

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: P944783

Luminaire Tested: **GALN-SB9D-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944783
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-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 55813 lumens
Efficiency: N/A
Efficacy: 84.8 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

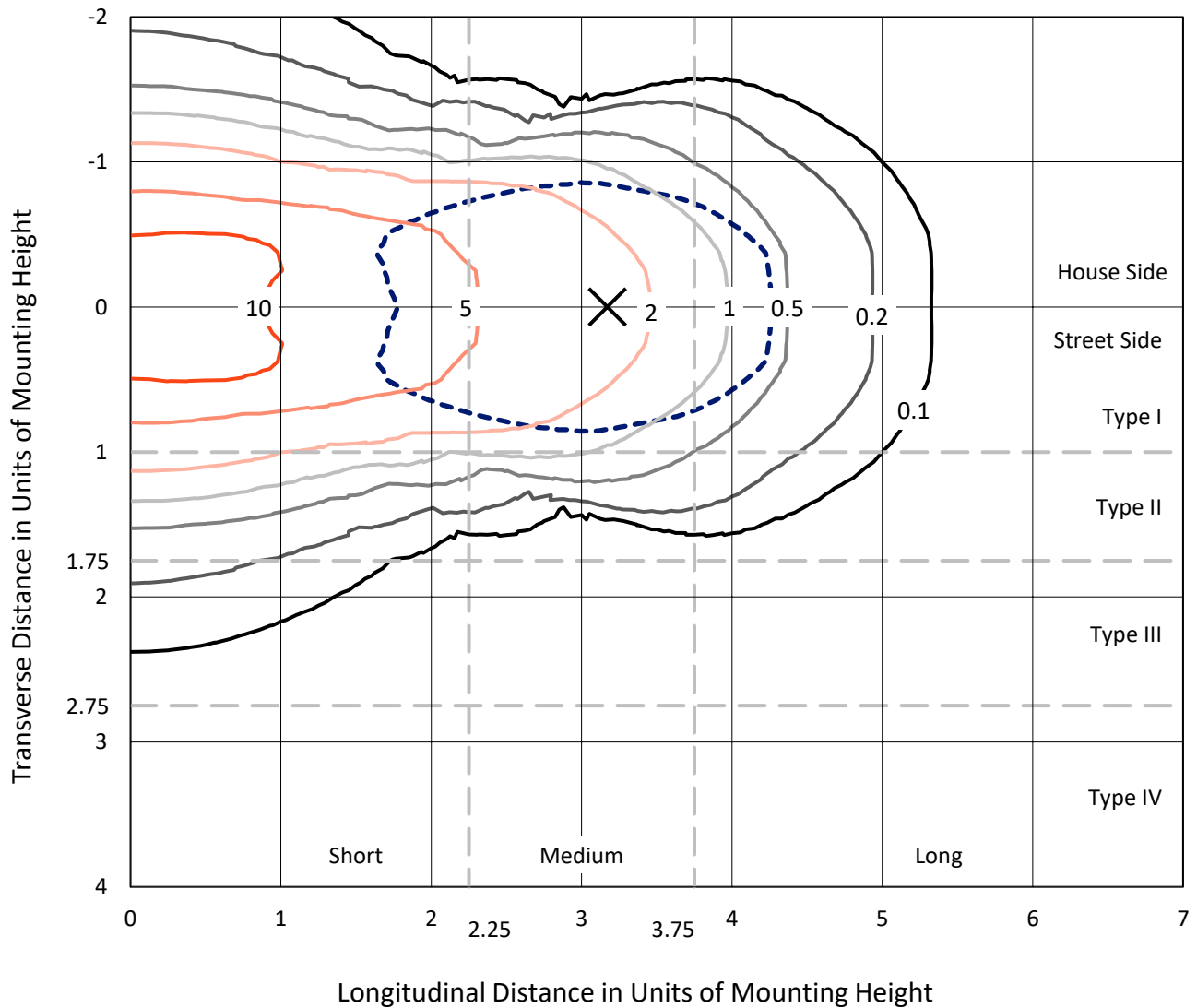
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

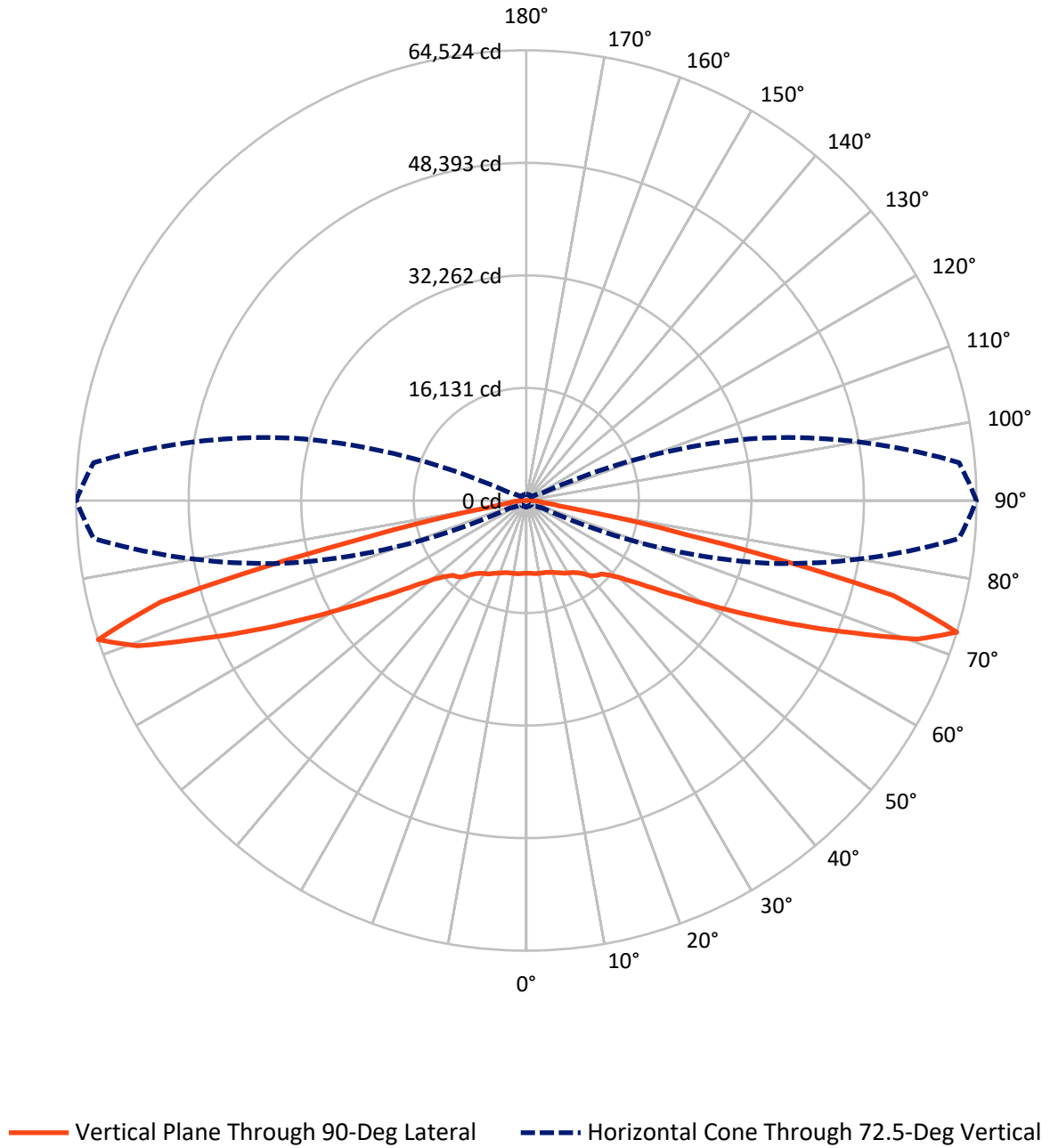
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.7 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	27906.5	0.0	27906.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27906.5	0.0	27906.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	55813.0	0.0	55813.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1011.2	1.8
10°-20°	3092.0	5.5
20°-30°	5155.6	9.2
30°-40°	7090.5	12.7
40°-50°	8659.5	15.5
50°-60°	10015.6	17.9
60°-70°	11942.0	21.4
70°-80°	8334.7	14.9
80°-90°	511.9	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°	55813.0	100.0
0°-180°	55813.0	100.0

Coefficient of Utilization



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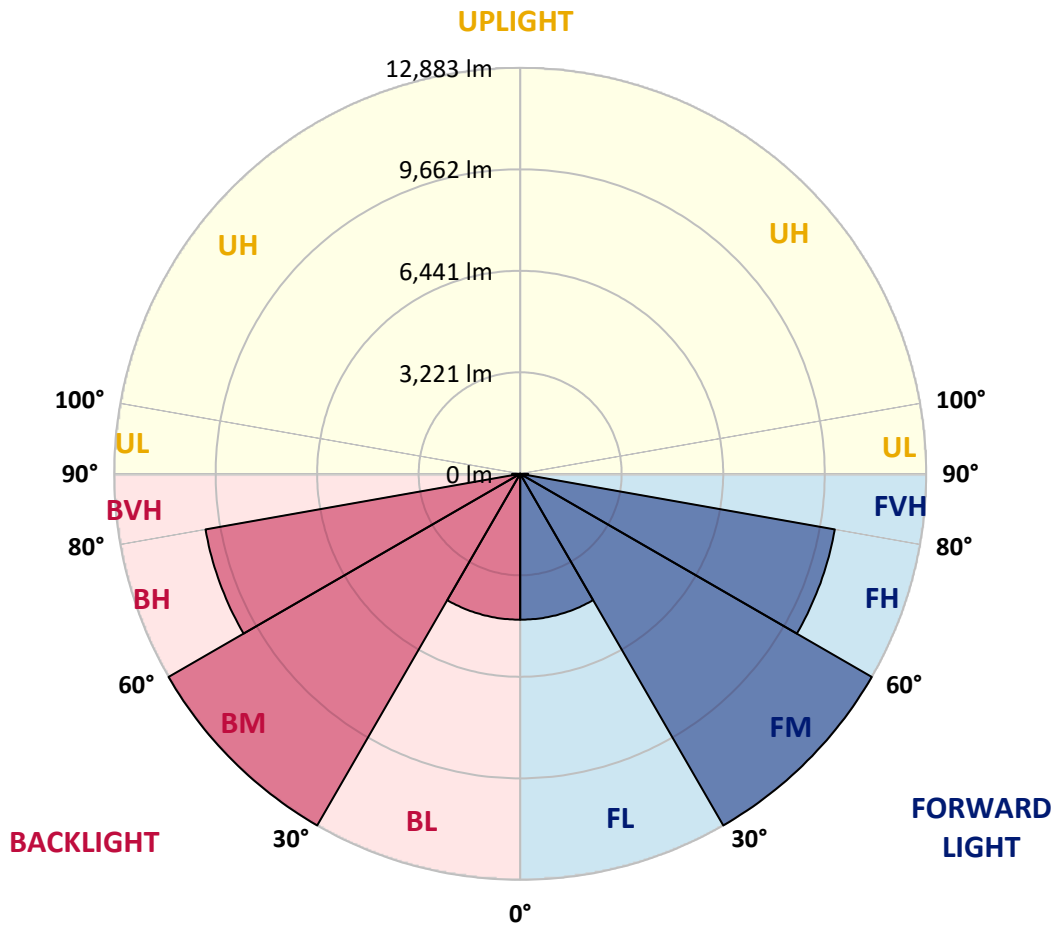
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4629.4	8.3			
FM (30°-60°)	12882.8	23.1			
FH (60°-80°)	10138.3	18.2			G4/12000
FVH (80°-90°)	256.0	0.5			G3/500
BL (0°-30°)	4629.4	8.3	B4/5000		
BM (30°-60°)	12882.8	23.1	B5		
BH (60°-80°)	10138.3	18.2	B5		G5
BVH (80°-90°)	256.0	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°
0°	10429.2	10429.2	10429.2	10429.2	10429.2	10429.2	10429.2	10429.2	10429.2	10429.2
2.5°	10438.1	10450.0	10450.0	10441.1	10461.9	10444.1	10444.1	10435.2	10444.1	10435.2
5°	10491.5	10506.4	10512.3	10509.3	10536.0	10521.2	10521.2	10509.3	10512.3	10503.4
7.5°	10592.4	10613.2	10625.0	10639.9	10678.4	10660.6	10648.7	10613.2	10598.3	10574.6
10°	10625.0	10648.7	10687.3	10764.4	10853.4	10856.4	10820.8	10731.8	10663.6	10610.2
12.5°	10524.2	10556.8	10636.9	10794.1	10992.8	11072.9	11016.6	10868.2	10734.8	10639.9
15°	10396.6	10432.2	10553.8	10791.1	11084.8	11271.7	11265.7	11070.0	10856.4	10708.1
17.5°	10197.9	10233.5	10408.5	10740.7	11156.0	11464.5	11547.5	11345.8	11046.2	10847.5
20°	9839.0	9871.6	10114.8	10580.5	11179.7	11669.1	11885.7	11707.7	11333.9	11064.0
22.5°	9373.3	9423.7	9708.5	10304.7	11123.3	11882.7	12271.3	12149.7	11669.1	11295.4
25°	8874.9	8928.3	9260.6	9966.5	10978.0	12036.9	12728.1	12651.0	12048.8	11583.1
27.5°	8444.8	8501.2	8863.1	9631.3	10752.6	12096.3	13178.9	13217.5	12508.6	11900.5
30°	8106.7	8160.1	8545.7	9361.4	10461.9	12036.9	13573.4	13840.4	12977.2	12176.4
32.5°	7735.9	7804.1	8210.5	9032.2	10117.8	11894.6	13917.5	14513.7	13520.1	12473.0
35°	7267.3	7329.5	7756.7	8581.3	9666.9	11666.2	14205.3	15261.2	14297.2	12923.8
37.5°	6697.7	6757.1	7181.2	8017.7	9219.0	11345.8	14424.8	16103.6	15222.7	13573.4
40°	6125.3	6181.6	6579.1	7388.9	8682.1	10936.5	14501.9	16928.2	16284.6	14466.3
42.5°	5600.2	5650.7	6015.5	6768.9	8080.0	10414.4	14401.0	17646.1	17236.7	15089.2
45°	5116.7	5161.2	5484.6	6187.5	7454.1	9779.6	14098.5	18417.3	18369.8	15534.1
47.5°	4565.0	4609.5	4944.7	5624.0	6828.3	9035.1	13585.3	19176.6	19944.9	16542.6
50°	3891.7	3930.2	4274.3	4974.4	6178.6	8243.1	12873.4	19772.9	21932.3	18070.2
52.5°	3093.8	3135.3	3470.5	4170.5	5407.4	7391.8	11936.1	20161.4	24228.1	20300.8
55°	2301.8	2331.5	2622.1	3251.0	4452.3	6421.9	10761.5	20271.2	26832.5	23350.1
57.5°	1670.0	1687.8	1874.7	2343.3	3375.6	5208.7	9334.7	19986.4	29932.2	27259.6
60°	1352.6	1358.5	1414.9	1622.5	2346.3	3838.3	7611.3	19007.6	33295.9	32299.2
62.5°	1228.0	1228.0	1242.8	1299.2	1586.9	2533.2	5526.1	16978.7	36902.8	38667.7
65°	1142.0	1142.0	1147.9	1174.6	1251.7	1613.6	3488.3	13674.3	39943.2	46127.8
67.5°	1064.9	1067.8	1064.9	1073.8	1118.3	1192.4	2023.0	9444.5	41580.5	53857.8
70°	984.8	990.7	975.9	975.9	1011.5	1014.4	1266.6	5179.0	40222.0	60336.0
72.5°	889.9	898.8	875.0	869.1	895.8	883.9	952.2	2485.7	34532.8	62270.0
75°	806.8	818.7	765.3	750.5	750.5	741.6	774.2	1275.5	22412.8	50796.6
77.5°	732.7	756.4	670.4	622.9	611.0	584.3	631.8	780.1	9803.4	23848.5
80°	605.1	637.7	551.7	495.4	474.6	444.9	498.3	545.8	2915.8	5537.9
82.5°	450.9	465.7	391.5	353.0	335.2	314.4	373.7	379.7	949.2	1960.7
85°	287.7	293.7	240.3	207.6	198.7	189.8	237.3	207.6	361.9	1441.6
87.5°	100.9	115.7	92.0	83.1	89.0	74.2	109.8	62.3	100.9	1017.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

10429.2
10435.2
10503.4
10574.6
10601.3
10625.0
10684.3
10814.9
11013.6
11227.2
11488.2
11799.6
12031.0
12289.1
12719.2
13300.6
14175.6
14715.4
15029.9
15961.3
17340.6
19402.1
22225.9
25844.7
30516.5
36279.9
43108.2
50597.9
59478.8
64524.3
54332.3
23353.1
5303.6
2215.8
2094.2
1260.6
0.0

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