

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: P955901

Luminaire Tested: **GALN-SB8D-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB8D-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 69997 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 584.9
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

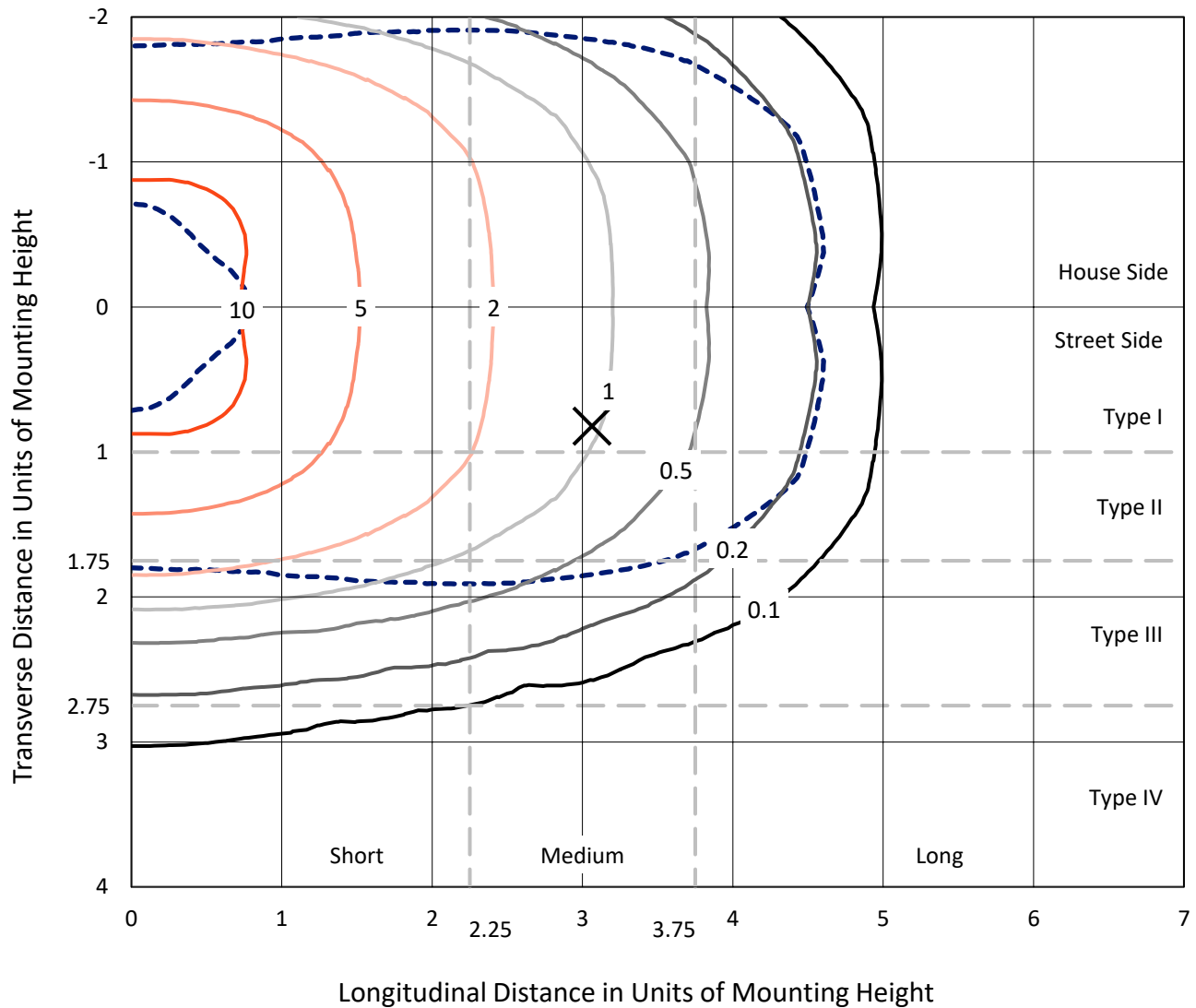


REPORT NUMBER: P955901

CATALOG NUMBER: GALN-SB8D-722-U-RW

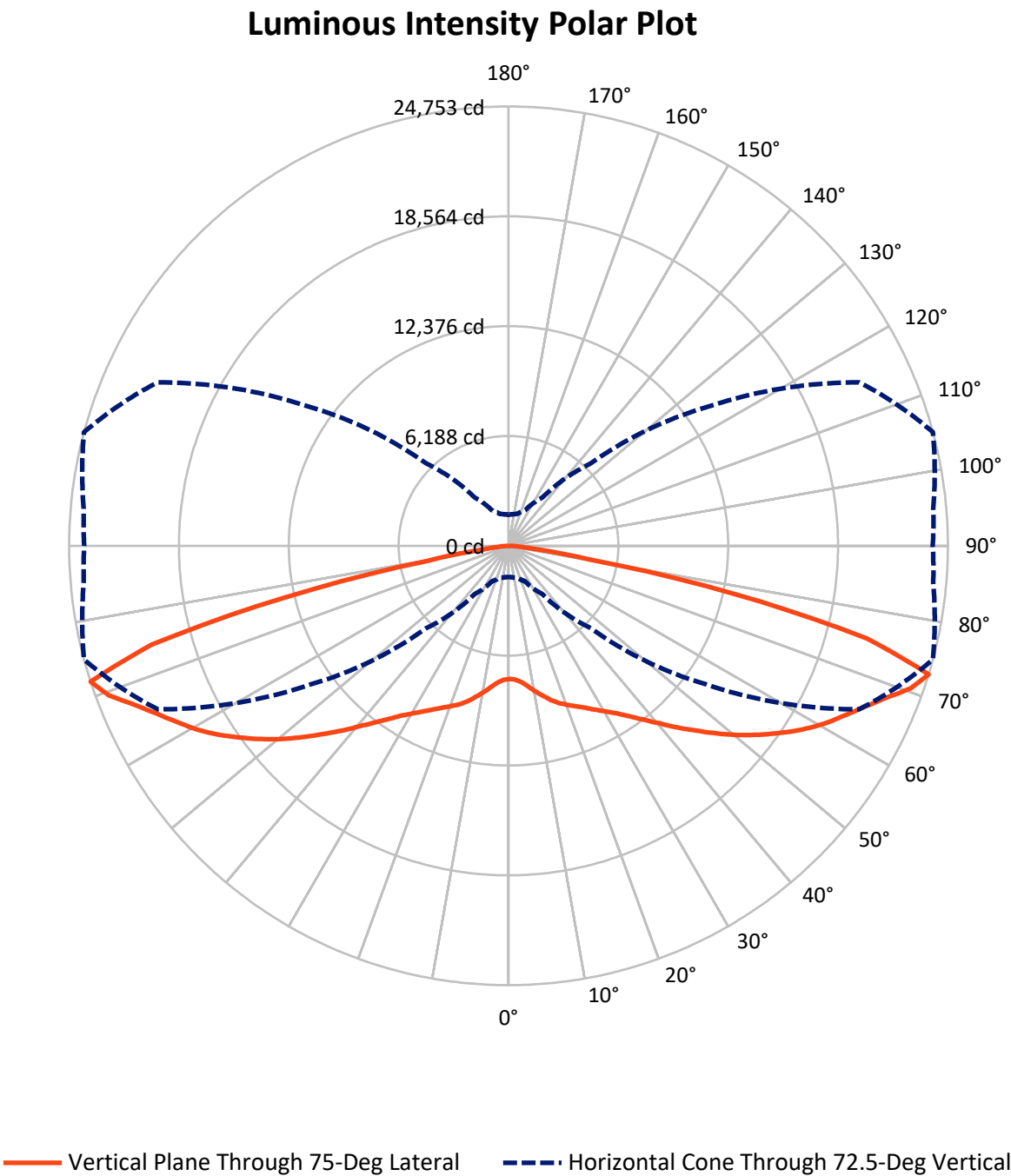
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 fc
Type III - Medium - N/A

REPORT NUMBER: P955901
CATALOG NUMBER: GALN-SB8D-722-U-RW



REPORT NUMBER: P955901

CATALOG NUMBER: GALN-SB8D-722-U-RW

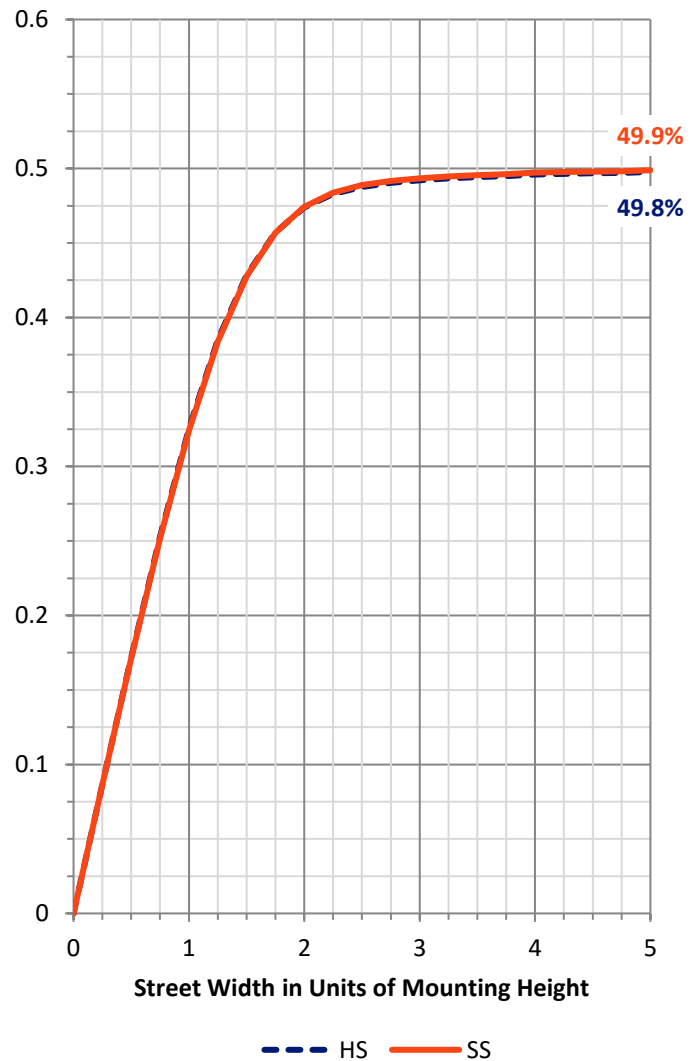
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	34998.5	0.0	34998.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	34998.5	0.0	34998.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	69997.0	0.0	69997.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	734.5	1.0
10°-20°	2422.5	3.5
20°-30°	4681.0	6.7
30°-40°	7904.1	11.3
40°-50°	12535.0	17.9
50°-60°	16782.9	24.0
60°-70°	15971.9	22.8
70°-80°	8334.4	11.9
80°-90°	630.9	0.9
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°	69997.0	100.0
0°-180°	69997.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955901

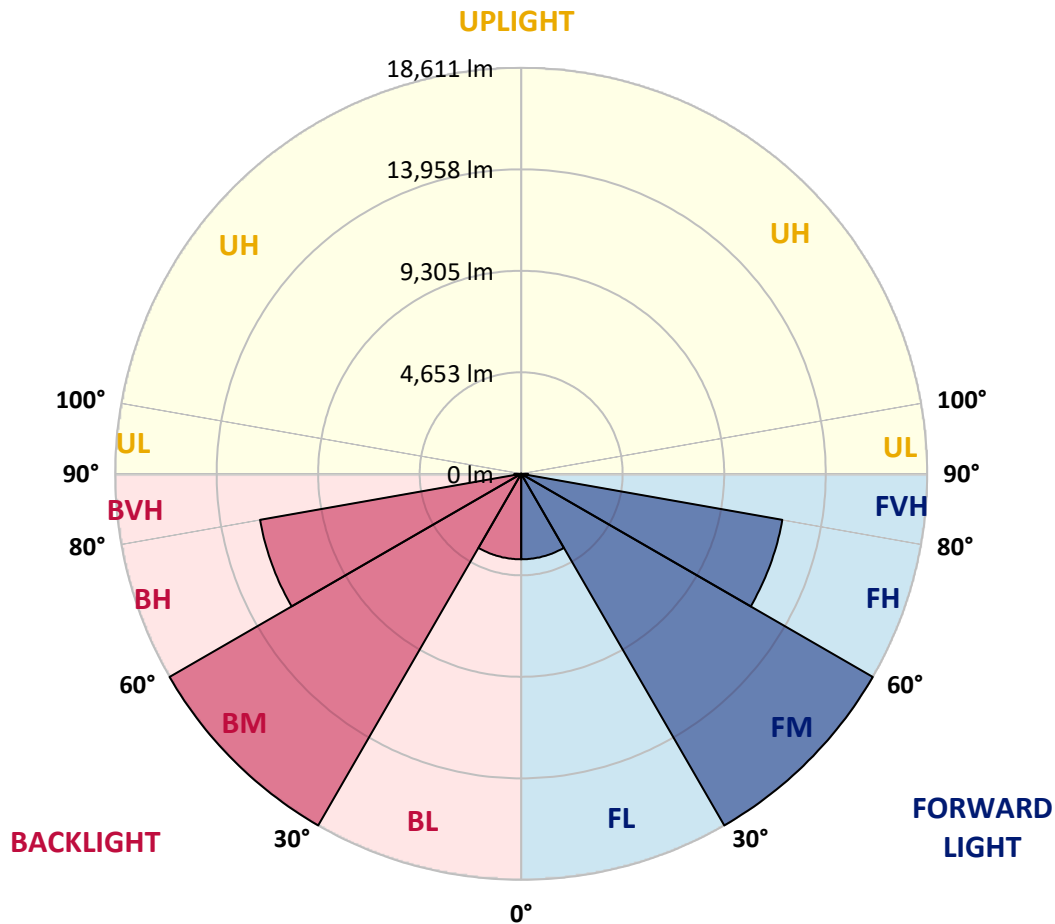
CATALOG NUMBER: GALN-SB8D-722-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3919.0	5.6			
FM	(30°-60°)	18610.9	26.6			
FH	(60°-80°)	12153.1	17.4			G5
FVH	(80°-90°)	315.4	0.5			G3/500
BL	(0°-30°)	3919.0	5.6	B4/5000		
BM	(30°-60°)	18610.9	26.6	B5		
BH	(60°-80°)	12153.1	17.4	B5		G5
BVH	(80°-90°)	315.4	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



REPORT NUMBER: P955901

CATALOG NUMBER: GALN-SB8D-722-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7497.9	7497.9	7497.9	7497.9	7497.9	7497.9	7497.9	7497.9	7497.9	7497.9	7497.9
2.5°	7497.9	7490.8	7497.9	7505.1	7501.5	7501.5	7519.4	7530.1	7551.5	7548.0	7544.4
5°	7447.9	7444.3	7472.9	7505.1	7530.1	7573.0	7626.6	7665.9	7715.9	7726.7	7726.7
7.5°	7422.9	7412.2	7462.2	7519.4	7598.0	7705.2	7808.9	7916.1	8001.8	8030.4	8037.6
10°	7440.8	7444.3	7512.2	7619.4	7744.5	7894.6	8041.2	8223.4	8344.9	8373.5	8402.1
12.5°	7522.9	7515.8	7630.2	7801.7	7973.3	8162.7	8334.2	8534.3	8666.6	8734.5	8763.1
15°	7673.1	7658.8	7819.6	8073.3	8323.5	8545.1	8684.4	8873.9	9027.5	9113.3	9145.5
17.5°	7851.7	7858.9	8069.7	8398.5	8727.3	8977.5	9109.7	9206.2	9324.2	9399.2	9435.0
20°	8166.2	8180.5	8416.4	8806.0	9181.2	9467.1	9574.3	9538.6	9570.8	9627.9	9670.8
22.5°	8588.0	8595.1	8859.6	9281.3	9674.4	9988.9	10060.4	9913.9	9824.5	9863.8	9892.4
25°	9077.6	9124.0	9388.5	9820.9	10224.8	10525.0	10557.1	10335.6	10114.0	10124.7	10142.6
27.5°	9674.4	9717.3	9985.3	10414.2	10825.2	11086.1	11082.5	10785.9	10460.7	10378.5	10403.5
30°	10321.3	10367.7	10642.9	11086.1	11468.5	11697.2	11647.2	11293.4	10828.8	10675.1	10693.0
32.5°	11089.6	11118.2	11397.0	11840.2	12194.0	12376.2	12272.6	11836.6	11257.6	11082.5	11125.4
35°	12018.8	12061.7	12269.0	12687.2	12998.1	13148.2	12973.1	12458.4	11808.0	11611.4	11640.0
37.5°	13080.3	13051.7	13287.6	13659.2	13916.6	14009.5	13770.0	13158.9	12437.0	12204.7	12247.6
40°	14188.2	14173.9	14431.2	14788.6	14928.0	14985.1	14631.3	13963.0	13162.5	12912.3	12994.5
42.5°	15192.4	15181.7	15528.4	15925.1	16093.0	16028.7	15582.0	14817.2	14002.3	13716.4	13787.9
45°	15996.5	15982.2	16407.5	16965.1	17293.8	17186.6	16586.2	15760.7	14852.9	14556.3	14624.2
47.5°	16614.8	16622.0	17079.4	17769.2	18344.6	18383.9	17611.9	16722.0	15789.3	15453.3	15553.4
50°	17061.5	17083.0	17572.6	18337.4	19123.7	19470.3	18659.1	17708.4	16757.8	16378.9	16493.3
52.5°	17172.3	17211.6	17801.3	18698.4	19624.0	20285.2	19724.1	18655.5	17676.2	17315.3	17408.2
55°	16582.7	16661.3	17408.2	18669.8	19931.3	20821.2	20660.4	19616.8	18601.9	18230.2	18333.8
57.5°	15228.2	15339.0	16211.0	17858.5	19863.4	21189.3	21385.9	20538.9	19527.5	19170.1	19252.3
60°	13330.5	13462.7	14299.0	16096.6	18905.7	21325.1	21897.0	21435.9	20378.1	20031.4	20106.5
62.5°	10467.8	10639.3	11640.0	13748.6	16882.9	20692.6	22333.0	22247.2	21142.9	20710.4	20760.5
65°	6715.3	6897.5	7951.8	10442.8	14184.6	18755.6	22468.8	23037.0	21950.6	21346.6	21421.6
67.5°	4049.2	4131.4	4653.1	6329.3	10367.7	15835.7	21318.0	23912.6	22894.1	22143.6	22200.7
70°	2591.0	2637.5	2948.4	3716.8	5861.1	11554.2	18466.1	24077.0	24037.7	22962.0	22954.8
72.5°	1758.3	1772.6	1854.8	2201.5	3316.5	6565.2	13619.9	21796.9	24752.5	24016.3	23901.9
75°	1286.6	1365.2	1497.4	1558.2	1883.4	3280.8	7805.3	15313.9	20860.5	21182.2	20403.1
77.5°	957.8	961.4	1143.6	1215.1	1343.8	1747.6	3302.2	8548.6	12951.6	13598.5	12129.6
80°	811.3	768.4	764.8	979.2	1011.4	1090.0	1476.0	2952.0	4638.9	2812.6	2126.4
82.5°	675.5	629.0	568.2	764.8	689.8	668.3	639.7	1200.8	1476.0	725.5	618.3
85°	471.7	450.3	428.9	500.3	393.1	335.9	307.4	561.1	621.8	307.4	271.6
87.5°	203.7	210.9	214.4	221.6	164.4	117.9	117.9	157.2	157.2	121.5	89.3
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)