

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: P636199

Luminaire Tested: **IFLD-S-SA6D-935-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636199  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-935-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (96) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29053 lumens  
Efficiency: N/A  
Efficacy: 78.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

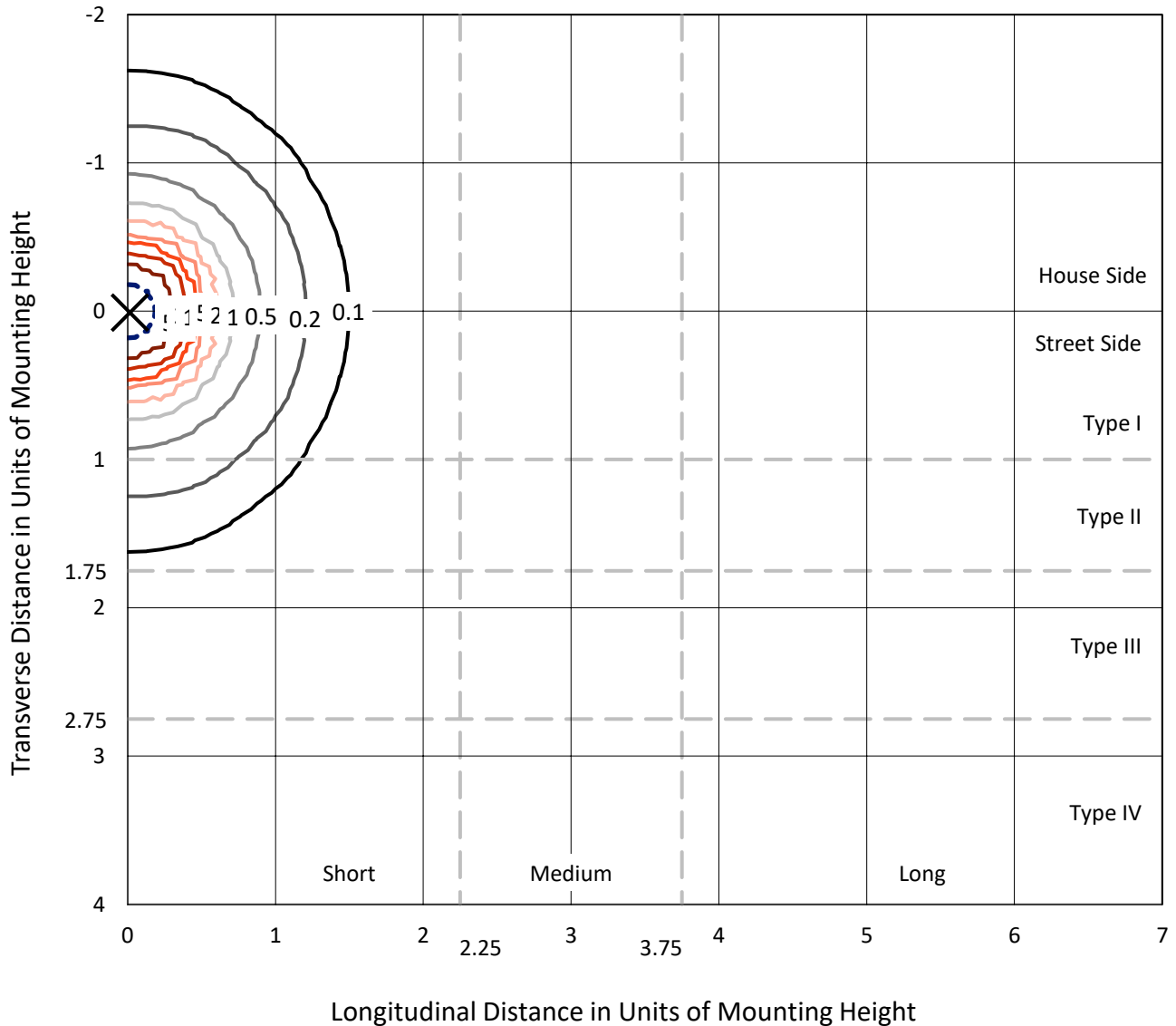
Input Watts (W): 368.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

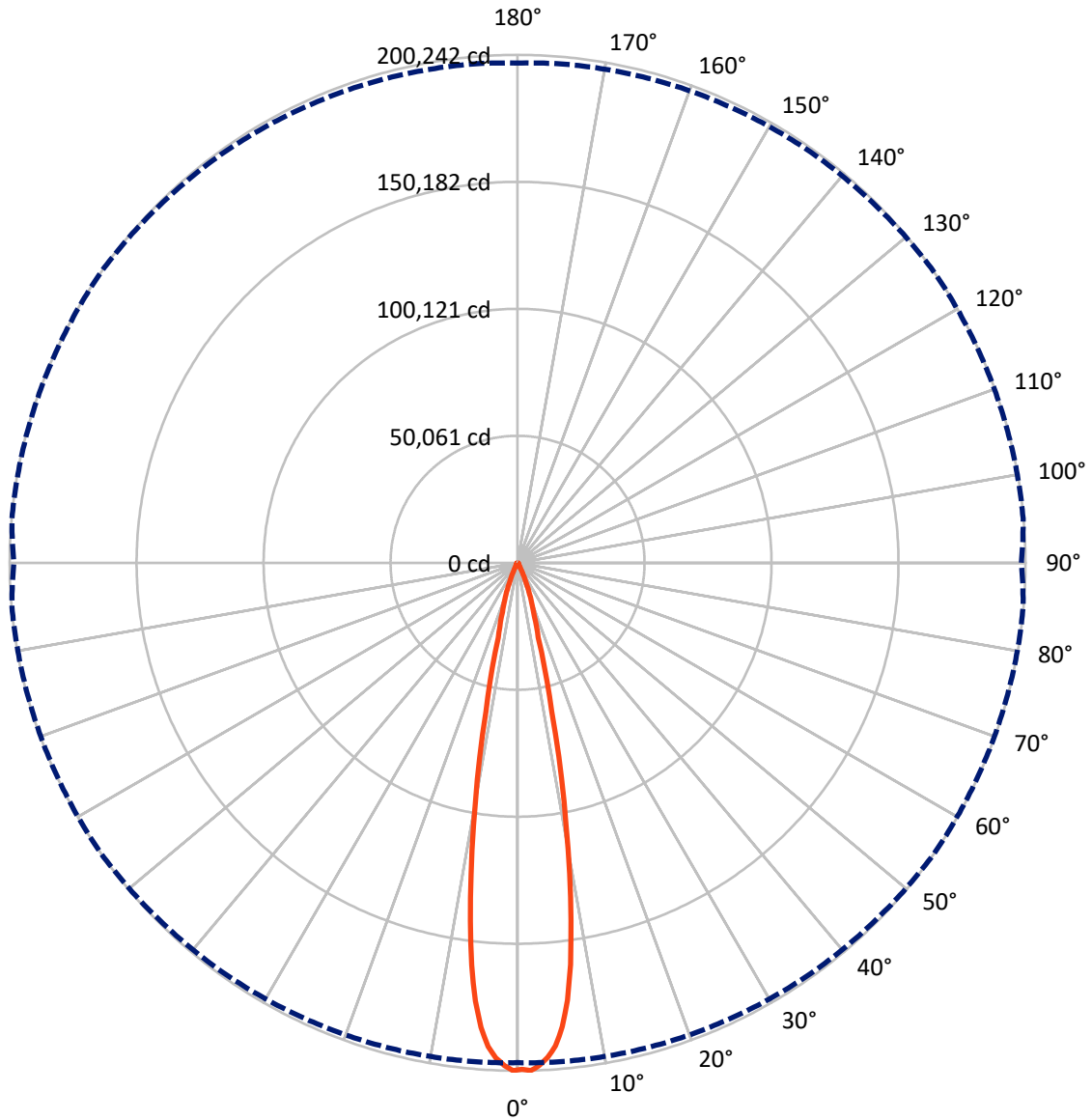
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 499.3 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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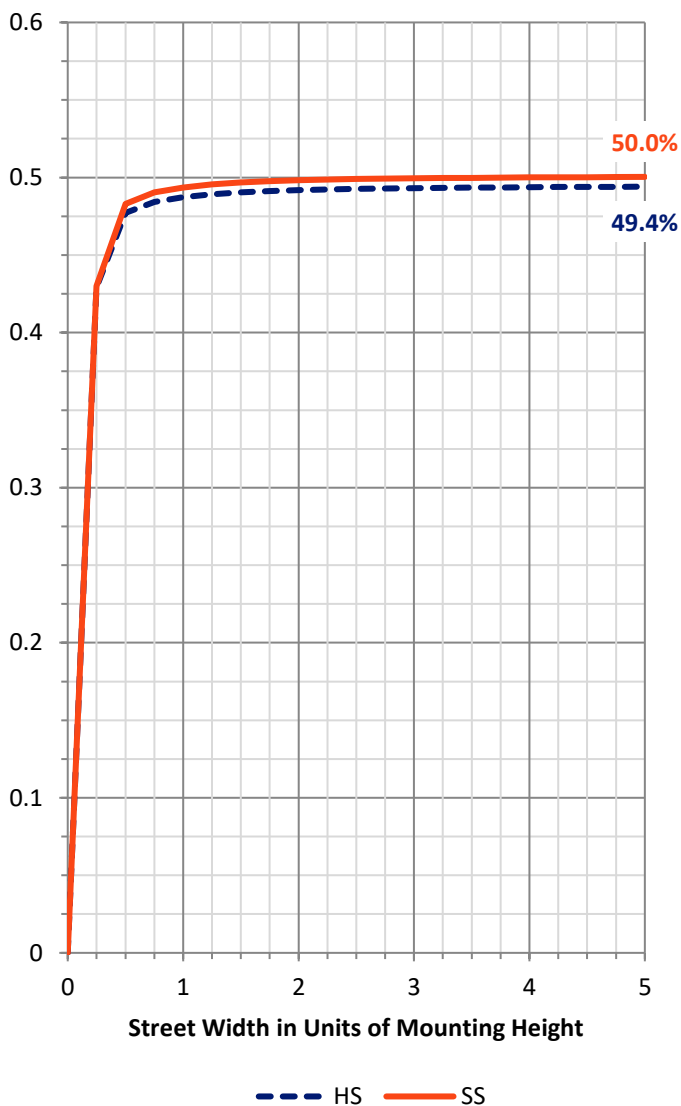
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14526.5	0.0	14526.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14526.5	0.0	14526.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29053.0	0.0	29053.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14761.1	50.8
10°-20°	10461.3	36.0
20°-30°	2451.3	8.4
30°-40°	512.3	1.8
40°-50°	330.5	1.1
50°-60°	244.8	0.8
60°-70°	166.4	0.6
70°-80°	88.8	0.3
80°-90°	36.4	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°	29053.0	100.0
0°-180°	29053.0	100.0

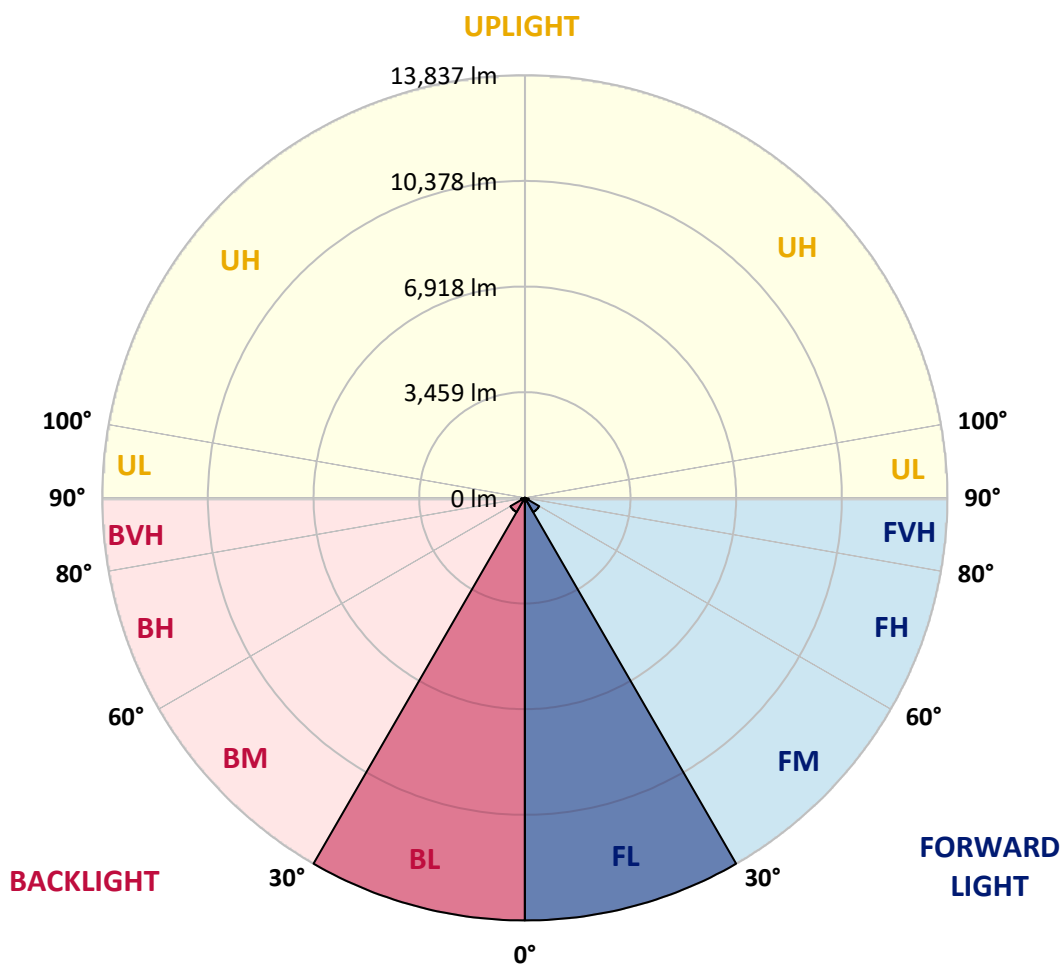


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13836.9	47.6			
FM (30°-60°)	543.8	1.9			
FH (60°-80°)	127.6	0.4			G0/660
FVH (80°-90°)	18.2	0.1			G1/100
BL (0°-30°)	13836.9	47.6	B5		
BM (30°-60°)	543.8	1.9	B1/1000		
BH (60°-80°)	127.6	0.4	B1/500		G0/660
BVH (80°-90°)	18.2	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°	199728.6	199728.6	199728.6	199728.6	199728.6	199728.6	199728.6	199728.6	199728.6	199728.6
1°	197041.4	197406.2	197853.2	198259.1	198870.6	199369.0	200242.4	200057.4	200031.7	200067.7
2°	193223.9	193681.2	194369.7	194775.6	196353.0	197000.3	198320.8	198711.3	198397.9	198752.4
3°	187505.4	187880.4	188959.4	189755.8	191800.7	193547.6	195315.1	195900.8	195536.0	195700.4
4°	180697.5	181082.9	182387.9	184011.5	186965.9	188902.9	191019.7	191543.8	190351.8	190434.0
5°	172594.9	172774.8	174372.7	175852.4	179387.4	181735.4	183744.4	183908.8	182819.5	182403.3
6°	163480.2	163156.5	164625.9	165252.8	169645.7	172040.0	173509.5	173319.4	172492.2	172137.7
7°	152649.3	152207.5	153394.3	153055.2	156944.7	158311.4	159724.3	159076.9	158419.3	159236.2
8°	140117.8	139871.2	139105.6	140492.9	141263.6	142486.4	142481.3	142106.2	142085.6	143447.2
9°	121898.5	124174.6	123501.6	124955.6	124760.4	124703.9	124328.8	124087.3	123059.7	124626.8
10°	101891.2	103381.3	104516.7	106685.0	106263.7	106859.7	104773.6	105128.2	104444.8	105739.6
12.5°	52741.3	54416.3	55397.7	57052.1	58870.9	60730.9	60129.8	59508.1	58578.1	59718.7
15°	25962.2	26625.0	26938.4	28618.5	29913.3	30380.9	30452.8	29903.0	29666.7	29913.3
17.5°	15932.9	16164.1	17073.5	19005.4	20125.5	20402.9	20223.1	19621.9	18948.9	18666.3
20°	11534.8	11601.6	11945.8	12320.9	13816.0	14597.0	14309.3	13718.4	13096.7	12803.8
22.5°	7532.3	7599.1	7712.1	7917.6	8318.4	9284.3	8970.9	8570.1	8148.8	8061.5
25°	4264.5	4264.5	4382.7	4593.4	4891.4	4963.3	5024.9	4598.5	4403.2	4315.9
27.5°	2378.9	2394.3	2420.0	2502.2	2651.2	2635.8	2569.0	2456.0	2322.4	2183.6
30°	1315.3	1330.7	1346.2	1366.7	1392.4	1346.2	1305.0	1284.5	1228.0	1212.6
32.5°	986.5	986.5	996.8	991.6	965.9	909.4	883.7	914.6	909.4	883.7
35°	811.8	811.8	822.1	842.6	791.2	750.1	729.6	770.7	770.7	755.3
37.5°	662.8	667.9	673.1	698.8	683.4	637.1	632.0	642.2	647.4	642.2
40°	580.6	575.5	575.5	580.6	570.3	560.0	549.8	544.6	549.8	544.6
42.5°	503.5	498.4	508.7	498.4	477.8	483.0	483.0	467.6	472.7	462.4
45°	441.9	436.7	441.9	431.6	416.2	421.3	421.3	400.8	400.8	395.6
47.5°	390.5	390.5	390.5	395.6	369.9	364.8	369.9	364.8	349.4	344.2
50°	339.1	344.2	349.4	359.7	334.0	323.7	323.7	323.7	313.4	308.3
52.5°	313.4	318.6	318.6	318.6	303.1	292.9	292.9	287.7	282.6	277.5
55°	303.1	303.1	303.1	282.6	277.5	272.3	256.9	251.8	246.6	246.6
57.5°	287.7	287.7	282.6	267.2	251.8	251.8	231.2	226.1	220.9	220.9
60°	256.9	256.9	256.9	251.8	231.2	226.1	205.5	195.2	190.1	190.1
62.5°	236.3	236.3	236.3	215.8	210.7	195.2	179.8	164.4	159.3	149.0
65°	215.8	215.8	215.8	195.2	185.0	169.6	149.0	133.6	123.3	107.9
67.5°	200.4	200.4	195.2	179.8	164.4	143.9	123.3	107.9	87.3	77.1
70°	174.7	174.7	169.6	159.3	143.9	128.4	102.8	82.2	66.8	51.4
72.5°	149.0	149.0	143.9	133.6	123.3	107.9	87.3	71.9	46.2	36.0
75°	123.3	123.3	118.2	107.9	102.8	92.5	77.1	56.5	36.0	15.4
77.5°	102.8	102.8	97.6	92.5	87.3	77.1	66.8	46.2	25.7	10.3
80°	77.1	82.2	82.2	82.2	71.9	66.8	61.7	46.2	20.6	5.1
82.5°	56.5	61.7	61.7	61.7	56.5	51.4	56.5	41.1	20.6	5.1
85°	41.1	41.1	46.2	46.2	46.2	46.2	61.7	46.2	15.4	5.1
87.5°	20.6	20.6	20.6	20.6	20.6	25.7	30.8	25.7	10.3	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°  
199728.6  
*198634.2*  
197406.2  
194467.3  
189211.2  
181535.0  
171341.3  
158984.4  
139670.8  
121703.3  
102420.4  
56630.8  
28762.4  
18270.6  
12577.8  
7881.7  
4244.0  
2188.8  
1212.6  
868.3  
750.1  
642.2  
549.8  
467.6  
395.6  
344.2  
303.1  
272.3  
241.5  
220.9  
185.0  
138.7  
107.9  
71.9  
51.4  
30.8  
15.4  
5.1  
5.1  
5.1  
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