

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: P636381

Luminaire Tested: **IFLD-L-SA7B-940-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636381
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-940-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (112) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24058 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

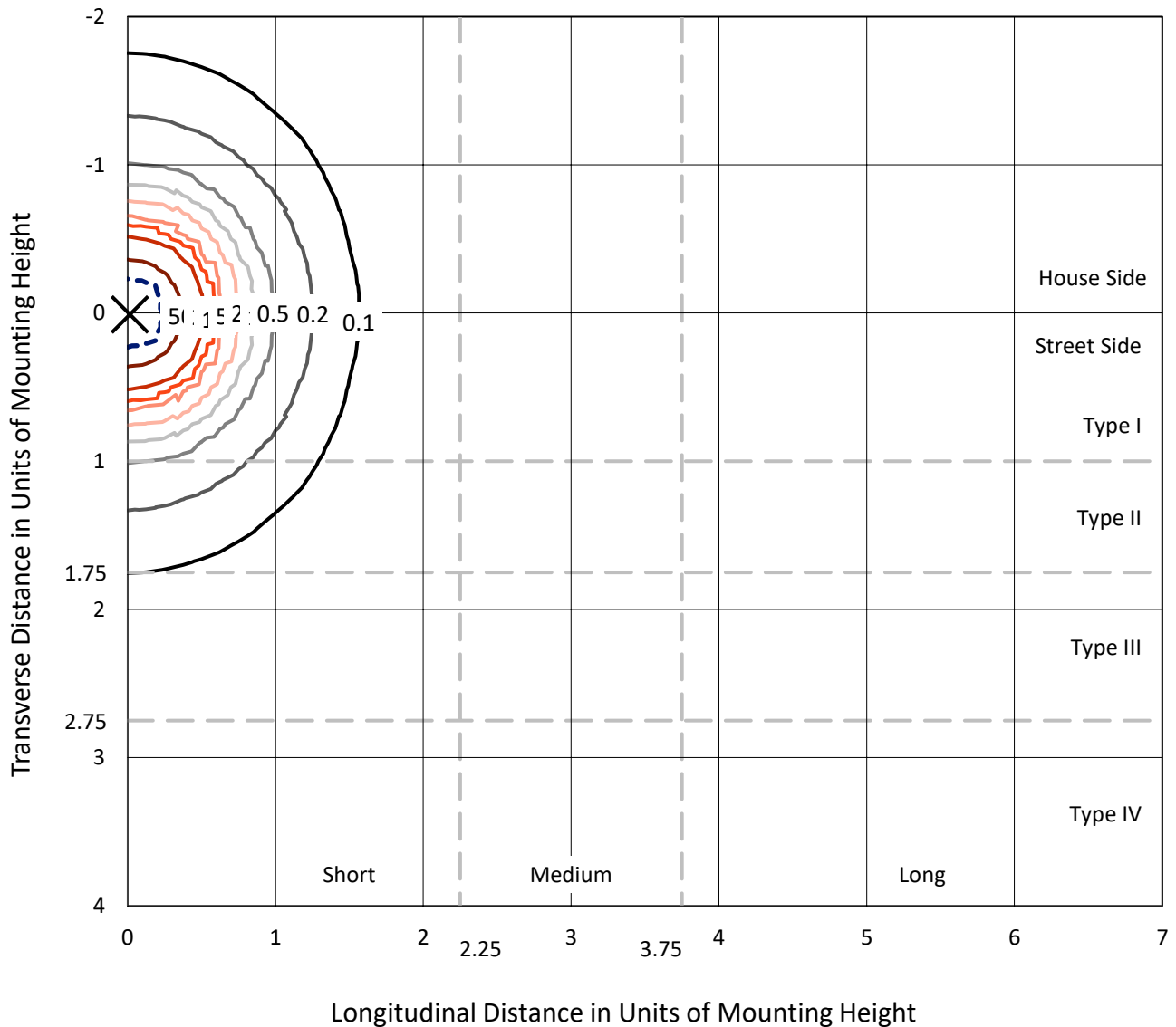
Input Watts (W): 281
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

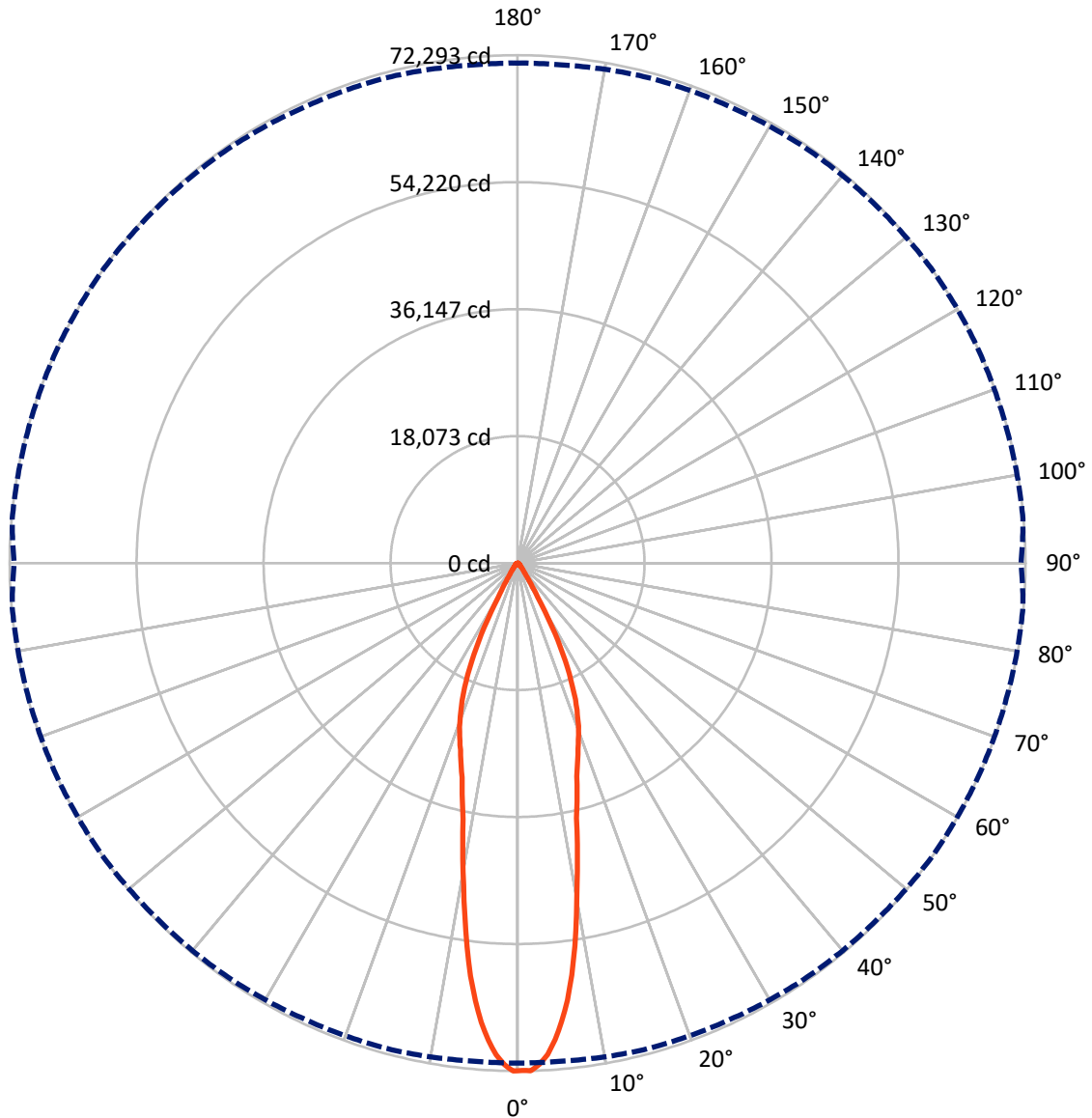
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 180.5 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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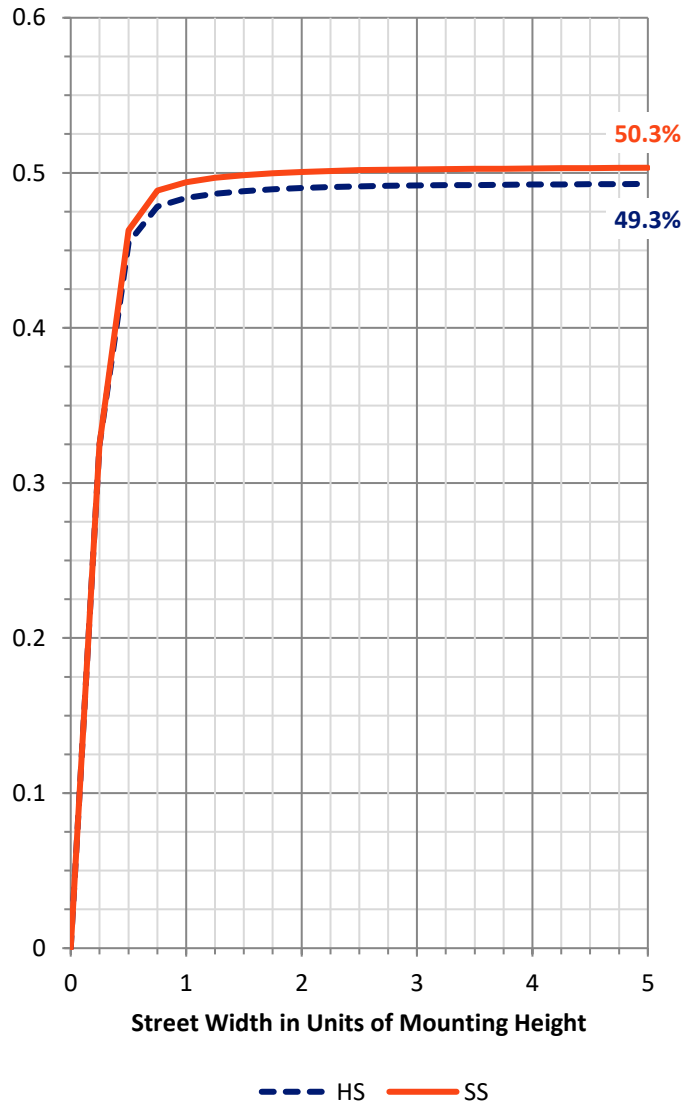
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12029.0	0.0	12029.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12029.0	0.0	12029.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24058.0	0.0	24058.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5494.2	22.8
10°-20°	8973.4	37.3
20°-30°	7012.1	29.1
30°-40°	1528.4	6.4
40°-50°	452.5	1.9
50°-60°	283.0	1.2
60°-70°	197.9	0.8
70°-80°	84.9	0.4
80°-90°	31.4	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°	24058.0	100.0
0°-180°	24058.0	100.0



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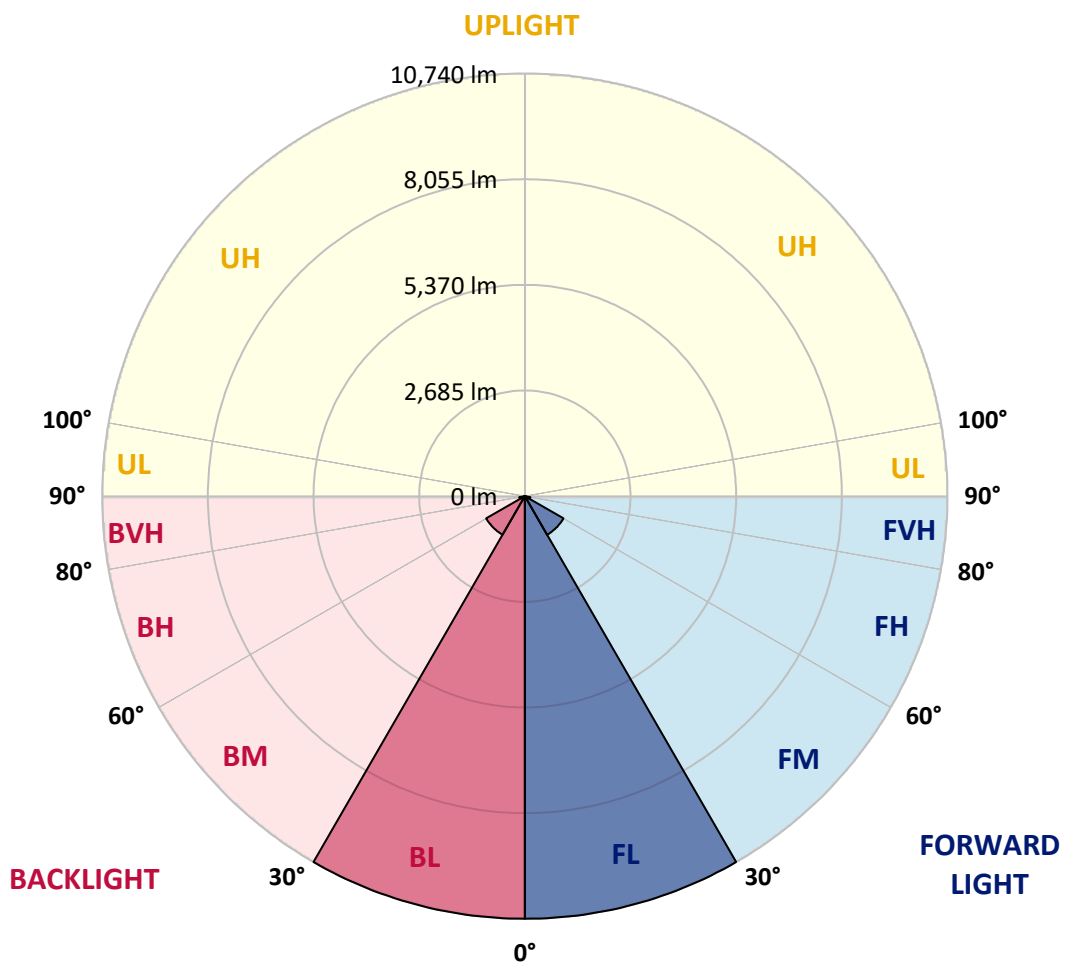
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10739.9	44.6			
FM (30°-60°)	1132.0	4.7			
FH (60°-80°)	141.4	0.6			G0/660
FVH (80°-90°)	15.7	0.1			G1/100
BL (0°-30°)	10739.9	44.6	B5		
BM (30°-60°)	1132.0	4.7	B2/2500		
BH (60°-80°)	141.4	0.6	B1/500		G0/660
BVH (80°-90°)	15.7	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°	72210.4	72210.4	72210.4	72210.4	72210.4	72210.4	72210.4	72210.4	72210.4	72210.4
1°	71165.1	71173.9	71561.5	71648.6	71914.3	72049.3	72293.2	72267.0	72193.0	72201.7
2°	69854.2	69797.6	70159.1	70559.8	70877.7	71139.0	71430.8	71491.8	71422.1	71487.4
3°	67698.3	67615.6	68120.8	68621.7	69174.8	69623.4	70063.3	70080.7	69997.9	69993.6
4°	64863.1	64710.6	65311.7	66204.5	66901.3	67498.0	68046.8	68038.1	67924.8	68016.3
5°	61435.5	61243.8	62023.4	63199.4	64231.6	64950.2	65555.6	65411.8	65150.5	65163.6
6°	57228.3	57415.6	58369.4	60020.0	61239.5	61836.2	62580.9	62310.9	61857.9	61810.0
7°	53273.7	53696.1	54458.3	56448.7	57899.0	58526.1	59157.7	58613.3	57999.2	57899.0
8°	49110.0	49815.6	50869.6	52703.1	54249.3	54880.8	55120.3	54536.7	53879.1	53852.9
9°	45734.7	46218.1	47124.0	48739.9	50312.1	50734.6	50786.8	50277.3	49619.6	49663.2
10°	42664.2	42755.7	43539.7	44929.0	46187.7	46488.2	46475.1	46104.9	45564.9	45708.6
12.5°	35791.6	36039.9	36266.4	36710.6	37133.1	37329.0	37255.0	37102.6	36806.4	36819.5
15°	31127.1	31122.8	31148.9	31353.6	31479.9	31501.7	31501.7	31310.1	31183.7	31371.0
17.5°	27011.4	27237.9	27642.9	27808.4	27973.9	27912.9	27799.7	27712.6	27629.8	27791.0
20°	23810.3	23910.4	23914.8	24023.7	24859.9	24903.4	24759.7	24511.5	24302.4	24263.2
22.5°	20208.5	20360.9	20426.2	20522.0	20609.1	21245.0	21075.2	20674.5	20426.2	20352.2
25°	15169.4	15117.1	15544.0	16327.9	16454.2	16532.6	16489.1	16280.0	16118.9	16149.3
27.5°	10483.1	10574.6	10557.2	10565.9	11397.7	11393.4	11380.3	11197.4	11149.5	11079.8
30°	5862.2	5818.6	5840.4	5783.8	5666.2	5809.9	5579.1	5775.1	5583.5	5644.4
32.5°	3466.8	3436.3	3405.8	3418.9	3331.8	3118.4	3026.9	3161.9	3118.4	3101.0
35°	2212.5	2225.5	2264.7	2260.4	2182.0	2060.0	1929.4	2051.3	2033.9	1981.6
37.5°	1411.1	1411.1	1424.2	1537.4	1472.1	1367.6	1276.1	1328.4	1324.0	1315.3
40°	1001.7	1001.7	1019.1	1049.6	1014.8	962.5	910.3	910.3	919.0	892.8
42.5°	744.8	744.8	762.2	779.6	736.0	718.6	692.5	675.1	696.8	675.1
45°	583.6	579.3	583.6	574.9	548.8	548.8	527.0	500.9	527.0	513.9
47.5°	479.1	474.7	470.4	452.9	426.8	431.2	422.5	400.7	413.8	409.4
50°	418.1	409.4	413.8	396.3	374.6	370.2	370.2	348.4	352.8	352.8
52.5°	365.8	365.8	361.5	352.8	344.1	326.6	331.0	309.2	309.2	309.2
55°	344.1	344.1	335.4	317.9	322.3	309.2	296.2	283.1	278.7	278.7
57.5°	339.7	339.7	335.4	317.9	304.9	300.5	283.1	265.7	252.6	257.0
60°	331.0	331.0	322.3	317.9	296.2	287.4	261.3	248.3	230.8	230.8
62.5°	317.9	313.6	296.2	270.0	270.0	248.3	230.8	204.7	191.6	187.3
65°	270.0	265.7	252.6	230.8	217.8	204.7	178.6	152.4	143.7	130.7
67.5°	222.1	222.1	213.4	191.6	182.9	165.5	135.0	117.6	95.8	87.1
70°	182.9	182.9	174.2	161.1	152.4	130.7	104.5	87.1	65.3	56.6
72.5°	148.1	148.1	139.4	130.7	121.9	108.9	87.1	65.3	43.6	34.8
75°	117.6	117.6	113.2	104.5	95.8	87.1	69.7	52.3	30.5	17.4
77.5°	95.8	95.8	91.5	87.1	78.4	69.7	56.6	43.6	21.8	8.7
80°	74.0	74.0	74.0	74.0	65.3	56.6	47.9	34.8	17.4	4.4
82.5°	52.3	52.3	56.6	65.3	52.3	43.6	43.6	34.8	13.1	4.4
85°	34.8	39.2	43.6	39.2	34.8	34.8	61.0	56.6	13.1	4.4
87.5°	17.4	17.4	17.4	17.4	17.4	13.1	17.4	13.1	8.7	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°
72210.4
71666.0
70973.5
69614.7
67585.1
64527.7
61174.2
57424.3
52899.1
49014.2
45203.4
36388.3
30935.5
27420.8
24010.6
20086.5
16044.8
10827.2
5718.5
3057.4
1925.0
1297.9
884.1
670.7
513.9
409.4
357.1
309.2
274.4
257.0
217.8
178.6
126.3
82.8
52.3
30.5
13.1
8.7
4.4
4.4
4.4
0.0
0.0

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