

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: P525267

Luminaire Tested: **IFLD-L-SA8B-927-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525267  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-927-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (128) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

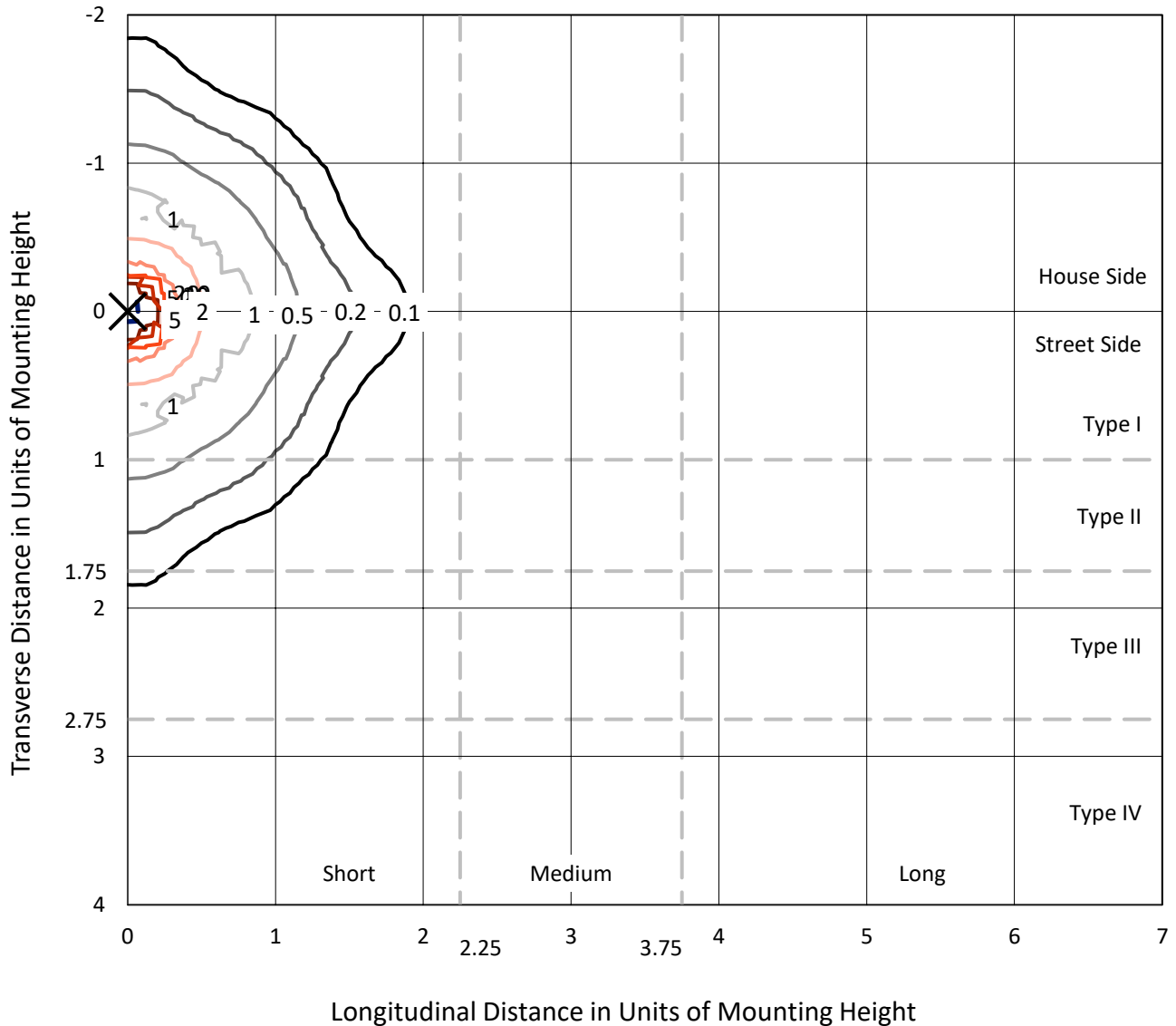
Lumens per Lamp: N/A  
Luminaire Lumens: 14625.7 lumens  
Efficiency: N/A  
Efficacy: 45.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

Input Watts (W): 320  
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: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

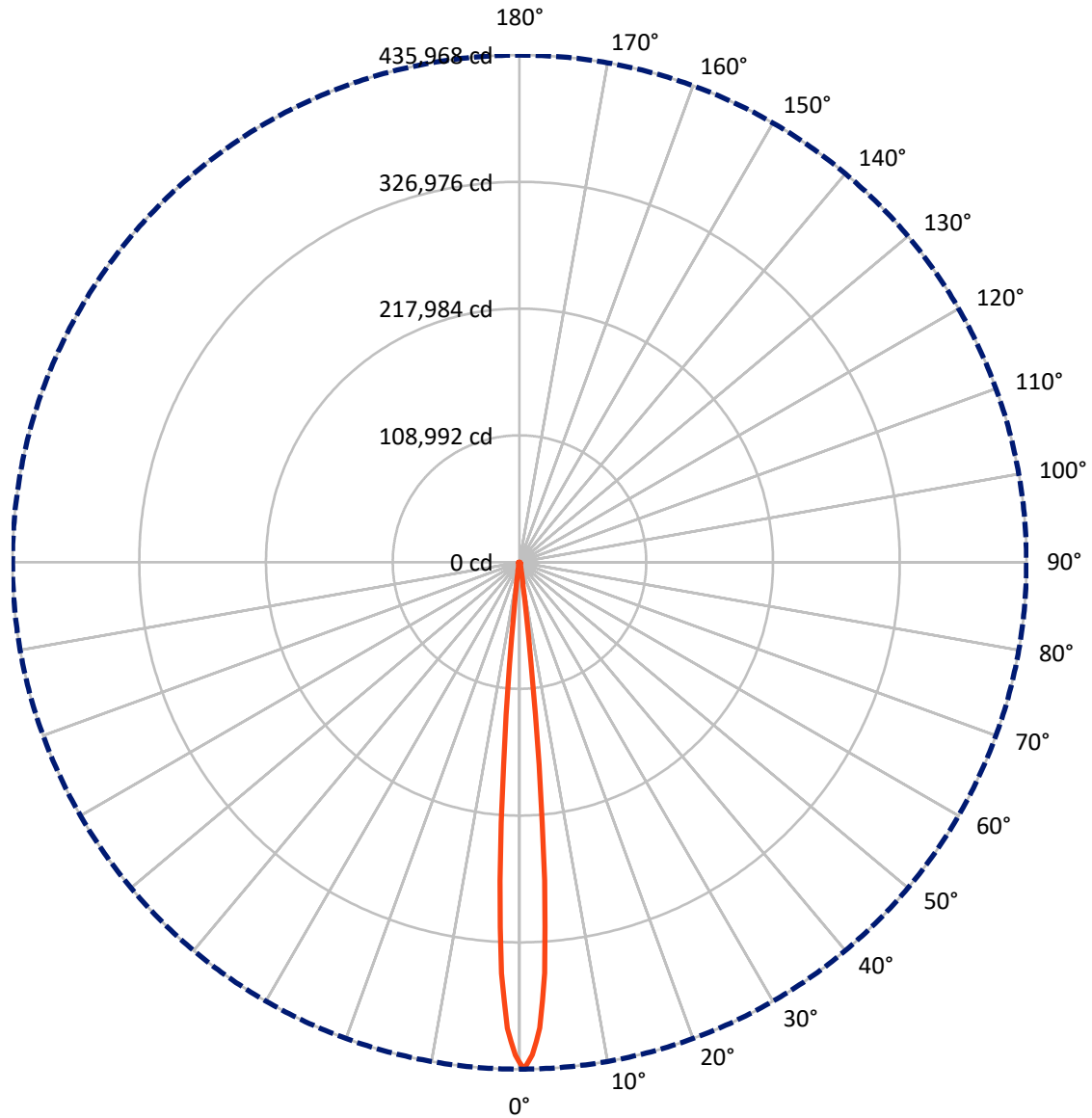
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1089.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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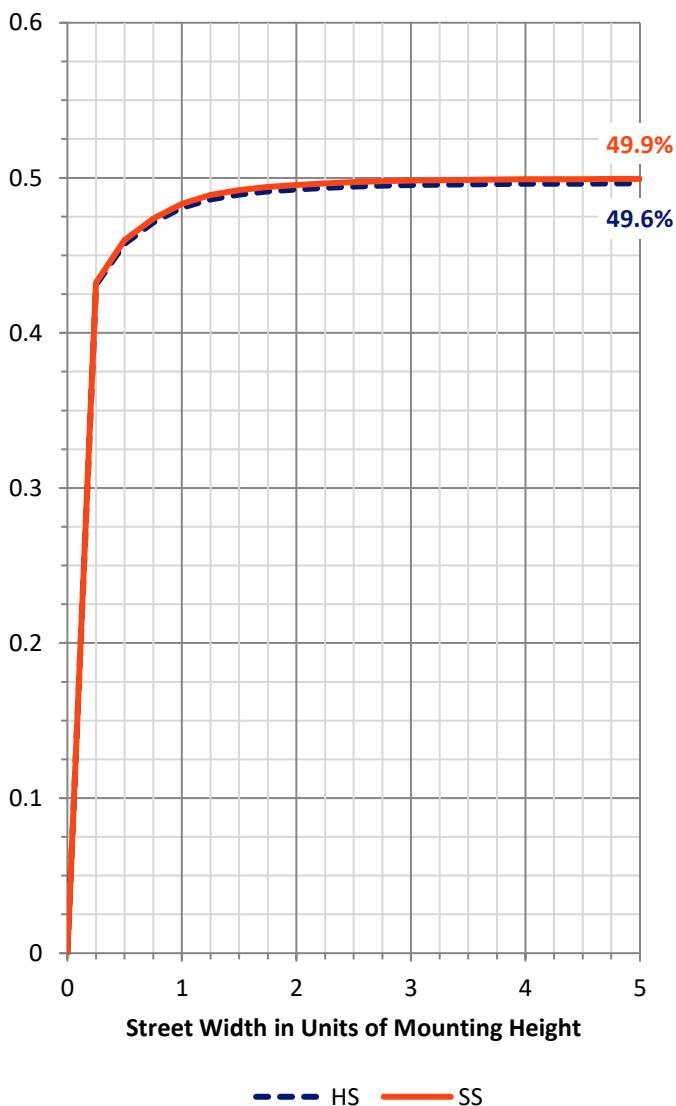
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7312.9	0.0	7312.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7312.9	0.0	7312.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14625.7	0.0	14625.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11232.5	76.8
10°-20°	1095.6	7.5
20°-30°	585.3	4.0
30°-40°	482.7	3.3
40°-50°	537.5	3.7
50°-60°	361.5	2.5
60°-70°	230.7	1.6
70°-80°	91.1	0.6
80°-90°	8.9	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°	14625.7	100.0
0°-180°	14625.7	100.0

**Coefficient of Utilization**

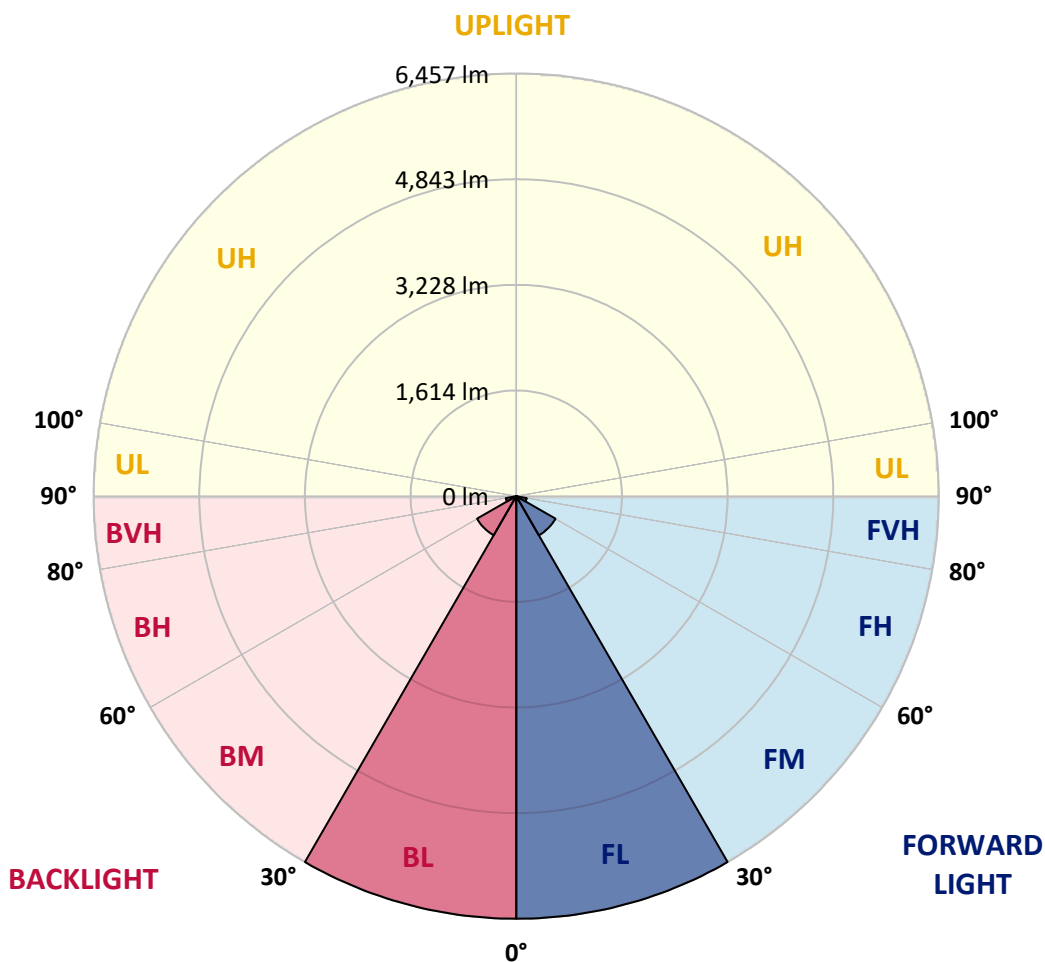


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6456.7	44.1			
FM (30°-60°)	690.8	4.7			
FH (60°-80°)	160.9	1.1			G0/660
FVH (80°-90°)	4.5	0.0			G0/10
BL (0°-30°)	6456.7	44.1	B5		
BM (30°-60°)	690.8	4.7	B1/1000		
BH (60°-80°)	160.9	1.1	B1/500		G0/660
BVH (80°-90°)	4.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	435968.1	435968.1	435968.1	435968.1	435968.1	435968.1	435968.1	435968.1	435968.1	435968.1
1°	423851.3	424588.5	424721.4	423843.7	421605.8	422133.9	422065.6	422183.3	421963.0	420564.7
2°	400902.0	401992.5	400845.1	398382.9	393283.9	392068.1	388006.4	383473.5	378648.1	373811.2
3°	354057.4	356352.3	354714.7	357344.0	347001.6	345956.7	337415.3	326153.5	314739.6	305491.5
4°	274513.8	278754.1	279316.4	287994.6	279498.8	282154.7	272397.4	256750.9	239675.7	226612.8
5°	174980.7	180892.8	184228.8	192367.5	196281.0	206471.4	201718.2	186014.6	166283.6	151256.3
6°	88411.8	91630.0	100593.1	109541.1	119533.9	133056.5	134887.9	121103.1	105399.6	90976.5
7°	41213.7	42543.6	48866.0	50773.4	62198.7	76868.7	78920.5	71363.2	63080.1	51901.9
8°	21296.5	21813.2	24123.4	25540.6	32205.0	40643.8	42083.8	37326.8	33937.6	28314.3
9°	13116.1	13344.0	14210.3	14529.5	17022.0	20775.9	21285.1	19294.1	18374.6	16433.1
10°	9096.1	9217.7	9624.3	9707.9	10540.0	11774.8	11820.4	11166.9	11182.1	10695.7
12.5°	4848.2	4886.2	5000.2	5011.6	5171.2	5300.4	5270.0	5273.8	5338.4	5273.8
15°	3100.4	3119.4	3187.8	3203.0	3286.6	3332.2	3309.4	3305.6	3328.4	3286.6
17.5°	2211.3	2222.7	2272.1	2313.9	2367.1	2382.3	2374.7	2367.1	2367.1	2329.1
20°	1725.0	1740.2	1774.4	1816.2	1842.8	1869.4	1873.2	1869.4	1858.0	1839.0
22.5°	1466.6	1474.2	1485.6	1504.6	1523.6	1535.0	1542.6	1546.4	1542.6	1535.0
25°	1276.6	1284.2	1307.0	1318.4	1318.4	1322.2	1337.4	1345.0	1348.8	1333.6
27.5°	942.3	961.3	995.5	1014.5	1014.5	1022.1	1033.5	1048.7	1063.9	1037.3
30°	729.5	744.7	782.7	782.7	778.9	786.5	797.9	820.7	843.5	813.1
32.5°	657.3	657.3	664.9	668.7	668.7	680.1	687.7	706.7	725.7	718.1
35°	687.7	668.7	645.9	645.9	653.5	676.3	680.1	699.1	718.1	744.7
37.5°	999.3	942.3	858.7	843.5	843.5	870.1	858.7	870.1	904.3	1003.1
40°	908.1	862.5	813.1	744.7	744.7	782.7	756.1	771.3	851.1	911.9
42.5°	809.3	809.3	756.1	691.5	691.5	710.5	702.9	710.5	801.7	851.1
45°	748.5	748.5	733.3	630.7	645.9	657.3	657.3	657.3	778.9	794.1
47.5°	714.3	714.3	676.3	581.3	600.3	604.1	611.7	604.1	699.1	752.3
50°	638.3	645.9	581.3	512.9	535.7	535.7	547.1	531.9	604.1	691.5
52.5°	550.9	558.5	459.7	406.6	433.1	429.3	444.5	421.8	478.7	600.3
55°	490.1	486.3	380.0	330.6	361.0	357.2	364.8	338.2	387.6	516.7
57.5°	425.5	433.1	311.6	269.8	304.0	296.4	307.8	277.4	319.2	459.7
60°	376.2	387.6	266.0	228.0	262.2	254.6	266.0	231.8	273.6	414.2
62.5°	361.0	361.0	235.6	193.8	228.0	220.4	228.0	193.8	243.2	380.0
65°	429.3	406.6	212.8	159.6	193.8	186.2	193.8	159.6	212.8	364.8
67.5°	569.9	543.3	201.4	125.4	155.8	144.4	155.8	129.2	186.2	342.0
70°	296.4	315.4	201.4	98.8	117.8	117.8	114.0	98.8	155.8	250.8
72.5°	171.0	174.8	155.8	76.0	91.2	98.8	87.4	76.0	114.0	186.2
75°	95.0	106.4	98.8	57.0	68.4	76.0	64.6	57.0	79.8	133.0
77.5°	57.0	64.6	57.0	38.0	45.6	41.8	45.6	38.0	53.2	87.4
80°	30.4	30.4	30.4	22.8	22.8	26.6	26.6	22.8	30.4	45.6
82.5°	11.4	11.4	11.4	7.6	11.4	11.4	11.4	15.2	15.2	19.0
85°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
87.5°	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
435968.1  
421944.0  
376596.3  
308998.5  
229641.1  
153182.7  
92055.5  
53254.5  
29078.0  
16854.8  
10919.9  
5346.0  
3317.0  
2340.5  
1842.8  
1538.8  
1333.6  
1033.5  
805.5  
718.1  
759.9  
1052.5  
968.9  
854.9  
790.3  
740.9  
683.9  
585.1  
509.1  
448.3  
402.8  
376.2  
364.8  
338.2  
247.0  
182.4  
117.8  
64.6  
38.0  
19.0  
3.8  
3.8  
0.0

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