

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: P636347

Luminaire Tested: **IFLD-M-SA4B-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636347
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (64) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14178.1 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

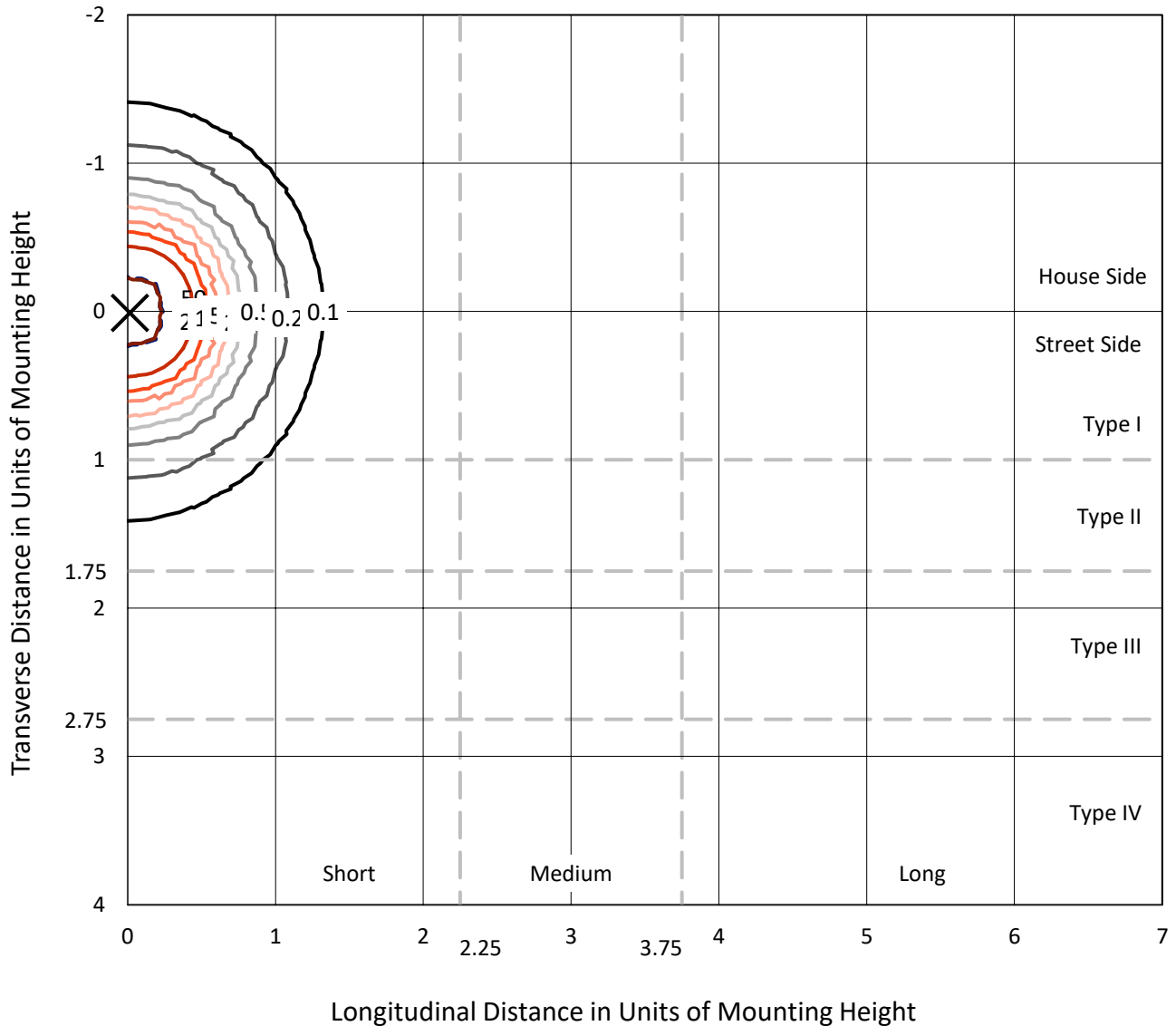
Input Watts (W): 166.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

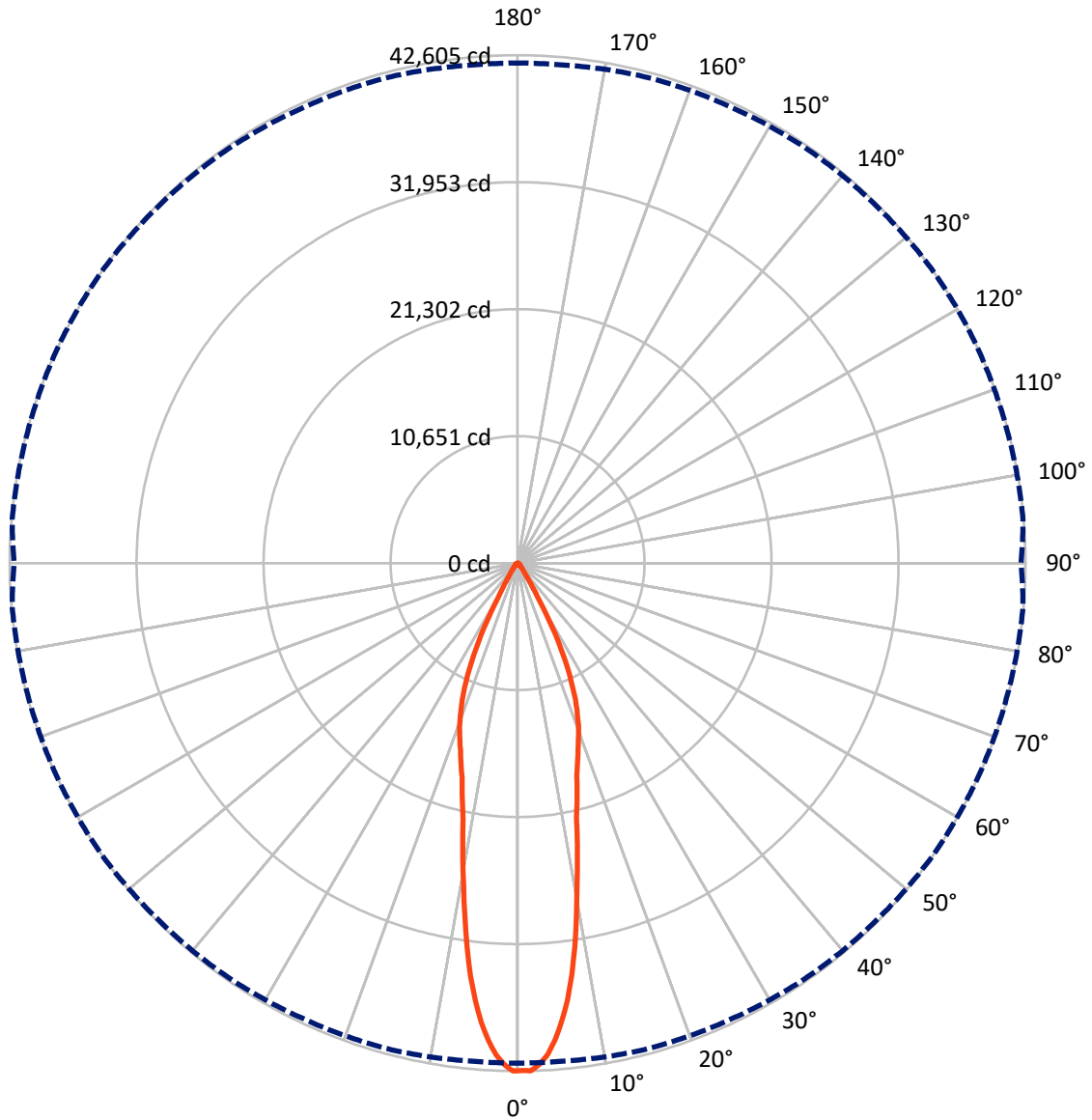
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 106.4 fc
 Type V - Short - N/A

REPORT NUMBER: P636347
CATALOG NUMBER: IFLD-M-SA4B-935-U-44-VI

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: IFLD-M-SA4B-935-U-44-VI

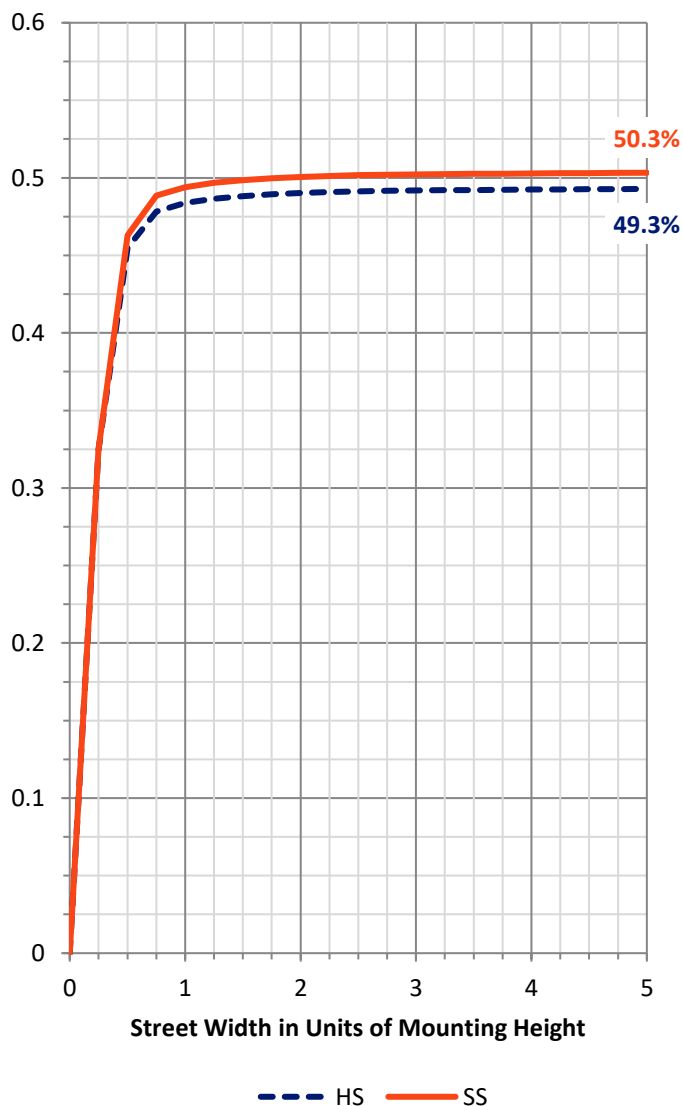
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7089.1	0.0	7089.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7089.1	0.0	7089.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	14178.1	0.0	14178.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3237.9	22.8
10°-20°	5288.3	37.3
20°-30°	4132.5	29.1
30°-40°	900.8	6.4
40°-50°	266.7	1.9
50°-60°	166.8	1.2
60°-70°	116.6	0.8
70°-80°	50.1	0.4
80°-90°	18.5	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°	14178.1	100.0
0°-180°	14178.1	100.0

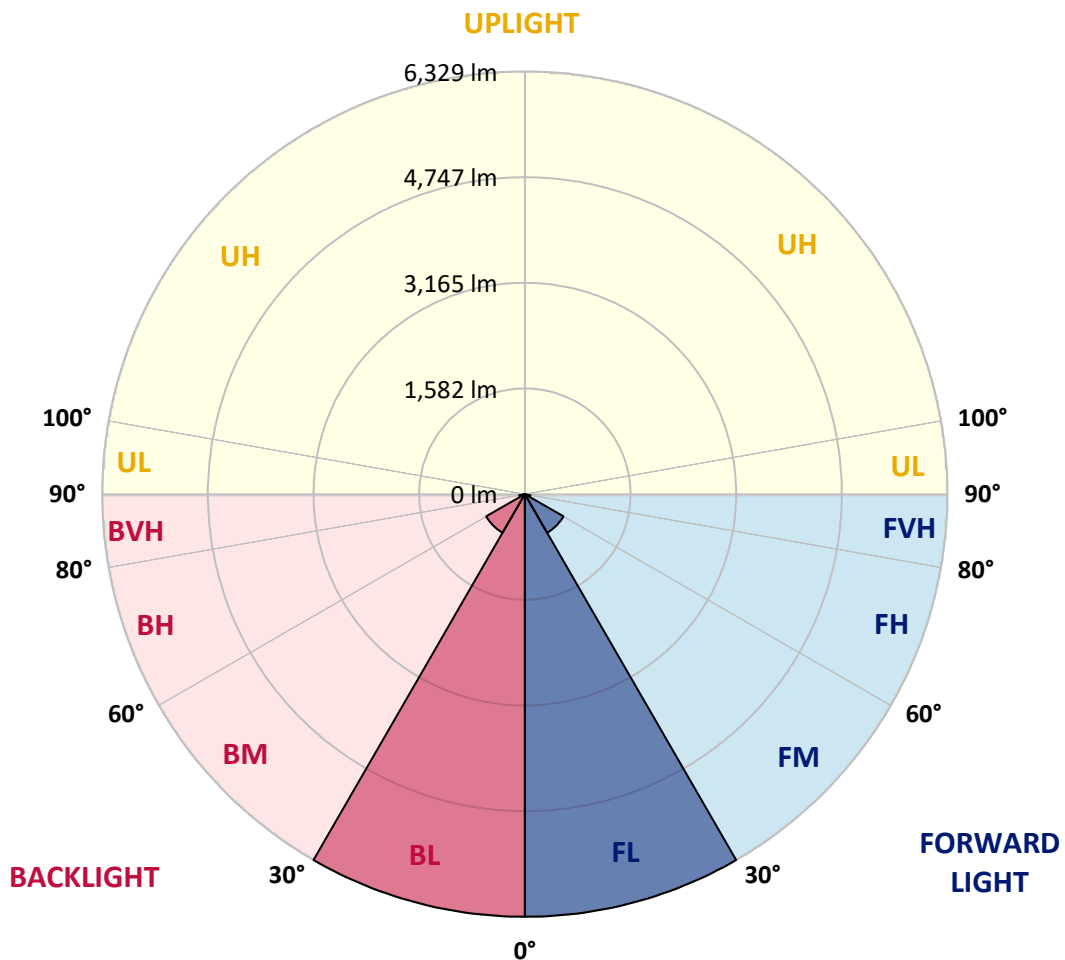


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6329.3	44.6			
FM (30°-60°)	667.1	4.7			
FH (60°-80°)	83.4	0.6			G0/660
FVH (80°-90°)	9.3	0.1			G0/10
BL (0°-30°)	6329.3	44.6	B5		
BM (30°-60°)	667.1	4.7	B1/1000		
BH (60°-80°)	83.4	0.6	B0/110		G0/660
BVH (80°-90°)	9.3	0.1			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°	42555.7	42555.7	42555.7	42555.7	42555.7	42555.7	42555.7	42555.7	42555.7	42555.7
1°	41939.7	41944.9	42173.3	42224.6	42381.2	42460.8	42604.5	42589.1	42545.5	42550.6
2°	41167.2	41133.8	41346.8	41583.0	41770.3	41924.3	42096.3	42132.2	42091.2	42129.7
3°	39896.6	39847.9	40145.6	40440.8	40766.8	41031.1	41290.4	41300.6	41251.9	41249.3
4°	38225.7	38135.9	38490.1	39016.3	39426.9	39778.6	40102.0	40096.8	40030.1	40084.0
5°	36205.7	36092.8	36552.2	37245.3	37853.6	38277.1	38633.8	38549.1	38395.1	38402.8
6°	33726.3	33836.7	34398.8	35371.6	36090.2	36441.9	36880.8	36721.7	36454.7	36426.5
7°	31395.8	31644.7	32093.9	33266.9	34121.6	34491.2	34863.4	34542.5	34180.6	34121.6
8°	28942.0	29357.8	29979.0	31059.5	31970.7	32342.9	32484.0	32140.1	31752.5	31737.1
9°	26952.8	27237.7	27771.6	28723.8	29650.4	29899.4	29930.2	29629.9	29242.3	29268.0
10°	25143.3	25197.2	25659.2	26478.0	27219.8	27396.9	27389.2	27171.0	26852.7	26937.4
12.5°	21093.1	21239.4	21372.8	21634.6	21883.6	21999.1	21955.5	21865.6	21691.1	21698.8
15°	18344.1	18341.6	18357.0	18477.6	18552.0	18564.9	18564.9	18451.9	18377.5	18487.9
17.5°	15918.6	16052.1	16290.8	16388.3	16485.9	16449.9	16383.2	16331.9	16283.1	16378.1
20°	14032.1	14091.1	14093.7	14157.9	14650.7	14676.3	14591.6	14445.3	14322.1	14299.0
22.5°	11909.4	11999.3	12037.8	12094.2	12145.6	12520.3	12420.2	12184.1	12037.8	11994.1
25°	8939.8	8909.0	9160.5	9622.5	9697.0	9743.2	9717.5	9594.3	9499.3	9517.3
27.5°	6178.0	6231.9	6221.7	6226.8	6717.0	6714.5	6706.8	6599.0	6570.7	6529.7
30°	3454.8	3429.1	3441.9	3408.6	3339.3	3424.0	3287.9	3403.4	3290.5	3326.4
32.5°	2043.1	2025.1	2007.2	2014.9	1963.5	1837.8	1783.9	1863.4	1837.8	1827.5
35°	1303.9	1311.6	1334.7	1332.1	1285.9	1214.0	1137.0	1208.9	1198.6	1167.8
37.5°	831.6	831.6	839.3	906.0	867.5	805.9	752.0	782.8	780.3	775.1
40°	590.3	590.3	600.6	618.6	598.0	567.2	536.4	536.4	541.6	526.2
42.5°	438.9	438.9	449.2	459.4	433.8	423.5	408.1	397.8	410.7	397.8
45°	343.9	341.4	343.9	338.8	323.4	323.4	310.6	295.2	310.6	302.9
47.5°	282.3	279.8	277.2	266.9	251.5	254.1	249.0	236.1	243.8	241.3
50°	246.4	241.3	243.8	233.6	220.7	218.2	218.2	205.3	207.9	207.9
52.5°	215.6	215.6	213.0	207.9	202.8	192.5	195.1	182.2	182.2	182.2
55°	202.8	202.8	197.6	187.4	189.9	182.2	174.5	166.8	164.3	164.3
57.5°	200.2	200.2	197.6	187.4	179.7	177.1	166.8	156.6	148.9	151.4
60°	195.1	195.1	189.9	187.4	174.5	169.4	154.0	146.3	136.0	136.0
62.5°	187.4	184.8	174.5	159.1	159.1	146.3	136.0	120.6	112.9	110.4
65°	159.1	156.6	148.9	136.0	128.3	120.6	105.2	89.8	84.7	77.0
67.5°	130.9	130.9	125.8	112.9	107.8	97.5	79.6	69.3	56.5	51.3
70°	107.8	107.8	102.7	95.0	89.8	77.0	61.6	51.3	38.5	33.4
72.5°	87.3	87.3	82.1	77.0	71.9	64.2	51.3	38.5	25.7	20.5
75°	69.3	69.3	66.7	61.6	56.5	51.3	41.1	30.8	18.0	10.3
77.5°	56.5	56.5	53.9	51.3	46.2	41.1	33.4	25.7	12.8	5.1
80°	43.6	43.6	43.6	43.6	38.5	33.4	28.2	20.5	10.3	2.6
82.5°	30.8	30.8	33.4	38.5	30.8	25.7	25.7	20.5	7.7	2.6
85°	20.5	23.1	25.7	23.1	20.5	20.5	35.9	33.4	7.7	2.6
87.5°	10.3	10.3	10.3	10.3	10.3	7.7	10.3	7.7	5.1	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°
42555.7
42234.9
41826.8
41026.0
39829.9
38028.1
36051.7
33841.8
31175.0
28885.5
26639.7
21444.7
18231.2
16159.9
14150.2
11837.6
9455.7
6380.8
3370.1
1801.8
1134.5
764.9
521.0
395.3
302.9
241.3
210.5
182.2
161.7
151.4
128.3
105.2
74.4
48.8
30.8
18.0
7.7
5.1
2.6
2.6
2.6
0.0
0.0

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