

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: P945440

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
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-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3593 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

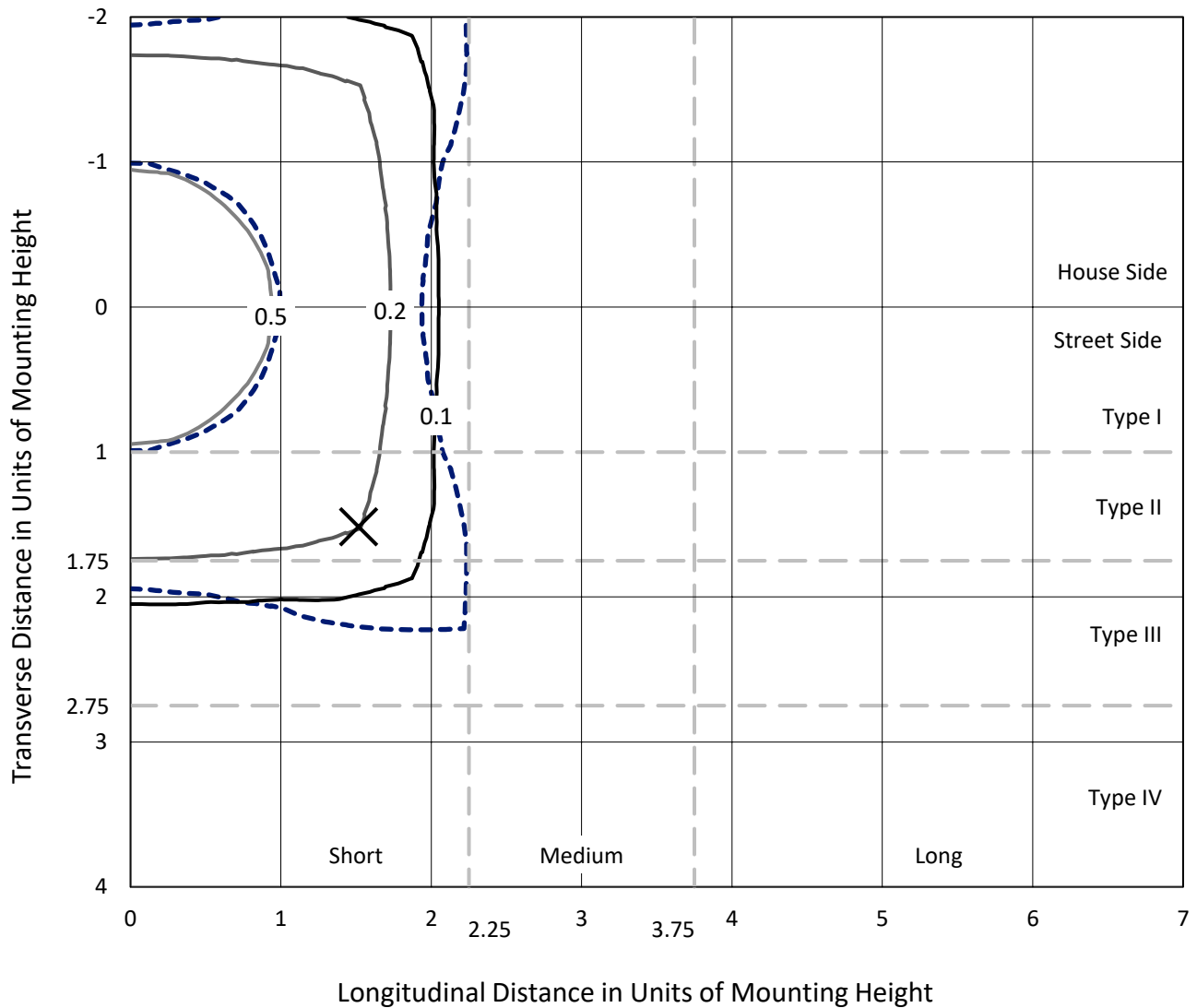
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

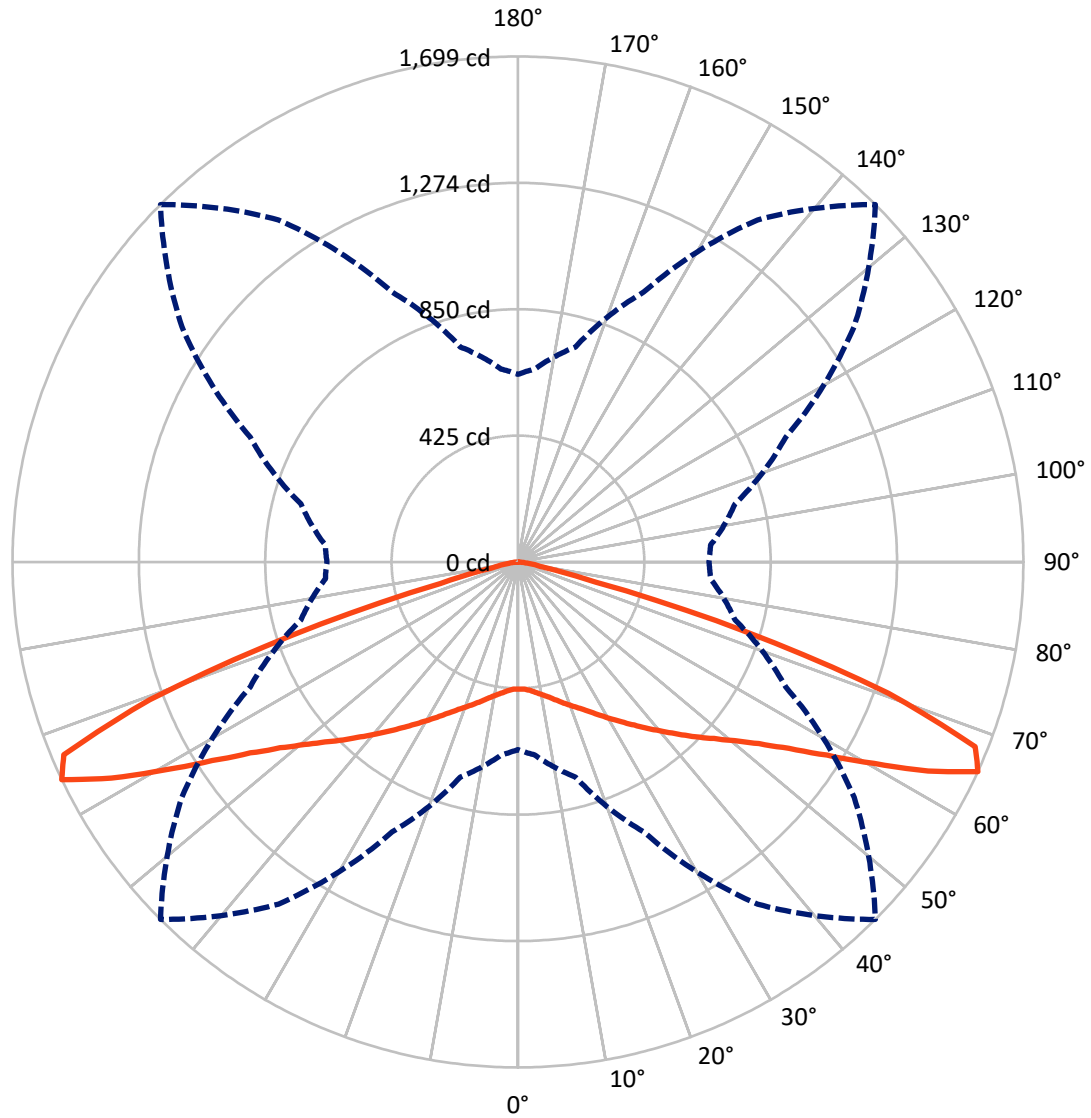
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1796.5	0.0	1796.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1796.5	0.0	1796.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3593.0	0.0	3593.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.2	1.2
10°-20°	137.7	3.8
20°-30°	260.0	7.2
30°-40°	425.7	11.8
40°-50°	660.1	18.4
50°-60°	975.1	27.1
60°-70°	928.2	25.8
70°-80°	149.8	4.2
80°-90°	14.1	0.4
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°	3593.0	100.0
0°-180°	3593.0	100.0

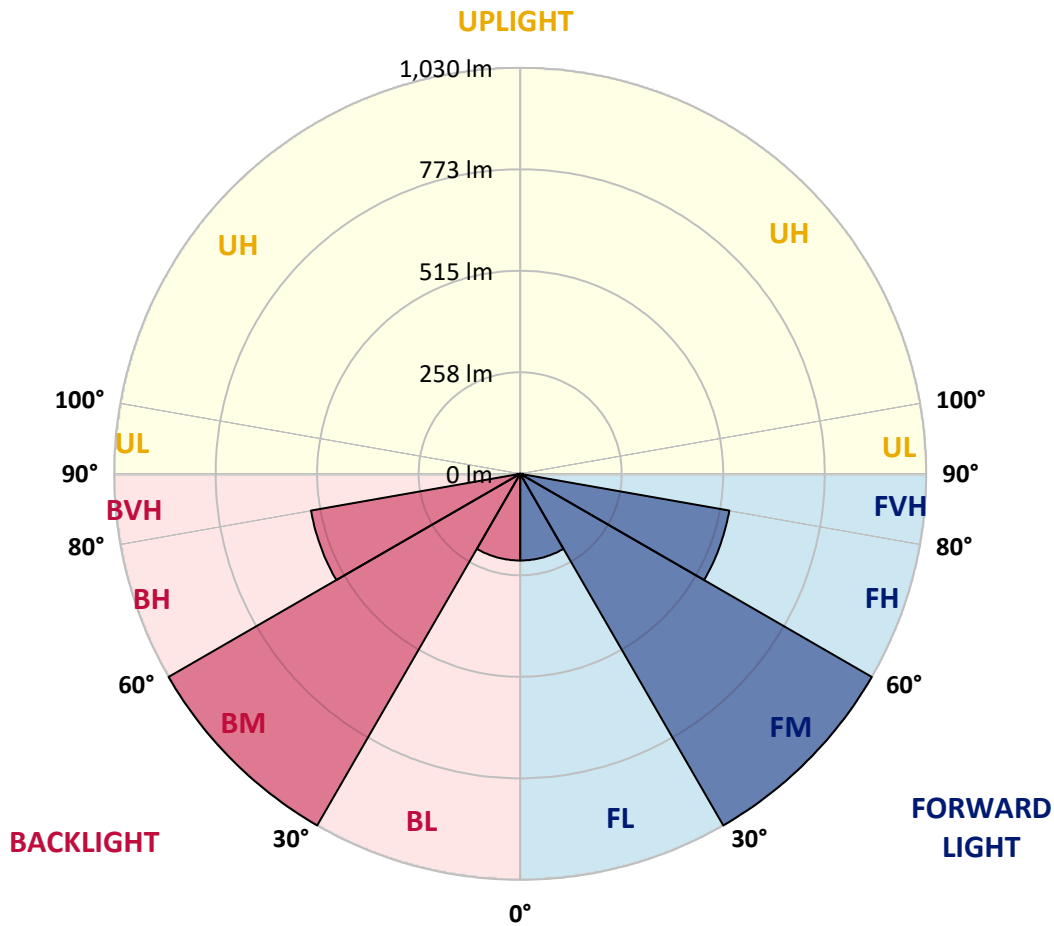


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.9	6.1			
FM (30°-60°)	1030.5	28.7			
FH (60°-80°)	539.0	15.0			G0/660
FVH (80°-90°)	7.1	0.2			G0/10
BL (0°-30°)	219.9	6.1	B1/500		
BM (30°-60°)	1030.5	28.7	B2/2500		
BH (60°-80°)	539.0	15.0	B2/1000		G0/660
BVH (80°-90°)	7.1	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	427.6	427.6	427.6	427.6	427.6	427.6	427.6	427.6	427.6	427.6
2.5°	430.5	429.0	430.1	429.2	428.5	427.8	428.1	429.4	429.9	430.1
5°	436.3	435.0	435.5	435.5	434.3	433.9	434.1	435.0	436.1	436.1
7.5°	445.6	444.4	445.6	444.9	443.8	443.5	443.3	444.0	445.6	445.6
10°	457.0	455.5	456.3	455.9	454.6	454.1	453.9	455.0	456.4	456.3
12.5°	469.4	467.8	468.7	467.6	467.3	466.7	466.7	466.5	467.4	466.7
15°	483.3	482.2	482.6	481.9	482.4	482.0	480.6	479.9	480.2	479.2
17.5°	499.7	497.2	498.4	498.1	498.1	498.8	496.5	495.6	496.3	495.2
20°	518.6	516.1	516.7	515.9	515.0	515.8	512.9	513.6	514.1	513.4
22.5°	539.4	536.1	535.9	536.3	534.3	534.5	532.5	534.3	535.4	533.4
25°	560.6	557.2	559.6	558.7	556.1	556.7	555.2	557.0	557.9	555.4
27.5°	583.2	580.8	583.0	583.5	580.5	582.6	580.5	582.1	583.0	579.2
30°	609.5	607.2	609.1	610.6	607.0	610.4	608.6	609.7	609.9	605.4
32.5°	638.2	634.6	639.6	640.3	636.4	640.5	638.2	639.6	640.5	634.4
35°	673.1	668.6	674.4	673.5	670.1	673.5	671.3	673.5	675.7	668.3
37.5°	710.8	706.1	712.3	710.6	707.4	709.7	708.5	709.9	713.3	705.4
40°	752.3	746.5	754.8	751.9	748.8	748.5	749.2	750.1	754.6	745.8
42.5°	796.6	790.5	802.9	798.4	794.1	791.2	793.6	795.4	799.7	789.8
45°	847.3	840.2	856.5	851.1	844.2	838.3	842.0	844.8	851.1	839.2
47.5°	903.2	895.2	912.5	910.9	899.7	886.8	895.4	903.2	907.8	893.4
50°	957.8	951.7	974.4	976.3	962.6	944.4	956.5	968.2	969.5	950.6
52.5°	1009.0	1002.8	1035.8	1048.3	1036.0	1014.4	1027.2	1039.1	1029.5	1005.0
55°	1049.9	1044.9	1086.9	1118.9	1123.1	1105.2	1112.8	1112.5	1081.1	1043.4
57.5°	1059.8	1059.1	1112.1	1180.1	1223.3	1225.5	1210.5	1172.3	1104.7	1054.0
60°	1014.7	1019.3	1092.1	1212.0	1327.3	1375.3	1310.6	1201.5	1077.8	1007.5
62.5°	879.9	891.8	979.6	1173.0	1411.3	1547.6	1390.8	1157.2	967.5	875.8
65°	630.6	651.3	748.3	1001.0	1403.8	1699.1	1379.3	992.9	755.5	649.7
67.5°	286.1	307.2	389.6	685.4	1220.3	1658.0	1217.4	692.6	409.0	308.3
70°	103.7	107.3	133.8	274.4	779.9	1321.0	813.2	276.4	142.2	114.3
72.5°	62.7	63.3	68.9	98.2	270.9	802.0	282.5	101.5	70.3	62.4
75°	39.8	39.5	49.0	60.0	96.1	270.6	100.8	60.0	48.9	44.5
77.5°	28.7	29.6	35.2	44.9	60.6	91.8	59.5	42.9	35.2	28.8
80°	21.5	22.0	25.6	35.0	42.5	57.1	37.9	31.7	26.5	18.0
82.5°	15.5	15.5	16.8	25.4	26.0	30.8	20.6	22.4	17.5	12.8
85°	9.2	9.0	10.5	15.1	13.5	11.4	9.4	13.7	11.0	7.9
87.5°	3.2	3.4	3.2	4.3	3.6	3.1	2.9	3.8	3.1	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
427.6
430.1
436.1
445.1
455.9
467.1
479.3
496.1
515.0
535.4
558.3
582.1
608.1
638.5
672.8
710.3
748.7
795.0
845.3
898.3
952.9
1005.7
1044.7
1050.8
999.2
870.3
641.9
303.8
112.8
63.5
44.9
29.4
18.6
12.8
7.8
2.5
0.0

OF REPORT)