

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: P636388

Luminaire Tested: **IFLD-L-SA8D-940-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636388
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-940-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37660.8 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

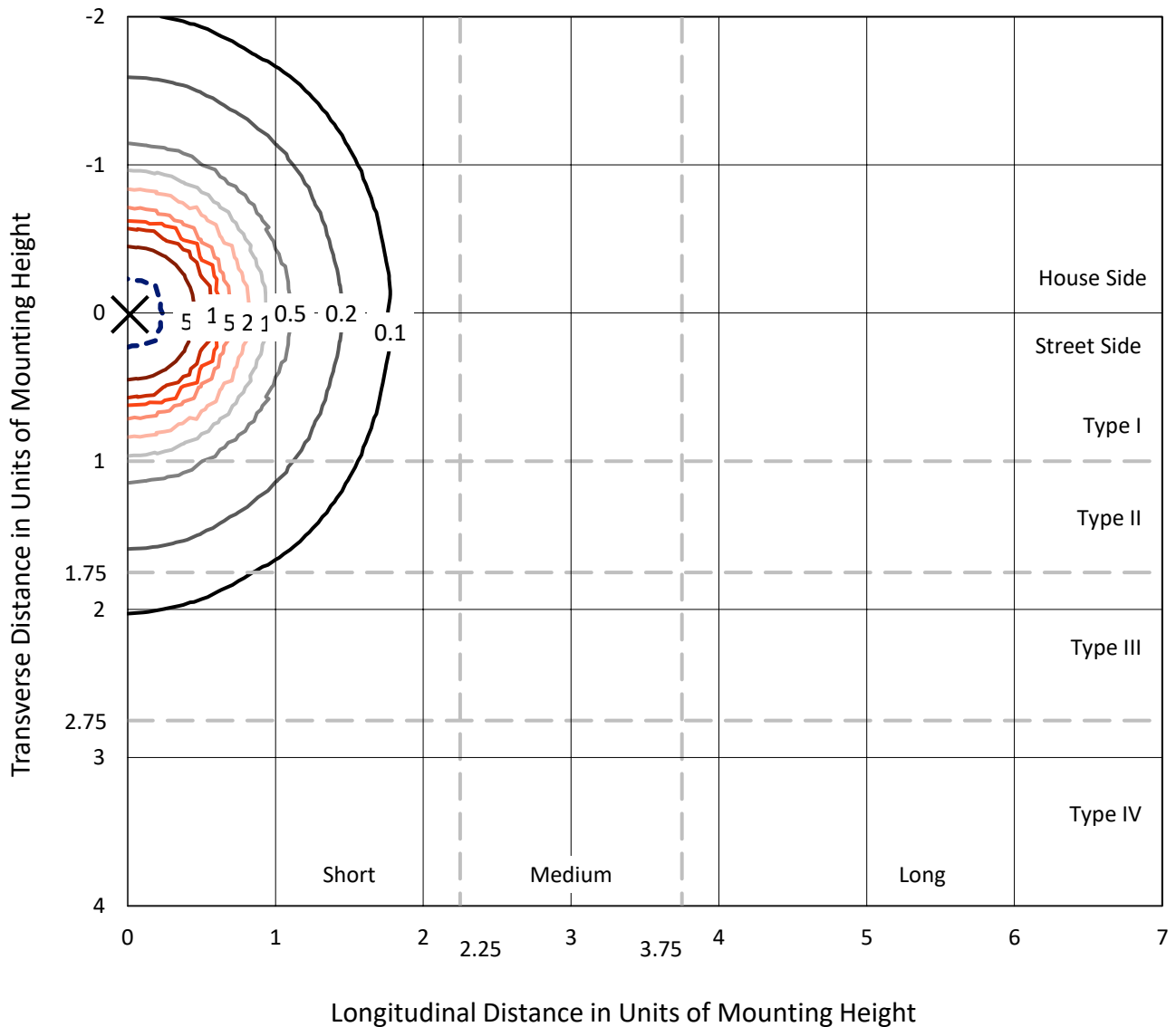
Input Watts (W): 488.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

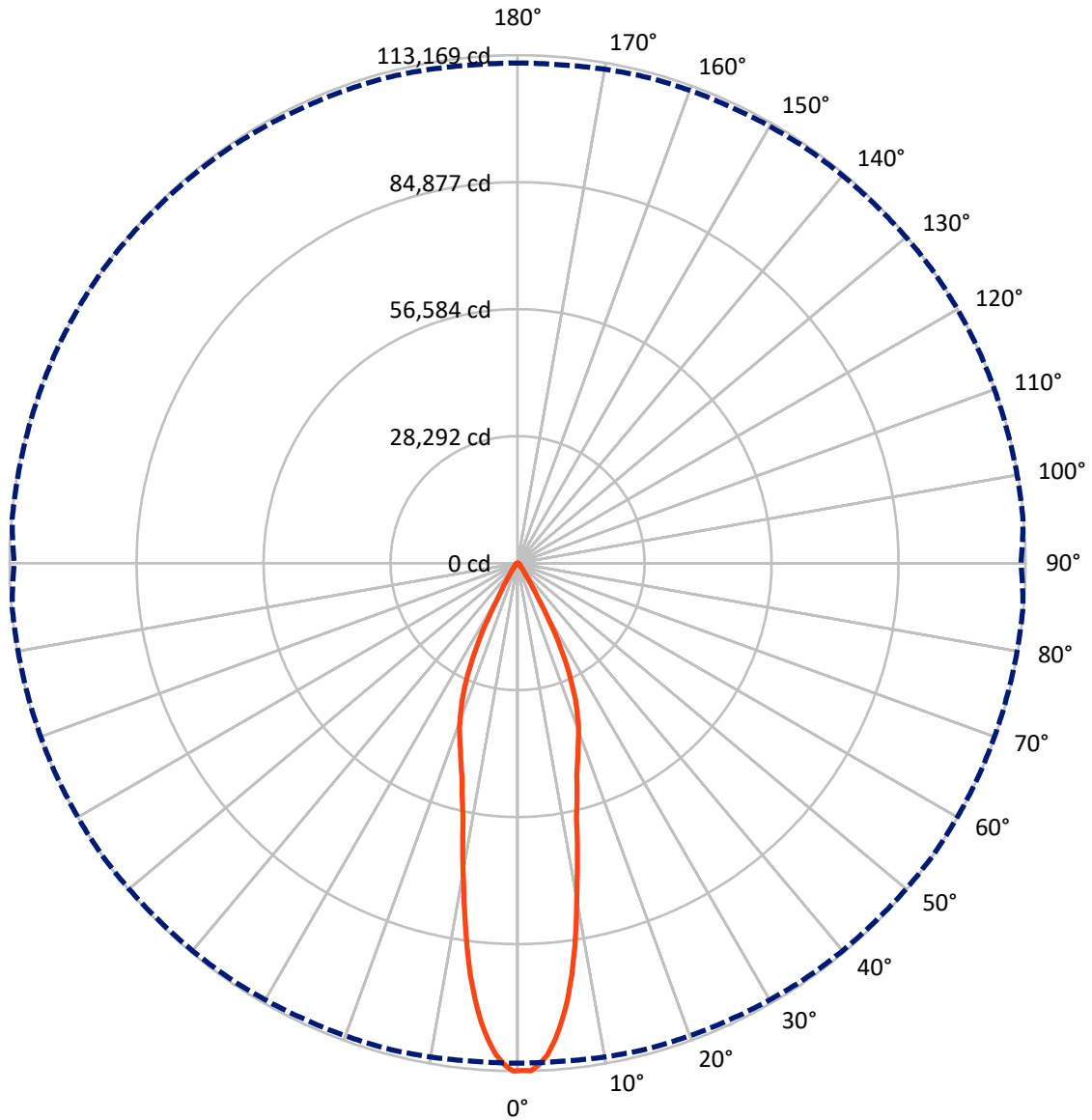
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 282.6 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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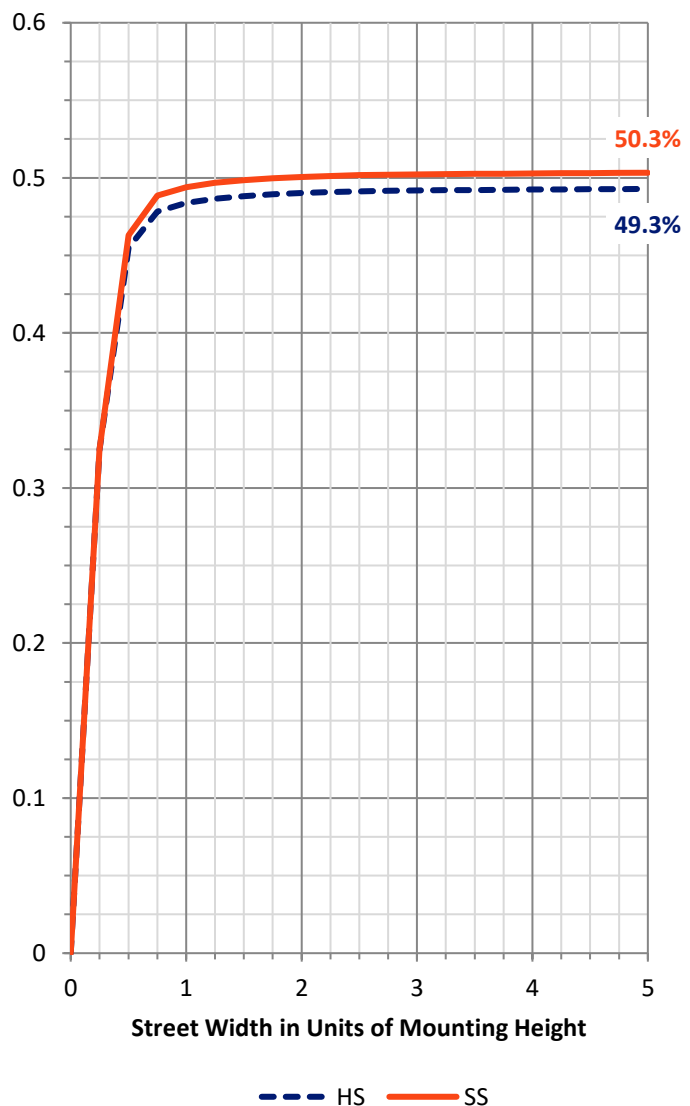
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18830.4	0.0	18830.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18830.4	0.0	18830.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	37660.8	0.0	37660.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8600.6	22.8
10°-20°	14047.2	37.3
20°-30°	10976.9	29.1
30°-40°	2392.6	6.4
40°-50°	708.4	1.9
50°-60°	443.1	1.2
60°-70°	309.9	0.8
70°-80°	133.0	0.4
80°-90°	49.1	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°	37660.8	100.0
0°-180°	37660.8	100.0



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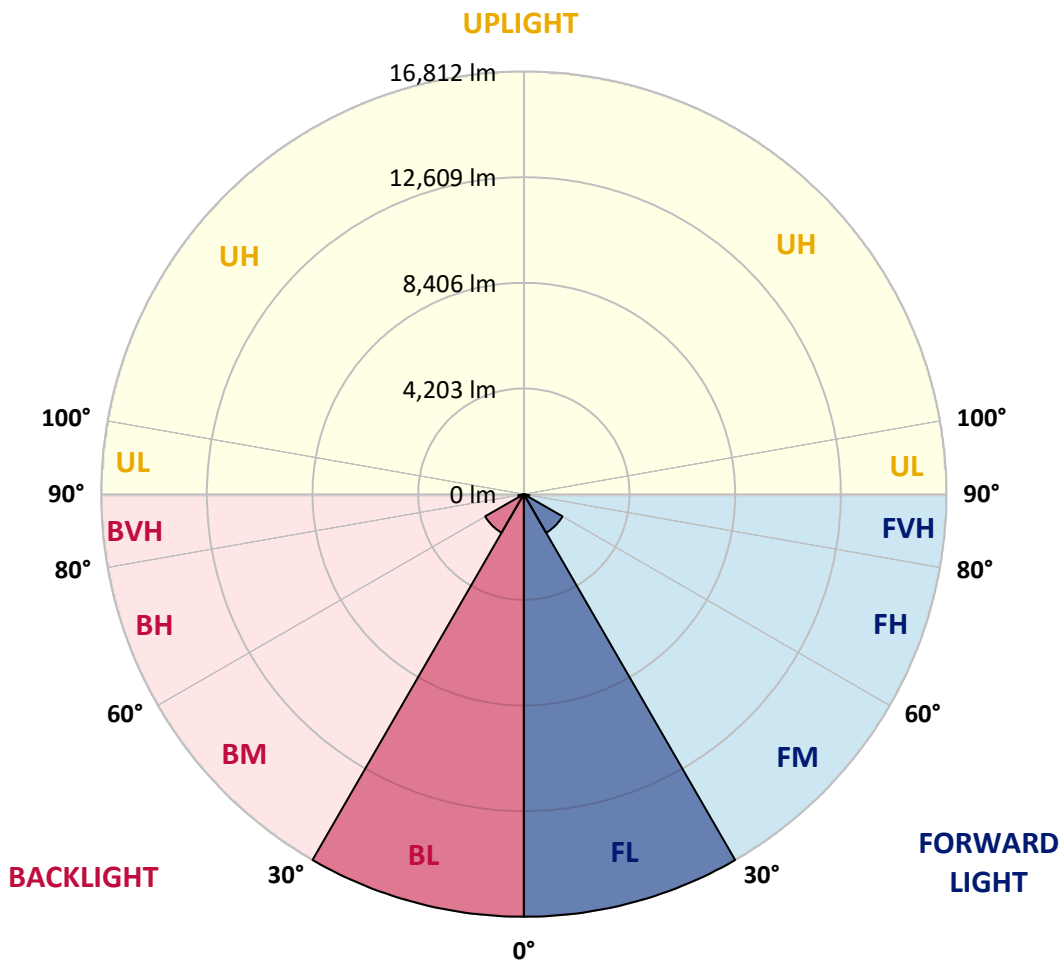
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16812.4	44.6			
FM (30°-60°)	1772.1	4.7			
FH (60°-80°)	221.4	0.6			G0/660
FVH (80°-90°)	24.6	0.1			G1/100
BL (0°-30°)	16812.4	44.6	B5		
BM (30°-60°)	1772.1	4.7	B2/2500		
BH (60°-80°)	221.4	0.6	B1/500		G0/660
BVH (80°-90°)	24.6	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°	113039.2	113039.2	113039.2	113039.2	113039.2	113039.2	113039.2	113039.2	113039.2	113039.2
1°	111402.9	111416.6	112023.3	112159.7	112575.6	112786.9	113168.7	113127.8	113011.9	113025.6
2°	109350.8	109262.1	109828.0	110455.2	110952.9	111362.0	111818.8	111914.3	111805.2	111907.4
3°	105975.9	105846.4	106637.3	107421.3	108287.2	108989.4	109678.0	109705.3	109575.7	109568.9
4°	101537.6	101298.9	102239.8	103637.4	104728.3	105662.3	106521.4	106507.7	106330.5	106473.6
5°	96171.9	95872.0	97092.3	98933.2	100549.0	101673.9	102621.6	102396.6	101987.5	102008.0
6°	89585.9	89879.1	91372.2	93956.2	95865.1	96799.2	97965.0	97542.3	96833.3	96758.3
7°	83395.4	84056.7	85249.8	88365.6	90635.9	91617.7	92606.2	91754.0	90792.7	90635.9
8°	76877.6	77982.0	79632.0	82502.2	84922.6	85911.1	86286.1	85372.5	84343.1	84302.1
9°	71593.8	72350.5	73768.6	76298.0	78759.3	79420.6	79502.4	78704.7	77675.2	77743.4
10°	66787.2	66930.4	68157.6	70332.5	72302.8	72773.2	72752.8	72173.3	71327.9	71552.9
12.5°	56028.7	56417.3	56771.9	57467.3	58128.6	58435.4	58319.5	58080.9	57617.3	57637.7
15°	48726.8	48720.0	48760.9	49081.4	49279.1	49313.2	49313.2	49013.2	48815.5	49108.6
17.5°	42284.0	42638.5	43272.6	43531.7	43790.8	43695.3	43518.0	43381.7	43252.1	43504.4
20°	37272.9	37429.7	37436.6	37607.0	38916.0	38984.2	38759.2	38370.6	38043.3	37982.0
22.5°	31634.6	31873.2	31975.5	32125.5	32261.8	33257.2	32991.4	32364.1	31975.5	31859.6
25°	23746.4	23664.6	24332.7	25559.9	25757.7	25880.4	25812.2	25485.0	25232.7	25280.4
27.5°	16410.5	16553.6	16526.4	16540.0	17842.2	17835.4	17814.9	17528.6	17453.6	17344.5
30°	9176.8	9108.6	9142.7	9054.0	8870.0	9095.0	8733.6	9040.4	8740.4	8835.9
32.5°	5427.0	5379.2	5331.5	5352.0	5215.6	4881.5	4738.4	4949.7	4881.5	4854.3
35°	3463.4	3483.9	3545.3	3538.4	3415.7	3224.8	3020.3	3211.2	3183.9	3102.1
37.5°	2209.0	2209.0	2229.4	2406.7	2304.4	2140.8	1997.6	2079.4	2072.6	2059.0
40°	1568.1	1568.1	1595.4	1643.1	1588.5	1506.7	1424.9	1424.9	1438.6	1397.6
42.5°	1165.8	1165.8	1193.1	1220.4	1152.2	1124.9	1084.0	1056.8	1090.8	1056.8
45°	913.6	906.8	913.6	900.0	859.0	859.0	825.0	784.0	825.0	804.5
47.5°	750.0	743.1	736.3	709.1	668.1	675.0	661.3	627.2	647.7	640.9
50°	654.5	640.9	647.7	620.4	586.3	579.5	579.5	545.4	552.2	552.2
52.5°	572.7	572.7	565.9	552.2	538.6	511.3	518.2	484.1	484.1	484.1
55°	538.6	538.6	525.0	497.7	504.5	484.1	463.6	443.2	436.3	436.3
57.5°	531.8	531.8	525.0	497.7	477.2	470.4	443.2	415.9	395.4	402.3
60°	518.2	518.2	504.5	497.7	463.6	450.0	409.1	388.6	361.3	361.3
62.5°	497.7	490.9	463.6	422.7	422.7	388.6	361.3	320.4	300.0	293.2
65°	422.7	415.9	395.4	361.3	340.9	320.4	279.5	238.6	225.0	204.5
67.5°	347.7	347.7	334.1	300.0	286.3	259.1	211.4	184.1	150.0	136.4
70°	286.3	286.3	272.7	252.3	238.6	204.5	163.6	136.4	102.3	88.6
72.5°	231.8	231.8	218.2	204.5	190.9	170.4	136.4	102.3	68.2	54.5
75°	184.1	184.1	177.3	163.6	150.0	136.4	109.1	81.8	47.7	27.3
77.5°	150.0	150.0	143.2	136.4	122.7	109.1	88.6	68.2	34.1	13.6
80°	115.9	115.9	115.9	115.9	102.3	88.6	75.0	54.5	27.3	6.8
82.5°	81.8	81.8	88.6	102.3	81.8	68.2	68.2	54.5	20.5	6.8
85°	54.5	61.4	68.2	61.4	54.5	54.5	95.4	88.6	20.5	6.8
87.5°	27.3	27.3	27.3	27.3	27.3	20.5	27.3	20.5	13.6	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°
113039.2
112187.0
111102.9
108975.8
105798.7
101012.6
95762.9
89892.7
82809.0
76727.6
70762.0
56962.8
48426.9
42924.9
37586.6
31443.7
25116.8
16949.1
8951.8
4786.1
3013.5
2031.7
1384.0
1049.9
804.5
640.9
559.1
484.1
429.5
402.3
340.9
279.5
197.7
129.5
81.8
47.7
20.5
13.6
6.8
6.8
6.8
0.0
0.0

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