

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: P940070

Luminaire Tested: **GALN-SB3A-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940070
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-SB3A-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 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: 11246 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 84.7
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



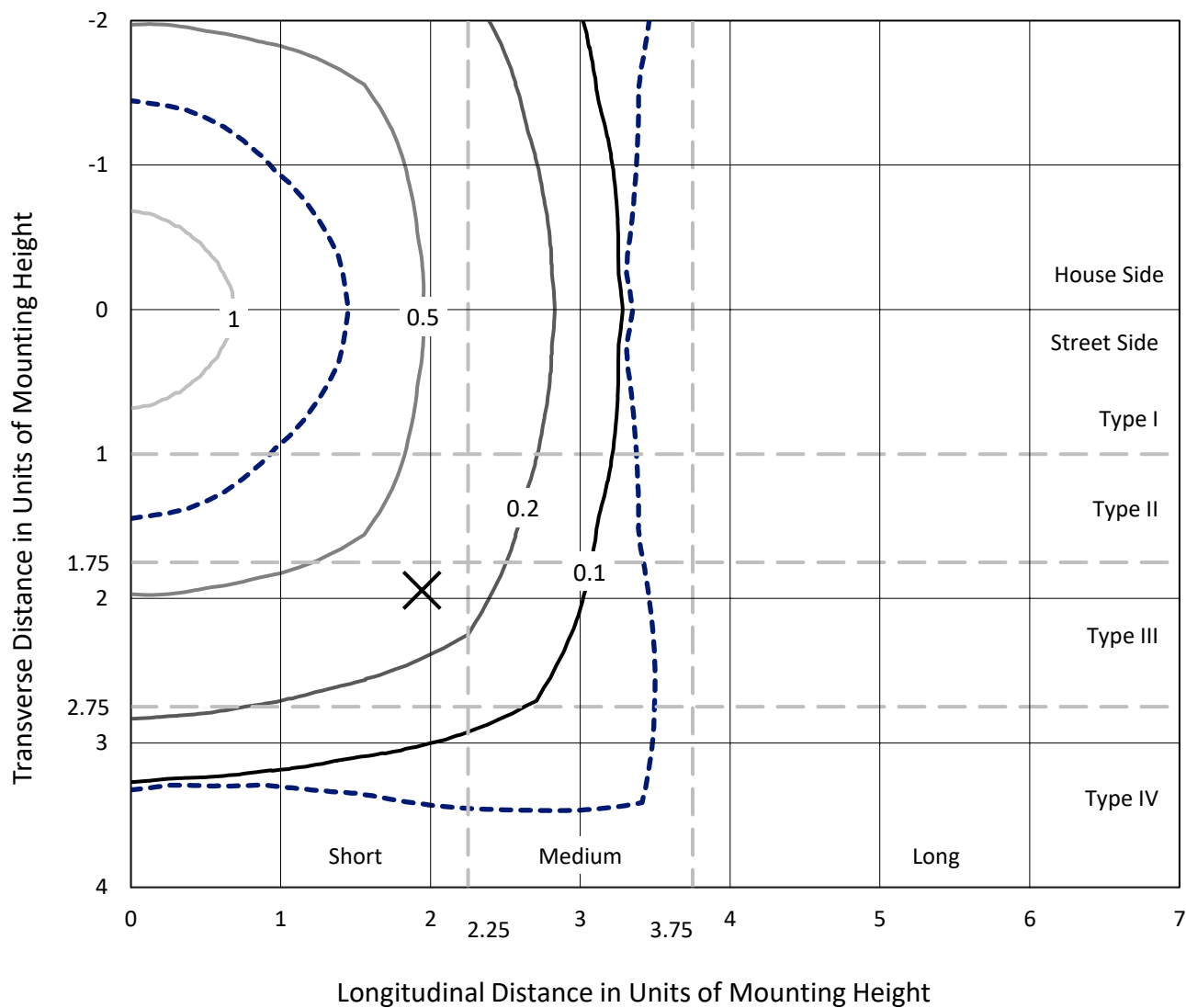
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

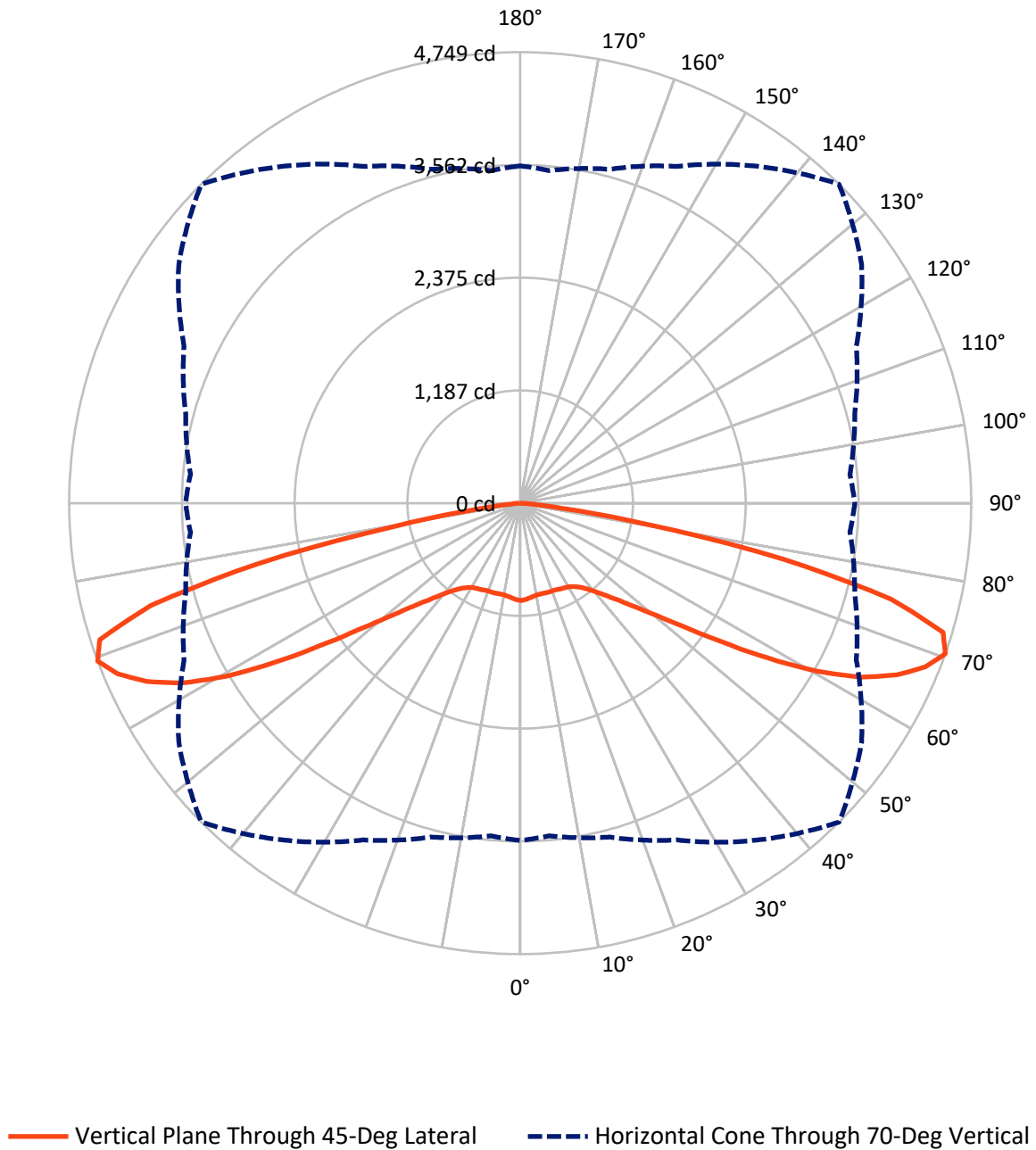


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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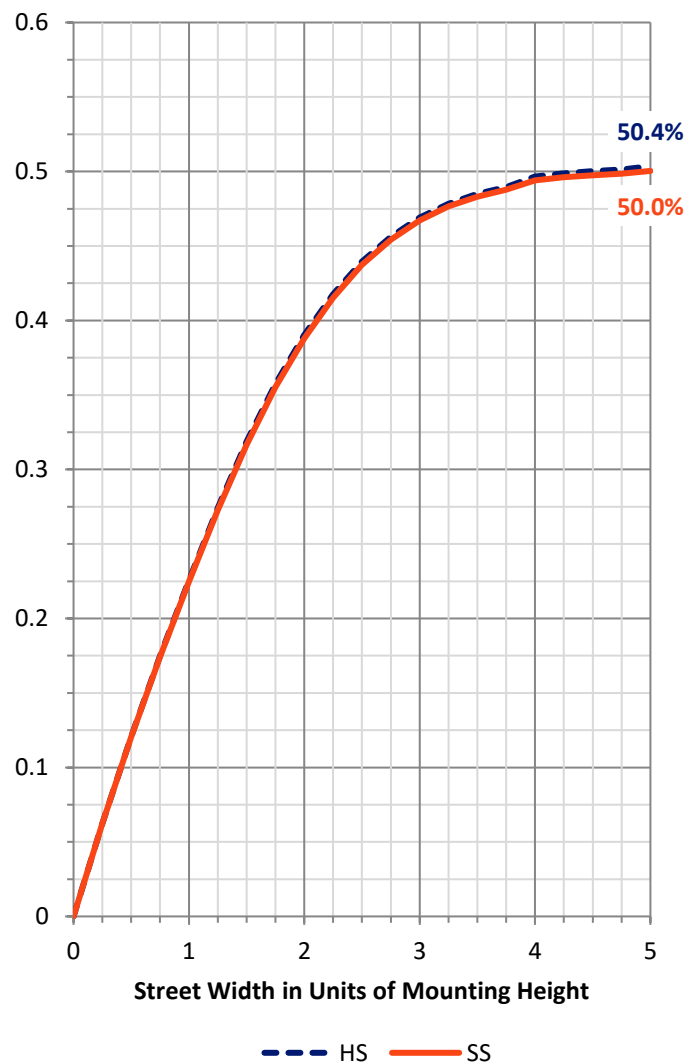
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5623.0	0.0	5623.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5623.0	0.0	5623.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11246.0	0.0	11246.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	0.8
10°-20°	280.2	2.5
20°-30°	466.3	4.1
30°-40°	705.2	6.3
40°-50°	1171.8	10.4
50°-60°	2211.2	19.7
60°-70°	3733.8	33.2
70°-80°	2453.5	21.8
80°-90°	128.5	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°	11246.0	100.0
0°-180°	11246.0	100.0

Coefficient of Utilization



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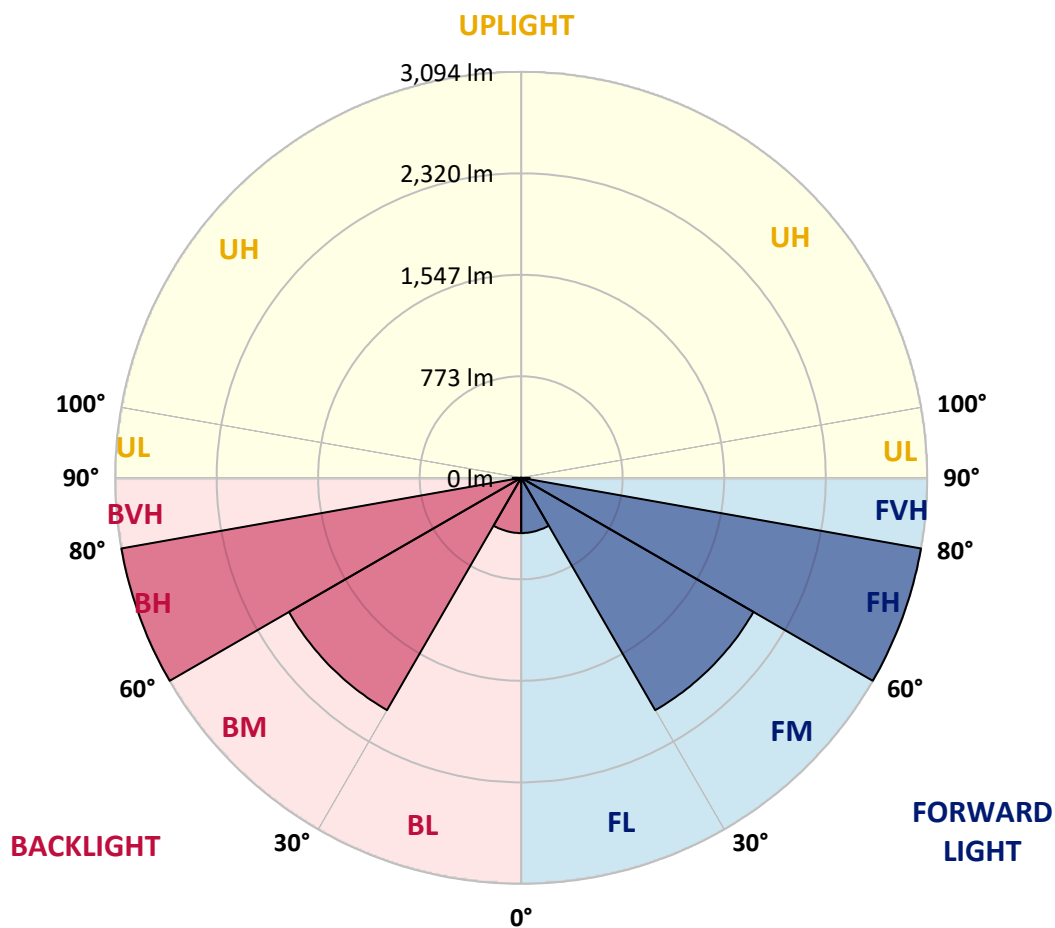
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	421.0	3.7			
FM	(30°-60°)	2044.1	18.2			
FH	(60°-80°)	3093.6	27.5			G2/5000
FVH	(80°-90°)	64.3	0.6			G1/100
BL	(0°-30°)	421.0	3.7	B1/500		
BM	(30°-60°)	2044.1	18.2	B2/2500		
BH	(60°-80°)	3093.6	27.5	B4/5000		G2/5000
BVH	(80°-90°)	64.3	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°	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9
2.5°	1019.4	1022.4	1021.2	1018.8	1018.8	1017.1	1018.8	1020.0	1021.8	1022.9	1022.4
5°	1006.0	1008.3	1007.7	1006.0	1006.6	1004.8	1006.0	1007.7	1008.9	1009.5	1009.5
7.5°	994.3	996.6	995.5	992.5	992.5	990.8	991.4	993.1	994.9	995.5	995.5
10°	991.4	993.7	990.2	985.5	983.8	981.4	982.0	983.8	987.3	989.0	989.0
12.5°	992.5	994.3	990.8	983.8	982.0	979.7	979.7	981.4	986.1	988.5	989.0
15°	996.1	997.8	992.5	984.9	983.2	981.4	980.9	983.2	988.5	992.5	993.1
17.5°	1002.5	1004.2	996.1	985.5	983.2	983.8	983.2	984.9	993.1	1000.7	1000.7
20°	1008.3	1009.5	998.4	985.5	983.2	983.8	983.2	986.7	997.2	1007.7	1008.3
22.5°	1010.1	1011.2	1000.7	989.6	987.9	988.5	987.9	991.4	1001.3	1011.8	1011.8
25°	1010.7	1012.4	1004.2	995.5	998.4	999.6	998.4	999.0	1006.6	1015.9	1015.3
27.5°	1019.4	1021.8	1014.2	1006.6	1008.3	1007.7	1009.5	1011.2	1017.1	1026.4	1024.1
30°	1037.6	1039.3	1032.9	1025.3	1024.1	1020.0	1025.3	1031.1	1037.6	1045.7	1044.0
32.5°	1067.4	1070.9	1062.7	1054.5	1049.2	1046.9	1051.0	1060.9	1069.7	1078.5	1075.0
35°	1117.0	1119.4	1111.8	1096.6	1087.2	1087.2	1090.7	1103.6	1117.6	1128.7	1124.6
37.5°	1187.2	1190.1	1176.7	1158.6	1144.5	1144.5	1149.2	1162.6	1183.7	1199.5	1193.6
40°	1272.5	1276.6	1259.7	1241.0	1227.5	1225.2	1231.0	1246.2	1266.1	1286.0	1279.6
42.5°	1375.4	1380.1	1357.9	1341.5	1331.0	1331.0	1333.9	1347.9	1366.1	1390.6	1388.9
45°	1506.9	1515.1	1484.7	1468.4	1458.4	1460.8	1462.5	1474.8	1491.2	1519.2	1518.0
47.5°	1663.6	1671.8	1639.6	1622.7	1620.9	1632.0	1625.0	1633.8	1642.5	1674.7	1665.3
50°	1841.3	1855.3	1833.1	1831.9	1835.4	1855.9	1839.5	1844.2	1834.3	1854.7	1842.5
52.5°	2058.7	2079.2	2075.1	2082.1	2121.3	2163.4	2126.0	2109.6	2072.2	2078.6	2057.0
55°	2322.4	2353.3	2359.2	2401.3	2490.1	2576.1	2496.6	2430.5	2351.0	2336.4	2313.6
57.5°	2622.2	2646.8	2674.8	2760.8	2926.8	3079.3	2926.8	2780.6	2655.5	2625.7	2604.7
60°	2944.9	2975.3	3002.2	3129.0	3375.7	3590.2	3371.0	3139.0	2973.5	2933.2	2898.1
62.5°	3291.5	3330.7	3349.4	3490.3	3777.9	4033.9	3782.0	3500.8	3317.2	3274.0	3238.9
65°	3624.1	3656.3	3677.3	3827.5	4102.3	4358.9	4121.0	3843.9	3655.1	3598.4	3570.3
67.5°	3779.0	3796.6	3848.0	4018.1	4308.0	4600.9	4357.1	4036.2	3825.2	3725.8	3727.0
70°	3552.2	3516.6	3640.5	3912.9	4332.6	4749.4	4388.7	3904.7	3646.3	3485.0	3523.6
72.5°	2745.0	2683.6	2898.7	3364.6	4052.0	4654.7	4080.1	3390.9	3032.6	2705.2	2786.5
75°	1493.5	1423.9	1720.9	2310.1	3231.3	4034.5	3305.6	2376.1	1916.1	1482.4	1578.8
77.5°	421.5	395.1	634.8	1117.6	1943.6	2832.7	2018.4	1142.2	752.9	446.6	496.3
80°	129.2	125.1	169.5	336.7	825.4	1356.7	793.2	340.8	215.7	136.2	143.8
82.5°	76.6	70.1	84.2	122.8	210.4	426.1	204.6	128.0	102.9	69.0	74.8
85°	43.8	40.9	49.7	59.6	70.7	90.6	59.0	60.8	54.9	36.8	38.6
87.5°	18.1	16.4	19.3	18.7	16.4	21.0	15.8	18.7	22.2	14.6	13.4
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)