

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: P636085

Luminaire Tested: **IFLD-M-SA4A-940-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636085  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-940-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (64) 4000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12680.2 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

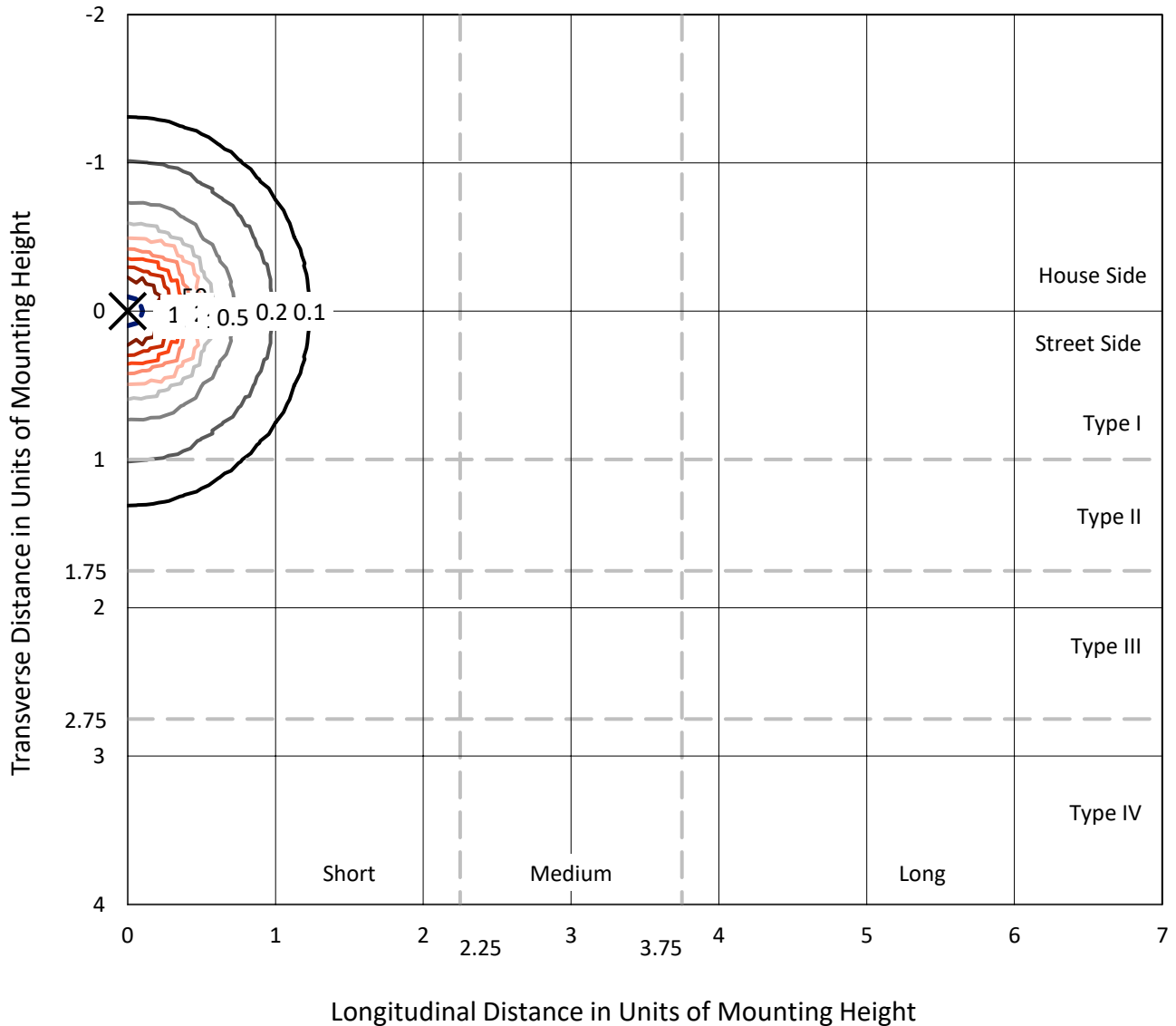
Input Watts (W): 128.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

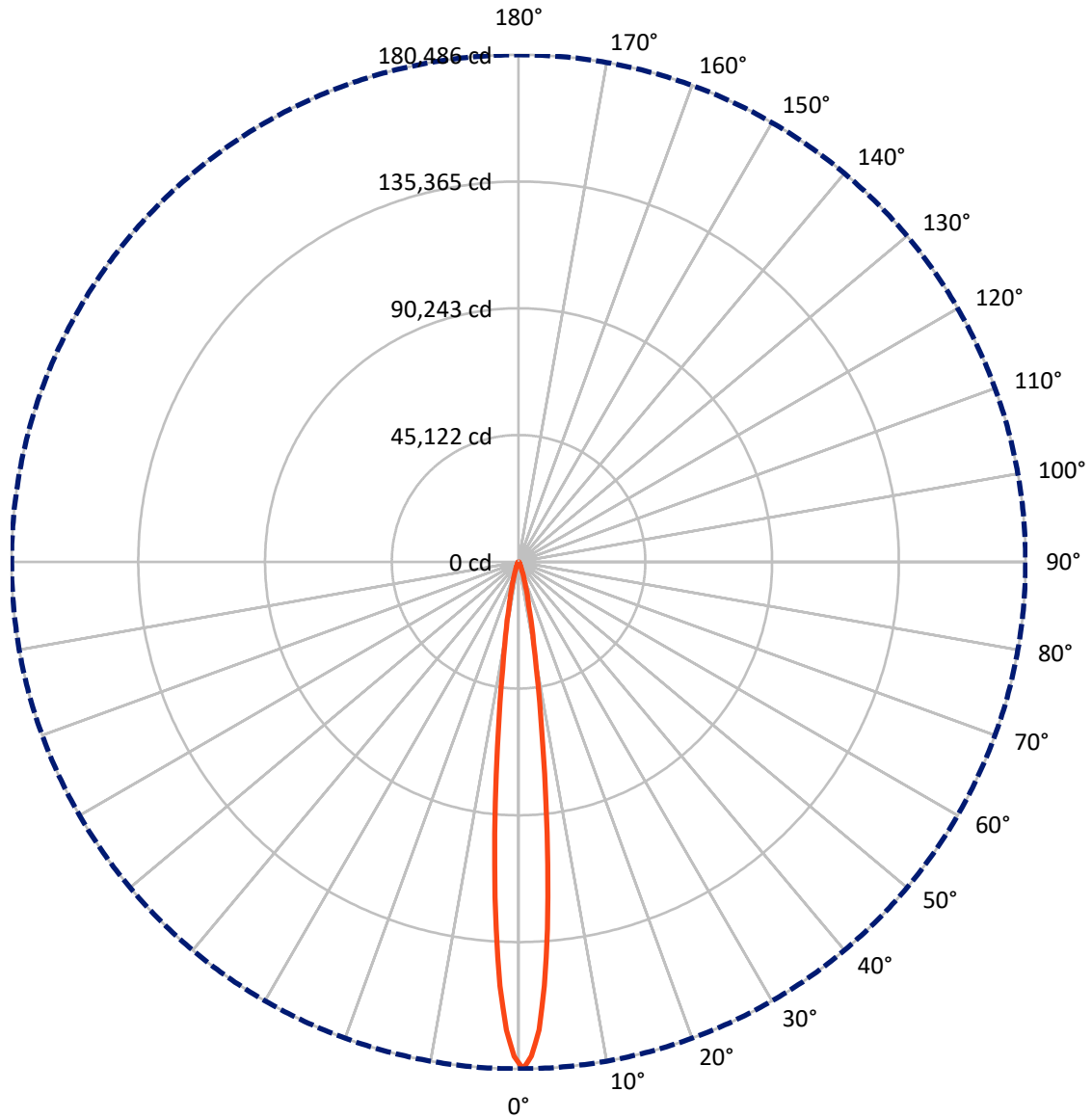
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 451.2 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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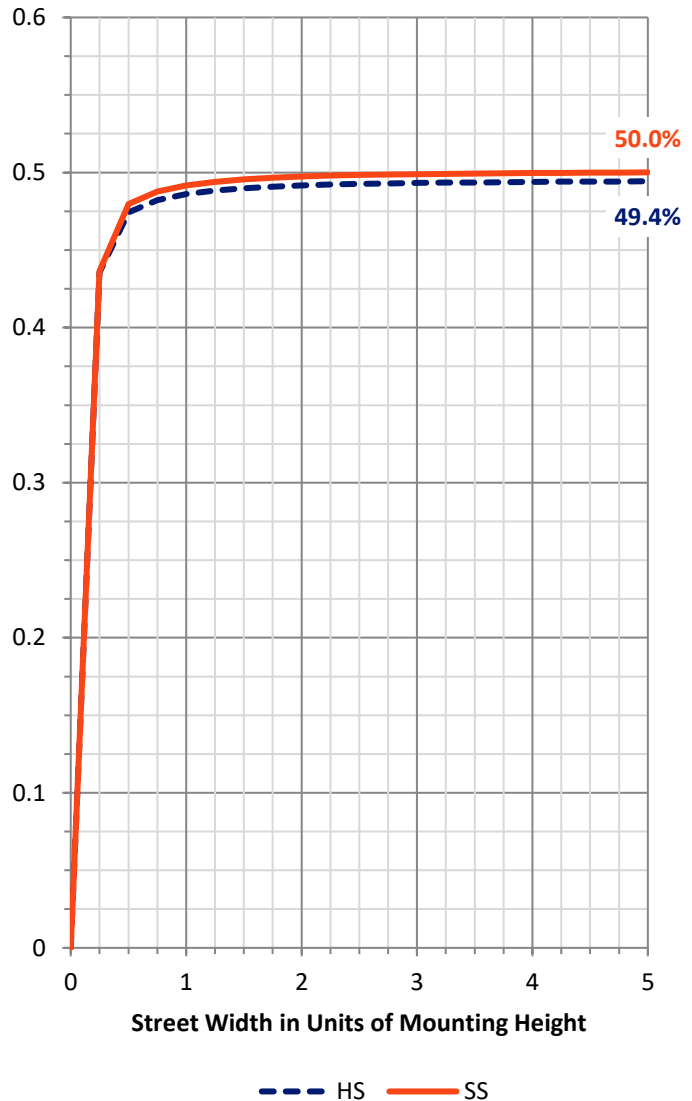
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6340.1	0.0	6340.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6340.1	0.0	6340.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	12680.2	0.0	12680.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7729.6	61.0
10°-20°	3462.9	27.3
20°-30°	773.3	6.1
30°-40°	252.4	2.0
40°-50°	174.1	1.4
50°-60°	131.5	1.0
60°-70°	90.0	0.7
70°-80°	47.4	0.4
80°-90°	18.9	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°	12680.2	100.0
0°-180°	12680.2	100.0

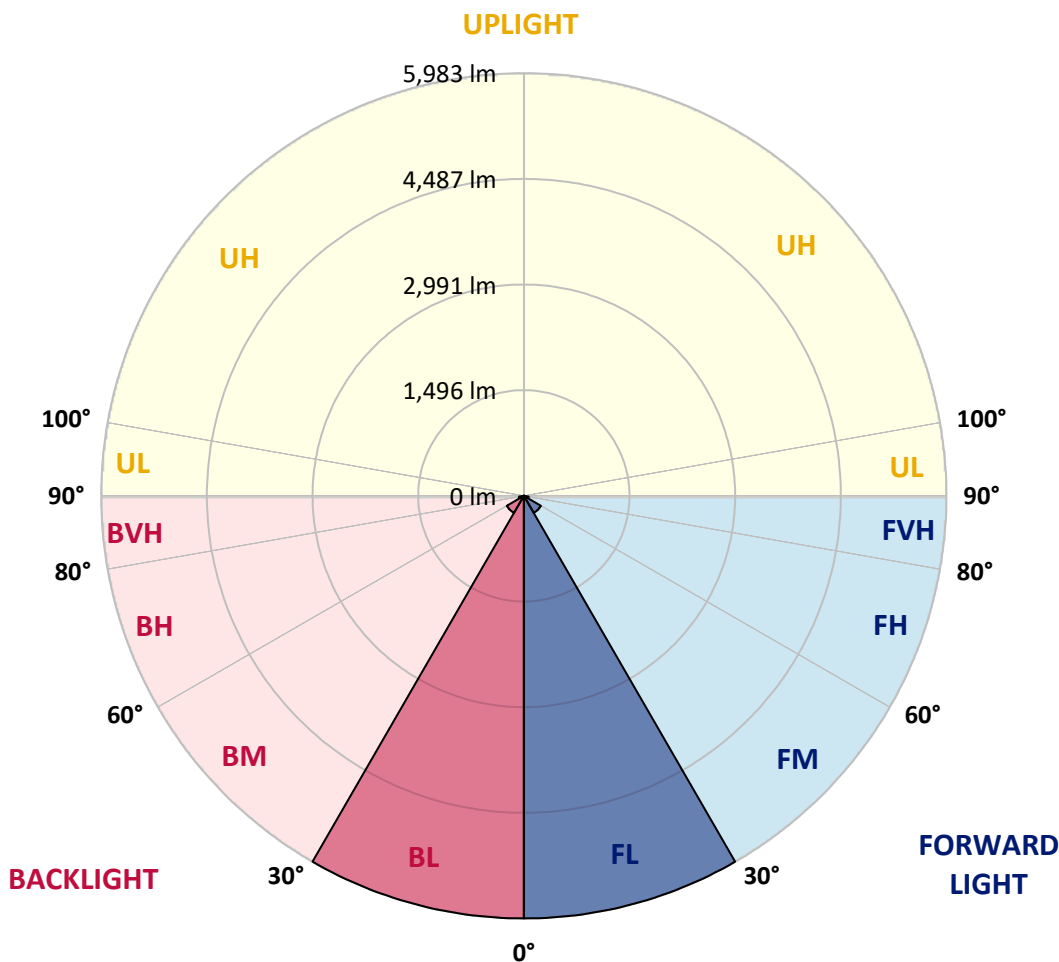


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5982.9	47.2			
FM (30°-60°)	279.0	2.2			
FH (60°-80°)	68.7	0.5			G0/660
FVH (80°-90°)	9.5	0.1			G0/10
BL (0°-30°)	5982.9	47.2	B5		
BM (30°-60°)	279.0	2.2	B1/1000		
BH (60°-80°)	68.7	0.5	B0/110		G0/660
BVH (80°-90°)	9.5	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°	180486.3	180486.3	180486.3	180486.3	180486.3	180486.3	180486.3	180486.3	180486.3	180486.3
1°	176005.2	176244.7	175978.1	177324.3	177879.9	178169.0	178202.9	178961.7	178376.8	178539.4
2°	166729.2	167262.2	166370.1	167232.9	168958.4	169611.2	168547.4	169861.9	169392.1	169665.4
3°	151142.7	151795.4	150562.2	151617.0	153837.2	154334.1	152590.4	154458.3	154410.9	154803.8
4°	131052.5	132111.8	130350.1	131599.1	132581.6	134311.6	132622.2	134747.6	134706.9	135389.0
5°	108247.5	109392.6	107861.3	109157.7	110088.3	110732.0	110113.1	112464.3	112613.4	113318.0
6°	85932.6	87000.9	85291.2	86528.9	88003.8	88268.0	88107.6	90131.3	90580.8	90032.0
7°	66133.8	66400.3	66131.6	67256.3	68439.8	68482.7	68690.5	70470.3	70865.6	70675.8
8°	50648.9	49429.3	50477.3	51073.5	51439.4	53119.8	53244.0	54140.7	54868.0	54919.9
9°	38554.2	37424.9	38637.7	38874.9	39715.1	41208.0	41020.5	42000.8	42457.0	42427.6
10°	29393.3	28819.6	29427.2	29689.2	30380.3	31645.1	31864.2	32313.7	32652.5	32873.8
12.5°	15950.2	16083.4	16435.8	16711.3	17641.9	17978.4	18113.9	18152.3	18150.0	18186.2
15°	9908.4	10016.9	10263.0	10762.2	11329.1	11746.9	11805.7	11588.8	11401.4	11372.0
17.5°	6179.5	6136.6	6714.8	7261.4	7943.5	8160.3	7934.4	7686.0	7430.8	7284.0
20°	3708.6	3738.0	3934.5	4178.4	4729.5	5104.4	4869.5	4616.6	4352.3	4178.4
22.5°	2107.3	2138.9	2224.7	2351.2	2561.2	2902.3	2753.2	2498.0	2310.5	2233.7
25°	1244.5	1244.5	1296.4	1352.9	1441.0	1520.0	1488.4	1352.9	1242.2	1210.6
27.5°	806.3	799.5	817.6	844.7	885.4	889.9	853.7	813.1	756.6	736.3
30°	589.5	591.8	589.5	600.8	598.5	582.7	560.1	562.4	539.8	537.5
32.5°	478.8	481.1	481.1	478.8	467.5	442.7	426.9	442.7	438.2	433.6
35°	397.5	399.8	422.4	420.1	402.0	374.9	363.6	381.7	395.3	374.9
37.5°	343.3	345.6	363.6	372.7	350.1	332.0	318.5	334.3	354.6	332.0
40°	302.7	304.9	309.4	311.7	300.4	291.4	284.6	289.1	298.1	286.8
42.5°	266.5	264.3	266.5	264.3	250.7	255.2	250.7	243.9	250.7	241.7
45°	232.6	232.6	232.6	225.9	212.3	221.3	216.8	210.0	212.3	205.5
47.5°	212.3	212.3	212.3	203.3	192.0	192.0	194.2	182.9	185.2	182.9
50°	192.0	192.0	196.5	187.5	178.4	171.7	173.9	164.9	167.1	164.9
52.5°	176.2	176.2	176.2	171.7	164.9	160.4	155.8	151.3	149.1	146.8
55°	169.4	169.4	167.1	153.6	151.3	146.8	137.8	135.5	131.0	128.7
57.5°	158.1	158.1	155.8	144.5	135.5	135.5	122.0	119.7	112.9	112.9
60°	140.0	140.0	137.8	135.5	124.2	117.4	108.4	103.9	97.1	94.9
62.5°	133.3	133.3	128.7	117.4	115.2	103.9	94.9	85.8	81.3	76.8
65°	124.2	122.0	119.7	108.4	99.4	92.6	81.3	70.0	65.5	56.5
67.5°	110.7	110.7	108.4	99.4	90.3	79.1	67.8	58.7	47.4	40.7
70°	97.1	94.9	94.9	85.8	79.1	70.0	54.2	45.2	33.9	27.1
72.5°	81.3	81.3	79.1	72.3	67.8	61.0	47.4	36.1	22.6	18.1
75°	65.5	65.5	63.2	58.7	56.5	49.7	40.7	31.6	18.1	9.0
77.5°	54.2	51.9	51.9	47.4	45.2	40.7	33.9	24.8	13.6	6.8
80°	40.7	40.7	42.9	40.7	36.1	33.9	29.4	22.6	11.3	4.5
82.5°	29.4	29.4	31.6	31.6	31.6	29.4	29.4	22.6	11.3	2.3
85°	20.3	20.3	24.8	22.6	22.6	24.8	36.1	29.4	9.0	2.3
87.5°	11.3	11.3	11.3	9.0	9.0	11.3	13.6	11.3	4.5	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
180486.3  
177344.6  
168689.7  
153749.1  
134191.9  
111971.9  
90088.4  
70416.1  
54264.9  
43118.8  
33004.8  
18215.5  
11281.7  
7261.4  
4216.8  
2242.8  
1206.1  
736.3  
535.3  
424.6  
370.4  
329.8  
282.3  
241.7  
205.5  
182.9  
164.9  
146.8  
126.5  
112.9  
90.3  
74.5  
54.2  
40.7  
27.1  
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9.0  
4.5  
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