

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: P957329

Luminaire Tested: **GALN-SB9D-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957329
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-SB9D-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 78846 lumens
Efficiency: N/A
Efficacy: 119.8 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): 658
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



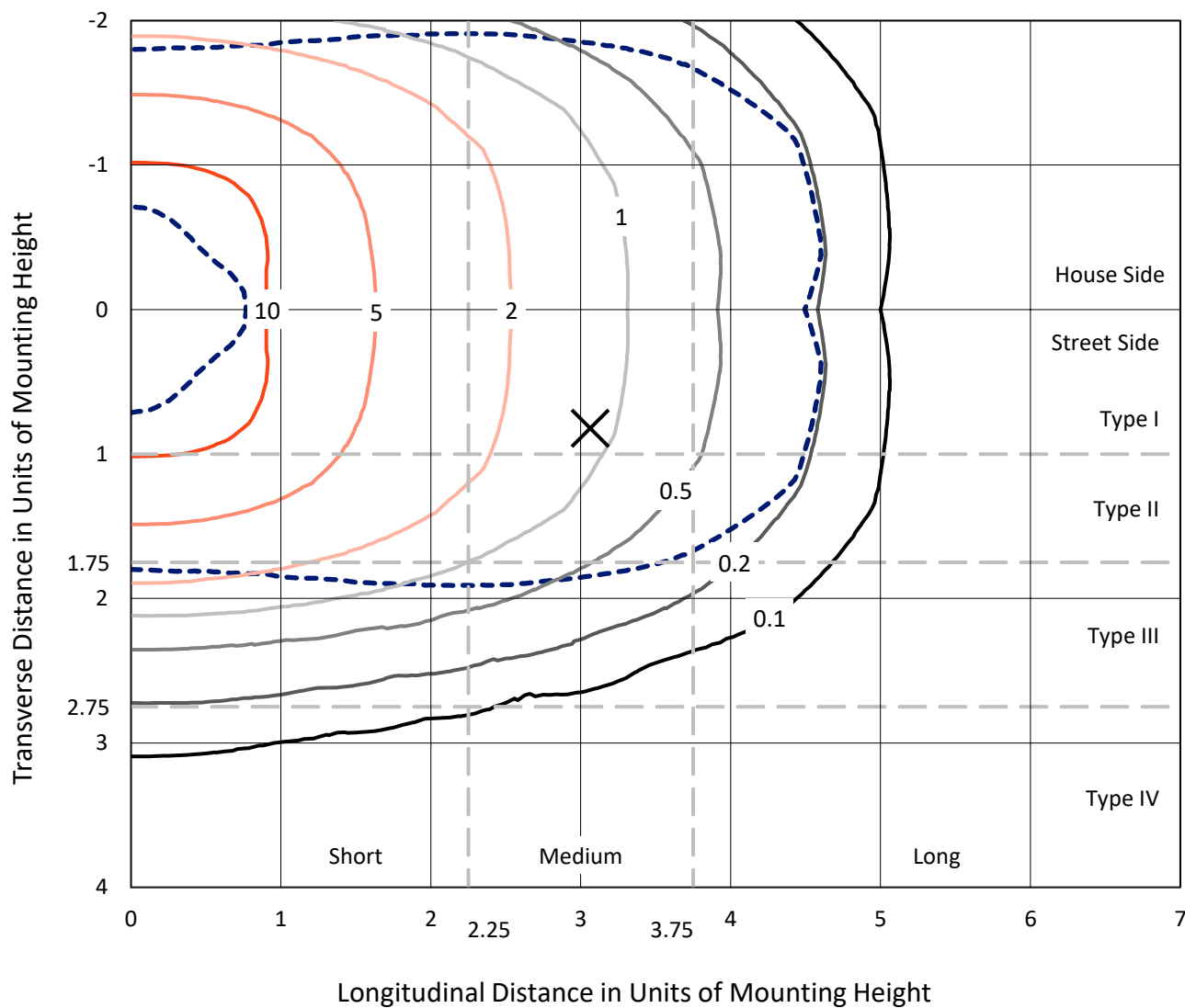
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Iso-Footcandle Lines of Horizontal Illumination

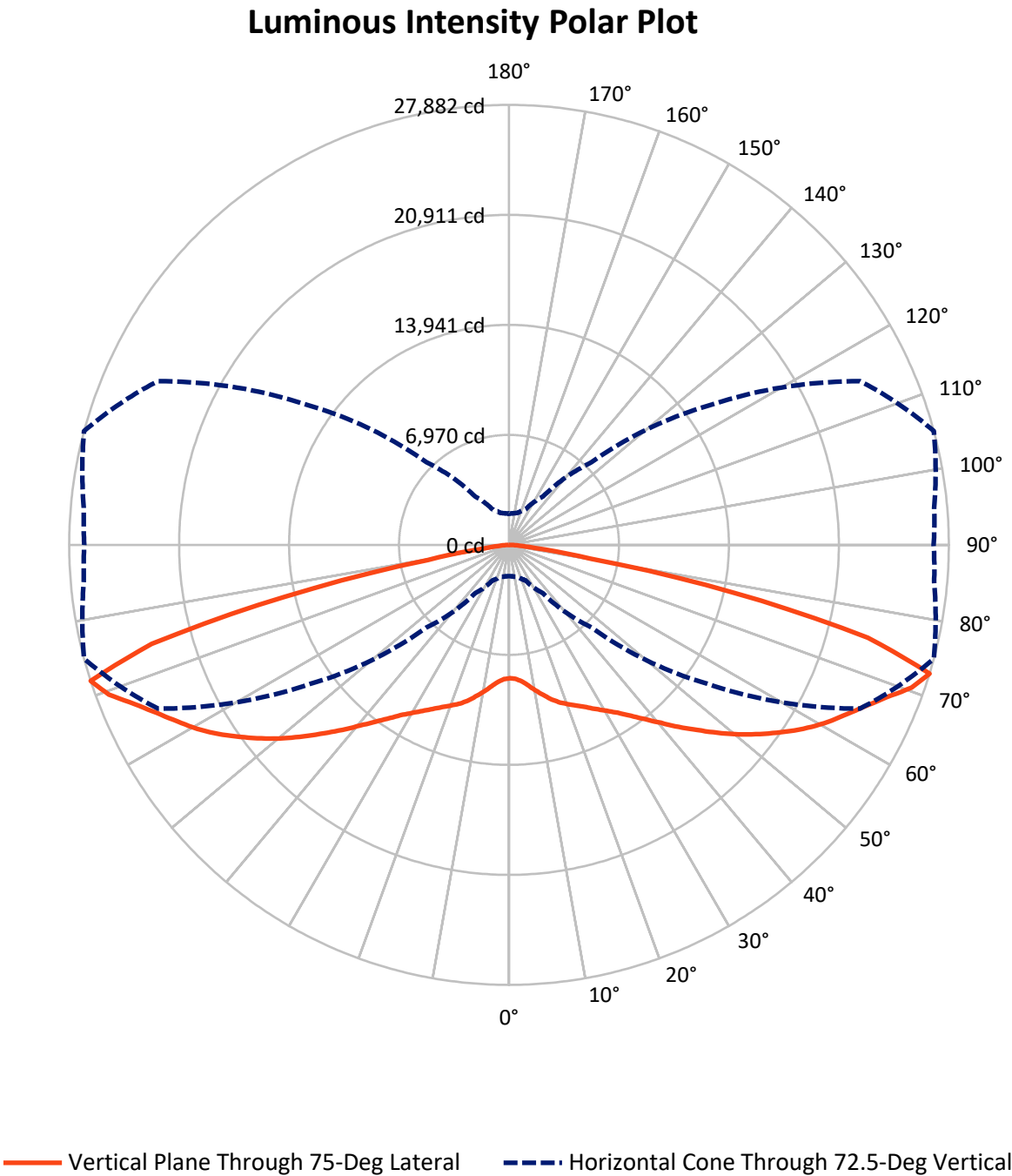
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.8 fc
Type III - Medium - N/A

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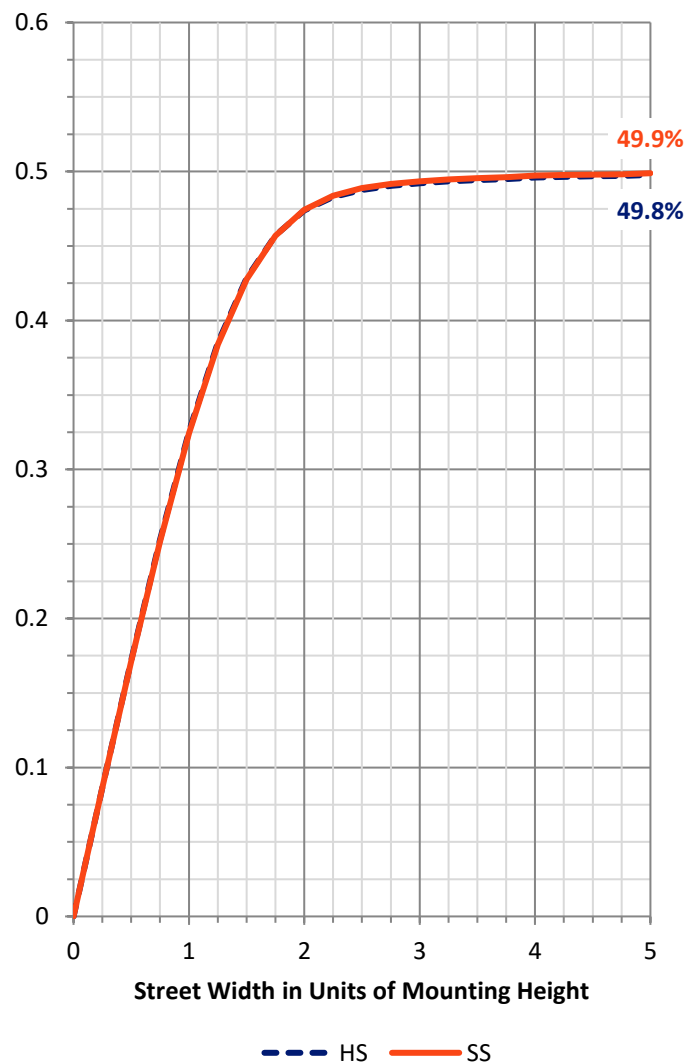
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	39423.0	0.0	39423.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	39423.0	0.0	39423.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	78846.0	0.0	78846.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	827.3	1.0
10°-20°	2728.7	3.5
20°-30°	5272.7	6.7
30°-40°	8903.3	11.3
40°-50°	14119.6	17.9
50°-60°	18904.6	24.0
60°-70°	17991.1	22.8
70°-80°	9388.0	11.9
80°-90°	710.6	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°	78846.0	100.0
0°-180°	78846.0	100.0

Coefficient of Utilization



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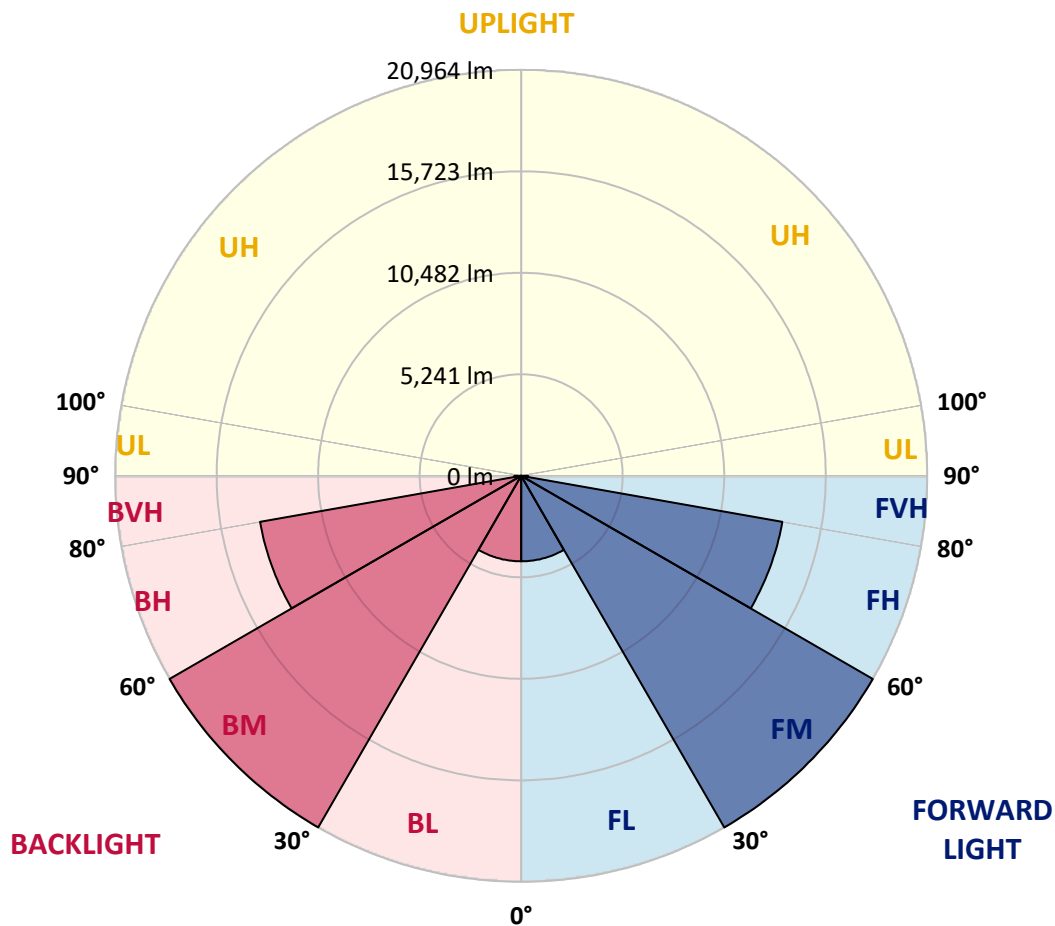
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4414.4	5.6			
FM	(30°-60°)	20963.7	26.6			
FH	(60°-80°)	13689.5	17.4			G5
FVH	(80°-90°)	355.3	0.5			G3/500
BL	(0°-30°)	4414.4	5.6	B4/5000		
BM	(30°-60°)	20963.7	26.6	B5		
BH	(60°-80°)	13689.5	17.4	B5		G5
BVH	(80°-90°)	355.3	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8445.8	8445.8	8445.8	8445.8	8445.8	8445.8	8445.8	8445.8	8445.8	8445.8	8445.8
2.5°	8445.8	8437.8	8445.8	8453.9	8449.8	8449.8	8470.0	8482.0	8506.2	8502.2	8498.2
5°	8389.5	8385.4	8417.6	8453.9	8482.0	8530.4	8590.7	8635.0	8691.4	8703.5	8703.5
7.5°	8361.3	8349.2	8405.6	8470.0	8558.5	8679.3	8796.0	8916.8	9013.4	9045.6	9053.7
10°	8381.4	8385.4	8461.9	8582.7	8723.6	8892.7	9057.7	9263.0	9399.9	9432.1	9464.3
12.5°	8474.0	8465.9	8594.8	8788.0	8981.2	9194.6	9387.8	9613.3	9762.2	9838.7	9870.9
15°	8643.1	8627.0	8808.1	9093.9	9375.7	9625.3	9782.3	9995.7	10168.8	10265.4	10301.6
17.5°	8844.4	8852.4	9089.9	9460.3	9830.6	10112.4	10261.4	10370.1	10502.9	10587.5	10627.7
20°	9198.6	9214.7	9480.4	9919.2	10341.9	10664.0	10784.7	10744.5	10780.7	10845.1	10893.4
22.5°	9673.6	9681.7	9979.6	10454.6	10897.4	11251.7	11332.2	11167.2	11066.5	11110.8	11143.0
25°	10225.2	10277.5	10575.4	11062.5	11517.4	11855.5	11891.8	11642.2	11392.6	11404.7	11424.8
27.5°	10897.4	10945.7	11247.7	11730.8	12193.7	12487.6	12483.5	12149.4	11783.1	11690.5	11718.7
30°	11626.1	11678.4	11988.4	12487.6	12918.3	13176.0	13119.6	12721.1	12197.7	12024.6	12044.8
32.5°	12491.6	12523.8	12837.8	13337.0	13735.5	13940.8	13824.1	13333.0	12680.8	12483.5	12531.9
35°	13538.3	13586.6	13820.1	14291.1	14641.3	14810.4	14613.1	14033.4	13300.8	13079.3	13111.5
37.5°	14733.9	14701.7	14967.4	15386.0	15675.9	15780.6	15510.8	14822.5	14009.3	13747.6	13795.9
40°	15981.8	15965.7	16255.6	16658.1	16815.1	16879.6	16481.0	15728.2	14826.5	14544.7	14637.3
42.5°	17113.0	17101.0	17491.5	17938.3	18127.5	18055.0	17551.8	16690.4	15772.5	15450.5	15531.0
45°	18018.8	18002.7	18481.8	19109.8	19480.1	19359.4	18683.1	17753.1	16730.6	16396.5	16473.0
47.5°	18715.3	18723.3	19238.6	20015.5	20663.7	20708.0	19838.4	18836.0	17785.3	17406.9	17519.6
50°	19218.5	19242.6	19794.1	20655.6	21541.3	21931.8	21017.9	19947.1	18876.3	18449.6	18578.4
52.5°	19343.3	19387.5	20051.8	21062.2	22104.9	22849.6	22217.6	21013.9	19910.9	19504.3	19609.0
55°	18679.0	18767.6	19609.0	21030.0	22451.1	23453.4	23272.3	22096.8	20953.5	20534.9	20651.6
57.5°	17153.3	17278.1	18260.4	20116.2	22374.6	23868.1	24089.5	23135.4	21996.2	21593.6	21686.2
60°	15015.7	15164.6	16106.6	18131.5	21295.7	24021.1	24665.2	24145.9	22954.3	22563.8	22648.3
62.5°	11791.1	11984.4	13111.5	15486.7	19017.2	23308.5	25156.3	25059.7	23815.8	23328.7	23385.0
65°	7564.2	7769.5	8957.1	11763.0	15977.8	21126.6	25309.3	25949.4	24725.6	24045.2	24129.8
67.5°	4561.1	4653.7	5241.4	7129.4	11678.4	17837.7	24013.0	26935.6	25788.3	24942.9	25007.4
70°	2918.6	2970.9	3321.2	4186.7	6602.1	13014.9	20800.5	27120.8	27076.5	25864.8	25856.8
72.5°	1980.6	1996.7	2089.3	2479.8	3735.8	7395.1	15341.8	24552.5	27881.7	27052.4	26923.6
75°	1449.2	1537.8	1686.7	1755.2	2121.5	3695.5	8792.0	17249.9	23497.7	23860.0	22982.4
77.5°	1078.9	1082.9	1288.2	1368.7	1513.6	1968.5	3719.7	9629.4	14589.0	15317.6	13663.1
80°	913.8	865.5	861.5	1103.0	1139.3	1227.8	1662.6	3325.2	5225.3	3168.2	2395.3
82.5°	760.8	708.5	640.1	861.5	777.0	752.8	720.6	1352.6	1662.6	817.2	696.4
85°	531.4	507.2	483.1	563.6	442.8	378.4	346.2	632.0	700.5	346.2	305.9
87.5°	229.5	237.5	241.5	249.6	185.2	132.8	132.8	177.1	177.1	136.9	100.6
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)