

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: P943423

Luminaire Tested: **GALN-SB7D-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943423
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-SB7D-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 43578 lumens
Efficiency: N/A
Efficacy: 85.0 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

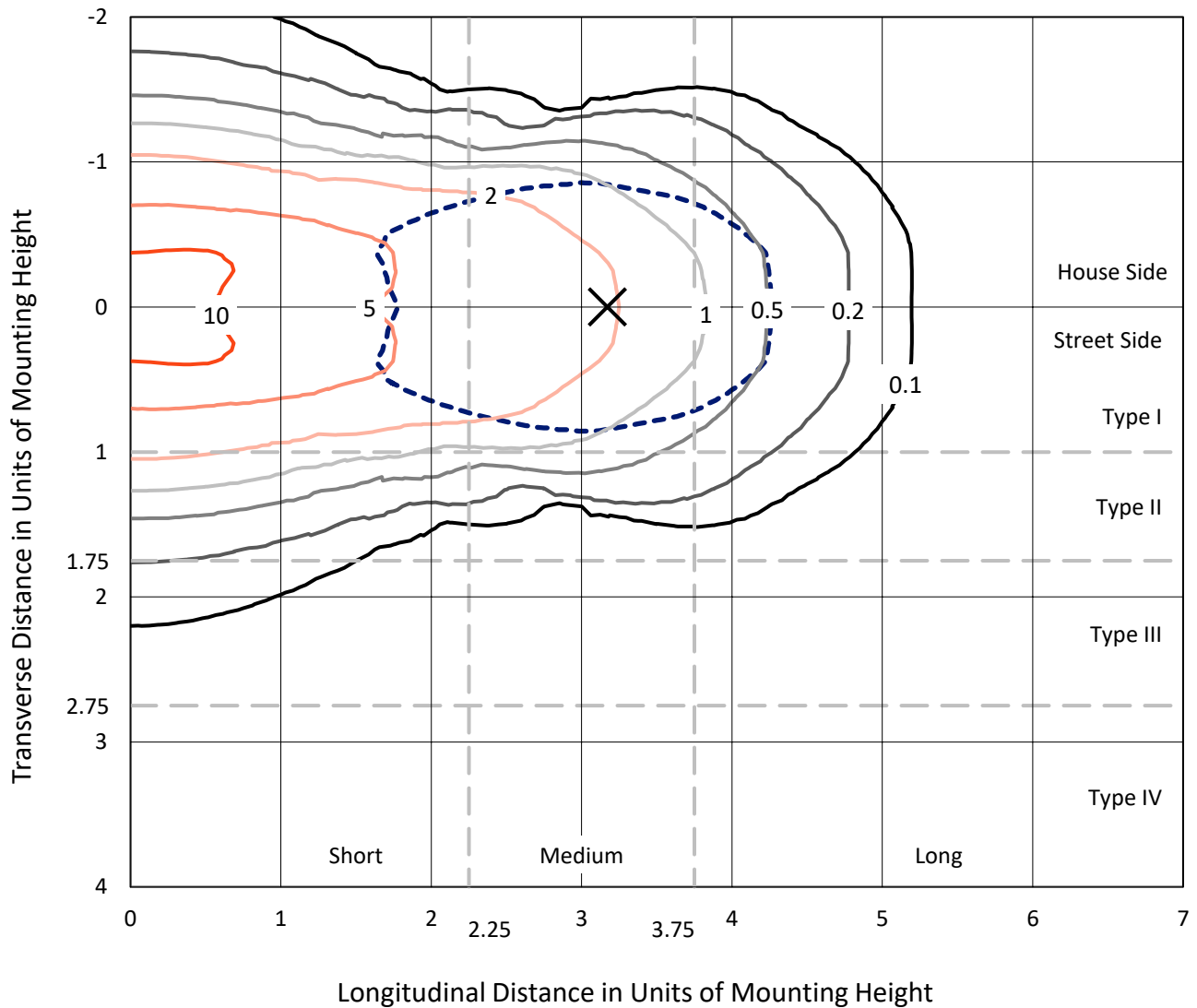
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

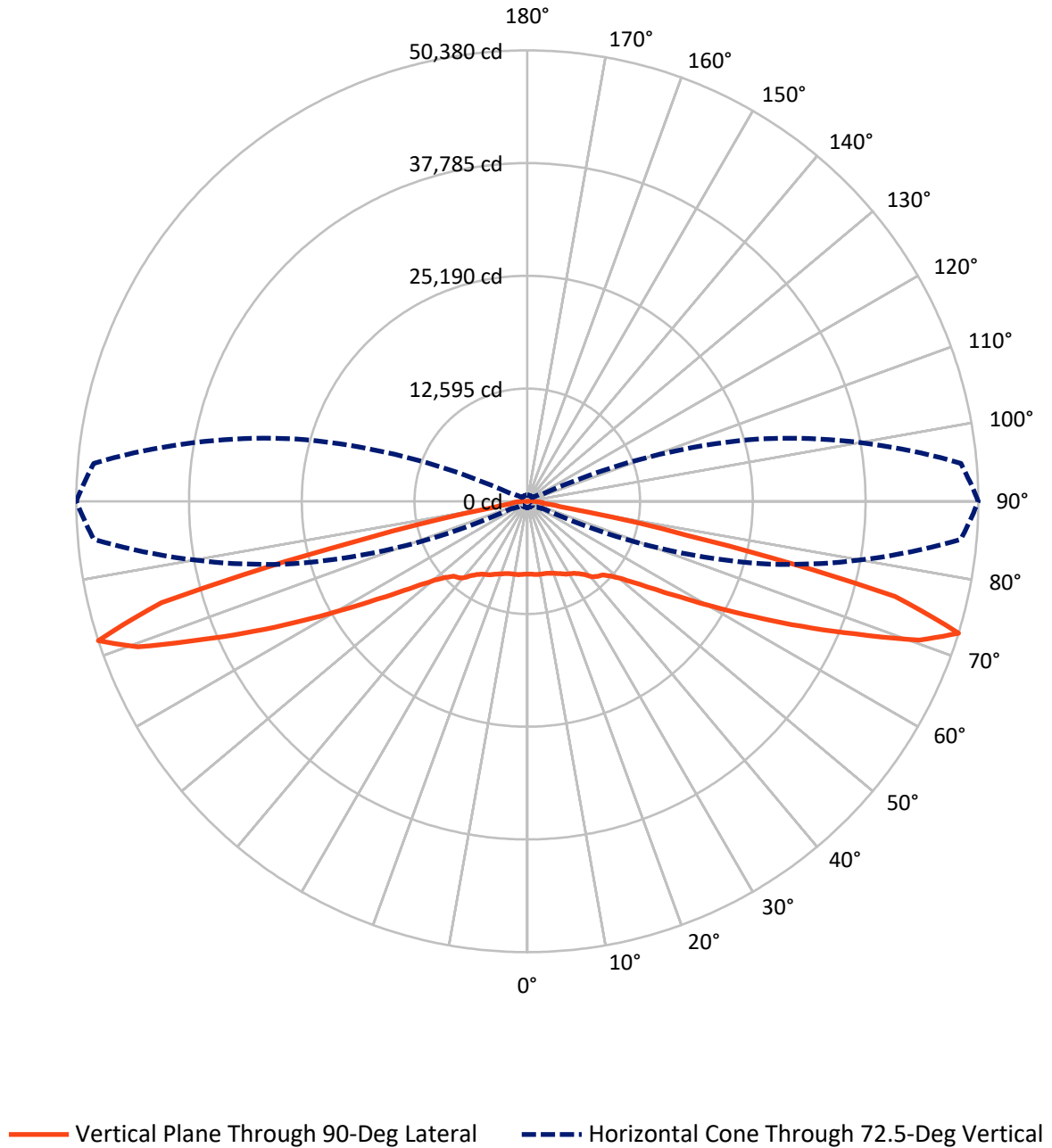
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 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	21789.0	0.0	21789.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21789.0	0.0	21789.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	43578.0	0.0	43578.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	789.6	1.8
10°-20°	2414.2	5.5
20°-30°	4025.4	9.2
30°-40°	5536.2	12.7
40°-50°	6761.2	15.5
50°-60°	7820.0	17.9
60°-70°	9324.1	21.4
70°-80°	6507.6	14.9
80°-90°	399.7	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°	43578.0	100.0
0°-180°	43578.0	100.0

Coefficient of Utilization



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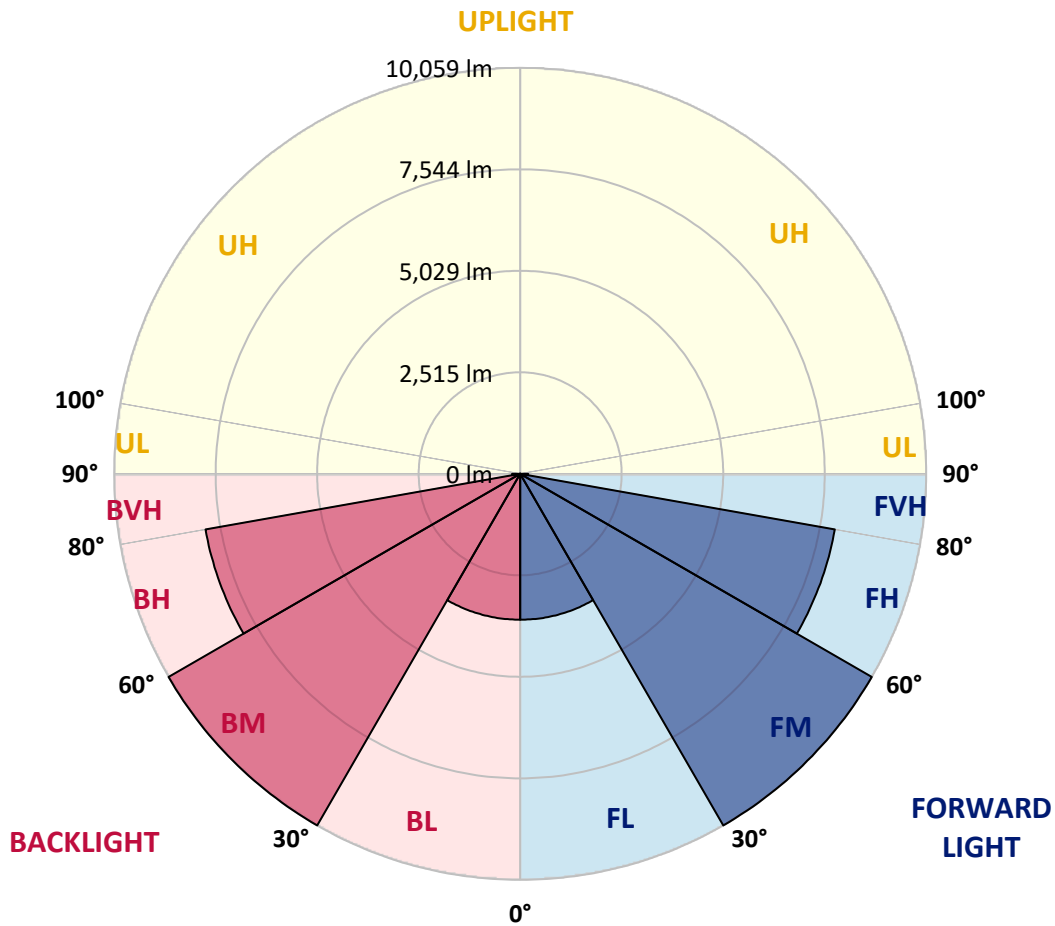
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3614.6	8.3			
FM (30°-60°)	10058.7	23.1			
FH (60°-80°)	7915.9	18.2			G4/12000
FVH (80°-90°)	199.8	0.5			G2/225
BL (0°-30°)	3614.6	8.3	B4/5000		
BM (30°-60°)	10058.7	23.1	B5		
BH (60°-80°)	7915.9	18.2	B5		G5
BVH (80°-90°)	199.8	0.5			G2/225
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°	8143.0	8143.0	8143.0	8143.0	8143.0	8143.0	8143.0	8143.0	8143.0	8143.0
2.5°	8150.0	8159.2	8159.2	8152.3	8168.5	8154.6	8154.6	8147.6	8154.6	8147.6
5°	8191.6	8203.2	8207.9	8205.5	8226.4	8214.8	8214.8	8205.5	8207.9	8200.9
7.5°	8270.4	8286.6	8295.9	8307.4	8337.6	8323.7	8314.4	8286.6	8275.0	8256.5
10°	8295.9	8314.4	8344.5	8404.7	8474.2	8476.5	8448.7	8379.2	8326.0	8284.3
12.5°	8217.1	8242.6	8305.1	8427.9	8583.0	8645.6	8601.6	8485.8	8381.6	8307.4
15°	8117.5	8145.3	8240.3	8425.6	8654.8	8800.7	8796.1	8643.3	8476.5	8360.7
17.5°	7962.4	7990.2	8126.8	8386.2	8710.4	8951.3	9016.1	8858.6	8624.7	8469.6
20°	7682.1	7707.6	7897.5	8261.1	8729.0	9111.1	9280.2	9141.2	8849.4	8638.6
22.5°	7318.5	7357.9	7580.2	8045.7	8685.0	9277.8	9581.2	9486.3	9111.1	8819.3
25°	6929.4	6971.1	7230.5	7781.7	8571.5	9398.3	9937.9	9877.7	9407.5	9043.9
27.5°	6593.6	6637.6	6920.2	7520.0	8395.5	9444.6	10289.9	10320.0	9766.5	9291.7
30°	6329.6	6371.3	6672.4	7309.3	8168.5	9398.3	10598.0	10806.4	10132.4	9507.1
32.5°	6040.1	6093.4	6410.7	7052.2	7899.8	9287.1	10866.6	11332.1	10556.3	9738.7
35°	5674.2	5722.8	6056.3	6700.1	7547.8	9108.8	11091.3	11915.8	11163.1	10090.8
37.5°	5229.5	5275.8	5607.0	6260.1	7198.1	8858.6	11262.6	12573.5	11885.6	10598.0
40°	4782.5	4826.5	5136.9	5769.1	6778.9	8539.0	11322.9	13217.3	12714.8	11295.1
42.5°	4372.6	4412.0	4696.8	5285.1	6308.7	8131.4	11244.1	13777.8	13458.2	11781.4
45°	3995.1	4029.8	4282.3	4831.1	5820.1	7635.8	11007.9	14380.0	14342.9	12128.8
47.5°	3564.3	3599.0	3860.7	4391.1	5331.4	7054.5	10607.2	14972.9	15572.7	12916.3
50°	3038.6	3068.7	3337.3	3883.9	4824.2	6436.1	10051.4	15438.4	17124.4	14109.0
52.5°	2415.6	2448.0	2709.7	3256.3	4222.0	5771.4	9319.5	15741.8	18917.0	15850.6
55°	1797.2	1820.4	2047.3	2538.3	3476.3	5014.1	8402.4	15827.5	20950.4	18231.4
57.5°	1303.9	1317.8	1463.7	1829.6	2635.6	4066.9	7288.4	15605.1	23370.6	21283.9
60°	1056.1	1060.7	1104.7	1266.8	1831.9	2996.9	5942.8	14840.8	25997.0	25218.8
62.5°	958.8	958.8	970.4	1014.4	1239.1	1977.9	4314.7	13256.7	28813.2	30191.2
65°	891.7	891.7	896.3	917.1	977.3	1259.9	2723.6	10676.7	31187.1	36015.9
67.5°	831.4	833.8	831.4	838.4	873.1	931.0	1579.5	7374.1	32465.5	42051.4
70°	768.9	773.5	762.0	762.0	789.8	792.1	988.9	4043.7	31404.8	47109.5
72.5°	694.8	701.7	683.2	678.6	699.4	690.2	743.4	1940.8	26962.7	48619.5
75°	629.9	639.2	597.5	585.9	585.9	579.0	604.5	995.9	17499.6	39661.3
77.5°	572.0	590.6	523.4	486.4	477.1	456.2	493.3	609.1	7654.3	18620.5
80°	472.5	497.9	430.8	386.8	370.6	347.4	389.1	426.1	2276.6	4323.9
82.5°	352.0	363.6	305.7	275.6	261.7	245.5	291.8	296.4	741.1	1530.9
85°	224.7	229.3	187.6	162.1	155.2	148.2	185.3	162.1	282.6	1125.6
87.5°	78.7	90.3	71.8	64.8	69.5	57.9	85.7	48.6	78.7	794.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

8143.0
8147.6
8200.9
8256.5
8277.3
8295.9
8342.2
8444.1
8599.3
8766.0
8969.8
9213.0
9393.6
9595.1
9931.0
10384.9
11068.1
11489.6
11735.1
12462.3
13539.3
15148.9
17353.7
20179.2
23826.9
28326.8
33658.2
39506.1
46440.2
50379.7
42421.9
18233.8
4141.0
1730.0
1635.1
984.3
0.0

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