

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: P944703

Luminaire Tested: **GALN-SB9D-740-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944703
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-SB9D-740-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 97008 lumens
Efficiency: N/A
Efficacy: 147.4 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

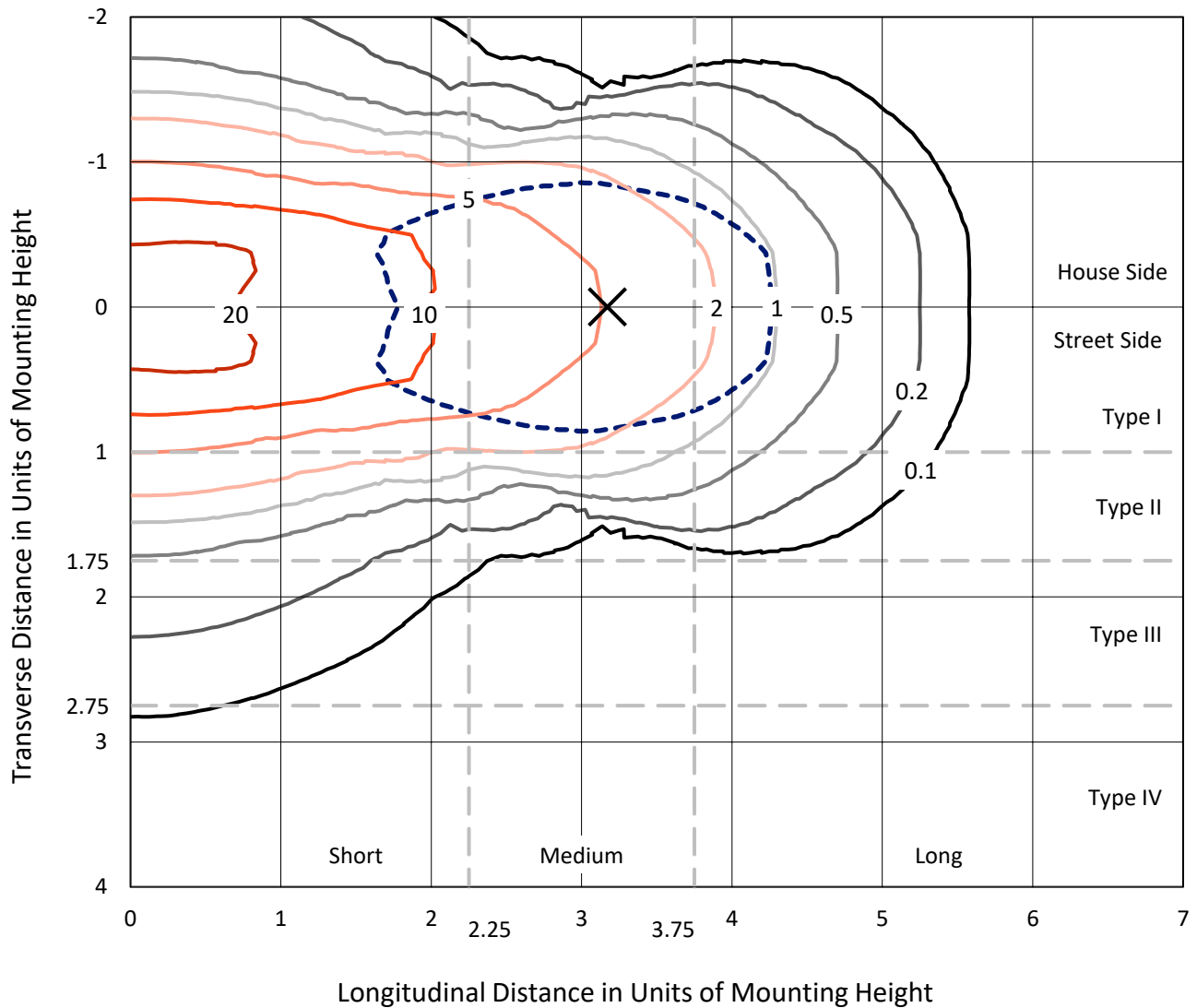
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

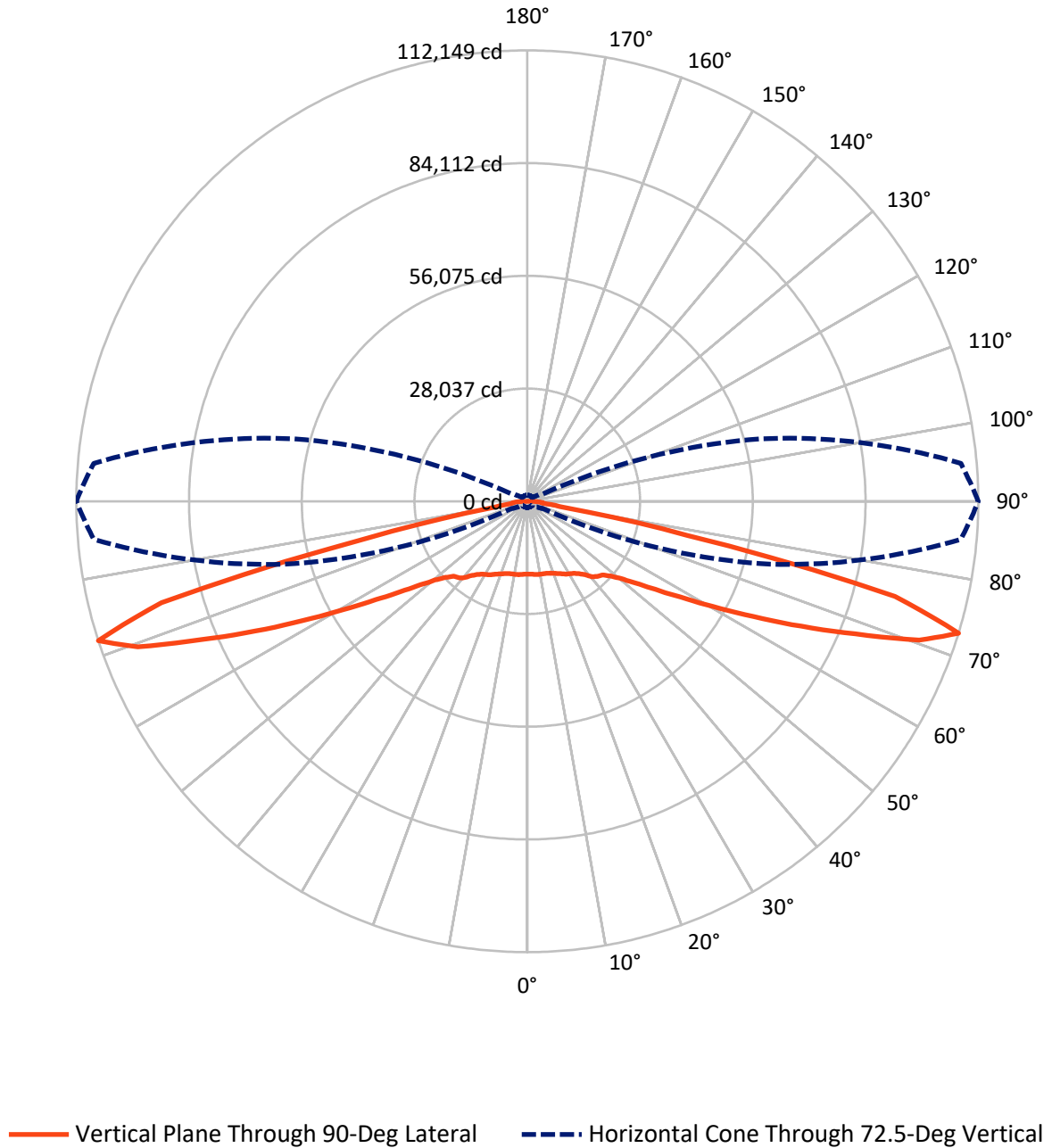
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 29 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	48504.0	0.0	48504.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	48504.0	0.0	48504.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	97008.0	0.0	97008.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1757.6	1.8
10°-20°	5374.1	5.5
20°-30°	8960.9	9.2
30°-40°	12324.0	12.7
40°-50°	15050.9	15.5
50°-60°	17408.0	17.9
60°-70°	20756.2	21.4
70°-80°	14486.5	14.9
80°-90°	889.8	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°	97008.0	100.0
0°-180°	97008.0	100.0



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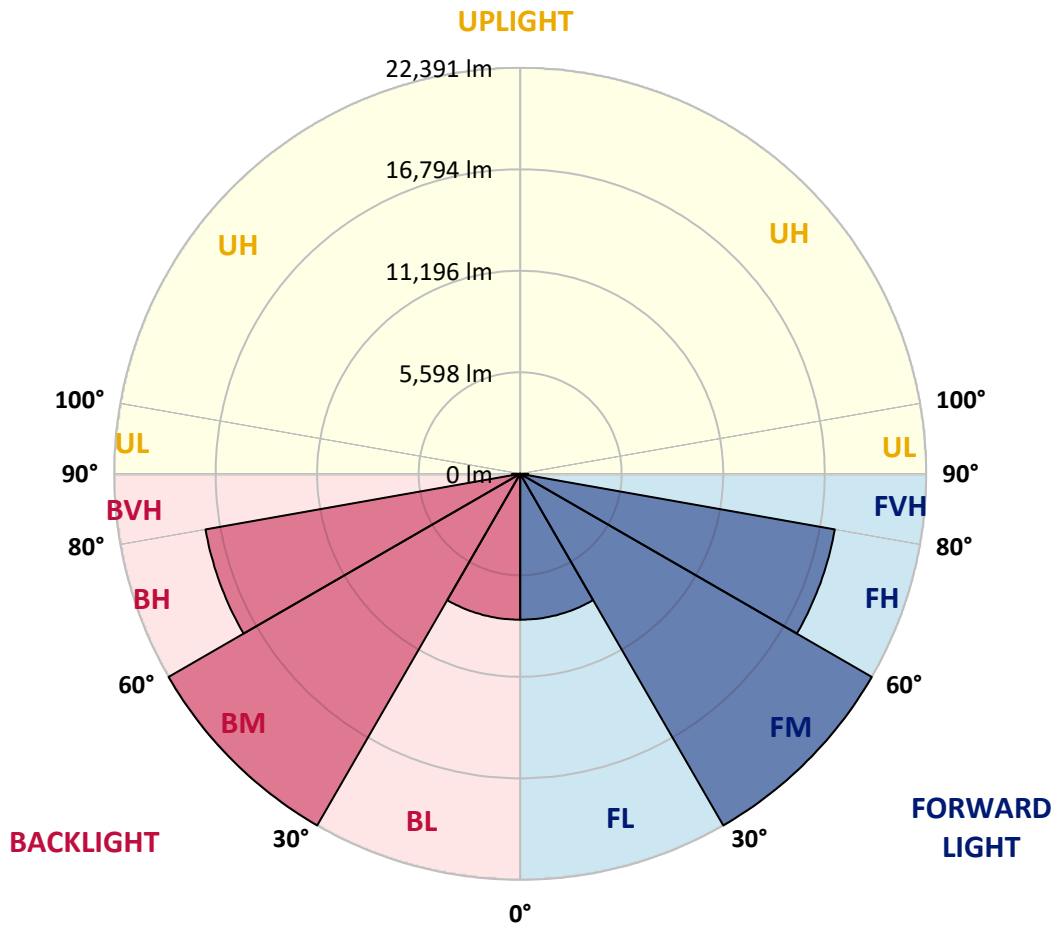
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8046.3	8.3			
FM (30°-60°)	22391.5	23.1			
FH (60°-80°)	17621.3	18.2			G5
FVH (80°-90°)	444.9	0.5			G3/500
BL (0°-30°)	8046.3	8.3	B5		
BM (30°-60°)	22391.5	23.1	B5		
BH (60°-80°)	17621.3	18.2	B5		G5
BVH (80°-90°)	444.9	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°
0°	18127.0	18127.0	18127.0	18127.0	18127.0	18127.0	18127.0	18127.0	18127.0	18127.0
2.5°	18142.4	18163.1	18163.1	18147.6	18183.7	18152.7	18152.7	18137.3	18152.7	18137.3
5°	18235.2	18261.0	18271.3	18266.2	18312.6	18286.8	18286.8	18266.2	18271.3	18255.9
7.5°	18410.5	18446.6	18467.2	18493.0	18560.0	18529.1	18508.5	18446.6	18420.8	18379.6
10°	18467.2	18508.5	18575.5	18709.5	18864.2	18869.4	18807.5	18652.8	18534.3	18441.5
12.5°	18291.9	18348.7	18487.9	18761.1	19106.5	19245.7	19147.8	18890.0	18658.0	18493.0
15°	18070.3	18132.1	18343.5	18755.9	19266.3	19591.1	19580.8	19240.6	18869.4	18611.6
17.5°	17724.8	17786.7	18090.9	18668.3	19390.1	19926.3	20070.6	19720.0	19199.3	18853.9
20°	17101.0	17157.7	17580.5	18389.9	19431.3	20282.0	20658.4	20349.0	19699.4	19230.3
22.5°	16291.6	16379.2	16874.2	17910.4	19333.4	20653.2	21328.6	21117.2	20282.0	19632.4
25°	15425.5	15518.3	16095.7	17322.7	19080.7	20921.3	22122.5	21988.5	20941.9	20132.5
27.5°	14677.9	14775.9	15404.8	16740.1	18688.9	21024.4	22906.2	22973.2	21741.0	20684.1
30°	14090.2	14183.0	14853.2	16271.0	18183.7	20921.3	23591.9	24055.9	22555.6	21163.6
32.5°	13445.7	13564.3	14270.6	15698.7	17585.6	20673.8	24189.9	25226.2	23499.1	21679.2
35°	12631.1	12739.4	13481.8	14915.1	16802.0	20276.8	24690.0	26525.4	24849.8	22462.8
37.5°	11641.3	11744.4	12481.6	13935.5	16023.5	19720.0	25071.5	27989.6	26458.4	23591.9
40°	10646.2	10744.2	11435.0	12842.5	15090.3	19008.6	25205.6	29422.8	28304.1	25143.7
42.5°	9733.7	9821.4	10455.5	11765.0	14043.8	18101.2	25030.3	30670.5	29959.0	26226.4
45°	8893.4	8970.7	9532.6	10754.5	12955.9	16997.9	24504.4	32010.9	31928.4	26999.7
47.5°	7934.4	8011.7	8594.3	9775.0	11868.1	15703.9	23612.5	33330.7	34666.0	28752.6
50°	6764.1	6831.1	7429.2	8645.9	10739.0	14327.3	22375.2	34367.0	38120.3	31407.7
52.5°	5377.3	5449.4	6032.0	7248.7	9398.6	12847.7	20746.0	35042.4	42110.7	35284.7
55°	4000.7	4052.3	4557.5	5650.5	7738.5	11161.8	18704.4	35233.1	46637.2	40584.6
57.5°	2902.6	2933.5	3258.3	4072.9	5867.0	9053.2	16224.6	34738.2	52024.8	47379.6
60°	2350.9	2361.2	2459.2	2820.1	4078.1	6671.3	13229.2	33036.9	57871.2	56139.0
62.5°	2134.4	2134.4	2160.2	2258.1	2758.2	4402.9	9604.8	29510.5	64140.4	67208.0
65°	1984.9	1984.9	1995.2	2041.6	2175.6	2804.6	6062.9	23767.2	69424.8	80174.2
67.5°	1850.8	1856.0	1850.8	1866.3	1943.6	2072.5	3516.1	16415.3	72270.7	93609.6
70°	1711.6	1722.0	1696.2	1696.2	1758.0	1763.2	2201.4	9001.6	69909.5	104869.4
72.5°	1546.7	1562.1	1520.9	1510.6	1557.0	1536.4	1654.9	4320.4	60021.1	108230.8
75°	1402.3	1422.9	1330.1	1304.4	1304.4	1288.9	1345.6	2216.9	38955.5	88289.1
77.5°	1273.4	1314.7	1165.2	1082.7	1062.0	1015.6	1098.1	1355.9	17039.1	41450.7
80°	1051.7	1108.4	958.9	861.0	824.9	773.3	866.1	948.6	5067.9	9625.4
82.5°	783.6	809.4	680.5	613.5	582.6	546.5	649.6	659.9	1649.8	3407.8
85°	500.1	510.4	417.6	360.9	345.4	330.0	412.4	360.9	629.0	2505.6
87.5°	175.3	201.1	159.8	144.4	154.7	128.9	190.8	108.3	175.3	1768.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

18127.0
18137.3
18255.9
18379.6
18426.0
18467.2
18570.3
18797.2
19142.6
19513.8
19967.5
20508.8
20911.0
21359.5
22107.1
23117.6
24638.4
25576.8
26123.3
27742.1
30139.4
33722.6
38630.7
44920.4
53040.5
63057.7
74925.8
87943.6
103379.4
112149.0
94434.5
40589.8
9218.2
3851.2
3639.8
2191.1
0.0

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