

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: P943253

Luminaire Tested: **GALN-SB7C-927-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943253
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-SB7C-927-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32071 lumens
Efficiency: N/A
Efficacy: 91.5 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

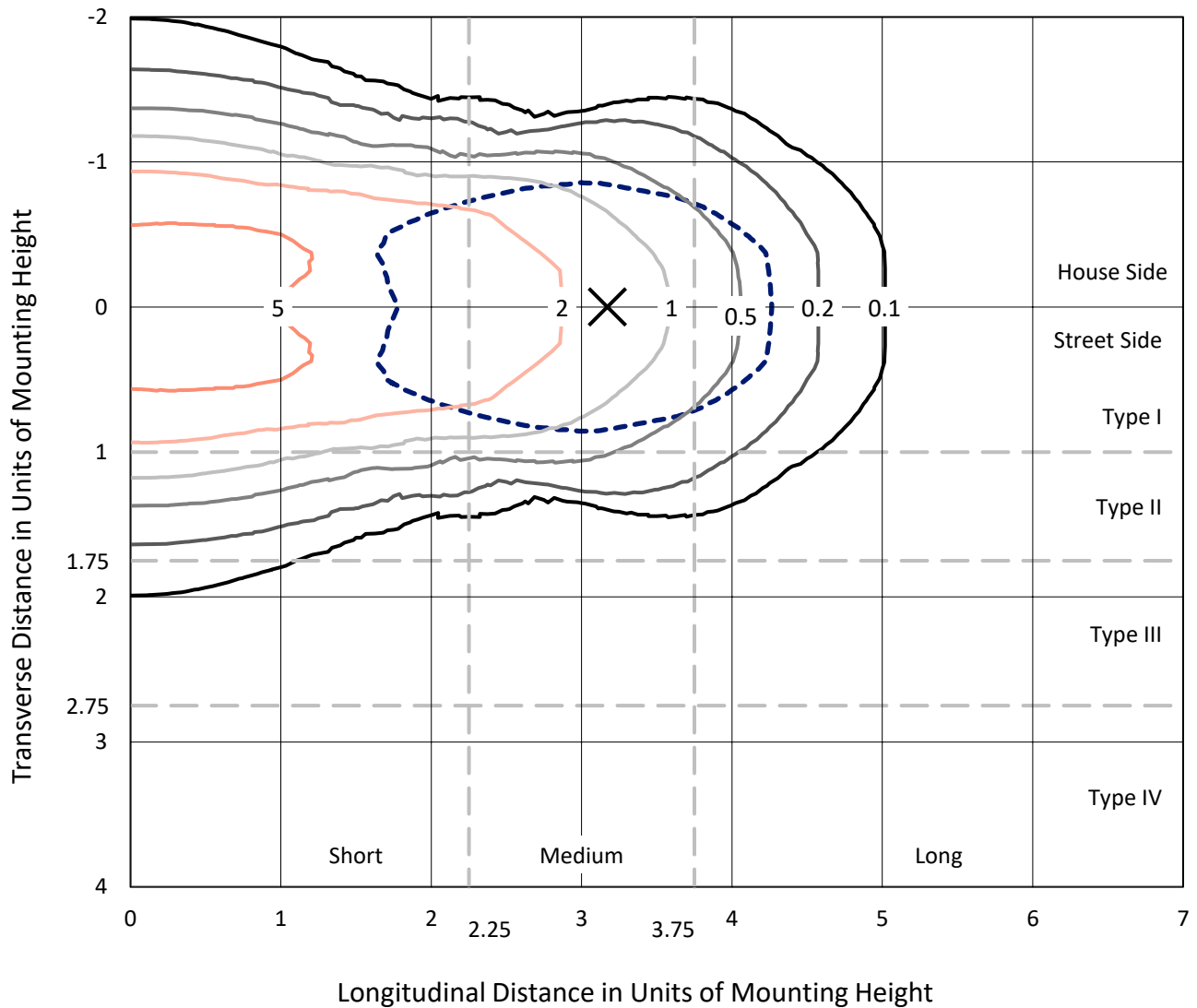
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

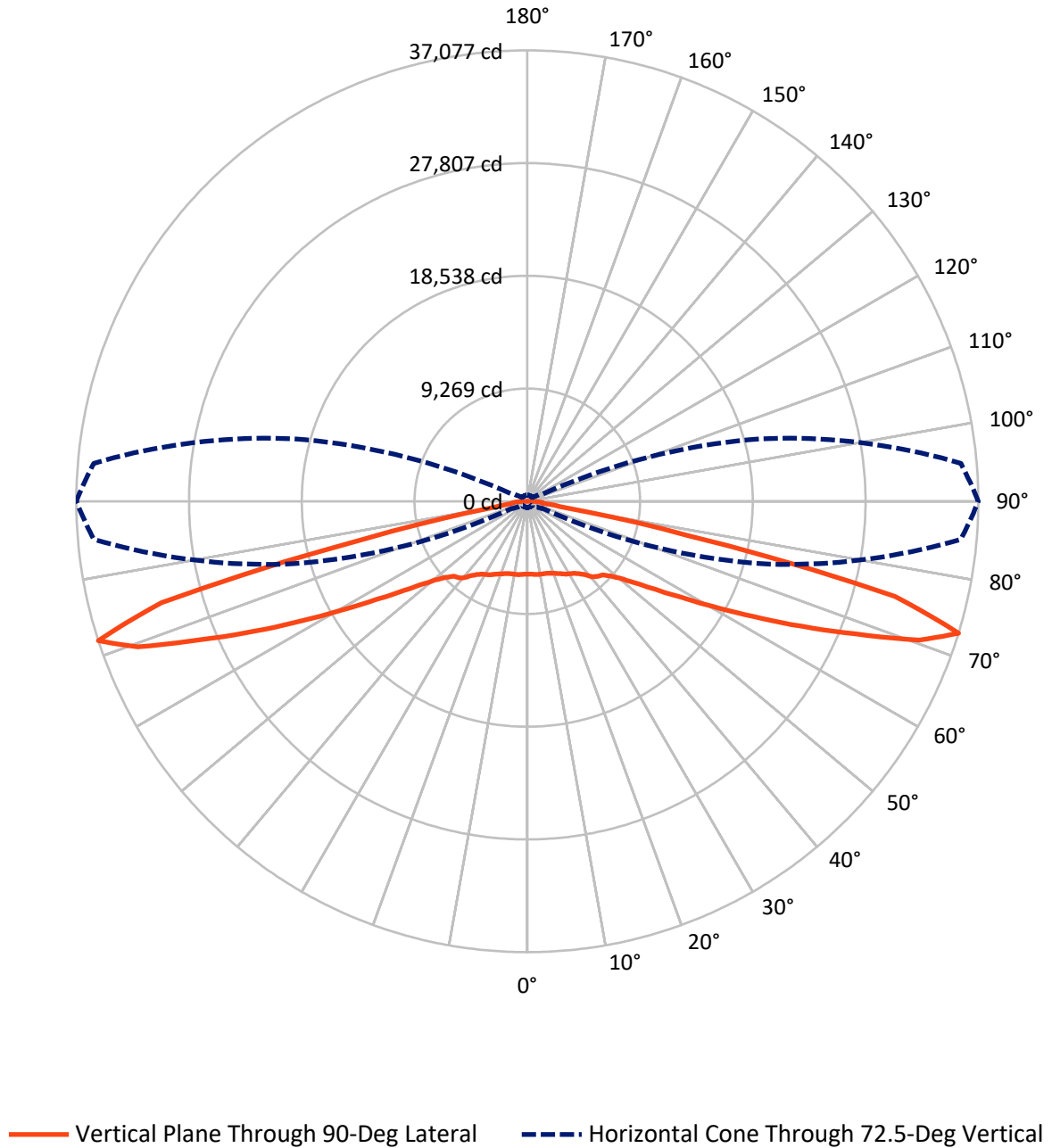
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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	16035.5	0.0	16035.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16035.5	0.0	16035.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32071.0	0.0	32071.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	581.1	1.8
10°-20°	1776.7	5.5
20°-30°	2962.5	9.2
30°-40°	4074.3	12.7
40°-50°	4975.9	15.5
50°-60°	5755.1	17.9
60°-70°	6862.0	21.4
70°-80°	4789.2	14.9
80°-90°	294.2	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°	32071.0	100.0
0°-180°	32071.0	100.0

Coefficient of Utilization



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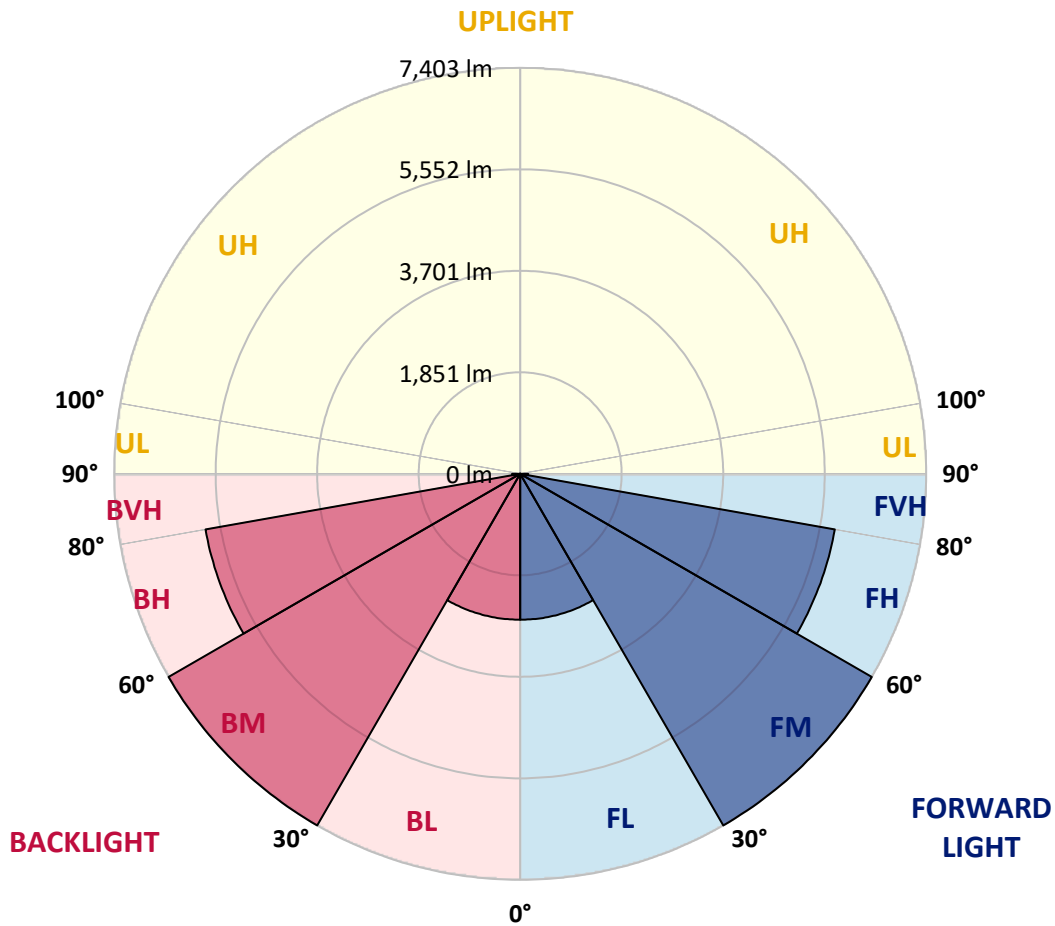
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2660.1	8.3			
FM (30°-60°)	7402.7	23.1			
FH (60°-80°)	5825.6	18.2			G3/7500
FVH (80°-90°)	147.1	0.5			G2/225
BL (0°-30°)	2660.1	8.3	B4/5000		
BM (30°-60°)	7402.7	23.1	B4/8500		
BH (60°-80°)	5825.6	18.2	B5		G5
BVH (80°-90°)	147.1	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°	5992.8	5992.8	5992.8	5992.8	5992.8	5992.8	5992.8	5992.8	5992.8	5992.8
2.5°	5997.9	6004.7	6004.7	5999.6	6011.6	6001.3	6001.3	5996.2	6001.3	5996.2
5°	6028.6	6037.1	6040.5	6038.8	6054.2	6045.6	6045.6	6038.8	6040.5	6035.4
7.5°	6086.5	6098.5	6105.3	6113.8	6136.0	6125.8	6118.9	6098.5	6090.0	6076.3
10°	6105.3	6118.9	6141.1	6185.4	6236.5	6238.2	6217.8	6166.7	6127.5	6096.8
12.5°	6047.3	6066.1	6112.1	6202.5	6316.6	6362.7	6330.3	6245.1	6168.4	6113.8
15°	5974.1	5994.5	6064.4	6200.7	6369.5	6476.9	6473.5	6361.0	6238.2	6153.0
17.5°	5859.9	5880.3	5980.9	6171.8	6410.4	6587.7	6635.4	6519.5	6347.3	6233.1
20°	5653.6	5672.4	5812.1	6079.7	6424.0	6705.3	6829.7	6727.4	6512.7	6357.6
22.5°	5386.0	5415.0	5578.6	5921.2	6391.6	6828.0	7051.3	6981.4	6705.3	6490.5
25°	5099.7	5130.4	5321.3	5726.9	6308.1	6916.6	7313.7	7269.4	6923.4	6655.8
27.5°	4852.5	4884.9	5092.9	5534.3	6178.6	6950.7	7572.8	7595.0	7187.6	6838.2
30°	4658.2	4688.9	4910.5	5379.2	6011.6	6916.6	7799.5	7952.9	7456.9	6996.7
32.5°	4445.2	4484.4	4717.9	5190.0	5813.8	6834.8	7997.2	8339.8	7768.8	7167.2
35°	4175.9	4211.7	4457.1	4930.9	5554.8	6703.6	8162.6	8769.3	8215.4	7426.2
37.5°	3848.6	3882.7	4126.4	4607.1	5297.4	6519.5	8288.7	9253.4	8747.2	7799.5
40°	3519.7	3552.0	3780.4	4245.8	4988.9	6284.3	8333.0	9727.2	9357.4	8312.5
42.5°	3218.0	3247.0	3456.6	3889.5	4642.9	5984.3	8275.0	10139.7	9904.5	8670.5
45°	2940.2	2965.7	3151.5	3555.5	4283.3	5619.5	8101.2	10582.9	10555.6	8926.1
47.5°	2623.1	2648.7	2841.3	3231.6	3923.6	5191.7	7806.3	11019.2	11460.6	9505.7
50°	2236.2	2258.4	2456.1	2858.3	3550.3	4736.6	7397.3	11361.8	12602.6	10383.4
52.5°	1777.7	1801.6	1994.2	2396.4	3107.2	4247.5	6858.7	11585.1	13921.9	11665.2
55°	1322.6	1339.7	1506.7	1868.1	2558.4	3690.1	6183.7	11648.1	15418.3	13417.3
57.5°	959.6	969.8	1077.2	1346.5	1939.7	2993.0	5363.9	11484.5	17199.5	15663.8
60°	777.2	780.6	813.0	932.3	1348.2	2205.5	4373.6	10922.0	19132.3	18559.6
62.5°	705.6	705.6	714.2	746.5	911.9	1455.6	3175.4	9756.2	21204.9	22219.1
65°	656.2	656.2	659.6	675.0	719.3	927.2	2004.4	7857.5	22952.0	26505.7
67.5°	611.9	613.6	611.9	617.0	642.6	685.2	1162.4	5426.9	23892.8	30947.5
70°	565.9	569.3	560.8	560.8	581.2	582.9	727.8	2975.9	23112.2	34670.0
72.5°	511.3	516.4	502.8	499.4	514.7	507.9	547.1	1428.3	19843.1	35781.3
75°	463.6	470.4	439.7	431.2	431.2	426.1	444.9	732.9	12878.7	29188.5
77.5°	421.0	434.6	385.2	357.9	351.1	335.8	363.0	448.3	5633.2	13703.7
80°	347.7	366.5	317.0	284.6	272.7	255.7	286.3	313.6	1675.5	3182.2
82.5°	259.1	267.6	225.0	202.8	192.6	180.7	214.8	218.2	545.4	1126.6
85°	165.3	168.7	138.1	119.3	114.2	109.1	136.4	119.3	207.9	828.4
87.5°	58.0	66.5	52.8	47.7	51.1	42.6	63.1	35.8	58.0	584.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5992.8
5996.2
6035.4
6076.3
6091.7
6105.3
6139.4
6214.4
6328.6
6451.3
6601.3
6780.3
6913.2
7061.5
7308.6
7642.7
8145.5
8455.7
8636.4
9171.6
9964.1
11148.7
12771.4
14850.8
17535.3
20847.0
24770.6
29074.3
34177.4
37076.6
31220.2
13419.0
3047.5
1273.2
1203.3
724.4
0.0

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