

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: P636031

Luminaire Tested: **IFLD-M-SA4E-930-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636031  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4E-930-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (64) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22017.5 lumens  
Efficiency: N/A  
Efficacy: 69.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

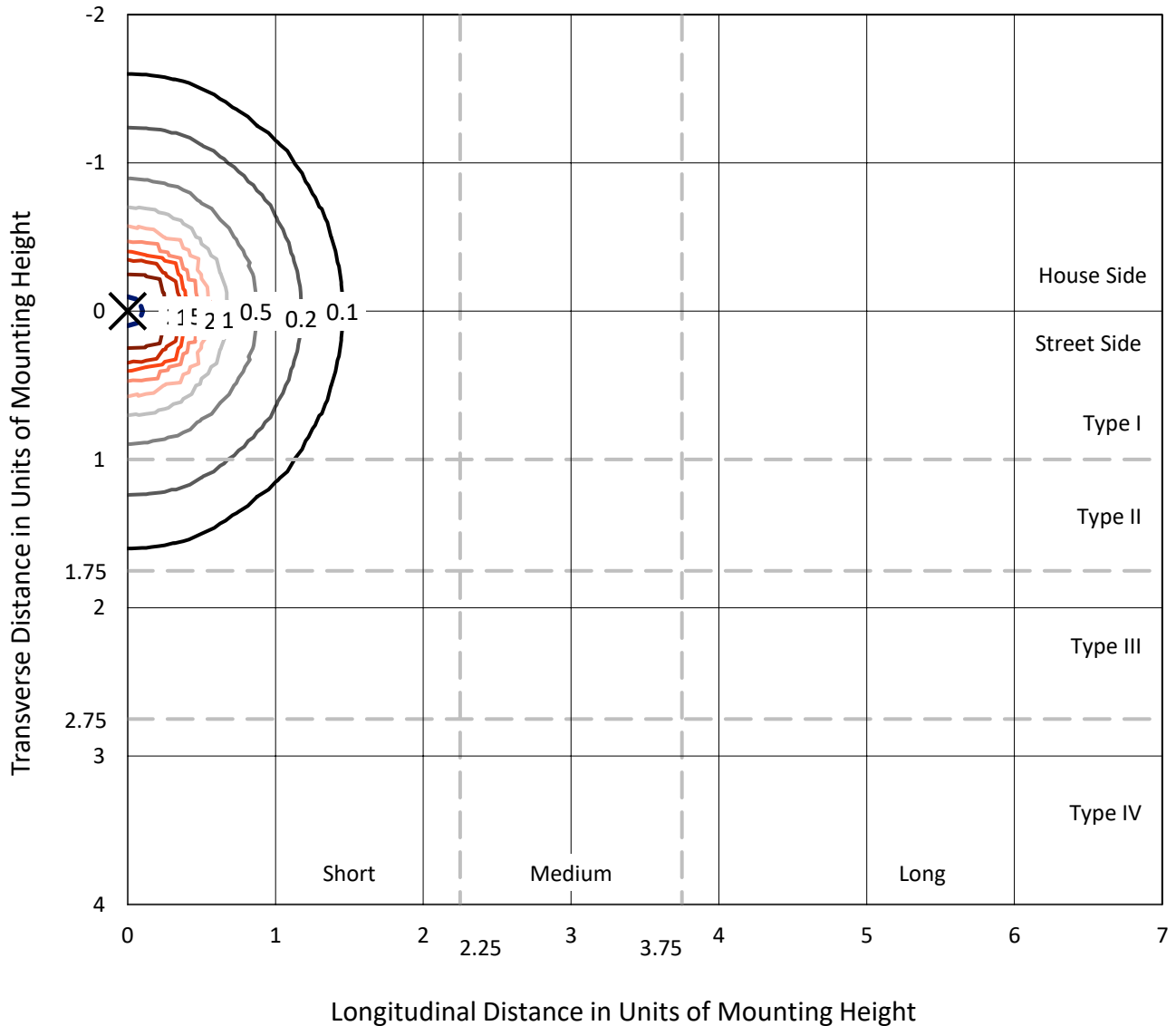
Input Watts (W): 314.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

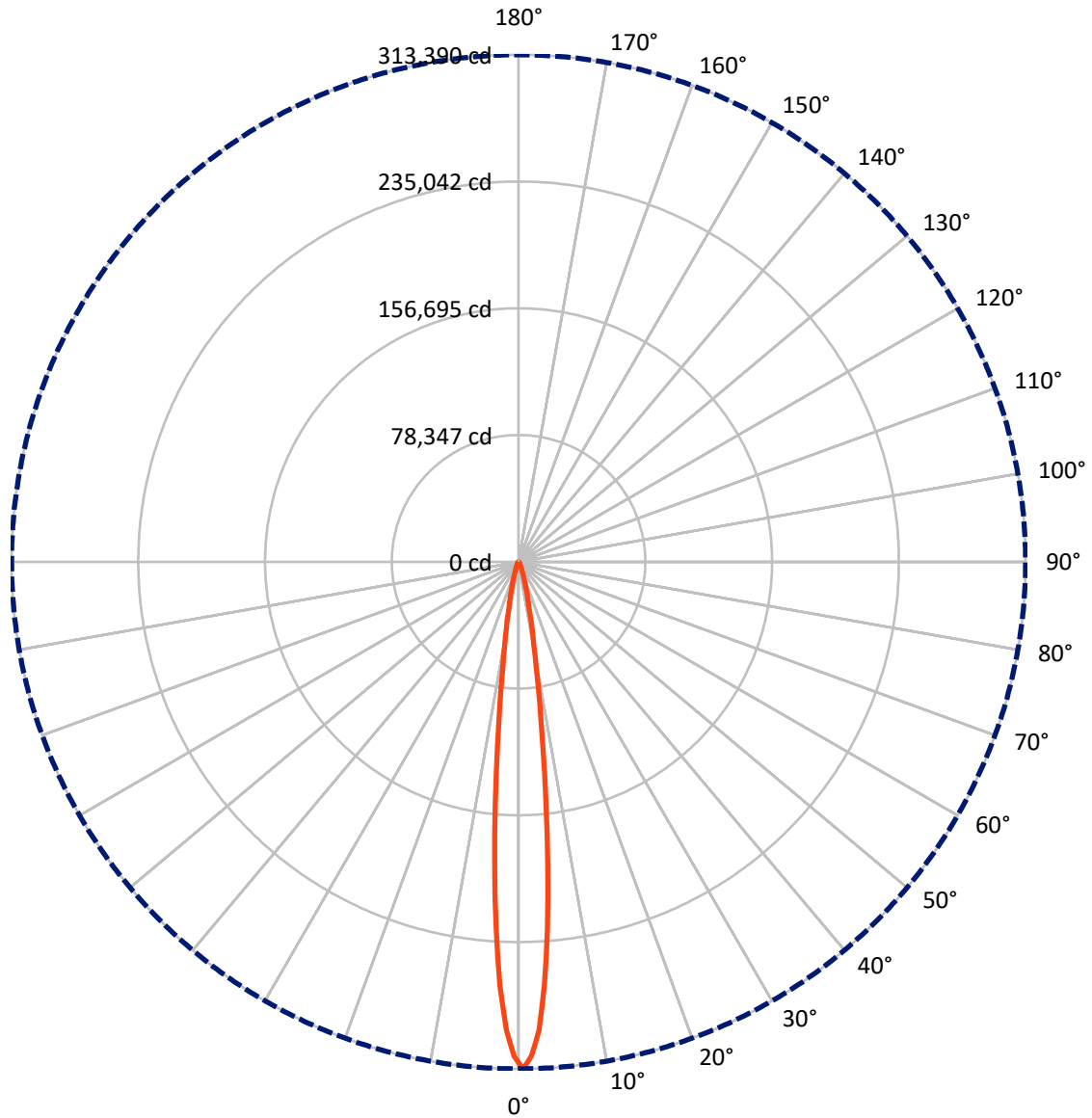
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 783.5 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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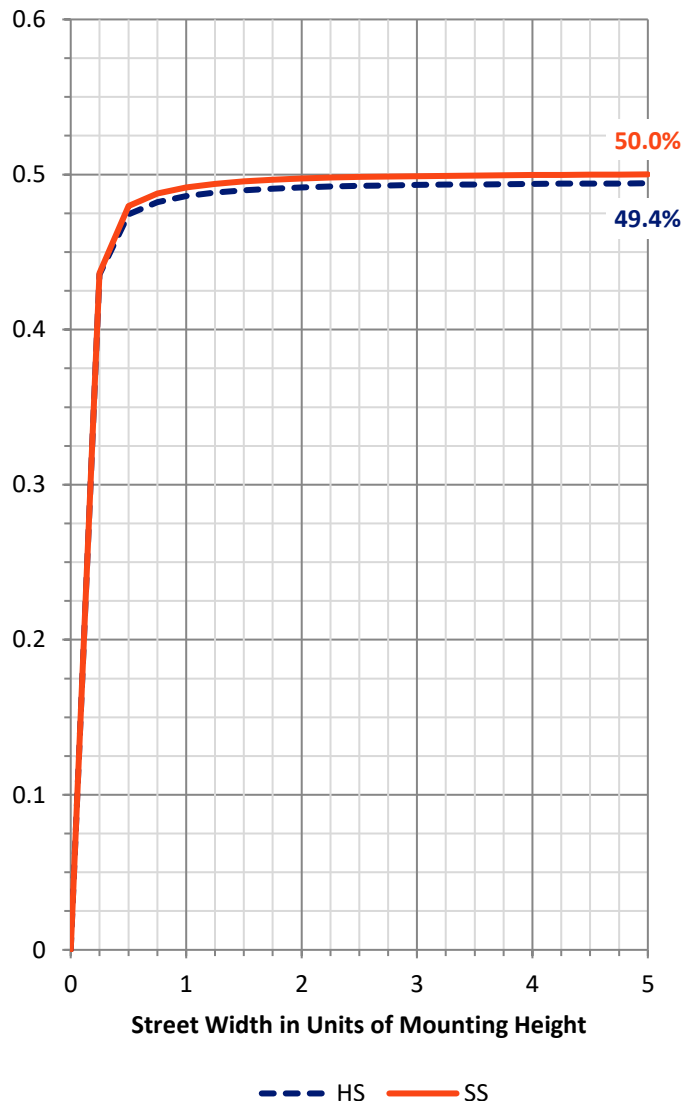
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11008.7	0.0	11008.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11008.7	0.0	11008.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22017.5	0.0	22017.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13421.4	61.0
10°-20°	6012.9	27.3
20°-30°	1342.8	6.1
30°-40°	438.3	2.0
40°-50°	302.3	1.4
50°-60°	228.4	1.0
60°-70°	156.3	0.7
70°-80°	82.3	0.4
80°-90°	32.8	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°	22017.5	100.0
0°-180°	22017.5	100.0

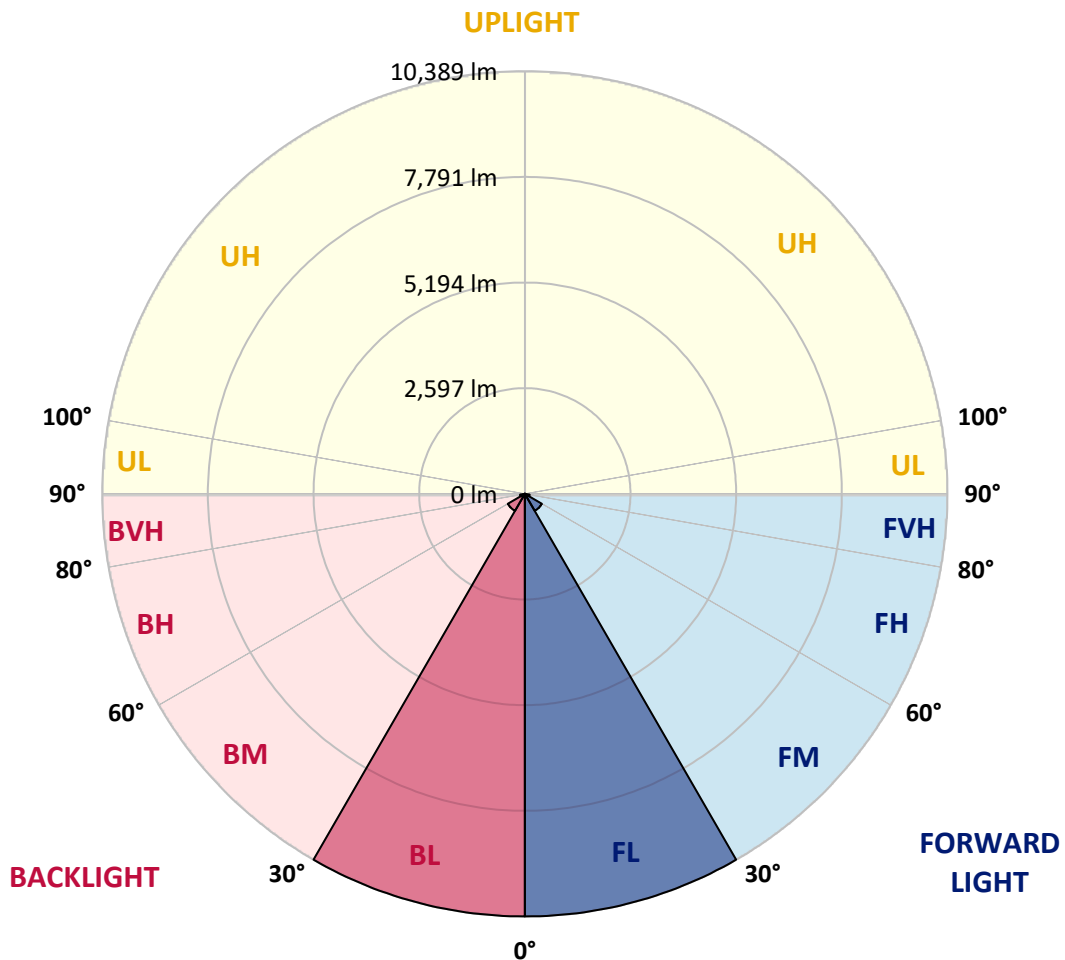


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10388.6	47.2			
FM (30°-60°)	484.5	2.2			
FH (60°-80°)	119.3	0.5			G0/660
FVH (80°-90°)	16.4	0.1			G1/100
BL (0°-30°)	10388.6	47.2	B5		
BM (30°-60°)	484.5	2.2	B1/1000		
BH (60°-80°)	119.3	0.5	B1/500		G0/660
BVH (80°-90°)	16.4	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°	313389.8	313389.8	313389.8	313389.8	313389.8	313389.8	313389.8	313389.8	313389.8	313389.8
1°	305609.1	306024.8	305562.0	307899.4	308864.1	309366.1	309424.9	310742.6	309726.9	310009.3
2°	289502.5	290428.1	288879.0	290377.1	293373.3	294506.7	292659.5	294942.0	294126.3	294600.8
3°	262438.6	263572.0	261430.7	263262.2	267117.3	267980.0	264952.5	268195.7	268113.4	268795.8
4°	227554.8	229394.1	226335.1	228503.9	230209.8	233213.9	230280.4	233970.7	233900.2	235084.5
5°	187957.0	189945.3	187286.4	189537.5	191153.2	192270.9	191196.4	195278.9	195537.7	196761.3
6°	149210.3	151065.3	148096.5	150245.6	152806.5	153265.4	152986.9	156500.8	157281.2	156328.2
7°	114832.3	115295.1	114828.4	116781.4	118836.4	118910.9	119271.7	122362.1	123048.4	122719.0
8°	87944.9	85827.2	87646.9	88682.2	89317.5	92235.3	92451.0	94007.9	95270.7	95360.9
9°	66944.0	64983.2	67089.1	67500.9	68959.8	71552.1	71226.6	72928.6	73720.8	73669.8
10°	51037.5	50041.3	51096.3	51551.2	52751.3	54947.4	55327.8	56108.3	56696.5	57080.9
12.5°	27695.3	27926.7	28538.5	29016.9	30632.7	31217.0	31452.3	31519.0	31515.1	31577.8
15°	17204.7	17392.9	17820.4	18687.1	19671.4	20396.9	20498.9	20122.4	19796.9	19745.9
17.5°	10729.9	10655.4	11659.3	12608.4	13792.7	14169.2	13777.1	13345.7	12902.5	12647.6
20°	6439.5	6490.5	6831.7	7255.2	8212.1	8863.1	8455.3	8016.0	7557.2	7255.2
22.5°	3659.0	3713.9	3862.9	4082.5	4447.2	5039.4	4780.6	4337.4	4011.9	3878.6
25°	2160.9	2160.9	2251.1	2349.1	2502.1	2639.3	2584.4	2349.1	2157.0	2102.1
27.5°	1400.1	1388.3	1419.7	1466.7	1537.3	1545.2	1482.4	1411.8	1313.8	1278.5
30°	1023.6	1027.5	1023.6	1043.2	1039.3	1011.8	972.6	976.5	937.3	933.4
32.5°	831.4	835.3	835.3	831.4	811.8	768.7	741.2	768.7	760.8	753.0
35°	690.2	694.1	733.4	729.4	698.1	651.0	631.4	662.8	686.3	651.0
37.5°	596.1	600.0	631.4	647.1	607.9	576.5	553.0	580.4	615.7	576.5
40°	525.5	529.4	537.3	541.2	521.6	505.9	494.1	502.0	517.7	498.1
42.5°	462.8	458.8	462.8	458.8	435.3	443.2	435.3	423.5	435.3	419.6
45°	403.9	403.9	403.9	392.2	368.6	384.3	376.5	364.7	368.6	356.9
47.5°	368.6	368.6	368.6	353.0	333.3	333.3	337.3	317.7	321.6	317.7
50°	333.3	333.3	341.2	325.5	309.8	298.1	302.0	286.3	290.2	286.3
52.5°	305.9	305.9	305.9	298.1	286.3	278.4	270.6	262.8	258.8	254.9
55°	294.1	294.1	290.2	266.7	262.8	254.9	239.2	235.3	227.5	223.5
57.5°	274.5	274.5	270.6	251.0	235.3	235.3	211.8	207.9	196.1	196.1
60°	243.1	243.1	239.2	235.3	215.7	203.9	188.2	180.4	168.6	164.7
62.5°	231.4	231.4	223.5	203.9	200.0	180.4	164.7	149.0	141.2	133.3
65°	215.7	211.8	207.9	188.2	172.6	160.8	141.2	121.6	113.7	98.0
67.5°	192.2	192.2	188.2	172.6	156.9	137.3	117.7	102.0	82.4	70.6
70°	168.6	164.7	164.7	149.0	137.3	121.6	94.1	78.4	58.8	47.1
72.5°	141.2	141.2	137.3	125.5	117.7	105.9	82.4	62.7	39.2	31.4
75°	113.7	113.7	109.8	102.0	98.0	86.3	70.6	54.9	31.4	15.7
77.5°	94.1	90.2	90.2	82.4	78.4	70.6	58.8	43.1	23.5	11.8
80°	70.6	70.6	74.5	70.6	62.7	58.8	51.0	39.2	19.6	7.8
82.5°	51.0	51.0	54.9	54.9	54.9	51.0	51.0	39.2	19.6	3.9
85°	35.3	35.3	43.1	39.2	39.2	43.1	62.7	51.0	15.7	3.9
87.5°	19.6	19.6	19.6	15.7	15.7	19.6	23.5	19.6	7.8	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
313389.8  
307934.7  
292906.6  
266964.3  
233006.0  
194424.0  
156426.3  
122268.0  
94223.6  
74869.9  
57308.3  
31628.8  
19589.1  
12608.4  
7321.9  
3894.3  
2094.2  
1278.5  
929.5  
737.3  
643.2  
572.6  
490.2  
419.6  
356.9  
317.7  
286.3  
254.9  
219.6  
196.1  
156.9  
129.4  
94.1  
70.6  
47.1  
27.5  
15.7  
7.8  
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