

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: McGRAW-EDISON

Report Number: P950084

Luminaire Tested: **GALN-SB4C-927-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950084  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB4C-927-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

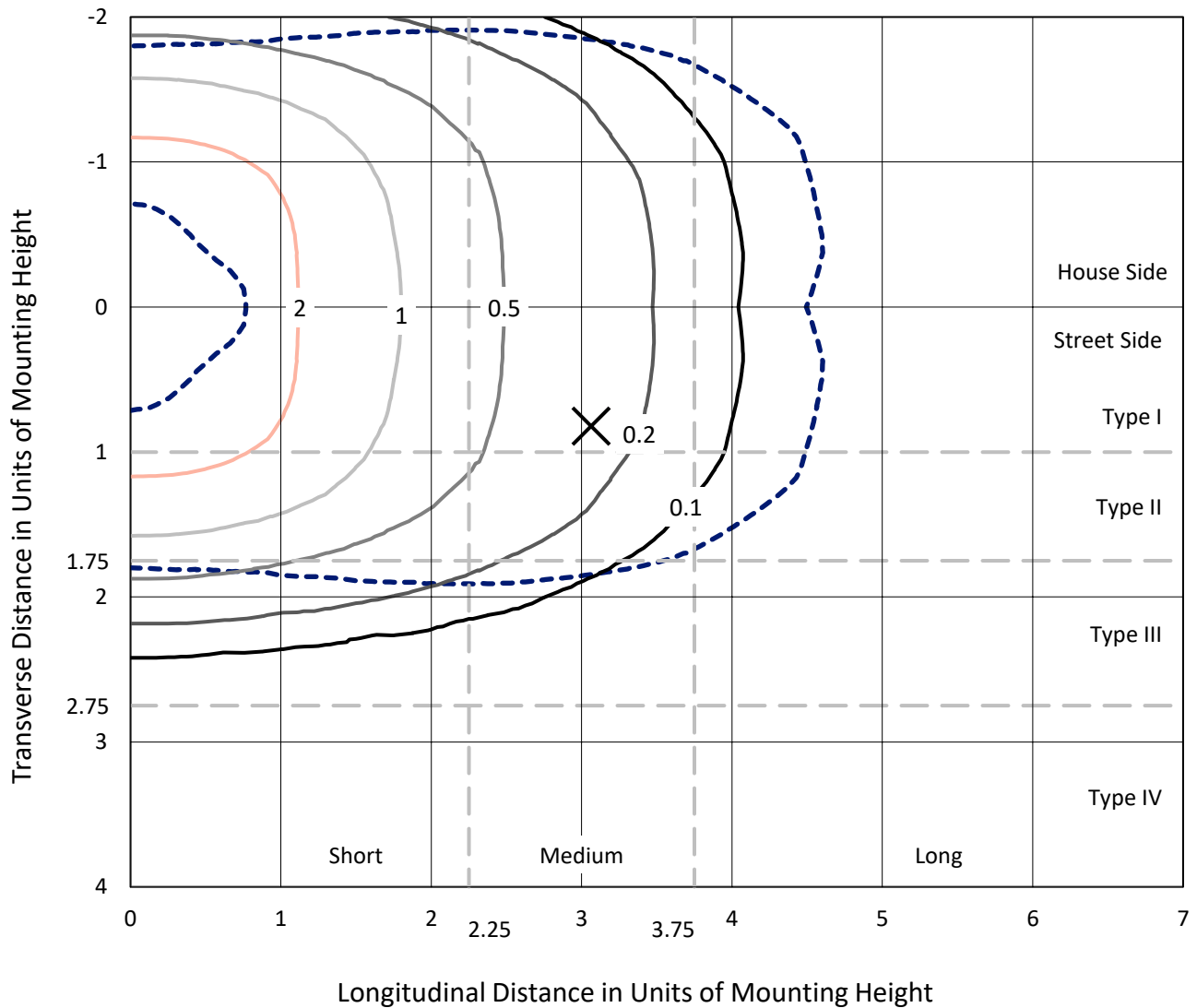
Lumens per Lamp: N/A  
Luminaire Lumens: 18813 lumens  
Efficiency: N/A  
Efficacy: 93.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

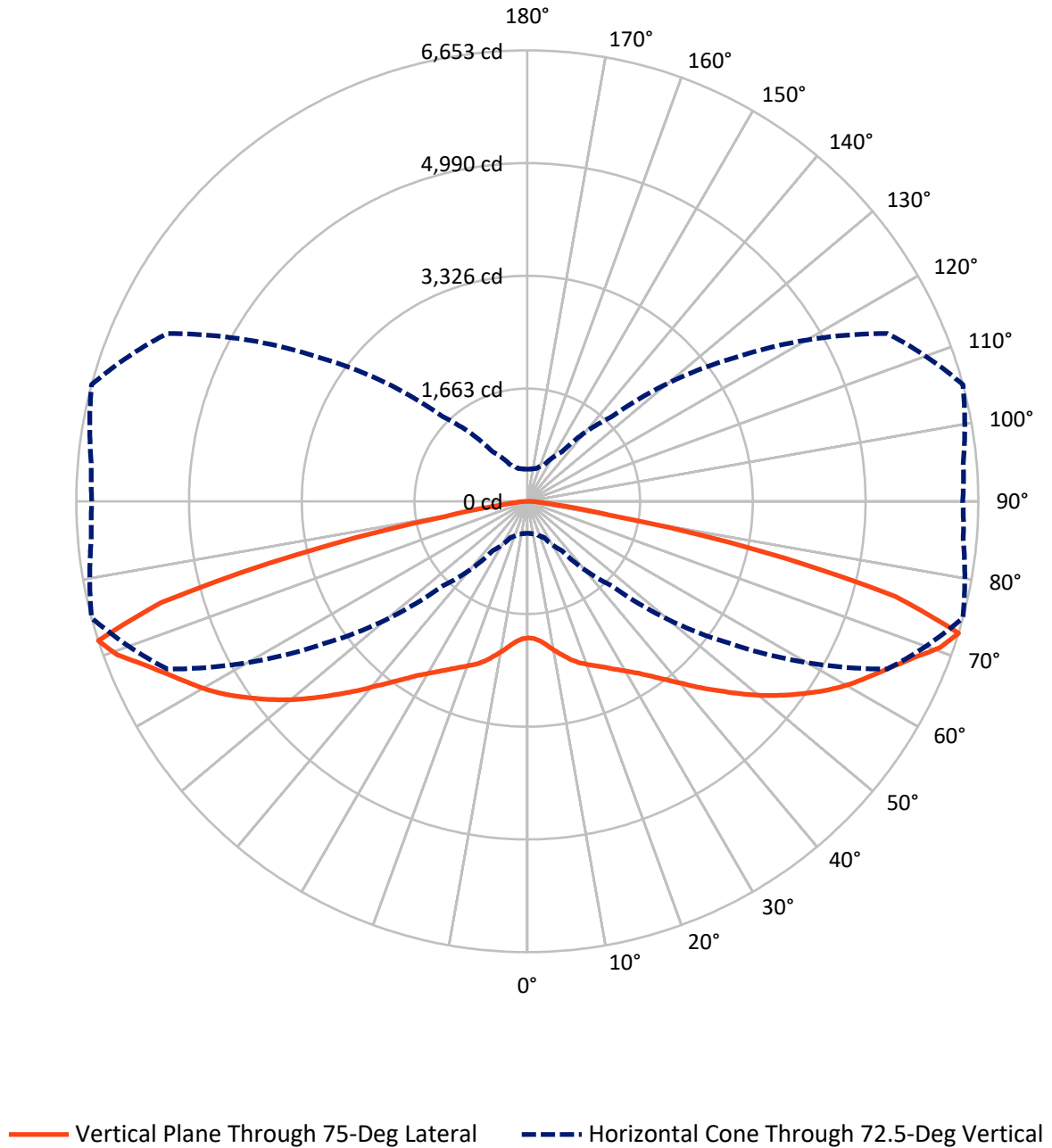
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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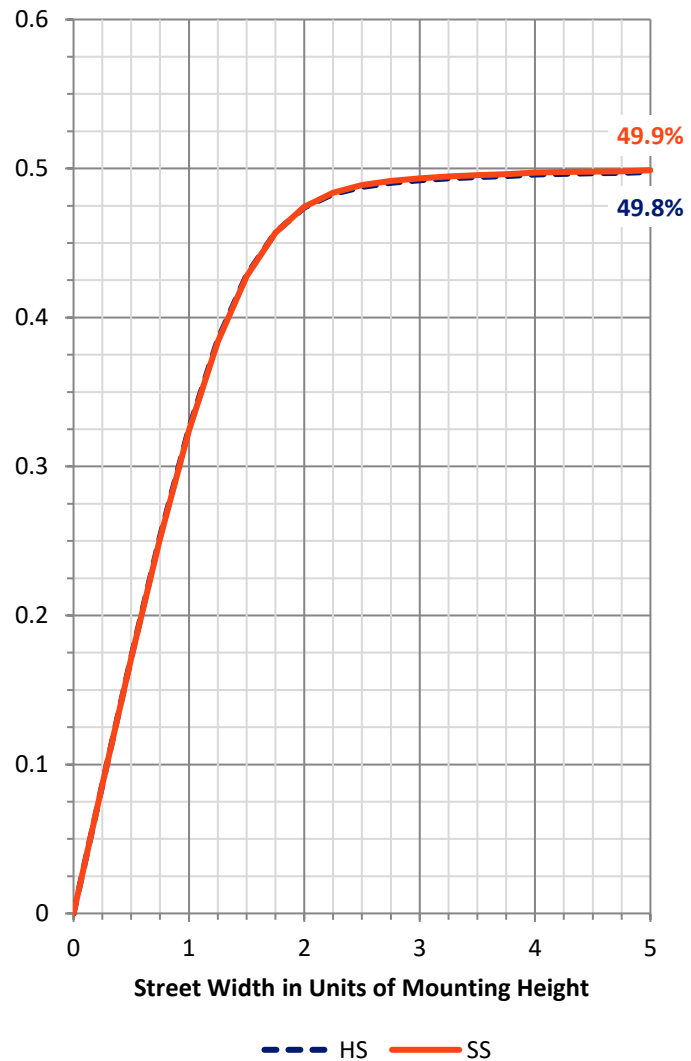
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9406.5	0.0	9406.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9406.5	0.0	9406.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18813.0	0.0	18813.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	197.4	1.0
10°-20°	651.1	3.5
20°-30°	1258.1	6.7
30°-40°	2124.4	11.3
40°-50°	3369.0	17.9
50°-60°	4510.7	24.0
60°-70°	4292.7	22.8
70°-80°	2240.0	11.9
80°-90°	169.6	0.9
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°	18813.0	100.0
0°-180°	18813.0	100.0

**Coefficient of Utilization**



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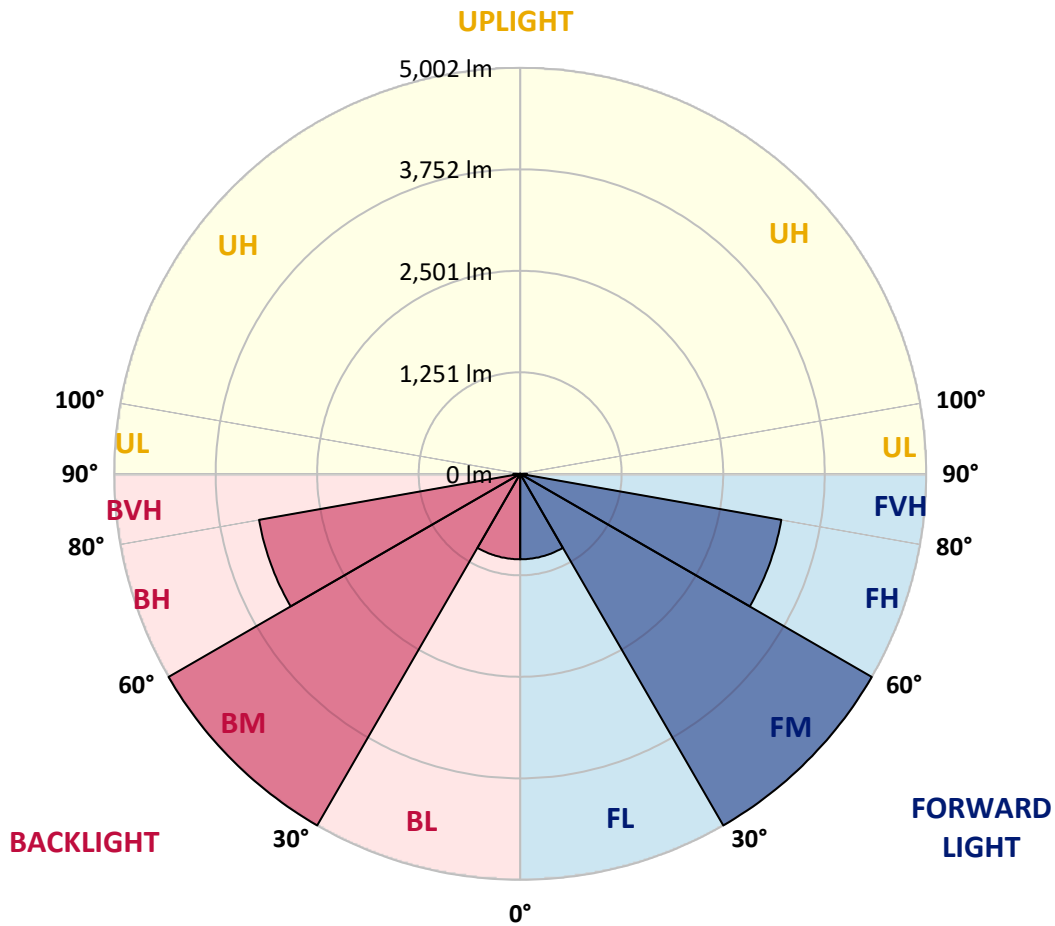
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1053.3	5.6			
FM (30°-60°)	5002.0	26.6			
FH (60°-80°)	3266.4	17.4			G2/5000
FVH (80°-90°)	84.8	0.5			G1/100
BL (0°-30°)	1053.3	5.6	B3/2500		
BM (30°-60°)	5002.0	26.6	B4/8500		
BH (60°-80°)	3266.4	17.4	B4/5000		G4/5000
BVH (80°-90°)	84.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2015.2	2015.2	2015.2	2015.2	2015.2	2015.2	2015.2	2015.2	2015.2	2015.2
2.5°	2015.2	2013.3	2015.2	2017.1	2016.2	2016.2	2021.0	2023.9	2029.6	2028.7
5°	2001.8	2000.8	2008.5	2017.1	2023.9	2035.4	2049.8	2060.4	2073.8	2076.7
7.5°	1995.0	1992.2	2005.6	2021.0	2042.1	2070.9	2098.8	2127.6	2150.6	2158.3
10°	1999.8	2000.8	2019.1	2047.9	2081.5	2121.8	2161.2	2210.2	2242.9	2250.5
12.5°	2021.9	2020.0	2050.7	2096.9	2143.0	2193.9	2240.0	2293.8	2329.3	2347.6
15°	2062.3	2058.4	2101.7	2169.9	2237.1	2296.6	2334.1	2385.0	2426.3	2449.4
17.5°	2110.3	2112.2	2168.9	2257.3	2345.6	2412.9	2448.4	2474.3	2506.0	2526.2
20°	2194.8	2198.7	2262.1	2366.8	2467.6	2544.5	2573.3	2563.7	2572.3	2587.7
22.5°	2308.2	2310.1	2381.2	2494.5	2600.2	2684.7	2703.9	2664.5	2640.5	2651.1
25°	2439.8	2452.3	2523.3	2639.6	2748.1	2828.8	2837.4	2777.9	2718.3	2721.2
27.5°	2600.2	2611.7	2683.7	2799.0	2909.5	2979.6	2978.6	2898.9	2811.5	2789.4
30°	2774.0	2786.5	2860.5	2979.6	3082.4	3143.8	3130.4	3035.3	2910.4	2869.1
32.5°	2980.5	2988.2	3063.2	3182.3	3277.4	3326.3	3298.5	3181.3	3025.7	2978.6
35°	3230.3	3241.8	3297.5	3409.9	3493.5	3533.8	3486.8	3348.4	3173.6	3120.8
37.5°	3515.6	3507.9	3571.3	3671.2	3740.3	3765.3	3701.0	3536.7	3342.7	3280.2
40°	3813.3	3809.5	3878.7	3974.7	4012.2	4027.5	3932.4	3752.8	3537.7	3470.4
42.5°	4083.2	4080.4	4173.5	4280.2	4325.3	4308.0	4187.9	3982.4	3763.4	3686.5
45°	4299.4	4295.5	4409.8	4559.7	4648.0	4619.2	4457.9	4236.0	3992.0	3912.3
47.5°	4465.5	4467.5	4590.4	4775.8	4930.4	4941.0	4733.5	4494.4	4243.7	4153.4
50°	4585.6	4591.4	4723.0	4928.5	5139.8	5233.0	5015.0	4759.5	4504.0	4402.1
52.5°	4615.4	4626.0	4784.4	5025.5	5274.3	5452.0	5301.2	5014.0	4750.8	4653.8
55°	4456.9	4478.0	4678.8	5017.9	5356.9	5596.1	5552.9	5272.4	4999.6	4899.7
57.5°	4092.9	4122.6	4357.0	4799.8	5338.7	5695.0	5747.9	5520.2	5248.4	5152.3
60°	3582.8	3618.3	3843.1	4326.3	5081.2	5731.5	5885.2	5761.3	5477.0	5383.8
62.5°	2813.4	2859.5	3128.5	3695.2	4537.6	5561.5	6002.4	5979.4	5682.5	5566.3
65°	1804.9	1853.8	2137.2	2806.7	3812.4	5040.9	6038.9	6191.6	5899.6	5737.3
67.5°	1088.3	1110.4	1250.6	1701.1	2786.5	4256.1	5729.6	6427.0	6153.2	5951.5
70°	696.4	708.9	792.4	999.0	1575.3	3105.4	4963.1	6471.1	6460.6	6171.5
72.5°	472.6	476.4	498.5	591.7	891.4	1764.5	3660.6	5858.3	6652.7	6454.8
75°	345.8	366.9	402.5	418.8	506.2	881.8	2097.8	4115.9	5606.7	5693.1
77.5°	257.4	258.4	307.4	326.6	361.2	469.7	887.5	2297.6	3481.0	3654.8
80°	218.0	206.5	205.6	263.2	271.8	293.0	396.7	793.4	1246.8	755.9
82.5°	181.5	169.1	152.7	205.6	185.4	179.6	171.9	322.7	396.7	195.0
85°	126.8	121.0	115.3	134.5	105.7	90.3	82.6	150.8	167.1	82.6
87.5°	54.8	56.7	57.6	59.6	44.2	31.7	31.7	42.3	42.3	32.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2015.2
2027.7
2076.7
2160.3
2258.2
2355.2
2458.0
2535.8
2599.2
2658.8
2726.0
2796.1
2873.9
2990.2
3128.5
3291.8
3492.5
3705.8
3930.5
4180.3
4432.9
4678.8
4927.6
5174.4
5404.0
5579.8
5757.5
5966.9
6169.5
6424.1
5483.7
3260.1
571.5
166.2
73.0
24.0
0.0

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