

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: P636316

Luminaire Tested: **IFLD-S-SA6E-930-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636316
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-930-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31659.7 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

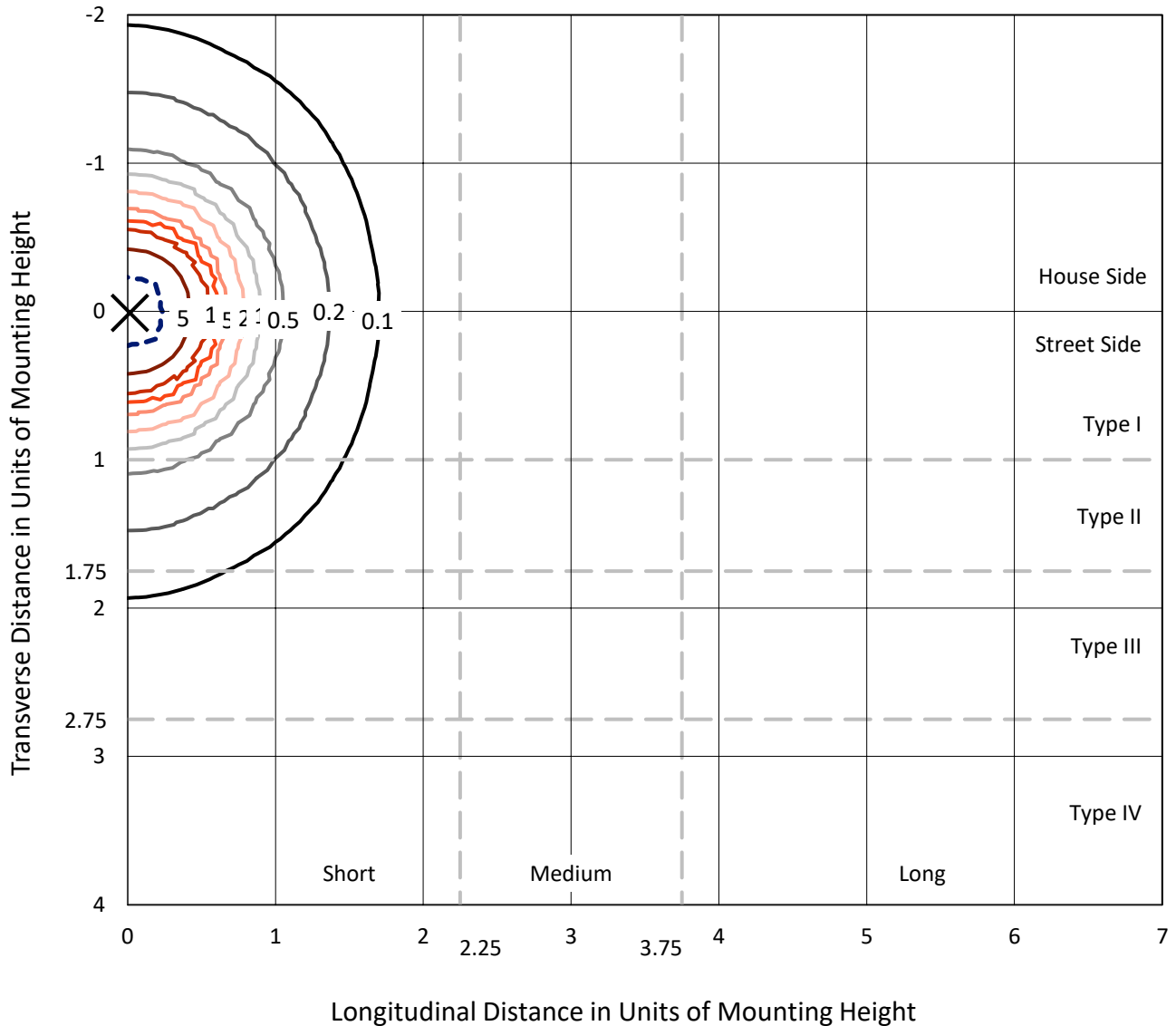
Input Watts (W): 464.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

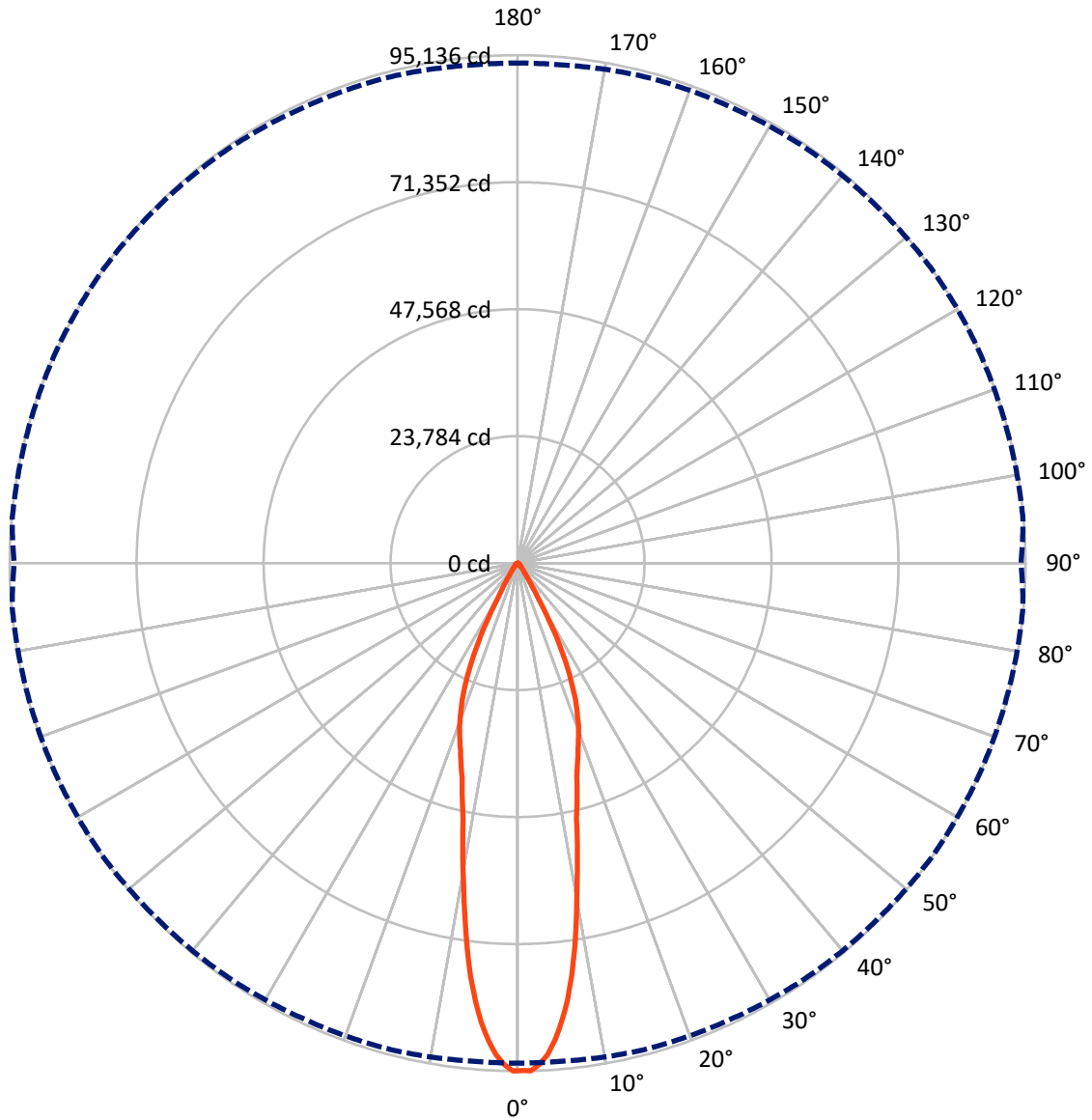
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 237.6 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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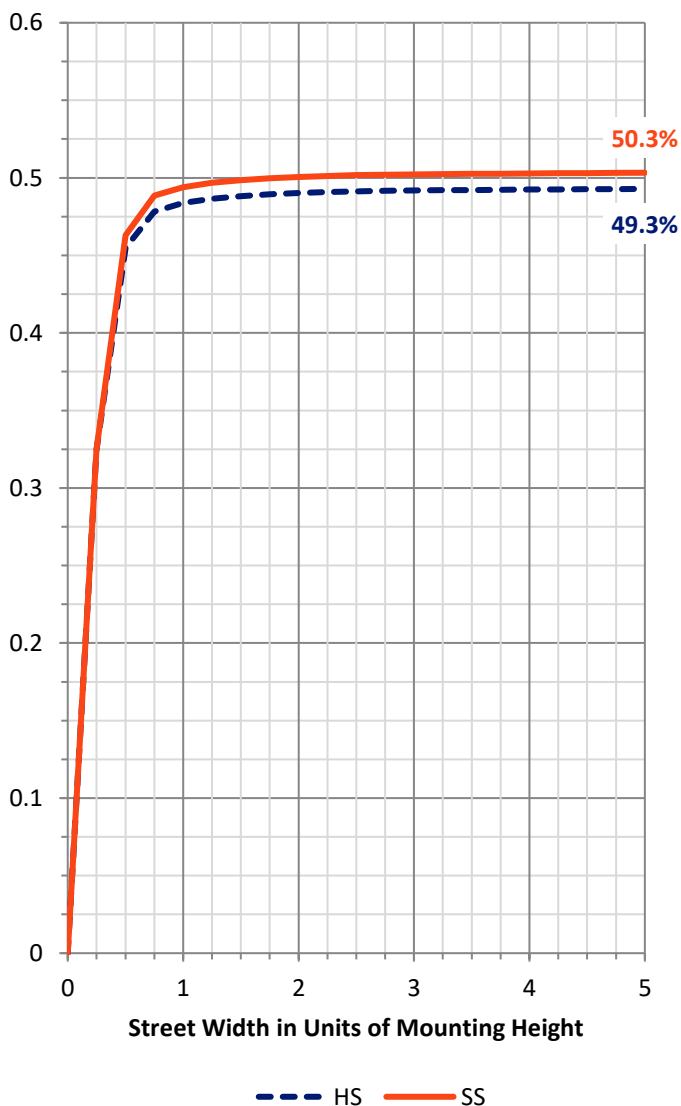
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15829.9	0.0	15829.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15829.9	0.0	15829.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	31659.7	0.0	31659.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7230.2	22.8
10°-20°	11808.8	37.3
20°-30°	9227.8	29.1
30°-40°	2011.4	6.4
40°-50°	595.5	1.9
50°-60°	372.5	1.2
60°-70°	260.5	0.8
70°-80°	111.8	0.4
80°-90°	41.3	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°	31659.7	100.0
0°-180°	31659.7	100.0



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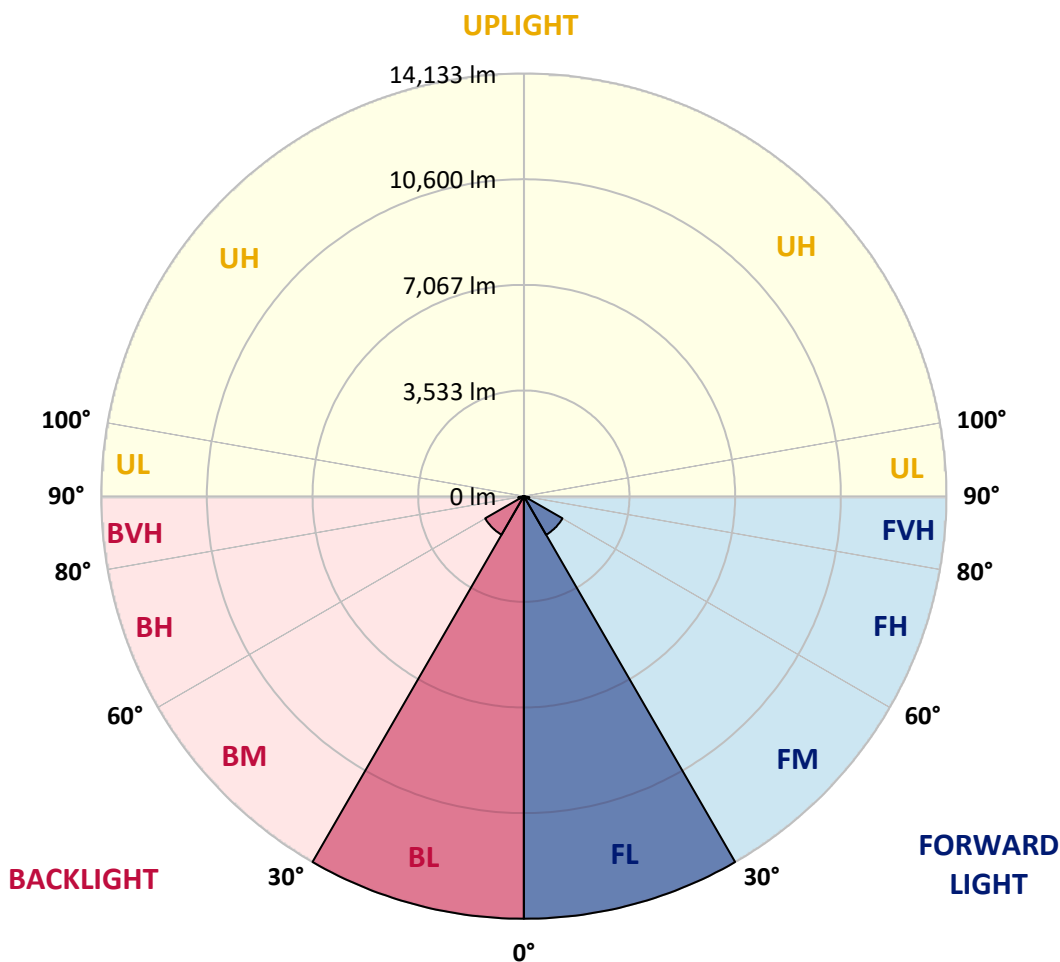
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14133.4	44.6			
FM (30°-60°)	1489.7	4.7			
FH (60°-80°)	186.1	0.6			G0/660
FVH (80°-90°)	20.6	0.1			G1/100
BL (0°-30°)	14133.4	44.6	B5		
BM (30°-60°)	1489.7	4.7	B2/2500		
BH (60°-80°)	186.1	0.6	B1/500		G0/660
BVH (80°-90°)	20.6	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°	95026.9	95026.9	95026.9	95026.9	95026.9	95026.9	95026.9	95026.9	95026.9	95026.9
1°	93651.4	93662.8	94172.9	94287.6	94637.2	94814.9	95135.8	95101.4	95004.0	95015.5
2°	91926.2	91851.7	92327.4	92854.7	93273.1	93617.0	94001.0	94081.2	93989.5	94075.5
3°	89089.2	88980.3	89645.1	90304.2	91032.1	91622.5	92201.3	92224.3	92115.4	92109.6
4°	85358.0	85157.4	85948.4	87123.3	88040.3	88825.5	89547.7	89536.2	89387.2	89507.6
5°	80847.4	80595.2	81621.1	83168.6	84527.0	85472.6	86269.3	86080.2	85736.3	85753.5
6°	75310.8	75557.3	76812.5	78984.7	80589.5	81374.7	82354.8	81999.4	81403.3	81340.3
7°	70106.7	70662.7	71665.7	74284.9	76193.5	77018.8	77849.9	77133.4	76325.3	76193.5
8°	64627.5	65556.0	66943.0	69355.9	71390.6	72221.6	72536.8	71768.8	70903.4	70869.0
9°	60185.6	60821.8	62014.0	64140.3	66209.3	66765.3	66834.1	66163.5	65298.1	65355.4
10°	56145.0	56265.3	57297.0	59125.3	60781.7	61177.2	61160.0	60672.8	59962.1	60151.2
12.5°	47100.8	47427.5	47725.5	48310.1	48866.1	49124.0	49026.6	48826.0	48436.2	48453.4
15°	40962.4	40956.7	40991.1	41260.5	41426.7	41455.4	41455.4	41203.2	41037.0	41283.4
17.5°	35546.3	35844.3	36377.3	36595.1	36812.9	36732.7	36583.6	36469.0	36360.1	36572.2
20°	31333.7	31465.5	31471.2	31614.5	32714.9	32772.3	32583.1	32256.4	31981.3	31929.7
22.5°	26593.8	26794.4	26880.4	27006.4	27121.1	27957.9	27734.3	27207.0	26880.4	26782.9
25°	19962.5	19893.8	20455.4	21487.1	21653.3	21756.5	21699.2	21424.0	21212.0	21252.1
27.5°	13795.5	13915.9	13893.0	13904.4	14999.1	14993.4	14976.2	14735.5	14672.4	14580.7
30°	7714.5	7657.2	7685.8	7611.3	7456.6	7645.7	7341.9	7599.9	7347.7	7427.9
32.5°	4562.2	4522.1	4482.0	4499.2	4384.5	4103.7	3983.3	4161.0	4103.7	4080.8
35°	2911.6	2928.8	2980.3	2974.6	2871.4	2711.0	2539.0	2699.5	2676.6	2607.8
37.5°	1857.0	1857.0	1874.2	2023.2	1937.2	1799.7	1679.3	1748.1	1742.4	1730.9
40°	1318.2	1318.2	1341.2	1381.3	1335.4	1266.6	1197.9	1197.9	1209.3	1174.9
42.5°	980.1	980.1	1003.0	1025.9	968.6	945.7	911.3	888.4	917.0	888.4
45°	768.0	762.3	768.0	756.5	722.2	722.2	693.5	659.1	693.5	676.3
47.5°	630.5	624.7	619.0	596.1	561.7	567.4	555.9	527.3	544.5	538.8
50°	550.2	538.8	544.5	521.6	492.9	487.2	487.2	458.5	464.2	464.2
52.5°	481.4	481.4	475.7	464.2	452.8	429.9	435.6	406.9	406.9	406.9
55°	452.8	452.8	441.3	418.4	424.1	406.9	389.7	372.5	366.8	366.8
57.5°	447.1	447.1	441.3	418.4	401.2	395.5	372.5	349.6	332.4	338.2
60°	435.6	435.6	424.1	418.4	389.7	378.3	343.9	326.7	303.8	303.8
62.5°	418.4	412.7	389.7	355.3	355.3	326.7	303.8	269.4	252.2	246.5
65°	355.3	349.6	332.4	303.8	286.6	269.4	235.0	200.6	189.1	171.9
67.5°	292.3	292.3	280.8	252.2	240.7	217.8	177.7	154.7	126.1	114.6
70°	240.7	240.7	229.3	212.1	200.6	171.9	137.6	114.6	86.0	74.5
72.5°	194.9	194.9	183.4	171.9	160.5	143.3	114.6	86.0	57.3	45.9
75°	154.7	154.7	149.0	137.6	126.1	114.6	91.7	68.8	40.1	22.9
77.5°	126.1	126.1	120.4	114.6	103.2	91.7	74.5	57.3	28.7	11.5
80°	97.4	97.4	97.4	97.4	86.0	74.5	63.0	45.9	22.9	5.7
82.5°	68.8	68.8	74.5	86.0	68.8	57.3	57.3	45.9	17.2	5.7
85°	45.9	51.6	57.3	51.6	45.9	45.9	80.2	74.5	17.2	5.7
87.5°	22.9	22.9	22.9	22.9	22.9	17.2	22.9	17.2	11.5	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°
95026.9
94310.5
93399.2
91611.0
88940.2
84916.7
80503.5
75568.8
69613.8
64501.4
59486.4
47886.0
40710.3
36085.0
31597.3
26433.3
21114.5
14248.3
7525.4
4023.5
2533.3
1708.0
1163.5
882.6
676.3
538.8
470.0
406.9
361.1
338.2
286.6
235.0
166.2
108.9
68.8
40.1
17.2
11.5
5.7
5.7
5.7
0.0
0.0

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