

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: P943813

Luminaire Tested: **GALN-SB8C-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943813
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-SB8C-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49489 lumens
Efficiency: N/A
Efficacy: 123.8 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): 399.8
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



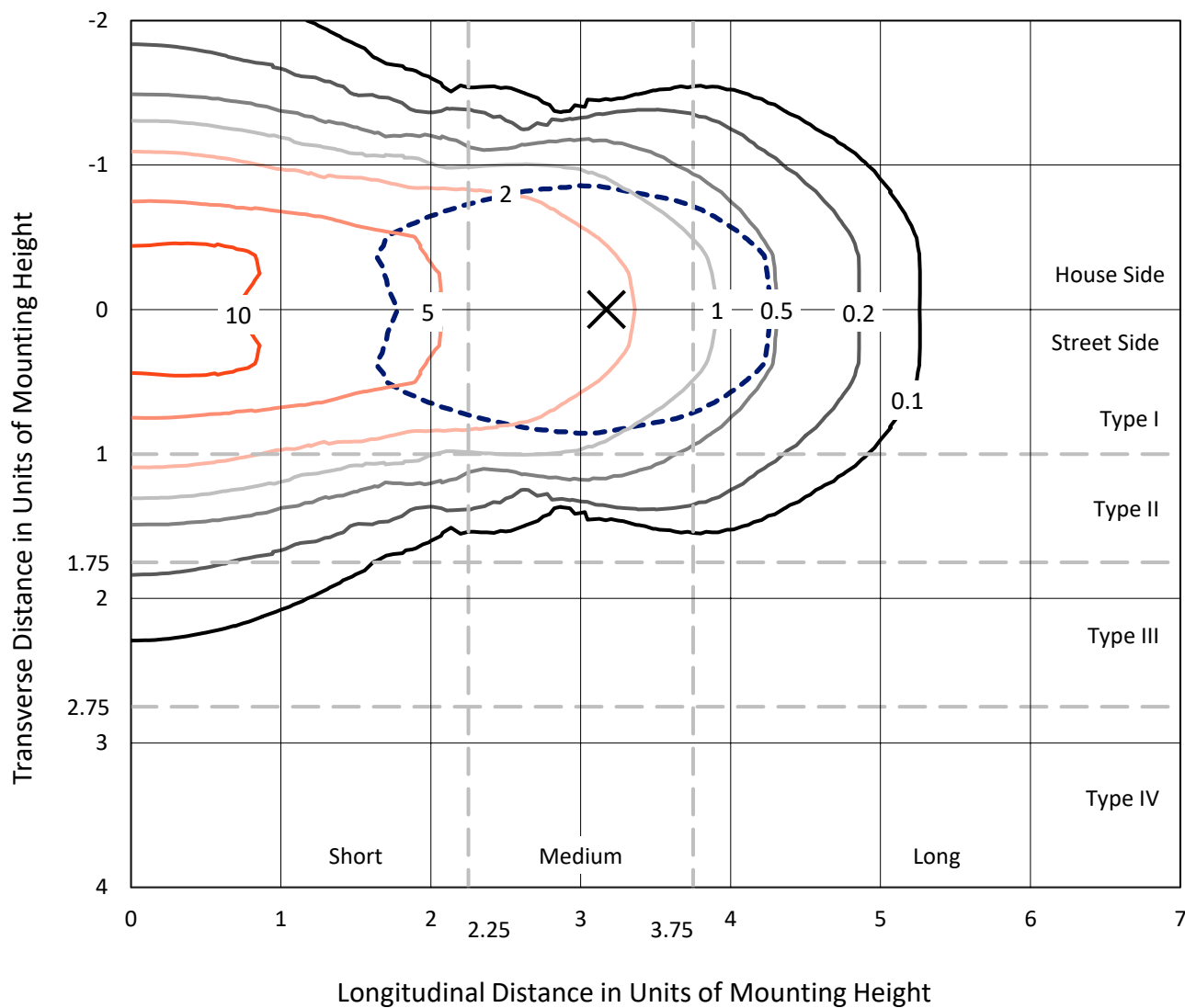
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Iso-Footcandle Lines of Horizontal Illumination

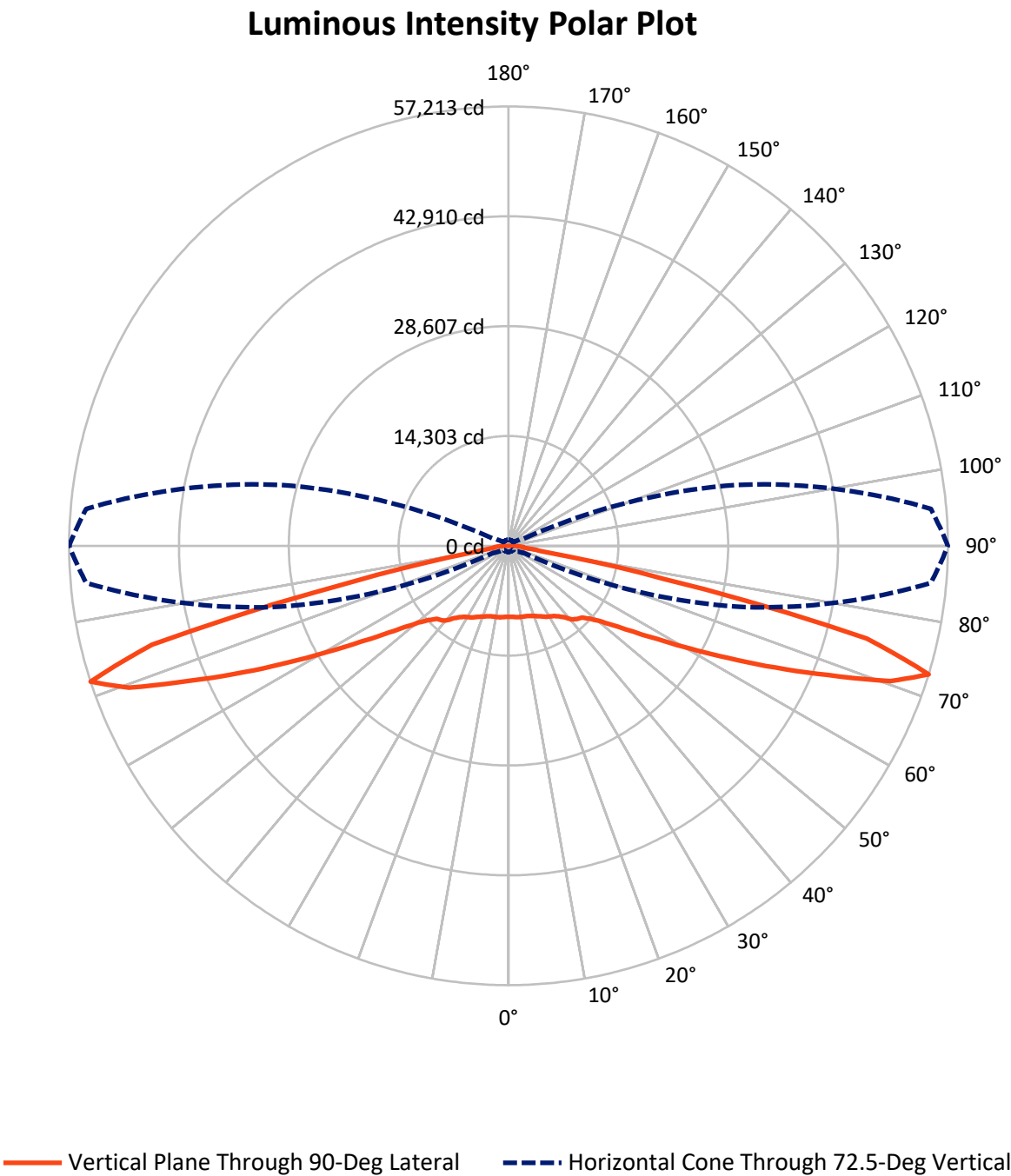
✕ Max cd

--- 1/2 Max cd



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

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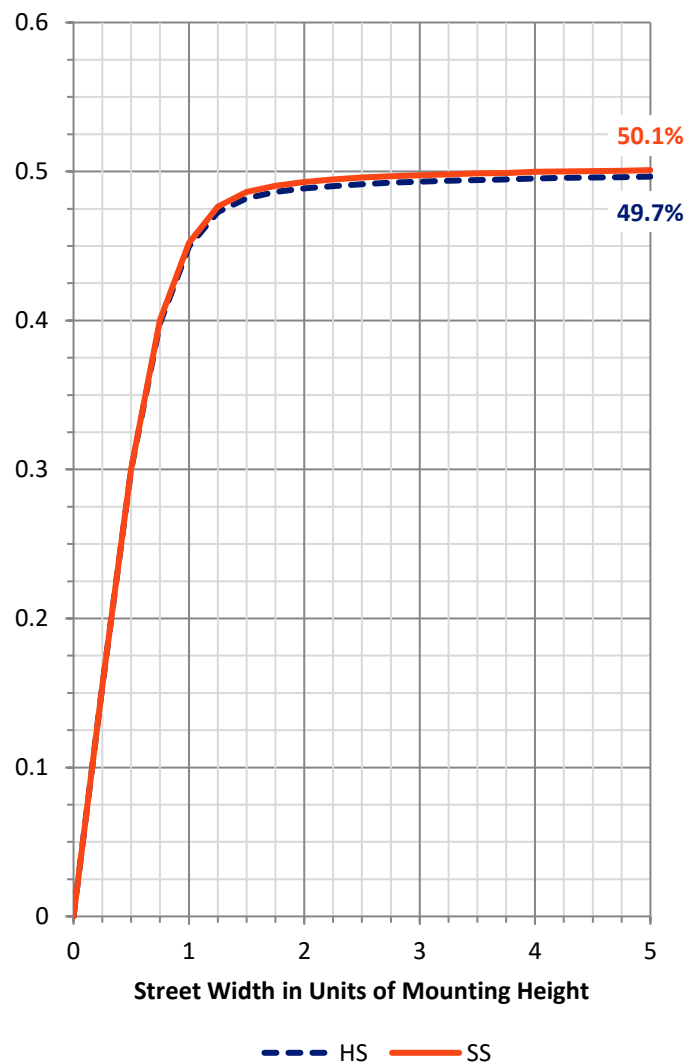
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24744.5	0.0	24744.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24744.5	0.0	24744.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	49489.0	0.0	49489.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	896.7	1.8
10°-20°	2741.6	5.5
20°-30°	4571.4	9.2
30°-40°	6287.1	12.7
40°-50°	7678.3	15.5
50°-60°	8880.8	17.9
60°-70°	10588.8	21.4
70°-80°	7390.3	14.9
80°-90°	453.9	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°	49489.0	100.0
0°-180°	49489.0	100.0

Coefficient of Utilization



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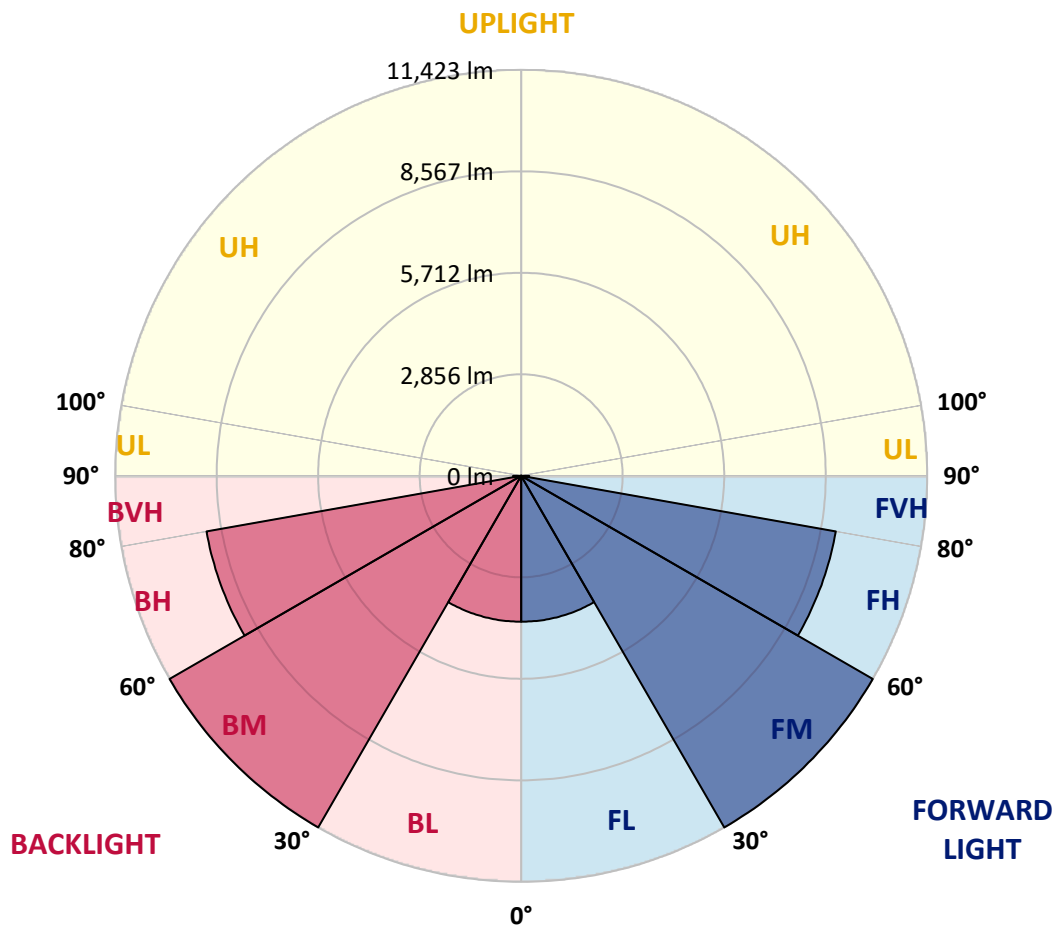
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4104.9	8.3			
FM	(30°-60°)	11423.1	23.1			
FH	(60°-80°)	8989.6	18.2			G4/12000
FVH	(80°-90°)	227.0	0.5			G3/500
BL	(0°-30°)	4104.9	8.3	B4/5000		
BM	(30°-60°)	11423.1	23.1	B5		
BH	(60°-80°)	8989.6	18.2	B5		G5
BVH	(80°-90°)	227.0	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9247.5	9247.5	9247.5	9247.5	9247.5	9247.5	9247.5	9247.5	9247.5	9247.5	9247.5
2.5°	9255.4	9266.0	9266.0	9258.1	9276.5	9260.7	9260.7	9252.8	9260.7	9252.8	9252.8
5°	9302.8	9315.9	9321.2	9318.6	9342.2	9329.1	9329.1	9318.6	9321.2	9313.3	9313.3
7.5°	9392.2	9410.6	9421.1	9434.3	9468.5	9452.7	9442.2	9410.6	9397.5	9376.4	9376.4
10°	9421.1	9442.2	9476.4	9544.7	9623.7	9626.3	9594.7	9515.8	9455.3	9408.0	9400.1
12.5°	9331.7	9360.6	9431.7	9571.0	9747.3	9818.3	9768.3	9636.8	9518.4	9434.3	9421.1
15°	9218.6	9250.2	9358.0	9568.4	9828.8	9994.5	9989.2	9815.7	9626.3	9494.8	9473.7
17.5°	9042.4	9074.0	9229.1	9523.7	9891.9	10165.5	10239.1	10060.3	9794.6	9618.4	9589.5
20°	8724.1	8753.1	8968.7	9381.7	9913.0	10346.9	10538.9	10381.1	10049.7	9810.4	9765.7
22.5°	8311.2	8355.9	8608.4	9137.1	9863.0	10536.3	10880.9	10773.0	10346.9	10015.5	9955.0
25°	7869.4	7916.7	8211.3	8837.2	9734.1	10673.1	11285.9	11217.5	10683.6	10270.7	10186.5
27.5°	7488.0	7538.0	7858.8	8540.0	9534.2	10725.7	11685.7	11719.9	11091.3	10552.1	10462.7
30°	7188.1	7235.5	7577.4	8300.7	9276.5	10673.1	12035.5	12272.2	11506.8	10796.7	10667.8
32.5°	6859.4	6919.9	7280.2	8008.8	8971.4	10546.8	12340.6	12869.2	11988.1	11059.7	10896.6
35°	6443.8	6499.1	6877.8	7609.0	8571.6	10344.3	12595.7	13532.0	12677.2	11459.5	11278.0
37.5°	5938.8	5991.4	6367.5	7109.2	8174.4	10060.3	12790.3	14279.0	13497.8	12035.5	11793.5
40°	5431.2	5481.2	5833.6	6551.7	7698.4	9697.3	12858.7	15010.2	14439.4	12827.2	12569.4
42.5°	4965.7	5010.4	5333.9	6002.0	7164.5	9234.4	12769.3	15646.7	15283.7	13379.5	13048.1
45°	4537.0	4576.4	4863.1	5486.5	6609.5	8671.5	12501.0	16330.5	16288.4	13774.0	13326.9
47.5°	4047.8	4087.2	4384.4	4986.7	6054.6	8011.4	12046.0	17003.8	17685.0	14668.2	14152.7
50°	3450.7	3484.9	3790.0	4410.7	5478.6	7309.1	11414.8	17532.5	19447.2	16022.8	15375.7
52.5°	2743.2	2780.0	3077.3	3698.0	4794.7	6554.3	10583.6	17877.0	21482.9	18000.6	17203.7
55°	2041.0	2067.3	2325.0	2882.6	3947.8	5694.2	9542.1	17974.3	23792.2	20704.4	19707.6
57.5°	1480.8	1496.5	1662.2	2077.8	2993.1	4618.5	8277.0	17721.8	26540.7	24170.9	22916.3
60°	1199.3	1204.6	1254.6	1438.7	2080.4	3403.4	6748.9	16853.9	29523.2	28639.5	27058.8
62.5°	1088.9	1088.9	1102.0	1152.0	1407.1	2246.1	4899.9	15054.9	32721.5	34286.4	32169.1
65°	1012.6	1012.6	1017.9	1041.5	1109.9	1430.8	3093.0	12124.9	35417.3	40901.2	38223.7
67.5°	944.2	946.8	944.2	952.1	991.6	1057.3	1793.7	8374.3	36869.2	47755.3	44864.8
70°	873.2	878.5	865.3	865.3	896.9	899.5	1123.1	4592.2	35664.6	53499.5	52739.4
72.5°	789.0	796.9	775.9	770.6	794.3	783.8	844.3	2204.1	30620.0	55214.3	57213.2
75°	715.4	725.9	678.6	665.4	665.4	657.5	686.5	1131.0	19873.3	45041.0	48176.1
77.5°	649.6	670.7	594.4	552.3	541.8	518.1	560.2	691.7	8692.6	21146.3	20707.0
80°	536.5	565.5	489.2	439.2	420.8	394.5	441.9	483.9	2585.4	4910.5	4702.7
82.5°	399.8	412.9	347.2	313.0	297.2	278.8	331.4	336.7	841.6	1738.5	1964.7
85°	255.1	260.4	213.0	184.1	176.2	168.3	210.4	184.1	320.9	1278.2	1856.9
87.5°	89.4	102.6	81.5	73.6	78.9	65.8	97.3	55.2	89.4	902.1	1117.8
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)