

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: P938783

Luminaire Tested: **GALN-SB1A-827-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938783
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-SB1A-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3860 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

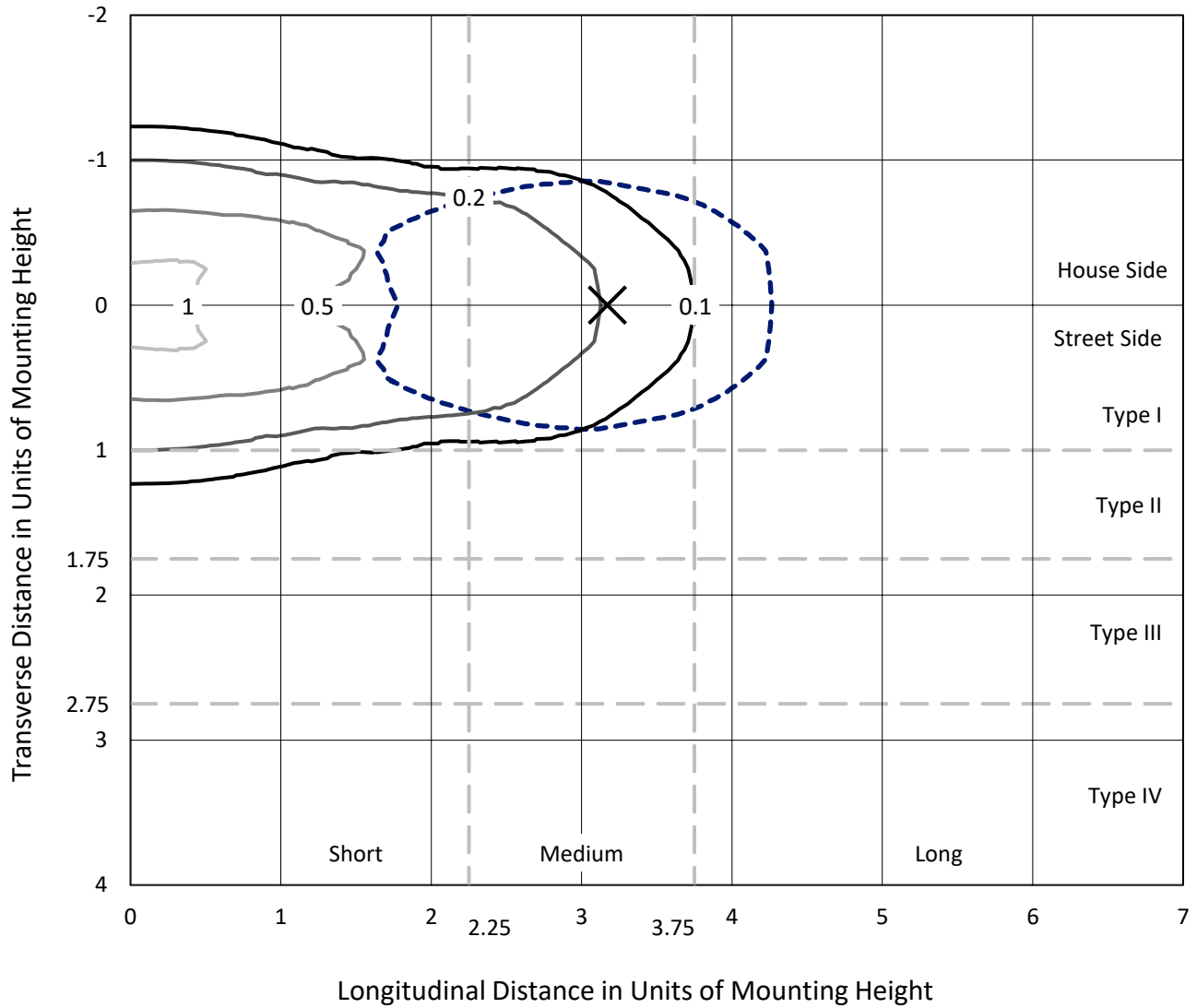
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

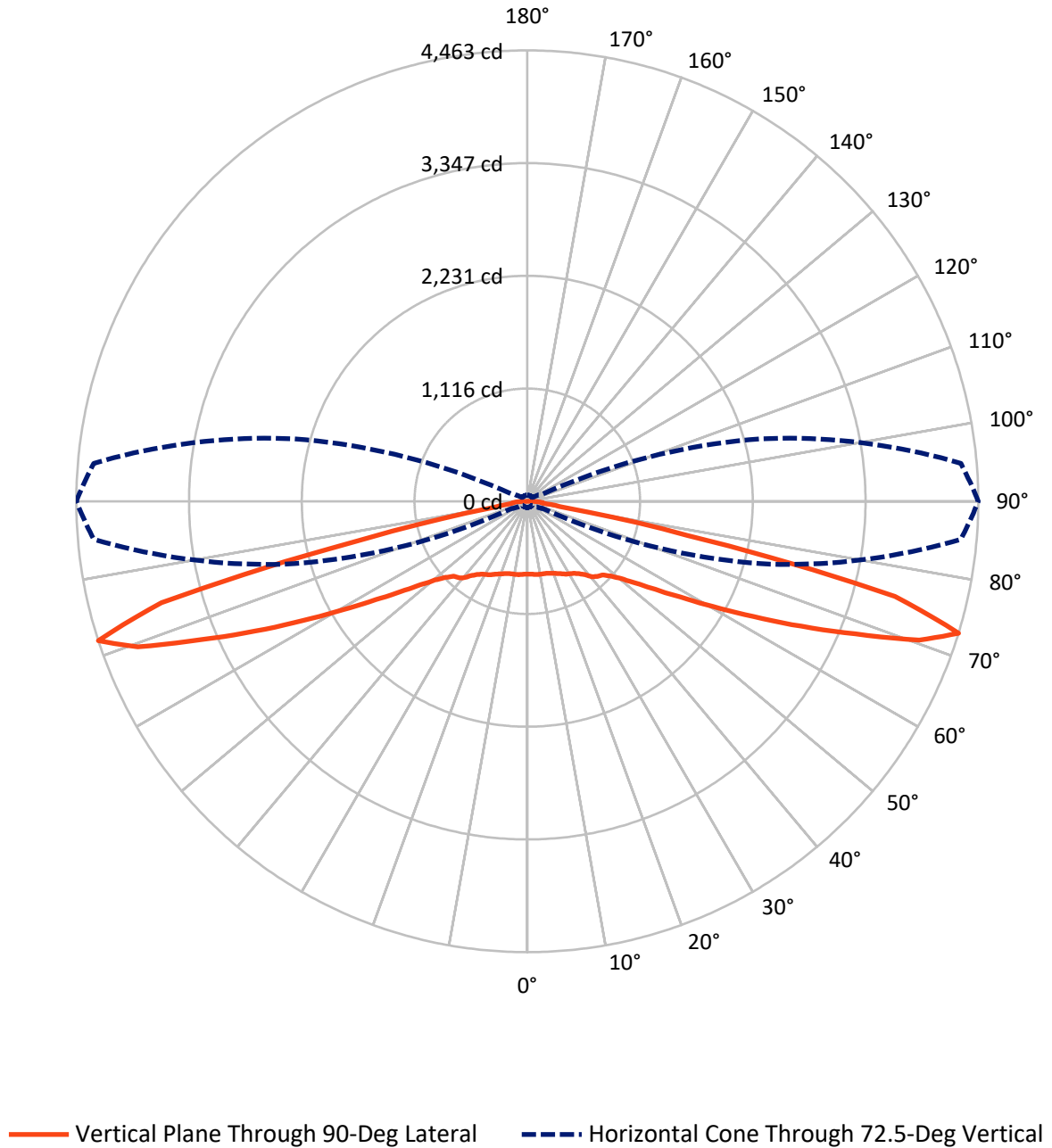
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	1930.0	0.0	1930.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1930.0	0.0	1930.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3860.0	0.0	3860.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	1.8
10°-20°	213.8	5.5
20°-30°	356.6	9.2
30°-40°	490.4	12.7
40°-50°	598.9	15.5
50°-60°	692.7	17.9
60°-70°	825.9	21.4
70°-80°	576.4	14.9
80°-90°	35.4	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°	3860.0	100.0
0°-180°	3860.0	100.0

Coefficient of Utilization



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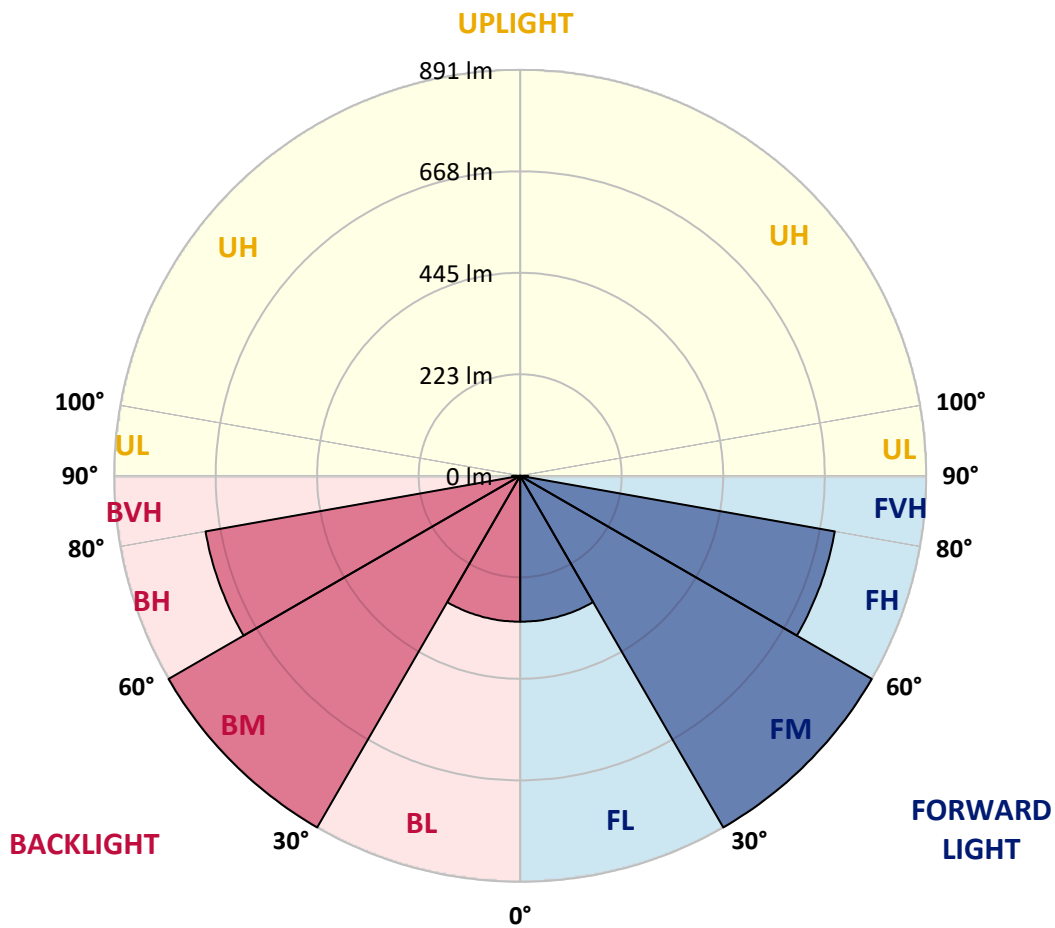
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	320.2	8.3			
FM (30°-60°)	891.0	23.1			
FH (60°-80°)	701.2	18.2			G1/1800
FVH (80°-90°)	17.7	0.5			G1/100
BL (0°-30°)	320.2	8.3	B1/500		
BM (30°-60°)	891.0	23.1	B1/1000		
BH (60°-80°)	701.2	18.2	B2/1000		G2/1000
BVH (80°-90°)	17.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	721.3	721.3	721.3	721.3	721.3	721.3	721.3	721.3	721.3	721.3
2.5°	721.9	722.7	722.7	722.1	723.5	722.3	722.3	721.7	722.3	721.7
5°	725.6	726.6	727.0	726.8	728.7	727.6	727.6	726.8	727.0	726.4
7.5°	732.6	734.0	734.8	735.8	738.5	737.3	736.5	734.0	733.0	731.3
10°	734.8	736.5	739.1	744.5	750.6	750.8	748.4	742.2	737.5	733.8
12.5°	727.8	730.1	735.6	746.5	760.3	765.8	761.9	751.6	742.4	735.8
15°	719.0	721.5	729.9	746.3	766.6	779.5	779.1	765.6	750.8	740.6
17.5°	705.3	707.7	719.8	742.8	771.5	792.9	798.6	784.7	764.0	750.2
20°	680.5	682.7	699.5	731.7	773.2	807.0	822.0	809.7	783.9	765.2
22.5°	648.3	651.7	671.4	712.7	769.3	821.8	848.7	840.3	807.0	781.2
25°	613.8	617.5	640.5	689.3	759.2	832.5	880.3	874.9	833.3	801.1
27.5°	584.0	587.9	613.0	666.1	743.6	836.6	911.4	914.1	865.1	823.0
30°	560.7	564.3	591.0	647.4	723.5	832.5	938.7	957.2	897.5	842.1
32.5°	535.0	539.7	567.8	624.7	699.7	822.6	962.5	1003.8	935.0	862.6
35°	502.6	506.9	536.4	593.5	668.6	806.8	982.4	1055.5	988.8	893.8
37.5°	463.2	467.3	496.7	554.5	637.6	784.7	997.6	1113.7	1052.8	938.7
40°	423.6	427.5	455.0	511.0	600.5	756.4	1002.9	1170.7	1126.2	1000.5
42.5°	387.3	390.8	416.0	468.1	558.8	720.3	996.0	1220.4	1192.1	1043.6
45°	353.9	356.9	379.3	427.9	515.5	676.4	975.0	1273.7	1270.4	1074.3
47.5°	315.7	318.8	342.0	389.0	472.2	624.9	939.6	1326.2	1379.4	1144.1
50°	269.1	271.8	295.6	344.0	427.3	570.1	890.3	1367.5	1516.8	1249.7
52.5°	214.0	216.8	240.0	288.4	374.0	511.2	825.5	1394.4	1675.6	1404.0
55°	159.2	161.2	181.3	224.8	307.9	444.1	744.3	1401.9	1855.7	1614.9
57.5°	115.5	116.7	129.7	162.1	233.5	360.2	645.6	1382.3	2070.1	1885.3
60°	93.5	94.0	97.9	112.2	162.3	265.5	526.4	1314.6	2302.7	2233.8
62.5°	84.9	84.9	86.0	89.9	109.8	175.2	382.2	1174.2	2552.2	2674.2
65°	79.0	79.0	79.4	81.2	86.6	111.6	241.2	945.7	2762.5	3190.2
67.5°	73.6	73.9	73.6	74.3	77.3	82.5	139.9	653.2	2875.7	3724.8
70°	68.1	68.5	67.5	67.5	70.0	70.2	87.6	358.2	2781.7	4172.8
72.5°	61.5	62.2	60.5	60.1	62.0	61.1	65.9	171.9	2388.3	4306.6
75°	55.8	56.6	52.9	51.9	51.9	51.3	53.5	88.2	1550.1	3513.1
77.5°	50.7	52.3	46.4	43.1	42.3	40.4	43.7	54.0	678.0	1649.3
80°	41.8	44.1	38.2	34.3	32.8	30.8	34.5	37.7	201.7	383.0
82.5°	31.2	32.2	27.1	24.4	23.2	21.7	25.8	26.3	65.6	135.6
85°	19.9	20.3	16.6	14.4	13.7	13.1	16.4	14.4	25.0	99.7
87.5°	7.0	8.0	6.4	5.7	6.2	5.1	7.6	4.3	7.0	70.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

721.3
721.7
726.4
731.3
733.2
734.8
738.9
748.0
761.7
776.5
794.5
816.1
832.1
849.9
879.7
919.9
980.4
1017.7
1039.5
1103.9
1199.3
1341.8
1537.1
1787.4
2110.5
2509.1
2981.3
3499.3
4113.5
4462.5
3757.6
1615.1
366.8
153.2
144.8
87.2
0.0

OF REPORT)