

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: P939050

Luminaire Tested: **GALN-SB1C-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939050
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-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6260 lumens
Efficiency: N/A
Efficacy: 115.1 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

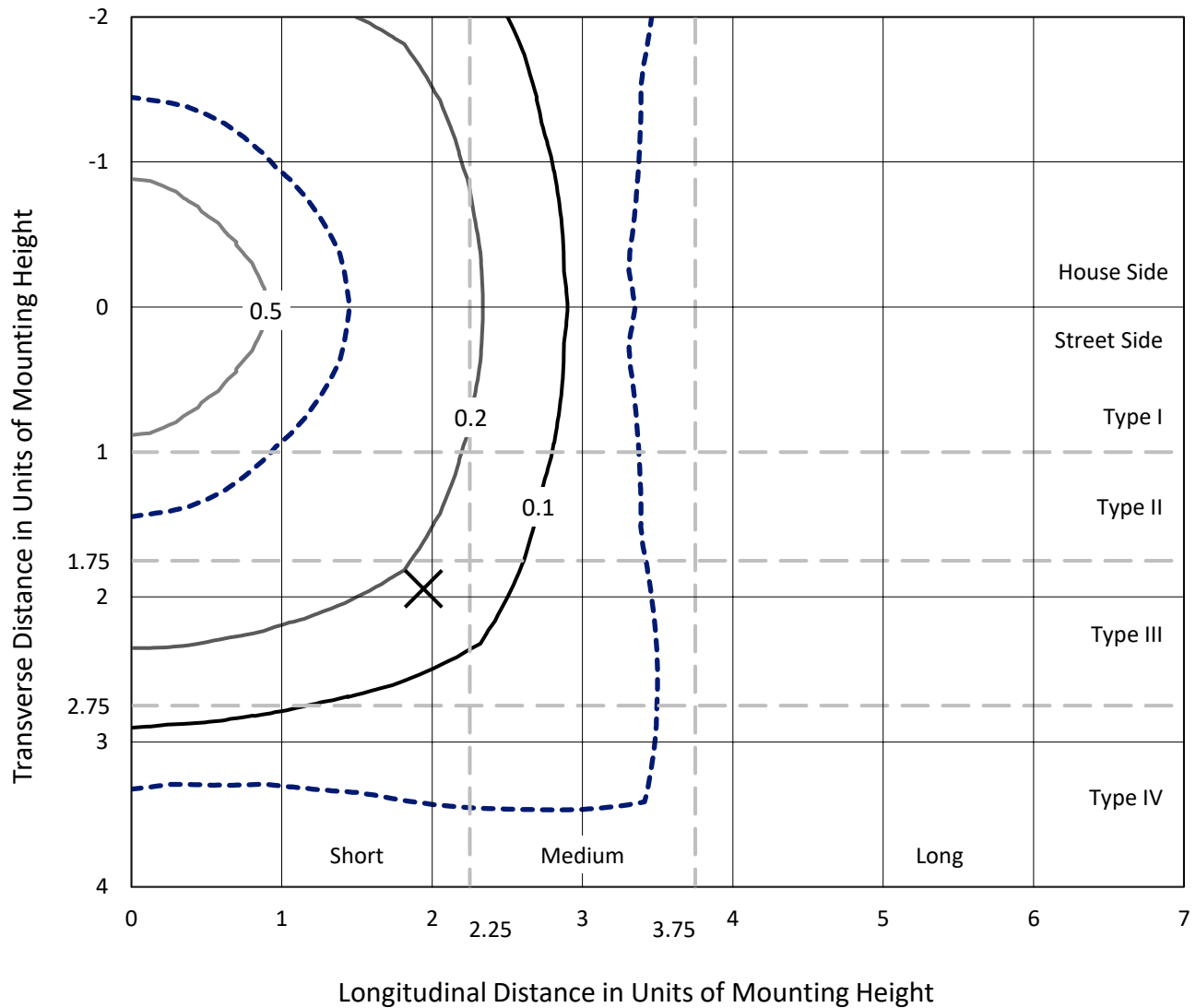


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

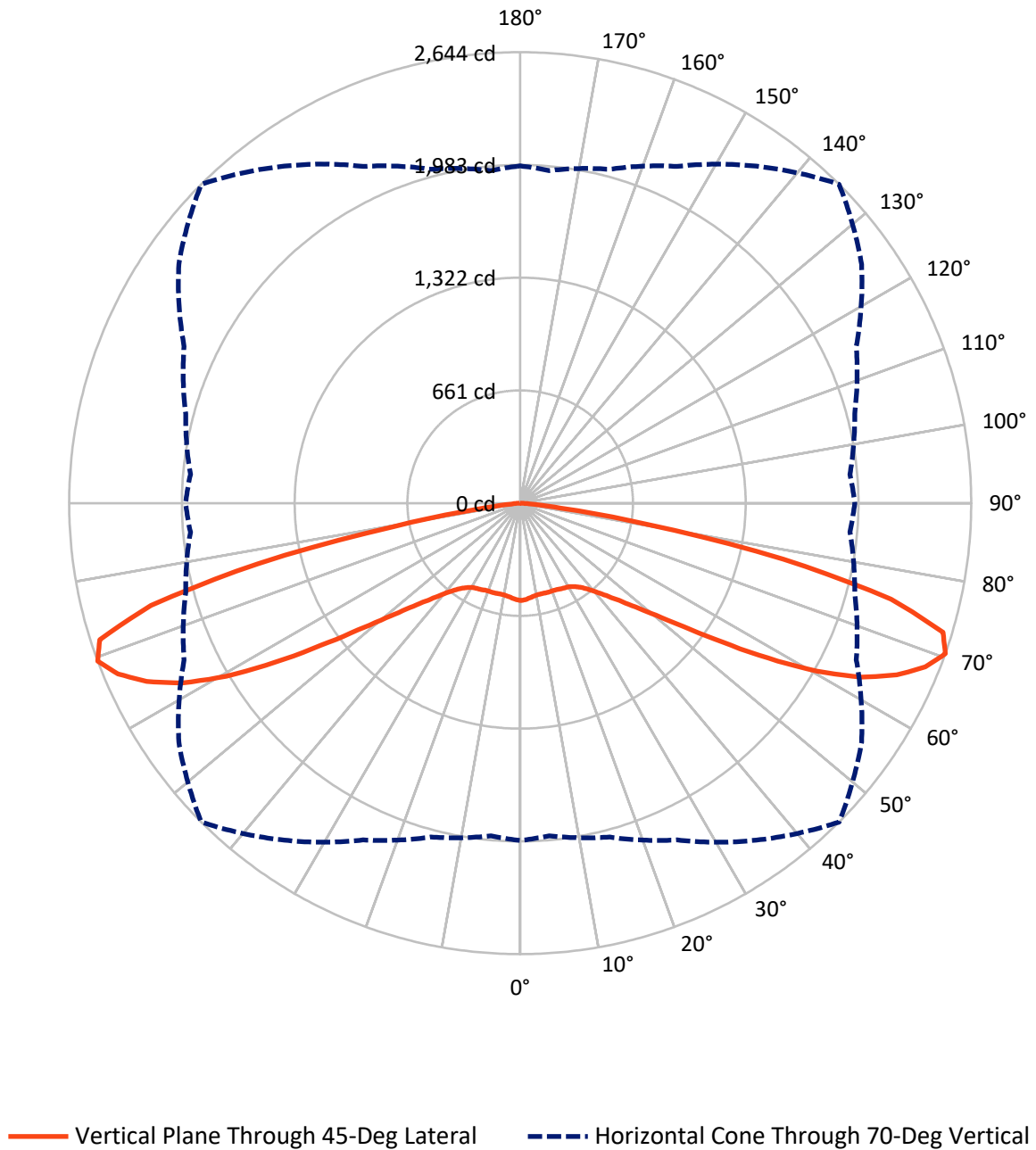


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3130.0	0.0	3130.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3130.0	0.0	3130.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6260.0	0.0	6260.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	0.8
10°-20°	156.0	2.5
20°-30°	259.6	4.1
30°-40°	392.5	6.3
40°-50°	652.3	10.4
50°-60°	1230.9	19.7
60°-70°	2078.4	33.2
70°-80°	1365.7	21.8
80°-90°	71.5	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°	6260.0	100.0
0°-180°	6260.0	100.0

Coefficient of Utilization



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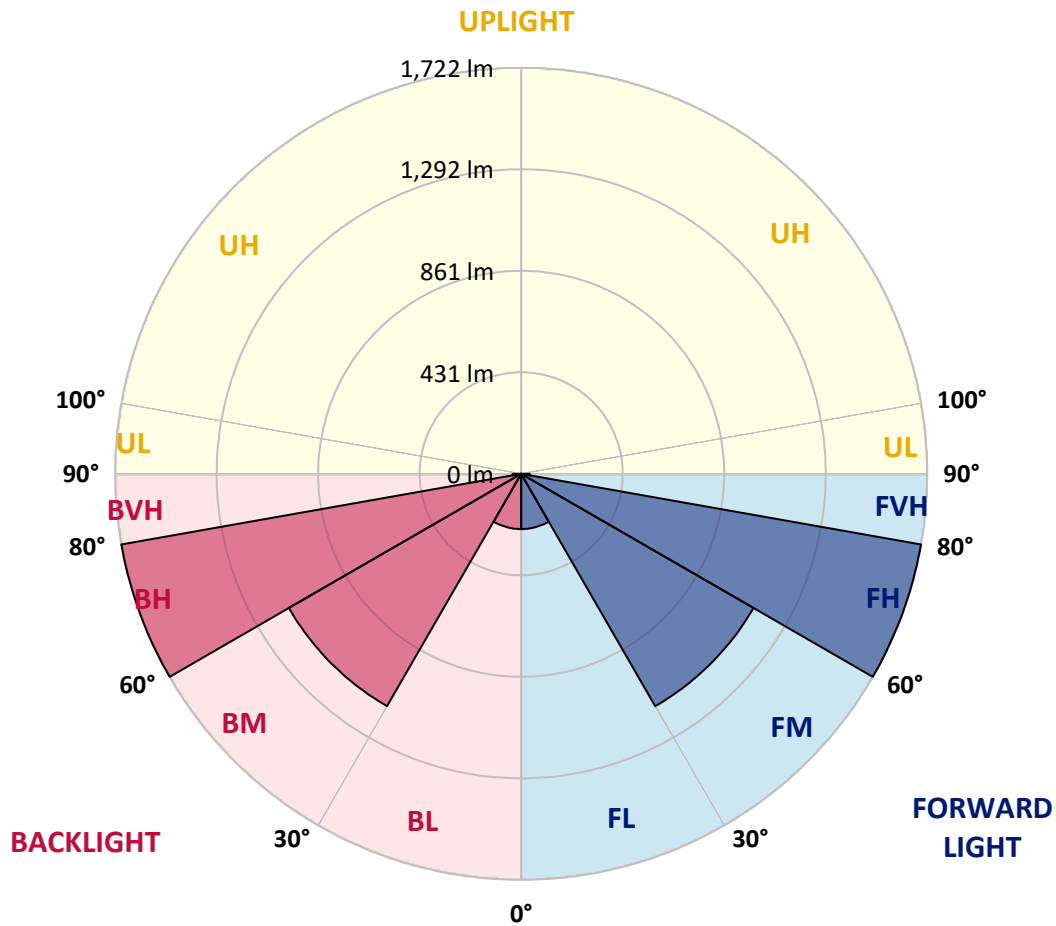
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	234.3	3.7			
FM	(30°-60°)	1137.9	18.2			
FH	(60°-80°)	1722.0	27.5			G1/1800
FVH	(80°-90°)	35.8	0.6			G1/100
BL	(0°-30°)	234.3	3.7	B1/500		
BM	(30°-60°)	1137.9	18.2	B2/2500		
BH	(60°-80°)	1722.0	27.5	B3/2500		G1/1800
BVH	(80°-90°)	35.8	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°	90°
0°	571.0	571.0	571.0	571.0	571.0	571.0	571.0	571.0	571.0	571.0	571.0
2.5°	567.5	569.1	568.4	567.1	567.1	566.2	567.1	567.8	568.8	569.4	569.1
5°	560.0	561.3	561.0	560.0	560.3	559.3	560.0	561.0	561.6	561.9	561.9
7.5°	553.5	554.8	554.1	552.5	552.5	551.5	551.8	552.8	553.8	554.1	554.1
10°	551.8	553.1	551.2	548.6	547.6	546.3	546.6	547.6	549.6	550.5	550.5
12.5°	552.5	553.5	551.5	547.6	546.6	545.3	545.3	546.3	548.9	550.2	550.5
15°	554.4	555.4	552.5	548.3	547.3	546.3	546.0	547.3	550.2	552.5	552.8
17.5°	558.0	559.0	554.4	548.6	547.3	547.6	547.3	548.3	552.8	557.0	557.0
20°	561.3	561.9	555.7	548.6	547.3	547.6	547.3	549.2	555.1	561.0	561.3
22.5°	562.3	562.9	557.0	550.9	549.9	550.2	549.9	551.8	557.4	563.2	563.2
25°	562.6	563.6	559.0	554.1	555.7	556.4	555.7	556.1	560.3	565.5	565.2
27.5°	567.5	568.8	564.5	560.3	561.3	561.0	561.9	562.9	566.2	571.4	570.1
30°	577.5	578.5	574.9	570.7	570.1	567.8	570.7	574.0	577.5	582.1	581.1
32.5°	594.1	596.1	591.5	587.0	584.1	582.8	585.0	590.6	595.4	600.3	598.4
35°	621.8	623.1	618.9	610.4	605.2	605.2	607.2	614.3	622.1	628.3	626.0
37.5°	660.8	662.5	655.0	644.9	637.1	637.1	639.7	647.2	658.9	667.7	664.4
40°	708.3	710.6	701.2	690.8	683.3	682.0	685.2	693.7	704.8	715.8	712.3
42.5°	765.6	768.2	755.9	746.7	740.9	740.9	742.5	750.3	760.4	774.1	773.1
45°	838.8	843.4	826.5	817.3	811.8	813.1	814.1	820.9	830.0	845.7	845.0
47.5°	926.0	930.6	912.7	903.2	902.3	908.5	904.6	909.4	914.3	932.2	927.0
50°	1024.9	1032.7	1020.4	1019.7	1021.7	1033.1	1024.0	1026.6	1021.0	1032.4	1025.6
52.5°	1146.0	1157.4	1155.1	1159.0	1180.8	1204.2	1183.4	1174.3	1153.5	1157.0	1145.0
55°	1292.7	1310.0	1313.2	1336.7	1386.1	1433.9	1389.7	1352.9	1308.7	1300.5	1287.8
57.5°	1459.6	1473.3	1488.9	1536.8	1629.2	1714.1	1629.2	1547.8	1478.2	1461.6	1449.9
60°	1639.3	1656.2	1671.1	1741.7	1879.1	1998.5	1876.5	1747.3	1655.2	1632.7	1613.2
62.5°	1832.2	1854.0	1864.4	1942.8	2102.9	2245.4	2105.2	1948.7	1846.5	1822.4	1802.9
65°	2017.3	2035.2	2047.0	2130.6	2283.5	2426.3	2293.9	2139.7	2034.6	2003.0	1987.4
67.5°	2103.6	2113.3	2142.0	2236.6	2398.0	2561.0	2425.4	2246.7	2129.3	2074.0	2074.6
70°	1977.3	1957.5	2026.5	2178.1	2411.7	2643.7	2442.9	2173.5	2029.7	1939.9	1961.4
72.5°	1528.0	1493.8	1613.5	1872.9	2255.5	2591.0	2271.1	1887.5	1688.1	1505.8	1551.1
75°	831.3	792.6	957.9	1285.9	1798.7	2245.8	1840.0	1322.7	1066.6	825.2	878.8
77.5°	234.6	220.0	353.4	622.1	1081.9	1576.8	1123.5	635.8	419.1	248.6	276.2
80°	71.9	69.6	94.4	187.4	459.4	755.2	441.5	189.7	120.1	75.8	80.0
82.5°	42.6	39.0	46.9	68.3	117.1	237.2	113.9	71.3	57.3	38.4	41.6
85°	24.4	22.8	27.7	33.2	39.4	50.4	32.9	33.8	30.6	20.5	21.5
87.5°	10.1	9.1	10.7	10.4	9.1	11.7	8.8	10.4	12.4	8.1	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)