

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: P943643

Luminaire Tested: **GALN-SB8B-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8B-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37211 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 292.8
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



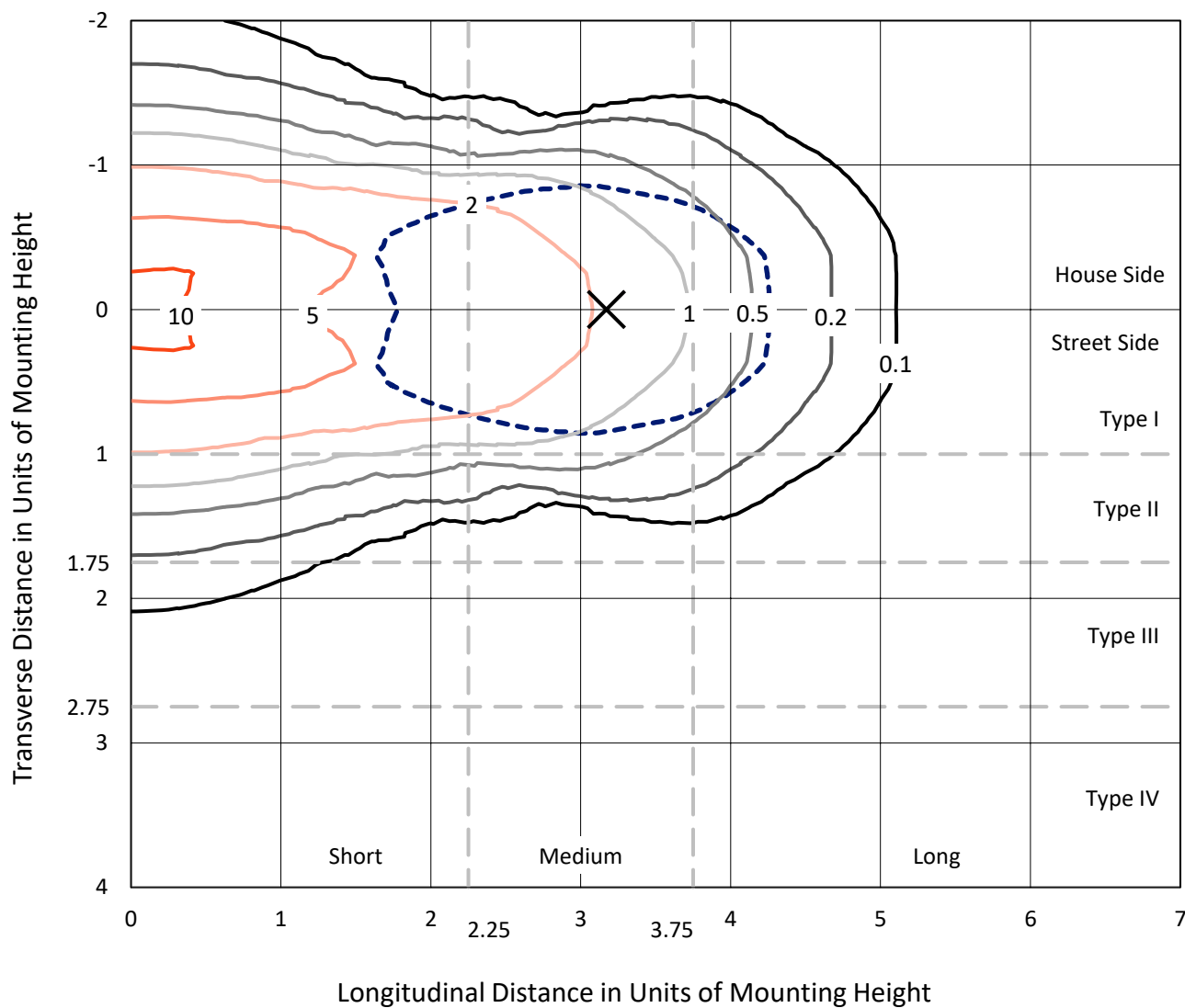
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

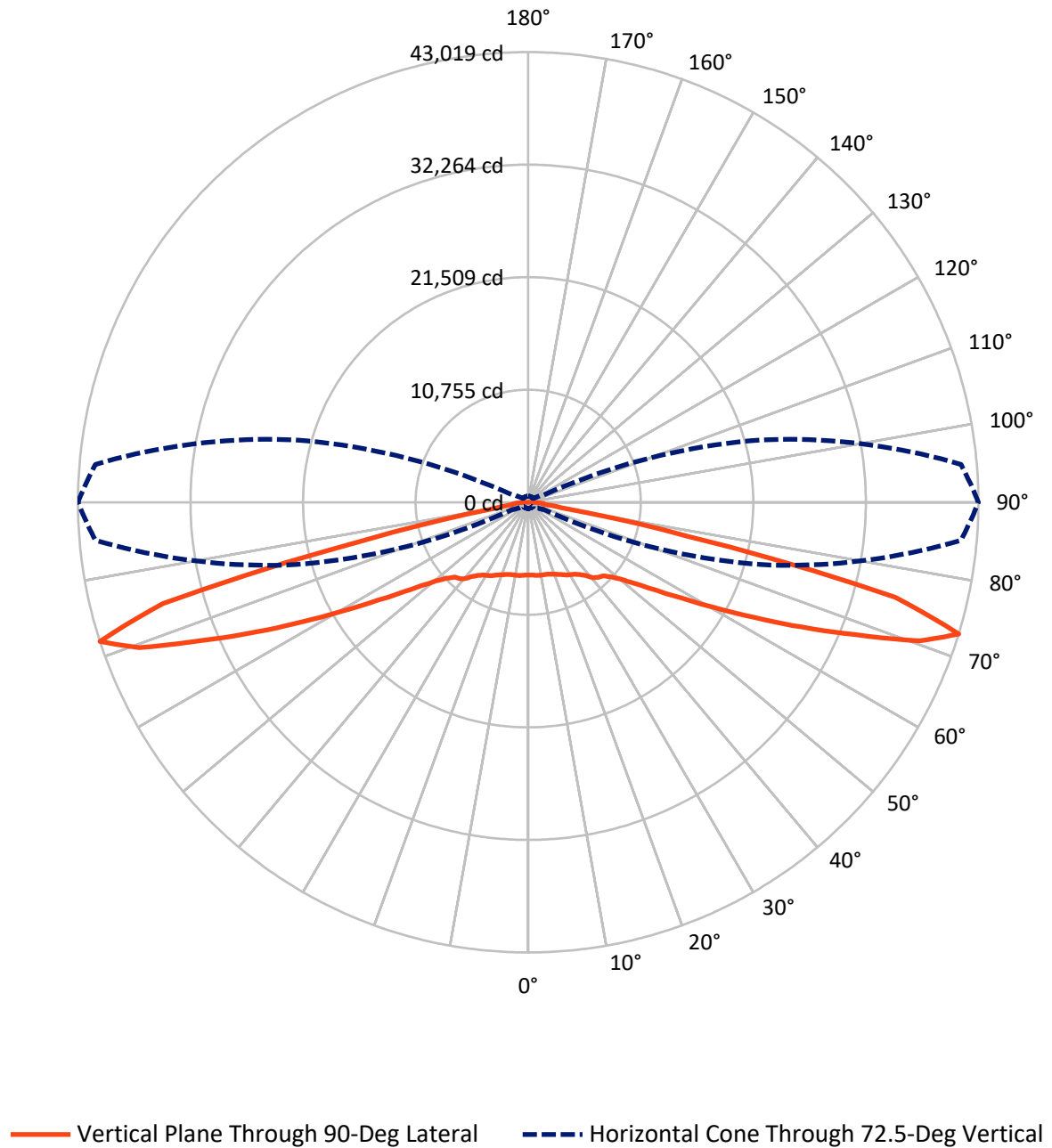


Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18605.5	0.0	18605.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18605.5	0.0	18605.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37211.0	0.0	37211.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	674.2	1.8
10°-20°	2061.4	5.5
20°-30°	3437.3	9.2
30°-40°	4727.3	12.7
40°-50°	5773.3	15.5
50°-60°	6677.5	17.9
60°-70°	7961.8	21.4
70°-80°	5556.8	14.9
80°-90°	341.3	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°	37211.0	100.0
0°-180°	37211.0	100.0

Coefficient of Utilization



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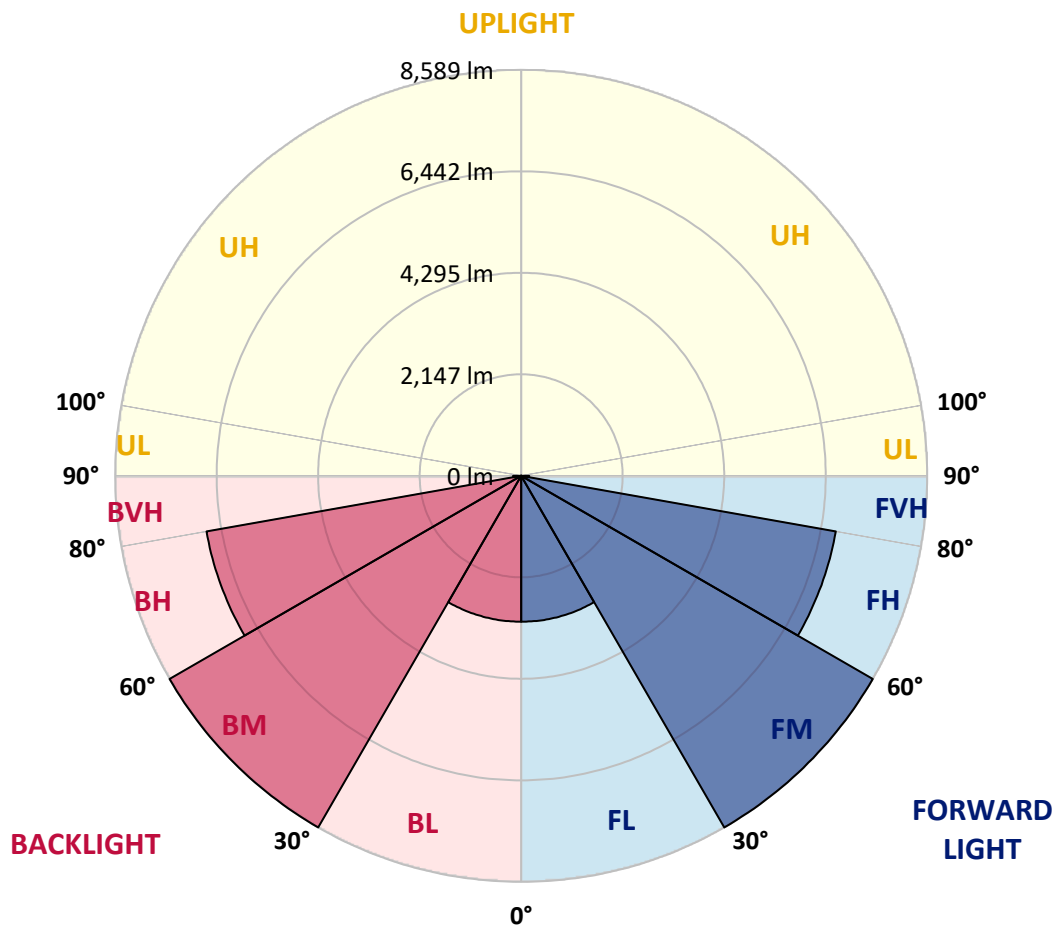
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3086.5	8.3			
FM	(30°-60°)	8589.1	23.1			
FH	(60°-80°)	6759.3	18.2			G3/7500
FVH	(80°-90°)	170.6	0.5			G2/225
BL	(0°-30°)	3086.5	8.3	B4/5000		
BM	(30°-60°)	8589.1	23.1	B5		
BH	(60°-80°)	6759.3	18.2	B5		G5
BVH	(80°-90°)	170.6	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6953.3	6953.3	6953.3	6953.3	6953.3	6953.3	6953.3	6953.3	6953.3	6953.3	6953.3
2.5°	6959.2	6967.1	6967.1	6961.2	6975.0	6963.2	6963.2	6957.2	6963.2	6957.2	6957.2
5°	6994.8	7004.7	7008.6	7006.7	7024.5	7014.6	7014.6	7006.7	7008.6	7002.7	7002.7
7.5°	7062.0	7075.9	7083.8	7093.7	7119.4	7107.5	7099.6	7075.9	7066.0	7050.2	7050.2
10°	7083.8	7099.6	7125.3	7176.7	7236.1	7238.0	7214.3	7155.0	7109.5	7073.9	7068.0
12.5°	7016.6	7038.3	7091.7	7196.5	7329.0	7382.4	7344.8	7246.0	7157.0	7093.7	7083.8
15°	6931.5	6955.2	7036.3	7194.5	7390.3	7514.9	7511.0	7380.4	7238.0	7139.2	7123.3
17.5°	6799.0	6822.7	6939.4	7160.9	7437.8	7643.5	7698.8	7564.3	7364.6	7232.1	7210.4
20°	6559.7	6581.5	6743.6	7054.1	7453.6	7779.9	7924.3	7805.6	7556.4	7376.5	7342.9
22.5°	6249.2	6282.9	6472.7	6870.2	7416.0	7922.3	8181.4	8100.3	7779.9	7530.7	7485.2
25°	5917.0	5952.6	6174.1	6644.8	7319.1	8025.1	8485.9	8434.5	8033.0	7722.6	7659.3
27.5°	5630.2	5667.8	5909.1	6421.3	7168.8	8064.7	8786.5	8812.2	8339.6	7934.2	7866.9
30°	5404.8	5440.4	5697.5	6241.3	6975.0	8025.1	9049.5	9227.5	8652.0	8118.1	8021.2
32.5°	5157.6	5203.1	5474.0	6021.8	6745.6	7930.2	9278.9	9676.4	9013.9	8315.8	8193.2
35°	4845.1	4886.7	5171.4	5721.2	6445.0	7777.9	9470.8	10174.8	9532.1	8616.4	8480.0
37.5°	4465.4	4505.0	4787.8	5345.5	6146.4	7564.3	9617.1	10736.4	10149.1	9049.5	8867.6
40°	4083.8	4121.3	4386.3	4926.2	5788.5	7291.4	9668.5	11286.2	10857.1	9644.8	9451.0
42.5°	3733.7	3767.3	4010.6	4512.9	5387.0	6943.4	9601.3	11764.8	11491.9	10060.1	9810.9
45°	3411.4	3441.0	3656.6	4125.3	4969.7	6520.2	9399.6	12279.0	12247.3	10356.7	10020.5
47.5°	3043.5	3073.2	3296.7	3749.5	4552.5	6023.8	9057.4	12785.2	13297.4	11029.1	10641.5
50°	2594.6	2620.3	2849.7	3316.4	4119.4	5495.8	8582.8	13182.7	14622.4	12047.6	11561.1
52.5°	2062.6	2090.3	2313.8	2780.5	3605.2	4928.2	7957.9	13441.8	16153.1	13534.7	12935.5
55°	1534.6	1554.4	1748.2	2167.5	2968.4	4281.5	7174.8	13515.0	17889.4	15567.7	14818.2
57.5°	1113.4	1125.3	1249.8	1562.3	2250.5	3472.7	6223.5	13325.1	19956.0	18174.2	17230.9
60°	901.8	905.7	943.3	1081.8	1564.3	2559.0	5074.5	12672.5	22198.6	21534.2	20345.6
62.5°	818.7	818.7	828.6	866.2	1058.0	1688.9	3684.3	11319.8	24603.4	25780.1	24188.1
65°	761.4	761.4	765.3	783.1	834.6	1075.8	2325.7	9116.8	26630.5	30753.8	28740.6
67.5°	710.0	711.9	710.0	715.9	745.6	795.0	1348.7	6296.7	27722.1	35907.4	33734.0
70°	656.6	660.5	650.6	650.6	674.4	676.3	844.4	3452.9	26816.4	40226.5	39655.0
72.5°	593.3	599.2	583.4	579.4	597.2	589.3	634.8	1657.2	23023.3	41515.9	43018.9
75°	537.9	545.8	510.2	500.3	500.3	494.4	516.2	850.4	14942.8	33866.5	36223.8
77.5°	488.5	504.3	446.9	415.3	407.4	389.6	421.2	520.1	6536.0	15900.0	15569.7
80°	403.4	425.2	367.8	330.3	316.4	296.6	332.2	363.9	1944.0	3692.2	3536.0
82.5°	300.6	310.5	261.0	235.3	223.5	209.6	249.2	253.1	632.8	1307.2	1477.3
85°	191.8	195.8	160.2	138.4	132.5	126.6	158.2	138.4	241.3	961.1	1396.2
87.5°	67.2	77.1	61.3	55.4	59.3	49.4	73.2	41.5	67.2	678.3	840.5
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)