

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: P636331

Luminaire Tested: **IFLD-S-SA2A-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636331
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5731.1 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

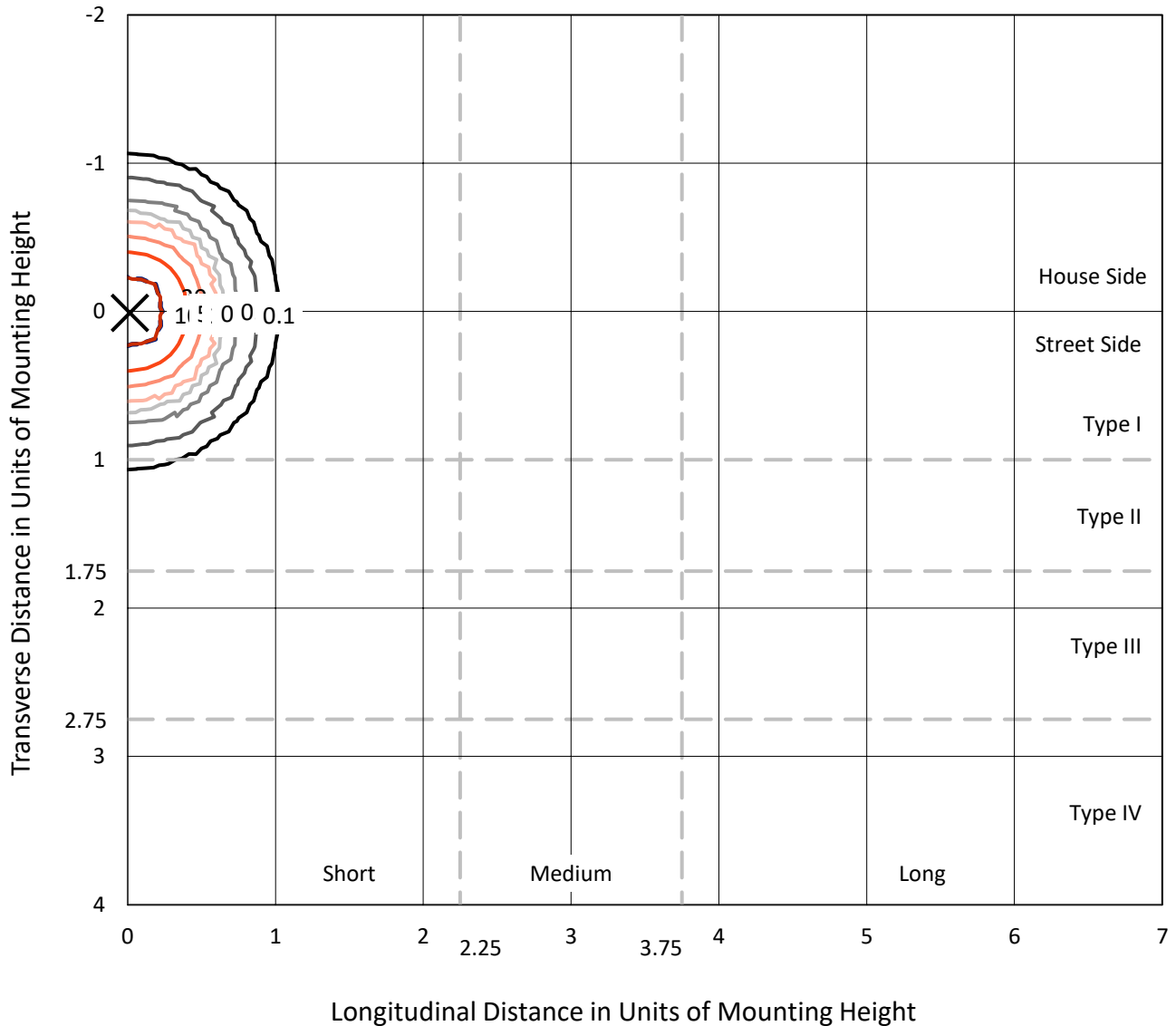
Input Watts (W): 63.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

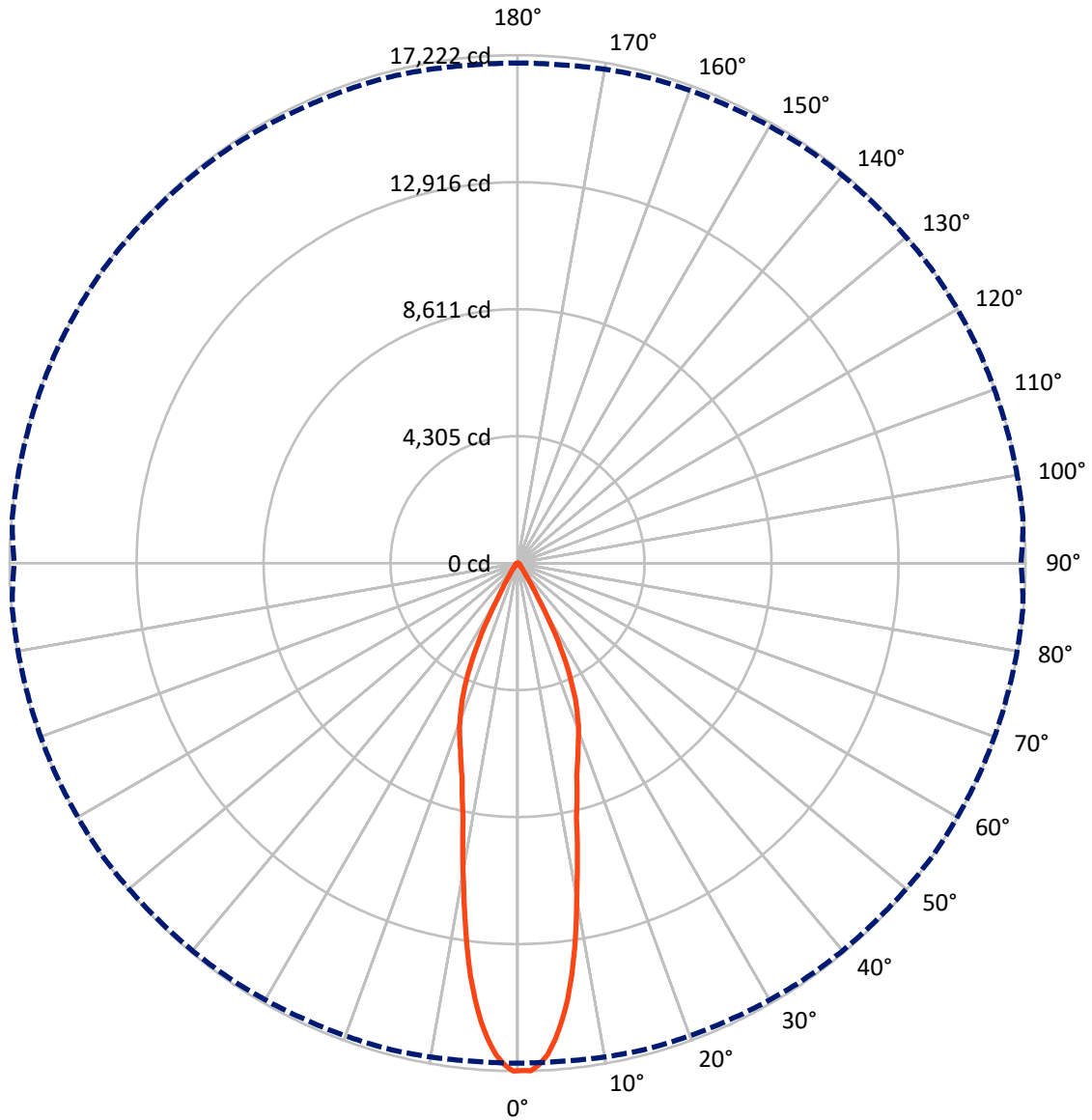
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 43 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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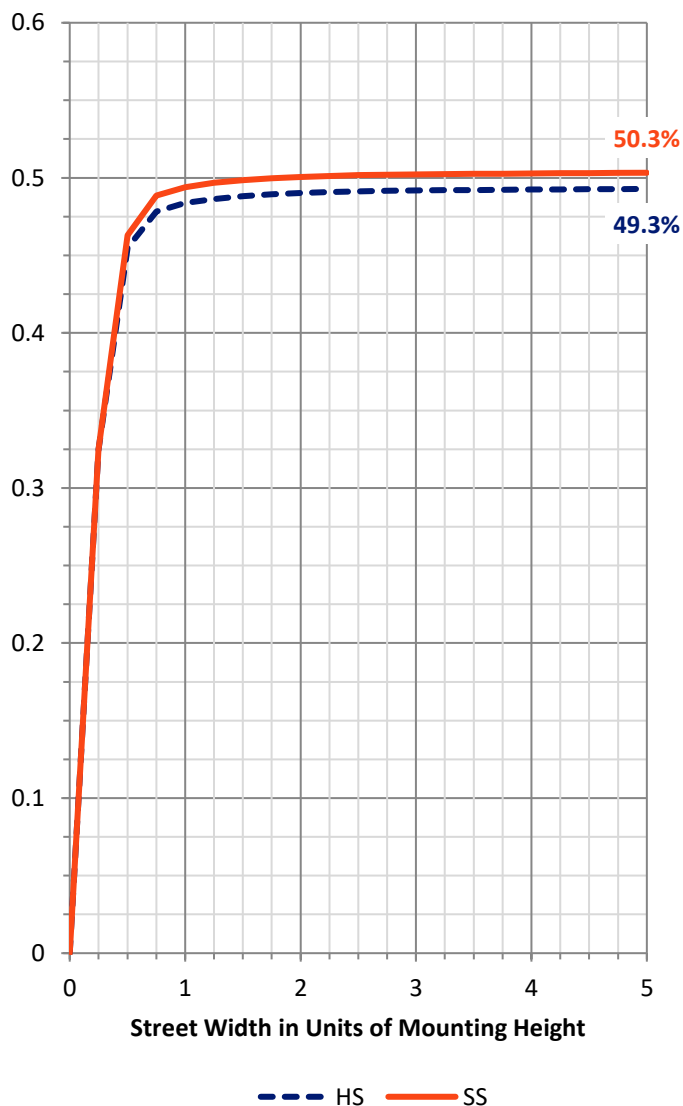
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2865.6	0.0	2865.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2865.6	0.0	2865.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5731.1	0.0	5731.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1308.8	22.8
10°-20°	2137.7	37.3
20°-30°	1670.4	29.1
30°-40°	364.1	6.4
40°-50°	107.8	1.9
50°-60°	67.4	1.2
60°-70°	47.2	0.8
70°-80°	20.2	0.4
80°-90°	7.5	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°	5731.1	100.0
0°-180°	5731.1	100.0



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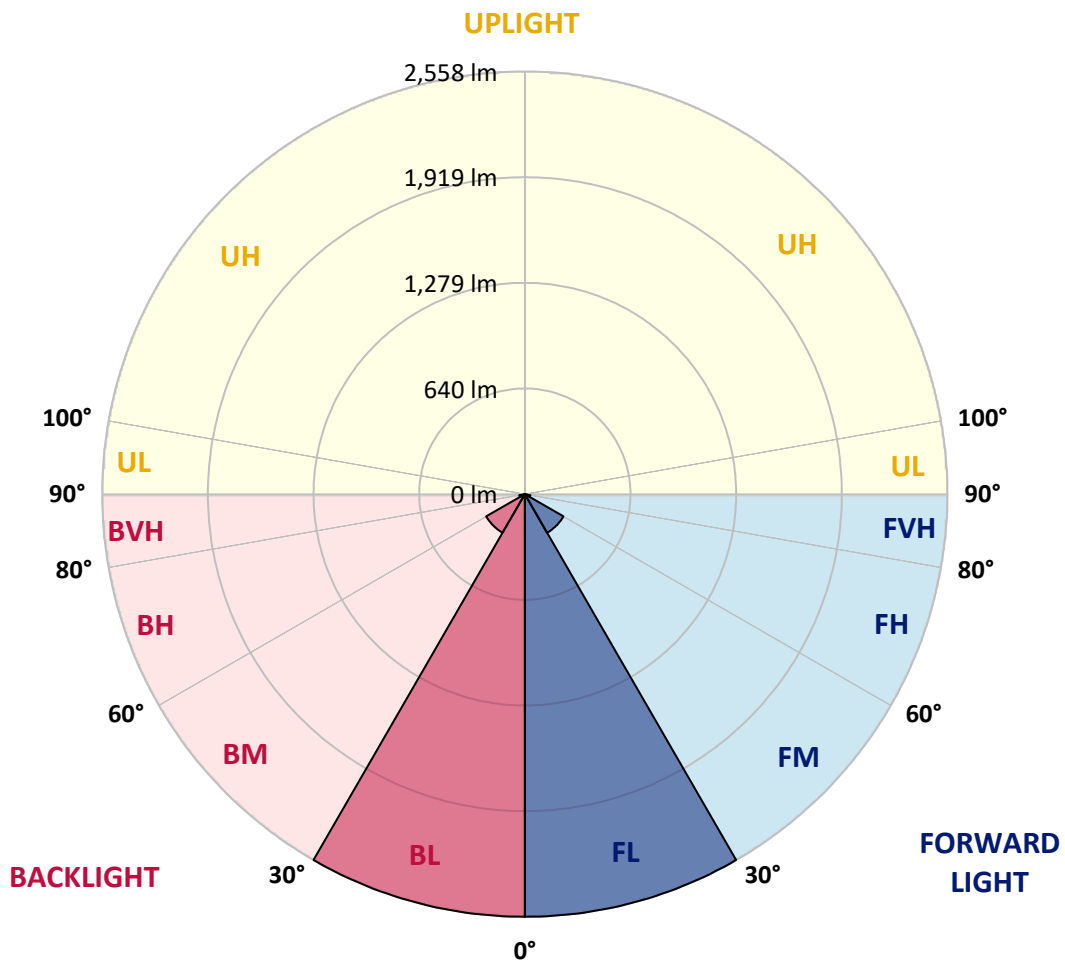
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2558.5	44.6			
FM (30°-60°)	269.7	4.7			
FH (60°-80°)	33.7	0.6			G0/660
FVH (80°-90°)	3.7	0.1			G0/10
BL (0°-30°)	2558.5	44.6	B4/5000		
BM (30°-60°)	269.7	4.7	B1/1000		
BH (60°-80°)	33.7	0.6	B0/110		G0/660
BVH (80°-90°)	3.7	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°	17202.0	17202.0	17202.0	17202.0	17202.0	17202.0	17202.0	17202.0	17202.0	17202.0
1°	16953.0	16955.1	17047.4	17068.2	17131.4	17163.6	17221.7	17215.5	17197.8	17199.9
2°	16640.7	16627.2	16713.3	16808.8	16884.5	16946.8	17016.3	17030.8	17014.2	17029.8
3°	16127.1	16107.4	16227.8	16347.1	16478.8	16585.7	16690.5	16694.6	16674.9	16673.9
4°	15451.7	15415.4	15558.6	15771.3	15937.3	16079.4	16210.1	16208.1	16181.1	16202.9
5°	14635.2	14589.5	14775.2	15055.4	15301.3	15472.5	15616.7	15582.4	15520.2	15523.3
6°	13632.9	13677.6	13904.8	14298.0	14588.5	14730.6	14908.0	14843.7	14735.8	14724.4
7°	12690.9	12791.5	12973.1	13447.2	13792.7	13942.1	14092.6	13962.9	13816.6	13792.7
8°	11699.0	11867.1	12118.2	12555.0	12923.3	13073.7	13130.8	12991.8	12835.1	12828.9
9°	10894.9	11010.1	11225.9	11610.8	11985.4	12086.0	12098.5	11977.1	11820.4	11830.8
10°	10163.5	10185.3	10372.0	10703.0	11002.8	11074.4	11071.3	10983.1	10854.5	10888.7
12.5°	8526.3	8585.4	8639.4	8745.2	8845.8	8892.5	8874.9	8838.6	8768.0	8771.1
15°	7415.1	7414.1	7420.3	7469.1	7499.2	7504.3	7504.3	7458.7	7428.6	7473.2
17.5°	6434.7	6488.6	6585.1	6624.5	6664.0	6649.4	6622.5	6601.7	6582.0	6620.4
20°	5672.1	5696.0	5697.0	5722.9	5922.1	5932.5	5898.3	5839.1	5789.3	5780.0
22.5°	4814.1	4850.4	4865.9	4888.8	4909.5	5061.0	5020.5	4925.1	4865.9	4848.3
25°	3613.7	3601.2	3702.9	3889.6	3919.7	3938.4	3928.0	3878.2	3839.8	3847.1
27.5°	2497.3	2519.1	2514.9	2517.0	2715.2	2714.1	2711.0	2667.4	2656.0	2639.4
30°	1396.5	1386.1	1391.3	1377.8	1349.8	1384.0	1329.1	1375.7	1330.1	1344.6
32.5°	825.9	818.6	811.3	814.4	793.7	742.9	721.1	753.2	742.9	738.7
35°	527.1	530.2	539.5	538.5	519.8	490.7	459.6	488.7	484.5	472.1
37.5°	336.2	336.2	339.3	366.2	350.7	325.8	304.0	316.4	315.4	313.3
40°	238.6	238.6	242.8	250.0	241.7	229.3	216.8	216.8	218.9	212.7
42.5°	177.4	177.4	181.6	185.7	175.3	171.2	165.0	160.8	166.0	160.8
45°	139.0	138.0	139.0	137.0	130.7	130.7	125.5	119.3	125.5	122.4
47.5°	114.1	113.1	112.1	107.9	101.7	102.7	100.6	95.5	98.6	97.5
50°	99.6	97.5	98.6	94.4	89.2	88.2	88.2	83.0	84.0	84.0
52.5°	87.2	87.2	86.1	84.0	82.0	77.8	78.9	73.7	73.7	73.7
55°	82.0	82.0	79.9	75.7	76.8	73.7	70.6	67.4	66.4	66.4
57.5°	80.9	80.9	79.9	75.7	72.6	71.6	67.4	63.3	60.2	61.2
60°	78.9	78.9	76.8	75.7	70.6	68.5	62.3	59.1	55.0	55.0
62.5°	75.7	74.7	70.6	64.3	64.3	59.1	55.0	48.8	45.7	44.6
65°	64.3	63.3	60.2	55.0	51.9	48.8	42.5	36.3	34.2	31.1
67.5°	52.9	52.9	50.8	45.7	43.6	39.4	32.2	28.0	22.8	20.8
70°	43.6	43.6	41.5	38.4	36.3	31.1	24.9	20.8	15.6	13.5
72.5°	35.3	35.3	33.2	31.1	29.1	25.9	20.8	15.6	10.4	8.3
75°	28.0	28.0	27.0	24.9	22.8	20.8	16.6	12.5	7.3	4.2
77.5°	22.8	22.8	21.8	20.8	18.7	16.6	13.5	10.4	5.2	2.1
80°	17.6	17.6	17.6	17.6	15.6	13.5	11.4	8.3	4.2	1.0
82.5°	12.5	12.5	13.5	15.6	12.5	10.4	10.4	8.3	3.1	1.0
85°	8.3	9.3	10.4	9.3	8.3	8.3	14.5	13.5	3.1	1.0
87.5°	4.2	4.2	4.2	4.2	4.2	3.1	4.2	3.1	2.1	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°
17202.0
17072.3
16907.3
16583.6
16100.2
15371.8
14572.9
13679.6
12601.7
11676.2
10768.4
8668.4
7369.5
6532.2
5719.8
4785.0
3822.2
2579.3
1362.3
728.3
458.6
309.2
210.6
159.8
122.4
97.5
85.1
73.7
65.4
61.2
51.9
42.5
30.1
19.7
12.5
7.3
3.1
2.1
1.0
1.0
1.0
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0.0

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