

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: P939170

Luminaire Tested: **GALN-SB1C-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939170
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-SB1C-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4613 lumens
Efficiency: N/A
Efficacy: 84.8 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

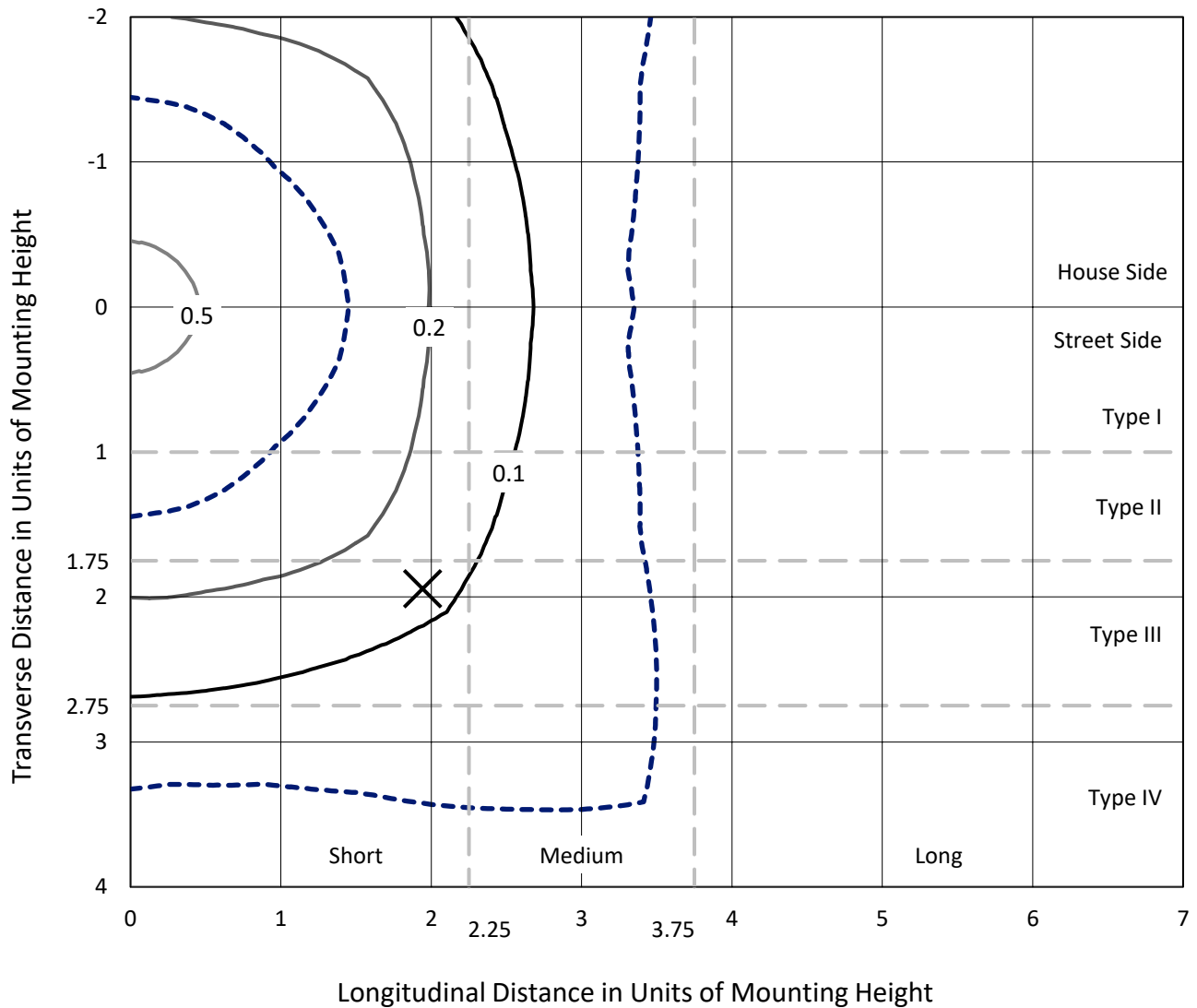
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P939170
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Iso-Footcandle Lines of Horizontal Illumination

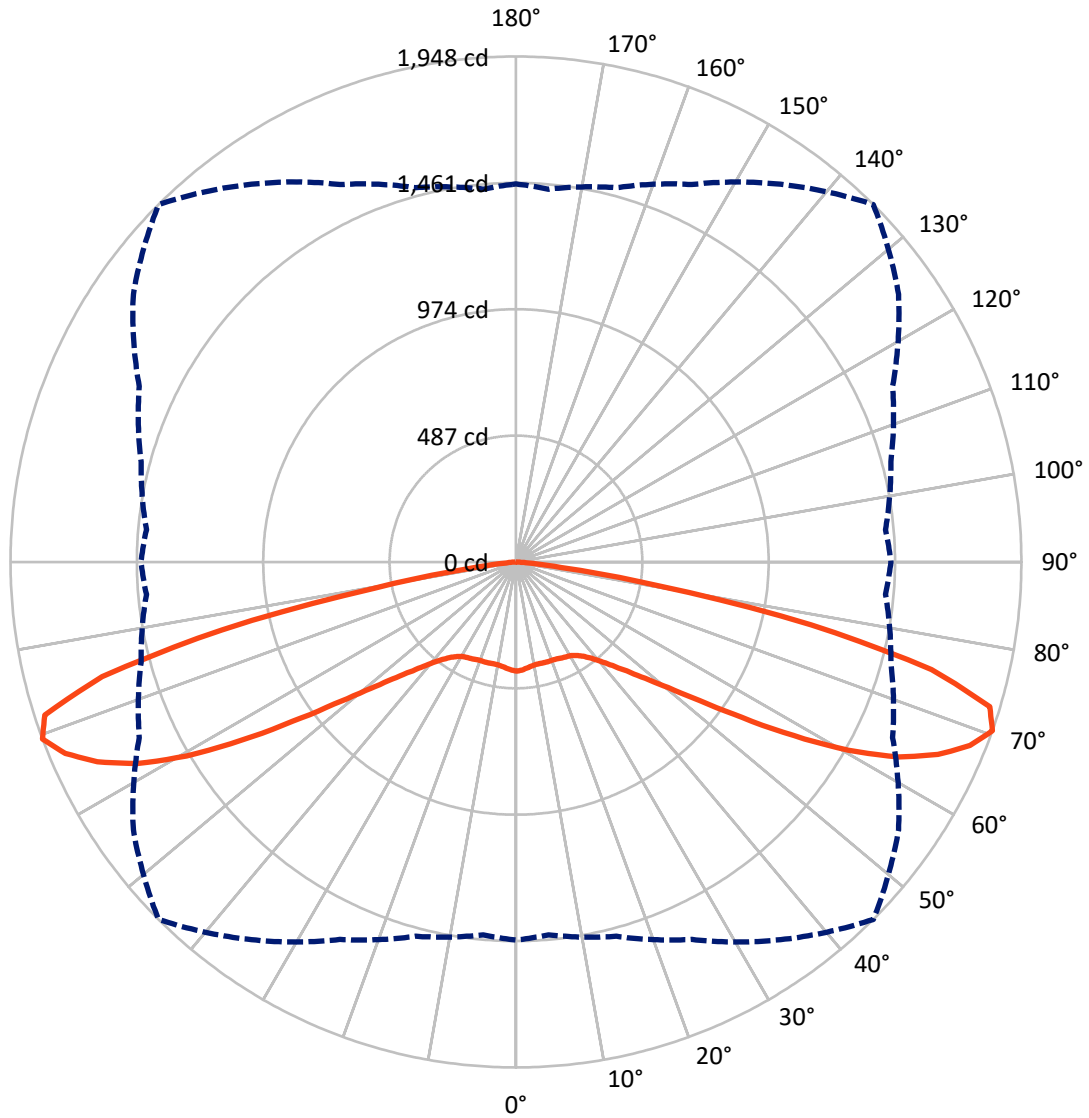
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P939170
CATALOG NUMBER: GALN-SB1C-927-U-5WQ

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	2306.5	0.0	2306.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2306.5	0.0	2306.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4613.0	0.0	4613.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	0.8
10°-20°	114.9	2.5
20°-30°	191.3	4.1
30°-40°	289.3	6.3
40°-50°	480.7	10.4
50°-60°	907.0	19.7
60°-70°	1531.6	33.2
70°-80°	1006.4	21.8
80°-90°	52.7	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°	4613.0	100.0
0°-180°	4613.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939170

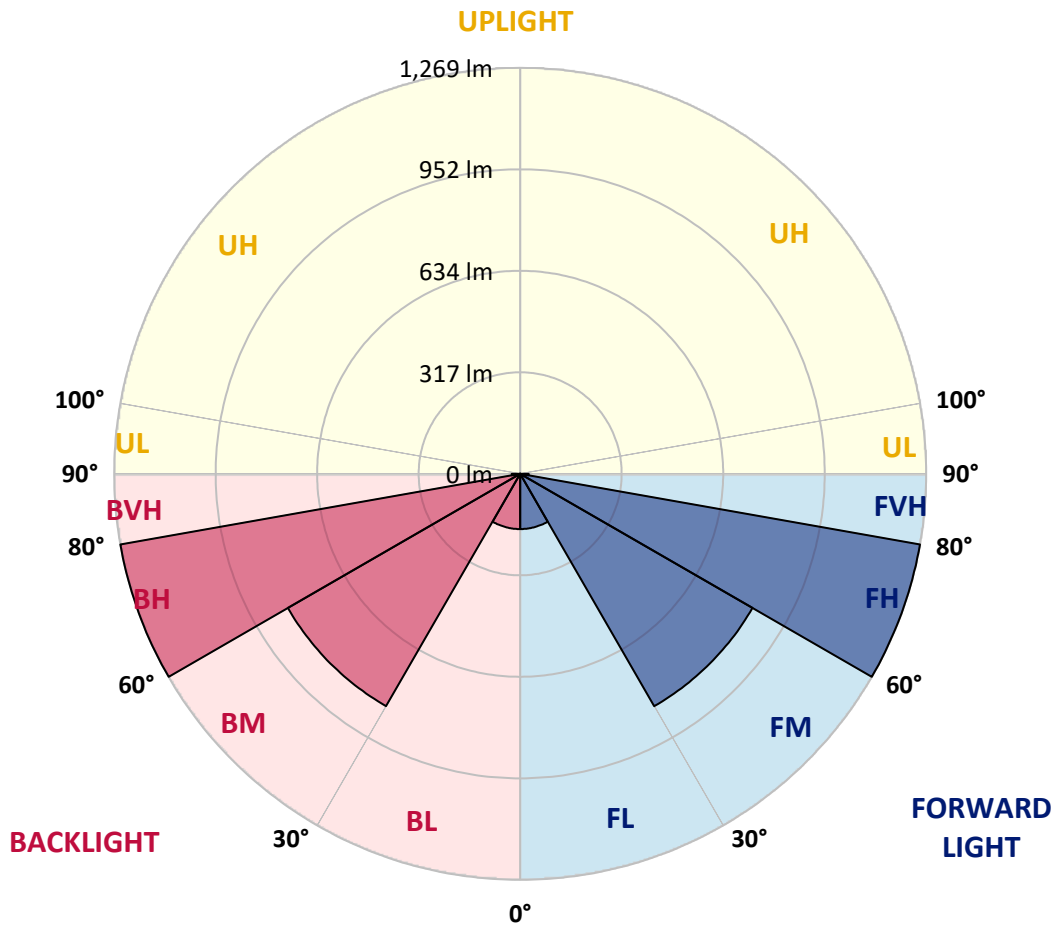
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	172.7	3.7			
FM (30°-60°)	838.5	18.2			
FH (60°-80°)	1269.0	27.5			G1/1800
FVH (80°-90°)	26.4	0.6			G1/100
BL (0°-30°)	172.7	3.7	B1/500		
BM (30°-60°)	838.5	18.2	B1/1000		
BH (60°-80°)	1269.0	27.5	B3/2500		G1/1800
BVH (80°-90°)	26.4	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°	420.8	420.8	420.8	420.8	420.8	420.8	420.8	420.8	420.8	420.8
2.5°	418.2	419.4	418.9	417.9	417.9	417.2	417.9	418.4	419.1	419.6
5°	412.6	413.6	413.4	412.6	412.9	412.2	412.6	413.4	413.8	414.1
7.5°	407.9	408.8	408.3	407.1	407.1	406.4	406.7	407.4	408.1	408.3
10°	406.7	407.6	406.2	404.3	403.5	402.6	402.8	403.5	405.0	405.7
12.5°	407.1	407.9	406.4	403.5	402.8	401.9	401.9	402.6	404.5	405.5
15°	408.6	409.3	407.1	404.0	403.3	402.6	402.3	403.3	405.5	407.1
17.5°	411.2	411.9	408.6	404.3	403.3	403.5	403.3	404.0	407.4	410.5
20°	413.6	414.1	409.5	404.3	403.3	403.5	403.3	404.7	409.0	413.4
22.5°	414.3	414.8	410.5	405.9	405.2	405.5	405.2	406.7	410.7	415.0
25°	414.6	415.3	411.9	408.3	409.5	410.0	409.5	409.8	412.9	416.7
27.5°	418.2	419.1	416.0	412.9	413.6	413.4	414.1	414.8	417.2	421.0
30°	425.6	426.3	423.7	420.6	420.1	418.4	420.6	423.0	425.6	429.0
32.5°	437.8	439.3	435.9	432.5	430.4	429.4	431.1	435.2	438.8	442.4
35°	458.2	459.2	456.0	449.8	446.0	446.0	447.4	452.7	458.4	463.0
37.5°	487.0	488.2	482.7	475.2	469.5	469.5	471.4	476.9	485.5	492.0
40°	522.0	523.7	516.7	509.0	503.5	502.6	505.0	511.2	519.3	527.5
42.5°	564.2	566.1	557.0	550.3	546.0	546.0	547.2	552.9	560.3	570.4
45°	618.1	621.5	609.0	602.3	598.2	599.2	599.9	604.9	611.7	623.2
47.5°	682.4	685.7	672.6	665.6	664.9	669.4	666.6	670.2	673.8	686.9
50°	755.3	761.0	751.9	751.4	752.9	761.3	754.6	756.5	752.4	760.8
52.5°	844.5	852.9	851.2	854.1	870.1	887.4	872.0	865.3	850.0	852.6
55°	952.6	965.3	967.7	985.0	1021.4	1056.7	1024.1	997.0	964.4	958.4
57.5°	1075.6	1085.7	1097.2	1132.4	1200.5	1263.1	1200.5	1140.6	1089.3	1077.1
60°	1208.0	1220.4	1231.5	1283.5	1384.7	1472.7	1382.8	1287.6	1219.7	1203.2
62.5°	1350.2	1366.2	1373.9	1431.7	1549.6	1654.7	1551.3	1436.0	1360.7	1343.0
65°	1486.6	1499.8	1508.4	1570.0	1682.7	1788.0	1690.4	1576.7	1499.3	1476.0
67.5°	1550.1	1557.3	1578.4	1648.2	1767.1	1887.2	1787.3	1655.6	1569.1	1528.3
70°	1457.1	1442.5	1493.3	1605.0	1777.2	1948.1	1800.2	1601.7	1495.7	1429.5
72.5°	1126.0	1100.8	1189.0	1380.1	1662.1	1909.3	1673.6	1390.9	1243.9	1109.7
75°	612.6	584.1	705.9	947.6	1325.5	1654.9	1355.9	974.7	786.0	608.1
77.5°	172.9	162.1	260.4	458.4	797.2	1161.9	827.9	468.5	308.8	183.2
80°	53.0	51.3	69.5	138.1	338.6	556.5	325.4	139.8	88.5	55.9
82.5°	31.4	28.8	34.5	50.4	86.3	174.8	83.9	52.5	42.2	28.3
85°	18.0	16.8	20.4	24.5	29.0	37.2	24.2	24.9	22.5	15.1
87.5°	7.4	6.7	7.9	7.7	6.7	8.6	6.5	7.7	9.1	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
420.8
419.4
414.1
408.3
405.7
405.7
407.4
410.5
413.6
415.0
416.5
420.1
428.2
440.9
461.3
489.6
524.9
569.7
622.7
683.1
755.8
843.8
949.0
1068.4
1188.8
1328.6
1464.5
1528.8
1445.3
1143.0
647.6
203.6
59.0
30.7
15.8
5.5
0.0

OF REPORT)