

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: P850351

Luminaire Tested: **GLAN-SB7D-827-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7D-827-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58364 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

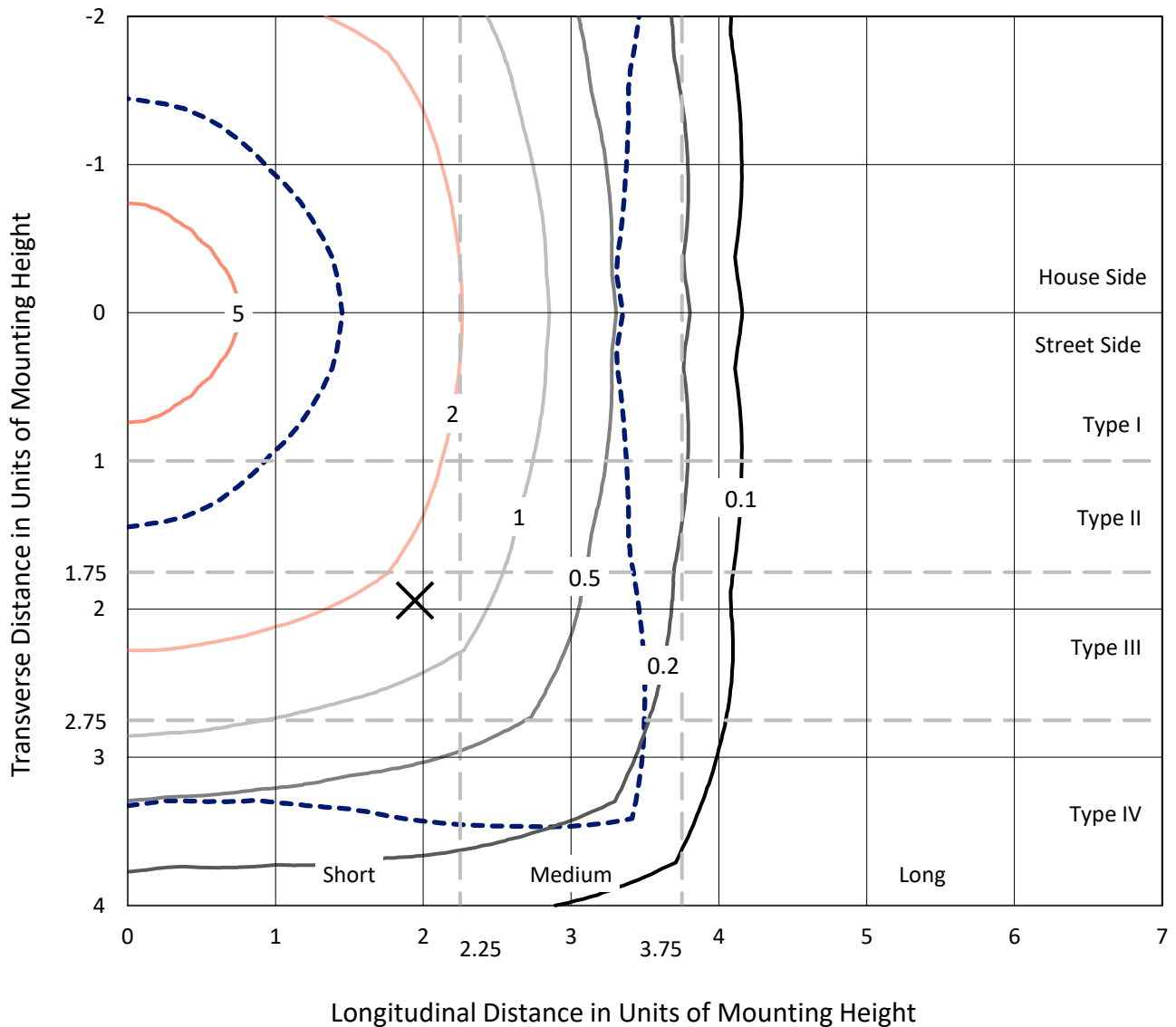
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

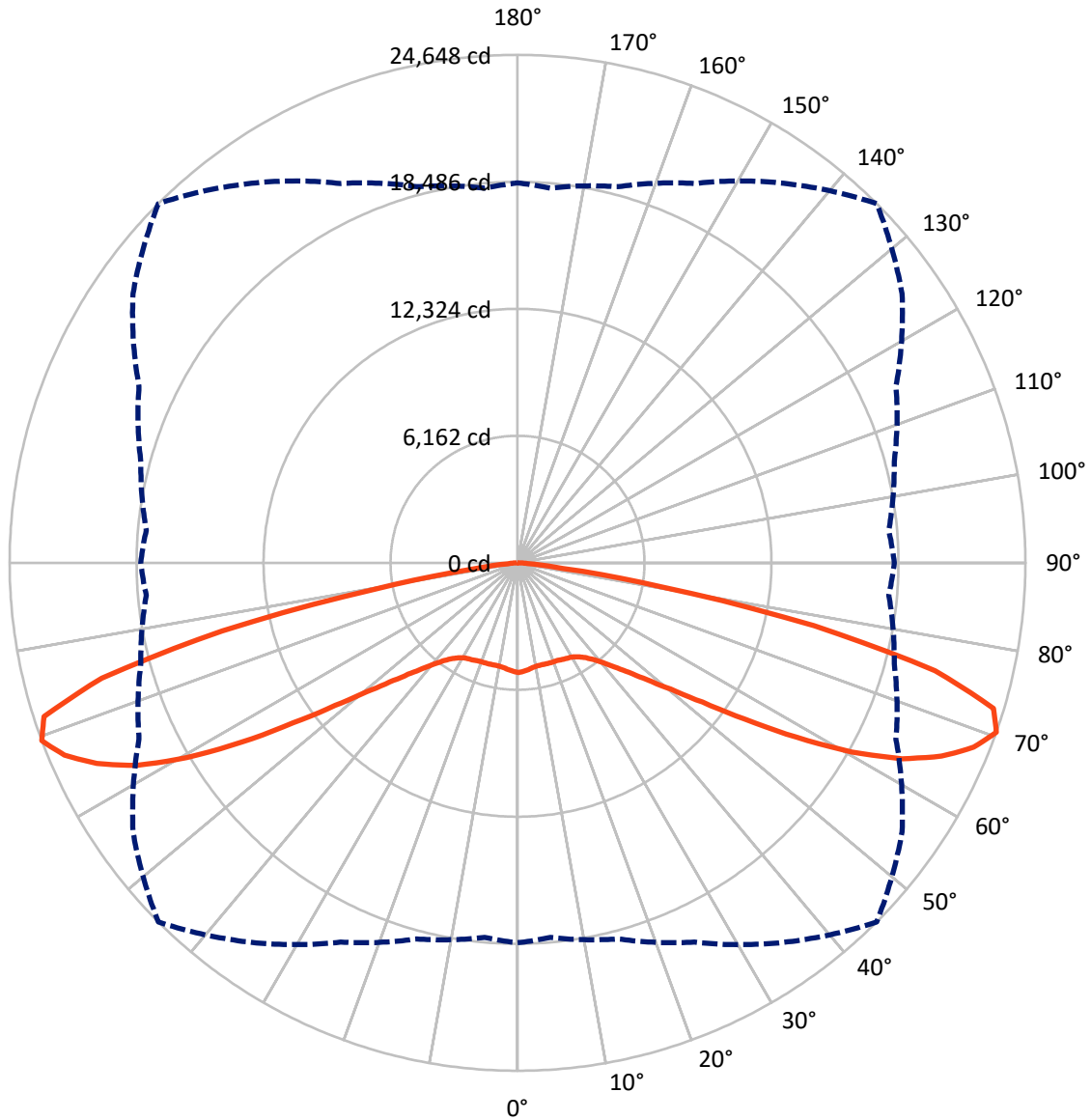
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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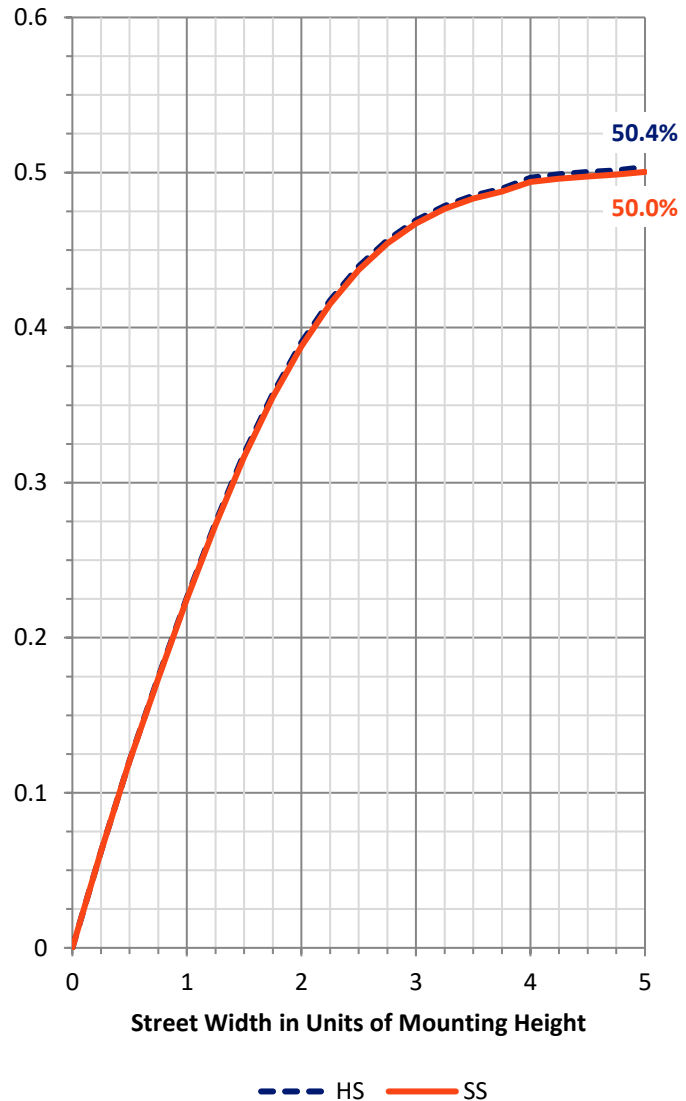
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29182.0	0.0	29182.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29182.0	0.0	29182.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	58364.0	0.0	58364.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	495.3	0.8
10°-20°	1454.2	2.5
20°-30°	2420.0	4.1
30°-40°	3659.7	6.3
40°-50°	6081.6	10.4
50°-60°	11475.8	19.7
60°-70°	19377.4	33.2
70°-80°	12732.9	21.8
80°-90°	667.1	1.1
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°	58364.0	100.0
0°-180°	58364.0	100.0

Coefficient of Utilization



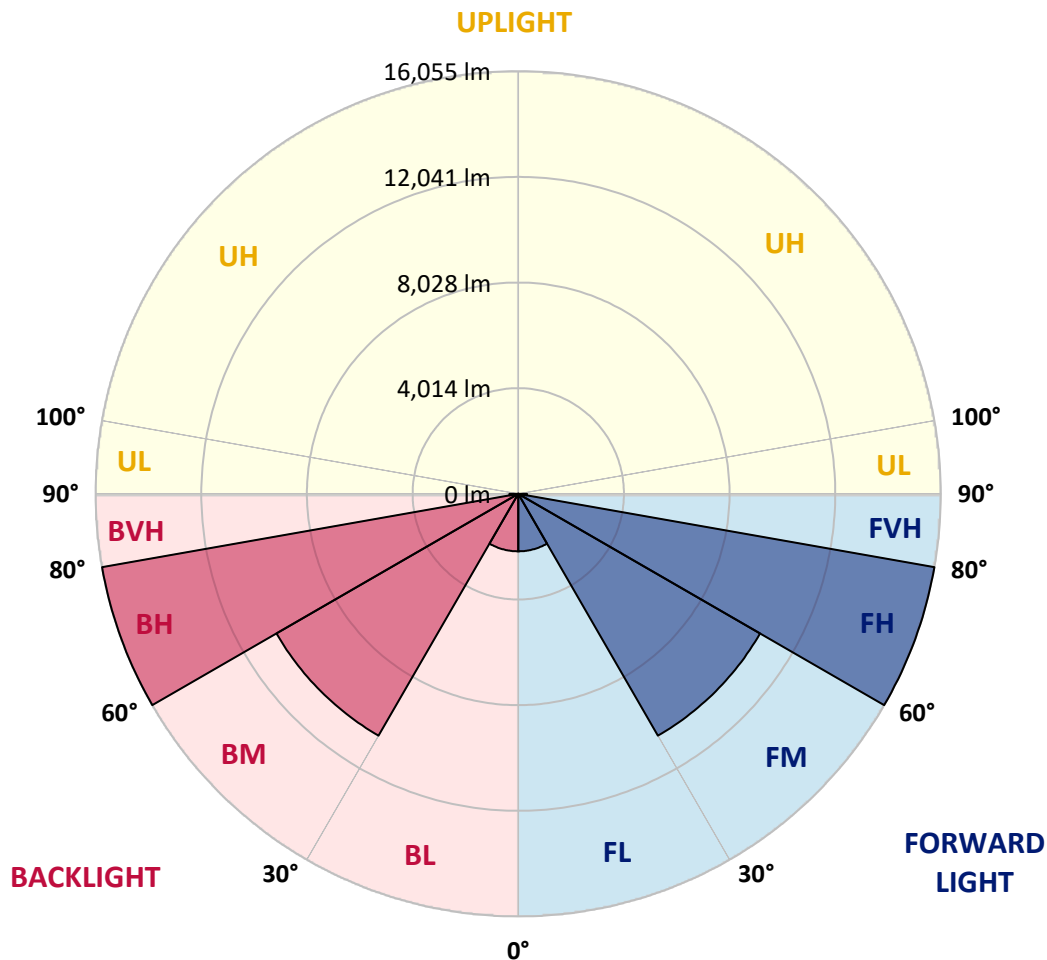
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2184.7	3.7			
FM	(30°-60°)	10608.6	18.2			
FH	(60°-80°)	16055.2	27.5			G5
FVH	(80°-90°)	333.5	0.6			G3/500
BL	(0°-30°)	2184.7	3.7	B3/2500		
BM	(30°-60°)	10608.6	18.2	B5		
BH	(60°-80°)	16055.2	27.5	B5		G5
BVH	(80°-90°)	333.5	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5324.0	5324.0	5324.0	5324.0	5324.0	5324.0	5324.0	5324.0	5324.0	5324.0
2.5°	5290.6	5305.8	5299.7	5287.6	5287.6	5278.5	5287.6	5293.6	5302.7	5308.8
5°	5220.8	5233.0	5229.9	5220.8	5223.9	5214.8	5220.8	5229.9	5236.0	5239.0
7.5°	5160.2	5172.3	5166.2	5151.1	5151.1	5142.0	5145.0	5154.1	5163.2	5166.2
10°	5145.0	5157.1	5138.9	5114.7	5105.6	5093.4	5096.5	5105.6	5123.8	5132.9
12.5°	5151.1	5160.2	5142.0	5105.6	5096.5	5084.3	5084.3	5093.4	5117.7	5129.8
15°	5169.3	5178.4	5151.1	5111.6	5102.5	5093.4	5090.4	5102.5	5129.8	5151.1
17.5°	5202.6	5211.7	5169.3	5114.7	5102.5	5105.6	5102.5	5111.6	5154.1	5193.5
20°	5233.0	5239.0	5181.4	5114.7	5102.5	5105.6	5102.5	5120.7	5175.3	5229.9
22.5°	5242.1	5248.1	5193.5	5135.9	5126.8	5129.8	5126.8	5145.0	5196.6	5251.2
25°	5245.1	5254.2	5211.7	5166.2	5181.4	5187.5	5181.4	5184.4	5223.9	5272.4
27.5°	5290.6	5302.7	5263.3	5223.9	5233.0	5229.9	5239.0	5248.1	5278.5	5327.0
30°	5384.6	5393.7	5360.4	5320.9	5314.9	5293.6	5320.9	5351.3	5384.6	5427.1
32.5°	5539.4	5557.6	5515.1	5472.6	5445.3	5433.2	5454.4	5506.0	5551.5	5597.0
35°	5797.2	5809.3	5769.9	5691.0	5642.5	5642.5	5660.7	5727.4	5800.2	5857.9
37.5°	6161.2	6176.4	6106.6	6012.6	5939.8	5939.8	5964.1	6033.8	6143.0	6225.0
40°	6604.2	6625.4	6537.4	6440.3	6370.6	6358.4	6388.8	6467.6	6570.8	6673.9
42.5°	7138.1	7162.3	7047.1	6962.1	6907.5	6907.5	6922.7	6995.5	7089.5	7216.9
45°	7820.6	7863.1	7705.3	7620.4	7568.8	7581.0	7590.1	7653.8	7738.7	7884.3
47.5°	8633.6	8676.1	8509.3	8421.3	8412.2	8469.8	8433.4	8478.9	8524.4	8691.3
50°	9555.8	9628.7	9513.4	9507.3	9525.5	9631.7	9546.7	9571.0	9519.4	9625.6
52.5°	10684.3	10790.5	10769.3	10805.7	11008.9	11227.4	11033.2	10948.3	10754.1	10787.5
55°	12052.5	12213.3	12243.6	12462.0	12923.1	13369.1	12956.5	12613.7	12201.1	12125.3
57.5°	13608.7	13736.2	13881.8	14327.7	15189.2	15981.0	15189.2	14430.8	13781.7	13626.9
60°	15283.3	15441.0	15580.6	16238.9	17519.1	18632.4	17494.8	16290.4	15431.9	15222.6
62.5°	17082.2	17285.5	17382.5	18113.6	19606.2	20934.9	19627.4	18168.2	17215.7	16991.2
65°	18808.3	18975.2	19084.4	19864.0	21289.8	22621.6	21386.9	19949.0	18969.1	18674.9
67.5°	19612.2	19703.2	19970.2	20853.0	22357.6	23877.5	22612.5	20947.0	19851.9	19336.2
70°	18435.2	18250.2	18893.3	20306.9	22485.1	24648.0	22776.3	20264.5	18923.6	18086.3
72.5°	14245.8	13927.3	15043.6	17461.4	21028.9	24156.6	21174.5	17597.9	15738.3	14039.5
75°	7750.9	7389.9	8930.9	11988.8	16769.8	20937.9	17155.0	12331.6	9944.1	7693.2
77.5°	2187.2	2050.7	3294.5	5800.2	10086.7	14700.8	10475.0	5927.7	3907.3	2317.7
80°	670.4	649.2	879.7	1747.4	4283.4	7041.0	4116.6	1768.6	1119.4	706.8
82.5°	397.4	364.0	436.8	637.1	1092.1	2211.5	1061.8	664.4	533.9	358.0
85°	227.5	212.4	257.9	309.4	367.1	470.2	306.4	315.5	285.2	191.1
87.5°	94.0	84.9	100.1	97.1	84.9	109.2	81.9	97.1	115.3	75.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5324.0
5305.8
5239.0
5166.2
5132.9
5132.9
5154.1
5193.5
5233.0
5251.2
5269.4
5314.9
5418.0
5578.8
5836.7
6194.6
6640.6
7207.8
7878.3
8642.7
9561.9
10675.2
12007.0
13517.7
15040.6
16809.2
18529.2
19342.2
18286.6
14461.2
8193.8
2575.5
746.3
388.3
200.2
69.8
0.0

OF REPORT)