

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: P850411

Luminaire Tested: **GLAN-SB7D-930-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850411  
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-930-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 49385 lumens  
Efficiency: N/A  
Efficacy: 96.3 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

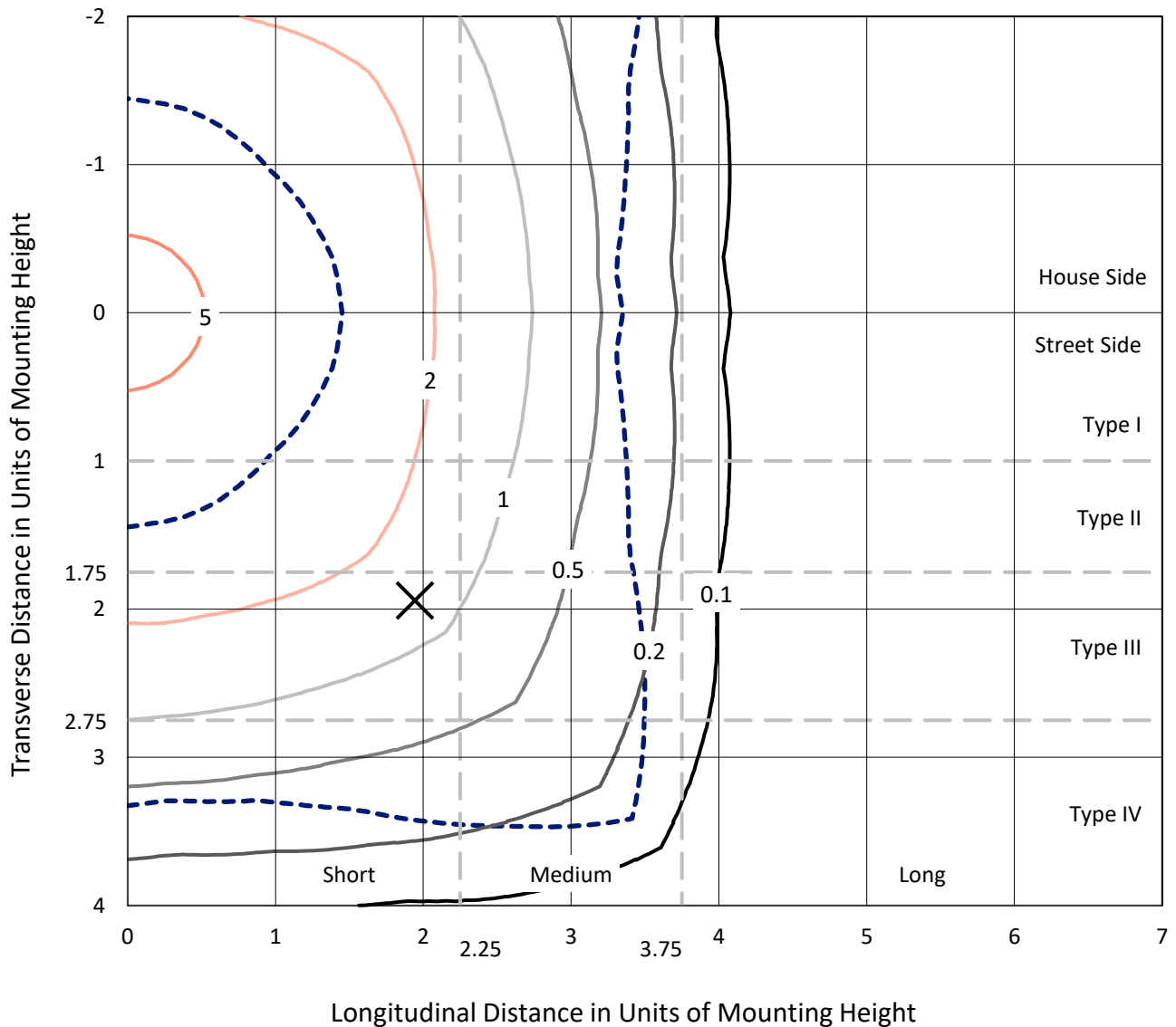
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

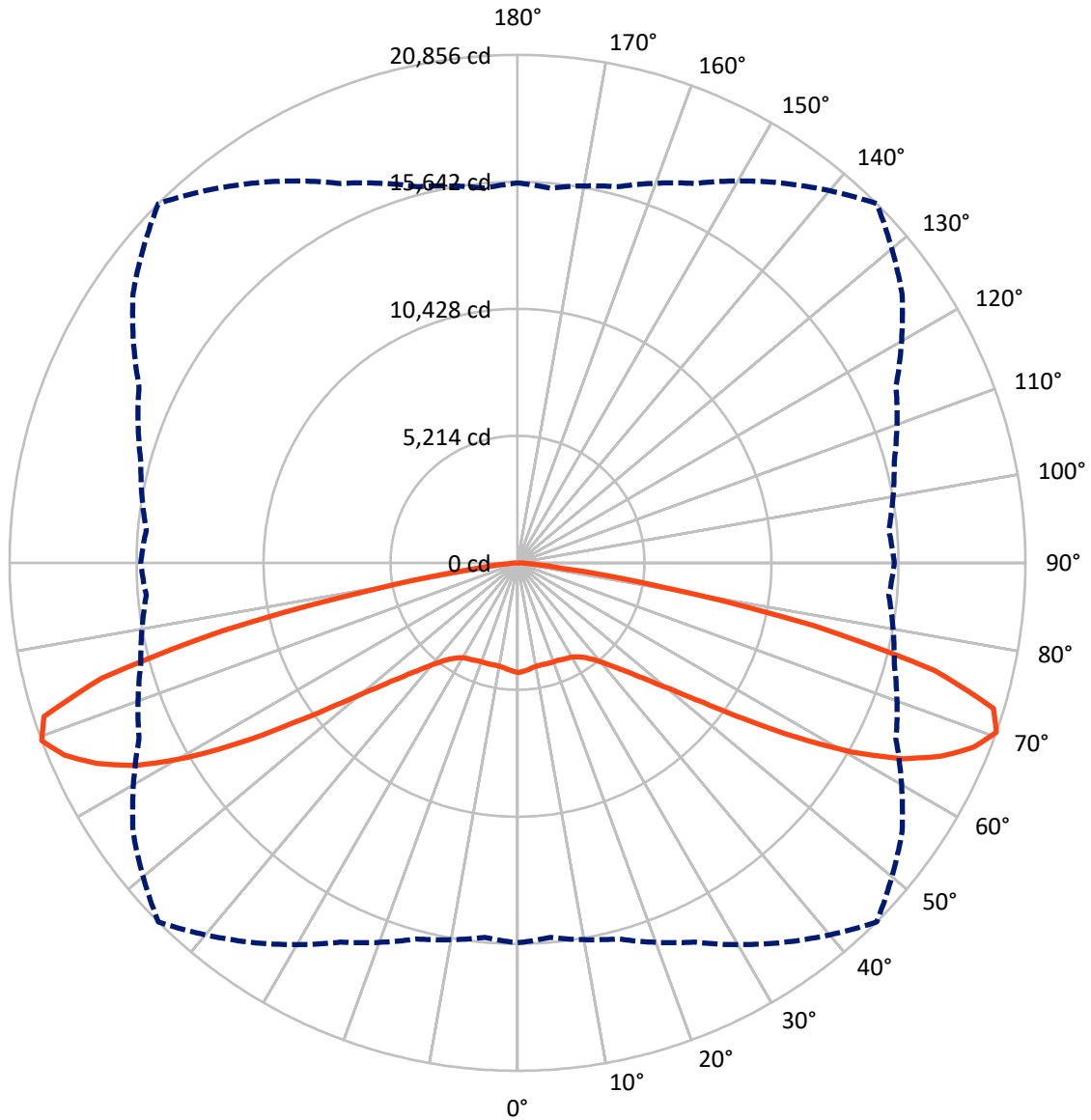
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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
<b>House Side</b>	Lumens	24692.5	0.0	24692.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	24692.5	0.0	24692.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	49385.0	0.0	49385.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	419.1	0.8
10°-20°	1230.5	2.5
20°-30°	2047.7	4.1
30°-40°	3096.7	6.3
40°-50°	5146.0	10.4
50°-60°	9710.3	19.7
60°-70°	16396.3	33.2
70°-80°	10774.0	21.8
80°-90°	564.5	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°	49385.0	100.0
0°-180°	49385.0	100.0

**Coefficient of Utilization**



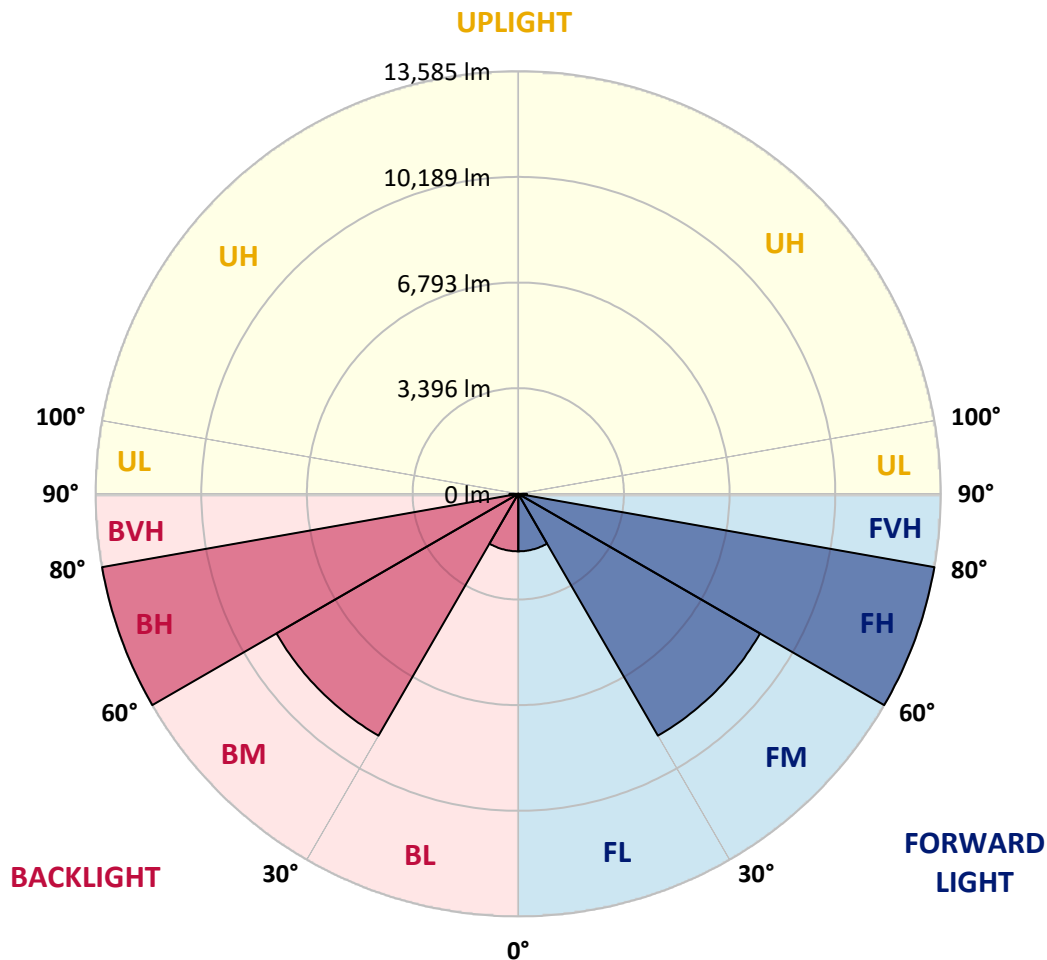
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1848.6	3.7			
FM (30°-60°)	8976.5	18.2			
FH (60°-80°)	13585.1	27.5			G5
FVH (80°-90°)	282.2	0.6			G3/500
BL (0°-30°)	1848.6	3.7	B3/2500		
BM (30°-60°)	8976.5	18.2	B5		
BH (60°-80°)	13585.1	27.5	B5		G5
BVH (80°-90°)	282.2	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°	4504.9	4504.9	4504.9	4504.9	4504.9	4504.9	4504.9	4504.9	4504.9	4504.9
2.5°	4476.7	4489.5	4484.4	4474.1	4474.1	4466.4	4474.1	4479.2	4486.9	4492.1
5°	4417.6	4427.9	4425.3	4417.6	4420.2	4412.5	4417.6	4425.3	4430.5	4433.0
7.5°	4366.3	4376.6	4371.4	4358.6	4358.6	4350.9	4353.5	4361.2	4368.9	4371.4
10°	4353.5	4363.7	4348.3	4327.8	4320.1	4309.8	4312.4	4320.1	4335.5	4343.2
12.5°	4358.6	4366.3	4350.9	4320.1	4312.4	4302.1	4302.1	4309.8	4330.4	4340.6
15°	4374.0	4381.7	4358.6	4325.2	4317.5	4309.8	4307.3	4317.5	4340.6	4358.6
17.5°	4402.2	4409.9	4374.0	4327.8	4317.5	4320.1	4317.5	4325.2	4361.2	4394.5
20°	4427.9	4433.0	4384.3	4327.8	4317.5	4320.1	4317.5	4332.9	4379.1	4425.3
22.5°	4435.6	4440.7	4394.5	4345.8	4338.1	4340.6	4338.1	4353.5	4397.1	4443.3
25°	4438.2	4445.9	4409.9	4371.4	4384.3	4389.4	4384.3	4386.8	4420.2	4461.3
27.5°	4476.7	4486.9	4453.6	4420.2	4427.9	4425.3	4433.0	4440.7	4466.4	4507.5
30°	4556.2	4563.9	4535.7	4502.3	4497.2	4479.2	4502.3	4528.0	4556.2	4592.2
32.5°	4687.2	4702.6	4666.6	4630.7	4607.6	4597.3	4615.3	4658.9	4697.4	4735.9
35°	4905.3	4915.6	4882.2	4815.5	4774.4	4774.4	4789.8	4846.3	4907.9	4956.7
37.5°	5213.4	5226.2	5167.2	5087.6	5026.0	5026.0	5046.5	5105.6	5198.0	5267.3
40°	5588.1	5606.1	5531.7	5449.5	5390.5	5380.2	5405.9	5472.6	5559.9	5647.2
42.5°	6039.9	6060.4	5962.9	5891.0	5844.8	5844.8	5857.7	5919.3	5998.8	6106.7
45°	6617.5	6653.4	6519.9	6448.0	6404.4	6414.7	6422.4	6476.3	6548.2	6671.4
47.5°	7305.4	7341.3	7200.1	7125.7	7118.0	7166.8	7136.0	7174.5	7213.0	7354.2
50°	8085.7	8147.3	8049.8	8044.7	8060.1	8149.9	8078.0	8098.6	8054.9	8144.8
52.5°	9040.6	9130.5	9112.5	9143.3	9315.3	9500.1	9335.8	9263.9	9099.7	9127.9
55°	10198.3	10334.3	10360.0	10544.8	10935.0	11312.3	10963.2	10673.2	10324.1	10259.9
57.5°	11515.1	11622.9	11746.1	12123.5	12852.5	13522.4	12852.5	12210.7	11661.4	11530.5
60°	12932.0	13065.5	13183.6	13740.6	14823.8	15765.9	14803.3	13784.2	13057.8	12880.7
62.5°	14454.2	14626.2	14708.3	15326.9	16589.9	17714.2	16607.8	15373.2	14567.1	14377.2
65°	15914.8	16055.9	16148.4	16808.0	18014.5	19141.4	18096.6	16879.9	16050.8	15801.8
67.5°	16595.0	16672.0	16897.9	17644.9	18918.0	20204.1	19133.7	17724.4	16797.8	16361.4
70°	15599.0	15442.5	15986.6	17182.8	19025.8	20856.0	19272.3	17146.9	16012.3	15303.8
72.5°	12054.2	11784.6	12729.2	14775.1	17793.7	20440.2	17916.9	14890.6	13317.1	11879.6
75°	6558.4	6253.0	7556.9	10144.4	14189.8	17716.7	14515.8	10434.4	8414.3	6509.7
77.5°	1850.7	1735.2	2787.7	4907.9	8534.9	12439.2	8863.5	5015.7	3306.2	1961.1
80°	567.3	549.3	744.4	1478.5	3624.5	5957.8	3483.3	1496.5	947.2	598.1
82.5°	336.3	308.0	369.6	539.0	924.1	1871.3	898.4	562.2	451.8	302.9
85°	192.5	179.7	218.2	261.8	310.6	397.9	259.3	267.0	241.3	161.7
87.5°	79.6	71.9	84.7	82.1	71.9	92.4	69.3	82.1	97.5	64.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4504.9
4489.5
4433.0
4371.4
4343.2
4343.2
4361.2
4394.5
4427.9
4443.3
4458.7
4497.2
4584.5
4720.5
4938.7
5241.6
5618.9
6099.0
6666.2
7313.1
8090.9
9032.9
10159.8
11438.1
12726.7
14223.2
15678.6
16366.5
15473.3
12236.4
6933.2
2179.3
631.5
328.6
169.4
59.0
0.0

OF REPORT)