

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: P636129

Luminaire Tested: **IFLD-S-SA2B-927-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636129  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-927-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (32) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6917.6 lumens  
Efficiency: N/A  
Efficacy: 84.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

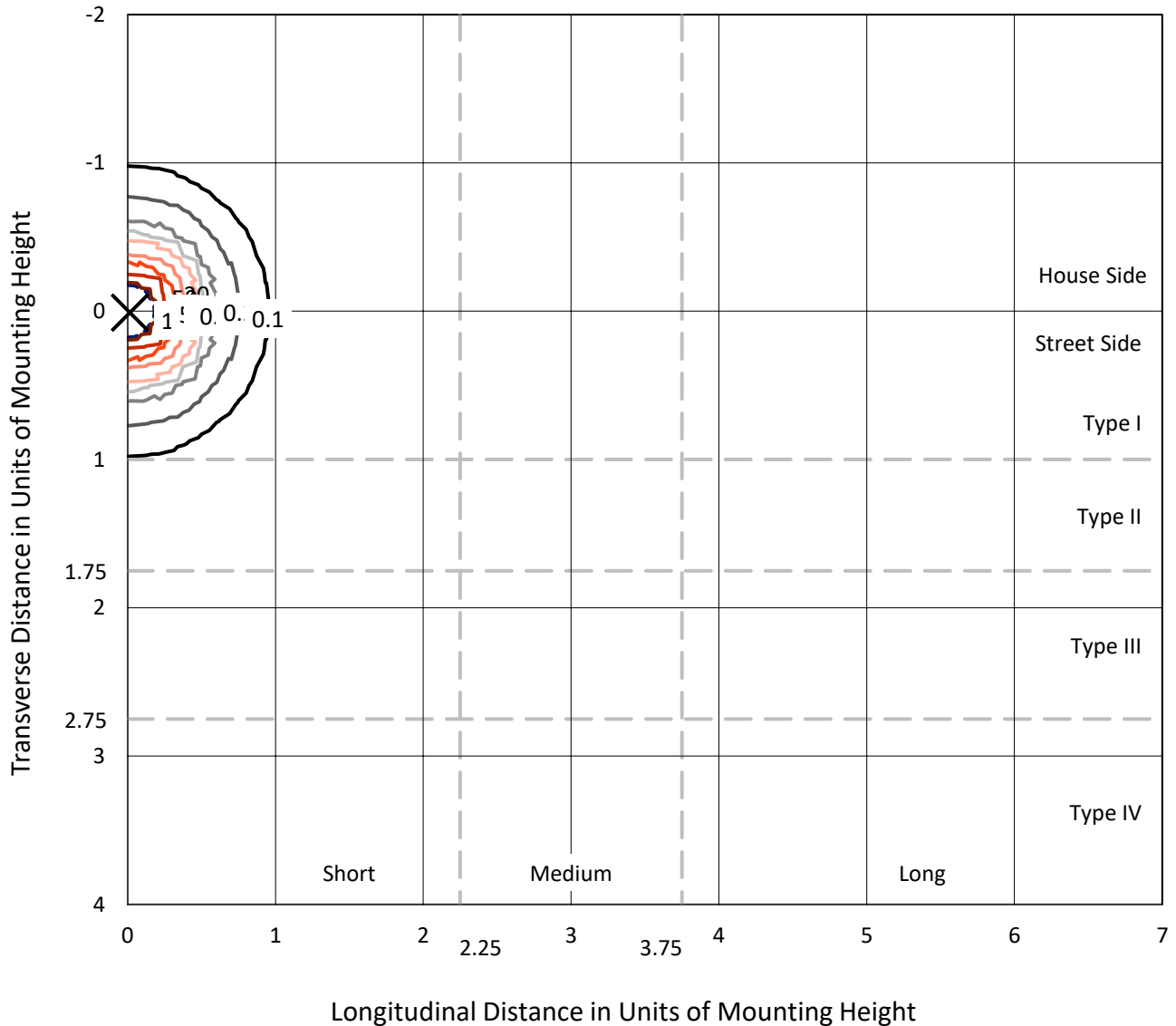
Input Watts (W): 82.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

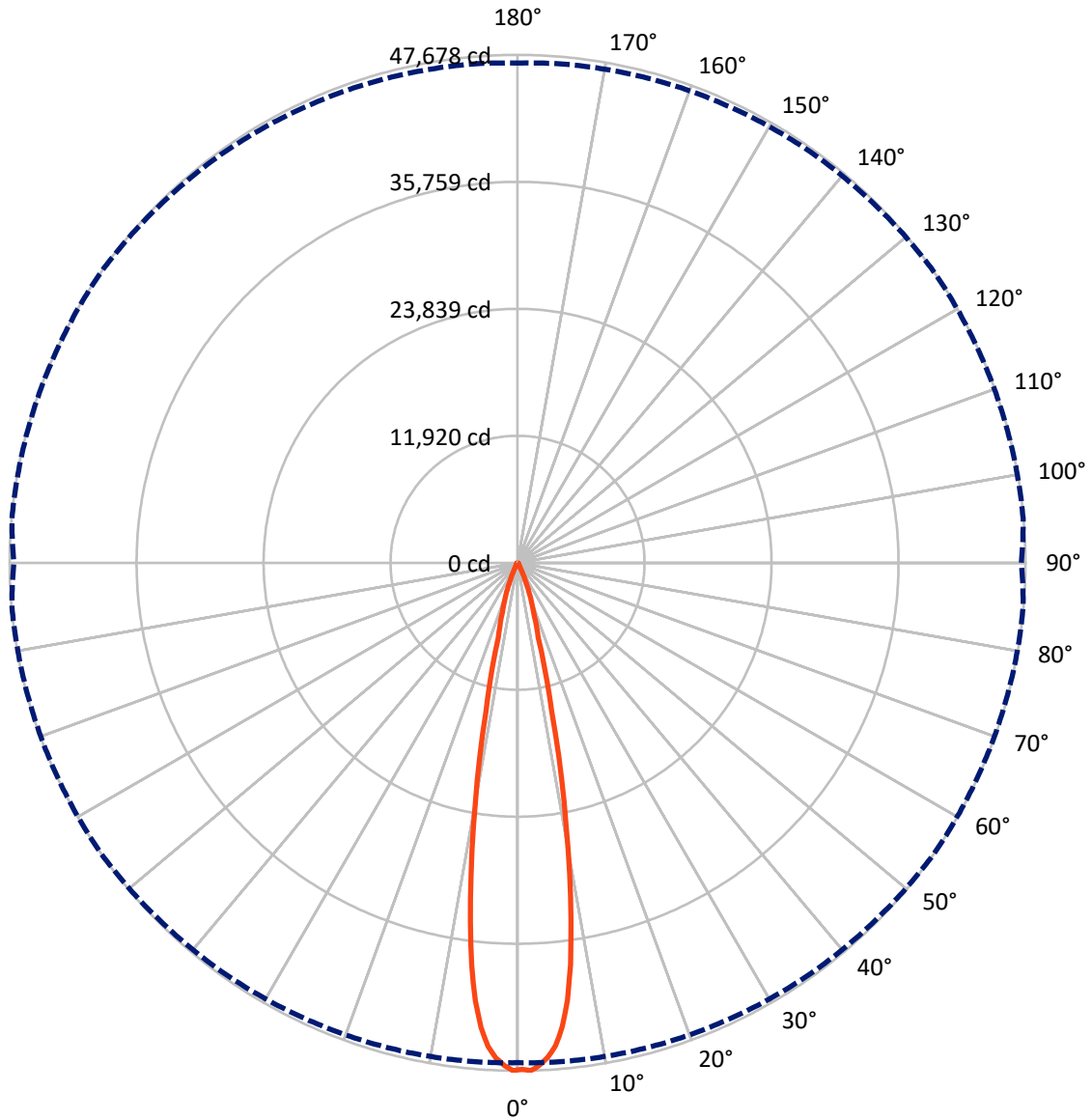
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 118.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 1-Deg Vertical

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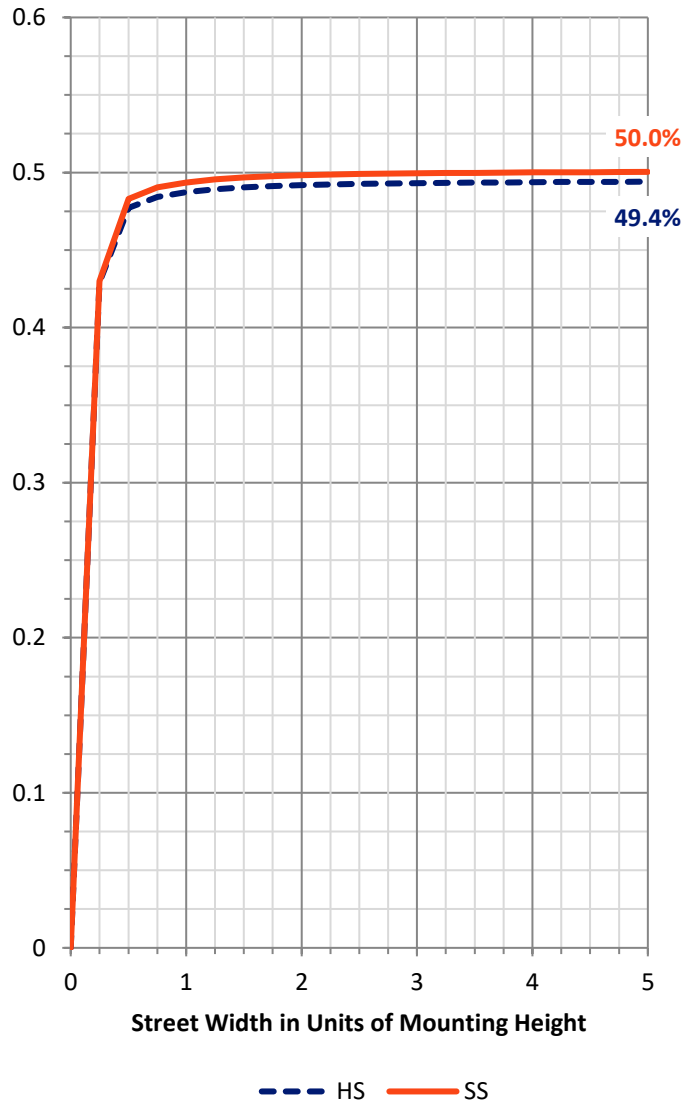
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3458.8	0.0	3458.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3458.8	0.0	3458.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6917.6	0.0	6917.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3514.6	50.8
10°-20°	2490.9	36.0
20°-30°	583.7	8.4
30°-40°	122.0	1.8
40°-50°	78.7	1.1
50°-60°	58.3	0.8
60°-70°	39.6	0.6
70°-80°	21.2	0.3
80°-90°	8.7	0.1
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°	6917.6	100.0
0°-180°	6917.6	100.0

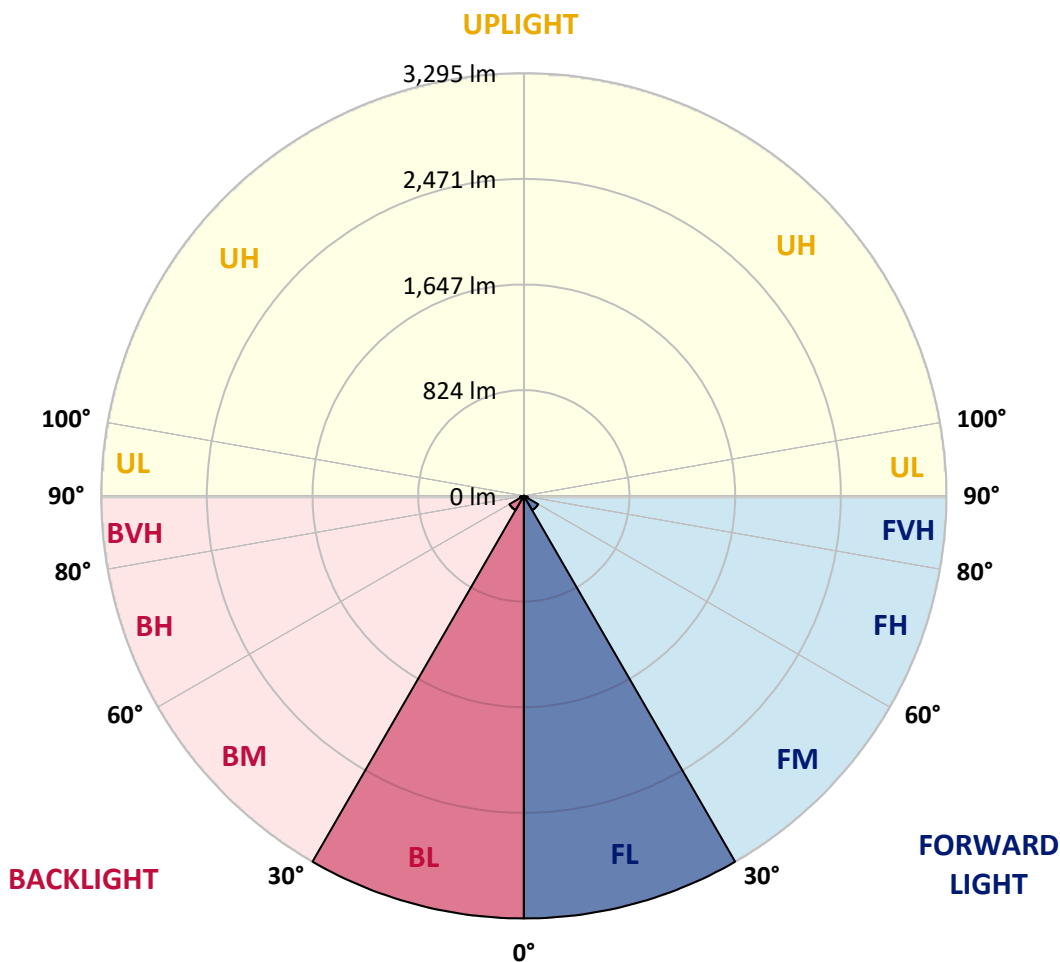


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3294.6	47.6			
FM (30°-60°)	129.5	1.9			
FH (60°-80°)	30.4	0.4			G0/660
FVH (80°-90°)	4.3	0.1			G0/10
BL (0°-30°)	3294.6	47.6	B4/5000		
BM (30°-60°)	129.5	1.9	B0/220		
BH (60°-80°)	30.4	0.4	B0/110		G0/660
BVH (80°-90°)	4.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	47555.6	47555.6	47555.6	47555.6	47555.6	47555.6	47555.6	47555.6	47555.6	47555.6
1°	46915.8	47002.7	47109.1	47205.8	47351.3	47470.0	47678.0	47633.9	47627.8	47636.4
2°	46006.9	46115.8	46279.7	46376.3	46751.9	46906.0	47220.4	47313.4	47238.8	47323.2
3°	44645.3	44734.6	44991.5	45181.1	45668.0	46083.9	46504.8	46644.2	46557.4	46596.5
4°	43024.3	43116.1	43426.8	43813.4	44516.8	44978.0	45482.1	45606.8	45323.0	45342.6
5°	41095.1	41137.9	41518.4	41870.7	42712.4	43271.4	43749.8	43788.9	43529.6	43430.5
6°	38924.8	38847.8	39197.7	39346.9	40392.9	40963.0	41312.8	41267.6	41070.6	40986.2
7°	36346.0	36240.8	36523.4	36442.7	37368.7	37694.1	38030.6	37876.4	37719.8	37914.4
8°	33362.2	33303.5	33121.2	33451.5	33635.0	33926.2	33925.0	33835.7	33830.8	34155.0
9°	29024.2	29566.1	29405.9	29752.1	29705.6	29692.2	29602.9	29545.4	29300.7	29673.8
10°	24260.4	24615.2	24885.6	25401.8	25301.5	25443.4	24946.7	25031.2	24868.4	25176.7
12.5°	12557.8	12956.6	13190.3	13584.2	14017.3	14460.1	14317.0	14168.9	13947.5	14219.1
15°	6181.6	6339.4	6414.1	6814.1	7122.4	7233.7	7250.9	7120.0	7063.7	7122.4
17.5°	3793.6	3848.7	4065.2	4525.2	4791.9	4858.0	4815.1	4672.0	4511.7	4444.5
20°	2746.4	2762.3	2844.3	2933.6	3289.6	3475.6	3407.1	3266.4	3118.3	3048.6
22.5°	1793.4	1809.3	1836.3	1885.2	1980.6	2210.6	2136.0	2040.6	1940.2	1919.5
25°	1015.4	1015.4	1043.5	1093.7	1164.6	1181.8	1196.4	1094.9	1048.4	1027.6
27.5°	566.4	570.1	576.2	595.8	631.3	627.6	611.7	584.8	553.0	519.9
30°	313.2	316.9	320.5	325.4	331.5	320.5	310.7	305.8	292.4	288.7
32.5°	234.9	234.9	237.3	236.1	230.0	216.5	210.4	217.8	216.5	210.4
35°	193.3	193.3	195.7	200.6	188.4	178.6	173.7	183.5	183.5	179.8
37.5°	157.8	159.0	160.3	166.4	162.7	151.7	150.5	152.9	154.1	152.9
40°	138.2	137.0	137.0	138.2	135.8	133.3	130.9	129.7	130.9	129.7
42.5°	119.9	118.7	121.1	118.7	113.8	115.0	115.0	111.3	112.5	110.1
45°	105.2	104.0	105.2	102.8	99.1	100.3	100.3	95.4	95.4	94.2
47.5°	93.0	93.0	93.0	94.2	88.1	86.9	88.1	86.9	83.2	82.0
50°	80.7	82.0	83.2	85.6	79.5	77.1	77.1	77.1	74.6	73.4
52.5°	74.6	75.8	75.8	75.8	72.2	69.7	69.7	68.5	67.3	66.1
55°	72.2	72.2	72.2	67.3	66.1	64.8	61.2	59.9	58.7	58.7
57.5°	68.5	68.5	67.3	63.6	59.9	59.9	55.1	53.8	52.6	52.6
60°	61.2	61.2	61.2	59.9	55.1	53.8	48.9	46.5	45.3	45.3
62.5°	56.3	56.3	56.3	51.4	50.2	46.5	42.8	39.1	37.9	35.5
65°	51.4	51.4	51.4	46.5	44.0	40.4	35.5	31.8	29.4	25.7
67.5°	47.7	47.7	46.5	42.8	39.1	34.3	29.4	25.7	20.8	18.4
70°	41.6	41.6	40.4	37.9	34.3	30.6	24.5	19.6	15.9	12.2
72.5°	35.5	35.5	34.3	31.8	29.4	25.7	20.8	17.1	11.0	8.6
75°	29.4	29.4	28.1	25.7	24.5	22.0	18.4	13.5	8.6	3.7
77.5°	24.5	24.5	23.2	22.0	20.8	18.4	15.9	11.0	6.1	2.4
80°	18.4	19.6	19.6	19.6	17.1	15.9	14.7	11.0	4.9	1.2
82.5°	13.5	14.7	14.7	14.7	13.5	12.2	13.5	9.8	4.9	1.2
85°	9.8	9.8	11.0	11.0	11.0	11.0	14.7	11.0	3.7	1.2
87.5°	4.9	4.9	4.9	4.9	4.9	6.1	7.3	6.1	2.4	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
47555.6  
47295.1  
47002.7  
46302.9  
45051.4  
43223.7  
40796.6  
37854.4  
33255.8  
28977.7  
24386.4  
13483.9  
6848.4  
4350.3  
2994.8  
1876.6  
1010.5  
521.2  
288.7  
206.7  
178.6  
152.9  
130.9  
111.3  
94.2  
82.0  
72.2  
64.8  
57.5  
52.6  
44.0  
33.0  
25.7  
17.1  
12.2  
7.3  
3.7  
1.2  
1.2  
1.2  
1.2  
0.0  
0.0

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