

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: P636003

Luminaire Tested: **IFLD-L-SA7A-927-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636003  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-927-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (112) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18829.9 lumens  
Efficiency: N/A  
Efficacy: 86.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

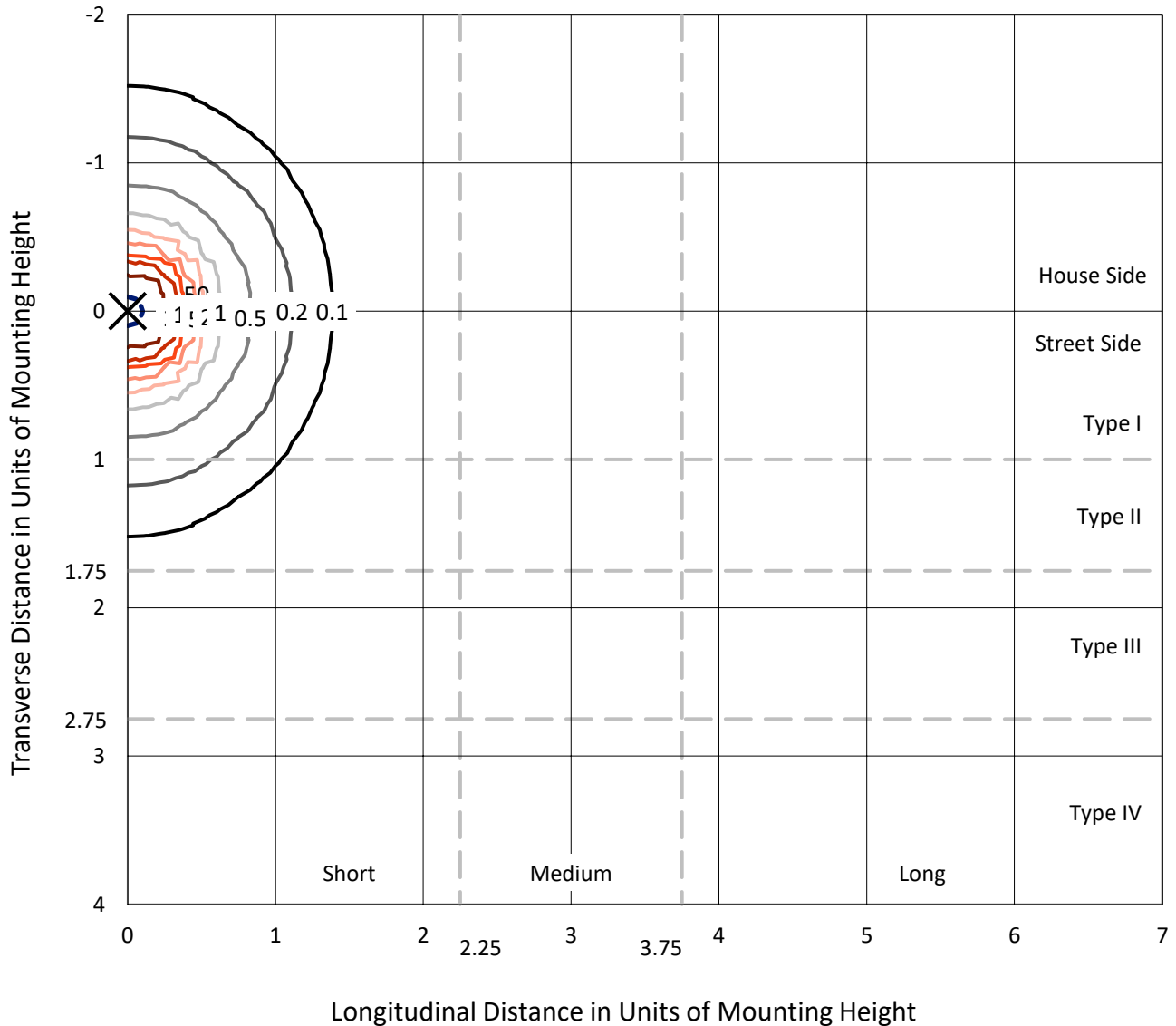
Input Watts (W): 217.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

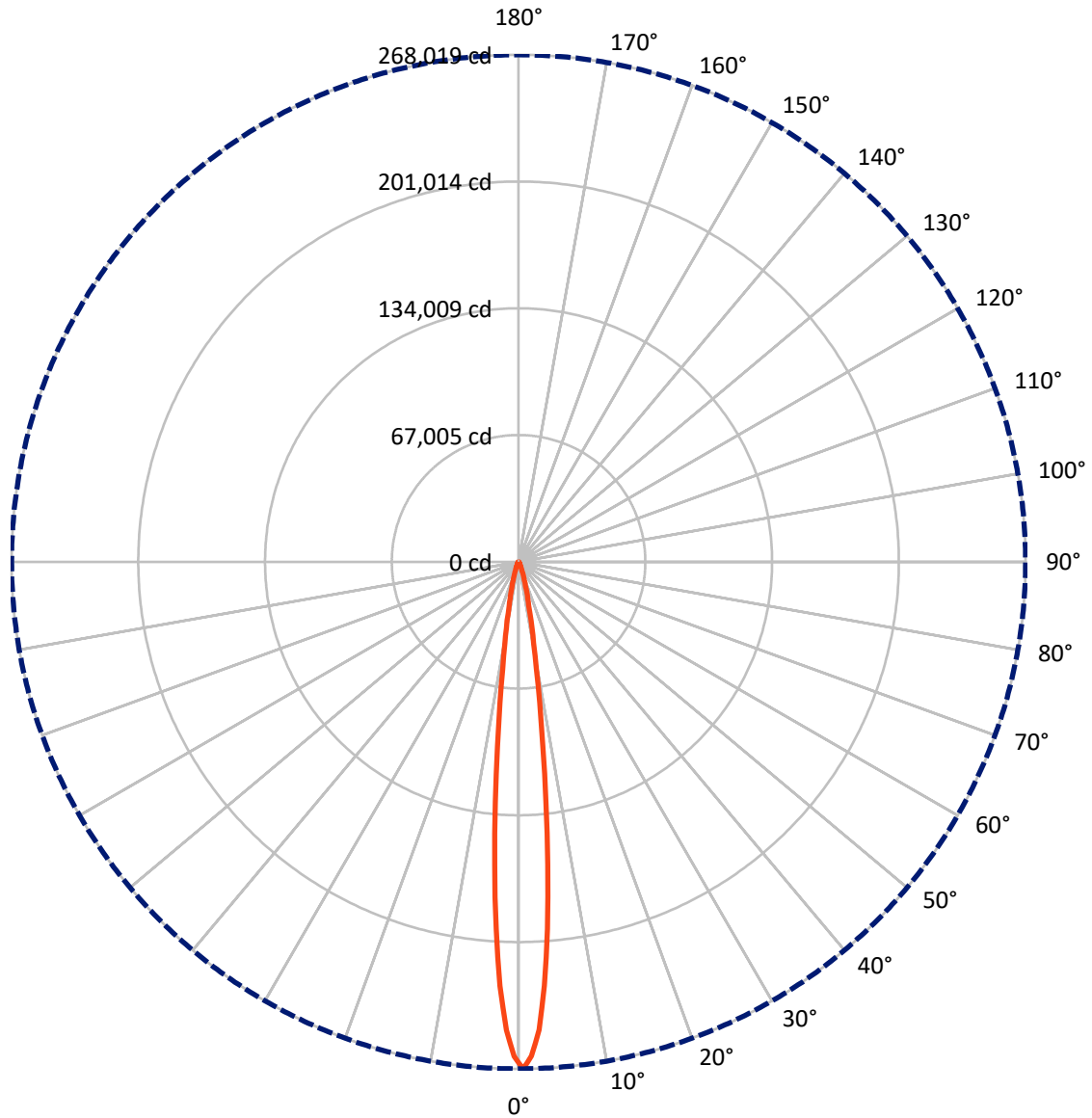
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 670 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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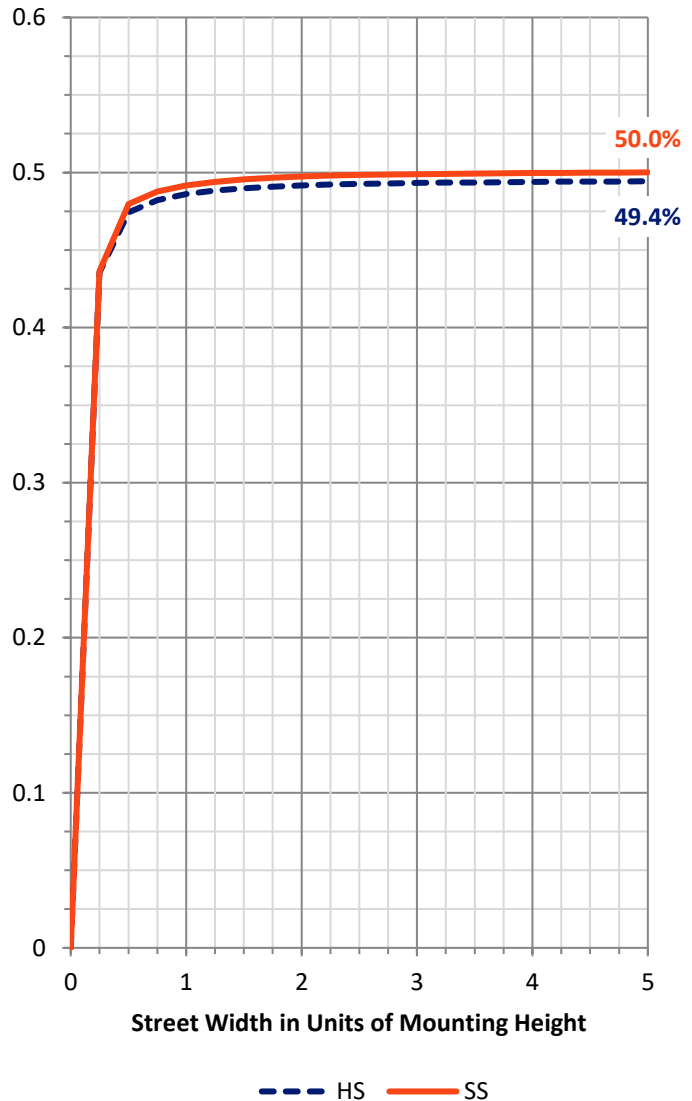
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9415.0	0.0	9415.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9415.0	0.0	9415.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18829.9	0.0	18829.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11478.3	61.0
10°-20°	5142.4	27.3
20°-30°	1148.4	6.1
30°-40°	374.8	2.0
40°-50°	258.5	1.4
50°-60°	195.3	1.0
60°-70°	133.7	0.7
70°-80°	70.4	0.4
80°-90°	28.1	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°	18829.9	100.0
0°-180°	18829.9	100.0

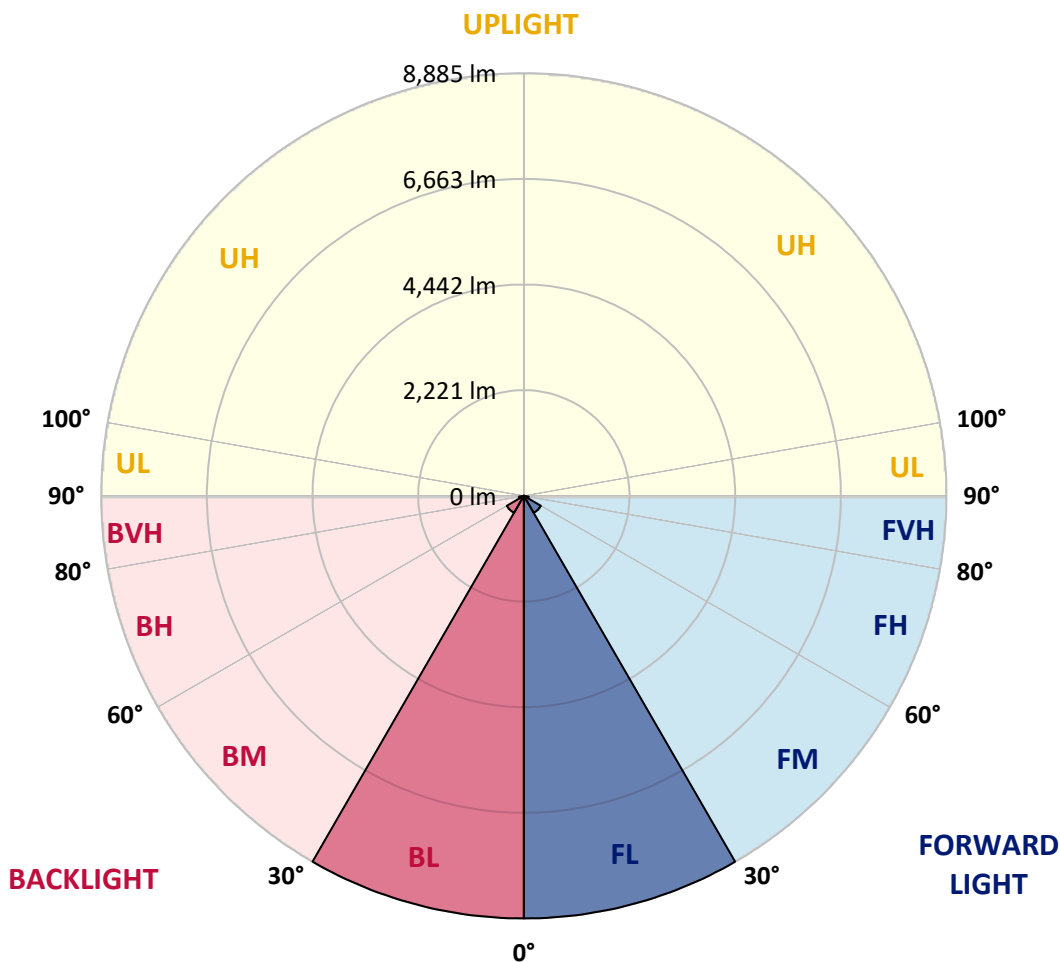


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8884.6	47.2			
FM (30°-60°)	414.3	2.2			
FH (60°-80°)	102.0	0.5			G0/660
FVH (80°-90°)	14.0	0.1			G1/100
BL (0°-30°)	8884.6	47.2	B5		
BM (30°-60°)	414.3	2.2	B1/1000		
BH (60°-80°)	102.0	0.5	B0/110		G0/660
BVH (80°-90°)	14.0	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°	268018.7	268018.7	268018.7	268018.7	268018.7	268018.7	268018.7	268018.7	268018.7	268018.7
1°	261364.5	261720.0	261324.2	263323.2	264148.3	264577.6	264627.9	265754.8	264886.1	265127.6
2°	247589.7	248381.3	247056.5	248337.7	250900.1	251869.4	250289.7	252241.7	251544.1	251949.9
3°	224444.0	225413.3	223582.1	225148.4	228445.3	229183.2	226593.9	229367.6	229297.2	229880.8
4°	194610.5	196183.5	193567.4	195422.2	196881.1	199450.3	196941.5	200097.6	200037.2	201050.1
5°	160745.5	162446.0	160172.0	162097.2	163479.0	164434.9	163515.9	167007.4	167228.7	168275.2
6°	127608.3	129194.8	126655.8	128493.8	130683.9	131076.3	130838.2	133843.4	134510.8	133695.8
7°	98207.5	98603.2	98204.1	99874.4	101631.9	101695.6	102004.2	104647.1	105234.0	104952.3
8°	75212.7	73401.5	74957.8	75843.2	76386.6	78881.9	79066.4	80397.9	81477.9	81555.0
9°	57252.2	55575.2	57376.3	57728.5	58976.1	61193.1	60914.7	62370.3	63047.8	63004.2
10°	43648.5	42796.6	43698.8	44087.9	45114.2	46992.4	47317.7	47985.2	48488.3	48817.0
12.5°	23685.7	23883.6	24406.8	24816.0	26197.8	26697.6	26898.8	26955.8	26952.5	27006.1
15°	14713.8	14874.8	15240.4	15981.6	16823.5	17444.0	17531.2	17209.2	16930.8	16887.2
17.5°	9176.5	9112.7	9971.3	10783.0	11795.9	12117.9	11782.5	11413.5	11034.5	10816.5
20°	5507.2	5550.8	5842.6	6204.8	7023.2	7580.0	7231.1	6855.5	6463.1	6204.8
22.5°	3129.2	3176.2	3303.7	3491.5	3803.4	4309.8	4088.5	3709.5	3431.1	3317.1
25°	1848.0	1848.0	1925.2	2009.0	2139.8	2257.2	2210.3	2009.0	1844.7	1797.7
27.5°	1197.4	1187.3	1214.1	1254.4	1314.8	1321.5	1267.8	1207.4	1123.6	1093.4
30°	875.4	878.7	875.4	892.2	888.8	865.3	831.8	835.1	801.6	798.2
32.5°	711.0	714.4	714.4	711.0	694.3	657.4	633.9	657.4	650.7	644.0
35°	590.3	593.7	627.2	623.8	597.0	556.8	540.0	566.8	586.9	556.8
37.5°	509.8	513.2	540.0	553.4	519.9	493.0	472.9	496.4	526.6	493.0
40°	449.4	452.8	459.5	462.8	446.1	432.7	422.6	429.3	442.7	426.0
42.5°	395.8	392.4	395.8	392.4	372.3	379.0	372.3	362.2	372.3	358.9
45°	345.5	345.5	345.5	335.4	315.3	328.7	322.0	311.9	315.3	305.2
47.5°	315.3	315.3	315.3	301.9	285.1	285.1	288.4	271.7	275.0	271.7
50°	285.1	285.1	291.8	278.4	265.0	254.9	258.3	244.8	248.2	244.8
52.5°	261.6	261.6	261.6	254.9	244.8	238.1	231.4	224.7	221.4	218.0
55°	251.5	251.5	248.2	228.1	224.7	218.0	204.6	201.2	194.5	191.2
57.5°	234.8	234.8	231.4	214.7	201.2	201.2	181.1	177.8	167.7	167.7
60°	207.9	207.9	204.6	201.2	184.5	174.4	161.0	154.3	144.2	140.9
62.5°	197.9	197.9	191.2	174.4	171.1	154.3	140.9	127.5	120.7	114.0
65°	184.5	181.1	177.8	161.0	147.6	137.5	120.7	104.0	97.3	83.8
67.5°	164.3	164.3	161.0	147.6	134.2	117.4	100.6	87.2	70.4	60.4
70°	144.2	140.9	140.9	127.5	117.4	104.0	80.5	67.1	50.3	40.2
72.5°	120.7	120.7	117.4	107.3	100.6	90.6	70.4	53.7	33.5	26.8
75°	97.3	97.3	93.9	87.2	83.8	73.8	60.4	47.0	26.8	13.4
77.5°	80.5	77.1	77.1	70.4	67.1	60.4	50.3	36.9	20.1	10.1
80°	60.4	60.4	63.7	60.4	53.7	50.3	43.6	33.5	16.8	6.7
82.5°	43.6	43.6	47.0	47.0	47.0	43.6	43.6	33.5	16.8	3.4
85°	30.2	30.2	36.9	33.5	33.5	36.9	53.7	43.6	13.4	3.4
87.5°	16.8	16.8	16.8	13.4	13.4	16.8	20.1	16.8	6.7	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
268018.7  
263353.4  
250501.0  
228314.5  
199272.5  
166276.2  
133779.6  
104566.6  
80582.4  
64030.6  
49011.5  
27049.7  
16753.1  
10783.0  
6261.9  
3330.5  
1791.0  
1093.4  
794.9  
630.5  
550.1  
489.7  
419.2  
358.9  
305.2  
271.7  
244.8  
218.0  
187.8  
167.7  
134.2  
110.7  
80.5  
60.4  
40.2  
23.5  
13.4  
6.7  
3.4  
3.4  
3.4  
3.4  
0.0

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