

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: P941383

Luminaire Tested: **GALN-SB4D-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941383
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-SB4D-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24558 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

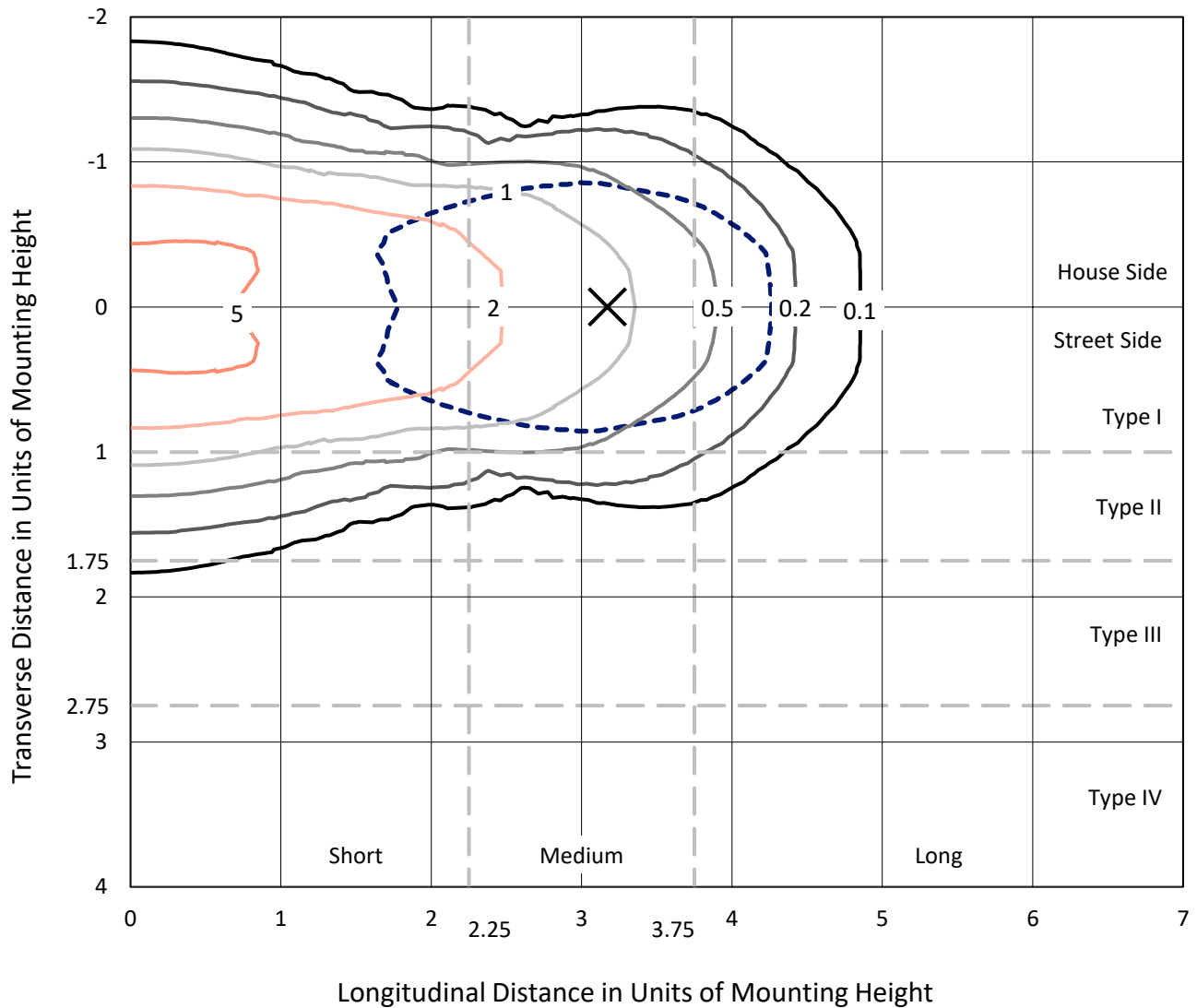
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

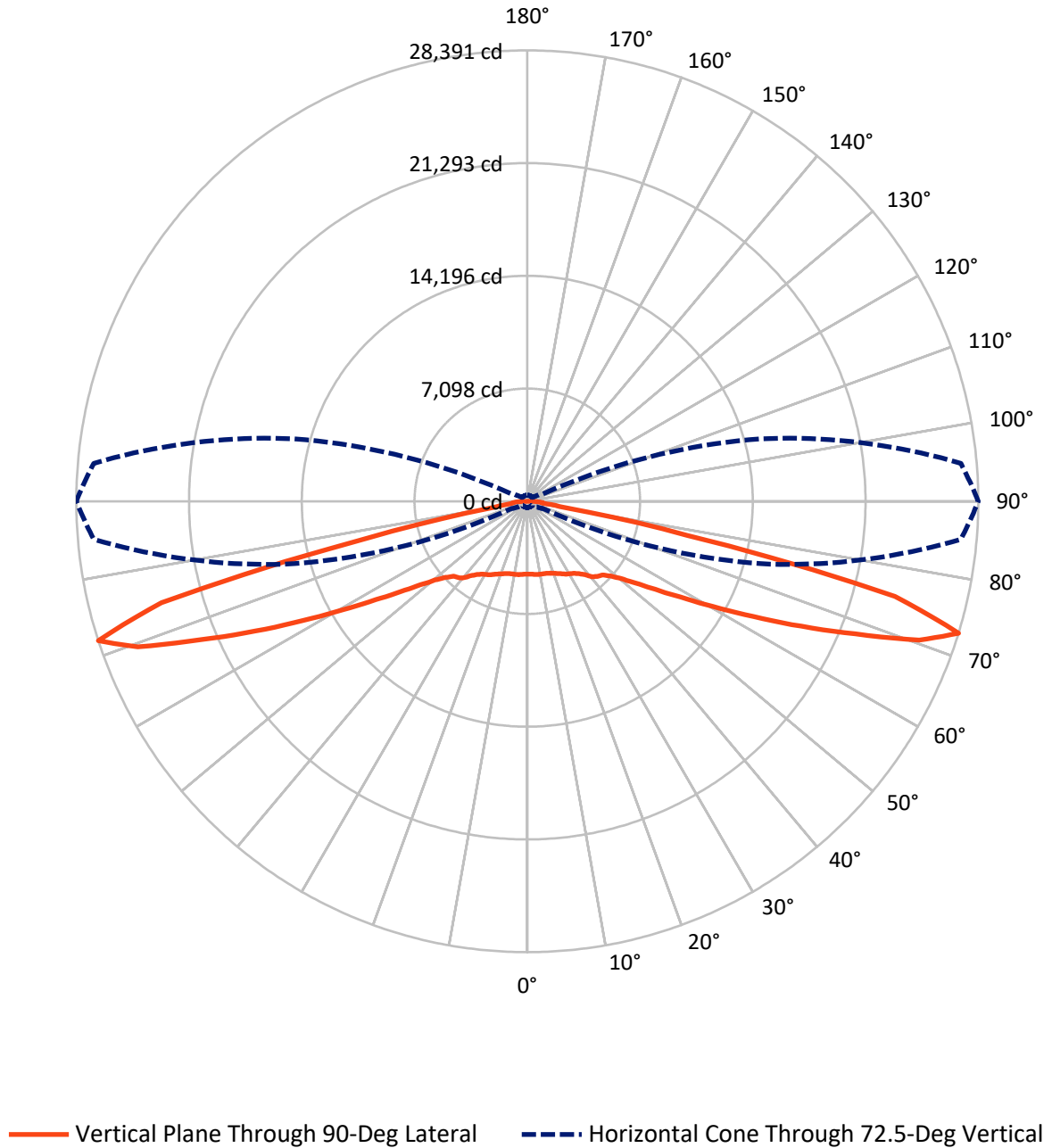
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type I - Short - N/A

REPORT NUMBER: P941383
CATALOG NUMBER: GALN-SB4D-927-U-T1

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12279.0	0.0	12279.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12279.0	0.0	12279.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24558.0	0.0	24558.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.0	1.8
10°-20°	1360.5	5.5
20°-30°	2268.5	9.2
30°-40°	3119.9	12.7
40°-50°	3810.2	15.5
50°-60°	4406.9	17.9
60°-70°	5254.5	21.4
70°-80°	3667.3	14.9
80°-90°	225.2	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°	24558.0	100.0
0°-180°	24558.0	100.0



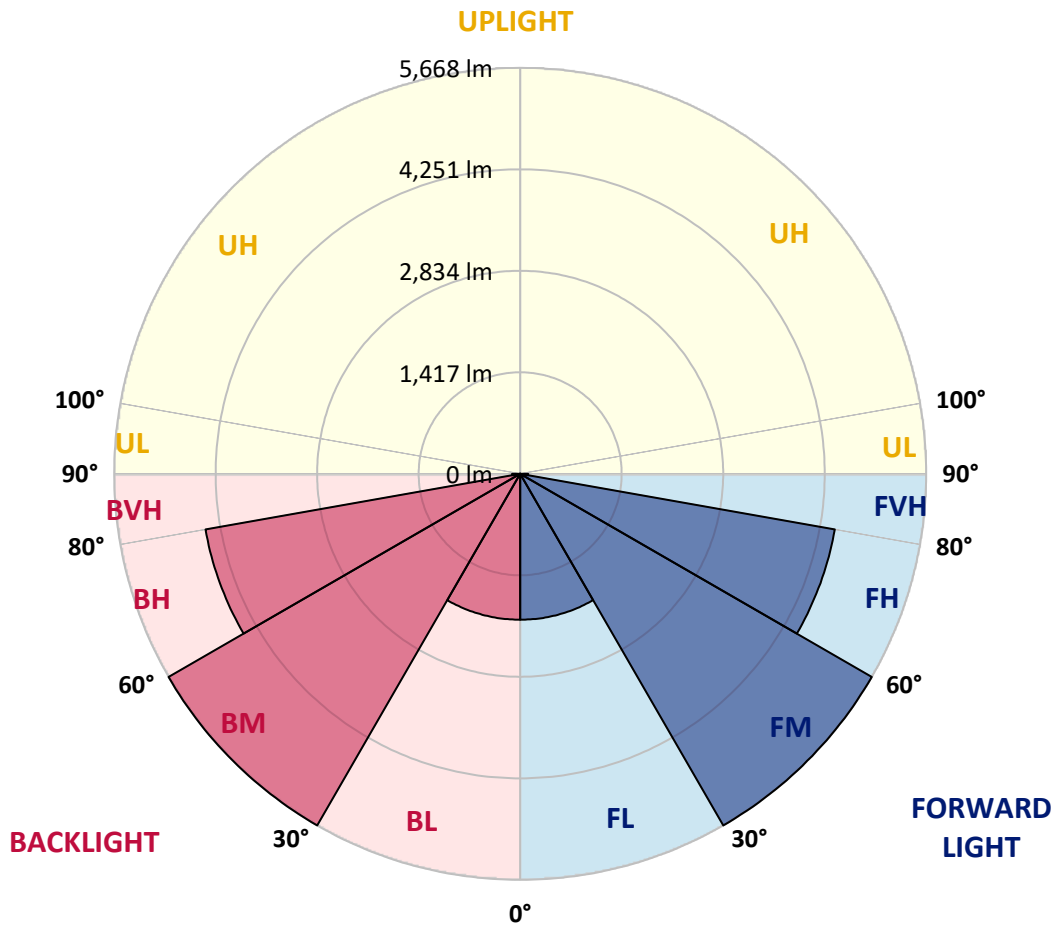
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2037.0	8.3			
FM (30°-60°)	5668.5	23.1			
FH (60°-80°)	4460.9	18.2			G2/5000
FVH (80°-90°)	112.6	0.5			G2/225
BL (0°-30°)	2037.0	8.3	B3/2500		
BM (30°-60°)	5668.5	23.1	B4/8500		
BH (60°-80°)	4460.9	18.2	B4/5000		G4/5000
BVH (80°-90°)	112.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4588.9	4588.9	4588.9	4588.9	4588.9	4588.9	4588.9	4588.9	4588.9	4588.9
2.5°	4592.8	4598.1	4598.1	4594.1	4603.3	4595.4	4595.4	4591.5	4595.4	4591.5
5°	4616.3	4622.9	4625.5	4624.2	4635.9	4629.4	4629.4	4624.2	4625.5	4621.6
7.5°	4660.7	4669.8	4675.1	4681.6	4698.6	4690.7	4685.5	4669.8	4663.3	4652.9
10°	4675.1	4685.5	4702.5	4736.4	4775.6	4776.9	4761.2	4722.0	4692.0	4668.5
12.5°	4630.7	4645.0	4680.3	4749.5	4836.9	4872.1	4847.3	4782.1	4723.4	4681.6
15°	4574.6	4590.2	4643.7	4748.2	4877.4	4959.6	4957.0	4870.8	4776.9	4711.6
17.5°	4487.1	4502.8	4579.8	4726.0	4908.7	5044.4	5081.0	4992.2	4860.4	4772.9
20°	4329.2	4343.6	4450.6	4655.5	4919.1	5134.5	5229.8	5151.4	4987.0	4868.2
22.5°	4124.3	4146.5	4271.8	4534.1	4894.3	5228.4	5399.4	5345.9	5134.5	4970.0
25°	3905.0	3928.5	4074.7	4385.3	4830.4	5296.3	5600.4	5566.5	5301.5	5096.6
27.5°	3715.8	3740.6	3899.8	4237.8	4731.2	5322.4	5798.8	5815.8	5503.8	5236.3
30°	3567.0	3590.5	3760.1	4119.1	4603.3	5296.3	5972.4	6089.8	5710.0	5357.7
32.5°	3403.8	3433.9	3612.7	3974.2	4451.9	5233.7	6123.8	6386.1	5948.9	5488.2
35°	3197.6	3225.0	3413.0	3775.8	4253.5	5133.2	6250.4	6715.0	6290.8	5686.6
37.5°	2947.0	2973.1	3159.8	3527.8	4056.4	4992.2	6347.0	7085.7	6698.1	5972.4
40°	2695.1	2719.9	2894.8	3251.1	3820.2	4812.1	6380.9	7448.5	7165.3	6365.2
42.5°	2464.1	2486.3	2646.9	2978.4	3555.2	4582.4	6336.5	7764.4	7584.3	6639.3
45°	2251.4	2271.0	2413.2	2722.6	3279.9	4303.1	6203.4	8103.7	8082.8	6835.1
47.5°	2008.6	2028.2	2175.7	2474.6	3004.5	3975.5	5977.6	8437.8	8775.9	7278.8
50°	1712.4	1729.3	1880.7	2188.7	2718.6	3627.0	5664.4	8700.2	9650.3	7951.0
52.5°	1361.3	1379.5	1527.0	1835.0	2379.3	3252.4	5251.9	8871.1	10660.5	8932.5
55°	1012.8	1025.9	1153.8	1430.4	1959.0	2825.7	4735.1	8919.4	11806.4	10274.2
57.5°	734.8	742.6	824.9	1031.1	1485.3	2291.9	4107.3	8794.1	13170.3	11994.4
60°	595.2	597.8	622.6	713.9	1032.4	1688.9	3349.0	8363.4	14650.4	14211.8
62.5°	540.3	540.3	546.9	571.7	698.3	1114.6	2431.5	7470.7	16237.4	17014.0
65°	502.5	502.5	505.1	516.8	550.8	710.0	1534.9	6016.8	17575.2	20296.5
67.5°	468.6	469.9	468.6	472.5	492.0	524.7	890.1	4155.6	18295.6	23697.7
70°	433.3	435.9	429.4	429.4	445.1	446.4	557.3	2278.8	17697.9	26548.1
72.5°	391.5	395.5	385.0	382.4	394.2	388.9	419.0	1093.7	15194.6	27399.1
75°	355.0	360.2	336.7	330.2	330.2	326.3	340.6	561.2	9861.7	22350.8
77.5°	322.4	332.8	295.0	274.1	268.9	257.1	278.0	343.3	4313.5	10493.4
80°	266.3	280.6	242.8	218.0	208.8	195.8	219.3	240.1	1283.0	2436.7
82.5°	198.4	204.9	172.3	155.3	147.5	138.3	164.4	167.1	417.6	862.7
85°	126.6	129.2	105.7	91.4	87.4	83.5	104.4	91.4	159.2	634.3
87.5°	44.4	50.9	40.5	36.5	39.2	32.6	48.3	27.4	44.4	447.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4588.9
4591.5
4621.6
4652.9
4664.6
4675.1
4701.2
4758.6
4846.0
4940.0
5054.9
5191.9
5293.7
5407.3
5596.5
5852.3
6237.3
6474.9
6613.2
7023.0
7629.9
8537.0
9779.5
11371.8
13427.4
15963.3
18967.8
22263.3
26170.9
28391.0
23906.5
10275.5
2333.6
975.0
921.4
554.7
0.0

OF REPORT)