

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: P636306

Luminaire Tested: **IFLD-S-SA2E-930-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636306  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2E-930-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (32) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10829.5 lumens  
Efficiency: N/A  
Efficacy: 69.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

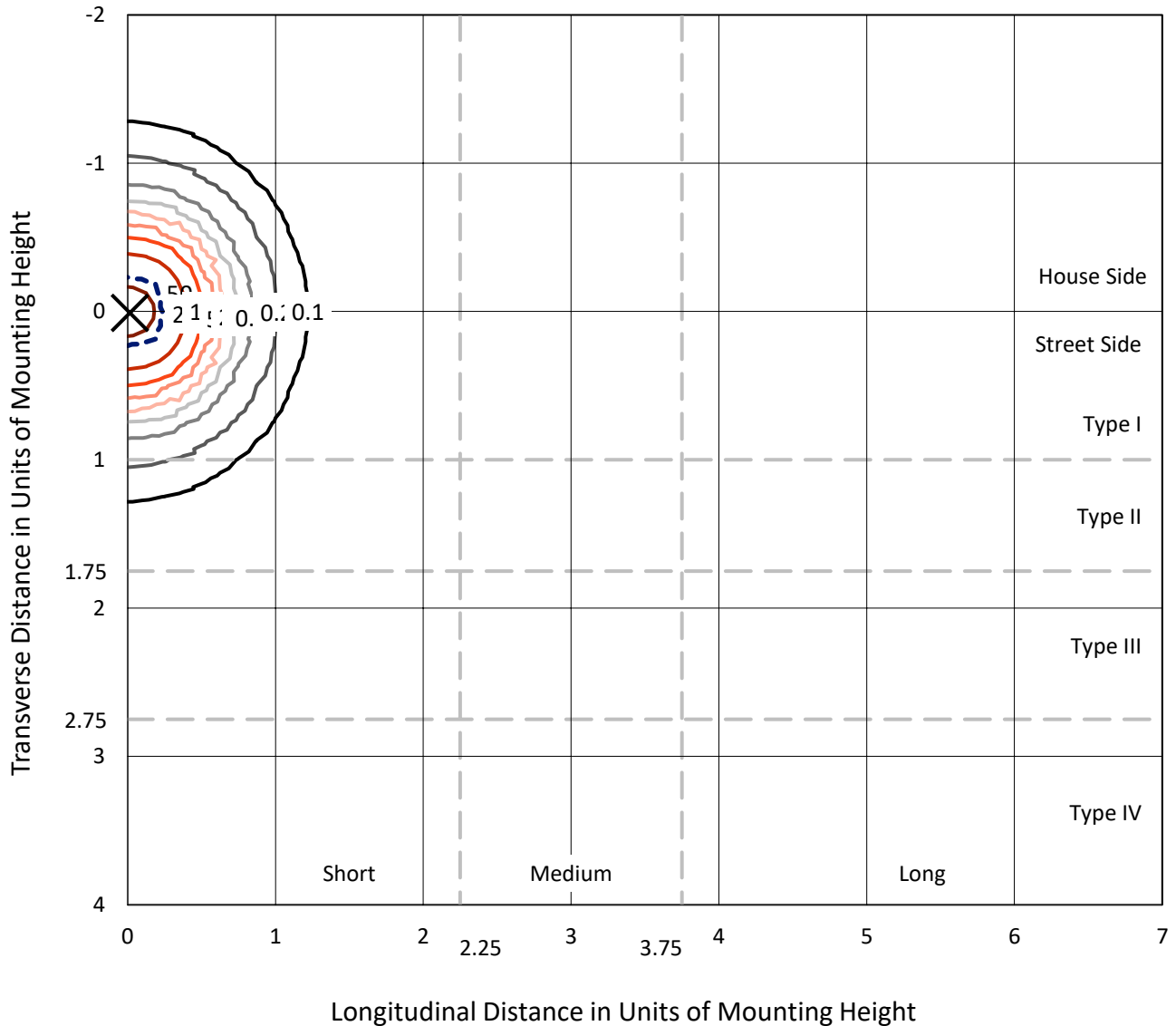
Input Watts (W): 156.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

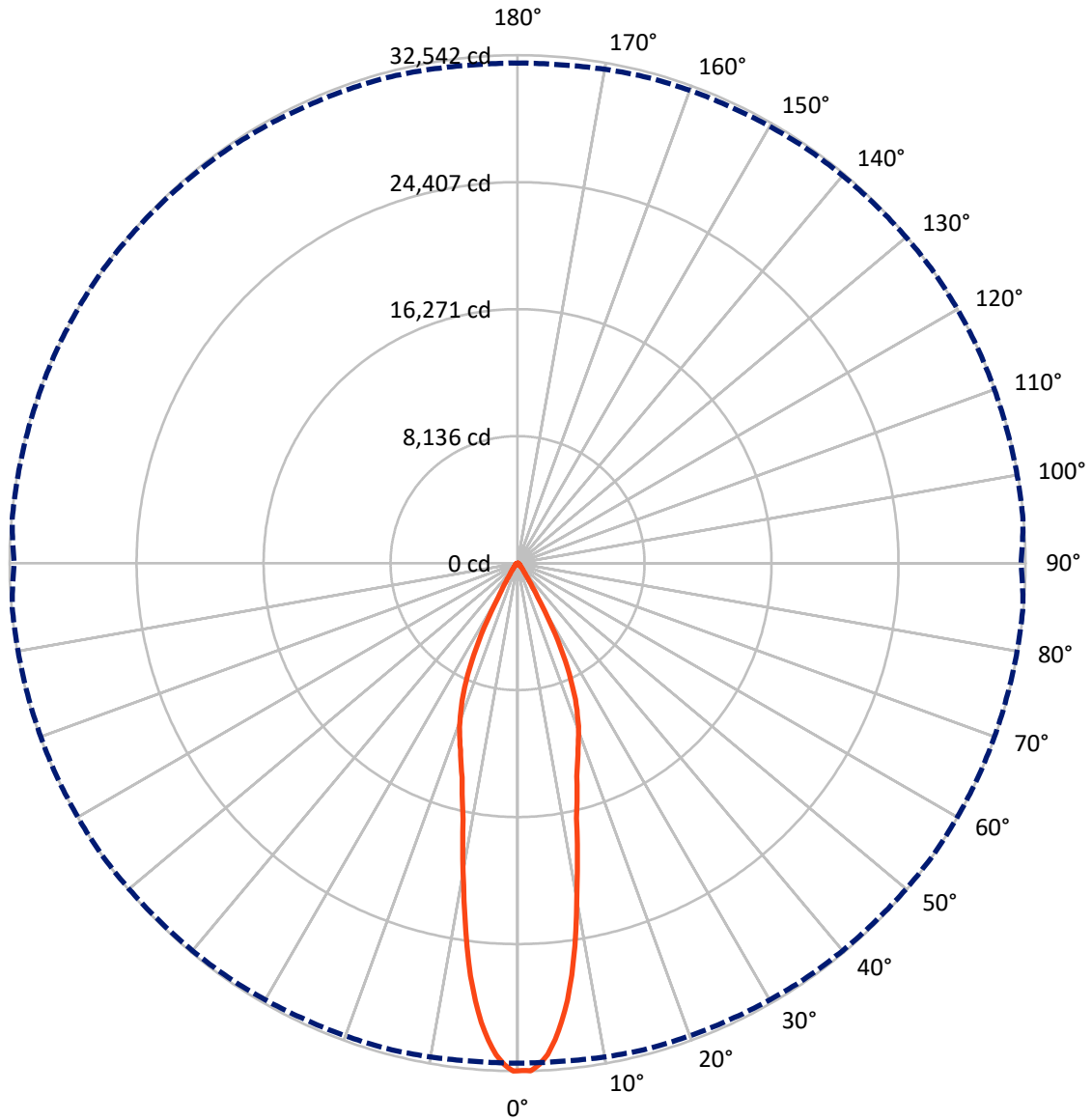
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 81.3 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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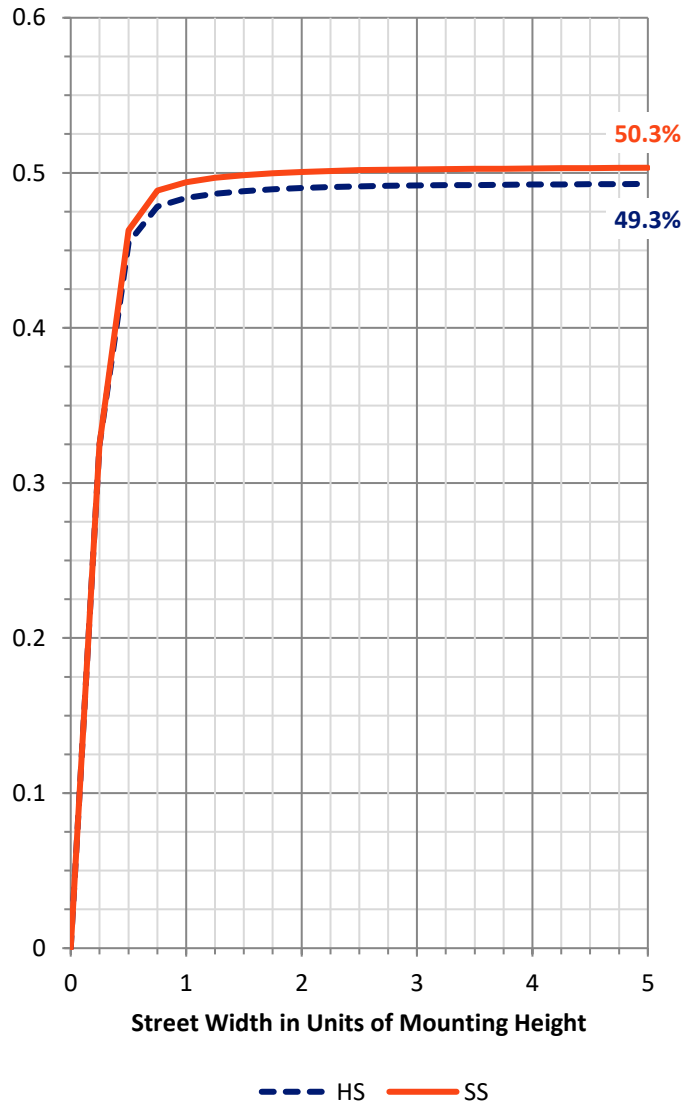
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5414.7	0.0	5414.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5414.7	0.0	5414.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10829.5	0.0	10829.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2473.1	22.8
10°-20°	4039.3	37.3
20°-30°	3156.5	29.1
30°-40°	688.0	6.4
40°-50°	203.7	1.9
50°-60°	127.4	1.2
60°-70°	89.1	0.8
70°-80°	38.2	0.4
80°-90°	14.1	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°	10829.5	100.0
0°-180°	10829.5	100.0

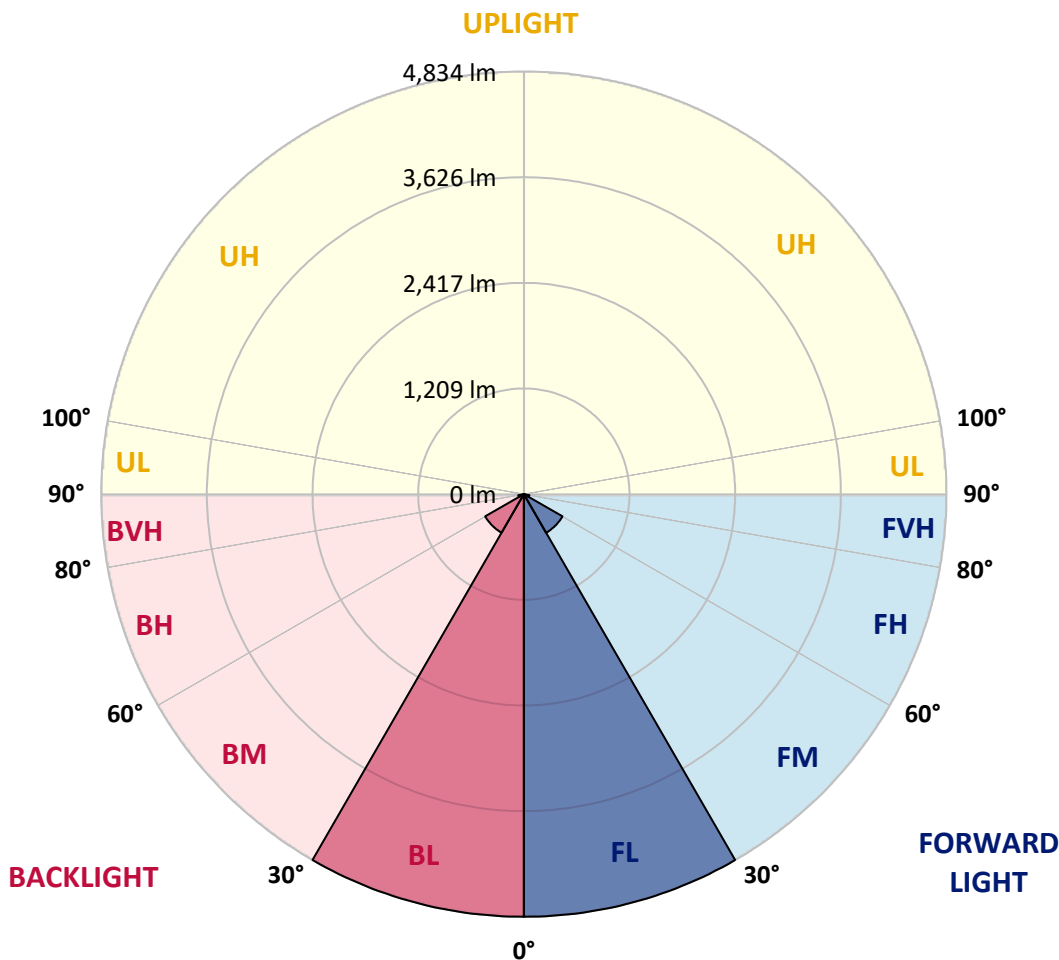


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4834.5	44.6			
FM (30°-60°)	509.6	4.7			
FH (60°-80°)	63.7	0.6			G0/660
FVH (80°-90°)	7.1	0.1			G0/10
BL (0°-30°)	4834.5	44.6	B4/5000		
BM (30°-60°)	509.6	4.7	B1/1000		
BH (60°-80°)	63.7	0.6	B0/110		G0/660
BVH (80°-90°)	7.1	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°	32504.8	32504.8	32504.8	32504.8	32504.8	32504.8	32504.8	32504.8	32504.8	32504.8
1°	32034.3	32038.2	32212.7	32251.9	32371.5	32432.3	32542.1	32530.3	32497.0	32500.9
2°	31444.2	31418.7	31581.4	31761.8	31904.9	32022.5	32153.9	32181.3	32150.0	32179.4
3°	30473.8	30436.5	30663.9	30889.4	31138.4	31340.3	31538.3	31546.2	31508.9	31506.9
4°	29197.5	29128.9	29399.4	29801.3	30115.0	30383.6	30630.6	30626.7	30575.7	30616.9
5°	27654.6	27568.3	27919.3	28448.6	28913.2	29236.7	29509.2	29444.5	29326.9	29332.8
6°	25760.8	25845.1	26274.4	27017.4	27566.4	27835.0	28170.2	28048.6	27844.8	27823.2
7°	23980.6	24170.8	24513.9	25409.8	26062.7	26345.0	26629.3	26384.2	26107.8	26062.7
8°	22106.4	22424.0	22898.5	23723.8	24419.8	24704.1	24811.9	24549.2	24253.1	24241.4
9°	20587.0	20804.7	21212.4	21939.8	22647.5	22837.7	22861.2	22631.8	22335.8	22355.4
10°	19204.9	19246.1	19599.0	20224.4	20790.9	20926.2	20920.3	20753.7	20510.6	20575.3
12.5°	16111.3	16223.0	16325.0	16524.9	16715.1	16803.3	16770.0	16701.4	16568.1	16573.9
15°	14011.6	14009.6	14021.4	14113.5	14170.4	14180.2	14180.2	14093.9	14037.1	14121.4
17.5°	12158.9	12260.9	12443.2	12517.7	12592.2	12564.7	12513.8	12474.6	12437.3	12509.8
20°	10718.0	10763.1	10765.0	10814.0	11190.4	11210.0	11145.4	11033.6	10939.5	10921.9
22.5°	9096.6	9165.3	9194.7	9237.8	9277.0	9563.2	9486.8	9306.4	9194.7	9161.3
25°	6828.4	6804.8	6997.0	7349.9	7406.7	7442.0	7422.4	7328.3	7255.8	7269.5
27.5°	4718.9	4760.1	4752.2	4756.1	5130.6	5128.6	5122.7	5040.4	5018.8	4987.5
30°	2638.8	2619.2	2629.0	2603.5	2550.6	2615.3	2511.4	2599.6	2513.3	2540.8
32.5°	1560.5	1546.8	1533.1	1539.0	1499.8	1403.7	1362.5	1423.3	1403.7	1395.9
35°	995.9	1001.8	1019.5	1017.5	982.2	927.3	868.5	923.4	915.5	892.0
37.5°	635.2	635.2	641.1	692.1	662.6	615.6	574.4	597.9	596.0	592.1
40°	450.9	450.9	458.8	472.5	456.8	433.3	409.7	409.7	413.7	401.9
42.5°	335.2	335.2	343.1	350.9	331.3	323.5	311.7	303.9	313.7	303.9
45°	262.7	260.7	262.7	258.8	247.0	247.0	237.2	225.5	237.2	231.3
47.5°	215.7	213.7	211.7	203.9	192.1	194.1	190.2	180.4	186.2	184.3
50°	188.2	184.3	186.2	178.4	168.6	166.6	166.6	156.8	158.8	158.8
52.5°	164.7	164.7	162.7	158.8	154.9	147.0	149.0	139.2	139.2	139.2
55°	154.9	154.9	151.0	143.1	145.1	139.2	133.3	127.4	125.5	125.5
57.5°	152.9	152.9	151.0	143.1	137.2	135.3	127.4	119.6	113.7	115.7
60°	149.0	149.0	145.1	143.1	133.3	129.4	117.6	111.7	103.9	103.9
62.5°	143.1	141.2	133.3	121.6	121.6	111.7	103.9	92.1	86.3	84.3
65°	121.6	119.6	113.7	103.9	98.0	92.1	80.4	68.6	64.7	58.8
67.5°	100.0	100.0	96.1	86.3	82.3	74.5	60.8	52.9	43.1	39.2
70°	82.3	82.3	78.4	72.5	68.6	58.8	47.1	39.2	29.4	25.5
72.5°	66.7	66.7	62.7	58.8	54.9	49.0	39.2	29.4	19.6	15.7
75°	52.9	52.9	51.0	47.1	43.1	39.2	31.4	23.5	13.7	7.8
77.5°	43.1	43.1	41.2	39.2	35.3	31.4	25.5	19.6	9.8	3.9
80°	33.3	33.3	33.3	33.3	29.4	25.5	21.6	15.7	7.8	2.0
82.5°	23.5	23.5	25.5	29.4	23.5	19.6	19.6	15.7	5.9	2.0
85°	15.7	17.6	19.6	17.6	15.7	15.7	27.4	25.5	5.9	2.0
87.5°	7.8	7.8	7.8	7.8	7.8	5.9	7.8	5.9	3.9	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°  
32504.8  
32259.8  
31948.1  
31336.4  
30422.8  
29046.5  
27537.0  
25849.0  
23812.0  
22063.3  
20347.9  
16379.8  
13925.3  
12343.2  
10808.1  
9041.8  
7222.4  
4873.8  
2574.1  
1376.3  
866.5  
584.2  
398.0  
301.9  
231.3  
184.3  
160.8  
139.2  
123.5  
115.7  
98.0  
80.4  
56.9  
37.2  
23.5  
13.7  
5.9  
3.9  
2.0  
2.0  
2.0  
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