

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: P636133

Luminaire Tested: **IFLD-S-SA3A-927-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636133  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-927-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (48) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8335.7 lumens  
Efficiency: N/A  
Efficacy: 87.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

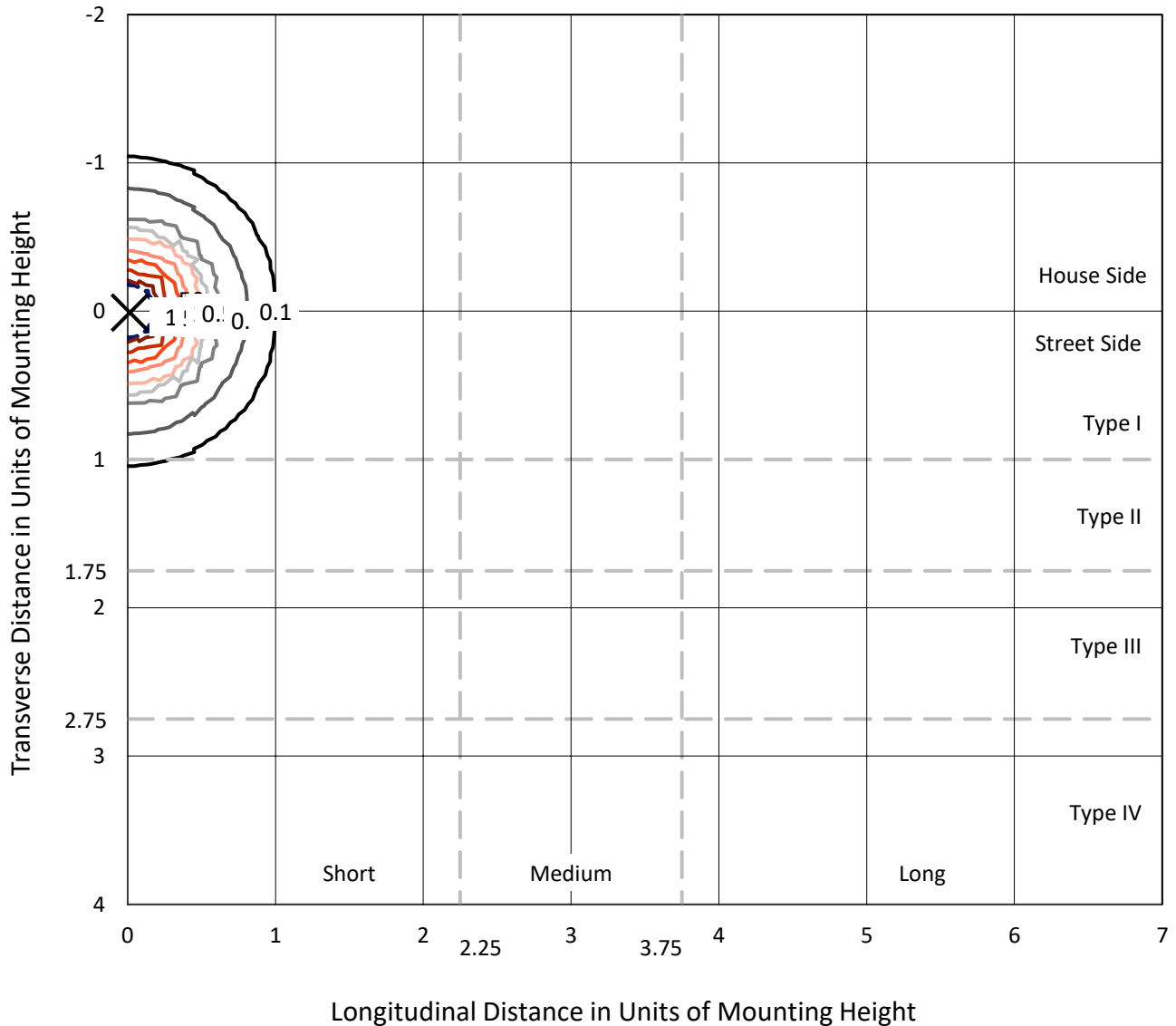
Input Watts (W): 94.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

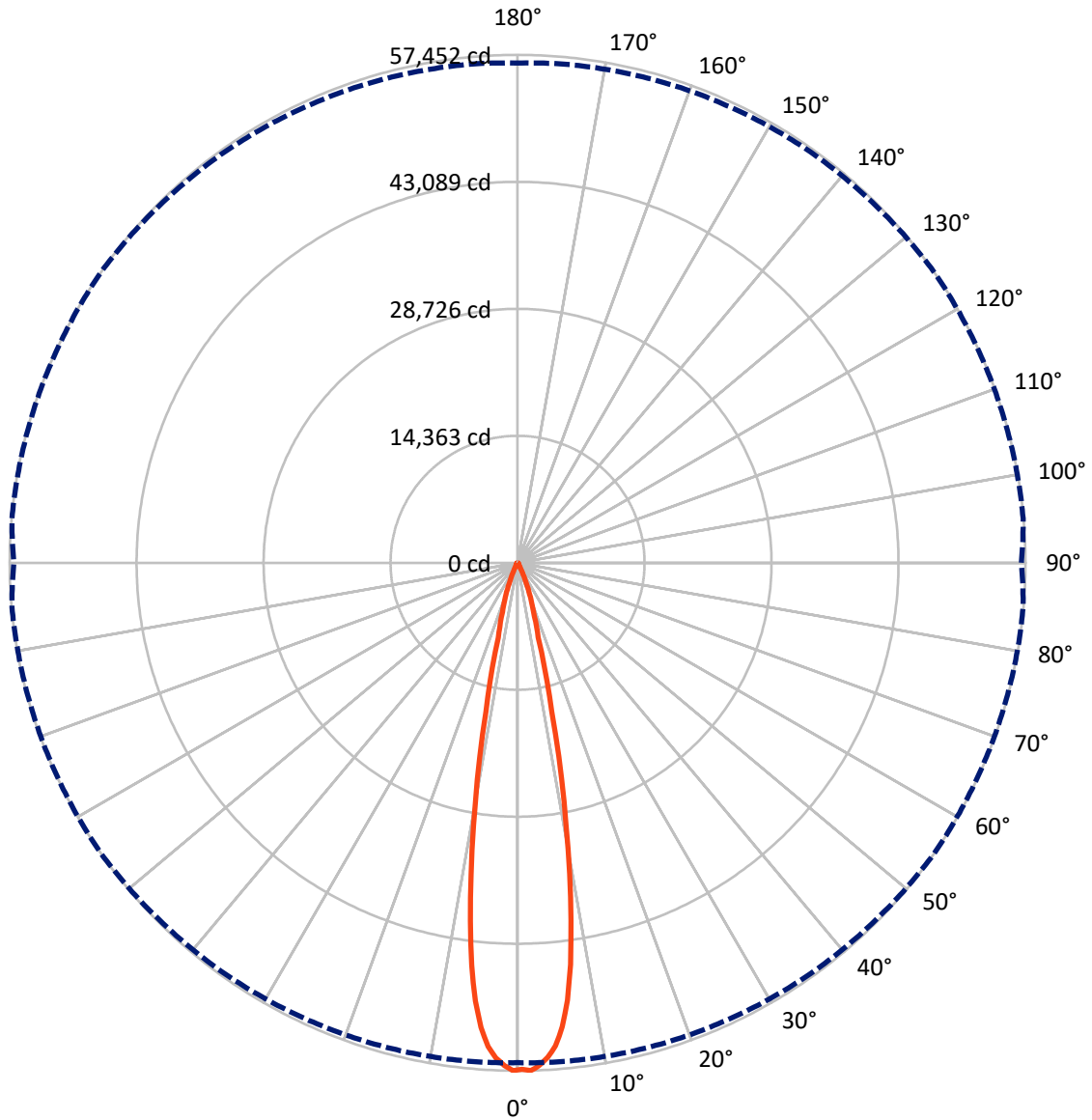
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 143.3 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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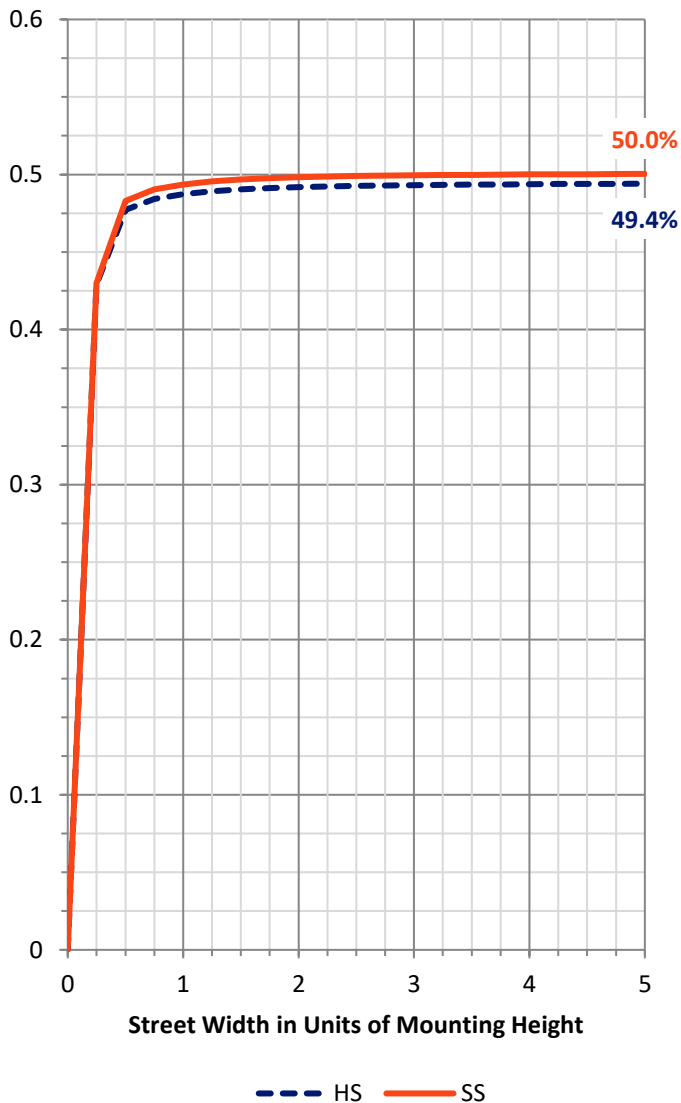
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4167.9	0.0	4167.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4167.9	0.0	4167.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8335.7	0.0	8335.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4235.2	50.8
10°-20°	3001.5	36.0
20°-30°	703.3	8.4
30°-40°	147.0	1.8
40°-50°	94.8	1.1
50°-60°	70.2	0.8
60°-70°	47.7	0.6
70°-80°	25.5	0.3
80°-90°	10.4	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°	8335.7	100.0
0°-180°	8335.7	100.0

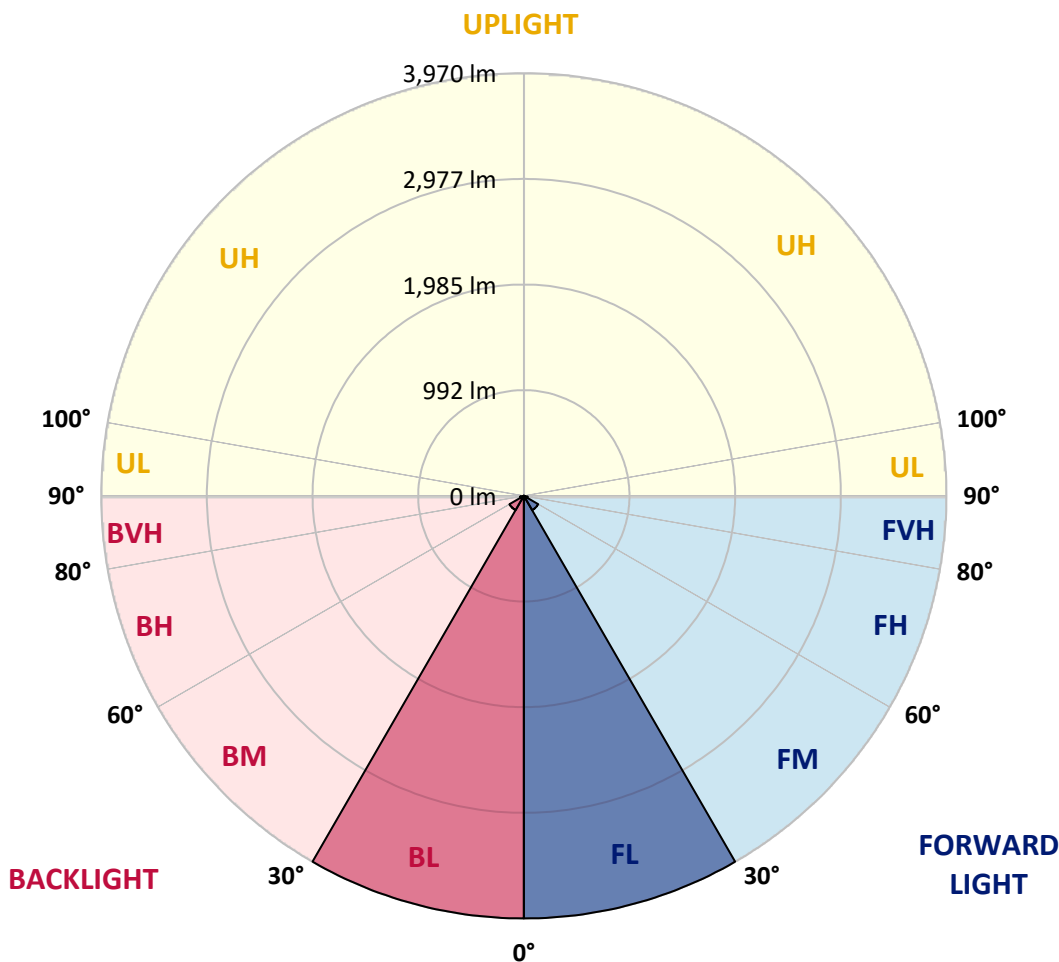


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3970.0	47.6			
FM (30°-60°)	156.0	1.9			
FH (60°-80°)	36.6	0.4			G0/660
FVH (80°-90°)	5.2	0.1			G0/10
BL (0°-30°)	3970.0	47.6	B4/5000		
BM (30°-60°)	156.0	1.9	B0/220		
BH (60°-80°)	36.6	0.4	B0/110		G0/660
BVH (80°-90°)	5.2	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°	57305.0	57305.0	57305.0	57305.0	57305.0	57305.0	57305.0	57305.0	57305.0	57305.0
1°	56534.0	56638.7	56767.0	56883.4	57058.8	57201.8	57452.4	57399.4	57392.0	57402.3
2°	55438.7	55569.9	55767.5	55883.9	56336.5	56522.2	56901.1	57013.1	56923.2	57024.9
3°	53798.0	53905.6	54215.2	54443.7	55030.4	55531.6	56038.7	56206.8	56102.1	56149.3
4°	51844.7	51955.3	52329.7	52795.6	53643.2	54199.0	54806.3	54956.7	54614.7	54638.3
5°	49520.0	49571.6	50030.0	50454.6	51468.8	52142.5	52718.9	52766.1	52453.6	52334.2
6°	46904.8	46812.0	47233.6	47413.4	48673.8	49360.8	49782.4	49727.8	49490.5	49388.8
7°	43797.3	43670.5	44011.0	43913.8	45029.7	45421.8	45827.2	45641.5	45452.8	45687.2
8°	40201.8	40131.1	39911.4	40309.4	40530.6	40881.4	40879.9	40772.3	40766.4	41157.1
9°	34974.4	35627.5	35434.4	35851.6	35795.6	35779.3	35671.7	35602.4	35307.6	35757.2
10°	29234.1	29661.6	29987.4	30609.5	30488.6	30659.6	30061.1	30162.8	29966.7	30338.2
12.5°	15132.3	15612.8	15894.4	16369.1	16890.9	17424.6	17252.1	17073.7	16806.9	17134.2
15°	7448.9	7639.1	7729.0	8211.1	8582.6	8716.7	8737.3	8579.6	8511.8	8582.6
17.5°	4571.4	4637.7	4898.6	5452.9	5774.3	5853.9	5802.3	5629.8	5436.7	5355.6
20°	3309.5	3328.7	3427.4	3535.0	3964.0	4188.1	4105.5	3936.0	3757.6	3673.6
22.5°	2161.1	2180.3	2212.7	2271.7	2386.7	2663.8	2573.9	2458.9	2338.0	2313.0
25°	1223.6	1223.6	1257.5	1317.9	1403.4	1424.0	1441.7	1319.4	1263.4	1238.3
27.5°	682.5	687.0	694.3	717.9	760.7	756.2	737.1	704.6	666.3	626.5
30°	377.4	381.8	386.2	392.1	399.5	386.2	374.4	368.5	352.3	347.9
32.5°	283.0	283.0	286.0	284.5	277.1	260.9	253.6	262.4	260.9	253.6
35°	232.9	232.9	235.9	241.8	227.0	215.2	209.3	221.1	221.1	216.7
37.5°	190.2	191.6	193.1	200.5	196.1	182.8	181.3	184.3	185.7	184.3
40°	166.6	165.1	165.1	166.6	163.6	160.7	157.7	156.3	157.7	156.3
42.5°	144.5	143.0	145.9	143.0	137.1	138.6	138.6	134.1	135.6	132.7
45°	126.8	125.3	126.8	123.8	119.4	120.9	120.9	115.0	115.0	113.5
47.5°	112.0	112.0	112.0	113.5	106.1	104.7	106.1	104.7	100.2	98.8
50°	97.3	98.8	100.2	103.2	95.8	92.9	92.9	92.9	89.9	88.4
52.5°	89.9	91.4	91.4	91.4	87.0	84.0	84.0	82.6	81.1	79.6
55°	87.0	87.0	87.0	81.1	79.6	78.1	73.7	72.2	70.8	70.8
57.5°	82.6	82.6	81.1	76.7	72.2	72.2	66.3	64.9	63.4	63.4
60°	73.7	73.7	73.7	72.2	66.3	64.9	59.0	56.0	54.5	54.5
62.5°	67.8	67.8	67.8	61.9	60.4	56.0	51.6	47.2	45.7	42.8
65°	61.9	61.9	61.9	56.0	53.1	48.6	42.8	38.3	35.4	31.0
67.5°	57.5	57.5	56.0	51.6	47.2	41.3	35.4	31.0	25.1	22.1
70°	50.1	50.1	48.6	45.7	41.3	36.9	29.5	23.6	19.2	14.7
72.5°	42.8	42.8	41.3	38.3	35.4	31.0	25.1	20.6	13.3	10.3
75°	35.4	35.4	33.9	31.0	29.5	26.5	22.1	16.2	10.3	4.4
77.5°	29.5	29.5	28.0	26.5	25.1	22.1	19.2	13.3	7.4	2.9
80°	22.1	23.6	23.6	23.6	20.6	19.2	17.7	13.3	5.9	1.5
82.5°	16.2	17.7	17.7	17.7	16.2	14.7	16.2	11.8	5.9	1.5
85°	11.8	11.8	13.3	13.3	13.3	13.3	17.7	13.3	4.4	1.5
87.5°	5.9	5.9	5.9	5.9	5.9	7.4	8.8	7.4	2.9	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°  
57305.0  
*56991.0*  
56638.7  
55795.5  
54287.4  
52085.0  
49160.3  
45614.9  
40073.6  
34918.4  
29385.9  
16248.2  
8252.3  
5242.1  
3608.7  
2261.4  
1217.7  
628.0  
347.9  
249.1  
215.2  
184.3  
157.7  
134.1  
113.5  
98.8  
87.0  
78.1  
69.3  
63.4  
53.1  
39.8  
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20.6  
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