

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: P525293

Luminaire Tested: **IFLD-S-SA6D-930-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525293  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-930-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (96) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

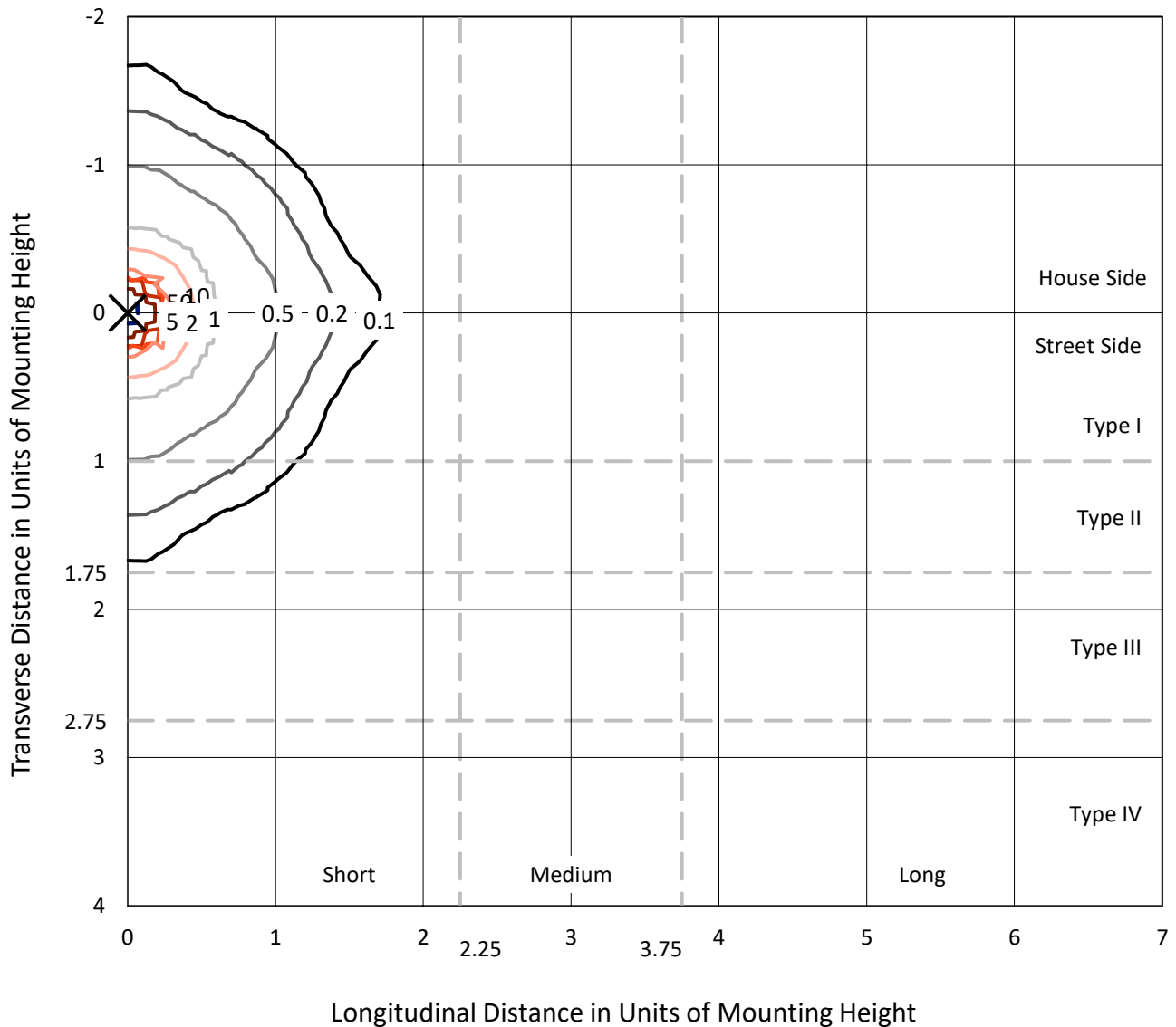
Lumens per Lamp: N/A  
Luminaire Lumens: 16886.3 lumens  
Efficiency: N/A  
Efficacy: 45.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

Input Watts (W): 368.2  
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: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

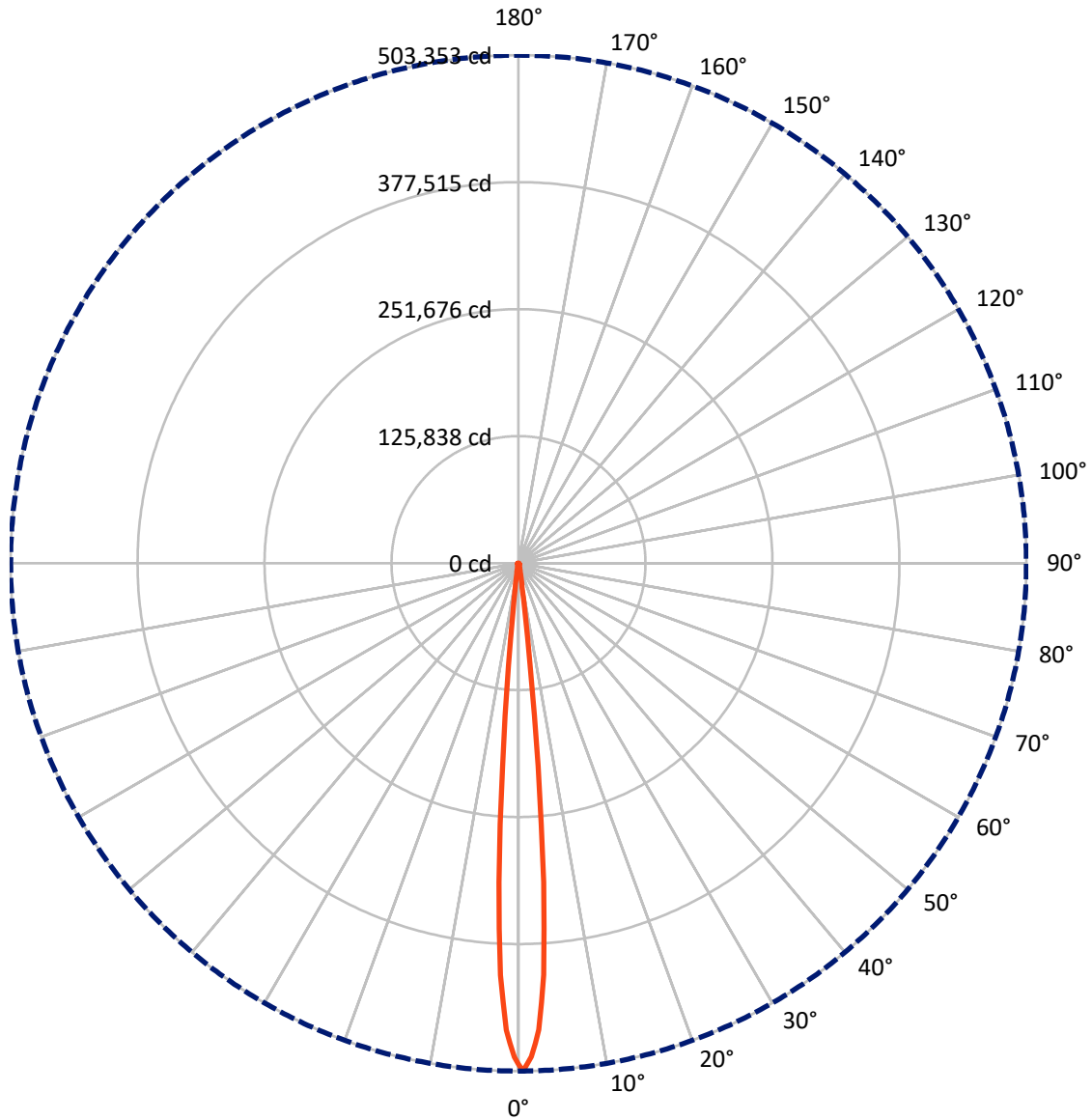
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 805.4 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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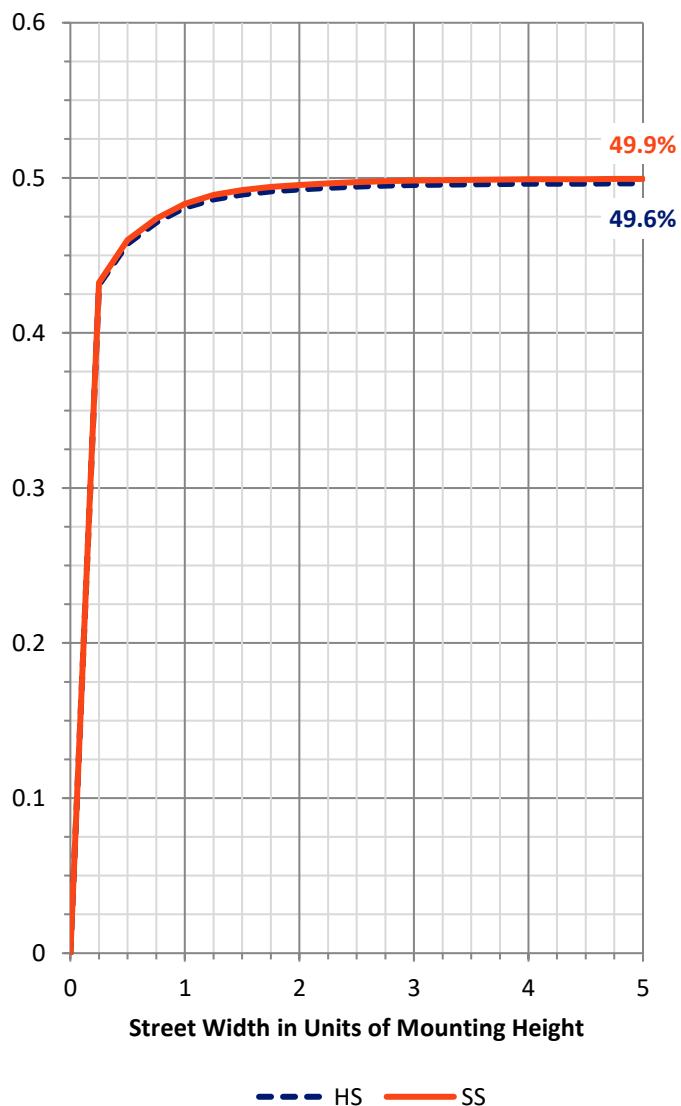
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8443.2	0.0	8443.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8443.2	0.0	8443.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16886.3	0.0	16886.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12968.6	76.8
10°-20°	1264.9	7.5
20°-30°	675.8	4.0
30°-40°	557.3	3.3
40°-50°	620.6	3.7
50°-60°	417.3	2.5
60°-70°	266.3	1.6
70°-80°	105.1	0.6
80°-90°	10.3	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°	16886.3	100.0
0°-180°	16886.3	100.0

**Coefficient of Utilization**



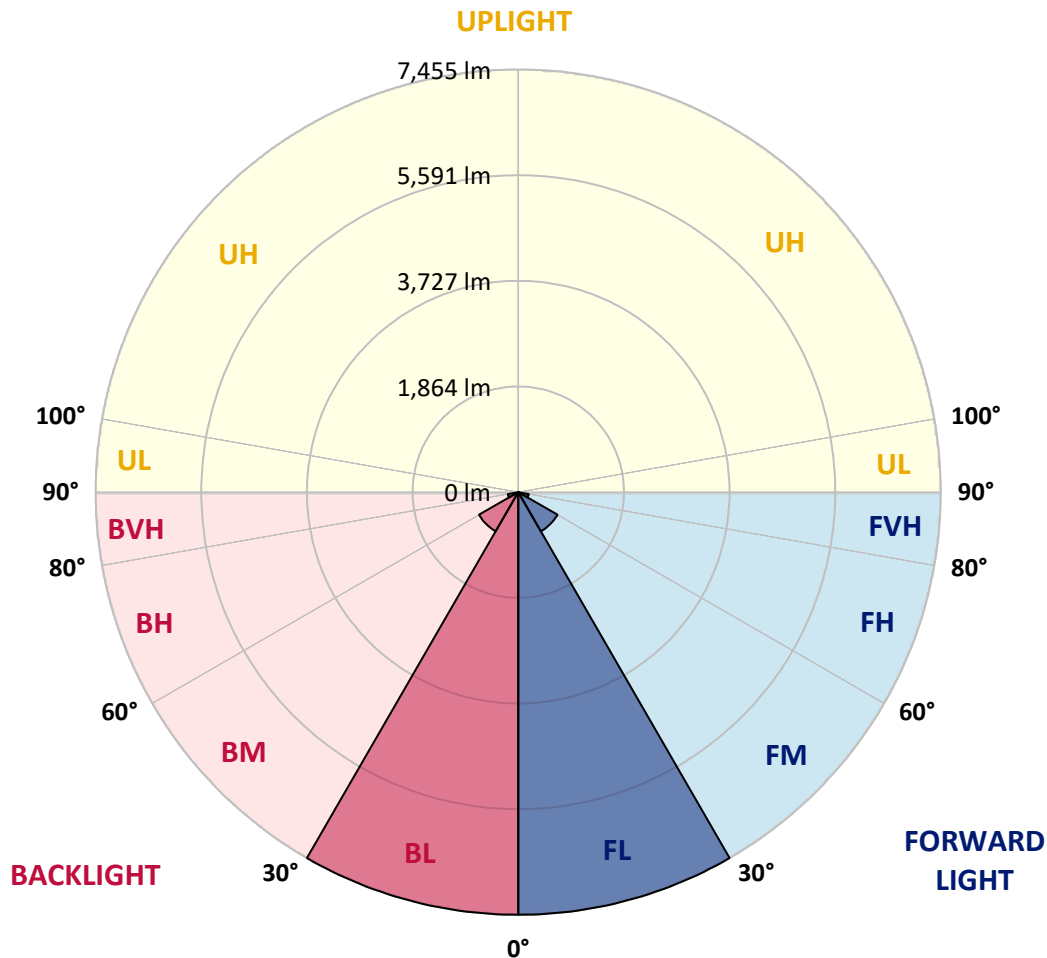
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7454.7	44.1			
FM (30°-60°)	797.6	4.7			
FH (60°-80°)	185.7	1.1			G0/660
FVH (80°-90°)	5.2	0.0			G0/10
BL (0°-30°)	7454.7	44.1	B5		
BM (30°-60°)	797.6	4.7	B1/1000		
BH (60°-80°)	185.7	1.1	B1/500		G0/660
BVH (80°-90°)	5.2	0.0			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°	503352.7	503352.7	503352.7	503352.7	503352.7	503352.7	503352.7	503352.7	503352.7	503352.7
1°	489363.2	490214.2	490367.8	489354.4	486770.6	487380.3	487301.4	487437.4	487182.9	485568.6
2°	462866.8	464125.8	462801.0	459958.3	454071.2	452667.4	447977.9	442744.4	437173.1	431588.7
3°	408781.6	411431.3	409540.6	412576.2	400635.3	399428.9	389567.4	376564.8	363386.8	352709.3
4°	316943.5	321839.2	322488.5	332508.0	322699.0	325765.4	314500.1	296435.1	276720.7	261638.8
5°	202026.3	208852.2	212703.8	222100.4	226618.8	238384.3	232896.4	214765.7	191984.9	174635.0
6°	102077.0	105792.6	116141.1	126472.1	138009.4	153622.1	155736.6	139821.2	121690.4	105038.1
7°	47583.9	49119.2	56418.9	58621.1	71812.3	88749.8	91118.7	82393.3	72830.0	59924.0
8°	24588.1	25184.7	27851.9	29488.2	37182.7	46925.8	48588.4	43096.1	39183.1	32690.6
9°	15143.3	15406.5	16406.7	16775.2	19653.0	23987.1	24575.0	22276.3	21214.7	18973.0
10°	10502.1	10642.4	11111.8	11208.3	12169.0	13594.8	13647.4	12892.9	12910.4	12348.9
12.5°	5597.6	5641.5	5773.1	5786.2	5970.5	6119.6	6084.5	6088.9	6163.5	6088.9
15°	3579.6	3601.6	3680.5	3698.1	3794.6	3847.2	3820.9	3816.5	3842.9	3794.6
17.5°	2553.1	2566.3	2623.3	2671.6	2733.0	2750.5	2741.8	2733.0	2733.0	2689.1
20°	1991.6	2009.2	2048.6	2096.9	2127.6	2158.3	2162.7	2158.3	2145.2	2123.2
22.5°	1693.3	1702.1	1715.2	1737.2	1759.1	1772.3	1781.0	1785.4	1781.0	1772.3
25°	1474.0	1482.7	1509.1	1522.2	1522.2	1526.6	1544.2	1552.9	1557.3	1539.8
27.5°	1087.9	1109.9	1149.3	1171.3	1171.3	1180.1	1193.2	1210.8	1228.3	1197.6
30°	842.3	859.8	903.7	903.7	899.3	908.1	921.2	947.6	973.9	938.8
32.5°	758.9	758.9	767.7	772.1	772.1	785.2	794.0	815.9	837.9	829.1
35°	794.0	772.1	745.8	745.8	754.5	780.9	785.2	807.2	829.1	859.8
37.5°	1153.7	1087.9	991.4	973.9	973.9	1004.6	991.4	1004.6	1044.1	1158.1
40°	1048.5	995.8	938.8	859.8	859.8	903.7	873.0	890.5	982.6	1052.8
42.5°	934.4	934.4	873.0	798.4	798.4	820.3	811.6	820.3	925.6	982.6
45°	864.2	864.2	846.7	728.2	745.8	758.9	758.9	758.9	899.3	916.8
47.5°	824.7	824.7	780.9	671.2	693.1	697.5	706.3	697.5	807.2	868.6
50°	737.0	745.8	671.2	592.2	618.5	618.5	631.7	614.2	697.5	798.4
52.5°	636.1	644.9	530.8	469.4	500.1	495.7	513.3	486.9	552.7	693.1
55°	565.9	561.5	438.7	381.7	416.7	412.4	421.1	390.4	447.5	596.6
57.5°	491.3	500.1	359.7	311.5	350.9	342.2	355.3	320.2	368.5	530.8
60°	434.3	447.5	307.1	263.2	302.7	293.9	307.1	267.6	315.9	478.2
62.5°	416.7	416.7	272.0	223.7	263.2	254.4	263.2	223.7	280.8	438.7
65°	495.7	469.4	245.7	184.2	223.7	215.0	223.7	184.2	245.7	421.1
67.5°	658.0	627.3	232.5	144.8	179.9	166.7	179.9	149.2	215.0	394.8
70°	342.2	364.1	232.5	114.1	136.0	136.0	131.6	114.1	179.9	289.5
72.5°	197.4	201.8	179.9	87.7	105.3	114.1	100.9	87.7	131.6	215.0
75°	109.7	122.8	114.1	65.8	79.0	87.7	74.6	65.8	92.1	153.5
77.5°	65.8	74.6	65.8	43.9	52.6	48.3	52.6	43.9	61.4	100.9
80°	35.1	35.1	35.1	26.3	26.3	30.7	30.7	26.3	35.1	52.6
82.5°	13.2	13.2	13.2	8.8	13.2	13.2	13.2	17.5	17.5	21.9
85°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	0.0	0.0	0.0	0.0	0.0	4.4	4.4	4.4	4.4	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
503352.7  
487161.0  
434804.3  
356758.3  
265135.1  
176859.1  
106283.9  
61485.7  
33572.4  
19459.9  
12607.7  
6172.3  
3829.7  
2702.3  
2127.6  
1776.7  
1539.8  
1193.2  
930.0  
829.1  
877.4  
1215.1  
1118.6  
987.0  
912.5  
855.4  
789.6  
675.6  
587.8  
517.6  
465.0  
434.3  
421.1  
390.4  
285.1  
210.6  
136.0  
74.6  
43.9  
21.9  
4.4  
4.4  
0.0

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