

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: P636032

Luminaire Tested: **IFLD-L-SA7A-930-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636032  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-930-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (112) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19035.1 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

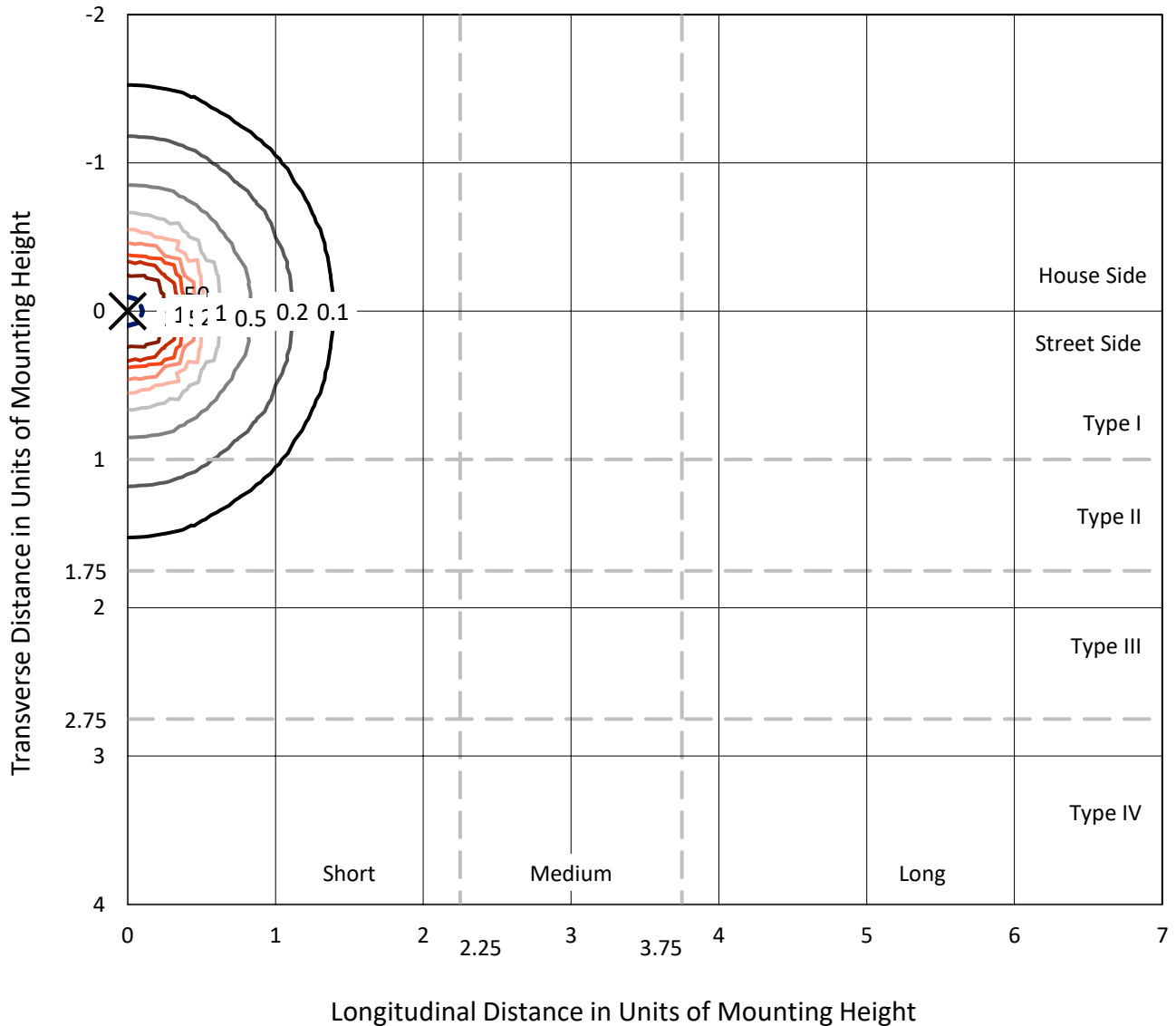
Input Watts (W): 217.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

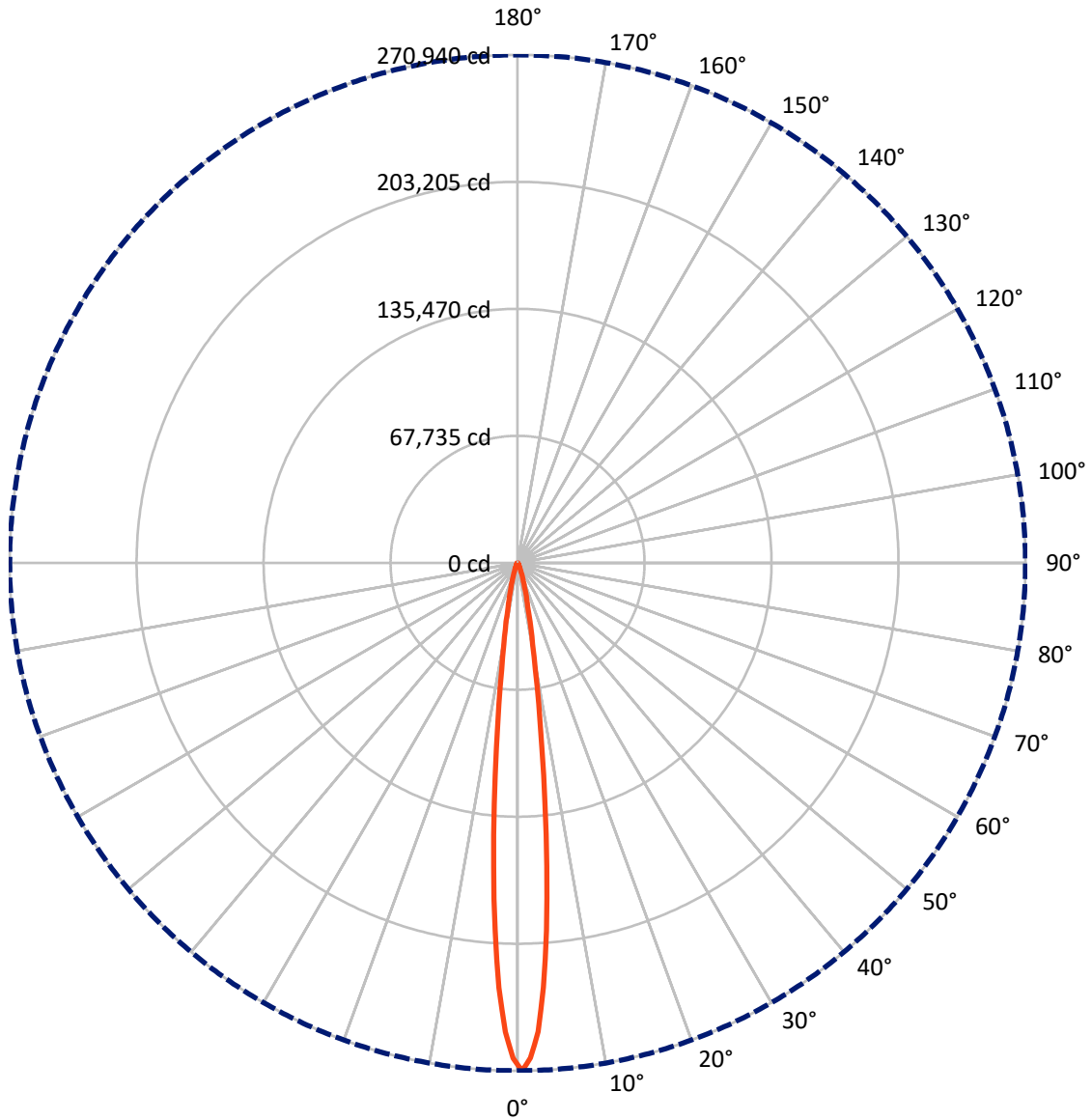
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 677.3 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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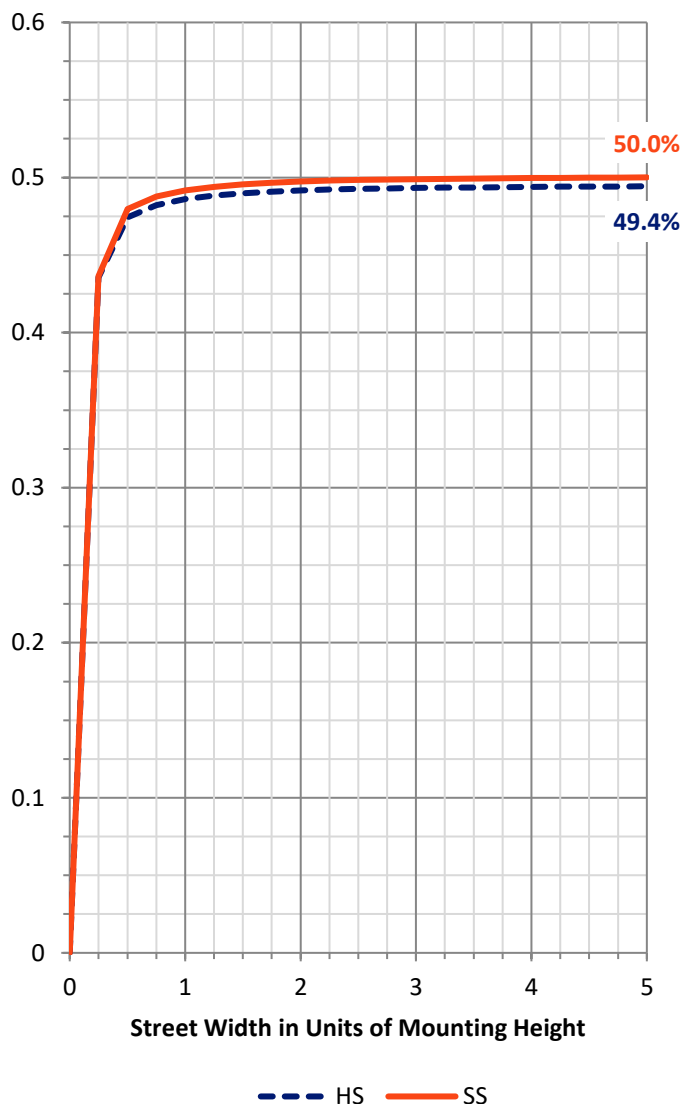
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9517.6	0.0	9517.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9517.6	0.0	9517.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19035.1	0.0	19035.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11603.4	61.0
10°-20°	5198.4	27.3
20°-30°	1160.9	6.1
30°-40°	378.9	2.0
40°-50°	261.3	1.4
50°-60°	197.4	1.0
60°-70°	135.1	0.7
70°-80°	71.2	0.4
80°-90°	28.4	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°	19035.1	100.0
0°-180°	19035.1	100.0

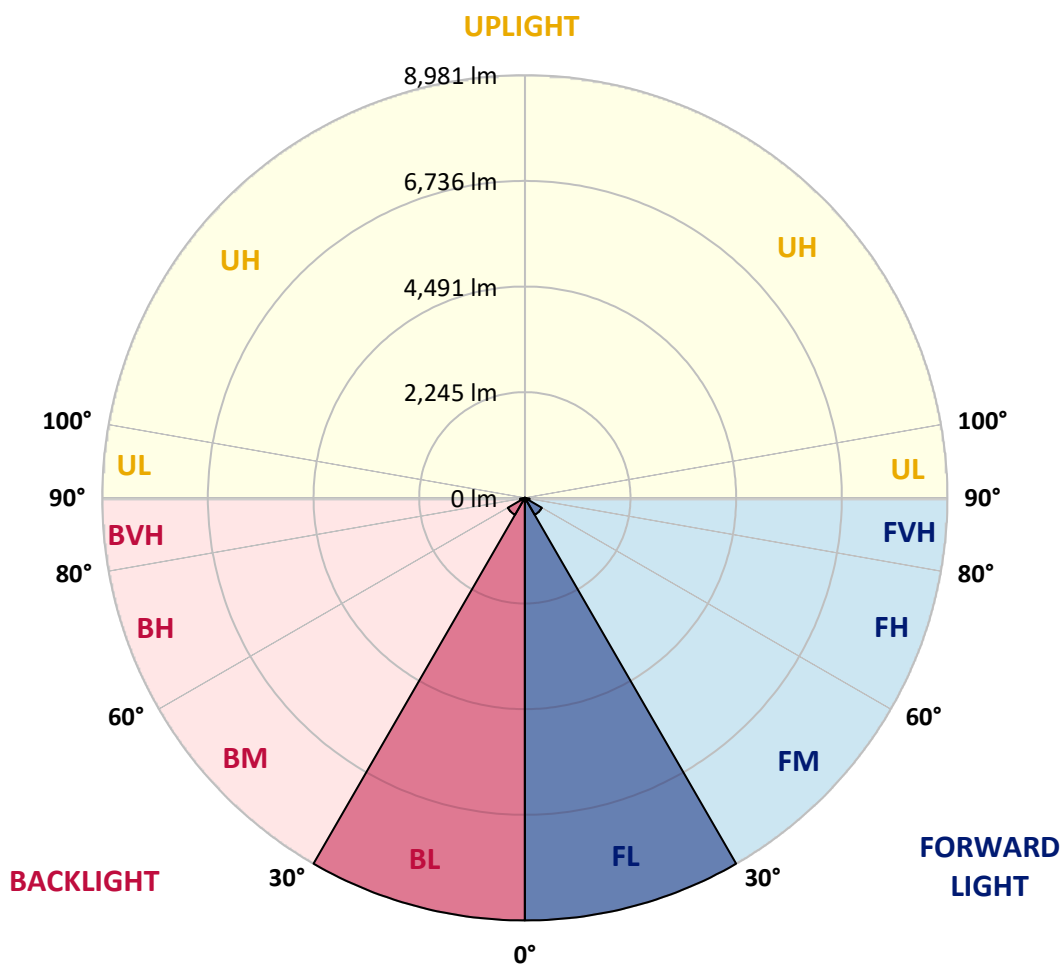


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8981.4	47.2			
FM (30°-60°)	418.8	2.2			
FH (60°-80°)	103.1	0.5			G0/660
FVH (80°-90°)	14.2	0.1			G1/100
BL (0°-30°)	8981.4	47.2	B5		
BM (30°-60°)	418.8	2.2	B1/1000		
BH (60°-80°)	103.1	0.5	B0/110		G0/660
BVH (80°-90°)	14.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	270939.8	270939.8	270939.8	270939.8	270939.8	270939.8	270939.8	270939.8	270939.8	270939.8
1°	264213.0	264572.4	264172.3	266193.1	267027.2	267461.1	267512.0	268651.2	267773.1	268017.2
2°	250288.2	251088.3	249749.1	251044.3	253634.6	254614.5	253017.5	254990.8	254285.6	254695.8
3°	226890.2	227870.0	226018.8	227602.2	230935.1	231681.0	229063.5	231867.5	231796.3	232386.2
4°	196731.5	198321.7	195677.1	197552.0	199026.9	201624.0	199087.9	202278.4	202217.4	203241.3
5°	162497.4	164216.4	161917.7	163863.8	165260.7	166227.0	165298.0	168827.5	169051.3	170109.2
6°	128999.1	130602.8	128036.2	129894.2	132108.2	132504.9	132264.2	135302.1	135976.8	135152.9
7°	99277.8	99677.9	99274.4	100962.9	102739.5	102803.9	103115.9	105787.6	106380.9	106096.1
8°	76032.4	74201.5	75774.7	76669.8	77219.1	79741.6	79928.1	81274.1	82365.9	82443.9
9°	57876.2	56180.9	58001.6	58357.6	59618.9	61860.0	61578.6	63050.1	63735.0	63690.9
10°	44124.2	43263.0	44175.1	44568.4	45605.9	47504.6	47833.5	48508.2	49016.7	49349.0
12.5°	23943.9	24143.9	24672.8	25086.5	26483.3	26988.5	27192.0	27249.6	27246.2	27300.5
15°	14874.2	15037.0	15406.5	16155.8	17006.8	17634.1	17722.2	17396.8	17115.3	17071.3
17.5°	9276.5	9212.0	10080.0	10900.5	11924.5	12249.9	11910.9	11537.9	11154.8	10934.4
20°	5567.2	5611.3	5906.3	6272.5	7099.7	7662.6	7310.0	6930.2	6533.5	6272.5
22.5°	3163.4	3210.8	3339.7	3529.5	3844.8	4356.8	4133.0	3749.9	3468.5	3353.2
25°	1868.2	1868.2	1946.2	2030.9	2163.2	2281.8	2234.4	2030.9	1864.8	1817.3
27.5°	1210.4	1200.2	1227.4	1268.1	1329.1	1335.9	1281.6	1220.6	1135.8	1105.3
30°	884.9	888.3	884.9	901.9	898.5	874.8	840.8	844.2	810.3	806.9
32.5°	718.8	722.2	722.2	718.8	701.8	664.5	640.8	664.5	657.8	651.0
35°	596.7	600.1	634.0	630.6	603.5	562.8	545.9	573.0	593.3	562.8
37.5°	515.4	518.7	545.9	559.4	525.5	498.4	478.1	501.8	532.3	498.4
40°	454.3	457.7	464.5	467.9	450.9	437.4	427.2	434.0	447.5	430.6
42.5°	400.1	396.7	400.1	396.7	376.3	383.1	376.3	366.2	376.3	362.8
45°	349.2	349.2	349.2	339.1	318.7	332.3	325.5	315.3	318.7	308.5
47.5°	318.7	318.7	318.7	305.1	288.2	288.2	291.6	274.6	278.0	274.6
50°	288.2	288.2	295.0	281.4	267.9	257.7	261.1	247.5	250.9	247.5
52.5°	264.5	264.5	264.5	257.7	247.5	240.7	233.9	227.2	223.8	220.4
55°	254.3	254.3	250.9	230.6	227.2	220.4	206.8	203.4	196.7	193.3
57.5°	237.3	237.3	233.9	217.0	203.4	203.4	183.1	179.7	169.5	169.5
60°	210.2	210.2	206.8	203.4	186.5	176.3	162.7	156.0	145.8	142.4
62.5°	200.0	200.0	193.3	176.3	172.9	156.0	142.4	128.8	122.1	115.3
65°	186.5	183.1	179.7	162.7	149.2	139.0	122.1	105.1	98.3	84.8
67.5°	166.1	166.1	162.7	149.2	135.6	118.7	101.7	88.2	71.2	61.0
70°	145.8	142.4	142.4	128.8	118.7	105.1	81.4	67.8	50.9	40.7
72.5°	122.1	122.1	118.7	108.5	101.7	91.5	71.2	54.2	33.9	27.1
75°	98.3	98.3	94.9	88.2	84.8	74.6	61.0	47.5	27.1	13.6
77.5°	81.4	78.0	78.0	71.2	67.8	61.0	50.9	37.3	20.3	10.2
80°	61.0	61.0	64.4	61.0	54.2	50.9	44.1	33.9	17.0	6.8
82.5°	44.1	44.1	47.5	47.5	47.5	44.1	44.1	33.9	17.0	3.4
85°	30.5	30.5	37.3	33.9	33.9	37.3	54.2	44.1	13.6	3.4
87.5°	17.0	17.0	17.0	13.6	13.6	17.0	20.3	17.0	6.8	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
270939.8  
266223.6  
253231.1  
230802.8  
201444.3  
168088.4  
135237.7  
105706.2  
81460.6  
64728.4  
49545.7  
27344.5  
16935.6  
10900.5  
6330.1  
3366.8  
1810.5  
1105.3  
803.6  
637.4  
556.0  
495.0  
423.8  
362.8  
308.5  
274.6  
247.5  
220.4  
189.9  
169.5  
135.6  
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61.0  
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