

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: P636384

Luminaire Tested: **IFLD-L-SA7E-940-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636384
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-940-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38136.2 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

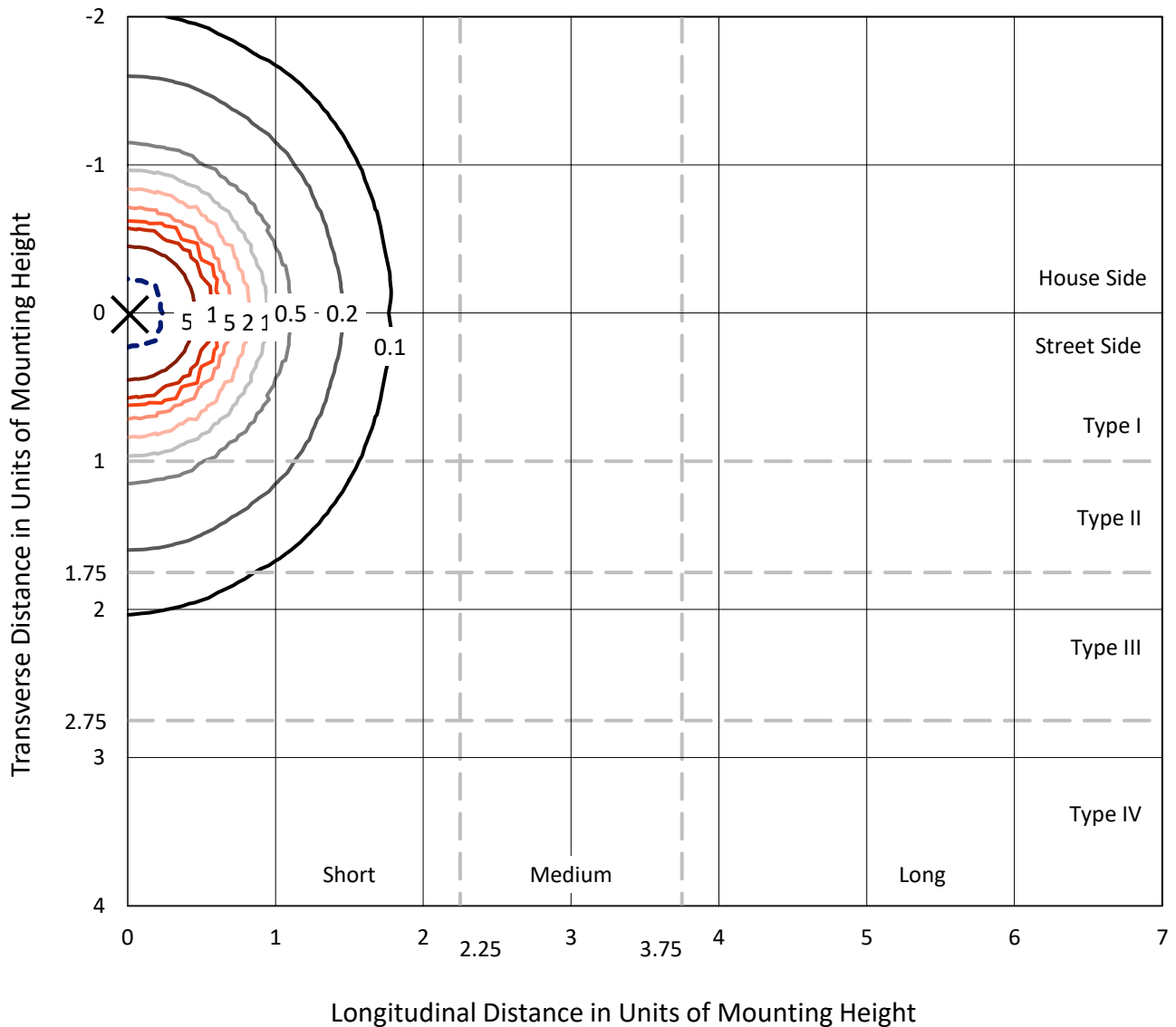
Input Watts (W): 532.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636384
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Iso-Footcandle Lines of Horizontal Illumination

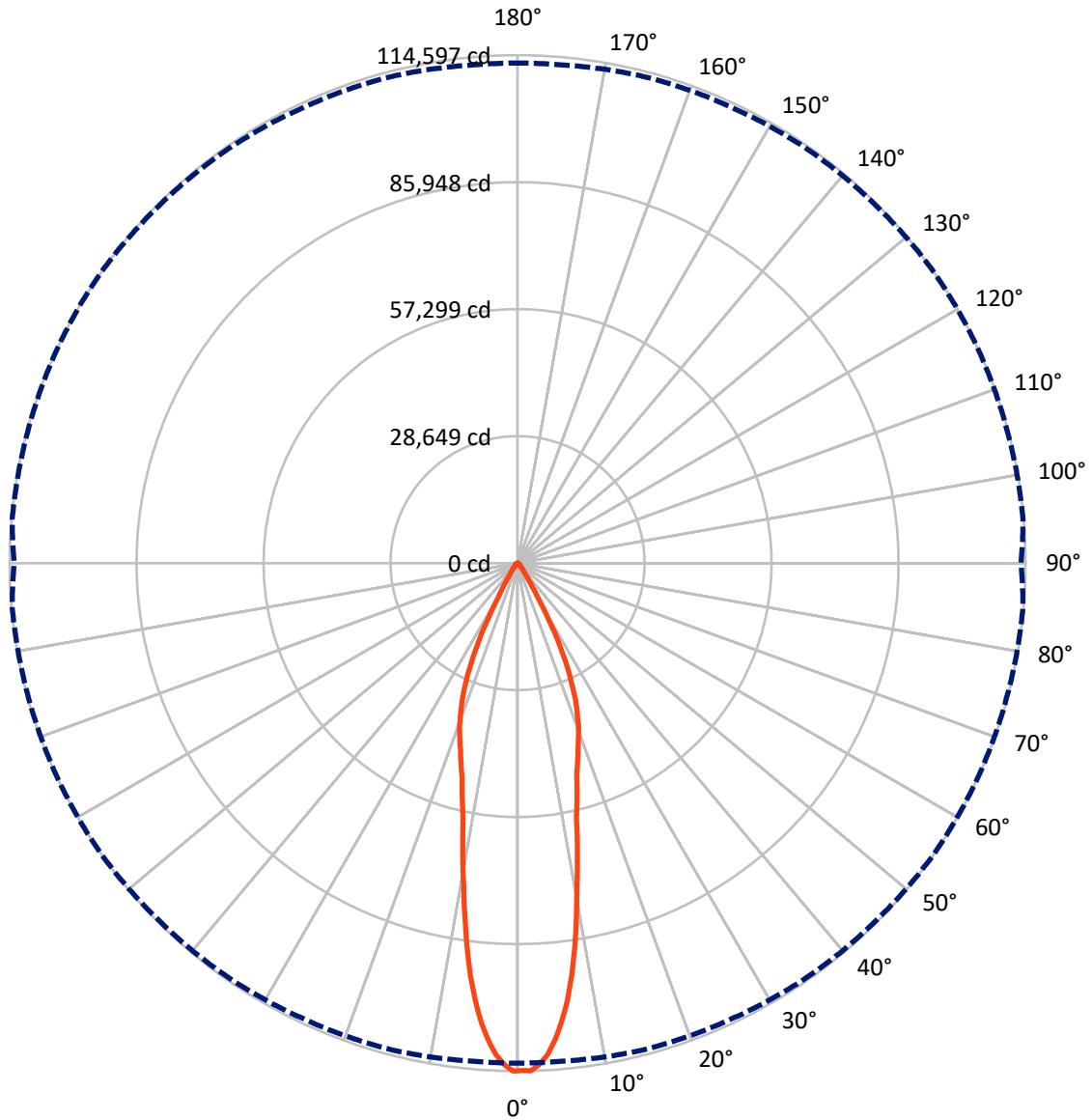
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 286.2 fc
 Type V - Short - N/A

REPORT NUMBER: P636384
CATALOG NUMBER: IFLD-L-SA7E-940-U-44-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

REPORT NUMBER: P636384

CATALOG NUMBER: IFLD-L-SA7E-940-U-44-VI

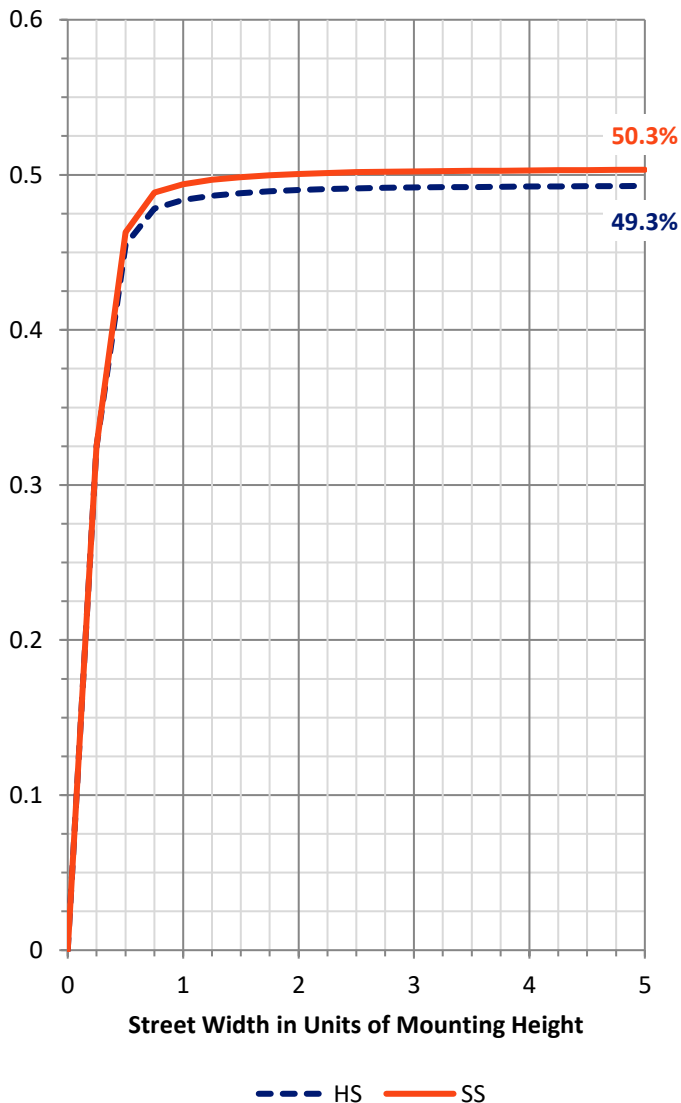
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19068.1	0.0	19068.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19068.1	0.0	19068.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	38136.2	0.0	38136.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8709.2	22.8
10°-20°	14224.5	37.3
20°-30°	11115.5	29.1
30°-40°	2422.9	6.4
40°-50°	717.4	1.9
50°-60°	448.7	1.2
60°-70°	313.8	0.8
70°-80°	134.6	0.4
80°-90°	49.7	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°	38136.2	100.0
0°-180°	38136.2	100.0



REPORT NUMBER: P636384

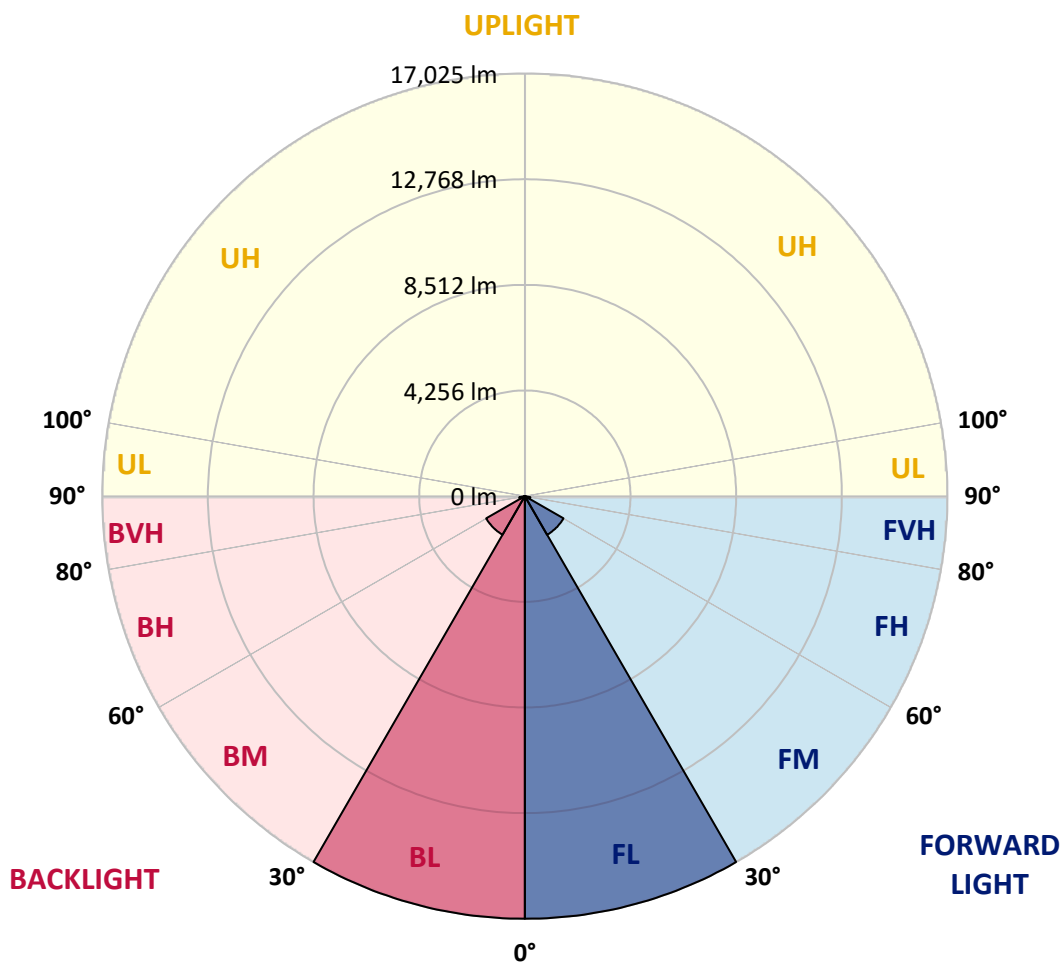
CATALOG NUMBER: IFLD-L-SA7E-940-U-44-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	17024.6	44.6			
FM (30°-60°)	1794.4	4.7			
FH (60°-80°)	224.2	0.6			G0/660
FVH (80°-90°)	24.9	0.1			G1/100
BL (0°-30°)	17024.6	44.6	B5		
BM (30°-60°)	1794.4	4.7	B2/2500		
BH (60°-80°)	224.2	0.6	B1/500		G0/660
BVH (80°-90°)	24.9	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°	114466.3	114466.3	114466.3	114466.3	114466.3	114466.3	114466.3	114466.3	114466.3	114466.3
1°	112809.3	112823.1	113437.6	113575.7	113996.8	114210.8	114597.4	114556.0	114438.6	114452.5
2°	110731.3	110641.5	111214.5	111849.7	112353.7	112767.9	113230.5	113327.1	113216.7	113320.2
3°	107313.8	107182.7	107983.5	108777.5	109654.3	110365.4	111062.6	1111090.3	110959.1	110952.2
4°	102819.4	102577.8	103530.5	104945.8	106050.4	106996.3	107866.2	107852.3	107672.8	107817.8
5°	97386.1	97082.3	98318.1	100182.1	101818.4	102957.5	103917.1	103689.3	103275.1	103295.8
6°	90716.9	91013.8	92525.7	95142.3	97075.4	98021.2	99201.8	98773.7	98055.7	97979.8
7°	84448.2	85117.9	86326.1	89481.1	91780.1	92774.3	93775.3	92912.4	91938.9	91780.1
8°	77848.1	78966.5	80637.3	83543.8	85994.7	86995.7	87375.5	86450.3	85407.8	85366.4
9°	72497.6	73263.9	74699.9	77261.3	79753.6	80423.2	80506.1	79698.3	78655.9	78724.9
10°	67630.4	67775.3	69018.0	71220.4	73215.6	73692.0	73671.3	73084.4	72228.3	72456.2
12.5°	56736.1	57129.6	57488.6	58192.8	58862.4	59173.1	59055.8	58814.1	58344.7	58365.4
15°	49342.0	49335.1	49376.5	49701.0	49901.2	49935.7	49935.7	49632.0	49431.8	49728.6
17.5°	42817.8	43176.8	43818.9	44081.2	44343.6	44246.9	44067.4	43929.4	43798.2	44053.6
20°	37743.5	37902.3	37909.2	38081.8	39407.3	39476.4	39248.5	38855.0	38523.6	38461.5
22.5°	32034.0	32275.6	32379.2	32531.1	32669.1	33677.1	33407.9	32772.7	32379.2	32261.8
25°	24046.2	23963.4	24639.9	25882.6	26082.8	26207.1	26138.1	25806.7	25551.2	25599.6
27.5°	16617.6	16762.6	16735.0	16748.8	18067.4	18060.5	18039.8	17749.9	17673.9	17563.5
30°	9292.6	9223.6	9258.1	9168.3	8981.9	9209.8	8843.9	9154.5	8850.8	8947.4
32.5°	5495.5	5447.2	5398.8	5419.5	5281.5	4943.2	4798.2	5012.2	4943.2	4915.6
35°	3507.2	3527.9	3590.0	3583.1	3458.8	3265.5	3058.4	3251.7	3224.1	3141.3
37.5°	2236.9	2236.9	2257.6	2437.1	2333.5	2167.8	2022.8	2105.7	2098.8	2085.0
40°	1587.9	1587.9	1615.5	1663.8	1608.6	1525.8	1442.9	1442.9	1456.7	1415.3
42.5°	1180.6	1180.6	1208.2	1235.8	1166.8	1139.1	1097.7	1070.1	1104.6	1070.1
45°	925.1	918.2	925.1	911.3	869.9	869.9	835.4	793.9	835.4	814.7
47.5°	759.4	752.5	745.6	718.0	676.6	683.5	669.7	635.2	655.9	649.0
50°	662.8	649.0	655.9	628.3	593.7	586.8	586.8	552.3	559.2	559.2
52.5°	579.9	579.9	573.0	559.2	545.4	517.8	524.7	490.2	490.2	490.2
55°	545.4	545.4	531.6	504.0	510.9	490.2	469.5	448.8	441.8	441.8
57.5°	538.5	538.5	531.6	504.0	483.3	476.4	448.8	421.1	400.4	407.3
60°	524.7	524.7	510.9	504.0	469.5	455.7	414.2	393.5	365.9	365.9
62.5°	504.0	497.1	469.5	428.0	428.0	393.5	365.9	324.5	303.8	296.9
65°	428.0	421.1	400.4	365.9	345.2	324.5	283.1	241.6	227.8	207.1
67.5°	352.1	352.1	338.3	303.8	290.0	262.3	214.0	186.4	151.9	138.1
70°	290.0	290.0	276.2	255.4	241.6	207.1	165.7	138.1	103.6	89.8
72.5°	234.7	234.7	220.9	207.1	193.3	172.6	138.1	103.6	69.0	55.2
75°	186.4	186.4	179.5	165.7	151.9	138.1	110.5	82.8	48.3	27.6
77.5°	151.9	151.9	145.0	138.1	124.3	110.5	89.8	69.0	34.5	13.8
80°	117.4	117.4	117.4	117.4	103.6	89.8	75.9	55.2	27.6	6.9
82.5°	82.8	82.8	89.8	103.6	82.8	69.0	69.0	55.2	20.7	6.9
85°	55.2	62.1	69.0	62.1	55.2	55.2	96.7	89.8	20.7	6.9
87.5°	27.6	27.6	27.6	27.6	27.6	20.7	27.6	20.7	13.8	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°
114466.3
113603.3
112505.6
110351.5
107134.3
102287.8
96971.8
91027.6
83854.5
77696.2
71655.3
57681.9
49038.2
43466.8
38061.1
31840.7
25433.9
17163.0
9064.8
4846.5
3051.5
2057.4
1401.5
1063.2
814.7
649.0
566.1
490.2
434.9
407.3
345.2
283.1
200.2
131.2
82.8
48.3
20.7
13.8
6.9
6.9
6.9
0.0
0.0

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