

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: P525341

Luminaire Tested: **IFLD-L-SA7C-935-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525341  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-935-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (112) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

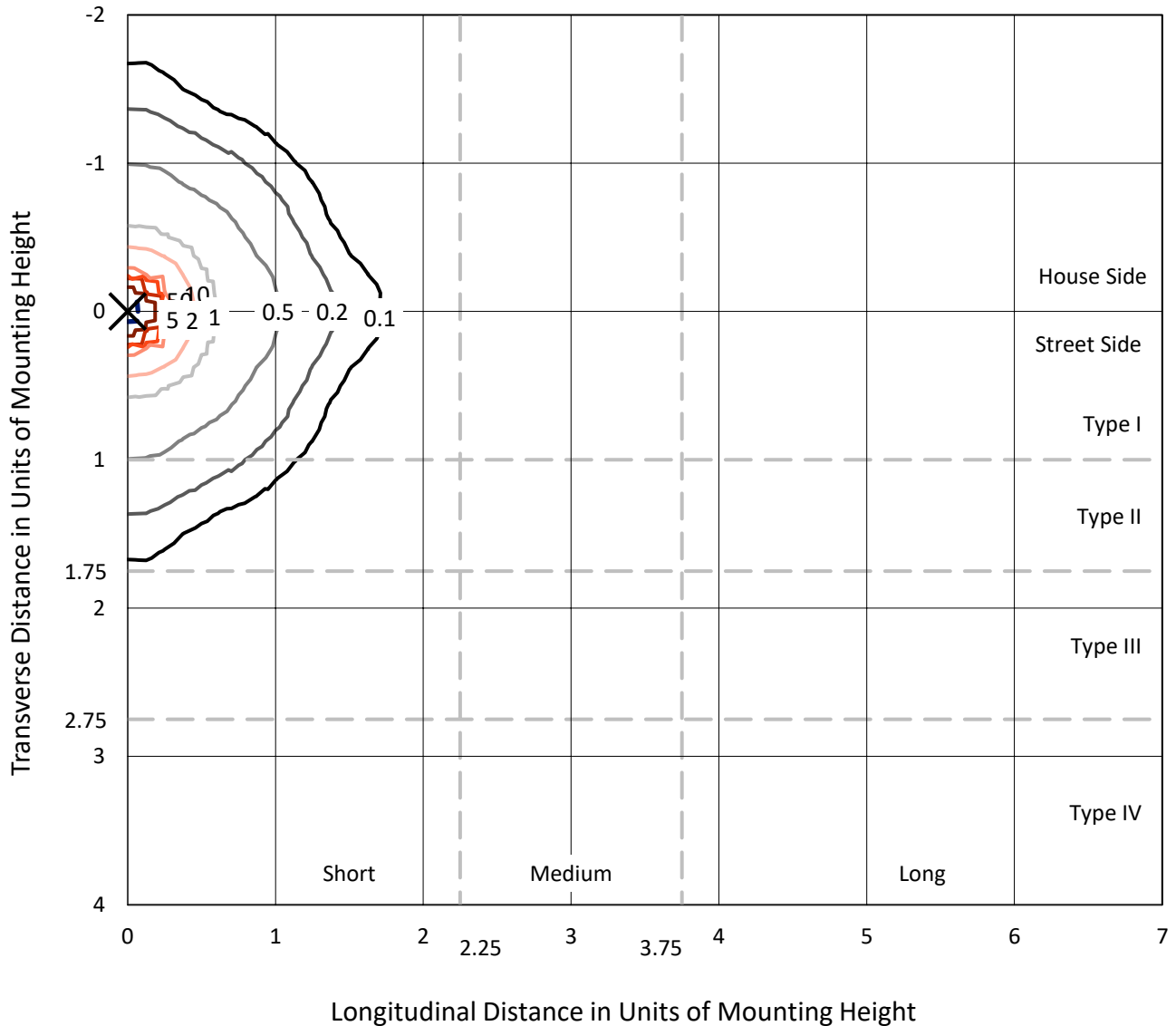
Lumens per Lamp: N/A  
Luminaire Lumens: 16986.3 lumens  
Efficiency: N/A  
Efficacy: 46.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

Input Watts (W): 369  
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

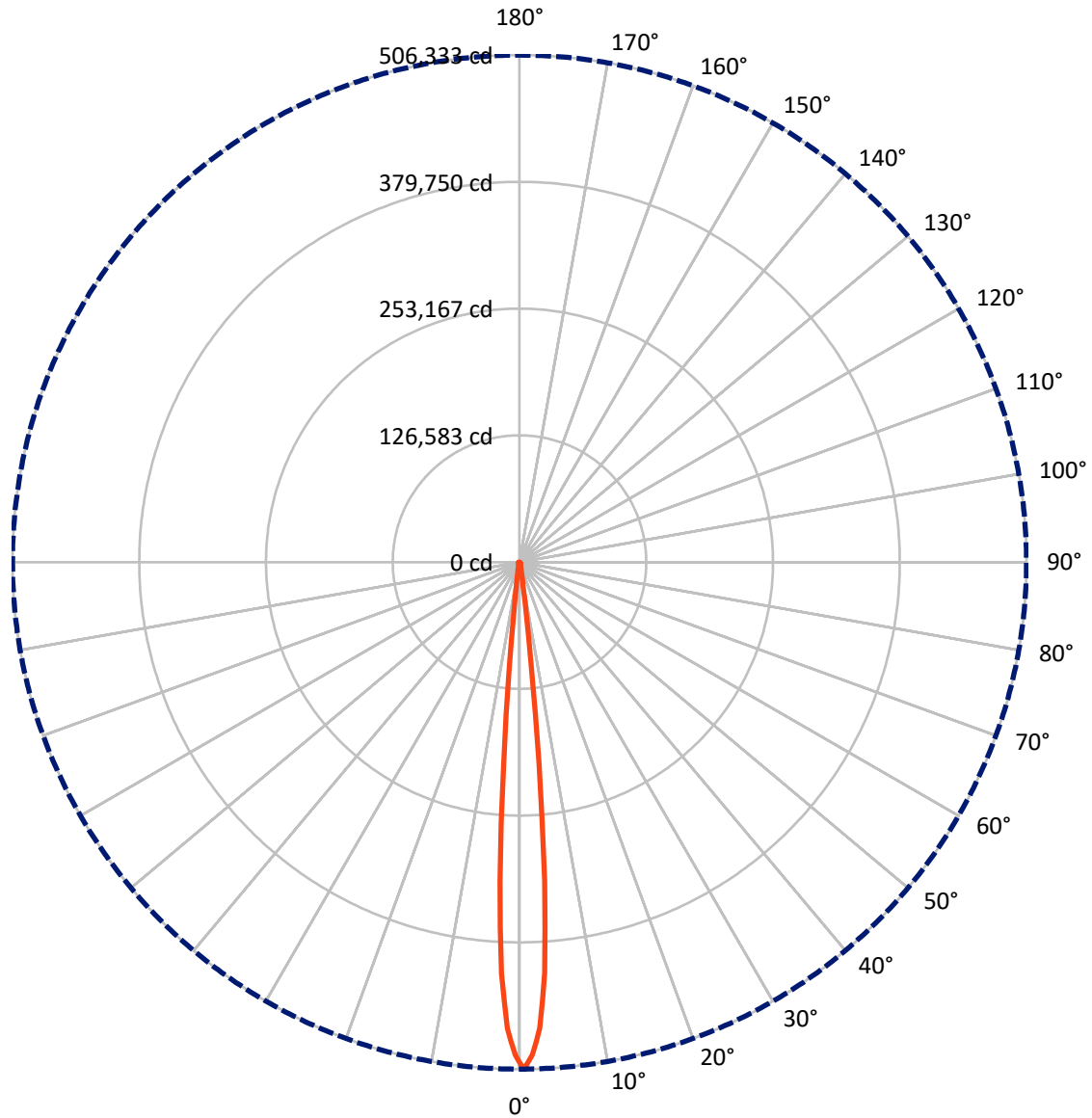
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 810.1 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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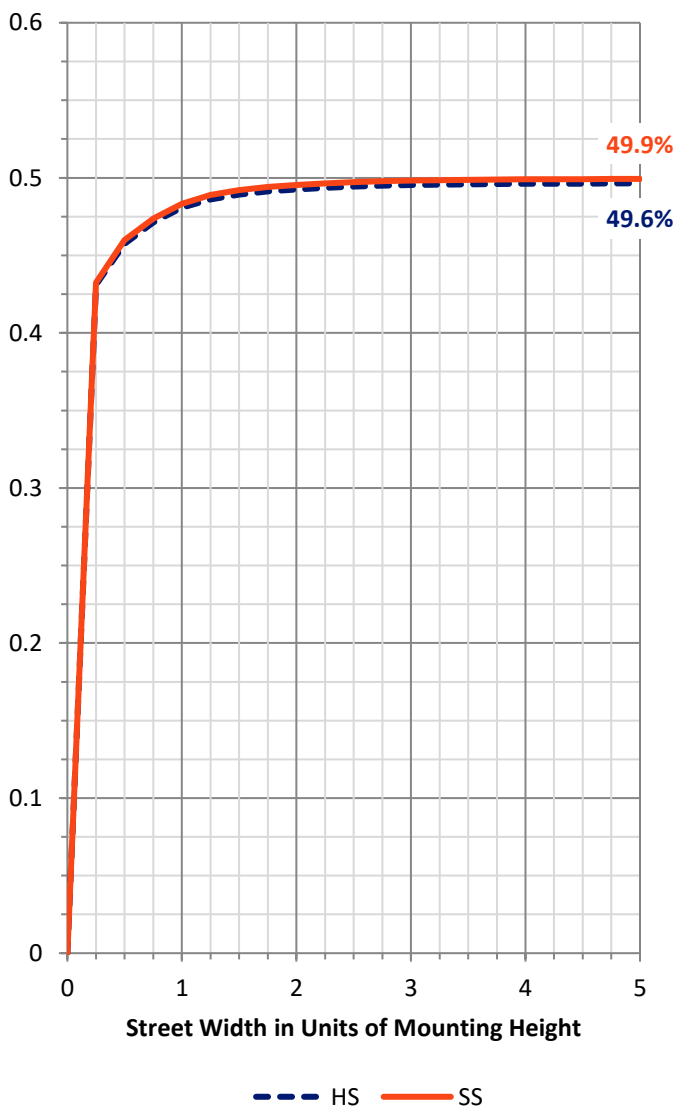
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8493.2	0.0	8493.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8493.2	0.0	8493.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16986.3	0.0	16986.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13045.4	76.8
10°-20°	1272.4	7.5
20°-30°	679.8	4.0
30°-40°	560.6	3.3
40°-50°	624.3	3.7
50°-60°	419.8	2.5
60°-70°	267.9	1.6
70°-80°	105.8	0.6
80°-90°	10.4	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°	16986.3	100.0
0°-180°	16986.3	100.0

**Coefficient of Utilization**

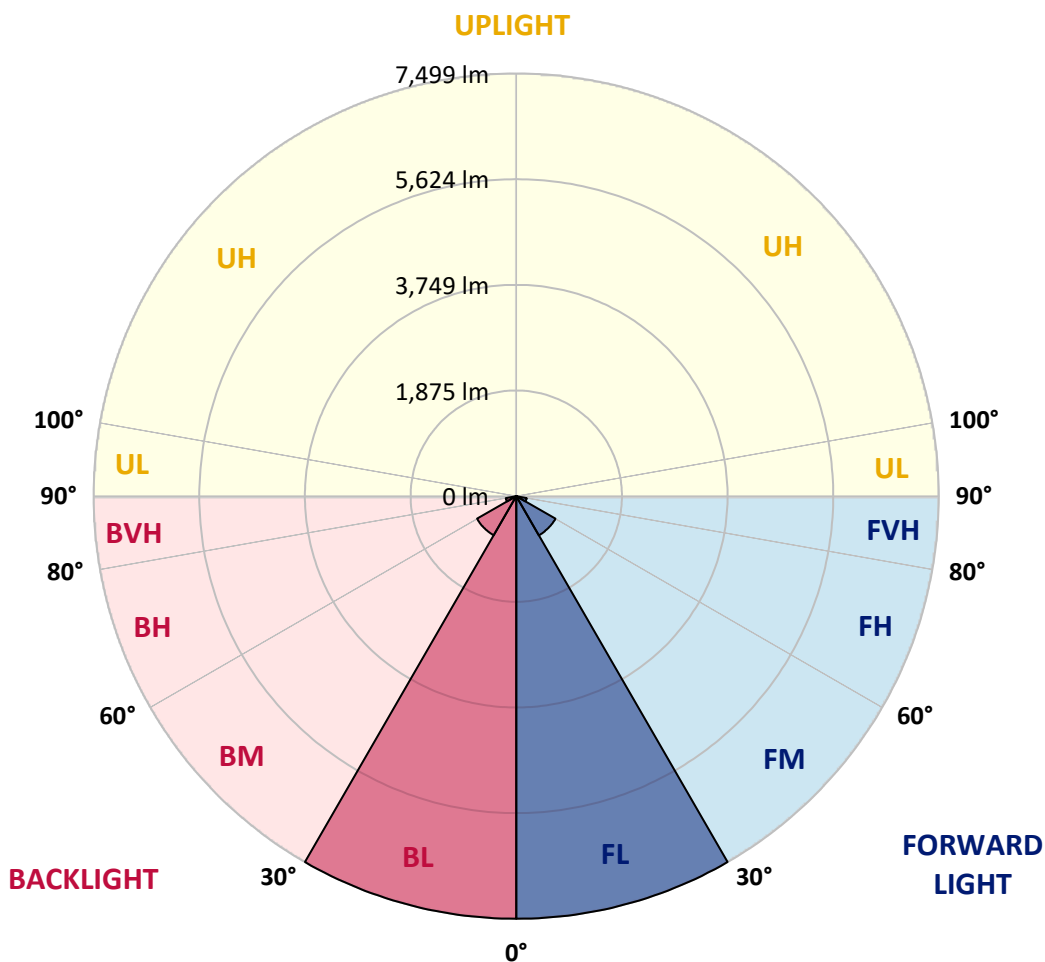


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7498.8	44.1			
FM (30°-60°)	802.3	4.7			
FH (60°-80°)	186.8	1.1			G0/660
FVH (80°-90°)	5.2	0.0			G0/10
BL (0°-30°)	7498.8	44.1	B5		
BM (30°-60°)	802.3	4.7	B1/1000		
BH (60°-80°)	186.8	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°	506333.3	506333.3	506333.3	506333.3	506333.3	506333.3	506333.3	506333.3	506333.3	506333.3
1°	492260.9	493117.0	493271.4	492252.1	489652.9	490266.3	490186.9	490323.7	490067.7	488443.8
2°	465607.6	466874.1	465541.4	462681.9	456759.9	455347.8	450630.5	445366.1	439761.8	434144.3
3°	411202.2	413867.5	411965.6	415019.3	403007.6	401794.1	391874.1	378794.6	365538.6	354797.8
4°	318820.3	323744.9	324398.0	334476.9	324609.8	327694.4	316362.3	298190.4	278359.3	263188.1
5°	203222.6	210088.9	213963.3	223415.6	227960.7	239795.9	234275.5	216037.4	193121.7	175669.1
6°	102681.4	106419.0	116828.8	127221.0	138826.6	154531.8	156658.7	140649.1	122411.0	105660.0
7°	47865.6	49410.1	56753.0	58968.2	72237.5	89275.3	91658.2	82881.2	73261.3	60278.8
8°	24733.7	25333.9	28016.9	29662.8	37402.9	47203.7	48876.2	43351.3	39415.1	32884.2
9°	15233.0	15497.7	16503.9	16874.5	19769.3	24129.2	24720.5	22408.2	21340.3	19085.4
10°	10564.2	10705.4	11177.6	11274.7	12241.1	13675.3	13728.2	12969.2	12986.9	12422.0
12.5°	5630.7	5674.9	5807.2	5820.5	6005.8	6155.9	6120.6	6125.0	6200.0	6125.0
15°	3600.8	3622.9	3702.3	3720.0	3817.1	3870.0	3843.5	3839.1	3865.6	3817.1
17.5°	2568.2	2581.5	2638.9	2687.4	2749.2	2766.8	2758.0	2749.2	2749.2	2705.0
20°	2003.4	2021.1	2060.8	2109.3	2140.2	2171.1	2175.5	2171.1	2157.9	2135.8
22.5°	1703.3	1712.2	1725.4	1747.5	1769.5	1782.8	1791.6	1796.0	1791.6	1782.8
25°	1482.7	1491.5	1518.0	1531.2	1531.2	1535.7	1553.3	1562.1	1566.5	1548.9
27.5°	1094.4	1116.4	1156.2	1178.2	1178.2	1187.0	1200.3	1217.9	1235.6	1204.7
30°	847.3	864.9	909.0	909.0	904.6	913.4	926.7	953.2	979.6	944.3
32.5°	763.4	763.4	772.2	776.7	776.7	789.9	798.7	820.8	842.8	834.0
35°	798.7	776.7	750.2	750.2	759.0	785.5	789.9	812.0	834.0	864.9
37.5°	1160.6	1094.4	997.3	979.6	979.6	1010.5	997.3	1010.5	1050.2	1165.0
40°	1054.7	1001.7	944.3	864.9	864.9	909.0	878.1	895.8	988.5	1059.1
42.5°	939.9	939.9	878.1	803.1	803.1	825.2	816.4	825.2	931.1	988.5
45°	869.3	869.3	851.7	732.5	750.2	763.4	763.4	763.4	904.6	922.3
47.5°	829.6	829.6	785.5	675.2	697.2	701.6	710.5	701.6	812.0	873.7
50°	741.4	750.2	675.2	595.7	622.2	622.2	635.4	617.8	701.6	803.1
52.5°	639.9	648.7	533.9	472.2	503.1	498.6	516.3	489.8	556.0	697.2
55°	569.3	564.8	441.3	383.9	419.2	414.8	423.6	392.7	450.1	600.1
57.5°	494.2	503.1	361.8	313.3	353.0	344.2	357.4	322.1	370.7	533.9
60°	436.9	450.1	308.9	264.8	304.5	295.7	308.9	269.2	317.7	481.0
62.5°	419.2	419.2	273.6	225.1	264.8	255.9	264.8	225.1	282.4	441.3
65°	498.6	472.2	247.1	185.3	225.1	216.2	225.1	185.3	247.1	423.6
67.5°	661.9	631.0	233.9	145.6	180.9	167.7	180.9	150.0	216.2	397.2
70°	344.2	366.3	233.9	114.7	136.8	136.8	132.4	114.7	180.9	291.2
72.5°	198.6	203.0	180.9	88.3	105.9	114.7	101.5	88.3	132.4	216.2
75°	110.3	123.6	114.7	66.2	79.4	88.3	75.0	66.2	92.7	154.4
77.5°	66.2	75.0	66.2	44.1	53.0	48.5	53.0	44.1	61.8	101.5
80°	35.3	35.3	35.3	26.5	26.5	30.9	30.9	26.5	35.3	53.0
82.5°	13.2	13.2	13.2	8.8	13.2	13.2	13.2	17.7	17.7	22.1
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°  
506333.3  
490045.7  
437378.9  
358870.8  
266705.1  
177906.4  
106913.3  
61849.8  
33771.1  
19575.2  
12682.4  
6208.8  
3852.4  
2718.3  
2140.2  
1787.2  
1548.9  
1200.3  
935.5  
834.0  
882.6  
1222.3  
1125.3  
992.9  
917.9  
860.5  
794.3  
679.6  
591.3  
520.7  
467.8  
436.9  
423.6  
392.7  
286.8  
211.8  
136.8  
75.0  
44.1  
22.1  
4.4  
4.4  
0.0

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