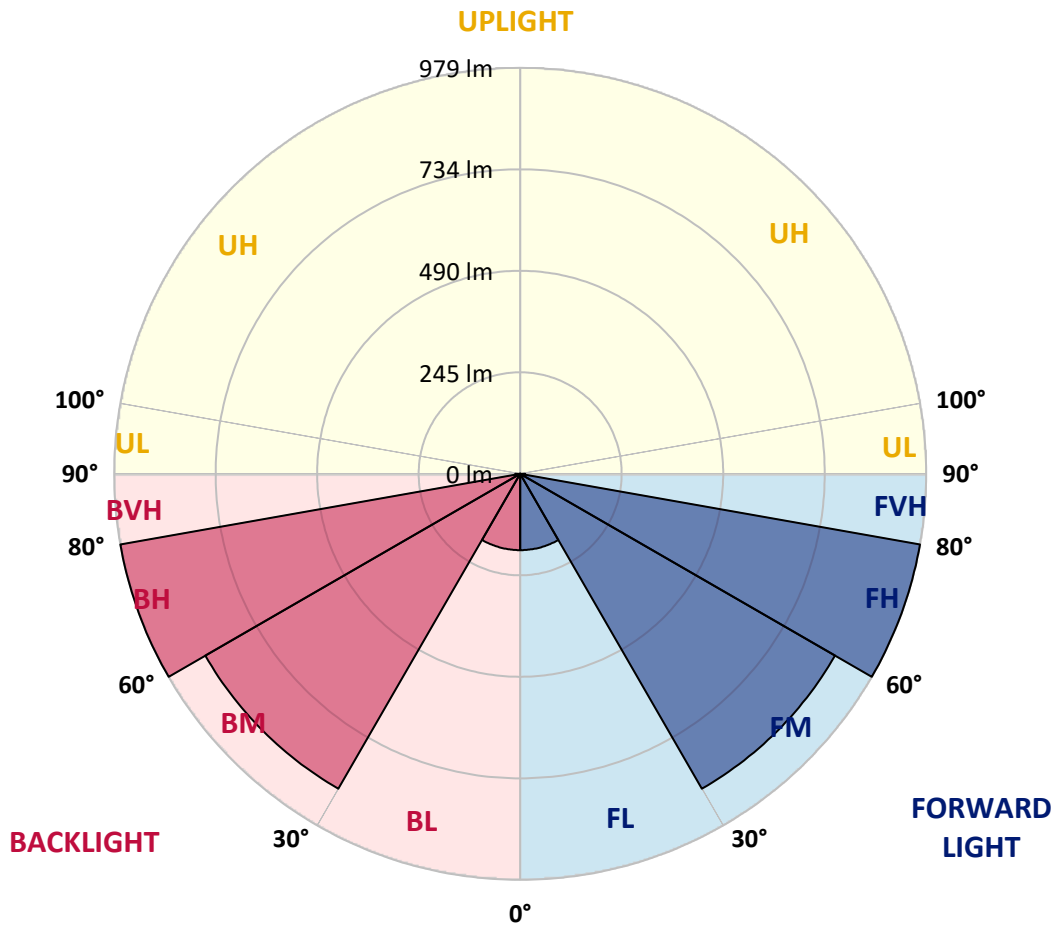
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.1	4.5			
FM (30°-60°)	876.9	21.4			
FH (60°-80°)	979.2	23.9			G1/1800
FVH (80°-90°)	11.8	0.3			G1/100
BL (0°-30°)	184.1	4.5	B1/500		
BM (30°-60°)	876.9	21.4	B1/1000		
BH (60°-80°)	979.2	23.9	B2/1000		G1/1800
BVH (80°-90°)	11.8	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°	393.1	393.1	393.1	393.1	393.1	393.1	393.1	393.1	393.1	393.1
2.5°	395.0	395.4	394.6	394.2	393.7	393.1	393.3	394.4	395.2	395.0
5°	398.3	398.7	398.1	397.9	397.0	396.8	396.8	397.9	398.5	398.1
7.5°	402.0	402.6	401.6	401.4	401.0	400.5	400.3	401.4	402.0	402.0
10°	405.5	406.1	405.3	404.7	404.2	404.2	403.8	404.7	405.7	405.5
12.5°	409.2	409.6	408.8	408.4	408.4	409.0	408.4	408.8	409.6	409.2
15°	413.7	413.9	413.7	414.3	415.4	417.4	415.6	415.2	415.6	414.5
17.5°	419.9	420.3	421.1	422.6	424.0	427.7	424.4	423.4	423.4	421.3
20°	427.5	428.1	429.4	431.9	433.7	437.2	433.9	432.5	431.9	429.2
22.5°	435.6	436.6	438.4	441.7	445.0	448.3	445.0	442.6	440.7	437.2
25°	444.8	446.1	449.0	454.3	458.8	463.6	459.7	454.7	451.0	446.1
27.5°	458.0	459.5	463.0	469.6	475.3	479.5	475.7	469.4	464.2	458.2
30°	476.6	478.0	482.1	489.1	493.0	495.7	493.3	488.3	482.1	475.3
32.5°	500.5	502.3	506.9	513.4	514.3	514.7	513.9	511.4	506.9	498.6
35°	530.8	532.8	538.0	543.3	542.5	543.3	542.1	541.3	538.0	528.5
37.5°	567.8	570.3	575.7	579.8	577.7	576.7	576.9	577.1	575.3	564.8
40°	610.9	614.2	618.1	622.4	618.9	615.8	617.9	619.6	617.9	607.2
42.5°	655.2	659.9	664.1	670.2	667.4	663.4	666.3	668.2	664.7	653.1
45°	704.4	709.0	714.3	723.6	721.5	717.4	721.5	722.0	716.0	702.4
47.5°	755.3	760.1	768.1	780.5	779.6	775.1	780.5	777.6	770.0	753.7
50°	803.5	810.1	822.5	839.8	841.5	835.9	843.1	837.5	824.8	804.4
52.5°	848.9	855.9	875.5	898.9	904.9	897.7	907.4	897.7	878.5	852.4
55°	896.5	904.3	927.6	958.3	970.2	964.9	973.9	959.3	932.1	900.4
57.5°	952.5	957.3	985.1	1021.5	1041.7	1043.0	1047.1	1022.4	989.4	953.3
60°	1013.3	1019.9	1050.2	1093.9	1125.8	1136.1	1131.8	1095.1	1056.8	1015.4
62.5°	1091.2	1098.4	1134.7	1187.0	1237.5	1263.0	1246.1	1193.0	1145.6	1095.9
65°	1155.7	1163.7	1229.2	1322.6	1414.5	1465.8	1423.3	1325.4	1240.1	1170.1
67.5°	1108.9	1118.8	1221.6	1393.0	1621.5	1774.6	1629.3	1414.0	1246.9	1152.0
70°	969.2	978.5	1098.4	1307.9	1679.8	2015.3	1714.9	1346.5	1102.3	996.0
72.5°	643.5	673.3	794.7	1046.1	1500.0	1864.9	1514.8	1024.8	737.2	642.0
75°	213.5	237.4	320.2	542.3	1004.6	1394.7	956.4	479.9	253.6	182.5
77.5°	53.8	62.0	85.5	155.1	400.7	794.1	360.8	126.7	69.0	48.2
80°	26.2	28.8	41.2	51.7	100.3	252.4	94.2	48.6	32.6	25.1
82.5°	14.4	14.6	23.3	29.3	37.3	65.3	38.7	28.4	18.7	15.2
85°	8.9	8.7	12.4	15.7	15.7	23.3	18.5	15.7	10.7	9.5
87.5°	3.5	3.5	4.5	4.9	4.3	6.0	4.7	5.2	4.1	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
393.1
395.2
398.3
402.0
405.5
409.0
414.5
421.3
429.2
437.0
445.9
458.0
475.3
498.8
528.5
564.8
607.2
654.0
703.8
752.7
804.0
849.9
896.1
948.4
1008.8
1087.3
1158.6
1137.7
981.8
621.2
172.7
43.1
23.1
15.2
9.9
4.1
0.0

OF REPORT)