

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: P636168

Luminaire Tested: **IFLD-S-SA6B-930-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636168  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-930-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (96) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20443.8 lumens  
Efficiency: N/A  
Efficacy: 83.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

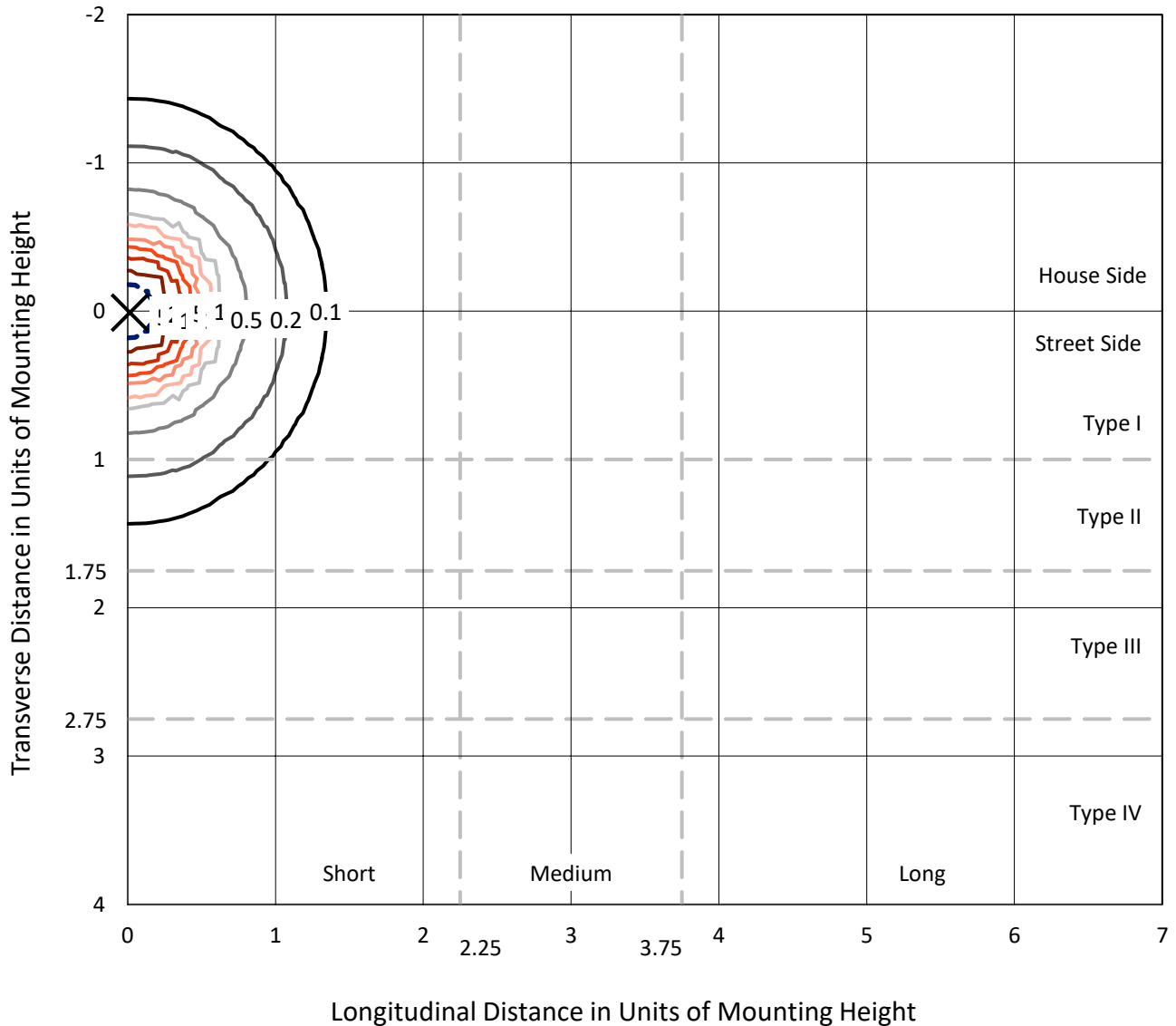
Input Watts (W): 244.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

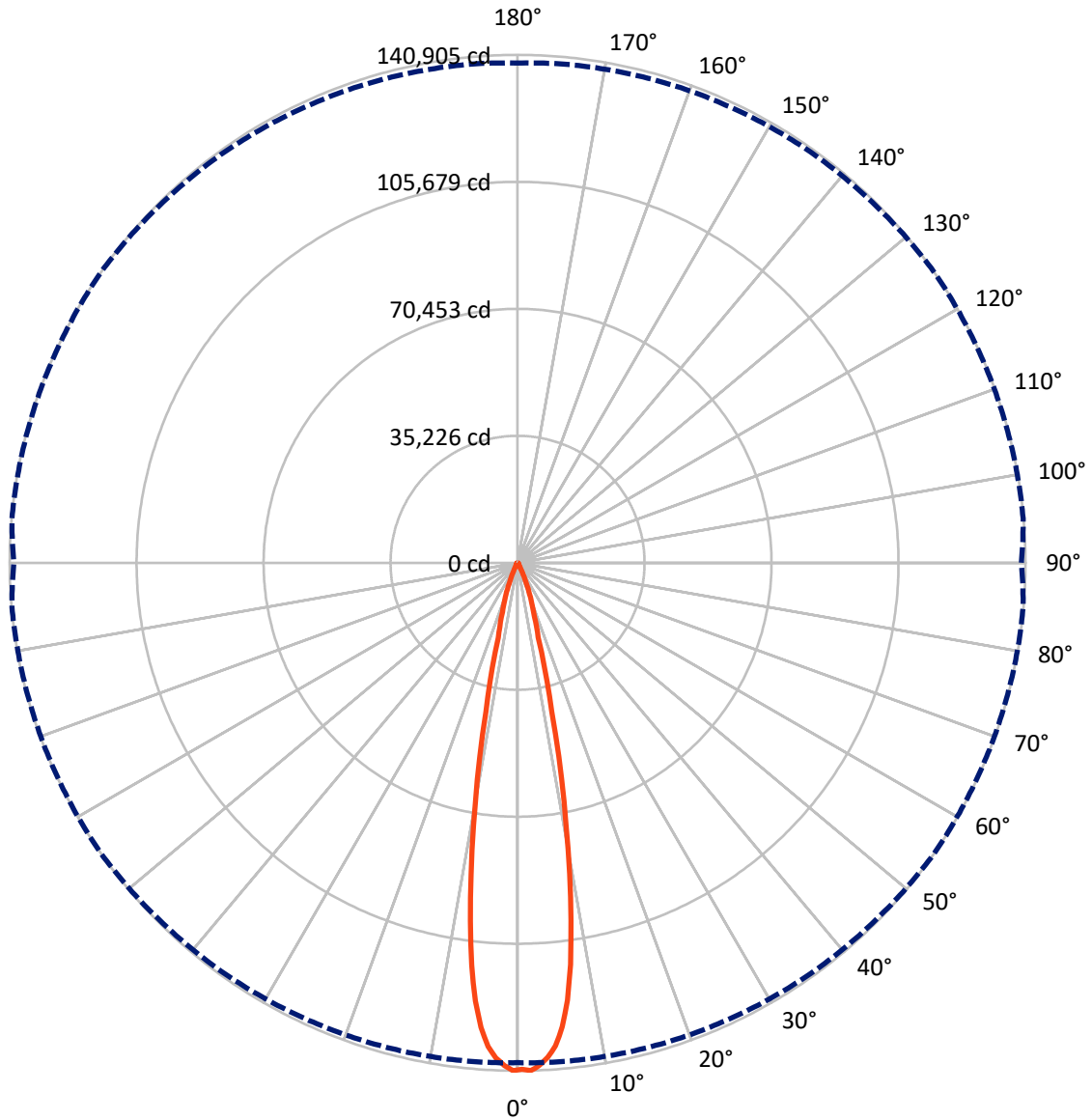
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 351.4 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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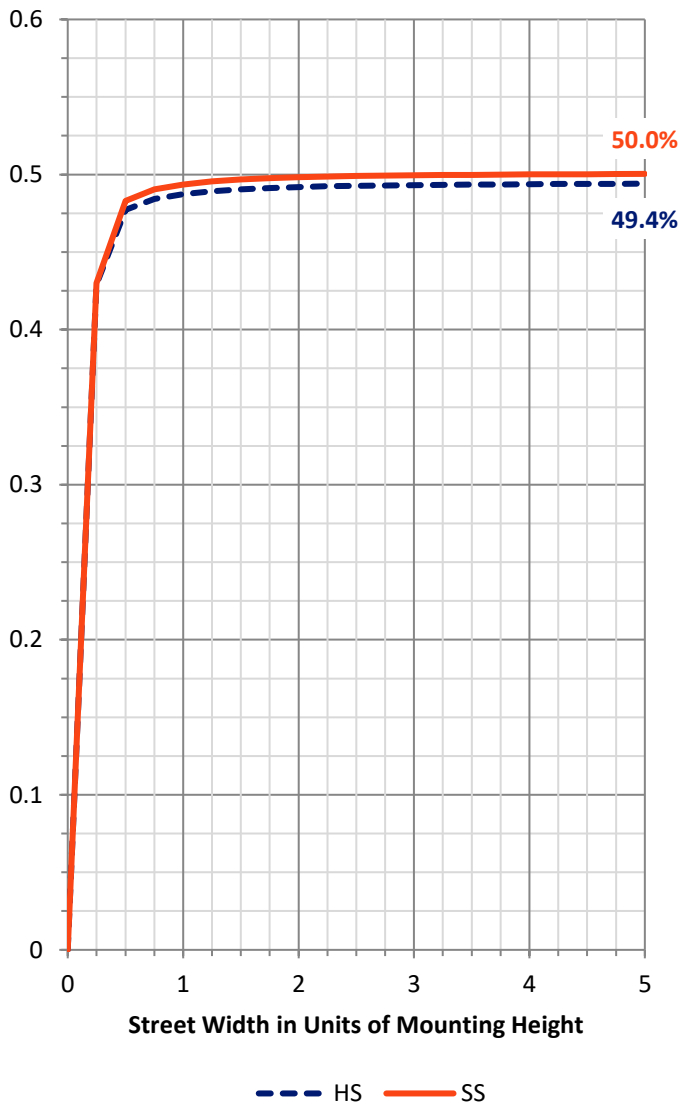
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10221.9	0.0	10221.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10221.9	0.0	10221.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20443.8	0.0	20443.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10387.0	50.8
10°-20°	7361.4	36.0
20°-30°	1724.9	8.4
30°-40°	360.5	1.8
40°-50°	232.6	1.1
50°-60°	172.3	0.8
60°-70°	117.1	0.6
70°-80°	62.5	0.3
80°-90°	25.6	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°	20443.8	100.0
0°-180°	20443.8	100.0

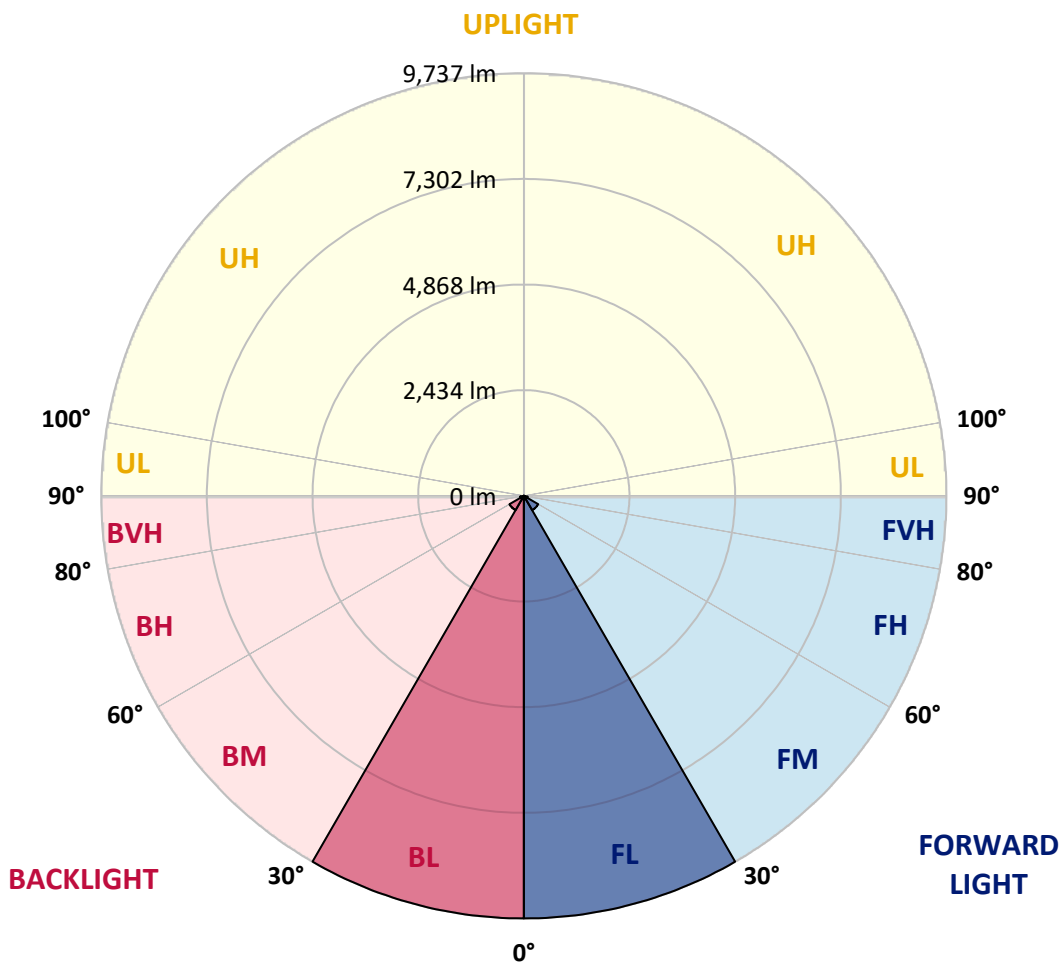


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9736.6	47.6			
FM (30°-60°)	382.7	1.9			
FH (60°-80°)	89.8	0.4			G0/660
FVH (80°-90°)	12.8	0.1			G1/100
BL (0°-30°)	9736.6	47.6	B5		
BM (30°-60°)	382.7	1.9	B1/1000		
BH (60°-80°)	89.8	0.4	B0/110		G0/660
BVH (80°-90°)	12.8	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°	140543.4	140543.4	140543.4	140543.4	140543.4	140543.4	140543.4	140543.4	140543.4	140543.4
1°	138652.6	138909.3	139223.8	139509.4	139939.7	140290.4	140905.0	140774.8	140756.8	140782.1
2°	135966.3	136288.1	136772.5	137058.1	138168.1	138623.6	139552.8	139827.6	139607.0	139856.5
3°	131942.3	132206.2	132965.5	133525.9	134964.8	136194.1	137437.8	137849.9	137593.2	137708.9
4°	127151.8	127423.0	128341.3	129483.8	131562.7	132925.7	134415.3	134784.0	133945.2	134003.1
5°	121450.2	121576.8	122701.2	123742.4	126229.9	127882.1	129295.8	129411.5	128645.0	128352.1
6°	115036.4	114808.7	115842.7	116283.8	119375.0	121059.8	122093.8	121960.0	121377.9	121128.5
7°	107415.1	107104.1	107939.3	107700.7	110437.6	111399.3	112393.5	111938.0	111475.2	112050.1
8°	98597.0	98423.4	97884.7	98860.9	99403.2	100263.7	100260.1	99996.2	99981.7	100939.8
9°	85776.6	87378.2	86904.6	87927.8	87790.4	87750.6	87486.7	87316.8	86593.7	87696.4
10°	71698.0	72746.5	73545.5	75071.2	74774.8	75194.2	73726.3	73975.8	73494.9	74406.0
12.5°	37112.6	38291.2	38981.8	40146.0	41425.8	42734.6	42311.6	41874.2	41219.8	42022.4
15°	18268.9	18735.3	18955.8	20138.1	21049.2	21378.2	21428.8	21041.9	20875.6	21049.2
17.5°	11211.5	11374.2	12014.1	13373.6	14161.7	14357.0	14230.4	13807.4	13333.8	13134.9
20°	8116.7	8163.7	8405.9	8669.9	9721.9	10271.5	10069.0	9653.3	9215.8	9009.7
22.5°	5300.3	5347.3	5426.8	5571.4	5853.4	6533.1	6312.6	6030.6	5734.1	5672.6
25°	3000.8	3000.8	3084.0	3232.2	3441.9	3492.5	3535.9	3235.8	3098.4	3037.0
27.5°	1674.0	1684.8	1702.9	1760.7	1865.6	1854.7	1807.7	1728.2	1634.2	1536.6
30°	925.6	936.4	947.2	961.7	979.8	947.2	918.3	903.9	864.1	853.2
32.5°	694.2	694.2	701.4	697.8	679.7	639.9	621.9	643.6	639.9	621.9
35°	571.2	571.2	578.5	592.9	556.8	527.9	513.4	542.3	542.3	531.5
37.5°	466.4	470.0	473.6	491.7	480.9	448.3	444.7	451.9	455.5	451.9
40°	408.5	404.9	404.9	408.5	401.3	394.1	386.9	383.2	386.9	383.2
42.5°	354.3	350.7	357.9	350.7	336.2	339.9	339.9	329.0	332.6	325.4
45°	310.9	307.3	310.9	303.7	292.9	296.5	296.5	282.0	282.0	278.4
47.5°	274.8	274.8	274.8	278.4	260.3	256.7	260.3	256.7	245.9	242.2
50°	238.6	242.2	245.9	253.1	235.0	227.8	227.8	227.8	220.5	216.9
52.5°	220.5	224.2	224.2	224.2	213.3	206.1	206.1	202.5	198.8	195.2
55°	213.3	213.3	213.3	198.8	195.2	191.6	180.8	177.2	173.5	173.5
57.5°	202.5	202.5	198.8	188.0	177.2	177.2	162.7	159.1	155.5	155.5
60°	180.8	180.8	180.8	177.2	162.7	159.1	144.6	137.4	133.8	133.8
62.5°	166.3	166.3	166.3	151.8	148.2	137.4	126.5	115.7	112.1	104.8
65°	151.8	151.8	151.8	137.4	130.2	119.3	104.8	94.0	86.8	75.9
67.5°	141.0	141.0	137.4	126.5	115.7	101.2	86.8	75.9	61.5	54.2
70°	122.9	122.9	119.3	112.1	101.2	90.4	72.3	57.8	47.0	36.2
72.5°	104.8	104.8	101.2	94.0	86.8	75.9	61.5	50.6	32.5	25.3
75°	86.8	86.8	83.2	75.9	72.3	65.1	54.2	39.8	25.3	10.8
77.5°	72.3	72.3	68.7	65.1	61.5	54.2	47.0	32.5	18.1	7.2
80°	54.2	57.8	57.8	57.8	50.6	47.0	43.4	32.5	14.5	3.6
82.5°	39.8	43.4	43.4	43.4	39.8	36.2	39.8	28.9	14.5	3.6
85°	28.9	28.9	32.5	32.5	32.5	32.5	43.4	32.5	10.8	3.6
87.5°	14.5	14.5	14.5	14.5	14.5	18.1	21.7	18.1	7.2	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°  
140543.4  
*139773.4*  
138909.3  
136841.2  
133142.6  
127741.1  
120568.1  
111872.9  
98282.4  
85639.2  
72070.4  
39849.5  
20239.3  
12856.5  
8850.6  
5546.1  
2986.4  
1540.2  
853.2  
611.0  
527.9  
451.9  
386.9  
329.0  
278.4  
242.2  
213.3  
191.6  
169.9  
155.5  
130.2  
97.6  
75.9  
50.6  
36.2  
21.7  
10.8  
3.6  
3.6  
3.6  
3.6  
0.0  
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