

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: P943983

Luminaire Tested: **GALN-SB8D-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943983
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-SB8D-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 67245 lumens
Efficiency: N/A
Efficacy: 115.0 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): 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



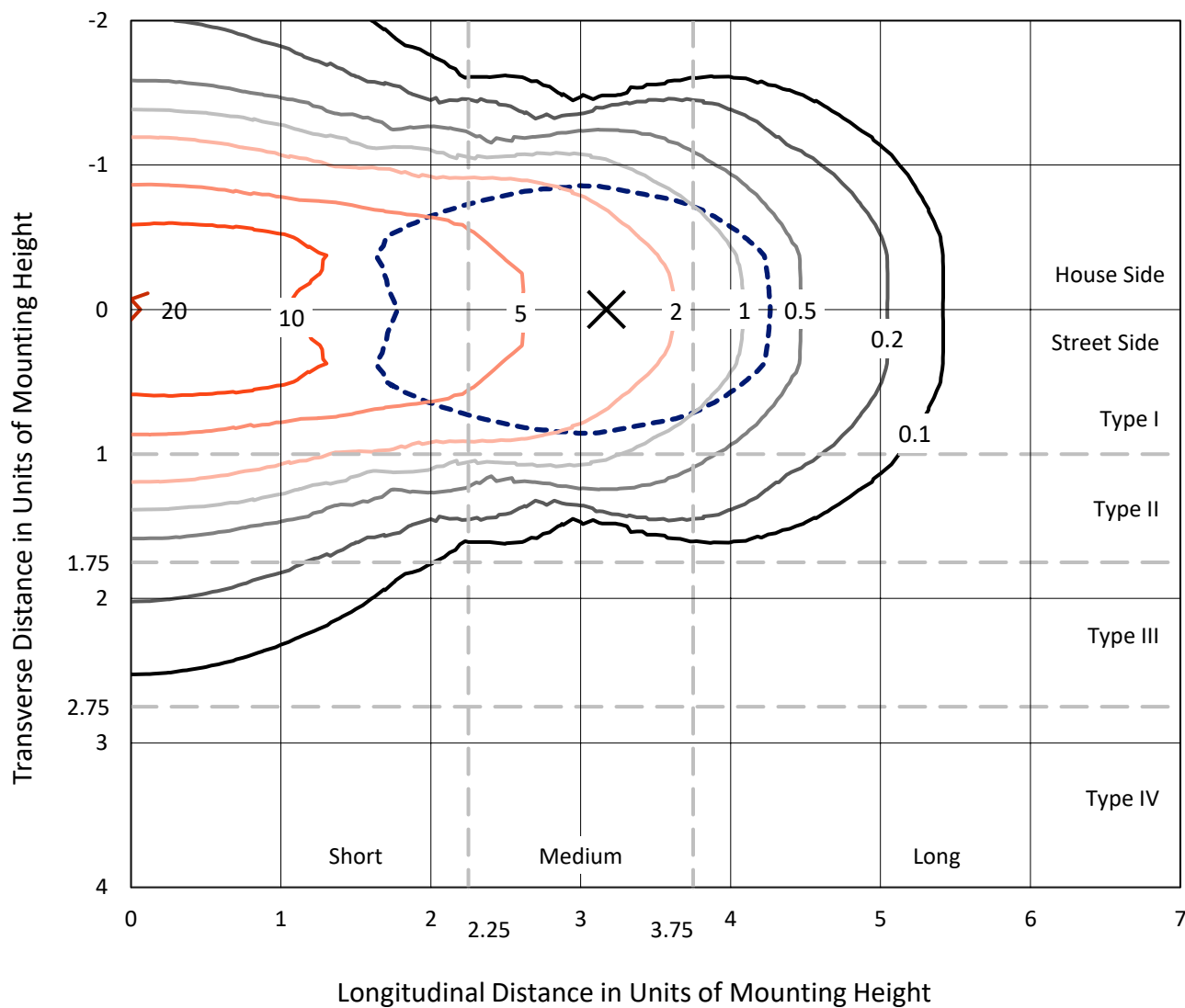
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

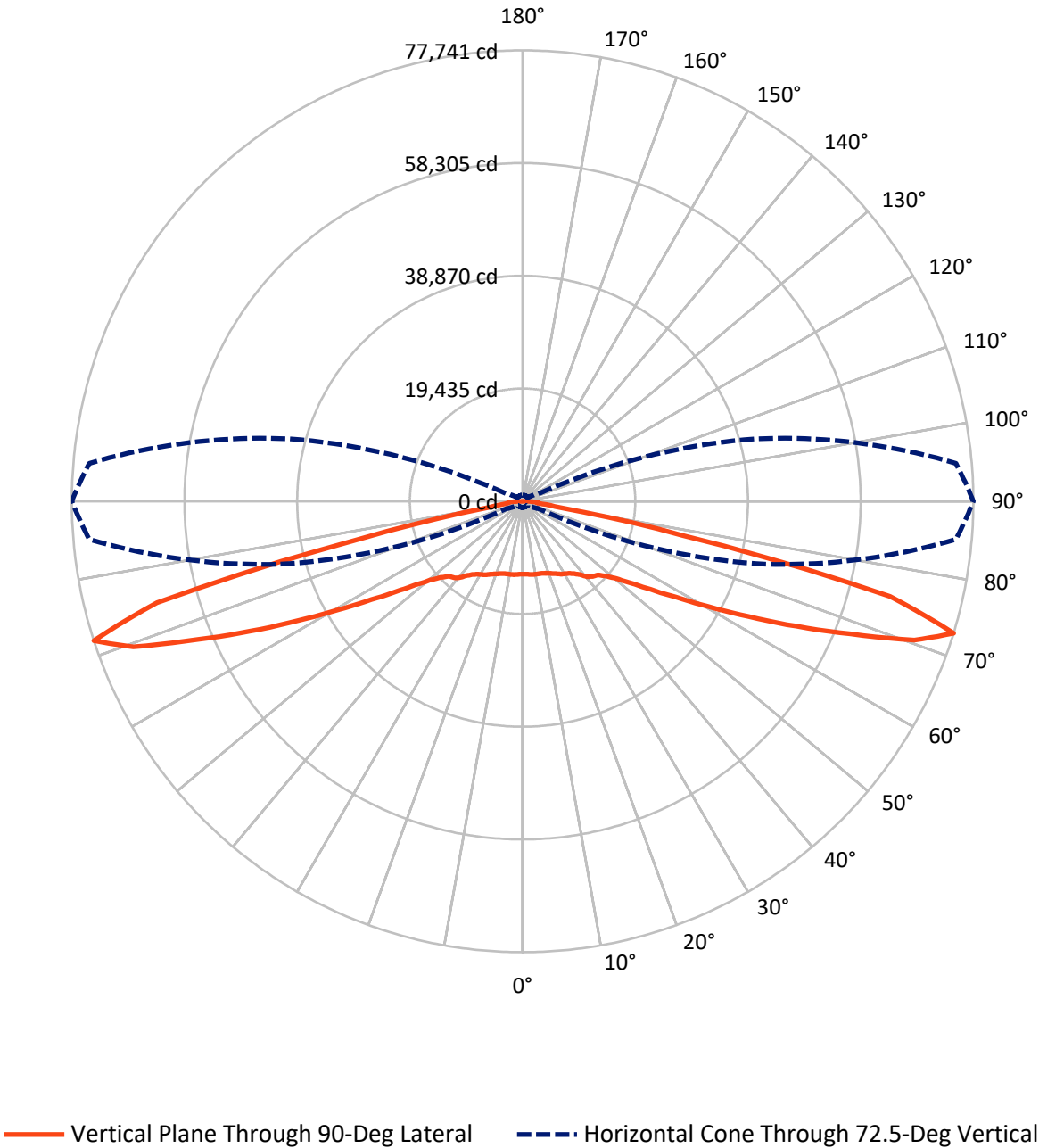
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.1 fc
Type I - Short - N/A

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Luminous Intensity Polar Plot



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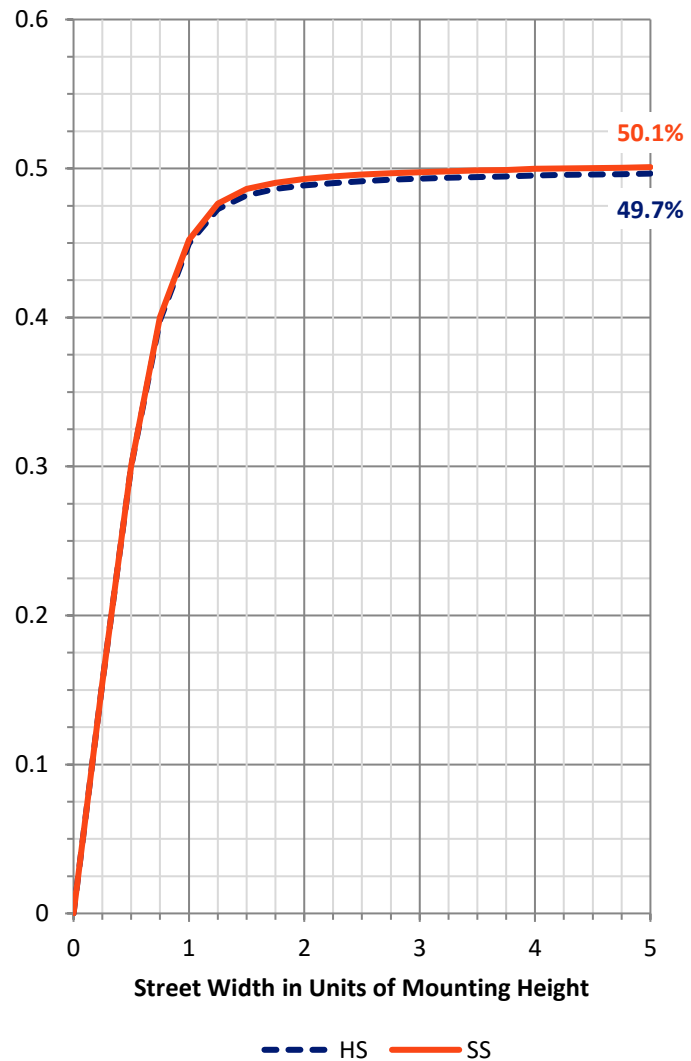
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33622.5	0.0	33622.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33622.5	0.0	33622.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	67245.0	0.0	67245.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1218.4	1.8
10°-20°	3725.3	5.5
20°-30°	6211.6	9.2
30°-40°	8542.9	12.7
40°-50°	10433.2	15.5
50°-60°	12067.1	17.9
60°-70°	14388.0	21.4
70°-80°	10041.9	14.9
80°-90°	616.8	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°	67245.0	100.0
0°-180°	67245.0	100.0

Coefficient of Utilization



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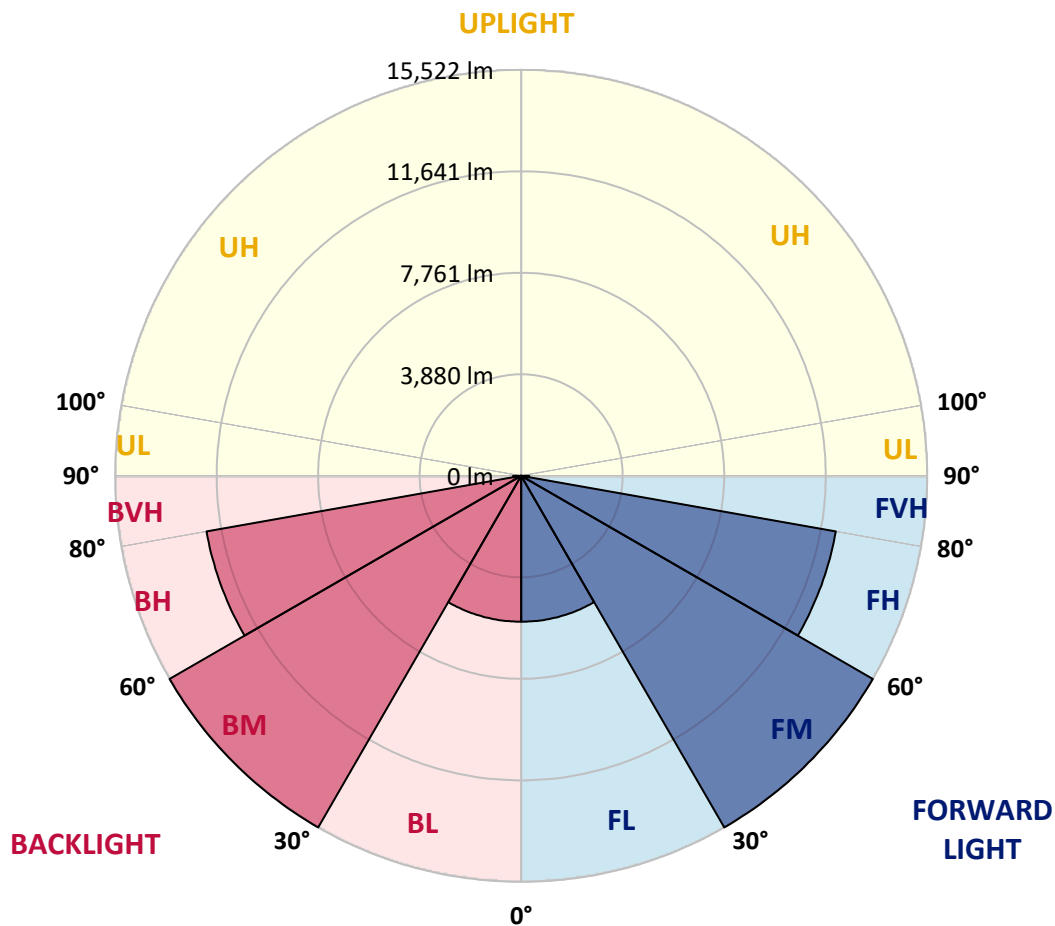
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5577.6	8.3			
FM	(30°-60°)	15521.6	23.1			
FH	(60°-80°)	12214.9	18.2			G5
FVH	(80°-90°)	308.4	0.5			G3/500
BL	(0°-30°)	5577.6	8.3	B5		
BM	(30°-60°)	15521.6	23.1	B5		
BH	(60°-80°)	12214.9	18.2	B5		G5
BVH	(80°-90°)	308.4	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	12565.4	12565.4	12565.4	12565.4	12565.4	12565.4	12565.4	12565.4	12565.4	12565.4	12565.4
2.5°	12576.2	12590.5	12590.5	12579.7	12604.7	12583.3	12583.3	12572.6	12583.3	12572.6	12572.6
5°	12640.5	12658.4	12665.5	12661.9	12694.1	12676.2	12676.2	12661.9	12665.5	12654.8	12654.8
7.5°	12762.0	12787.0	12801.3	12819.2	12865.6	12844.2	12829.9	12787.0	12769.1	12740.6	12740.6
10°	12801.3	12829.9	12876.4	12969.3	13076.5	13080.1	13037.2	12930.0	12847.8	12783.4	12772.7
12.5°	12679.8	12719.1	12815.6	13005.0	13244.5	13341.0	13273.0	13094.4	12933.5	12819.2	12801.3
15°	12526.1	12569.0	12715.5	13001.4	13355.2	13580.4	13573.2	13337.4	13080.1	12901.4	12872.8
17.5°	12286.7	12329.6	12540.4	12940.7	13441.0	13812.7	13912.8	13669.7	13308.8	13069.3	13030.0
20°	11854.3	11893.6	12186.6	12747.7	13469.6	14059.3	14320.2	14105.7	13655.4	13330.2	13269.5
22.5°	11293.2	11353.9	11697.0	12415.3	13401.7	14316.6	14784.8	14638.2	14059.3	13609.0	13526.8
25°	10692.8	10757.1	11157.4	12007.9	13226.6	14502.4	15335.1	15242.2	14516.7	13955.6	13841.3
27.5°	10174.6	10242.5	10678.5	11604.1	12955.0	14573.9	15878.3	15924.8	15070.7	14338.0	14216.5
30°	9767.2	9831.5	10296.1	11278.9	12604.7	14502.4	16353.7	16675.3	15635.3	14670.4	14495.3
32.5°	9320.4	9402.6	9892.2	10882.2	12190.2	14330.9	16768.2	17486.5	16289.3	15027.8	14806.2
35°	8755.8	8830.8	9345.5	10339.0	11647.0	14055.7	17114.9	18387.1	17225.7	15571.0	15324.4
37.5°	8069.6	8141.1	8652.1	9659.9	11107.3	13669.7	17379.3	19402.1	18340.7	16353.7	16024.9
40°	7379.9	7447.8	7926.7	8902.3	10460.5	13176.6	17472.2	20395.6	19620.1	17429.4	17079.1
42.5°	6747.3	6808.1	7247.6	8155.4	9735.0	12547.6	17350.7	21260.5	20767.3	18179.9	17729.6
45°	6164.8	6218.4	6607.9	7454.9	8980.9	11782.8	16986.2	22189.6	22132.5	18715.9	18108.4
47.5°	5500.1	5553.7	5957.5	6775.9	8226.9	10885.8	16367.9	23104.5	24030.1	19931.0	19230.6
50°	4688.8	4735.3	5149.8	5993.2	7444.2	9931.6	15510.2	23822.9	26424.6	21771.5	20892.4
52.5°	3727.5	3777.5	4181.3	5024.7	6515.0	8905.9	14380.9	24291.0	29190.7	24459.0	23376.1
55°	2773.3	2809.0	3159.2	3916.9	5364.3	7737.3	12965.7	24423.3	32328.5	28132.9	26778.4
57.5°	2012.0	2033.5	2258.6	2823.3	4067.0	6275.6	11246.7	24080.2	36063.1	32843.1	31138.4
60°	1629.6	1636.8	1704.7	1954.9	2826.9	4624.5	9170.3	22900.8	40115.8	38915.0	36767.1
62.5°	1479.5	1479.5	1497.4	1565.3	1912.0	3052.0	6658.0	20456.4	44461.5	46587.9	43711.0
65°	1375.9	1375.9	1383.1	1415.2	1508.1	1944.1	4202.8	16475.2	48124.6	55576.0	51937.9
67.5°	1283.0	1286.6	1283.0	1293.7	1347.3	1436.7	2437.3	11378.9	50097.4	64889.3	60961.7
70°	1186.5	1193.6	1175.8	1175.8	1218.7	1222.2	1526.0	6239.8	48460.6	72694.4	71661.6
72.5°	1072.1	1082.9	1054.3	1047.1	1079.3	1065.0	1147.2	2994.8	41606.0	75024.5	77740.6
75°	972.1	986.4	922.0	904.2	904.2	893.4	932.8	1536.7	27003.5	61201.1	65461.1
77.5°	882.7	911.3	807.7	750.5	736.2	704.0	761.2	939.9	11811.4	28733.3	28136.4
80°	729.1	768.4	664.7	596.8	571.8	536.1	600.4	657.6	3513.0	6672.3	6389.9
82.5°	543.2	561.1	471.7	425.3	403.8	378.8	450.3	457.4	1143.6	2362.3	2669.6
85°	346.7	353.8	289.5	250.2	239.4	228.7	285.9	250.2	436.0	1736.9	2523.1
87.5°	121.5	139.4	110.8	100.1	107.2	89.3	132.2	75.0	121.5	1225.8	1518.9
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)