

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: P636145

Luminaire Tested: **IFLD-M-SA4C-927-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636145  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-927-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (64) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17225.6 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

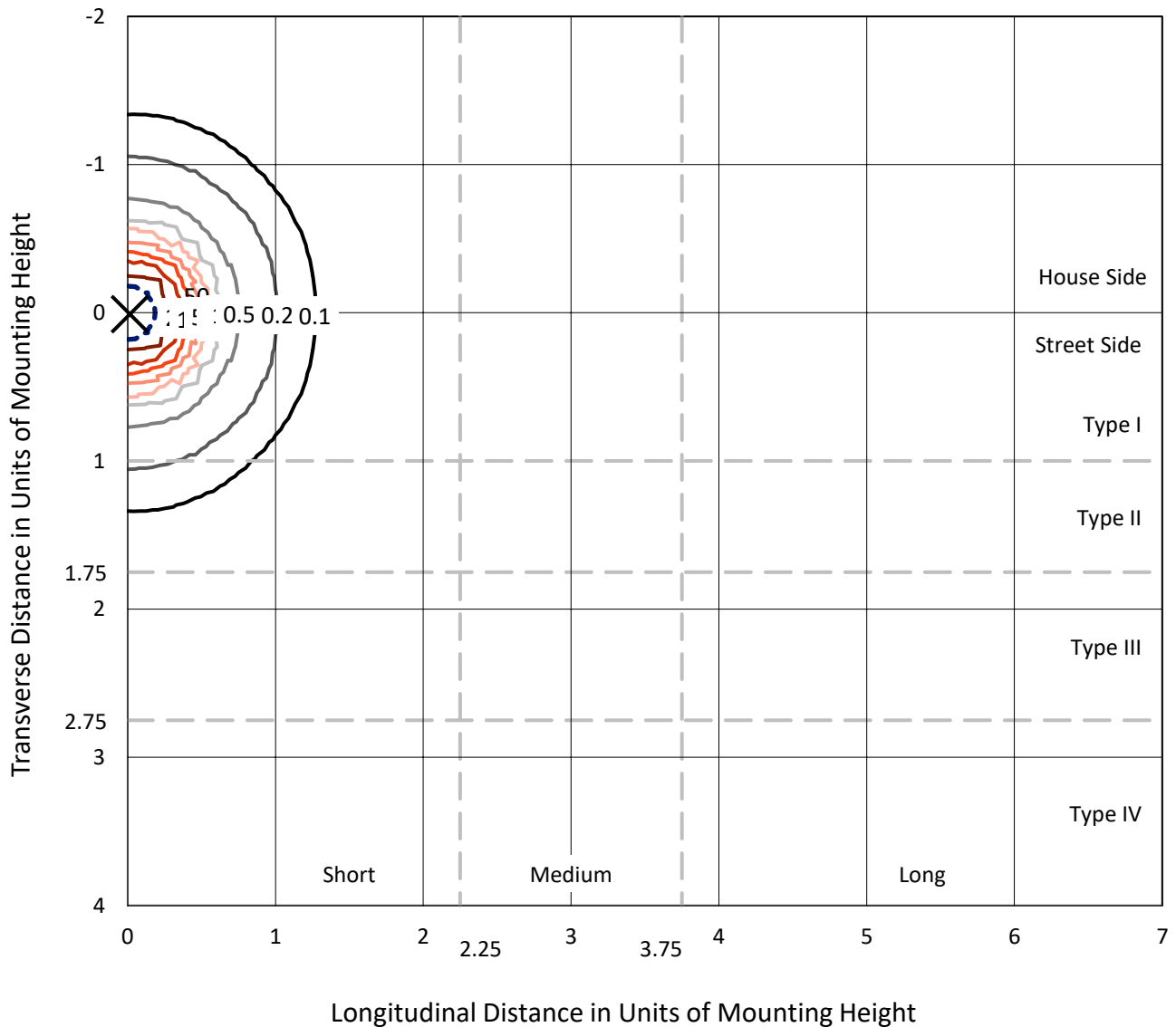
Input Watts (W): 218.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

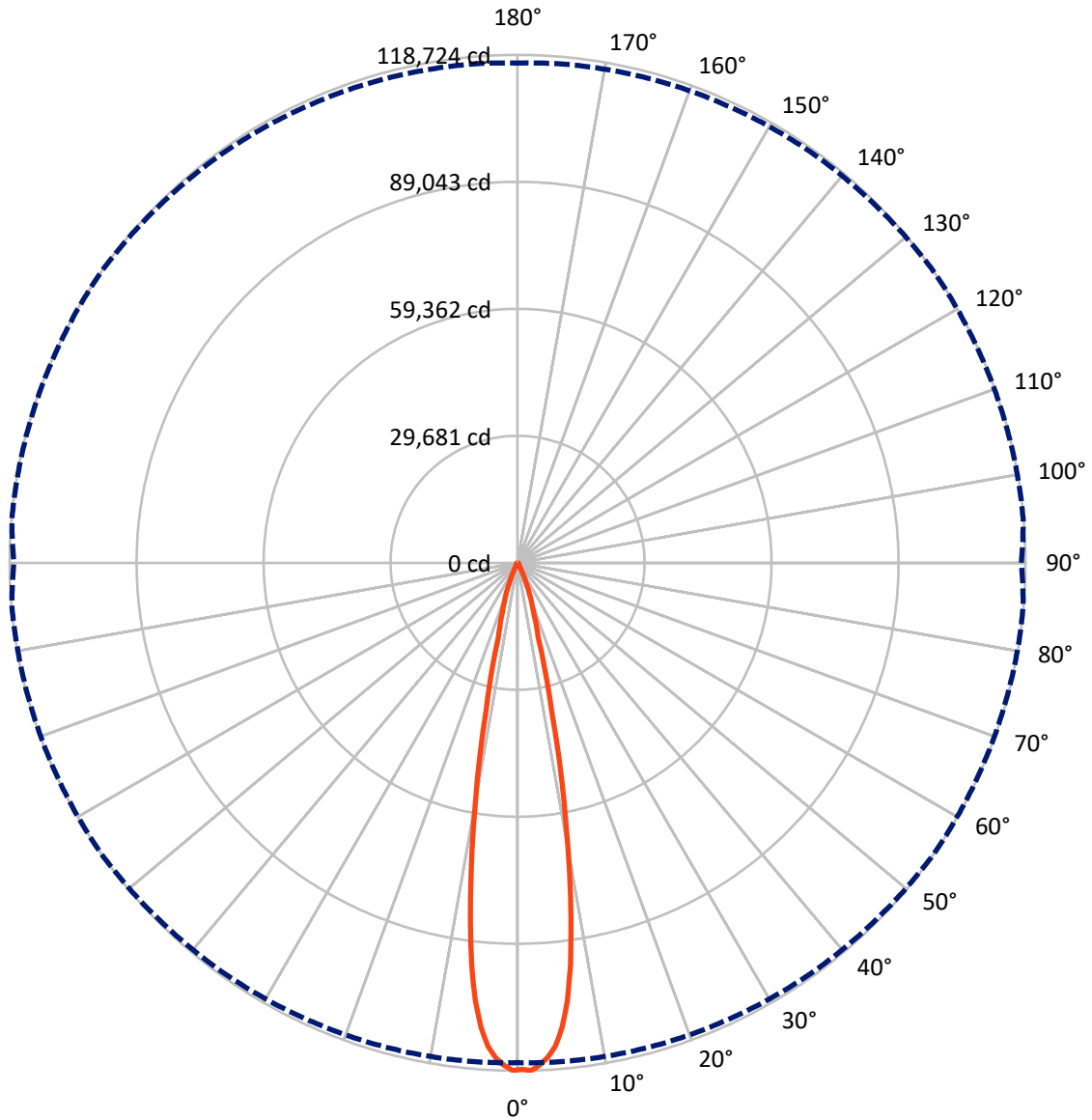
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 296 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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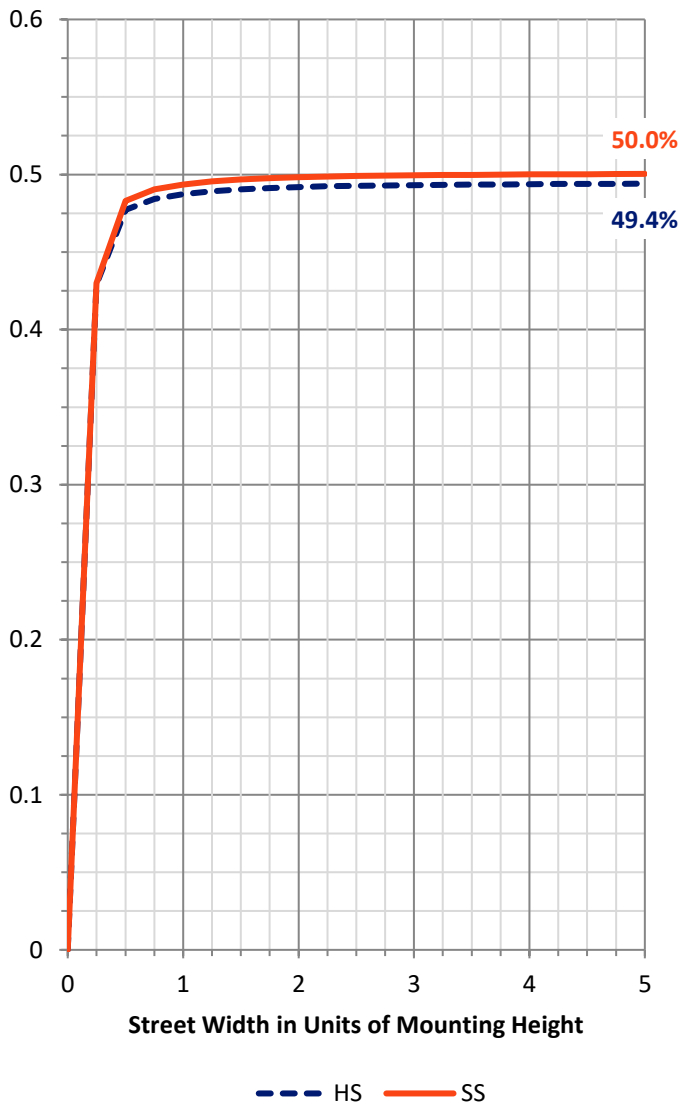
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8612.8	0.0	8612.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8612.8	0.0	8612.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17225.6	0.0	17225.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8751.9	50.8
10°-20°	6202.6	36.0
20°-30°	1453.4	8.4
30°-40°	303.8	1.8
40°-50°	196.0	1.1
50°-60°	145.1	0.8
60°-70°	98.7	0.6
70°-80°	52.6	0.3
80°-90°	21.6	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°	17225.6	100.0
0°-180°	17225.6	100.0

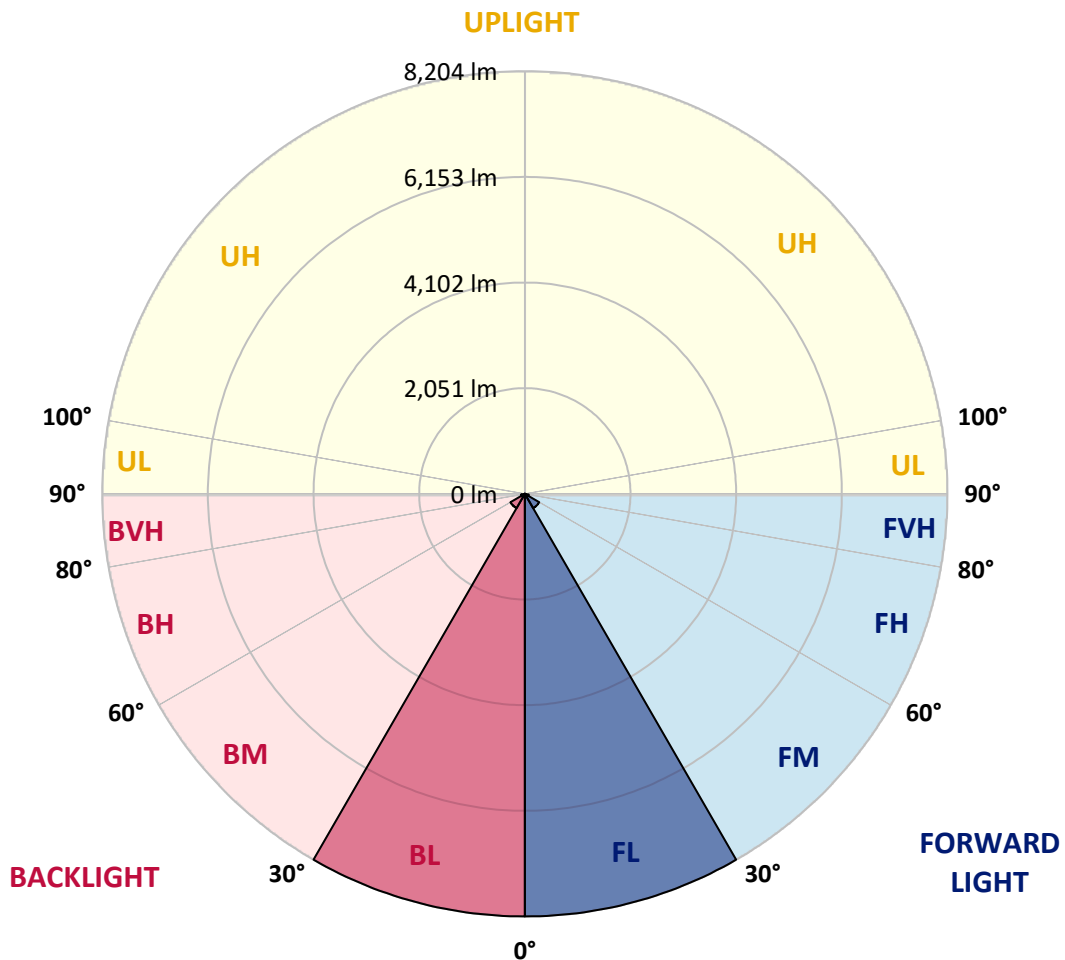


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8203.9	47.6			
FM (30°-60°)	322.4	1.9			
FH (60°-80°)	75.6	0.4			G0/660
FVH (80°-90°)	10.8	0.1			G1/100
BL (0°-30°)	8203.9	47.6	B5		
BM (30°-60°)	322.4	1.9	B1/1000		
BH (60°-80°)	75.6	0.4	B0/110		G0/660
BVH (80°-90°)	10.8	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°	118419.5	118419.5	118419.5	118419.5	118419.5	118419.5	118419.5	118419.5	118419.5	118419.5
1°	116826.3	117042.6	117307.6	117548.3	117910.8	118206.3	118724.2	118614.5	118599.3	118620.6
2°	114562.9	114834.0	115242.2	115482.9	116418.1	116801.9	117584.9	117816.4	117630.5	117840.7
3°	111172.4	111394.7	112034.5	112506.6	113719.1	114754.8	115802.8	116150.0	115933.7	116031.2
4°	107136.0	107364.5	108138.2	109100.9	110852.5	112000.9	113256.0	113566.8	112860.0	112908.8
5°	102331.9	102438.6	103386.0	104263.3	106359.2	107751.3	108942.4	109039.9	108394.1	108147.4
6°	96927.8	96735.8	97607.1	97978.7	100583.3	102002.9	102874.2	102761.5	102271.0	102060.8
7°	90506.1	90244.1	90947.8	90746.8	93052.8	93863.2	94700.9	94317.1	93927.1	94411.5
8°	83076.2	82929.9	82476.0	83298.5	83755.5	84480.5	84477.5	84255.1	84242.9	85050.2
9°	72273.9	73623.4	73224.4	74086.5	73970.7	73937.2	73714.8	73571.6	72962.4	73891.5
10°	60411.5	61295.0	61968.2	63253.8	63004.0	63357.3	62120.5	62330.7	61925.6	62693.2
12.5°	31270.5	32263.6	32845.4	33826.3	34904.7	36007.5	35651.1	35282.5	34731.1	35407.4
15°	15393.0	15786.0	15971.8	16968.0	17735.7	18012.9	18055.5	17729.6	17589.4	17735.7
17.5°	9446.6	9583.7	10122.9	11268.3	11932.4	12096.9	11990.3	11633.9	11234.8	11067.3
20°	6839.0	6878.6	7082.7	7305.1	8191.6	8654.6	8484.0	8133.7	7765.1	7591.4
22.5°	4465.9	4505.5	4572.5	4694.4	4932.0	5504.7	5318.9	5081.3	4831.5	4779.7
25°	2528.4	2528.4	2598.5	2723.4	2900.1	2942.7	2979.3	2726.5	2610.7	2558.9
27.5°	1410.4	1419.6	1434.8	1483.6	1571.9	1562.8	1523.2	1456.1	1376.9	1294.7
30°	779.9	789.0	798.1	810.3	825.6	798.1	773.8	761.6	728.1	718.9
32.5°	584.9	584.9	591.0	587.9	572.7	539.2	524.0	542.2	539.2	524.0
35°	481.3	481.3	487.4	499.6	469.1	444.8	432.6	456.9	456.9	447.8
37.5°	393.0	396.0	399.1	414.3	405.2	377.7	374.7	380.8	383.8	380.8
40°	344.2	341.2	341.2	344.2	338.1	332.0	326.0	322.9	326.0	322.9
42.5°	298.5	295.5	301.6	295.5	283.3	286.4	286.4	277.2	280.3	274.2
45°	262.0	258.9	262.0	255.9	246.8	249.8	249.8	237.6	237.6	234.6
47.5°	231.5	231.5	231.5	234.6	219.3	216.3	219.3	216.3	207.1	204.1
50°	201.1	204.1	207.1	213.2	198.0	191.9	191.9	191.9	185.8	182.8
52.5°	185.8	188.9	188.9	188.9	179.7	173.6	173.6	170.6	167.5	164.5
55°	179.7	179.7	179.7	167.5	164.5	161.5	152.3	149.3	146.2	146.2
57.5°	170.6	170.6	167.5	158.4	149.3	149.3	137.1	134.0	131.0	131.0
60°	152.3	152.3	152.3	149.3	137.1	134.0	121.9	115.8	112.7	112.7
62.5°	140.1	140.1	140.1	127.9	124.9	115.8	106.6	97.5	94.4	88.3
65°	127.9	127.9	127.9	115.8	109.7	100.5	88.3	79.2	73.1	64.0
67.5°	118.8	118.8	115.8	106.6	97.5	85.3	73.1	64.0	51.8	45.7
70°	103.6	103.6	100.5	94.4	85.3	76.2	60.9	48.7	39.6	30.5
72.5°	88.3	88.3	85.3	79.2	73.1	64.0	51.8	42.6	27.4	21.3
75°	73.1	73.1	70.1	64.0	60.9	54.8	45.7	33.5	21.3	9.1
77.5°	60.9	60.9	57.9	54.8	51.8	45.7	39.6	27.4	15.2	6.1
80°	45.7	48.7	48.7	48.7	42.6	39.6	36.6	27.4	12.2	3.0
82.5°	33.5	36.6	36.6	36.6	33.5	30.5	33.5	24.4	12.2	3.0
85°	24.4	24.4	27.4	27.4	27.4	27.4	36.6	27.4	9.1	3.0
87.5°	12.2	12.2	12.2	12.2	12.2	15.2	18.3	15.2	6.1	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°  
118419.5  
*117770.7*  
117042.6  
115300.1  
112183.7  
107632.5  
101588.6  
94262.2  
82811.1  
72158.1  
60725.3  
33576.5  
17053.3  
10832.7  
7457.4  
4673.1  
2516.3  
1297.7  
718.9  
514.8  
444.8  
380.8  
326.0  
277.2  
234.6  
204.1  
179.7  
161.5  
143.2  
131.0  
109.7  
82.3  
64.0  
42.6  
30.5  
18.3  
9.1  
3.0  
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