

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: P939390

Luminaire Tested: **GALN-SB2A-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939390
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-SB2A-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7496 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

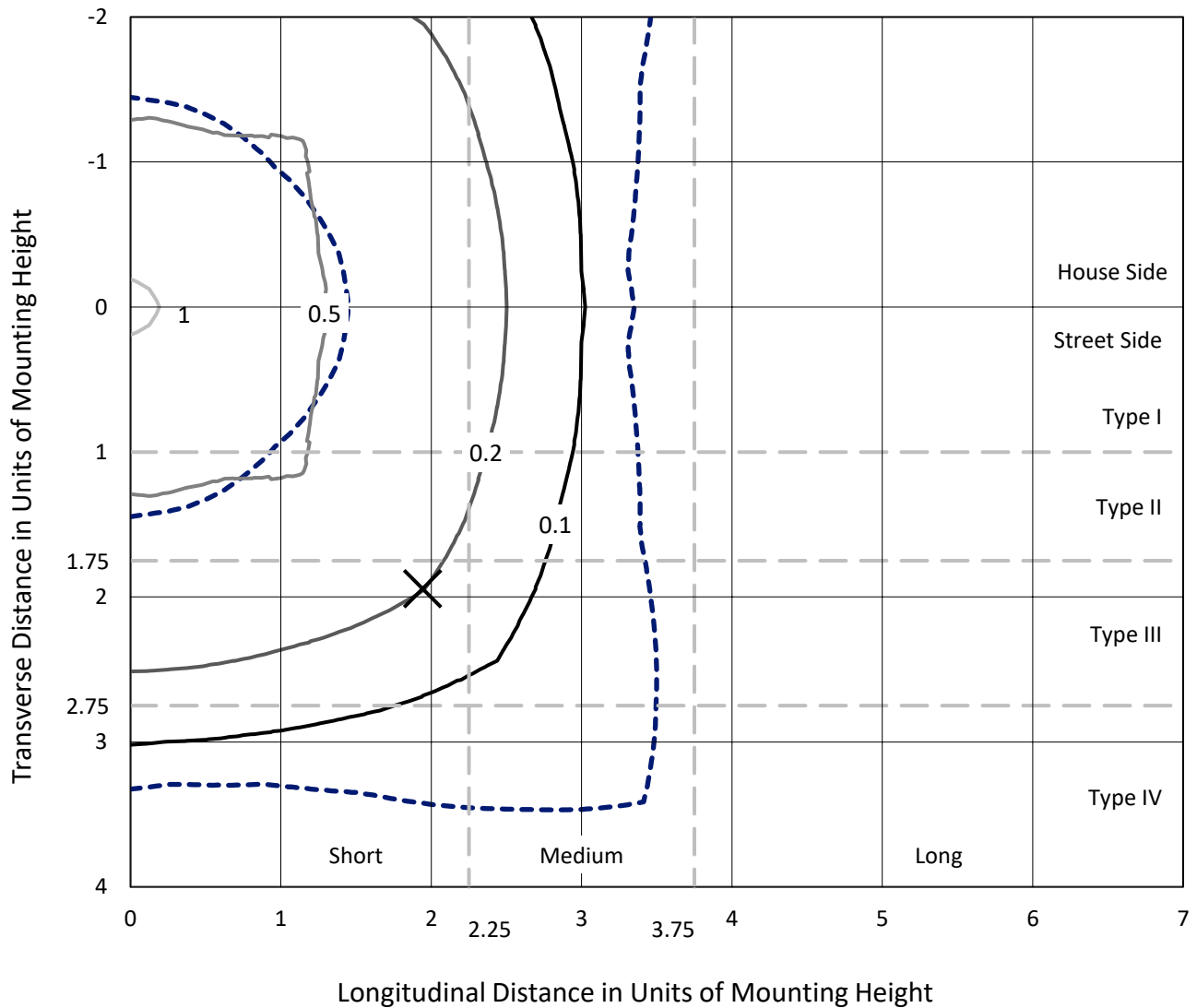
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

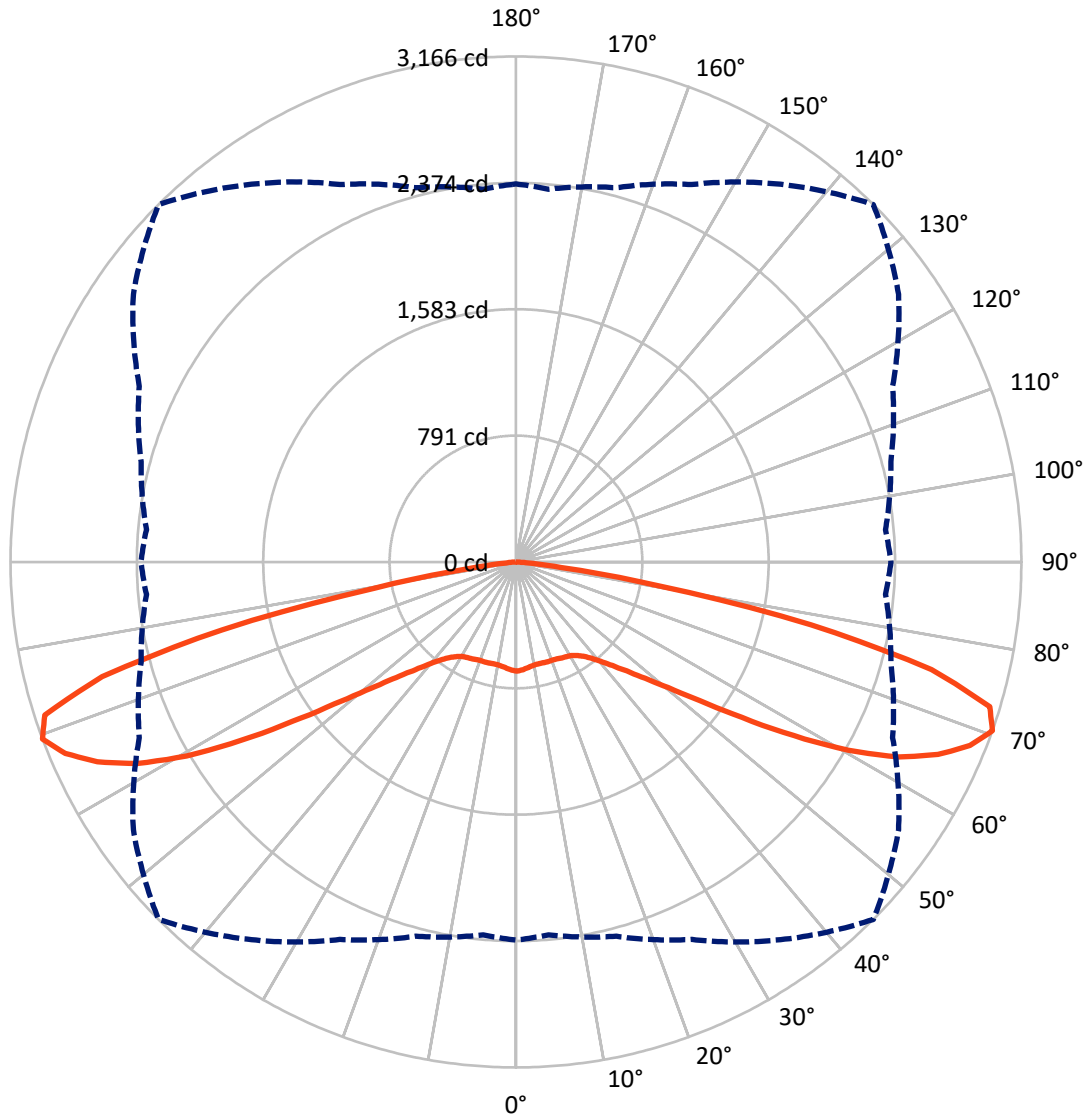
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	3748.0	0.0	3748.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3748.0	0.0	3748.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7496.0	0.0	7496.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.6	0.8
10°-20°	186.8	2.5
20°-30°	310.8	4.1
30°-40°	470.0	6.3
40°-50°	781.1	10.4
50°-60°	1473.9	19.7
60°-70°	2488.7	33.2
70°-80°	1635.4	21.8
80°-90°	85.7	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°	7496.0	100.0
0°-180°	7496.0	100.0

Coefficient of Utilization



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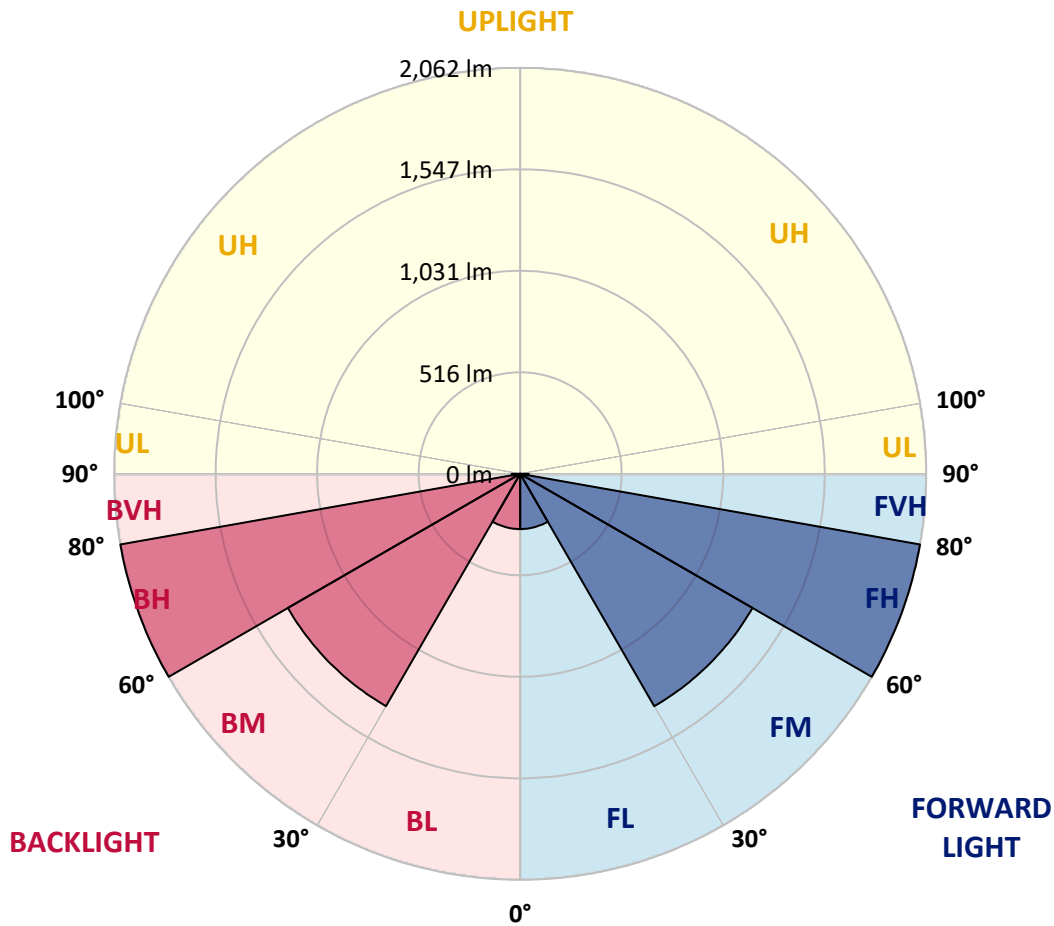
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	280.6	3.7			
FM (30°-60°)	1362.5	18.2			
FH (60°-80°)	2062.1	27.5			G2/5000
FVH (80°-90°)	42.8	0.6			G1/100
BL (0°-30°)	280.6	3.7	B1/500		
BM (30°-60°)	1362.5	18.2	B2/2500		
BH (60°-80°)	2062.1	27.5	B3/2500		G2/5000
BVH (80°-90°)	42.8	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-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	683.8	683.8	683.8	683.8	683.8	683.8	683.8	683.8	683.8	683.8	683.8
2.5°	679.5	681.4	680.7	679.1	679.1	677.9	679.1	679.9	681.1	681.8	681.4
5°	670.5	672.1	671.7	670.5	670.9	669.8	670.5	671.7	672.5	672.9	672.9
7.5°	662.7	664.3	663.5	661.6	661.6	660.4	660.8	662.0	663.1	663.5	663.5
10°	660.8	662.4	660.0	656.9	655.7	654.2	654.6	655.7	658.1	659.2	659.2
12.5°	661.6	662.7	660.4	655.7	654.6	653.0	653.0	654.2	657.3	658.9	659.2
15°	663.9	665.1	661.6	656.5	655.3	654.2	653.8	655.3	658.9	661.6	662.0
17.5°	668.2	669.4	663.9	656.9	655.3	655.7	655.3	656.5	662.0	667.0	667.0
20°	672.1	672.9	665.5	656.9	655.3	655.7	655.3	657.7	664.7	671.7	672.1
22.5°	673.3	674.0	667.0	659.6	658.5	658.9	658.5	660.8	667.4	674.4	674.4
25°	673.7	674.8	669.4	663.5	665.5	666.3	665.5	665.9	670.9	677.2	676.8
27.5°	679.5	681.1	676.0	670.9	672.1	671.7	672.9	674.0	677.9	684.2	682.6
30°	691.6	692.7	688.5	683.4	682.6	679.9	683.4	687.3	691.6	697.0	695.9
32.5°	711.4	713.8	708.3	702.9	699.4	697.8	700.5	707.2	713.0	718.9	716.5
35°	744.6	746.1	741.1	730.9	724.7	724.7	727.0	735.6	745.0	752.4	749.6
37.5°	791.3	793.3	784.3	772.2	762.9	762.9	766.0	775.0	789.0	799.5	795.6
40°	848.2	850.9	839.6	827.2	818.2	816.6	820.5	830.7	843.9	857.2	852.9
42.5°	916.8	919.9	905.1	894.2	887.2	887.2	889.1	898.5	910.5	926.9	925.7
45°	1004.4	1009.9	989.6	978.7	972.1	973.7	974.8	983.0	993.9	1012.6	1011.8
47.5°	1108.9	1114.3	1092.9	1081.6	1080.4	1087.8	1083.1	1089.0	1094.8	1116.3	1110.0
50°	1227.3	1236.7	1221.9	1221.1	1223.4	1237.0	1226.1	1229.3	1222.6	1236.3	1228.1
52.5°	1372.2	1385.9	1383.2	1387.8	1413.9	1442.0	1417.1	1406.1	1381.2	1385.5	1371.1
55°	1548.0	1568.6	1572.5	1600.6	1659.8	1717.1	1664.1	1620.0	1567.1	1557.3	1542.1
57.5°	1747.8	1764.2	1782.9	1840.2	1950.8	2052.5	1950.8	1853.4	1770.1	1750.2	1736.2
60°	1962.9	1983.2	2001.1	2085.6	2250.1	2393.1	2246.9	2092.3	1982.0	1955.1	1931.7
62.5°	2194.0	2220.1	2232.5	2326.4	2518.1	2688.8	2520.9	2333.4	2211.1	2182.3	2158.9
65°	2415.7	2437.1	2451.1	2551.2	2734.4	2905.4	2746.8	2562.2	2436.3	2398.5	2379.8
67.5°	2518.9	2530.6	2564.9	2678.3	2871.5	3066.7	2904.2	2690.3	2549.7	2483.4	2484.2
70°	2367.7	2344.0	2426.6	2608.1	2887.9	3165.7	2925.3	2602.7	2430.5	2322.9	2348.6
72.5°	1829.7	1788.8	1932.1	2242.7	2700.9	3102.6	2719.6	2260.2	2021.4	1803.2	1857.3
75°	995.5	949.1	1147.0	1539.8	2153.8	2689.2	2203.3	1583.8	1277.2	988.1	1052.4
77.5°	280.9	263.4	423.1	745.0	1295.5	1888.1	1345.4	761.3	501.8	297.7	330.8
80°	86.1	83.4	113.0	224.4	550.1	904.3	528.7	227.1	143.8	90.8	95.8
82.5°	51.0	46.8	56.1	81.8	140.3	284.0	136.4	85.3	68.6	46.0	49.9
85°	29.2	27.3	33.1	39.7	47.1	60.4	39.4	40.5	36.6	24.5	25.7
87.5°	12.1	10.9	12.9	12.5	10.9	14.0	10.5	12.5	14.8	9.7	9.0
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)