

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: P635985

Luminaire Tested: **IFLD-S-SA2C-927-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P635985  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-927-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (32) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8550.6 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

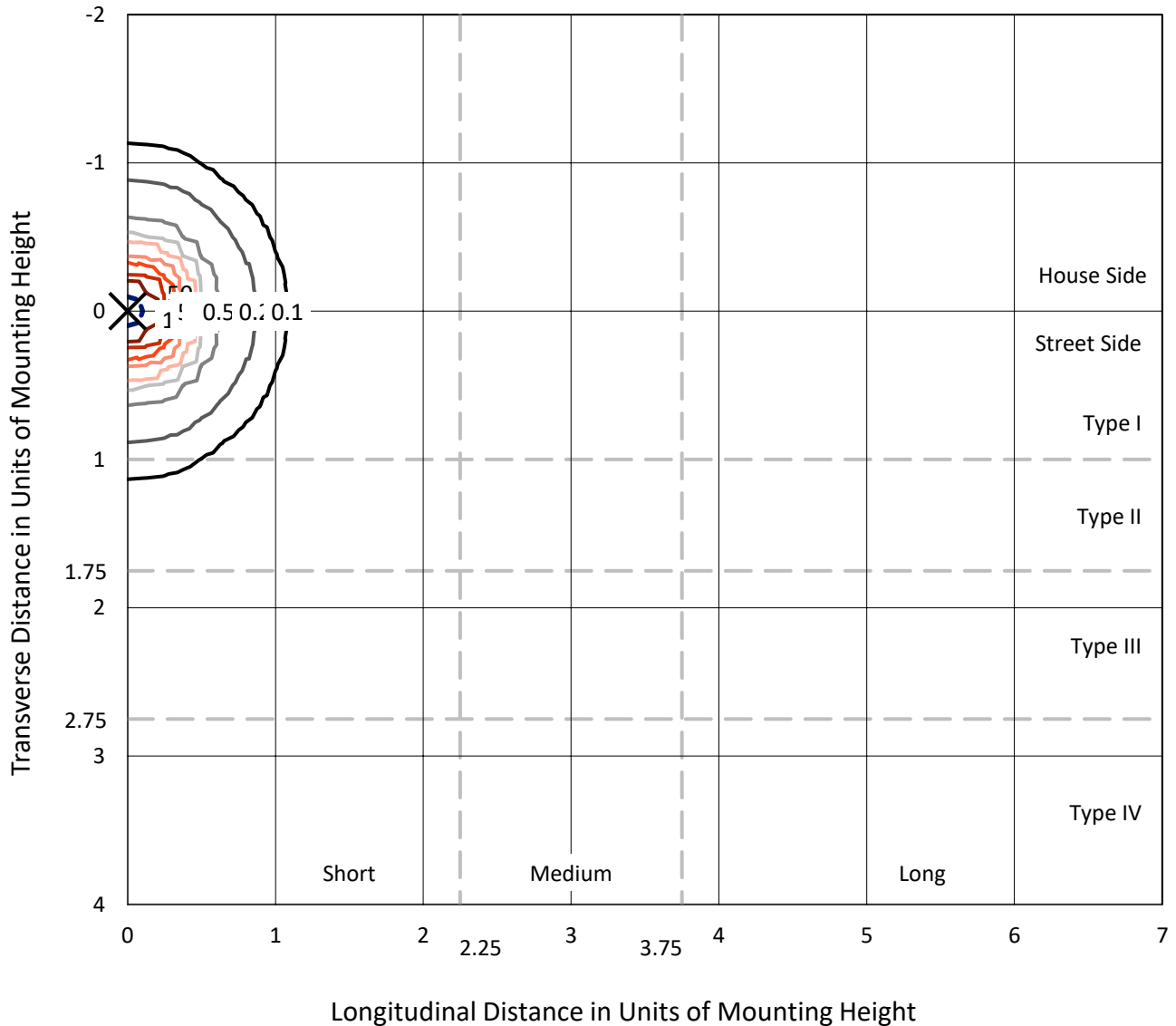
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

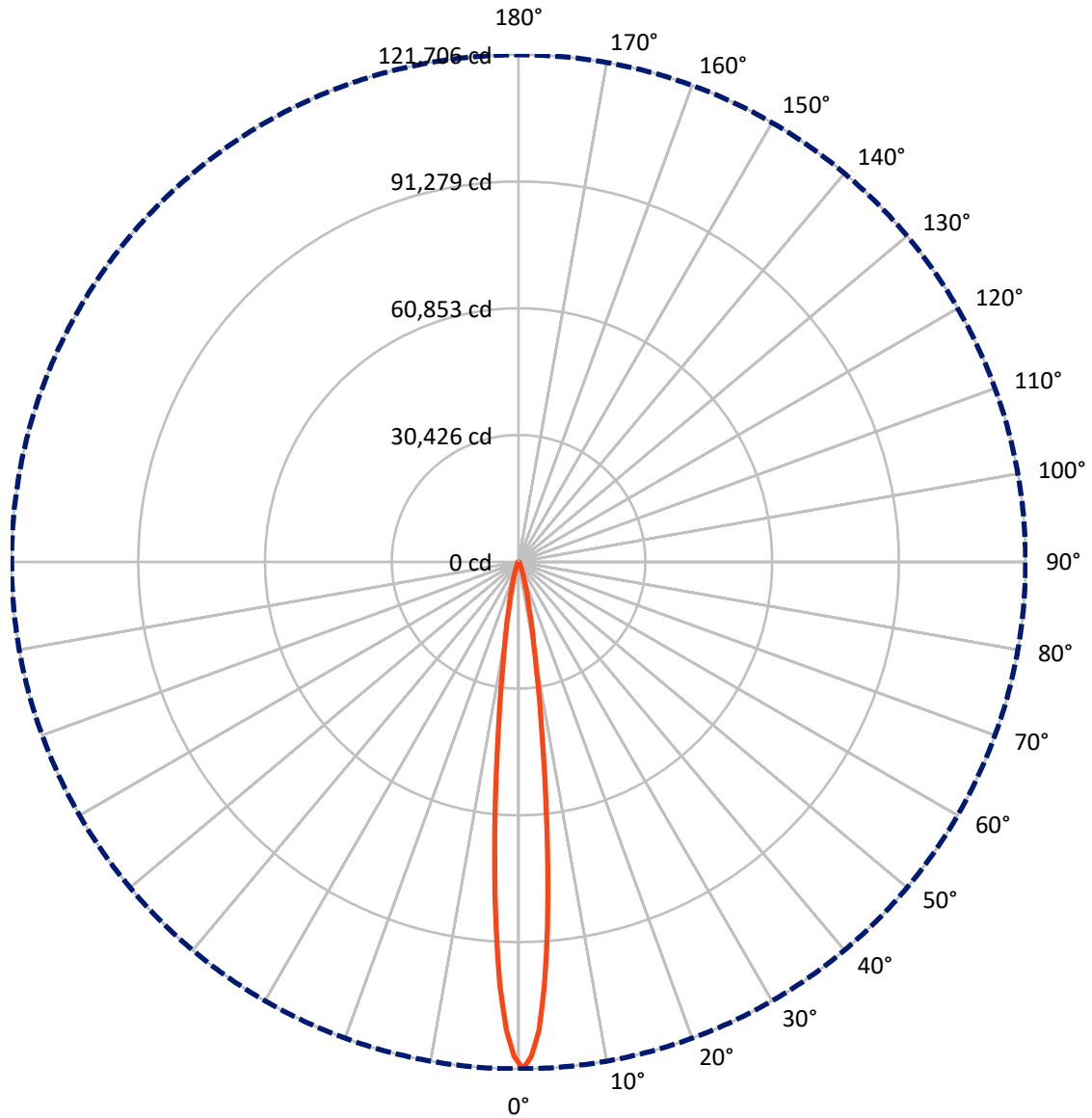
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 304.3 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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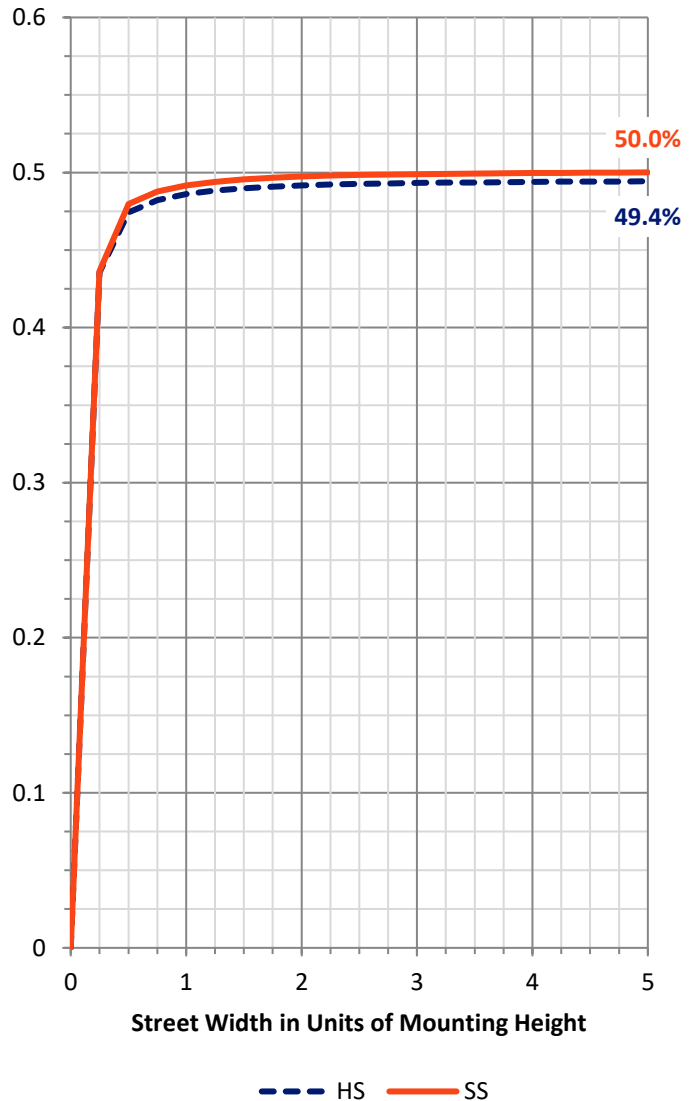
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4275.3	0.0	4275.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4275.3	0.0	4275.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8550.6	0.0	8550.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5212.3	61.0
10°-20°	2335.1	27.3
20°-30°	521.5	6.1
30°-40°	170.2	2.0
40°-50°	117.4	1.4
50°-60°	88.7	1.0
60°-70°	60.7	0.7
70°-80°	32.0	0.4
80°-90°	12.7	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°	8550.6	100.0
0°-180°	8550.6	100.0

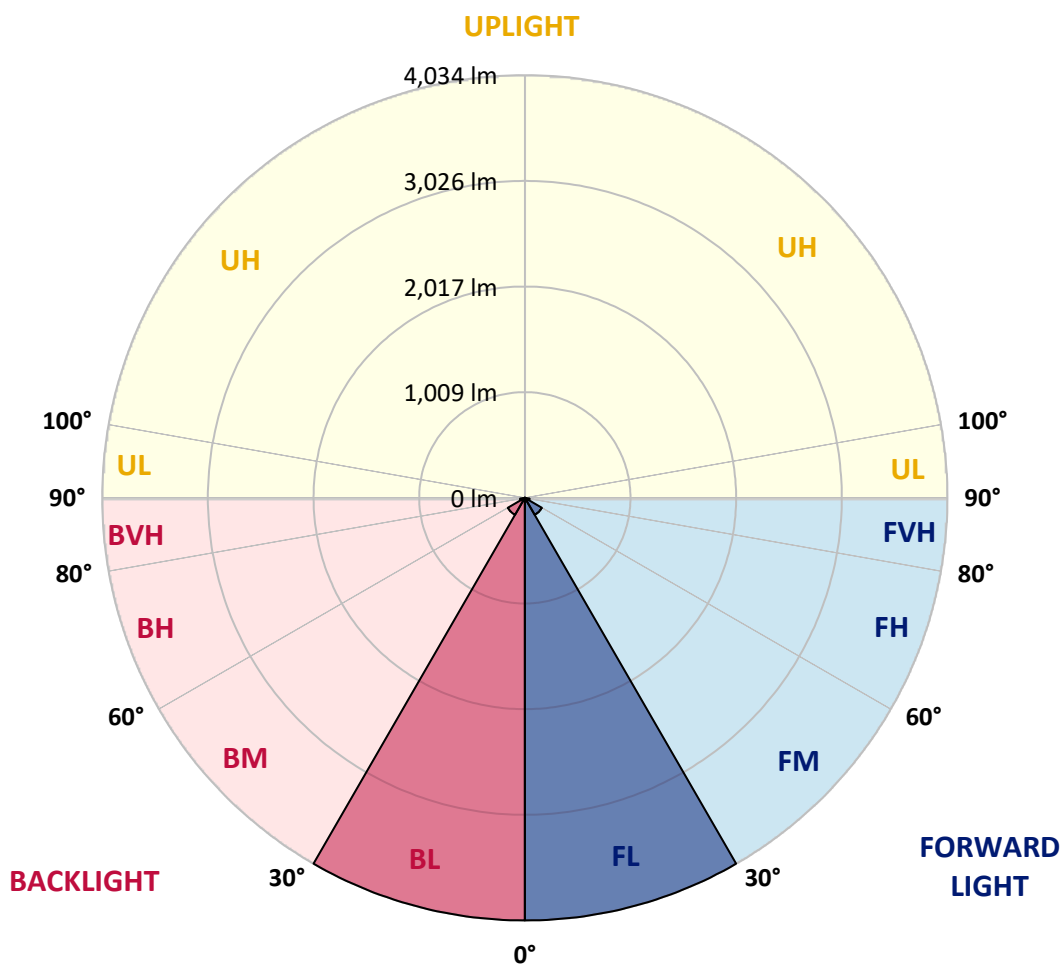


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4034.4	47.2			
FM (30°-60°)	188.1	2.2			
FH (60°-80°)	46.3	0.5			G0/660
FVH (80°-90°)	6.4	0.1			G0/10
BL (0°-30°)	4034.4	47.2	B4/5000		
BM (30°-60°)	188.1	2.2	B0/220		
BH (60°-80°)	46.3	0.5	B0/110		G0/660
BVH (80°-90°)	6.4	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°	121705.9	121705.9	121705.9	121705.9	121705.9	121705.9	121705.9	121705.9	121705.9	121705.9
1°	118684.2	118845.7	118665.9	119573.7	119948.3	120143.3	120166.1	120677.9	120283.4	120393.0
2°	112429.2	112788.6	112187.0	112768.8	113932.4	114372.6	113655.2	114541.6	114224.8	114409.1
3°	101918.8	102359.0	101527.4	102238.7	103735.8	104070.9	102895.1	104154.6	104122.6	104387.7
4°	88371.6	89085.9	87897.9	88740.2	89402.7	90569.3	89430.1	90863.3	90835.8	91295.8
5°	72993.7	73765.9	72733.2	73607.5	74234.9	74669.0	74251.7	75837.2	75937.7	76412.9
6°	57946.3	58666.7	57513.7	58348.3	59342.9	59521.1	59412.9	60777.6	61080.6	60710.5
7°	44595.5	44775.2	44594.0	45352.4	46150.5	46179.4	46319.5	47519.7	47786.2	47658.3
8°	34153.7	33331.2	34037.9	34440.0	34686.7	35819.9	35903.6	36508.3	36998.7	37033.7
9°	25997.9	25236.4	26054.3	26214.2	26780.7	27787.5	27661.1	28322.0	28629.7	28609.9
10°	19820.6	19433.7	19843.4	20020.1	20486.1	21339.0	21486.7	21789.8	22018.3	22167.5
12.5°	10755.6	10845.4	11083.0	11268.8	11896.3	12123.2	12214.6	12240.5	12239.0	12263.3
15°	6681.5	6754.6	6920.6	7257.2	7639.5	7921.2	7960.8	7814.6	7688.2	7668.4
17.5°	4167.0	4138.0	4527.9	4896.5	5356.5	5502.7	5350.4	5182.8	5010.7	4911.7
20°	2500.8	2520.6	2653.1	2817.6	3189.2	3442.0	3283.6	3113.0	2934.9	2817.6
22.5°	1421.0	1442.3	1500.2	1585.5	1727.1	1957.1	1856.6	1684.5	1558.0	1506.3
25°	839.2	839.2	874.2	912.3	971.7	1025.0	1003.7	912.3	837.7	816.3
27.5°	543.7	539.1	551.3	569.6	597.0	600.1	575.7	548.3	510.2	496.5
30°	397.5	399.0	397.5	405.1	403.6	392.9	377.7	379.2	364.0	362.5
32.5°	322.9	324.4	324.4	322.9	315.3	298.5	287.9	298.5	295.5	292.4
35°	268.1	269.6	284.8	283.3	271.1	252.8	245.2	257.4	266.5	252.8
37.5°	231.5	233.0	245.2	251.3	236.1	223.9	214.7	225.4	239.1	223.9
40°	204.1	205.6	208.7	210.2	202.6	196.5	191.9	194.9	201.0	193.4
42.5°	179.7	178.2	179.7	178.2	169.1	172.1	169.1	164.5	169.1	163.0
45°	156.9	156.9	156.9	152.3	143.2	149.3	146.2	141.6	143.2	138.6
47.5°	143.2	143.2	143.2	137.1	129.5	129.5	131.0	123.4	124.9	123.4
50°	129.5	129.5	132.5	126.4	120.3	115.7	117.3	111.2	112.7	111.2
52.5°	118.8	118.8	118.8	115.7	111.2	108.1	105.1	102.0	100.5	99.0
55°	114.2	114.2	112.7	103.6	102.0	99.0	92.9	91.4	88.3	86.8
57.5°	106.6	106.6	105.1	97.5	91.4	91.4	82.2	80.7	76.2	76.2
60°	94.4	94.4	92.9	91.4	83.8	79.2	73.1	70.1	65.5	64.0
62.5°	89.9	89.9	86.8	79.2	77.7	70.1	64.0	57.9	54.8	51.8
65°	83.8	82.2	80.7	73.1	67.0	62.4	54.8	47.2	44.2	38.1
67.5°	74.6	74.6	73.1	67.0	60.9	53.3	45.7	39.6	32.0	27.4
70°	65.5	64.0	64.0	57.9	53.3	47.2	36.6	30.5	22.8	18.3
72.5°	54.8	54.8	53.3	48.7	45.7	41.1	32.0	24.4	15.2	12.2
75°	44.2	44.2	42.6	39.6	38.1	33.5	27.4	21.3	12.2	6.1
77.5°	36.6	35.0	35.0	32.0	30.5	27.4	22.8	16.8	9.1	4.6
80°	27.4	27.4	28.9	27.4	24.4	22.8	19.8	15.2	7.6	3.0
82.5°	19.8	19.8	21.3	21.3	21.3	19.8	19.8	15.2	7.6	1.5
85°	13.7	13.7	16.8	15.2	15.2	16.8	24.4	19.8	6.1	1.5
87.5°	7.6	7.6	7.6	6.1	6.1	7.6	9.1	7.6	3.0	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
121705.9  
119587.4  
113751.2  
103676.4  
90488.6  
75505.1  
60748.6  
47483.1  
36592.0  
29075.9  
22255.9  
12283.1  
7607.5  
4896.5  
2843.5  
1512.4  
813.3  
496.5  
361.0  
286.3  
249.8  
222.4  
190.4  
163.0  
138.6  
123.4  
111.2  
99.0  
85.3  
76.2  
60.9  
50.3  
36.6  
27.4  
18.3  
10.7  
6.1  
3.0  
1.5  
1.5  
1.5  
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0.0

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