

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: P636131

Luminaire Tested: **IFLD-S-SA2D-927-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636131  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2D-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**

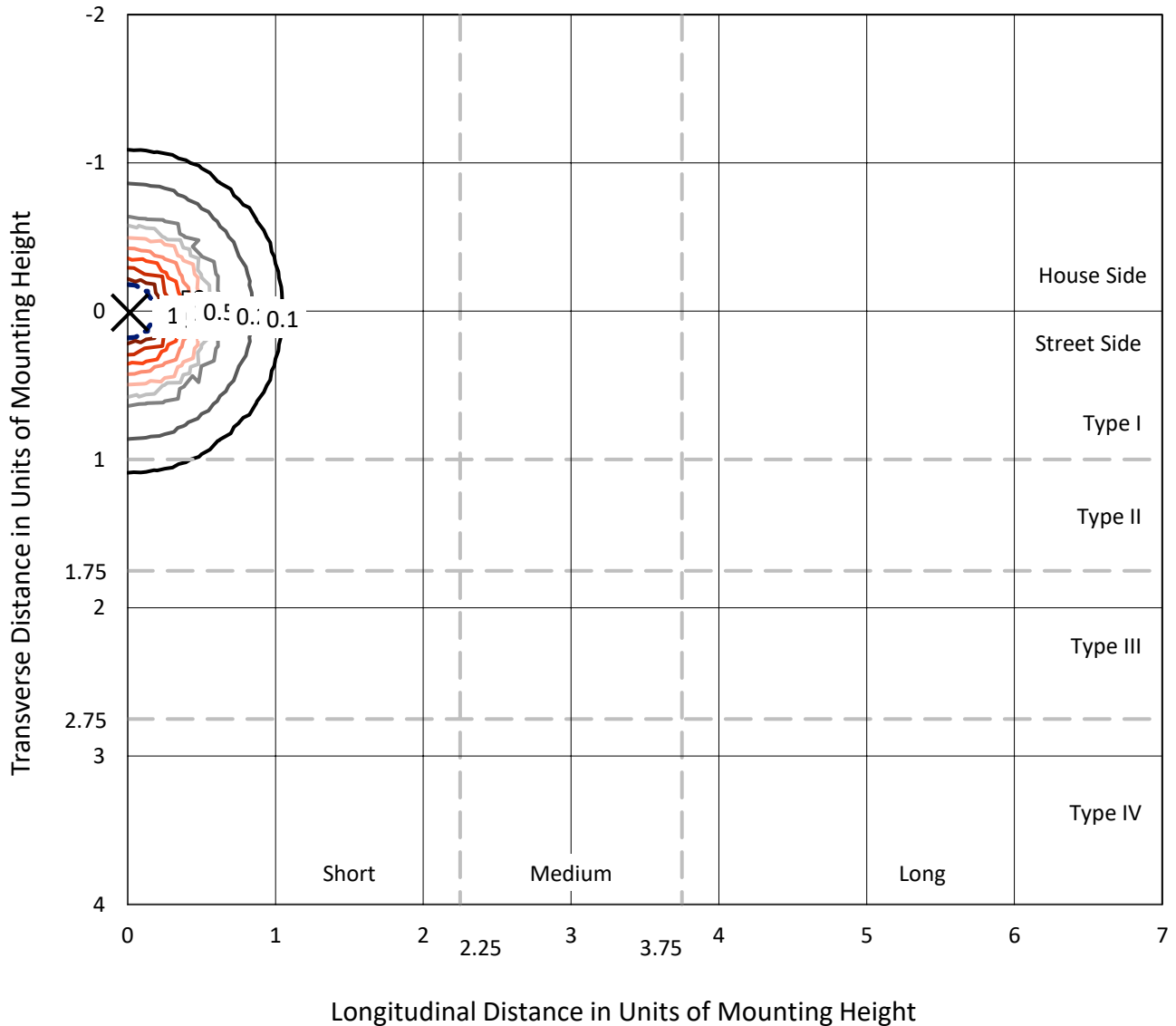
Lumens per Lamp: N/A  
Luminaire Lumens: 9475.4 lumens  
Efficiency: N/A  
Efficacy: 76.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0  
  
Input Watts (W): 123.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

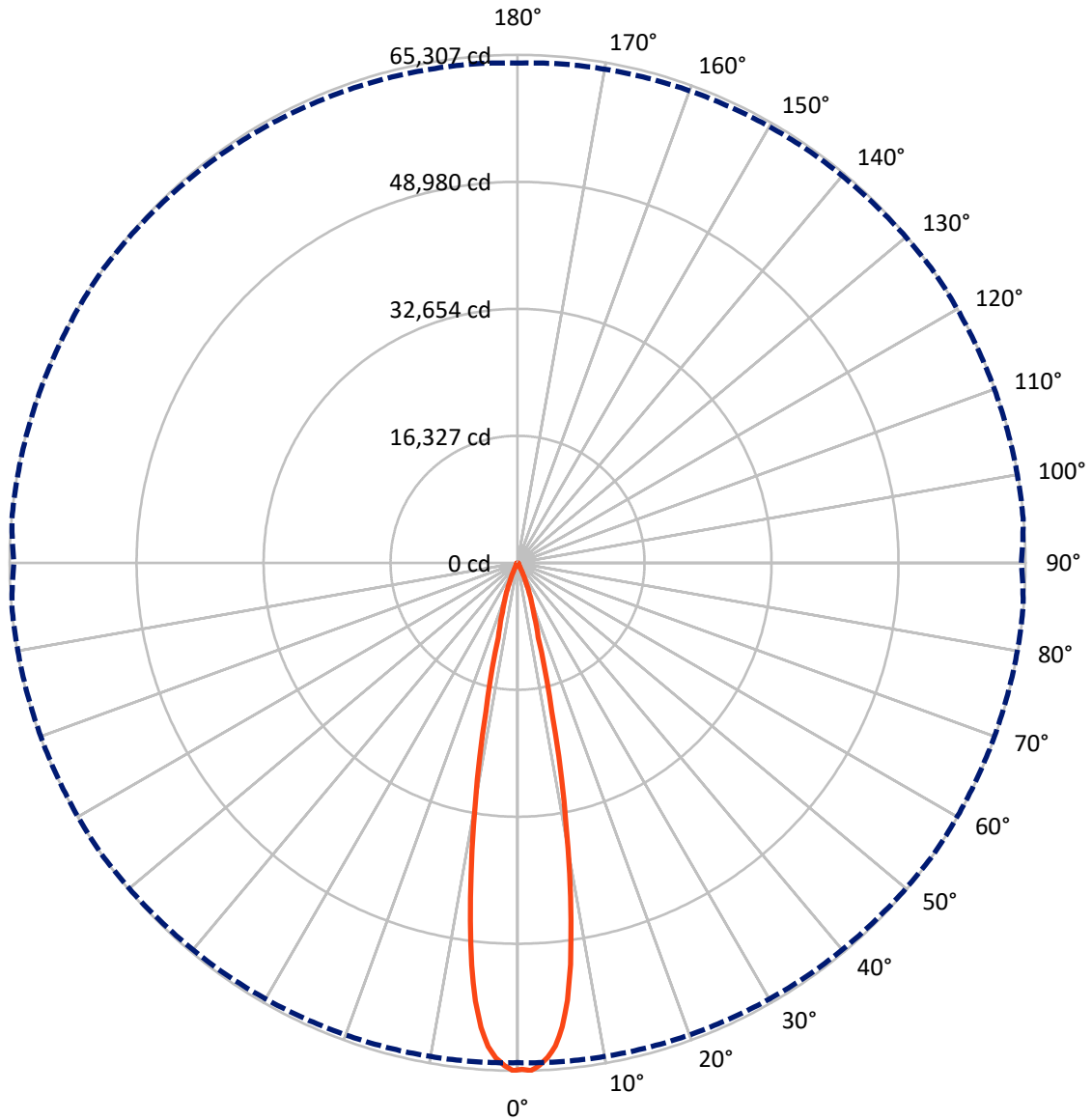
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 162.8 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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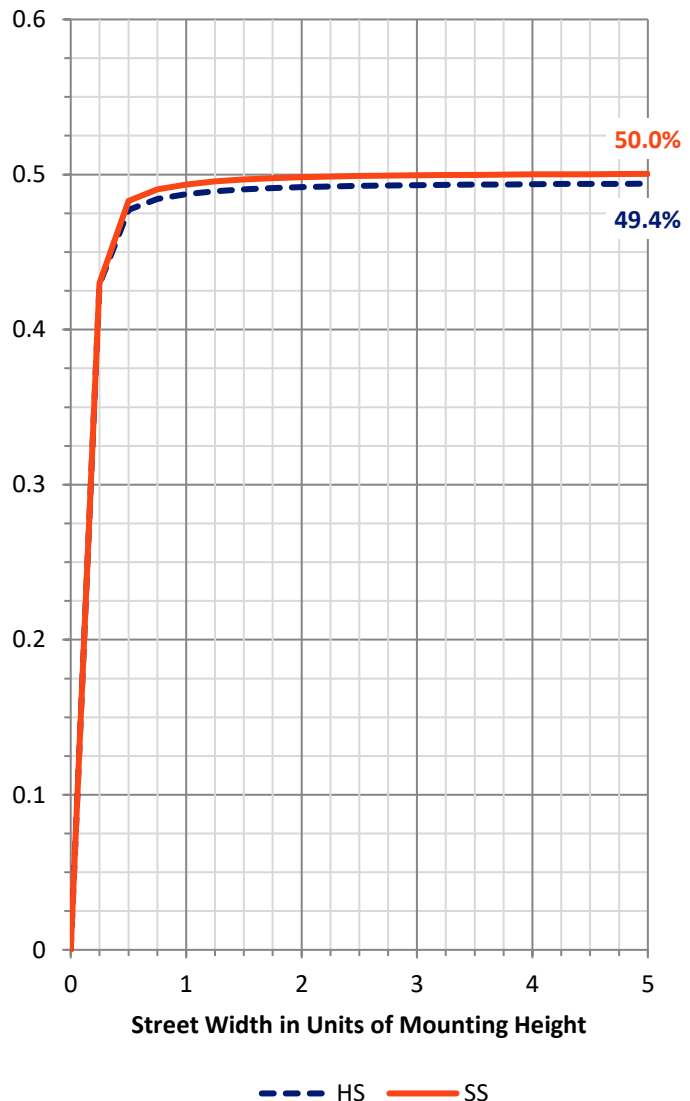
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4737.7	0.0	4737.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4737.7	0.0	4737.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9475.4	0.0	9475.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4814.2	50.8
10°-20°	3411.9	36.0
20°-30°	799.5	8.4
30°-40°	167.1	1.8
40°-50°	107.8	1.1
50°-60°	79.8	0.8
60°-70°	54.3	0.6
70°-80°	29.0	0.3
80°-90°	11.9	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°	9475.4	100.0
0°-180°	9475.4	100.0

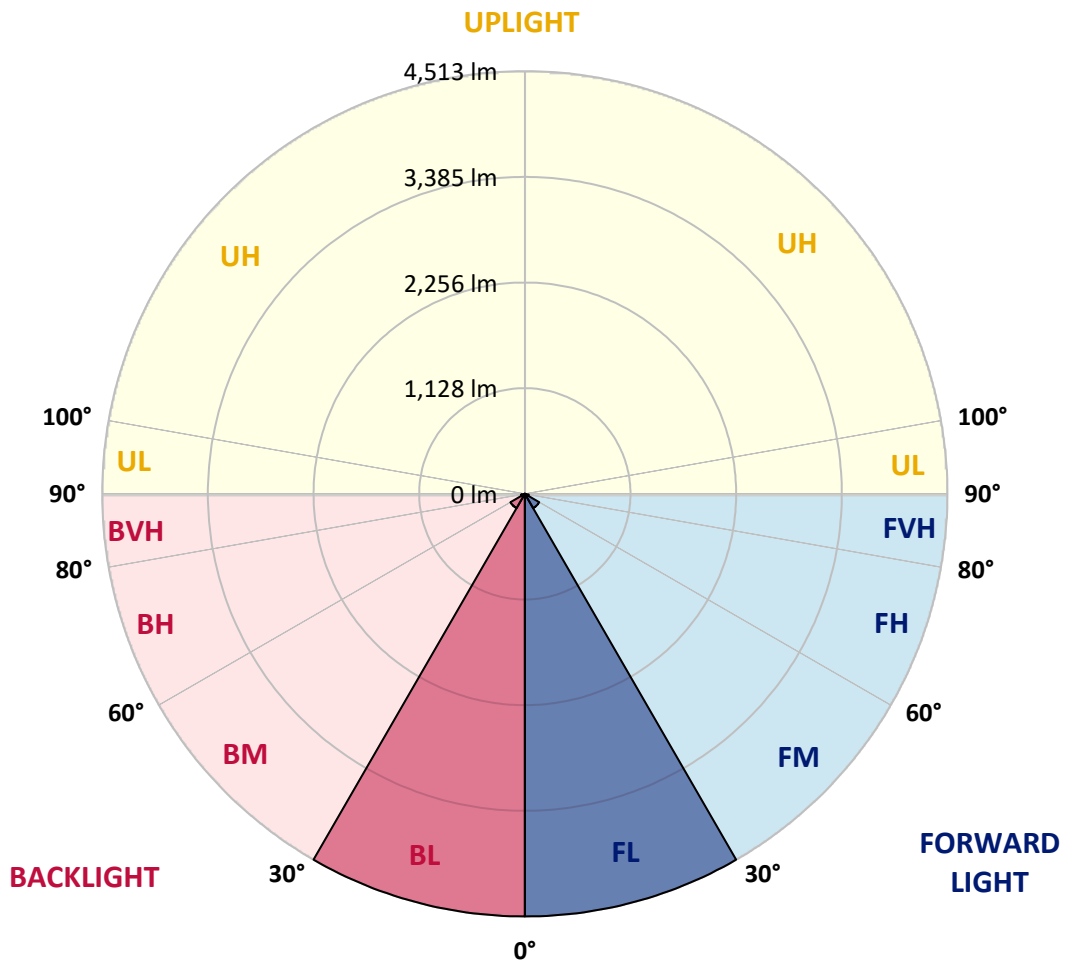


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4512.8	47.6			
FM (30°-60°)	177.4	1.9			
FH (60°-80°)	41.6	0.4			G0/660
FVH (80°-90°)	5.9	0.1			G0/10
BL (0°-30°)	4512.8	47.6	B4/5000		
BM (30°-60°)	177.4	1.9	B0/220		
BH (60°-80°)	41.6	0.4	B0/110		G0/660
BVH (80°-90°)	5.9	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°	65139.5	65139.5	65139.5	65139.5	65139.5	65139.5	65139.5	65139.5	65139.5	65139.5
1°	64263.1	64382.1	64527.9	64660.2	64859.6	65022.2	65307.1	65246.7	65238.4	65250.1
2°	63018.1	63167.2	63391.7	63524.1	64038.6	64249.7	64680.3	64807.7	64705.5	64821.1
3°	61153.0	61275.3	61627.2	61887.0	62553.9	63123.6	63700.1	63891.1	63772.1	63825.7
4°	58932.7	59058.4	59484.0	60013.5	60977.1	61608.8	62299.2	62470.1	62081.3	62108.1
5°	56290.1	56348.8	56869.9	57352.5	58505.4	59271.2	59926.4	59980.0	59624.8	59489.0
6°	53317.4	53211.9	53691.1	53895.5	55328.3	56109.1	56588.4	56526.4	56256.6	56141.0
7°	49785.0	49640.9	50028.0	49917.4	51185.9	51631.7	52092.5	51881.4	51666.9	51933.3
8°	45698.0	45617.6	45367.9	45820.3	46071.7	46470.5	46468.8	46346.5	46339.8	46783.9
9°	39756.0	40498.3	40278.8	40753.0	40689.3	40670.9	40548.6	40469.8	40134.7	40645.8
10°	33230.8	33716.8	34087.1	34794.2	34656.8	34851.2	34170.9	34286.5	34063.6	34485.9
12.5°	17201.1	17747.3	18067.4	18607.0	19200.2	19806.8	19610.7	19408.0	19104.7	19476.7
15°	8467.3	8683.5	8785.7	9333.6	9755.9	9908.4	9931.9	9752.6	9675.5	9755.9
17.5°	5196.3	5271.8	5568.4	6198.4	6563.7	6654.2	6595.6	6399.5	6180.0	6087.8
20°	3761.9	3783.7	3896.0	4018.3	4506.0	4760.7	4666.8	4474.1	4271.4	4175.8
22.5°	2456.6	2478.4	2515.2	2582.3	2713.0	3028.0	2925.8	2795.1	2657.7	2629.2
25°	1390.8	1390.8	1429.4	1498.1	1595.3	1618.7	1638.8	1499.8	1436.1	1407.6
27.5°	775.8	780.9	789.3	816.1	864.7	859.6	837.9	801.0	757.4	712.2
30°	429.0	434.0	439.0	445.7	454.1	439.0	425.6	418.9	400.5	395.5
32.5°	321.7	321.7	325.1	323.4	315.0	296.6	288.2	298.3	296.6	288.2
35°	264.8	264.8	268.1	274.8	258.1	244.7	237.9	251.4	251.4	246.3
37.5°	216.2	217.8	219.5	227.9	222.9	207.8	206.1	209.5	211.1	209.5
40°	189.4	187.7	187.7	189.4	186.0	182.7	179.3	177.6	179.3	177.6
42.5°	164.2	162.5	165.9	162.5	155.8	157.5	157.5	152.5	154.2	150.8
45°	144.1	142.4	144.1	140.8	135.7	137.4	137.4	130.7	130.7	129.0
47.5°	127.4	127.4	127.4	129.0	120.7	119.0	120.7	119.0	113.9	112.3
50°	110.6	112.3	113.9	117.3	108.9	105.6	105.6	105.6	102.2	100.5
52.5°	102.2	103.9	103.9	103.9	98.9	95.5	95.5	93.8	92.2	90.5
55°	98.9	98.9	98.9	92.2	90.5	88.8	83.8	82.1	80.4	80.4
57.5°	93.8	93.8	92.2	87.1	82.1	82.1	75.4	73.7	72.1	72.1
60°	83.8	83.8	83.8	82.1	75.4	73.7	67.0	63.7	62.0	62.0
62.5°	77.1	77.1	77.1	70.4	68.7	63.7	58.6	53.6	51.9	48.6
65°	70.4	70.4	70.4	63.7	60.3	55.3	48.6	43.6	40.2	35.2
67.5°	65.4	65.4	63.7	58.6	53.6	46.9	40.2	35.2	28.5	25.1
70°	57.0	57.0	55.3	51.9	46.9	41.9	33.5	26.8	21.8	16.8
72.5°	48.6	48.6	46.9	43.6	40.2	35.2	28.5	23.5	15.1	11.7
75°	40.2	40.2	38.5	35.2	33.5	30.2	25.1	18.4	11.7	5.0
77.5°	33.5	33.5	31.8	30.2	28.5	25.1	21.8	15.1	8.4	3.4
80°	25.1	26.8	26.8	26.8	23.5	21.8	20.1	15.1	6.7	1.7
82.5°	18.4	20.1	20.1	20.1	18.4	16.8	18.4	13.4	6.7	1.7
85°	13.4	13.4	15.1	15.1	15.1	15.1	20.1	15.1	5.0	1.7
87.5°	6.7	6.7	6.7	6.7	6.7	8.4	10.1	8.4	3.4	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°  
65139.5  
**64782.6**  
64382.1  
63423.6  
61709.3  
59205.8  
55881.2  
51851.2  
45552.2  
39692.3  
33403.4  
18469.6  
9380.6  
5958.8  
4102.1  
2570.5  
1384.1  
713.8  
395.5  
283.2  
244.7  
209.5  
179.3  
152.5  
129.0  
112.3  
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88.8  
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