

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: P635983

Luminaire Tested: **IFLD-S-SA2A-927-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P635983  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-927-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (32) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5553.9 lumens  
Efficiency: N/A  
Efficacy: 87.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

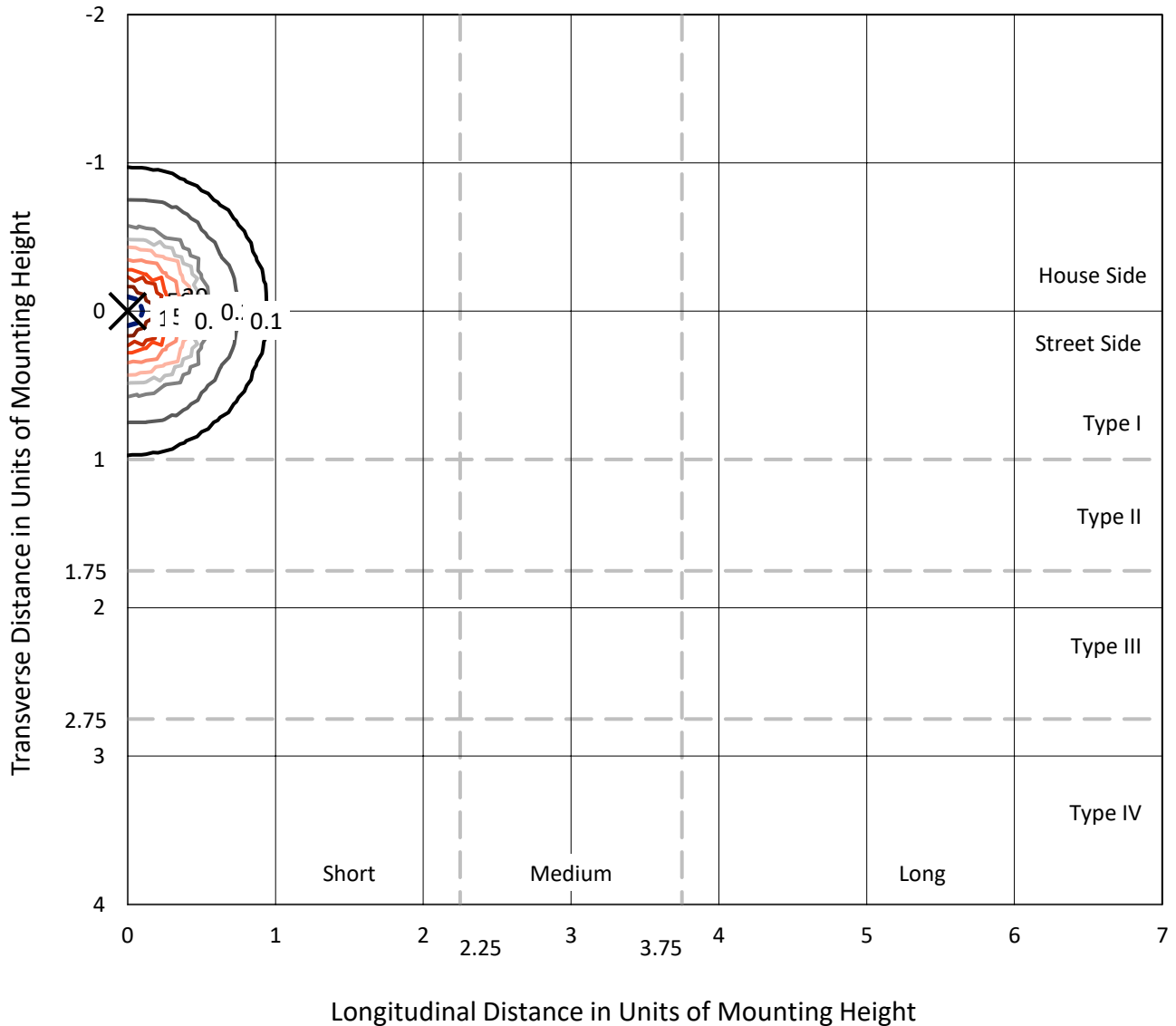
Input Watts (W): 63.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

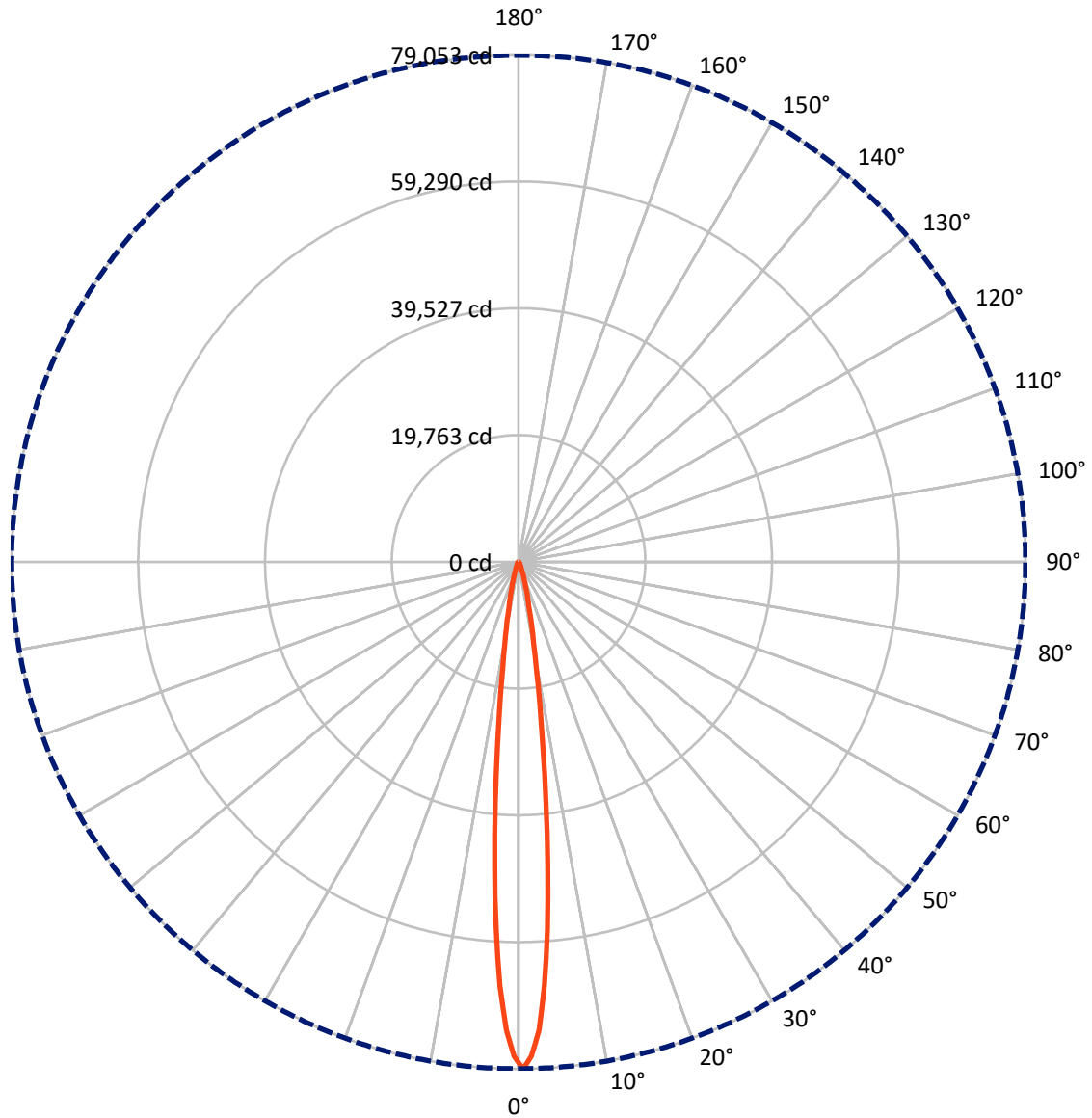
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 197.6 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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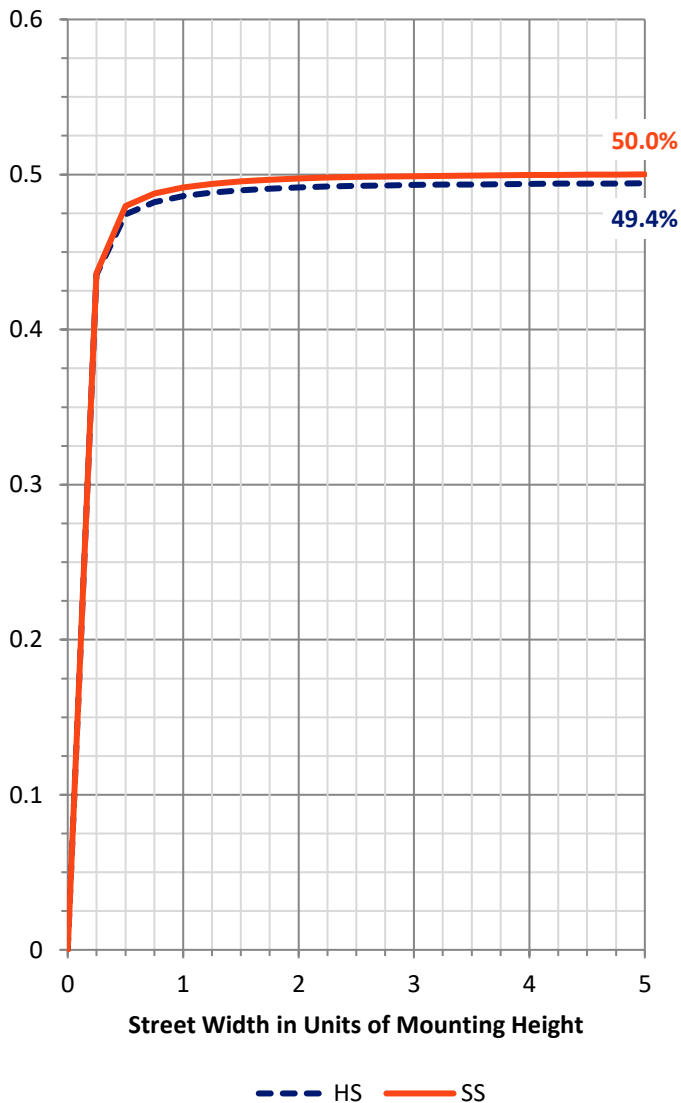
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2777.0	0.0	2777.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2777.0	0.0	2777.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5553.9	0.0	5553.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3385.6	61.0
10°-20°	1516.8	27.3
20°-30°	338.7	6.1
30°-40°	110.6	2.0
40°-50°	76.2	1.4
50°-60°	57.6	1.0
60°-70°	39.4	0.7
70°-80°	20.8	0.4
80°-90°	8.3	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°	5553.9	100.0
0°-180°	5553.9	100.0

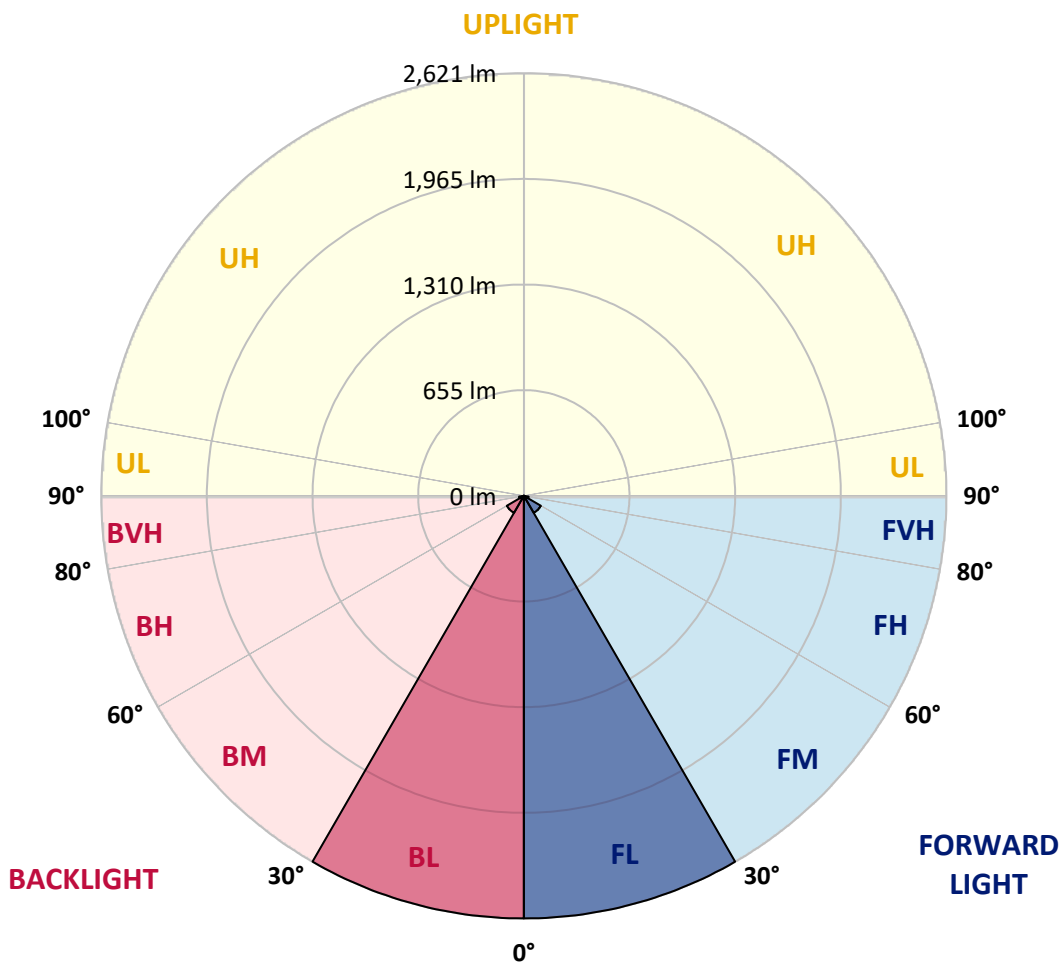


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2620.5	47.2			
FM (30°-60°)	122.2	2.2			
FH (60°-80°)	30.1	0.5			G0/660
FVH (80°-90°)	4.1	0.1			G0/10
BL (0°-30°)	2620.5	47.2	B4/5000		
BM (30°-60°)	122.2	2.2	B0/220		
BH (60°-80°)	30.1	0.5	B0/110		G0/660
BVH (80°-90°)	4.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	79053.2	79053.2	79053.2	79053.2	79053.2	79053.2	79053.2	79053.2	79053.2	79053.2
1°	77090.5	77195.4	77078.7	77668.3	77911.6	78038.3	78053.1	78385.5	78129.3	78200.5
2°	73027.6	73261.1	72870.3	73248.2	74004.0	74289.9	73824.0	74399.7	74194.0	74313.7
3°	66200.7	66486.6	65946.5	66408.4	67380.9	67598.5	66834.8	67652.9	67632.2	67804.3
4°	57401.2	57865.1	57093.5	57640.6	58070.9	58828.7	58088.7	59019.6	59001.8	59300.6
5°	47412.6	47914.1	47243.4	47811.2	48218.8	48500.7	48229.7	49259.5	49324.8	49633.5
6°	37638.6	38106.5	37357.7	37899.8	38545.8	38661.5	38591.3	39477.7	39674.5	39434.1
7°	28966.7	29083.4	28965.7	29458.4	29976.7	29995.5	30086.6	30866.1	31039.2	30956.1
8°	22184.3	21650.1	22109.1	22370.3	22530.5	23266.5	23321.0	23713.7	24032.2	24055.0
9°	16886.8	16392.1	16923.4	17027.2	17395.3	18049.2	17967.1	18396.4	18596.2	18583.4
10°	12874.3	12623.0	12889.1	13003.9	13306.6	13860.6	13956.6	14153.4	14301.8	14398.8
12.5°	6986.2	7044.6	7198.9	7319.6	7727.2	7874.6	7933.9	7950.7	7949.7	7965.6
15°	4339.9	4387.4	4495.2	4713.9	4962.2	5145.2	5170.9	5075.9	4993.8	4981.0
17.5°	2706.6	2687.8	2941.1	3180.5	3479.2	3574.2	3475.3	3366.5	3254.7	3190.4
20°	1624.4	1637.2	1723.3	1830.1	2071.5	2235.7	2132.9	2022.1	1906.3	1830.1
22.5°	923.0	936.8	974.4	1029.8	1121.8	1271.2	1205.9	1094.1	1012.0	978.4
25°	545.1	545.1	567.8	592.6	631.2	665.8	651.9	592.6	544.1	530.2
27.5°	353.2	350.2	358.1	370.0	387.8	389.8	373.9	356.1	331.4	322.5
30°	258.2	259.2	258.2	263.1	262.2	255.2	245.3	246.3	236.4	235.4
32.5°	209.7	210.7	210.7	209.7	204.8	193.9	187.0	193.9	191.9	189.9
35°	174.1	175.1	185.0	184.0	176.1	164.2	159.3	167.2	173.1	164.2
37.5°	150.4	151.4	159.3	163.2	153.3	145.4	139.5	146.4	155.3	145.4
40°	132.6	133.6	135.5	136.5	131.6	127.6	124.6	126.6	130.6	125.6
42.5°	116.7	115.7	116.7	115.7	109.8	111.8	109.8	106.8	109.8	105.9
45°	101.9	101.9	101.9	98.9	93.0	96.9	95.0	92.0	93.0	90.0
47.5°	93.0	93.0	93.0	89.0	84.1	84.1	85.1	80.1	81.1	80.1
50°	84.1	84.1	86.1	82.1	78.2	75.2	76.2	72.2	73.2	72.2
52.5°	77.2	77.2	77.2	75.2	72.2	70.2	68.3	66.3	65.3	64.3
55°	74.2	74.2	73.2	67.3	66.3	64.3	60.3	59.4	57.4	56.4
57.5°	69.2	69.2	68.3	63.3	59.4	59.4	53.4	52.4	49.5	49.5
60°	61.3	61.3	60.3	59.4	54.4	51.4	47.5	45.5	42.5	41.5
62.5°	58.4	58.4	56.4	51.4	50.5	45.5	41.5	37.6	35.6	33.6
65°	54.4	53.4	52.4	47.5	43.5	40.6	35.6	30.7	28.7	24.7
67.5°	48.5	48.5	47.5	43.5	39.6	34.6	29.7	25.7	20.8	17.8
70°	42.5	41.5	41.5	37.6	34.6	30.7	23.7	19.8	14.8	11.9
72.5°	35.6	35.6	34.6	31.7	29.7	26.7	20.8	15.8	9.9	7.9
75°	28.7	28.7	27.7	25.7	24.7	21.8	17.8	13.8	7.9	4.0
77.5°	23.7	22.8	22.8	20.8	19.8	17.8	14.8	10.9	5.9	3.0
80°	17.8	17.8	18.8	17.8	15.8	14.8	12.9	9.9	4.9	2.0
82.5°	12.9	12.9	13.8	13.8	13.8	12.9	12.9	9.9	4.9	1.0
85°	8.9	8.9	10.9	9.9	9.9	10.9	15.8	12.9	4.0	1.0
87.5°	4.9	4.9	4.9	4.0	4.0	4.9	5.9	4.9	2.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
79053.2  
77677.2  
73886.3  
67342.3  
58776.3  
49043.9  
39458.9  
30842.3  
23768.1  
18886.1  
14456.1  
7978.4  
4941.4  
3180.5  
1847.0  
982.3  
528.3  
322.5  
234.5  
186.0  
162.2  
144.4  
123.7  
105.9  
90.0  
80.1  
72.2  
64.3  
55.4  
49.5  
39.6  
32.6  
23.7  
17.8  
11.9  
6.9  
4.0  
2.0  
1.0  
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1.0  
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