

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: STREETWORKS

Report Number: P942863

Luminaire Tested: **GLAN-SB7A-827-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942863
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: STREETWORKS
Catalog Number: GLAN-SB7A-827-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

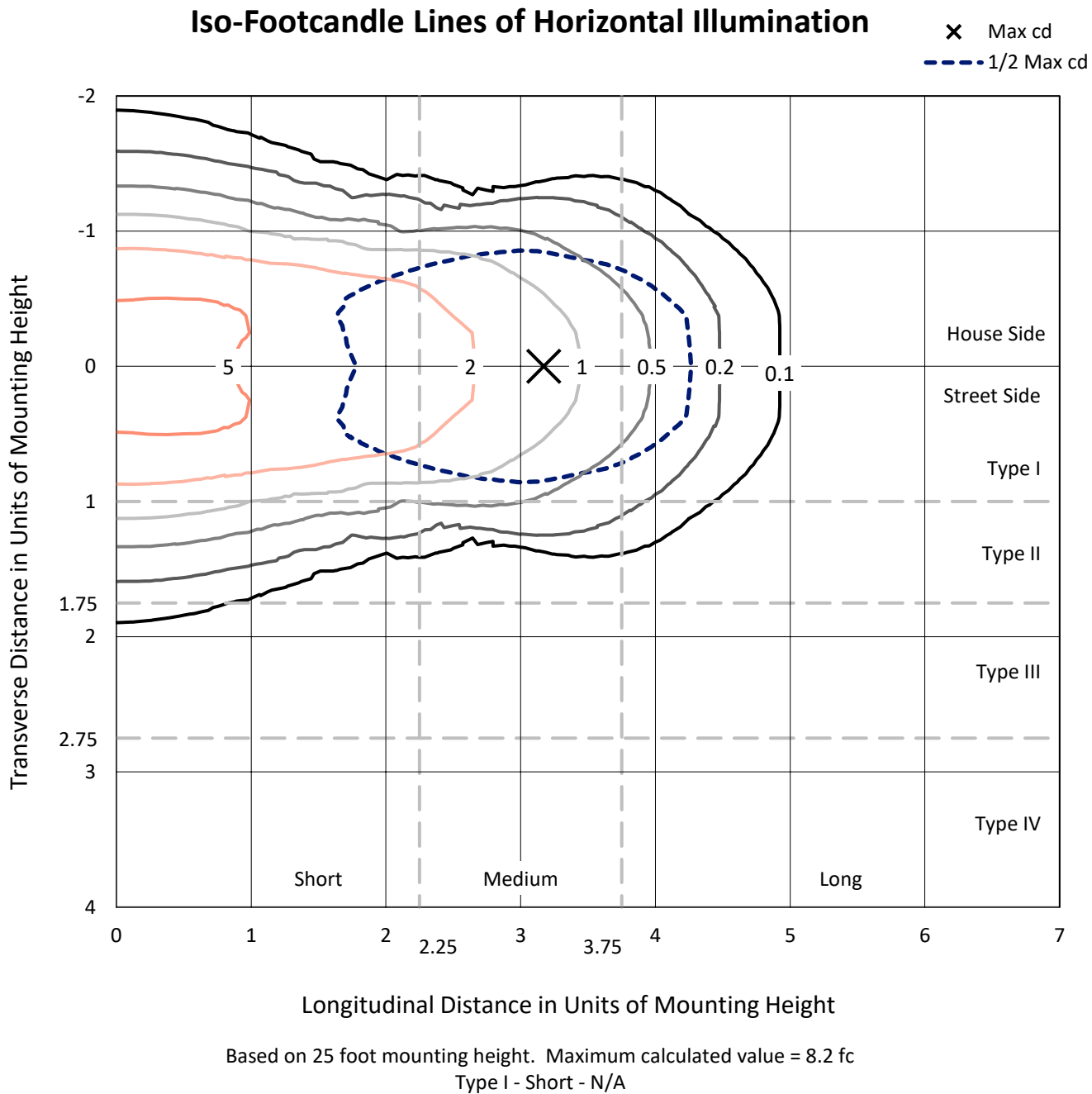
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27443 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 199.1
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

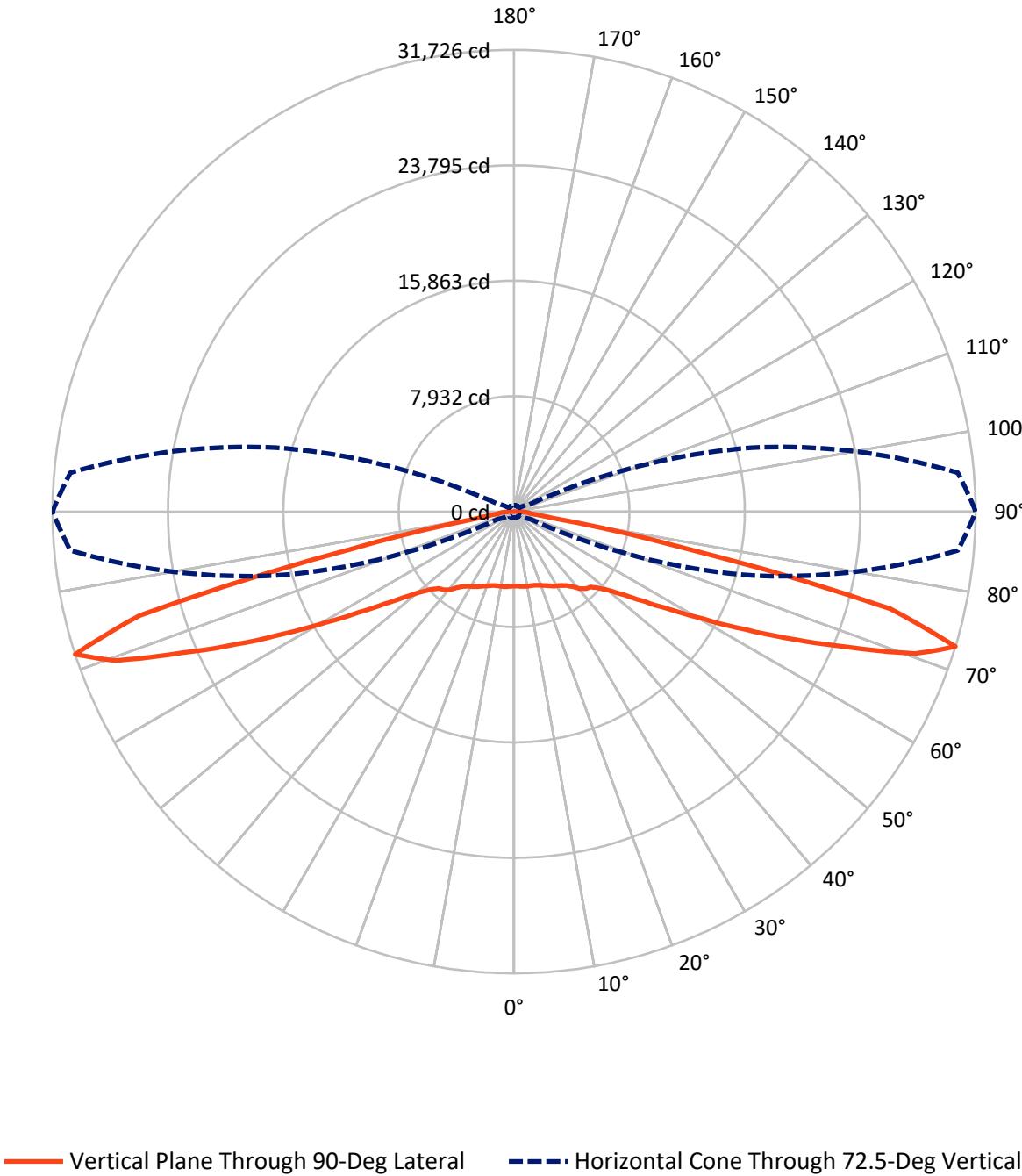


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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13721.5	0.0	13721.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13721.5	0.0	13721.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27443.0	0.0	27443.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.2	1.8
10°-20°	1520.3	5.5
20°-30°	2535.0	9.2
30°-40°	3486.4	12.7
40°-50°	4257.8	15.5
50°-60°	4924.6	17.9
60°-70°	5871.8	21.4
70°-80°	4098.1	14.9
80°-90°	251.7	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°	27443.0	100.0
0°-180°	27443.0	100.0

Coefficient of Utilization



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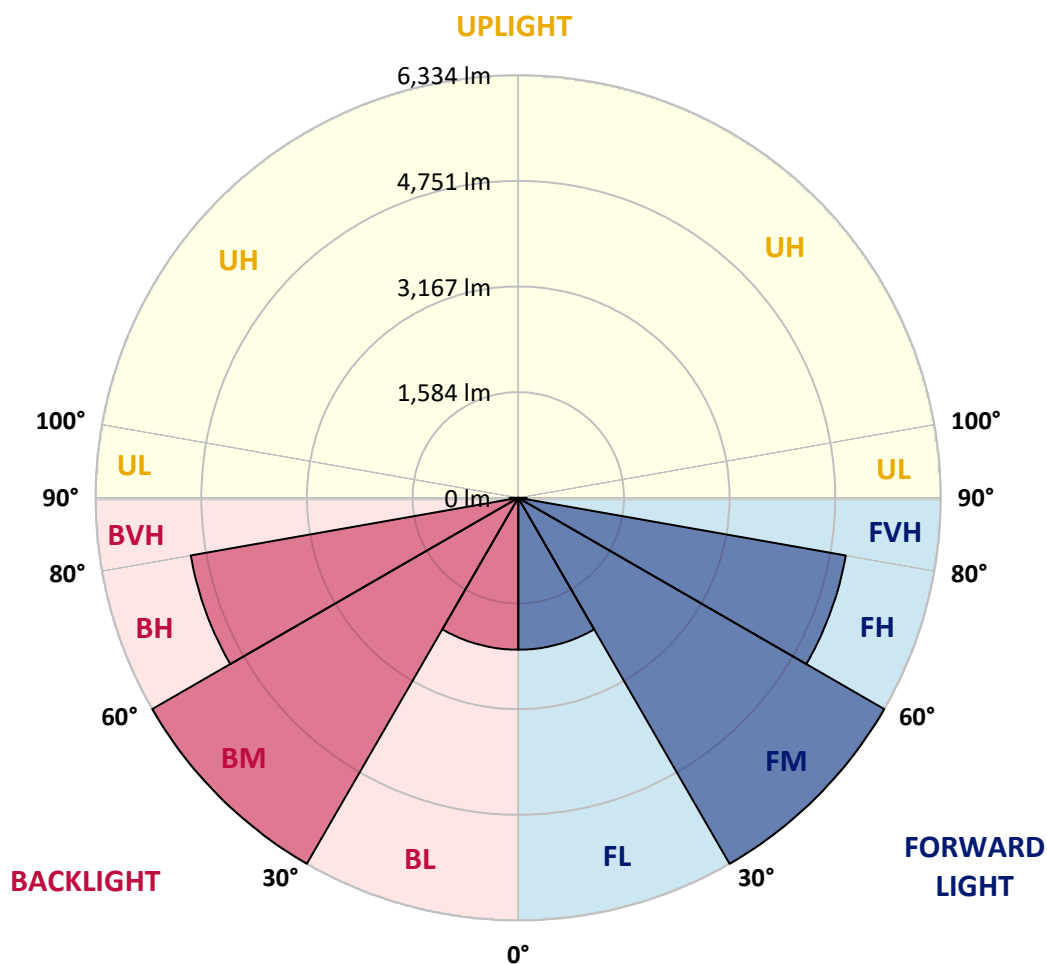
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2276.3	8.3			
FM	(30°-60°)	6334.4	23.1			
FH	(60°-80°)	4985.0	18.2			G2/5000
FVH	(80°-90°)	125.9	0.5			G2/225
BL	(0°-30°)	2276.3	8.3	B3/2500		
BM	(30°-60°)	6334.4	23.1	B4/8500		
BH	(60°-80°)	4985.0	18.2	B4/5000		G4/5000
BVH	(80°-90°)	125.9	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°	5128.0	5128.0	5128.0	5128.0	5128.0	5128.0	5128.0	5128.0	5128.0	5128.0
2.5°	5132.4	5138.2	5138.2	5133.8	5144.1	5135.3	5135.3	5130.9	5135.3	5130.9
5°	5158.6	5165.9	5168.9	5167.4	5180.5	5173.2	5173.2	5167.4	5168.9	5164.5
7.5°	5208.2	5218.4	5224.3	5231.6	5250.5	5241.8	5235.9	5218.4	5211.1	5199.5
10°	5224.3	5235.9	5254.9	5292.8	5336.6	5338.0	5320.5	5276.8	5243.2	5217.0
12.5°	5174.7	5190.7	5230.1	5307.4	5405.1	5444.5	5416.8	5343.9	5278.2	5231.6
15°	5112.0	5129.5	5189.3	5305.9	5450.3	5542.2	5539.3	5443.0	5338.0	5265.1
17.5°	5014.3	5031.8	5117.8	5281.2	5485.3	5637.0	5677.9	5578.7	5431.4	5333.7
20°	4837.8	4853.8	4973.4	5202.4	5497.0	5737.7	5844.1	5756.6	5572.9	5440.1
22.5°	4608.8	4633.6	4773.6	5066.8	5469.3	5842.7	6033.7	5973.9	5737.7	5553.9
25°	4363.8	4390.0	4553.4	4900.5	5397.8	5918.5	6258.3	6220.4	5924.3	5695.4
27.5°	4152.3	4180.0	4357.9	4735.7	5287.0	5947.7	6480.0	6499.0	6150.4	5851.4
30°	3986.0	4012.3	4201.9	4603.0	5144.1	5918.5	6674.0	6805.3	6380.8	5987.1
32.5°	3803.7	3837.3	4037.1	4441.1	4974.9	5848.5	6843.2	7136.3	6647.7	6132.9
35°	3573.3	3603.9	3813.9	4219.4	4753.2	5736.2	6984.7	7503.9	7029.9	6354.6
37.5°	3293.2	3322.4	3531.0	3942.3	4533.0	5578.7	7092.6	7918.1	7484.9	6674.0
40°	3011.8	3039.5	3234.9	3633.1	4269.0	5377.4	7130.5	8323.5	8007.1	7113.0
42.5°	2753.6	2778.4	2957.8	3328.3	3972.9	5120.7	7080.9	8676.5	8475.2	7419.3
45°	2515.9	2537.8	2696.7	3042.4	3665.2	4808.6	6932.2	9055.7	9032.4	7638.1
47.5°	2244.6	2266.5	2431.3	2765.3	3357.4	4442.5	6679.8	9429.1	9806.8	8133.9
50°	1913.5	1932.5	2101.7	2445.9	3038.0	4053.1	6329.8	9722.2	10784.0	8885.1
52.5°	1521.2	1541.6	1706.4	2050.6	2658.8	3634.5	5868.9	9913.3	11912.9	9981.8
55°	1131.8	1146.4	1289.3	1598.5	2189.2	3157.6	5291.4	9967.2	13193.4	11481.2
57.5°	821.1	829.9	921.8	1152.2	1659.7	2561.1	4589.8	9827.2	14717.5	13403.4
60°	665.1	668.0	695.7	797.8	1153.7	1887.3	3742.5	9345.9	16371.4	15881.4
62.5°	603.8	603.8	611.1	638.8	780.3	1245.5	2717.1	8348.3	18144.9	19012.7
65°	561.5	561.5	564.4	577.6	615.5	793.4	1715.2	6723.6	19639.9	22680.8
67.5°	523.6	525.1	523.6	528.0	549.8	586.3	994.7	4643.8	20445.0	26481.6
70°	484.2	487.1	479.8	479.8	497.3	498.8	622.8	2546.5	19777.0	29666.9
72.5°	437.5	441.9	430.3	427.3	440.5	434.6	468.2	1222.2	16979.6	30617.9
75°	396.7	402.5	376.3	369.0	369.0	364.6	380.7	627.1	11020.3	24976.5
77.5°	360.2	371.9	329.6	306.3	300.4	287.3	310.7	383.6	4820.3	11726.2
80°	297.5	313.6	271.3	243.6	233.4	218.8	245.0	268.4	1433.7	2723.0
82.5°	221.7	229.0	192.5	173.6	164.8	154.6	183.8	186.7	466.7	964.1
85°	141.5	144.4	118.1	102.1	97.7	93.3	116.7	102.1	177.9	708.8
87.5°	49.6	56.9	45.2	40.8	43.8	36.5	54.0	30.6	49.6	500.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5128.0
5130.9
5164.5
5199.5
5212.6
5224.3
5253.4
5317.6
5415.3
5520.3
5648.7
5801.8
5915.6
6042.5
6254.0
6539.8
6970.1
7235.5
7390.1
7848.1
8526.3
9539.9
10928.4
12707.7
15004.8
17838.7
21196.1
24878.7
29245.4
31726.3
26715.0
11482.6
2607.8
1089.5
1029.7
619.9
0.0

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