

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: P636071

Luminaire Tested: **IFLD-S-SA2B-940-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636071  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-940-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (32) 4000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7839.8 lumens  
Efficiency: N/A  
Efficacy: 95.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

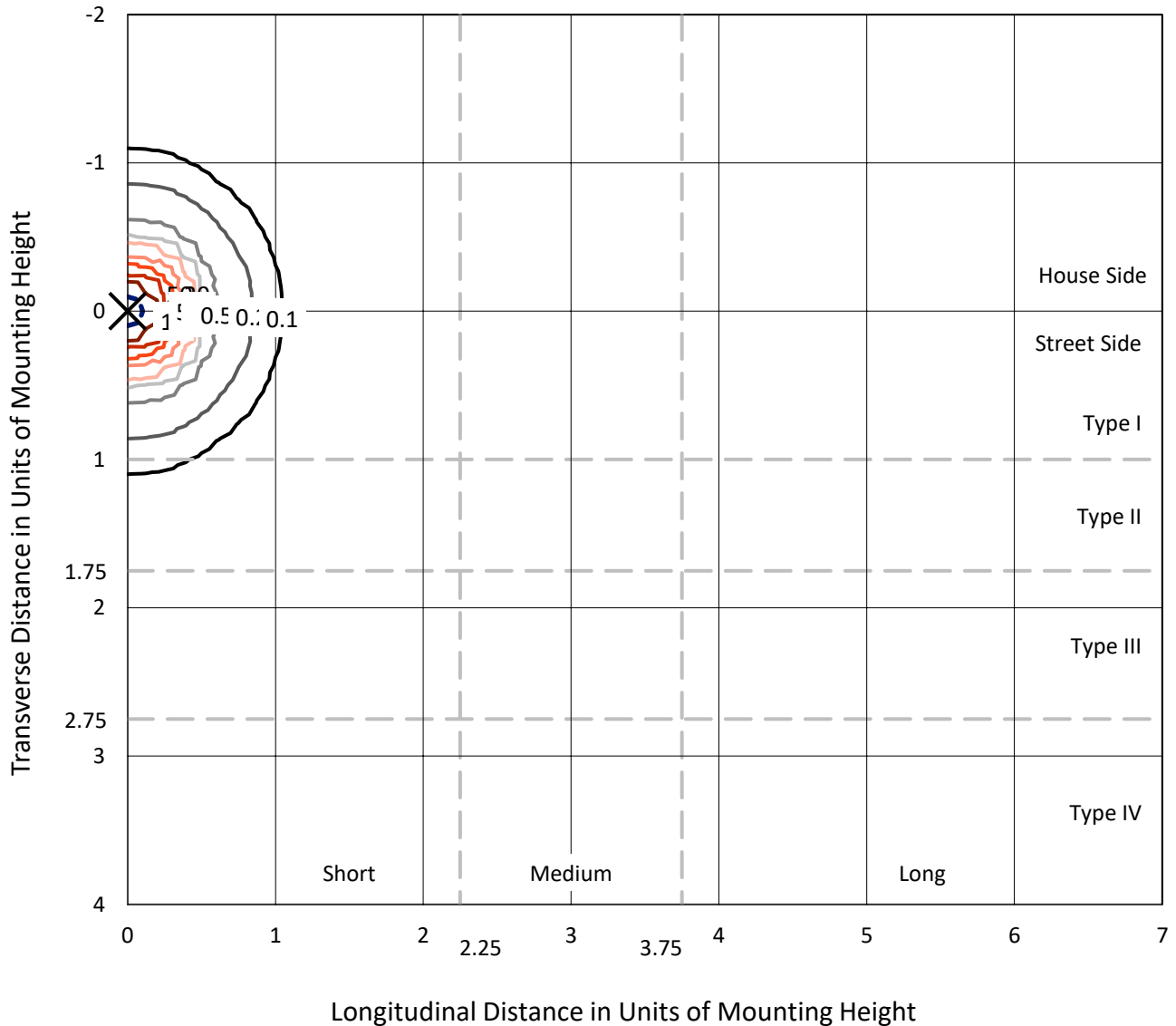
Input Watts (W): 82.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

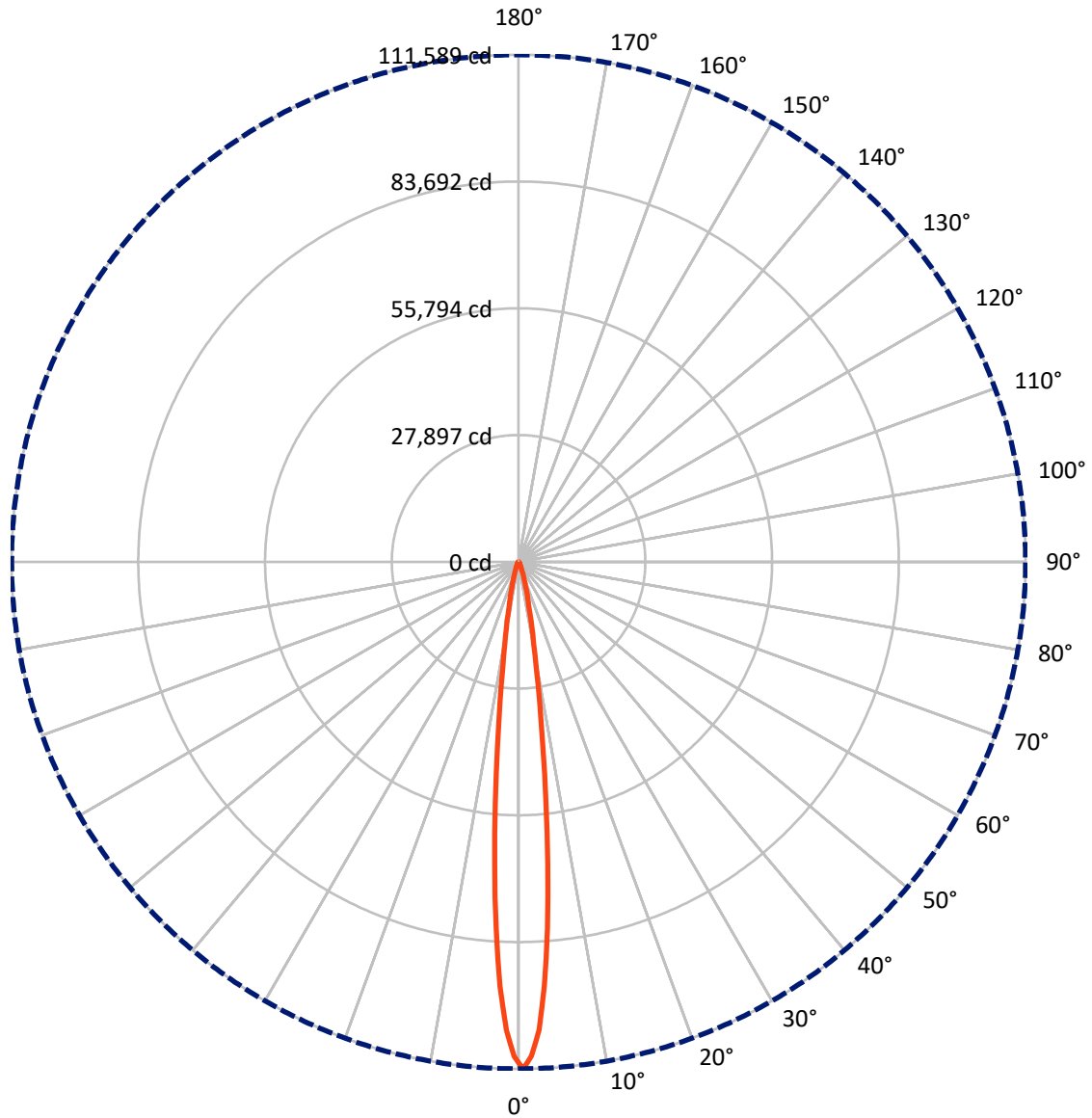
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 279 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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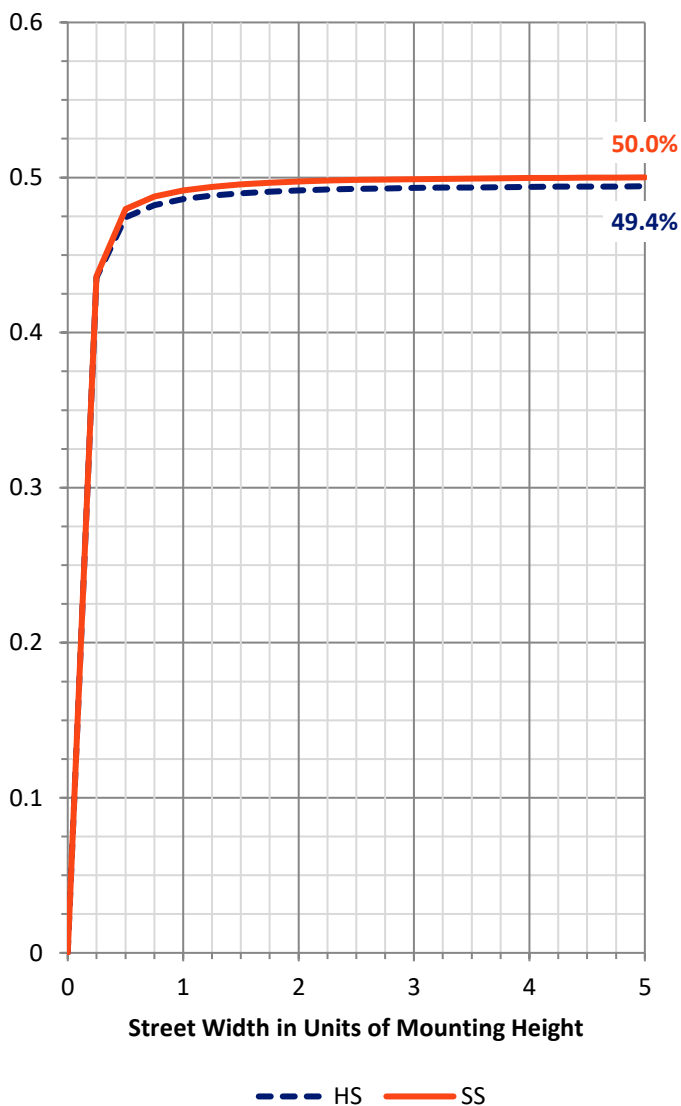
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3919.9	0.0	3919.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3919.9	0.0	3919.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7839.8	0.0	7839.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4779.0	61.0
10°-20°	2141.0	27.3
20°-30°	478.1	6.1
30°-40°	156.1	2.0
40°-50°	107.6	1.4
50°-60°	81.3	1.0
60°-70°	55.6	0.7
70°-80°	29.3	0.4
80°-90°	11.7	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°	7839.8	100.0
0°-180°	7839.8	100.0

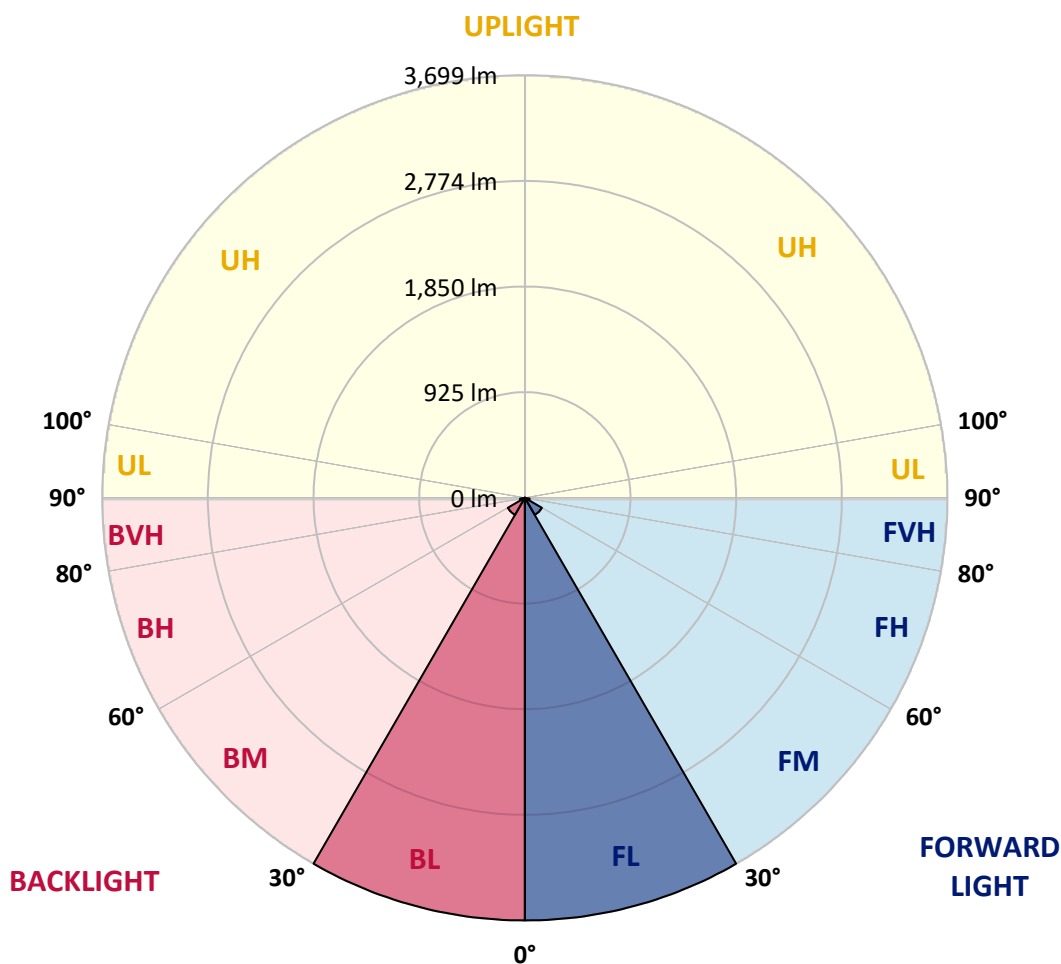


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3699.1	47.2			
FM (30°-60°)	172.5	2.2			
FH (60°-80°)	42.5	0.5			G0/660
FVH (80°-90°)	5.9	0.1			G0/10
BL (0°-30°)	3699.1	47.2	B4/5000		
BM (30°-60°)	172.5	2.2	B0/220		
BH (60°-80°)	42.5	0.5	B0/110		G0/660
BVH (80°-90°)	5.9	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°	111588.8	111588.8	111588.8	111588.8	111588.8	111588.8	111588.8	111588.8	111588.8	111588.8
1°	108818.3	108966.3	108801.5	109633.8	109977.3	110156.1	110177.0	110646.2	110284.5	110385.1
2°	103083.2	103412.8	102861.2	103394.6	104461.5	104865.0	104207.3	105020.1	104729.6	104898.6
3°	93446.6	93850.1	93087.7	93739.8	95112.5	95419.7	94341.7	95496.5	95467.2	95710.2
4°	81025.5	81680.4	80591.2	81363.4	81970.9	83040.5	81996.0	83310.0	83284.9	83706.6
5°	66925.9	67633.9	66687.1	67488.7	68064.0	68462.0	68079.3	69533.0	69625.2	70060.8
6°	53129.3	53789.8	52732.8	53498.0	54409.8	54573.2	54474.1	55725.3	56003.2	55663.8
7°	40888.4	41053.2	40887.0	41582.4	42314.1	42340.6	42469.1	43569.5	43813.9	43696.6
8°	31314.6	30560.5	31208.4	31577.1	31803.3	32842.2	32919.0	33473.4	33923.1	33955.2
9°	23836.8	23138.6	23888.4	24035.1	24554.5	25477.6	25361.7	25967.7	26249.8	26231.6
10°	18172.9	17818.2	18193.9	18355.9	18783.2	19565.1	19700.6	19978.5	20187.9	20324.8
12.5°	9861.5	9943.9	10161.7	10332.1	10907.4	11115.4	11199.2	11223.0	11221.6	11243.9
15°	6126.1	6193.1	6345.3	6653.9	7004.4	7262.7	7299.1	7165.0	7049.1	7030.9
17.5°	3820.6	3794.1	4151.5	4489.5	4911.2	5045.2	4905.6	4752.0	4594.2	4503.4
20°	2292.9	2311.1	2432.6	2583.4	2924.1	3155.9	3010.7	2854.3	2690.9	2583.4
22.5°	1302.9	1322.4	1375.5	1453.7	1583.5	1794.4	1702.2	1544.4	1428.5	1381.1
25°	769.4	769.4	801.5	836.5	890.9	939.8	920.2	836.5	768.0	748.5
27.5°	498.5	494.3	505.5	522.3	547.4	550.2	527.8	502.7	467.8	455.2
30°	364.5	365.9	364.5	371.4	370.0	360.3	346.3	347.7	333.7	332.3
32.5°	296.0	297.4	297.4	296.0	289.1	273.7	263.9	273.7	270.9	268.1
35°	245.8	247.2	261.1	259.7	248.6	231.8	224.8	236.0	244.4	231.8
37.5°	212.3	213.7	224.8	230.4	216.4	205.3	196.9	206.7	219.2	205.3
40°	187.1	188.5	191.3	192.7	185.7	180.1	175.9	178.7	184.3	177.3
42.5°	164.8	163.4	164.8	163.4	155.0	157.8	155.0	150.8	155.0	149.4
45°	143.8	143.8	143.8	139.6	131.3	136.8	134.1	129.9	131.3	127.1
47.5°	131.3	131.3	131.3	125.7	118.7	118.7	120.1	113.1	114.5	113.1
50°	118.7	118.7	121.5	115.9	110.3	106.1	107.5	101.9	103.3	101.9
52.5°	108.9	108.9	108.9	106.1	101.9	99.1	96.4	93.6	92.2	90.8
55°	104.7	104.7	103.3	95.0	93.6	90.8	85.2	83.8	81.0	79.6
57.5°	97.7	97.7	96.4	89.4	83.8	83.8	75.4	74.0	69.8	69.8
60°	86.6	86.6	85.2	83.8	76.8	72.6	67.0	64.2	60.0	58.6
62.5°	82.4	82.4	79.6	72.6	71.2	64.2	58.6	53.1	50.3	47.5
65°	76.8	75.4	74.0	67.0	61.4	57.3	50.3	43.3	40.5	34.9
67.5°	68.4	68.4	67.0	61.4	55.9	48.9	41.9	36.3	29.3	25.1
70°	60.0	58.6	58.6	53.1	48.9	43.3	33.5	27.9	20.9	16.8
72.5°	50.3	50.3	48.9	44.7	41.9	37.7	29.3	22.3	14.0	11.2
75°	40.5	40.5	39.1	36.3	34.9	30.7	25.1	19.5	11.2	5.6
77.5°	33.5	32.1	32.1	29.3	27.9	25.1	20.9	15.4	8.4	4.2
80°	25.1	25.1	26.5	25.1	22.3	20.9	18.2	14.0	7.0	2.8
82.5°	18.2	18.2	19.5	19.5	19.5	18.2	18.2	14.0	7.0	1.4
85°	12.6	12.6	15.4	14.0	14.0	15.4	22.3	18.2	5.6	1.4
87.5°	7.0	7.0	7.0	5.6	5.6	7.0	8.4	7.0	2.8	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
111588.8  
109646.4  
104295.3  
95058.0  
82966.5  
69228.6  
55698.7  
43536.0  
33550.2  
26658.9  
20405.8  
11262.1  
6975.1  
4489.5  
2607.1  
1386.6  
745.7  
455.2  
330.9  
262.5  
229.0  
203.9  
174.6  
149.4  
127.1  
113.1  
101.9  
90.8  
78.2  
69.8  
55.9  
46.1  
33.5  
25.1  
16.8  
9.8  
5.6  
2.8  
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1.4  
1.4  
1.4  
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