

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: P636173

Luminaire Tested: **IFLD-M-SA4B-930-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636173  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4B-930-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (64) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13988.3 lumens  
Efficiency: N/A  
Efficacy: 84.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

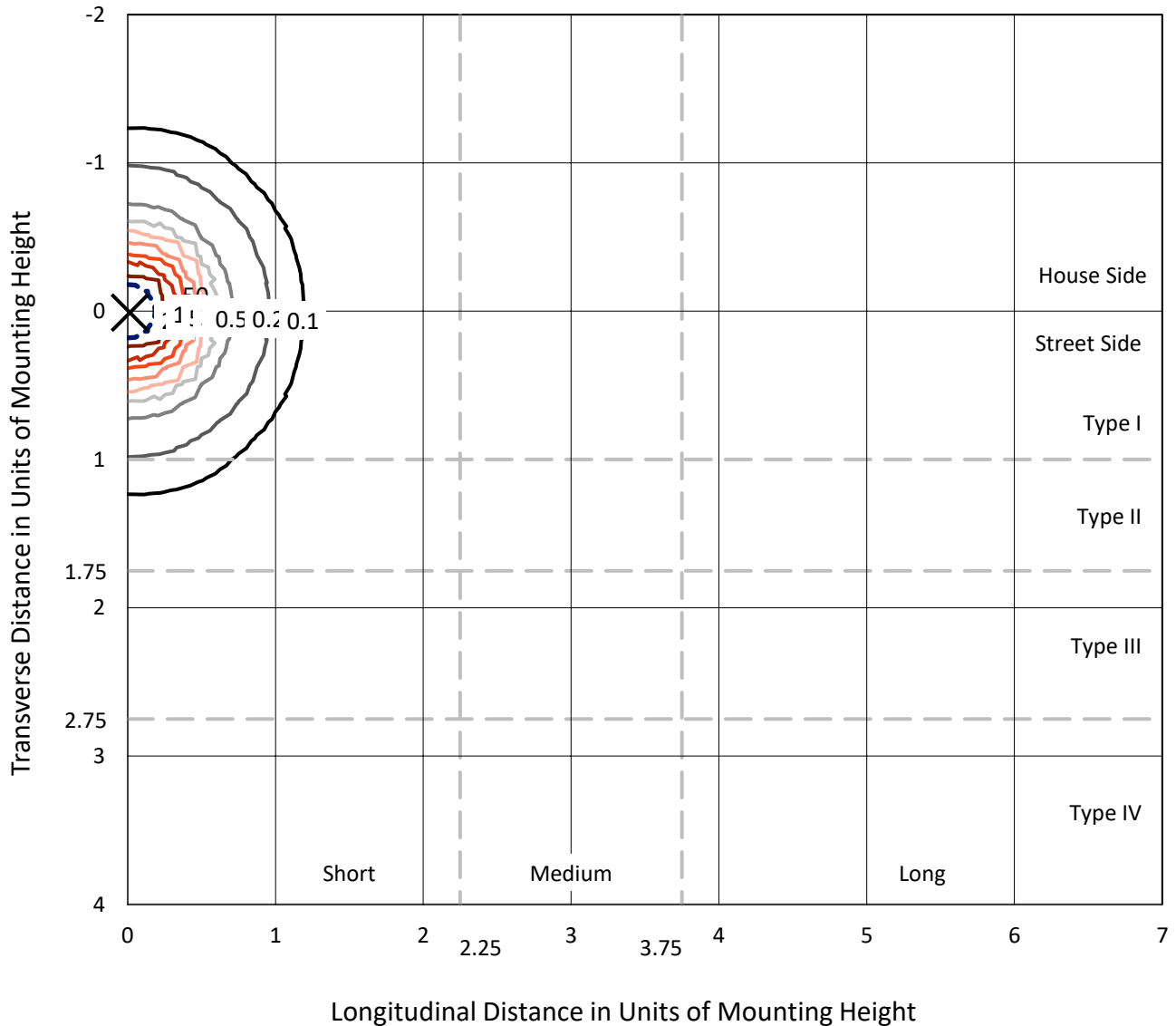
Input Watts (W): 166.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

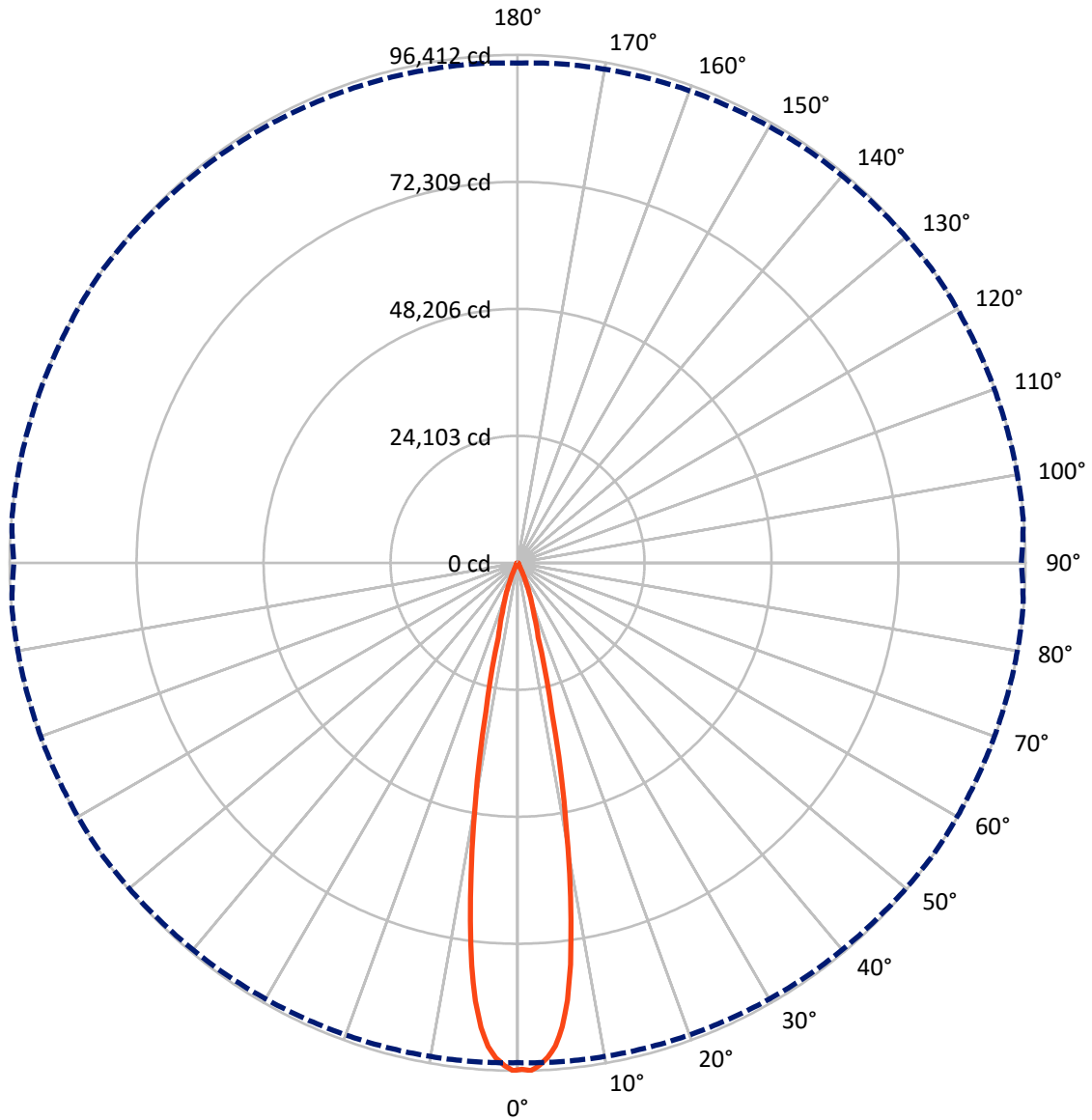
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 240.4 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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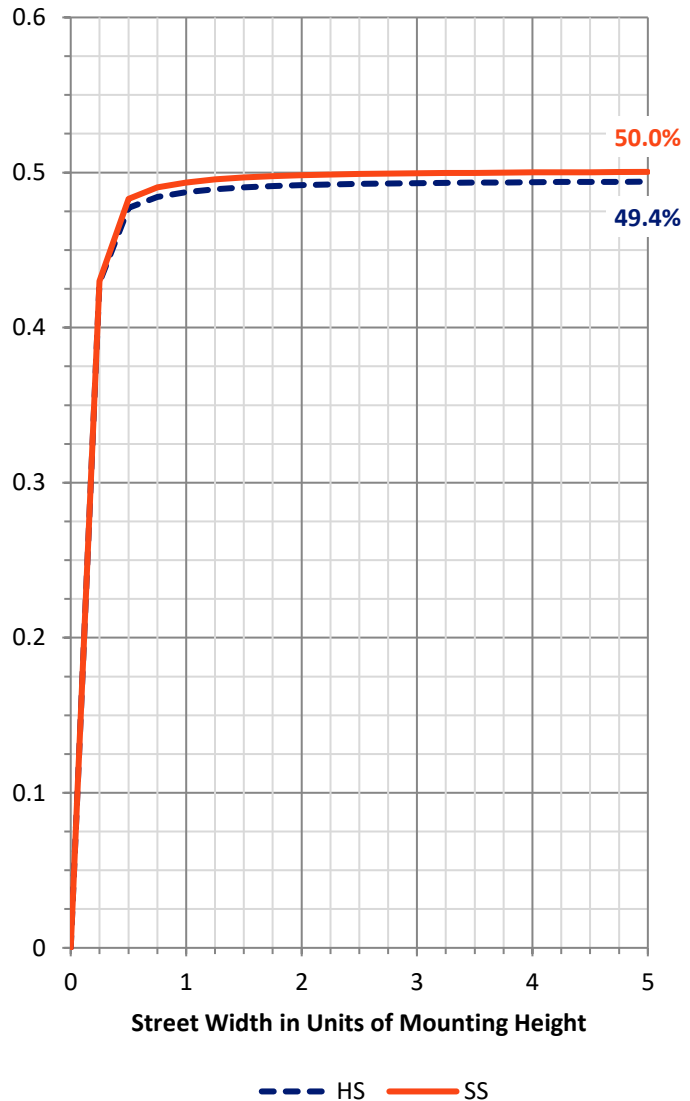
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6994.1	0.0	6994.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6994.1	0.0	6994.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13988.3	0.0	13988.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7107.1	50.8
10°-20°	5036.9	36.0
20°-30°	1180.2	8.4
30°-40°	246.7	1.8
40°-50°	159.1	1.1
50°-60°	117.9	0.8
60°-70°	80.1	0.6
70°-80°	42.8	0.3
80°-90°	17.5	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°	13988.3	100.0
0°-180°	13988.3	100.0

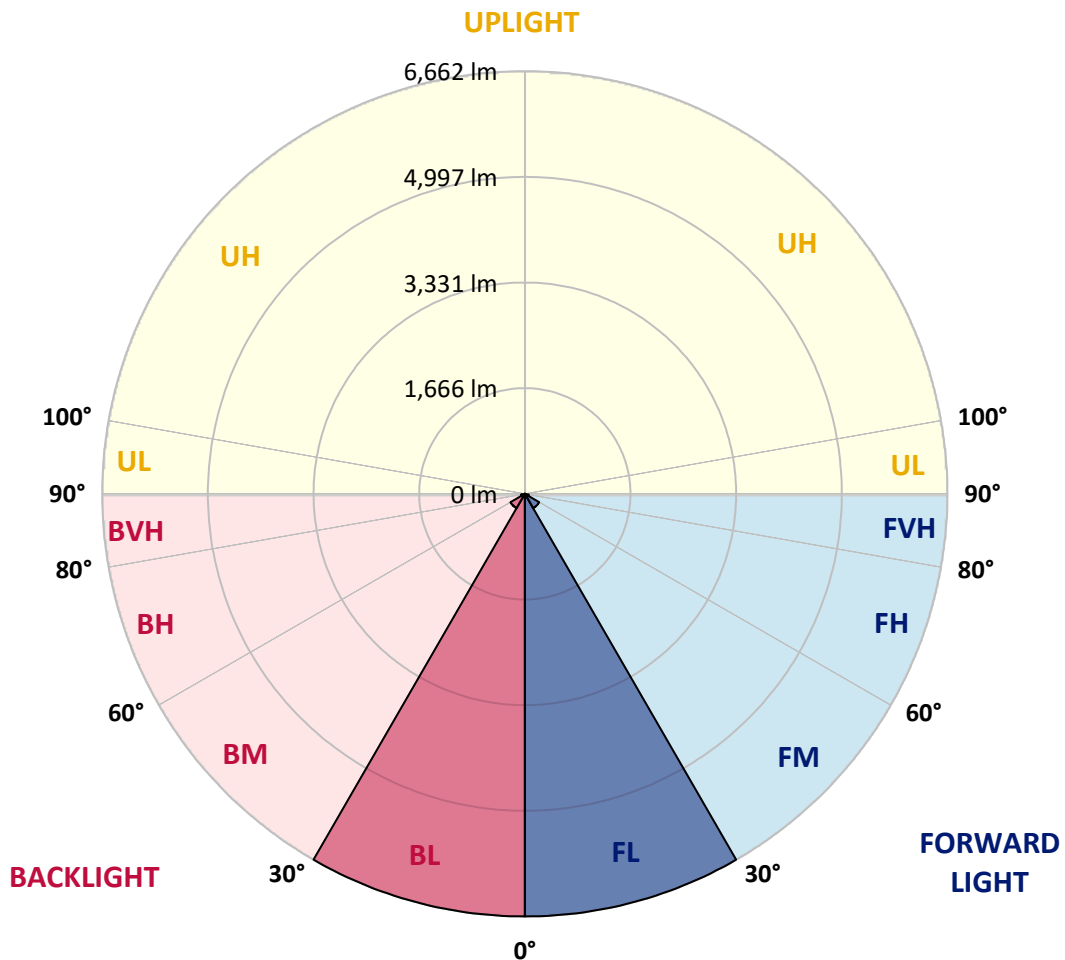


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6662.1	47.6			
FM (30°-60°)	261.8	1.9			
FH (60°-80°)	61.4	0.4			G0/660
FVH (80°-90°)	8.8	0.1			G0/10
BL (0°-30°)	6662.1	47.6	B5		
BM (30°-60°)	261.8	1.9	B1/1000		
BH (60°-80°)	61.4	0.4	B0/110		G0/660
BVH (80°-90°)	8.8	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°	96164.3	96164.3	96164.3	96164.3	96164.3	96164.3	96164.3	96164.3	96164.3	96164.3
1°	94870.5	95046.2	95261.4	95456.8	95751.2	95991.2	96411.7	96322.7	96310.3	96327.6
2°	93032.5	93252.7	93584.2	93779.6	94539.0	94850.7	95486.5	95674.5	95523.6	95694.3
3°	90279.1	90459.7	90979.2	91362.7	92347.2	93188.3	94039.3	94321.3	94145.7	94224.9
4°	87001.3	87186.9	87815.2	88597.0	90019.4	90952.0	91971.2	92223.6	91649.6	91689.2
5°	83100.2	83186.7	83956.1	84668.5	86370.5	87501.1	88468.3	88547.5	88023.0	87822.7
6°	78711.6	78555.8	79263.3	79565.1	81680.2	82833.0	83540.5	83449.0	83050.7	82880.0
7°	73496.8	73284.1	73855.5	73692.3	75564.9	76223.0	76903.3	76591.6	76274.9	76668.3
8°	67463.2	67344.5	66975.9	67643.8	68014.9	68603.6	68601.2	68420.6	68410.7	69066.2
9°	58691.1	59787.0	59462.9	60163.0	60069.0	60041.8	59861.2	59744.9	59250.2	60004.7
10°	49058.1	49775.5	50322.2	51366.1	51163.3	51450.3	50445.9	50616.6	50287.6	50911.0
12.5°	25393.6	26200.1	26672.6	27469.2	28344.9	29240.4	28951.0	28651.6	28203.9	28753.1
15°	12500.2	12819.3	12970.2	13779.1	14402.5	14627.6	14662.3	14397.6	14283.8	14402.5
17.5°	7671.3	7782.6	8220.5	9150.6	9689.9	9823.5	9736.9	9447.5	9123.4	8987.3
20°	5553.7	5585.9	5751.6	5932.2	6652.1	7028.1	6889.6	6605.1	6305.7	6164.7
22.5°	3626.6	3658.8	3713.2	3812.1	4005.1	4470.2	4319.3	4126.3	3923.5	3881.4
25°	2053.3	2053.3	2110.2	2211.6	2355.1	2389.7	2419.4	2214.1	2120.1	2078.0
27.5°	1145.4	1152.8	1165.2	1204.7	1276.5	1269.1	1236.9	1182.5	1118.2	1051.4
30°	633.3	640.7	648.1	658.0	670.4	648.1	628.3	618.5	591.2	583.8
32.5°	475.0	475.0	479.9	477.4	465.1	437.9	425.5	440.3	437.9	425.5
35°	390.9	390.9	395.8	405.7	381.0	361.2	351.3	371.1	371.1	363.6
37.5°	319.1	321.6	324.1	336.4	329.0	306.8	304.3	309.2	311.7	309.2
40°	279.5	277.1	277.1	279.5	274.6	269.6	264.7	262.2	264.7	262.2
42.5°	242.4	240.0	244.9	240.0	230.1	232.5	232.5	225.1	227.6	222.6
45°	212.7	210.3	212.7	207.8	200.4	202.9	202.9	193.0	193.0	190.5
47.5°	188.0	188.0	188.0	190.5	178.1	175.6	178.1	175.6	168.2	165.7
50°	163.3	165.7	168.2	173.2	160.8	155.8	155.8	155.8	150.9	148.4
52.5°	150.9	153.4	153.4	153.4	146.0	141.0	141.0	138.5	136.1	133.6
55°	146.0	146.0	146.0	136.1	133.6	131.1	123.7	121.2	118.7	118.7
57.5°	138.5	138.5	136.1	128.6	121.2	121.2	111.3	108.8	106.4	106.4
60°	123.7	123.7	123.7	121.2	111.3	108.8	99.0	94.0	91.5	91.5
62.5°	113.8	113.8	113.8	103.9	101.4	94.0	86.6	79.2	76.7	71.7
65°	103.9	103.9	103.9	94.0	89.1	81.6	71.7	64.3	59.4	51.9
67.5°	96.5	96.5	94.0	86.6	79.2	69.3	59.4	51.9	42.1	37.1
70°	84.1	84.1	81.6	76.7	69.3	61.8	49.5	39.6	32.2	24.7
72.5°	71.7	71.7	69.3	64.3	59.4	51.9	42.1	34.6	22.3	17.3
75°	59.4	59.4	56.9	51.9	49.5	44.5	37.1	27.2	17.3	7.4
77.5°	49.5	49.5	47.0	44.5	42.1	37.1	32.2	22.3	12.4	4.9
80°	37.1	39.6	39.6	39.6	34.6	32.2	29.7	22.3	9.9	2.5
82.5°	27.2	29.7	29.7	29.7	27.2	24.7	27.2	19.8	9.9	2.5
85°	19.8	19.8	22.3	22.3	22.3	22.3	29.7	22.3	7.4	2.5
87.5°	9.9	9.9	9.9	9.9	9.9	12.4	14.8	12.4	4.9	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°  
96164.3  
*95637.4*  
95046.2  
93631.2  
91100.4  
87404.6  
82496.5  
76547.0  
67248.0  
58597.1  
49312.9  
27266.3  
13848.4  
8796.9  
6055.9  
3794.8  
2043.4  
1053.8  
583.8  
418.1  
361.2  
309.2  
264.7  
225.1  
190.5  
165.7  
146.0  
131.1  
116.3  
106.4  
89.1  
66.8  
51.9  
34.6  
24.7  
14.8  
7.4  
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