

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: P636130

Luminaire Tested: **IFLD-S-SA2C-927-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636130  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-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: 8611.3 lumens  
Efficiency: N/A  
Efficacy: 79.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

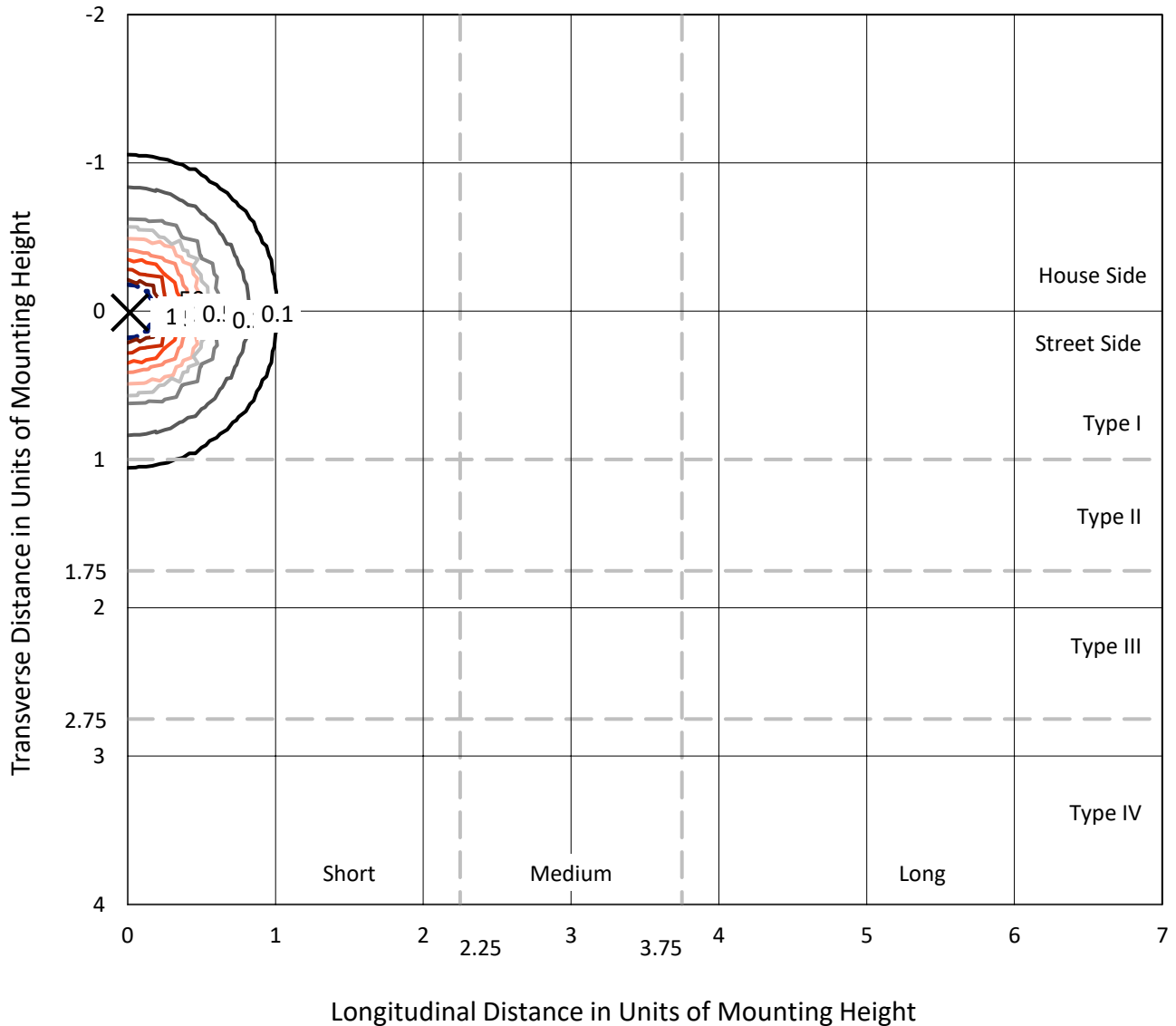
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

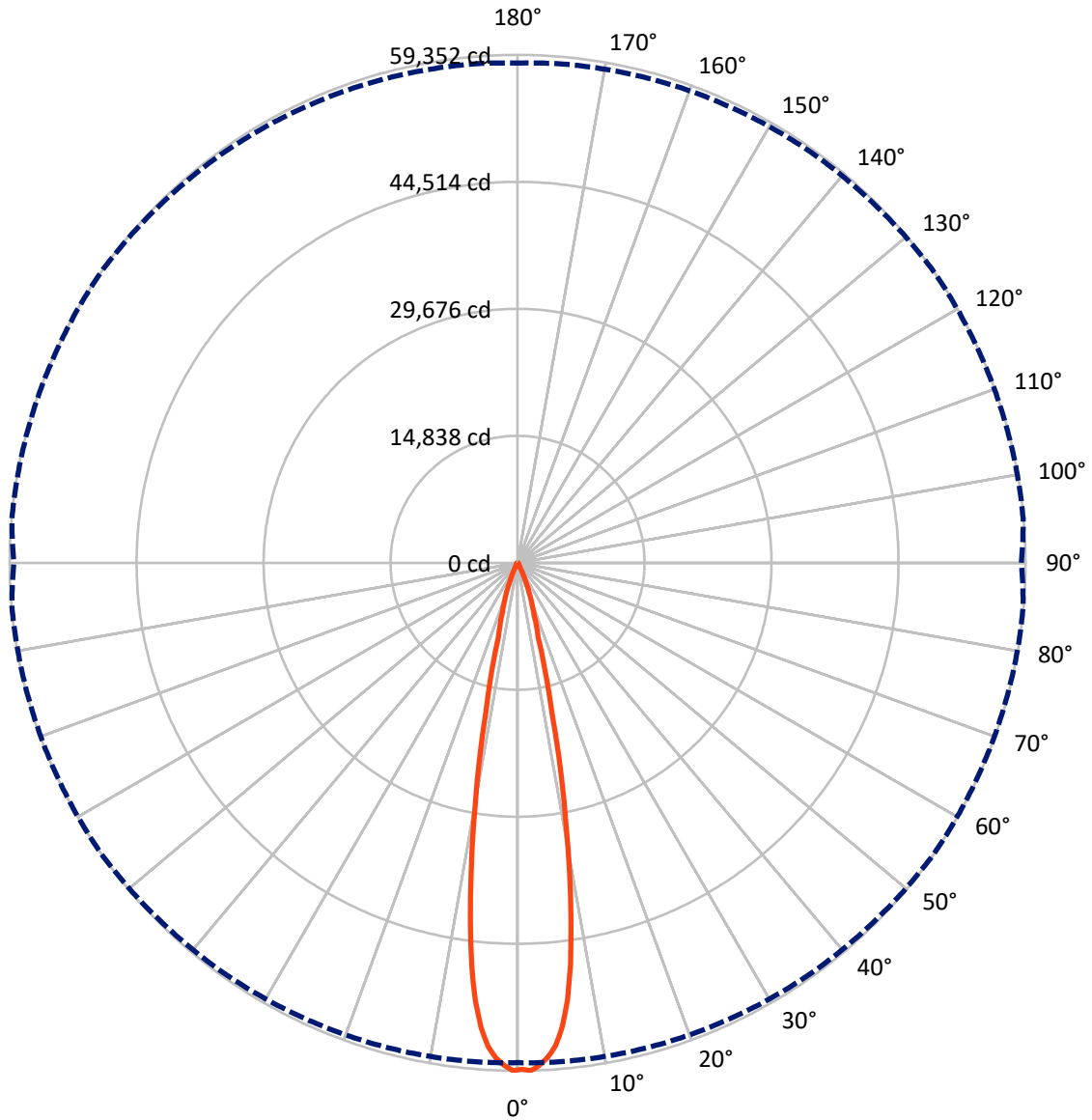
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 148 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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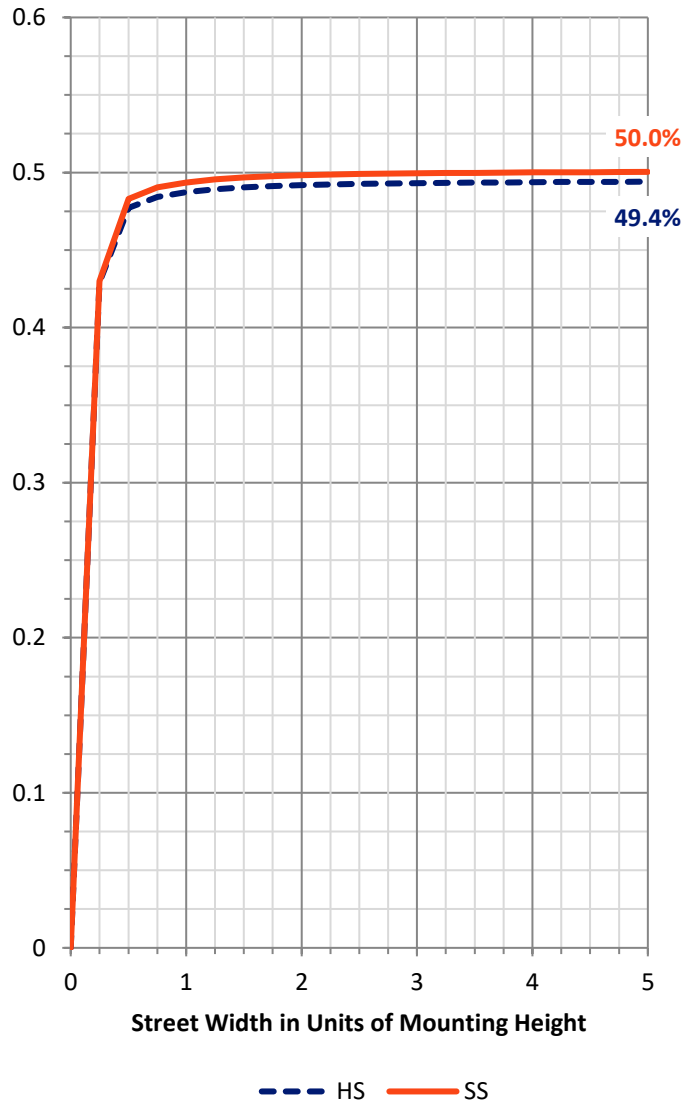
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4305.7	0.0	4305.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4305.7	0.0	4305.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8611.3	0.0	8611.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4375.2	50.8
10°-20°	3100.7	36.0
20°-30°	726.6	8.4
30°-40°	151.9	1.8
40°-50°	98.0	1.1
50°-60°	72.6	0.8
60°-70°	49.3	0.6
70°-80°	26.3	0.3
80°-90°	10.8	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°	8611.3	100.0
0°-180°	8611.3	100.0

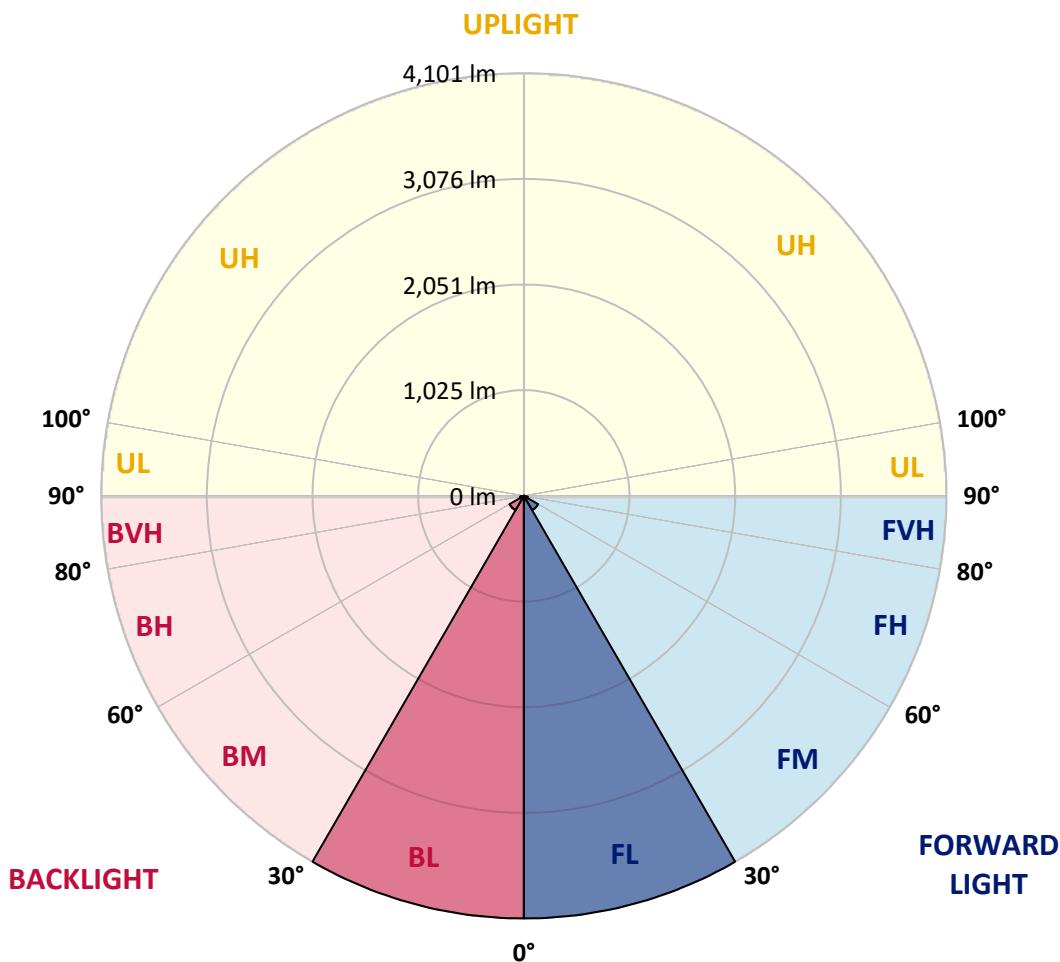


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4101.2	47.6			
FM (30°-60°)	161.2	1.9			
FH (60°-80°)	37.8	0.4			G0/660
FVH (80°-90°)	5.4	0.1			G0/10
BL (0°-30°)	4101.2	47.6	B4/5000		
BM (30°-60°)	161.2	1.9	B0/220		
BH (60°-80°)	37.8	0.4	B0/110		G0/660
BVH (80°-90°)	5.4	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°	59199.6	59199.6	59199.6	59199.6	59199.6	59199.6	59199.6	59199.6	59199.6	59199.6
1°	58403.1	58511.3	58643.7	58764.1	58945.3	59093.0	59351.9	59297.1	59289.5	59300.1
2°	57271.6	57407.2	57611.2	57731.5	58199.1	58390.9	58782.3	58898.1	58805.2	58910.3
3°	55576.6	55687.8	56007.6	56243.7	56849.8	57367.6	57891.4	58065.0	57956.9	58005.7
4°	53558.8	53673.0	54059.8	54541.1	55416.7	55990.9	56618.3	56773.6	56420.3	56444.7
5°	51157.2	51210.5	51684.1	52122.7	53170.5	53866.4	54461.9	54510.6	54187.8	54064.4
6°	48455.6	48359.6	48795.2	48981.0	50283.0	50992.7	51428.3	51371.9	51126.7	51021.6
7°	45245.3	45114.3	45466.1	45365.6	46518.4	46923.5	47342.3	47150.4	46955.5	47197.6
8°	41530.9	41457.8	41230.9	41642.1	41870.6	42233.0	42231.5	42120.3	42114.2	42517.8
9°	36130.8	36805.4	36605.9	37036.9	36979.0	36962.3	36851.1	36779.5	36474.9	36939.4
10°	30200.6	30642.2	30978.8	31621.5	31496.6	31673.2	31054.9	31160.0	30957.5	31341.2
12.5°	15632.5	16129.0	16419.9	16910.3	17449.4	18000.7	17822.5	17638.2	17362.6	17700.6
15°	7695.2	7891.7	7984.6	8482.5	8866.3	9004.9	9026.2	8863.3	8793.2	8866.3
17.5°	4722.5	4791.0	5060.6	5633.2	5965.2	6047.4	5994.1	5815.9	5616.4	5532.7
20°	3418.9	3438.7	3540.7	3651.9	4095.1	4326.6	4241.3	4066.1	3881.9	3795.1
22.5°	2232.6	2252.4	2285.9	2346.8	2465.6	2751.9	2659.0	2540.2	2415.3	2389.4
25°	1264.0	1264.0	1299.0	1361.5	1449.8	1471.1	1489.4	1363.0	1305.1	1279.2
27.5°	705.1	709.7	717.3	741.7	785.8	781.2	761.4	727.9	688.3	647.2
30°	389.9	394.4	399.0	405.1	412.7	399.0	386.8	380.7	364.0	359.4
32.5°	292.4	292.4	295.4	293.9	286.3	269.6	261.9	271.1	269.6	261.9
35°	240.6	240.6	243.7	249.8	234.5	222.3	216.3	228.4	228.4	223.9
37.5°	196.5	198.0	199.5	207.1	202.5	188.8	187.3	190.4	191.9	190.4
40°	172.1	170.6	170.6	172.1	169.0	166.0	163.0	161.4	163.0	161.4
42.5°	149.2	147.7	150.8	147.7	141.6	143.2	143.2	138.6	140.1	137.1
45°	131.0	129.4	131.0	127.9	123.4	124.9	124.9	118.8	118.8	117.3
47.5°	115.7	115.7	115.7	117.3	109.6	108.1	109.6	108.1	103.6	102.0
50°	100.5	102.0	103.6	106.6	99.0	95.9	95.9	95.9	92.9	91.4
52.5°	92.9	94.4	94.4	94.4	89.9	86.8	86.8	85.3	83.8	82.2
55°	89.9	89.9	89.9	83.8	82.2	80.7	76.1	74.6	73.1	73.1
57.5°	85.3	85.3	83.8	79.2	74.6	74.6	68.5	67.0	65.5	65.5
60°	76.1	76.1	76.1	74.6	68.5	67.0	60.9	57.9	56.3	56.3
62.5°	70.1	70.1	70.1	64.0	62.4	57.9	53.3	48.7	47.2	44.2
65°	64.0	64.0	64.0	57.9	54.8	50.3	44.2	39.6	36.5	32.0
67.5°	59.4	59.4	57.9	53.3	48.7	42.6	36.5	32.0	25.9	22.8
70°	51.8	51.8	50.3	47.2	42.6	38.1	30.5	24.4	19.8	15.2
72.5°	44.2	44.2	42.6	39.6	36.5	32.0	25.9	21.3	13.7	10.7
75°	36.5	36.5	35.0	32.0	30.5	27.4	22.8	16.8	10.7	4.6
77.5°	30.5	30.5	28.9	27.4	25.9	22.8	19.8	13.7	7.6	3.0
80°	22.8	24.4	24.4	24.4	21.3	19.8	18.3	13.7	6.1	1.5
82.5°	16.8	18.3	18.3	18.3	16.8	15.2	16.8	12.2	6.1	1.5
85°	12.2	12.2	13.7	13.7	13.7	13.7	18.3	13.7	4.6	1.5
87.5°	6.1	6.1	6.1	6.1	6.1	7.6	9.1	7.6	3.0	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°  
59199.6  
58875.2  
58511.3  
57640.2  
56082.2  
53807.0  
50785.6  
47123.0  
41398.5  
36072.9  
30357.4  
16785.4  
8525.2  
5415.4  
3728.1  
2336.1  
1257.9  
648.8  
359.4  
257.4  
222.3  
190.4  
163.0  
138.6  
117.3  
102.0  
89.9  
80.7  
71.6  
65.5  
54.8  
41.1  
32.0  
21.3  
15.2  
9.1  
4.6  
1.5  
1.5  
1.5  
1.5  
0.0  
0.0

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