

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: P939560

Luminaire Tested: **GALN-SB2B-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939560
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-SB2B-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9410 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 73.9
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



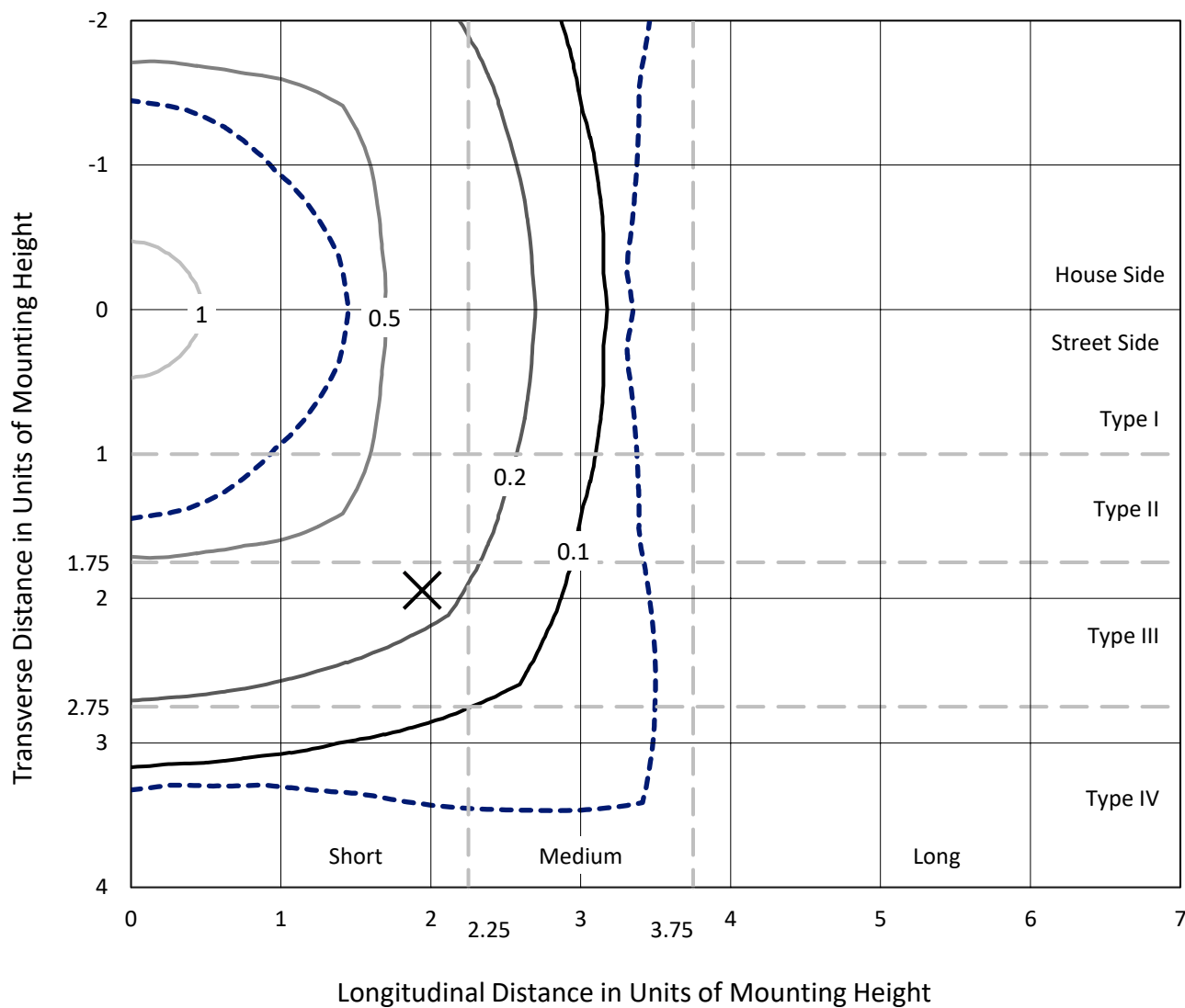
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

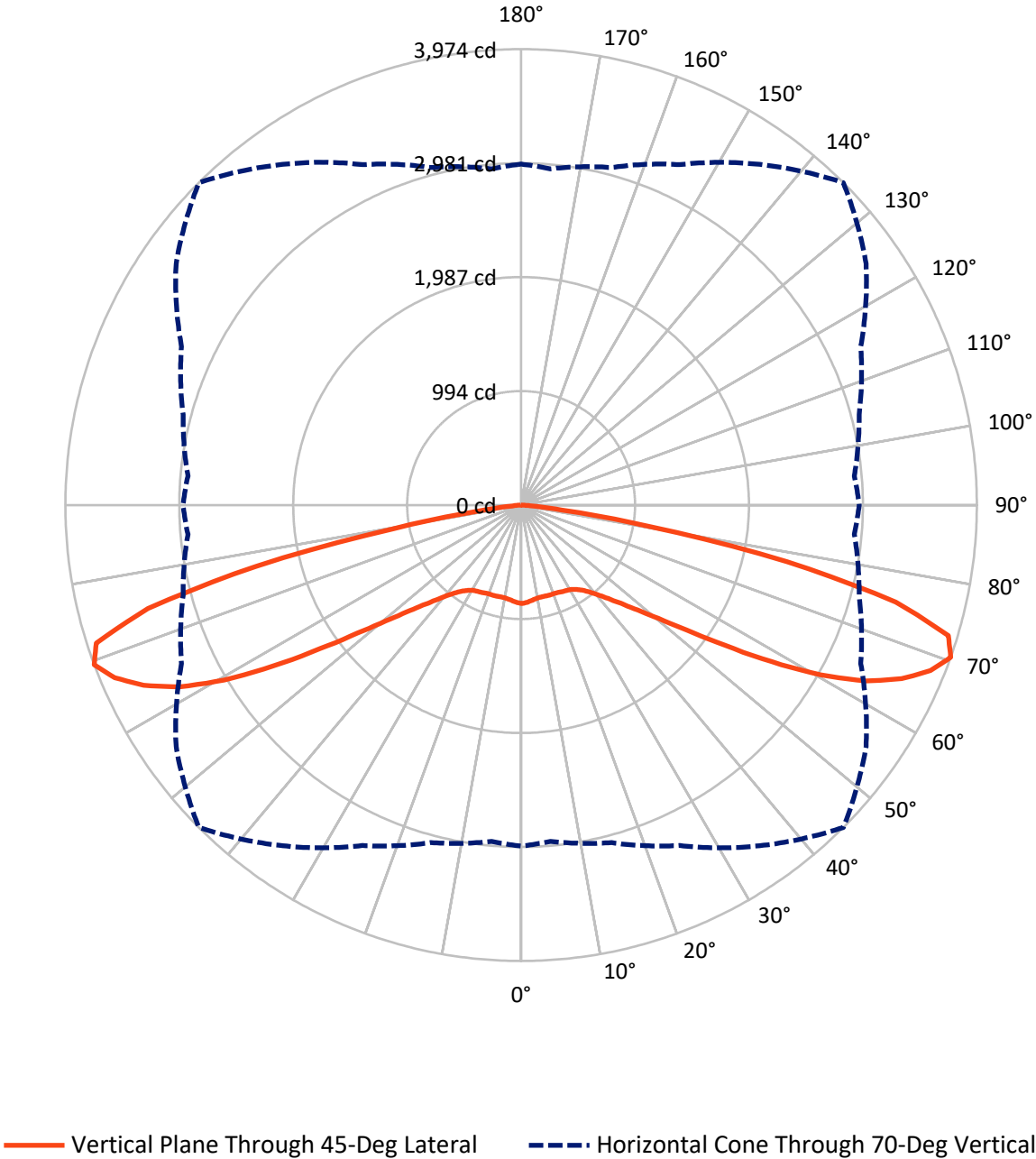
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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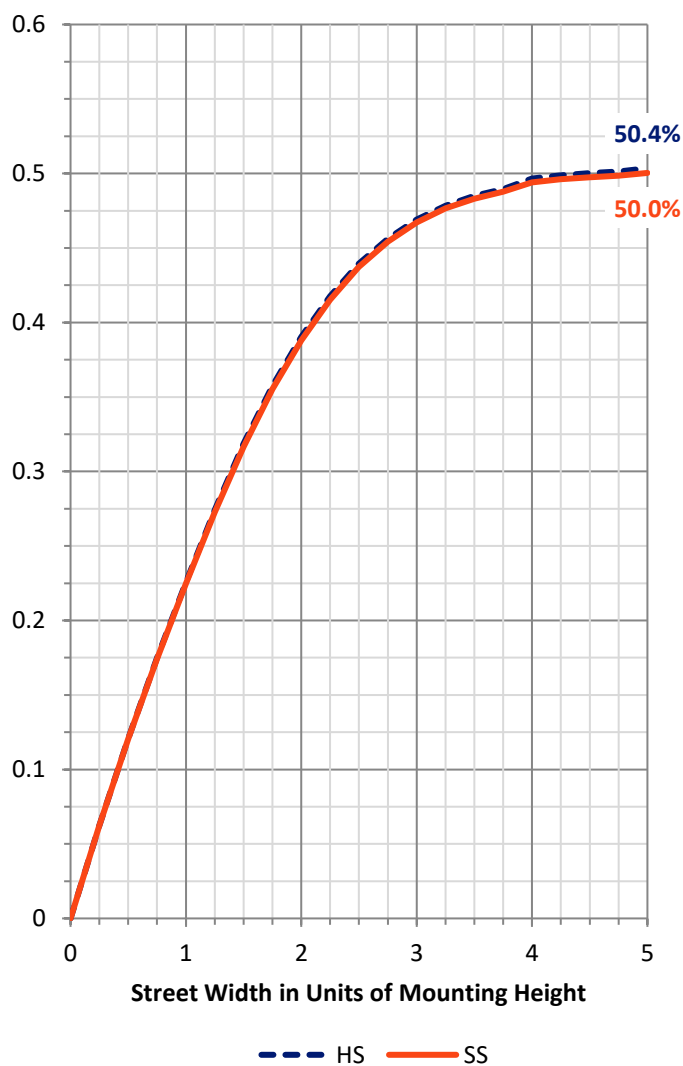
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4705.0	0.0	4705.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4705.0	0.0	4705.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9410.0	0.0	9410.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.8	0.8
10°-20°	234.5	2.5
20°-30°	390.2	4.1
30°-40°	590.1	6.3
40°-50°	980.5	10.4
50°-60°	1850.2	19.7
60°-70°	3124.2	33.2
70°-80°	2052.9	21.8
80°-90°	107.6	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°	9410.0	100.0
0°-180°	9410.0	100.0

Coefficient of Utilization



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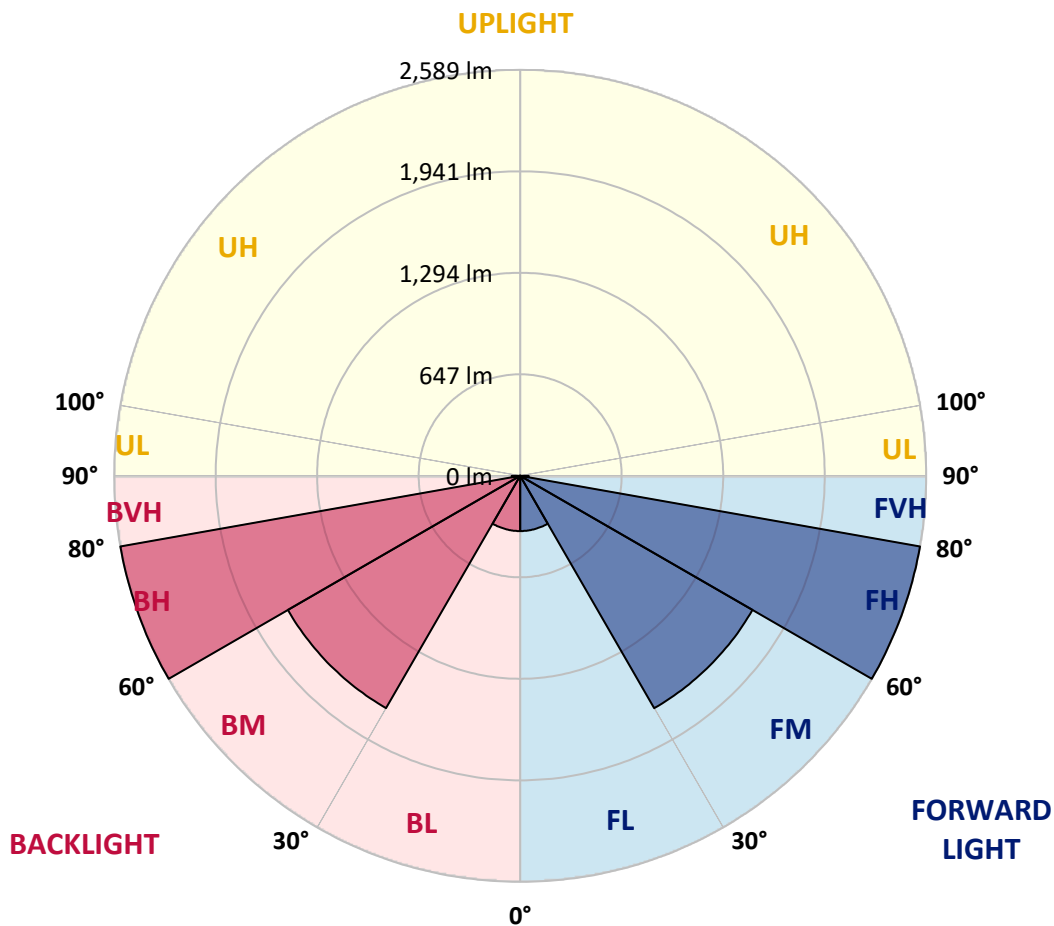
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	352.2	3.7			
FM	(30°-60°)	1710.4	18.2			
FH	(60°-80°)	2588.6	27.5			G2/5000
FVH	(80°-90°)	53.8	0.6			G1/100
BL	(0°-30°)	352.2	3.7	B1/500		
BM	(30°-60°)	1710.4	18.2	B2/2500		
BH	(60°-80°)	2588.6	27.5	B4/5000		G2/5000
BVH	(80°-90°)	53.8	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	858.4	858.4	858.4	858.4	858.4	858.4	858.4	858.4	858.4	858.4	858.4
2.5°	853.0	855.4	854.5	852.5	852.5	851.0	852.5	853.5	855.0	855.9	855.4
5°	841.8	843.7	843.2	841.8	842.2	840.8	841.8	843.2	844.2	844.7	844.7
7.5°	832.0	833.9	832.9	830.5	830.5	829.0	829.5	831.0	832.5	832.9	832.9
10°	829.5	831.5	828.5	824.6	823.2	821.2	821.7	823.2	826.1	827.6	827.6
12.5°	830.5	832.0	829.0	823.2	821.7	819.7	819.7	821.2	825.1	827.1	827.6
15°	833.4	834.9	830.5	824.1	822.7	821.2	820.7	822.7	827.1	830.5	831.0
17.5°	838.8	840.3	833.4	824.6	822.7	823.2	822.7	824.1	831.0	837.3	837.3
20°	843.7	844.7	835.4	824.6	822.7	823.2	822.7	825.6	834.4	843.2	843.7
22.5°	845.2	846.2	837.3	828.1	826.6	827.1	826.6	829.5	837.8	846.6	846.6
25°	845.7	847.1	840.3	832.9	835.4	836.4	835.4	835.9	842.2	850.1	849.6
27.5°	853.0	855.0	848.6	842.2	843.7	843.2	844.7	846.2	851.0	858.9	856.9
30°	868.2	869.6	864.3	857.9	856.9	853.5	857.9	862.8	868.2	875.0	873.5
32.5°	893.1	896.0	889.2	882.3	877.9	876.0	879.4	887.7	895.1	902.4	899.5
35°	934.7	936.6	930.3	917.6	909.7	909.7	912.7	923.4	935.2	944.5	941.0
37.5°	993.4	995.8	984.6	969.4	957.7	957.7	961.6	972.8	990.4	1003.6	998.8
40°	1064.8	1068.2	1054.0	1038.4	1027.1	1025.2	1030.1	1042.8	1059.4	1076.0	1070.7
42.5°	1150.9	1154.8	1136.2	1122.5	1113.7	1113.7	1116.1	1127.9	1143.0	1163.6	1162.1
45°	1260.9	1267.8	1242.3	1228.6	1220.3	1222.3	1223.7	1234.0	1247.7	1271.2	1270.2
47.5°	1392.0	1398.8	1371.9	1357.8	1356.3	1365.6	1359.7	1367.1	1374.4	1401.3	1393.5
50°	1540.7	1552.4	1533.8	1532.9	1535.8	1552.9	1539.2	1543.1	1534.8	1551.9	1541.7
52.5°	1722.6	1739.8	1736.3	1742.2	1775.0	1810.2	1778.9	1765.2	1733.9	1739.3	1721.2
55°	1943.2	1969.1	1974.0	2009.2	2083.6	2155.5	2089.0	2033.7	1967.2	1955.0	1935.9
57.5°	2194.1	2214.7	2238.2	2310.0	2449.0	2576.6	2449.0	2326.7	2222.0	2197.1	2179.5
60°	2464.1	2489.6	2512.0	2618.2	2824.6	3004.1	2820.7	2626.5	2488.1	2454.3	2425.0
62.5°	2754.2	2786.9	2802.6	2920.5	3161.1	3375.3	3164.5	2929.3	2775.7	2739.5	2710.1
65°	3032.5	3059.4	3077.0	3202.7	3432.5	3647.3	3448.2	3216.4	3058.4	3010.9	2987.5
67.5°	3162.1	3176.7	3219.8	3362.1	3604.7	3849.8	3645.8	3377.3	3200.7	3117.6	3118.5
70°	2972.3	2942.5	3046.2	3274.1	3625.3	3974.0	3672.2	3267.2	3051.0	2916.1	2948.3
72.5°	2296.8	2245.5	2425.5	2815.3	3390.5	3894.8	3414.0	2837.3	2537.5	2263.6	2331.6
75°	1249.7	1191.5	1439.9	1932.9	2703.8	3375.8	2765.9	1988.2	1603.3	1240.4	1321.1
77.5°	352.6	330.6	531.2	935.2	1626.3	2370.2	1688.9	955.7	630.0	373.7	415.3
80°	108.1	104.7	141.8	281.7	690.6	1135.2	663.7	285.1	180.5	114.0	120.3
82.5°	64.1	58.7	70.4	102.7	176.1	356.6	171.2	107.1	86.1	57.7	62.6
85°	36.7	34.2	41.6	49.9	59.2	75.8	49.4	50.9	46.0	30.8	32.3
87.5°	15.2	13.7	16.1	15.7	13.7	17.6	13.2	15.7	18.6	12.2	11.2
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)