

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: P850801

Luminaire Tested: **GLAN-SB8C-727-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850801  
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-SB8C-727-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 54475 lumens  
Efficiency: N/A  
Efficacy: 136.3 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

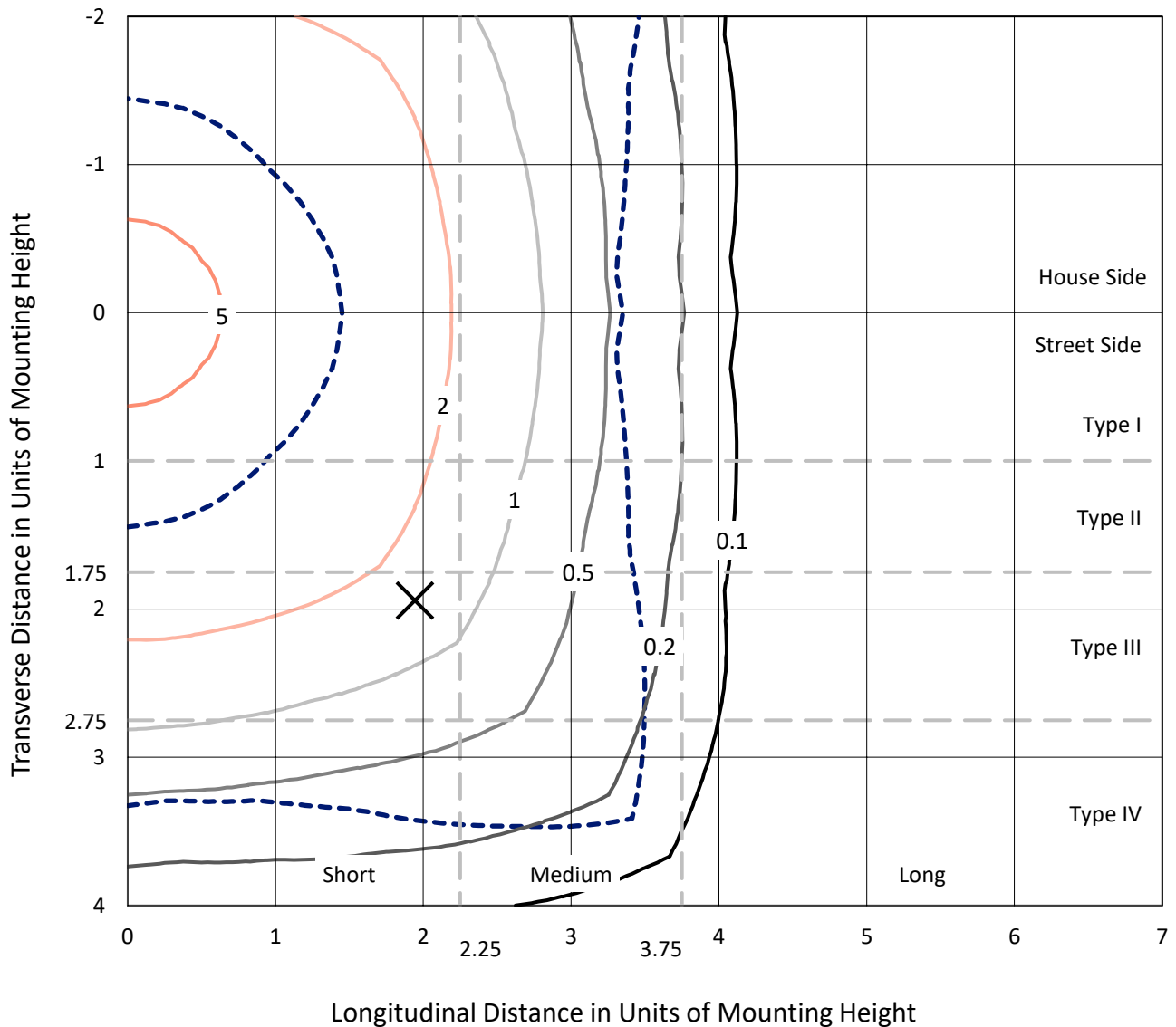
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

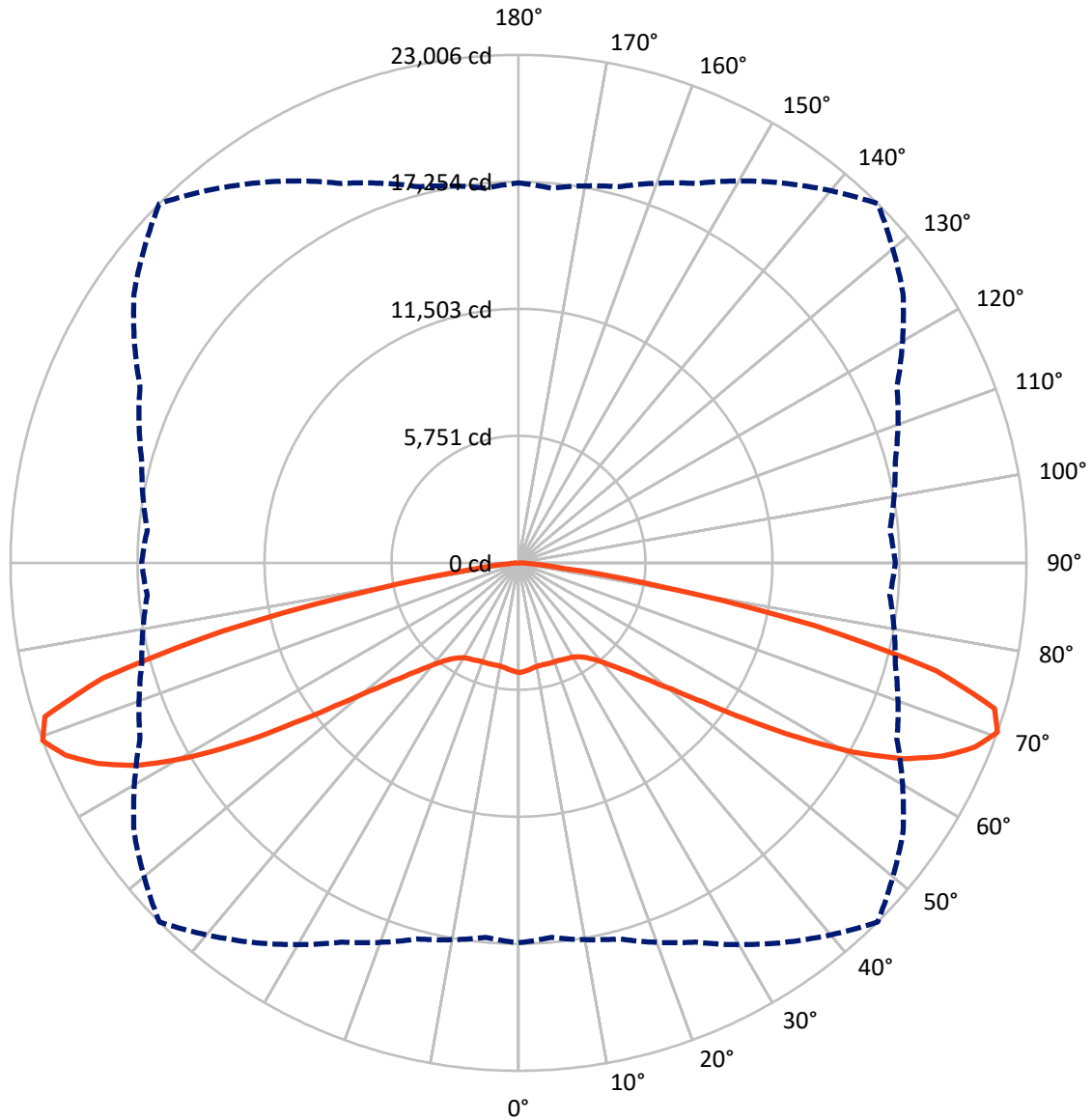
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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	27237.5	0.0	27237.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	27237.5	0.0	27237.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	54475.0	0.0	54475.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	462.3	0.8
10°-20°	1357.3	2.5
20°-30°	2258.7	4.1
30°-40°	3415.9	6.3
40°-50°	5676.4	10.4
50°-60°	10711.1	19.7
60°-70°	18086.2	33.2
70°-80°	11884.5	21.8
80°-90°	622.6	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°	54475.0	100.0
0°-180°	54475.0	100.0

**Coefficient of Utilization**



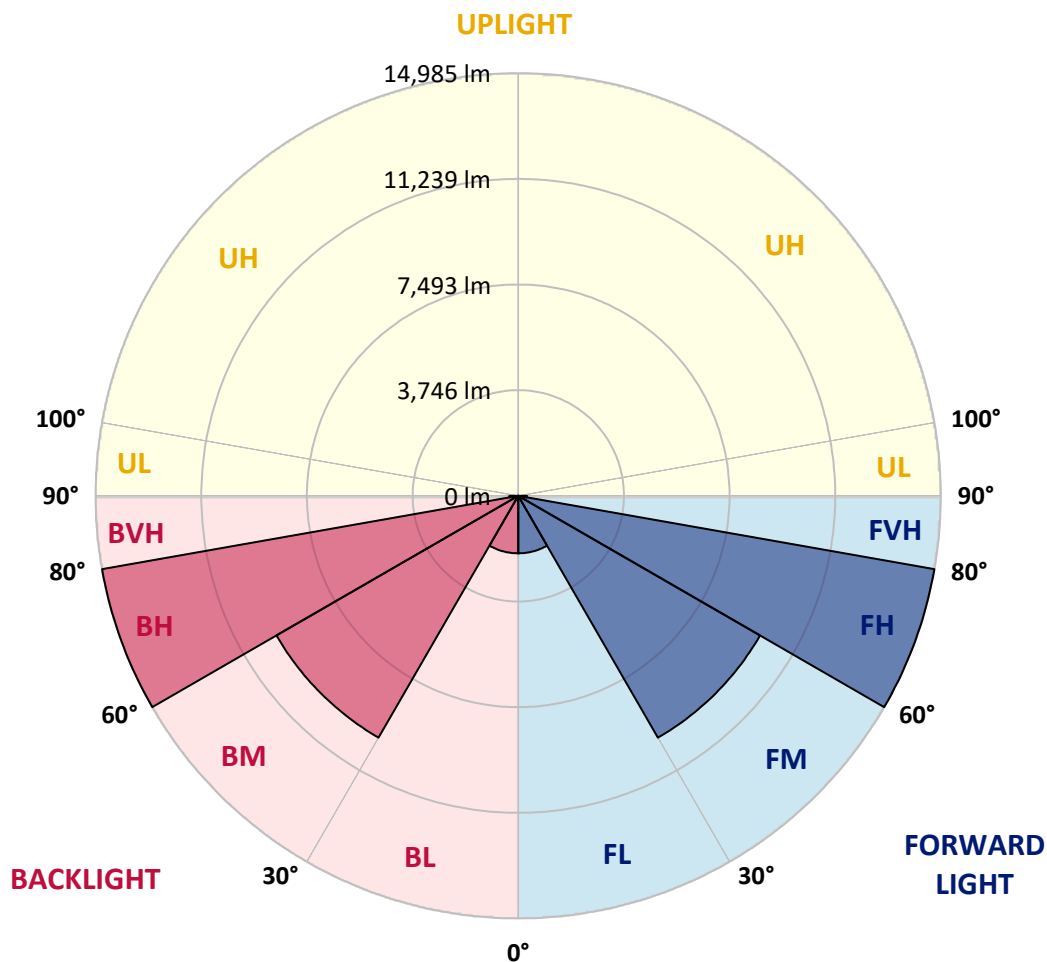
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2039.1	3.7			
FM (30°-60°)	9901.7	18.2			
FH (60°-80°)	14985.3	27.5			G5
FVH (80°-90°)	311.3	0.6			G3/500
BL (0°-30°)	2039.1	3.7	B3/2500		
BM (30°-60°)	9901.7	18.2	B5		
BH (60°-80°)	14985.3	27.5	B5		G5
BVH (80°-90°)	311.3	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°	4969.2	4969.2	4969.2	4969.2	4969.2	4969.2	4969.2	4969.2	4969.2	4969.2
2.5°	4938.1	4952.2	4946.6	4935.2	4935.2	4926.7	4935.2	4940.9	4949.4	4955.1
5°	4872.9	4884.3	4881.4	4872.9	4875.8	4867.3	4872.9	4881.4	4887.1	4889.9
7.5°	4816.3	4827.6	4822.0	4807.8	4807.8	4799.3	4802.2	4810.7	4819.1	4822.0
10°	4802.2	4813.5	4796.5	4773.8	4765.4	4754.0	4756.9	4765.4	4782.3	4790.8
12.5°	4807.8	4816.3	4799.3	4765.4	4756.9	4745.5	4745.5	4754.0	4776.7	4788.0
15°	4824.8	4833.3	4807.8	4771.0	4762.5	4754.0	4751.2	4762.5	4788.0	4807.8
17.5°	4856.0	4864.5	4824.8	4773.8	4762.5	4765.4	4762.5	4771.0	4810.7	4847.5
20°	4884.3	4889.9	4836.1	4773.8	4762.5	4765.4	4762.5	4779.5	4830.5	4881.4
22.5°	4892.8	4898.4	4847.5	4793.7	4785.2	4788.0	4785.2	4802.2	4850.3	4901.3
25°	4895.6	4904.1	4864.5	4822.0	4836.1	4841.8	4836.1	4839.0	4875.8	4921.1
27.5°	4938.1	4949.4	4912.6	4875.8	4884.3	4881.4	4889.9	4898.4	4926.7	4972.0
30°	5025.8	5034.3	5003.2	4966.4	4960.7	4940.9	4966.4	4994.7	5025.8	5065.5
32.5°	5170.3	5187.2	5147.6	5108.0	5082.5	5071.1	5091.0	5139.1	5181.6	5224.0
35°	5410.9	5422.3	5385.4	5311.8	5266.5	5266.5	5283.5	5345.8	5413.8	5467.6
37.5°	5750.7	5764.9	5699.7	5612.0	5544.0	5544.0	5566.7	5631.8	5733.7	5810.2
40°	6164.1	6183.9	6101.8	6011.2	5946.1	5934.7	5963.1	6036.7	6132.9	6229.2
42.5°	6662.4	6685.1	6577.5	6498.2	6447.2	6447.2	6461.4	6529.4	6617.1	6736.0
45°	7299.5	7339.2	7191.9	7112.6	7064.5	7075.8	7084.3	7143.8	7223.1	7359.0
47.5°	8058.3	8098.0	7942.3	7860.1	7851.6	7905.4	7871.5	7913.9	7956.4	8112.1
50°	8919.1	8987.1	8879.5	8873.8	8890.8	8989.9	8910.6	8933.3	8885.1	8984.2
52.5°	9972.4	10071.5	10051.7	10085.7	10275.4	10479.2	10298.0	10218.7	10037.5	10068.7
55°	11249.4	11399.5	11427.8	11631.6	12062.0	12478.3	12093.2	11773.2	11388.1	11317.4
57.5°	12701.9	12820.9	12956.8	13373.0	14177.1	14916.1	14177.1	13469.3	12863.3	12718.9
60°	14264.9	14412.1	14542.4	15156.8	16351.7	17390.8	16329.0	15205.0	14403.7	14208.3
62.5°	15944.0	16133.7	16224.3	16906.7	18299.7	19539.9	18319.6	16957.6	16068.6	15859.0
65°	17555.1	17710.8	17812.7	18540.4	19871.2	21114.2	19961.8	18619.7	17705.1	17430.5
67.5°	18305.4	18390.3	18639.5	19463.5	20867.9	22286.4	21105.7	19551.2	18529.1	18047.7
70°	17206.8	17034.1	17634.3	18953.8	20986.8	23005.6	21258.6	18914.2	17662.7	16881.2
72.5°	13296.5	12999.2	14041.2	16297.9	19627.7	22546.9	19763.6	16425.3	14689.6	13104.0
75°	7234.4	6897.4	8335.8	11189.9	15652.3	19542.8	16011.9	11509.9	9281.5	7180.6
77.5°	2041.5	1914.1	3075.0	5413.8	9414.6	13721.3	9777.0	5532.7	3646.9	2163.2
80°	625.8	605.9	821.1	1630.9	3998.0	6571.8	3842.3	1650.7	1044.8	659.7
82.5°	370.9	339.8	407.7	594.6	1019.3	2064.1	991.0	620.1	498.3	334.1
85°	212.4	198.2	240.7	288.8	342.6	438.9	286.0	294.5	266.2	178.4
87.5°	87.8	79.3	93.4	90.6	79.3	101.9	76.4	90.6	107.6	70.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4969.2
4952.2
4889.9
4822.0
4790.8
4790.8
4810.7
4847.5
4884.3
4901.3
4918.3
4960.7
5057.0
5207.1
5447.7
5781.8
6198.1
6727.6
7353.3
8066.8
8924.8
9963.9
11206.9
12617.0
14038.4
15689.1
17294.6
18053.4
17068.1
13497.6
7647.8
2403.9
696.5
362.4
186.9
65.1
0.0

OF REPORT)