

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: P636180

Luminaire Tested: **IFLD-L-SA7D-930-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636180  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7D-930-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (112) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29875.3 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

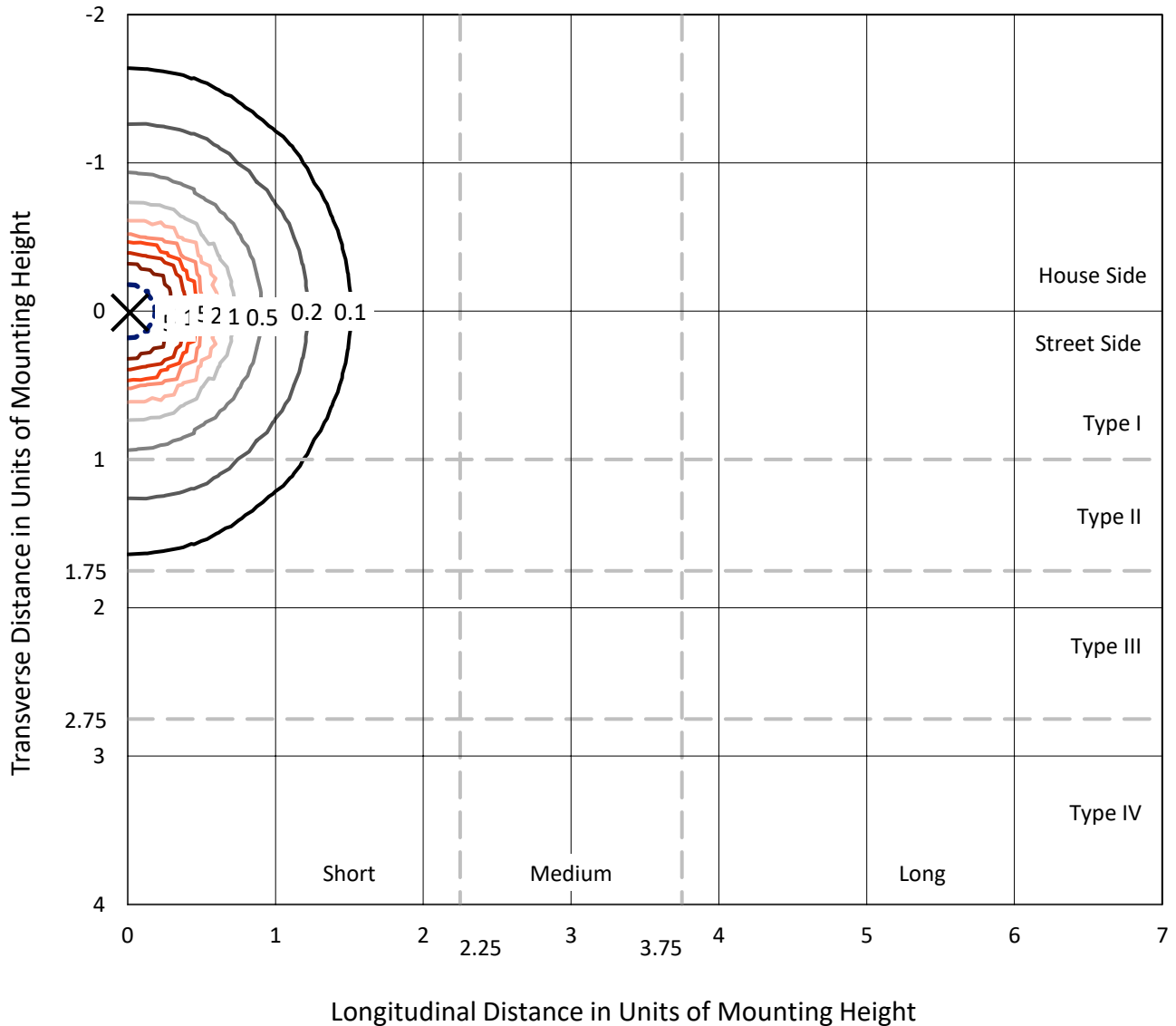
Input Watts (W): 422.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

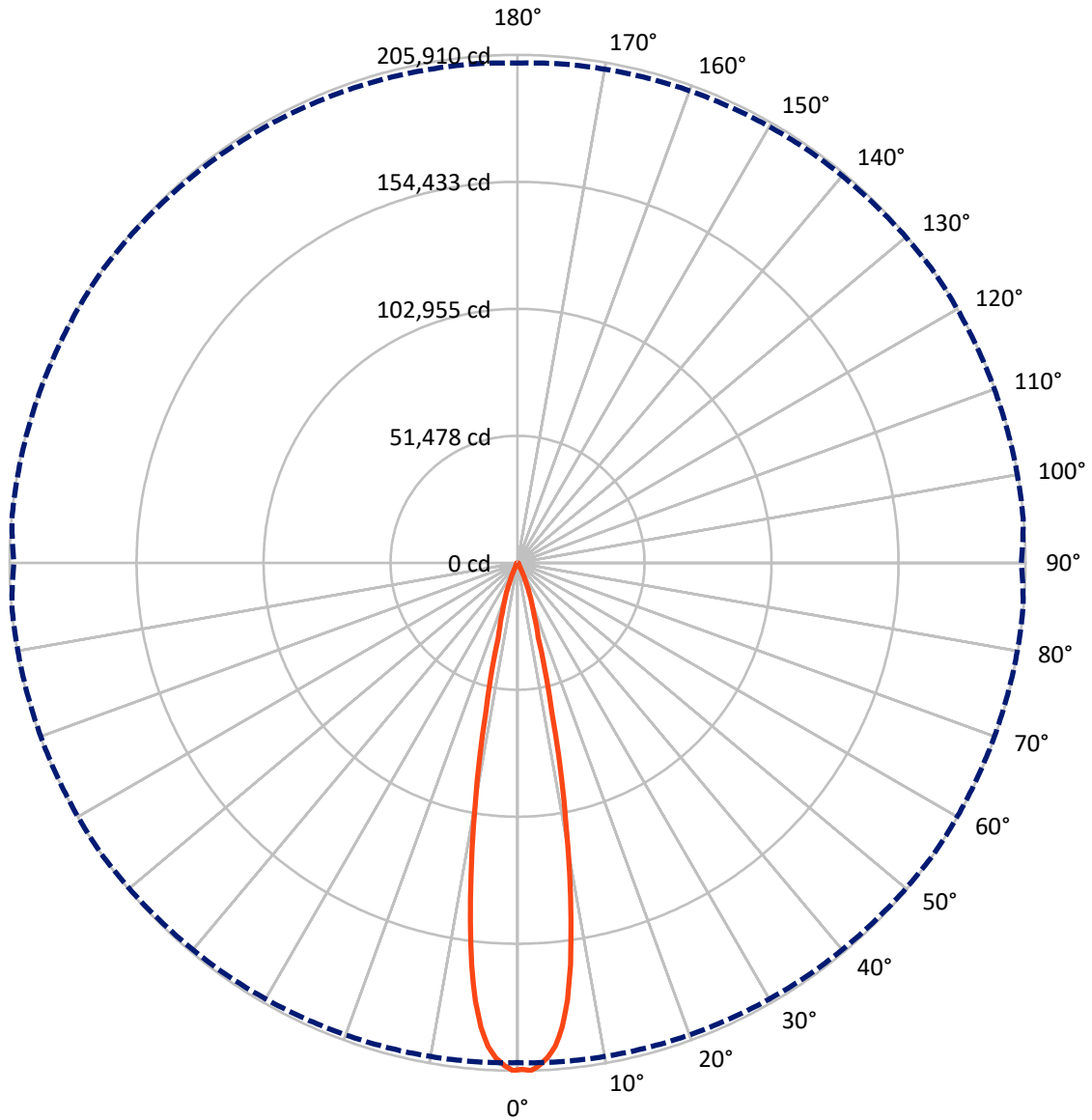
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 513.5 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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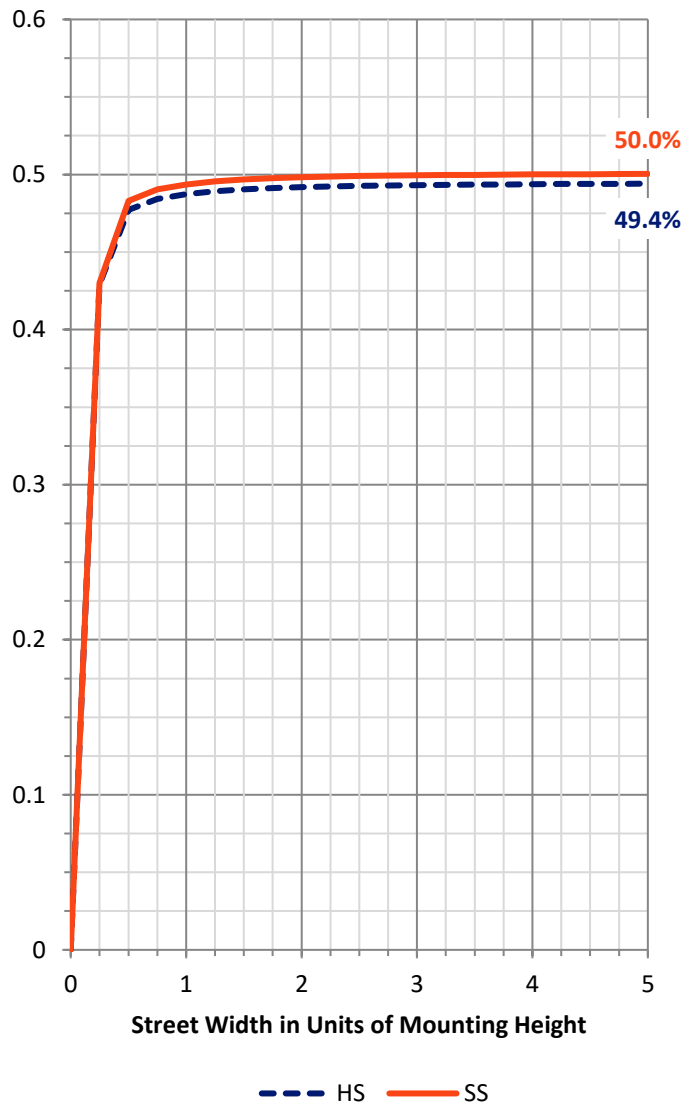
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14937.7	0.0	14937.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14937.7	0.0	14937.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29875.3	0.0	29875.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15178.9	50.8
10°-20°	10757.4	36.0
20°-30°	2520.7	8.4
30°-40°	526.8	1.8
40°-50°	339.9	1.1
50°-60°	251.7	0.8
60°-70°	171.1	0.6
70°-80°	91.3	0.3
80°-90°	37.4	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°	29875.3	100.0
0°-180°	29875.3	100.0

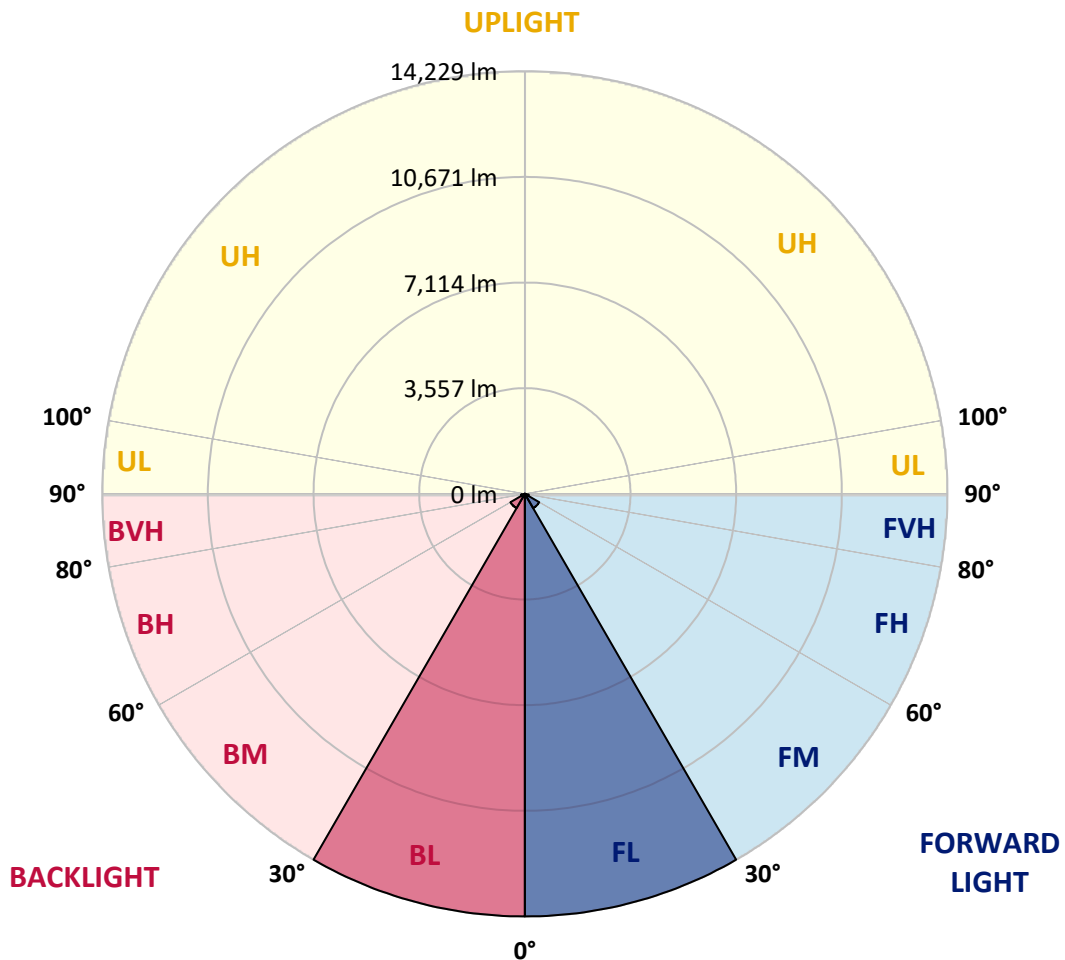


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14228.5	47.6			
FM (30°-60°)	559.2	1.9			
FH (60°-80°)	131.2	0.4			G0/660
FVH (80°-90°)	18.7	0.1			G1/100
BL (0°-30°)	14228.5	47.6	B5		
BM (30°-60°)	559.2	1.9	B1/1000		
BH (60°-80°)	131.2	0.4	B1/500		G0/660
BVH (80°-90°)	18.7	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°	205381.8	205381.8	205381.8	205381.8	205381.8	205381.8	205381.8	205381.8	205381.8	205381.8
1°	202618.6	202993.7	203453.4	203870.8	204499.5	205012.0	205910.2	205720.0	205693.6	205730.5
2°	198693.0	199163.3	199871.2	200288.6	201910.6	202576.3	203934.2	204335.7	204013.4	204378.0
3°	192812.6	193198.3	194307.8	195126.7	197229.5	199025.9	200843.4	201445.7	201070.6	201239.6
4°	185812.1	186208.3	187550.3	189219.9	192257.8	194249.7	196426.5	196965.4	195739.6	195824.1
5°	177480.2	177665.1	179308.2	180829.8	184464.8	186879.3	188945.2	189114.2	187994.1	187566.2
6°	168107.4	167774.5	169285.6	169930.2	174447.5	176909.6	178420.6	178225.1	177374.5	177009.9
7°	156970.0	156515.6	157736.1	157387.4	161386.9	162792.3	164245.2	163579.5	162903.2	163743.3
8°	144083.8	143830.2	143042.9	144469.4	145262.0	146519.4	146514.1	146128.4	146107.3	147507.4
9°	125348.8	127689.3	126997.2	128492.4	128291.7	128233.5	127847.9	127599.5	126542.8	128154.3
10°	104775.2	106307.4	107475.0	109704.6	109271.4	109884.3	107739.2	108103.8	107401.1	108732.5
12.5°	54234.2	55956.5	56965.7	58666.9	60537.3	62449.9	61831.7	61192.4	60236.1	61409.0
15°	26697.0	27378.6	27700.9	29428.6	30760.0	31240.8	31314.7	30749.4	30506.4	30760.0
17.5°	16383.8	16621.6	17556.8	19543.3	20695.1	20980.4	20795.5	20177.3	19485.2	19194.6
20°	11861.2	11929.9	12283.9	12669.6	14207.1	15010.2	14714.3	14106.7	13467.4	13166.2
22.5°	7745.5	7814.2	7930.4	8141.7	8553.8	9547.1	9224.8	8812.7	8379.5	8289.7
25°	4385.2	4385.2	4506.7	4723.4	5029.8	5103.8	5167.2	4728.6	4527.9	4438.1
27.5°	2446.2	2462.1	2488.5	2573.0	2726.2	2710.4	2641.7	2525.5	2388.1	2245.4
30°	1352.6	1368.4	1384.3	1405.4	1431.8	1384.3	1342.0	1320.9	1262.7	1246.9
32.5°	1014.4	1014.4	1025.0	1019.7	993.3	935.2	908.7	940.4	935.2	908.7
35°	834.8	834.8	845.3	866.5	813.6	771.4	750.2	792.5	792.5	776.7
37.5°	681.6	686.8	692.1	718.5	702.7	655.1	649.9	660.4	665.7	660.4
40°	597.0	591.7	591.7	597.0	586.5	575.9	565.3	560.0	565.3	560.0
42.5°	517.8	512.5	523.1	512.5	491.4	496.6	496.6	480.8	486.1	475.5
45°	454.4	449.1	454.4	443.8	428.0	433.2	433.2	412.1	412.1	406.8
47.5°	401.5	401.5	401.5	406.8	380.4	375.1	380.4	375.1	359.3	354.0
50°	348.7	354.0	359.3	369.8	343.4	332.9	332.9	332.9	322.3	317.0
52.5°	322.3	327.6	327.6	327.6	311.7	301.2	301.2	295.9	290.6	285.3
55°	311.7	311.7	311.7	290.6	285.3	280.0	264.2	258.9	253.6	253.6
57.5°	295.9	295.9	290.6	274.7	258.9	258.9	237.8	232.5	227.2	227.2
60°	264.2	264.2	264.2	258.9	237.8	232.5	211.3	200.8	195.5	195.5
62.5°	243.0	243.0	243.0	221.9	216.6	200.8	184.9	169.1	163.8	153.2
65°	221.9	221.9	221.9	200.8	190.2	174.4	153.2	137.4	126.8	111.0
67.5°	206.1	206.1	200.8	184.9	169.1	147.9	126.8	111.0	89.8	79.3
70°	179.6	179.6	174.4	163.8	147.9	132.1	105.7	84.5	68.7	52.8
72.5°	153.2	153.2	147.9	137.4	126.8	111.0	89.8	74.0	47.6	37.0
75°	126.8	126.8	121.5	111.0	105.7	95.1	79.3	58.1	37.0	15.9
77.5°	105.7	105.7	100.4	95.1	89.8	79.3	68.7	47.6	26.4	10.6
80°	79.3	84.5	84.5	84.5	74.0	68.7	63.4	47.6	21.1	5.3
82.5°	58.1	63.4	63.4	63.4	58.1	52.8	58.1	42.3	21.1	5.3
85°	42.3	42.3	47.6	47.6	47.6	47.6	63.4	47.6	15.9	5.3
87.5°	21.1	21.1	21.1	21.1	21.1	26.4	31.7	26.4	10.6	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°  
205381.8  
*204256.5*  
202993.7  
199971.6  
194566.7  
186673.3  
176191.0  
163484.4  
143624.1  
125148.0  
105319.4  
58233.7  
29576.5  
18787.8  
12933.8  
8104.7  
4364.1  
2250.7  
1246.9  
892.9  
771.4  
660.4  
565.3  
480.8  
406.8  
354.0  
311.7  
280.0  
248.3  
227.2  
190.2  
142.7  
111.0  
74.0  
52.8  
31.7  
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