

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: P954721

Luminaire Tested: **GLAN-SB7D-927-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7D-927-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46132 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

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

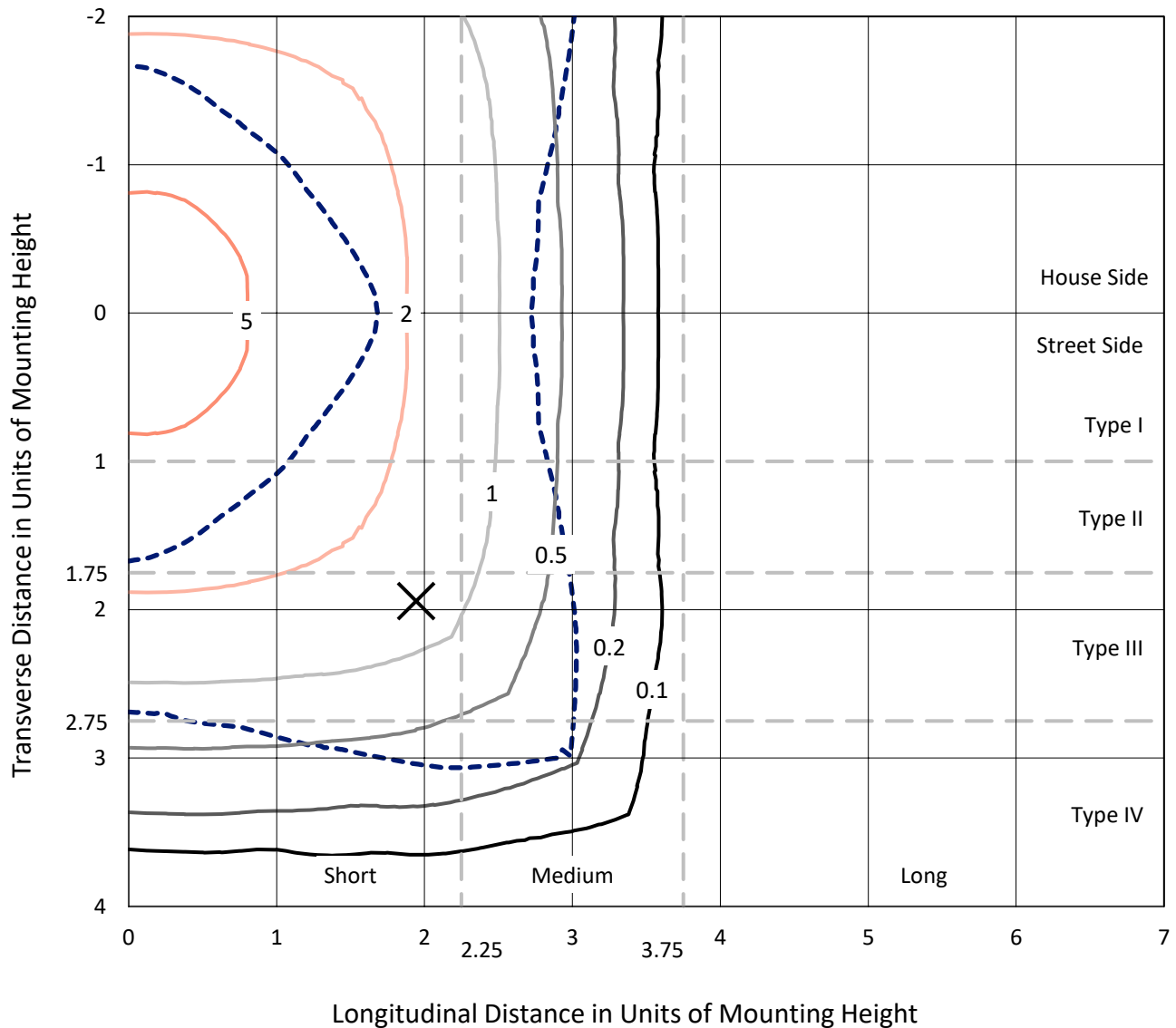


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

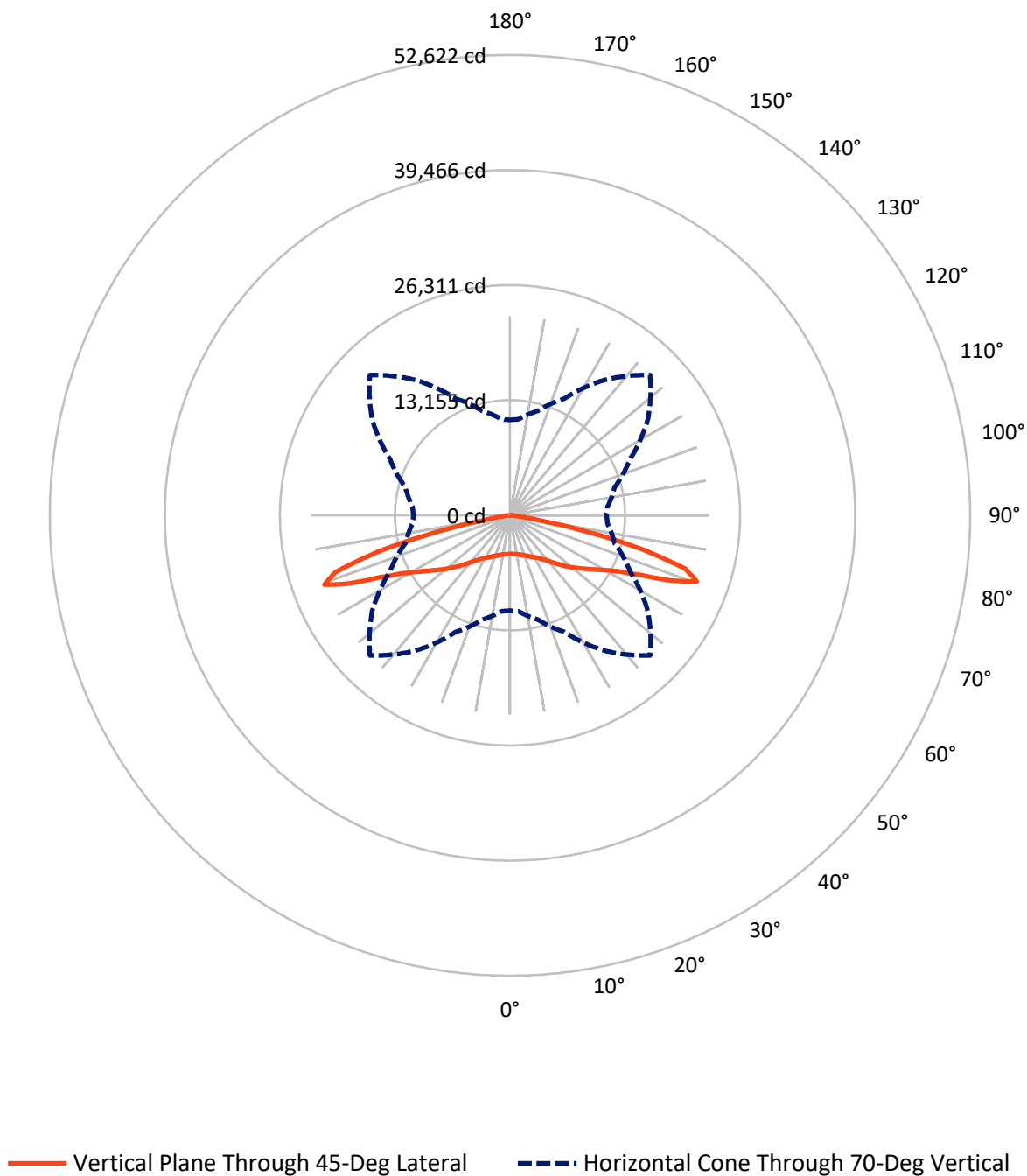


Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23066.0	0.0	23066.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23066.0	0.0	23066.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	46132.0	0.0	46132.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.3	0.9
10°-20°	1331.2	2.9
20°-30°	2379.0	5.2
30°-40°	3856.4	8.4
40°-50°	6281.4	13.6
50°-60°	9577.1	20.8
60°-70°	14247.6	30.9
70°-80°	7765.4	16.8
80°-90°	264.4	0.6
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°	46132.0	100.0
0°-180°	46132.0	100.0

Coefficient of Utilization



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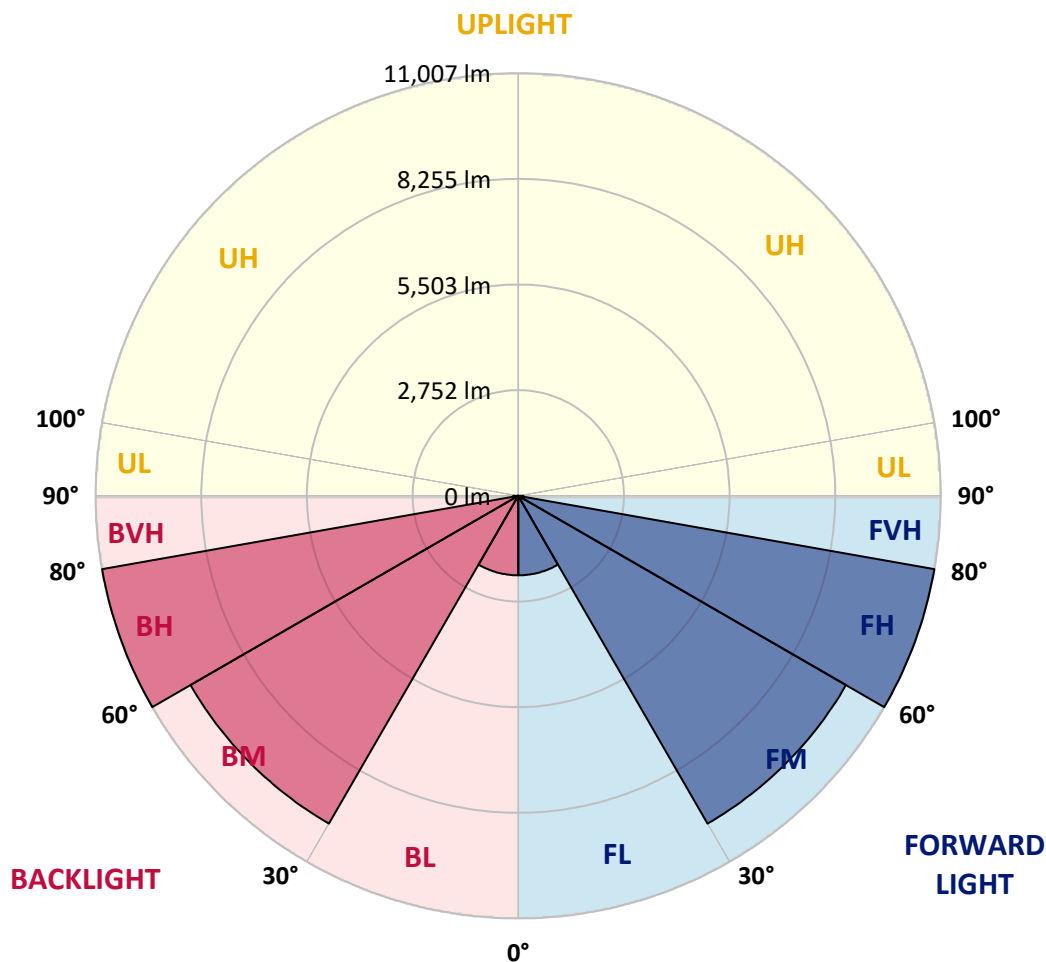
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2069.8	4.5			
FM	(30°-60°)	9857.5	21.4			
FH	(60°-80°)	11006.5	23.9			G4/12000
FVH	(80°-90°)	132.2	0.3			G2/225
BL	(0°-30°)	2069.8	4.5	B3/2500		
BM	(30°-60°)	9857.5	21.4	B5		
BH	(60°-80°)	11006.5	23.9	B5		G4/12000
BVH	(80°-90°)	132.2	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4419.0	4419.0	4419.0	4419.0	4419.0	4419.0	4419.0	4419.0	4419.0	4419.0
2.5°	4439.8	4444.4	4435.2	4430.5	4425.9	4419.0	4421.3	4432.9	4442.1	4439.8
5°	4476.9	4481.5	4474.6	4472.2	4463.0	4460.7	4460.7	4472.2	4479.2	4474.6
7.5°	4518.6	4525.5	4513.9	4511.6	4507.0	4502.3	4500.0	4511.6	4518.6	4518.6
10°	4557.9	4564.9	4555.6	4548.7	4544.0	4544.0	4539.4	4548.7	4560.2	4557.9
12.5°	4599.6	4604.2	4595.0	4590.4	4590.4	4597.3	4590.4	4595.0	4604.2	4599.6
15°	4650.6	4652.9	4650.6	4657.5	4669.1	4692.3	4671.4	4666.8	4671.4	4659.8
17.5°	4720.1	4724.7	4733.9	4750.2	4766.4	4808.1	4771.0	4759.4	4759.4	4736.3
20°	4805.7	4812.7	4826.6	4854.4	4875.2	4914.6	4877.5	4861.3	4854.4	4824.3
22.5°	4896.1	4907.6	4928.5	4965.5	5002.6	5039.7	5002.6	4974.8	4954.0	4914.6
25°	5000.3	5014.2	5046.6	5106.8	5157.8	5211.0	5167.0	5111.5	5069.8	5014.2
27.5°	5148.5	5164.7	5204.1	5278.2	5343.1	5389.4	5347.7	5275.9	5218.0	5150.8
30°	5357.0	5373.2	5419.5	5498.2	5542.2	5572.3	5544.6	5489.0	5419.5	5343.1
32.5°	5625.6	5646.5	5697.4	5771.5	5780.8	5785.4	5776.2	5748.4	5697.4	5604.8
35°	5966.1	5989.2	6047.1	6107.3	6098.1	6107.3	6093.5	6084.2	6047.1	5940.6
37.5°	6383.0	6410.7	6471.0	6517.3	6494.1	6482.5	6484.9	6487.2	6466.3	6348.2
40°	6867.0	6904.1	6948.1	6996.7	6957.3	6922.6	6945.7	6964.3	6945.7	6825.3
42.5°	7364.9	7418.2	7464.5	7534.0	7501.6	7457.6	7490.0	7510.9	7471.5	7341.8
45°	7918.5	7969.4	8029.6	8133.9	8110.7	8064.4	8110.7	8115.3	8048.2	7895.3
47.5°	8490.5	8543.8	8634.1	8773.1	8763.8	8712.9	8773.1	8740.7	8655.0	8472.0
50°	9032.5	9106.6	9245.6	9440.1	9458.6	9396.1	9477.2	9414.6	9271.0	9041.7
52.5°	9542.0	9620.8	9840.8	10104.8	10172.0	10090.9	10199.8	10090.9	9875.5	9581.4
55°	10077.0	10165.0	10426.7	10771.8	10906.1	10845.9	10947.8	10783.4	10477.7	10121.0
57.5°	10707.0	10760.2	11072.9	11482.8	11709.8	11723.7	11770.0	11492.1	11121.5	10716.2
60°	11390.2	11464.3	11804.8	12295.8	12654.7	12770.5	12721.9	12309.7	11878.9	11413.4
62.5°	12265.6	12346.7	12754.3	13342.6	13910.0	14197.2	14007.3	13409.8	12877.1	12318.9
65°	12990.6	13080.9	13817.4	14866.5	15899.5	16476.2	15999.1	14899.0	13940.1	13152.7
67.5°	12464.8	12576.0	13731.7	15658.6	18227.1	19947.9	18315.1	15894.9	14016.6	12948.9
70°	10894.6	10998.8	12346.7	14702.1	18882.5	22653.0	19276.2	15135.2	12390.7	11195.6
72.5°	7232.9	7568.8	8932.9	11758.4	16860.6	20962.3	17027.4	11519.9	8286.7	7216.7
75°	2399.4	2668.1	3599.1	6095.8	11292.9	15677.1	10751.0	5394.0	2851.0	2052.0
77.5°	604.5	697.1	961.1	1744.0	4504.7	8925.9	4055.4	1424.4	775.9	541.9
80°	294.1	324.2	463.2	581.3	1127.9	2837.1	1058.4	546.6	365.9	282.6
82.5°	162.1	164.4	261.7	328.9	419.2	734.2	435.4	319.6	210.8	171.4
85°	99.6	97.3	139.0	176.0	176.0	261.7	208.4	176.0	120.4	106.5
87.5°	39.4	39.4	51.0	55.6	48.6	67.2	53.3	57.9	46.3	44.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4419.0
4442.1
4476.9
4518.6
4557.9
4597.3
4659.8
4736.3
4824.3
4912.3
5011.9
5148.5
5343.1
5607.1
5940.6
6348.2
6825.3
7351.1
7911.5
8460.4
9037.1
9553.6
10072.4
10660.6
11339.2
12221.6
13023.0
12789.1
11035.8
6982.8
1940.8
484.0
259.4
171.4
111.2
46.3
0.0

OF REPORT)