

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: P636302

Luminaire Tested: **IFLD-S-SA2A-930-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636302  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-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: 5524 lumens  
Efficiency: N/A  
Efficacy: 86.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

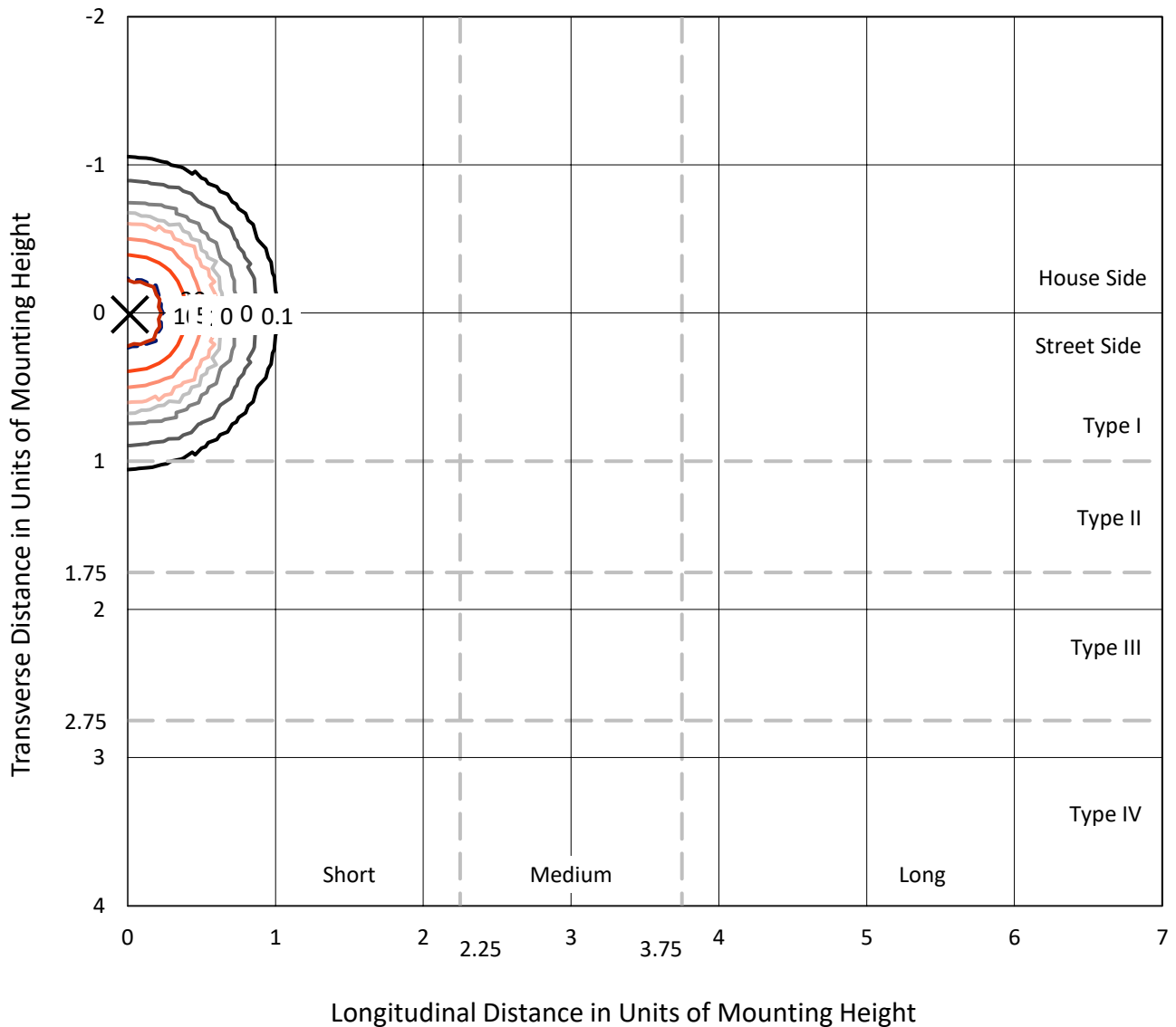
Input Watts (W): 63.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

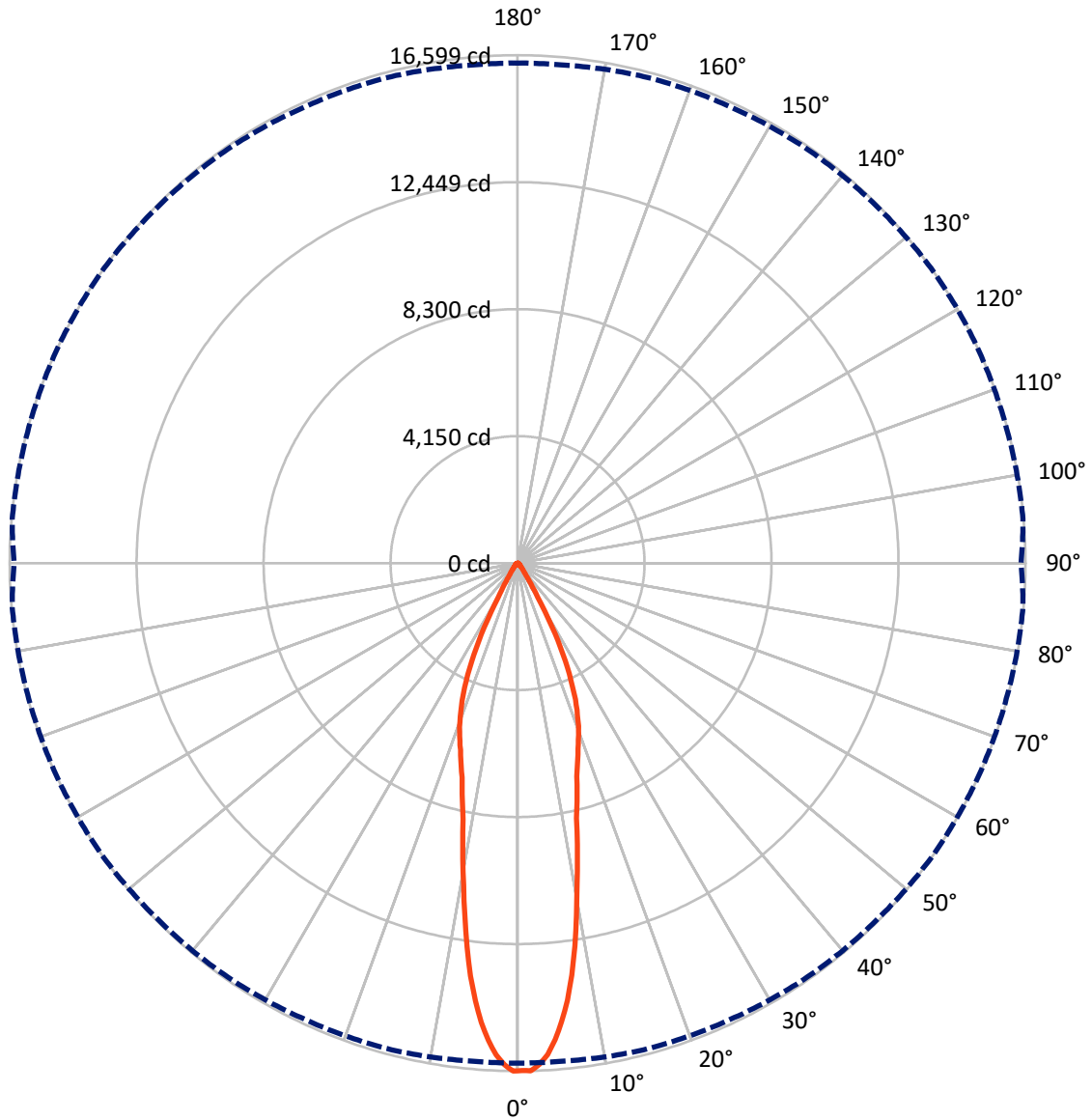
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 41.5 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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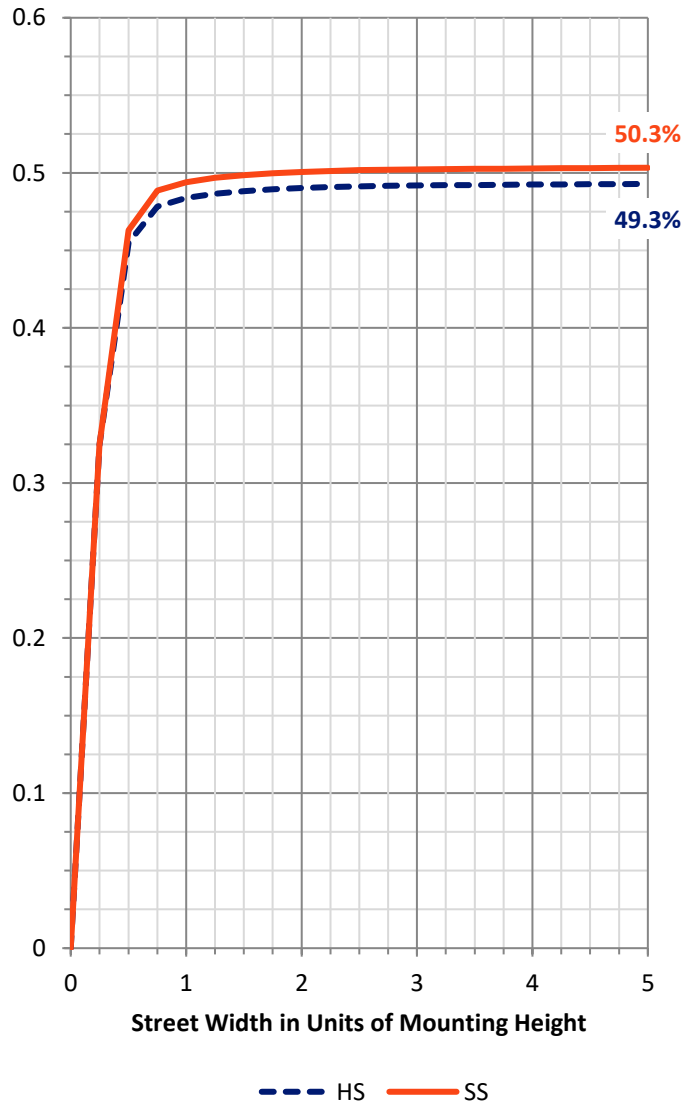
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2762.0	0.0	2762.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2762.0	0.0	2762.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5524.0	0.0	5524.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1261.5	22.8
10°-20°	2060.4	37.3
20°-30°	1610.1	29.1
30°-40°	350.9	6.4
40°-50°	103.9	1.9
50°-60°	65.0	1.2
60°-70°	45.4	0.8
70°-80°	19.5	0.4
80°-90°	7.2	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°	5524.0	100.0
0°-180°	5524.0	100.0



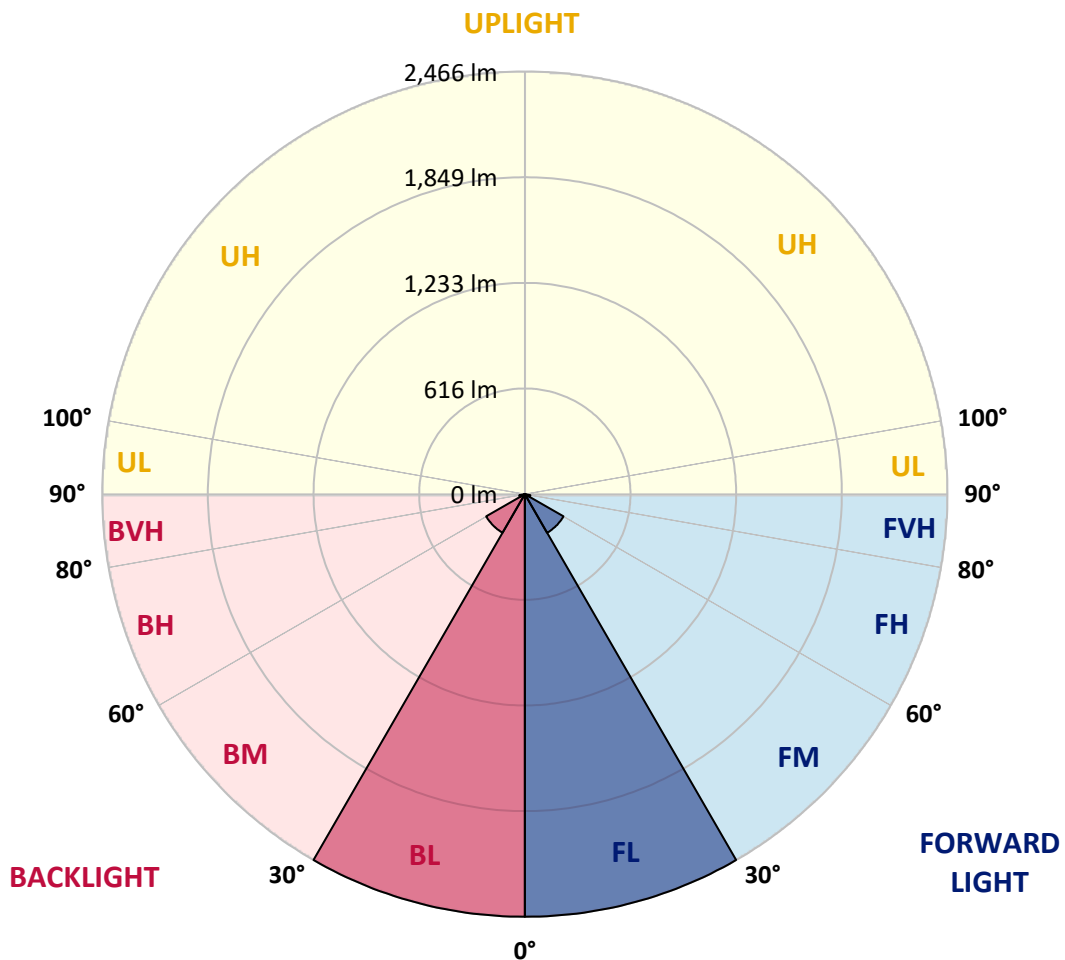
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2466.0	44.6			
FM (30°-60°)	259.9	4.7			
FH (60°-80°)	32.5	0.6			G0/660
FVH (80°-90°)	3.6	0.1			G0/10
BL (0°-30°)	2466.0	44.6	B3/2500		
BM (30°-60°)	259.9	4.7	B1/1000		
BH (60°-80°)	32.5	0.6	B0/110		G0/660
BVH (80°-90°)	3.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	16580.2	16580.2	16580.2	16580.2	16580.2	16580.2	16580.2	16580.2	16580.2	16580.2
1°	16340.2	16342.2	16431.2	16451.2	16512.2	16543.2	16599.2	16593.2	16576.2	16578.2
2°	16039.2	16026.2	16109.2	16201.2	16274.2	16334.2	16401.2	16415.2	16399.2	16414.2
3°	15544.2	15525.2	15641.2	15756.2	15883.2	15986.2	16087.2	16091.2	16072.2	16071.2
4°	14893.2	14858.2	14996.2	15201.2	15361.2	15498.2	15624.2	15622.2	15596.2	15617.2
5°	14106.2	14062.2	14241.2	14511.2	14748.2	14913.2	15052.2	15019.2	14959.2	14962.2
6°	13140.2	13183.2	13402.2	13781.2	14061.2	14198.2	14369.2	14307.2	14203.2	14192.2
7°	12232.2	12329.2	12504.2	12961.2	13294.2	13438.2	13583.2	13458.2	13317.2	13294.2
8°	11276.2	11438.2	11680.2	12101.2	12456.2	12601.2	12656.2	12522.2	12371.2	12365.2
9°	10501.1	10612.1	10820.2	11191.2	11552.2	11649.2	11661.2	11544.2	11393.2	11403.2
10°	9796.1	9817.1	9997.1	10316.1	10605.1	10674.1	10671.1	10586.1	10462.1	10495.1
12.5°	8218.1	8275.1	8327.1	8429.1	8526.1	8571.1	8554.1	8519.1	8451.1	8454.1
15°	7147.1	7146.1	7152.1	7199.1	7228.1	7233.1	7233.1	7189.1	7160.1	7203.1
17.5°	6202.1	6254.1	6347.1	6385.1	6423.1	6409.1	6383.1	6363.1	6344.1	6381.1
20°	5467.1	5490.1	5491.1	5516.1	5708.1	5718.1	5685.1	5628.1	5580.1	5571.1
22.5°	4640.1	4675.1	4690.1	4712.1	4732.1	4878.1	4839.1	4747.1	4690.1	4673.1
25°	3483.0	3471.0	3569.0	3749.1	3778.1	3796.1	3786.1	3738.1	3701.1	3708.1
27.5°	2407.0	2428.0	2424.0	2426.0	2617.0	2616.0	2613.0	2571.0	2560.0	2544.0
30°	1346.0	1336.0	1341.0	1328.0	1301.0	1334.0	1281.0	1326.0	1282.0	1296.0
32.5°	796.0	789.0	782.0	785.0	765.0	716.0	695.0	726.0	716.0	712.0
35°	508.0	511.0	520.0	519.0	501.0	473.0	443.0	471.0	467.0	455.0
37.5°	324.0	324.0	327.0	353.0	338.0	314.0	293.0	305.0	304.0	302.0
40°	230.0	230.0	234.0	241.0	233.0	221.0	209.0	209.0	211.0	205.0
42.5°	171.0	171.0	175.0	179.0	169.0	165.0	159.0	155.0	160.0	155.0
45°	134.0	133.0	134.0	132.0	126.0	126.0	121.0	115.0	121.0	118.0
47.5°	110.0	109.0	108.0	104.0	98.0	99.0	97.0	92.0	95.0	94.0
50°	96.0	94.0	95.0	91.0	86.0	85.0	85.0	80.0	81.0	81.0
52.5°	84.0	84.0	83.0	81.0	79.0	75.0	76.0	71.0	71.0	71.0
55°	79.0	79.0	77.0	73.0	74.0	71.0	68.0	65.0	64.0	64.0
57.5°	78.0	78.0	77.0	73.0	70.0	69.0	65.0	61.0	58.0	59.0
60°	76.0	76.0	74.0	73.0	68.0	66.0	60.0	57.0	53.0	53.0
62.5°	73.0	72.0	68.0	62.0	62.0	57.0	53.0	47.0	44.0	43.0
65°	62.0	61.0	58.0	53.0	50.0	47.0	41.0	35.0	33.0	30.0
67.5°	51.0	51.0	49.0	44.0	42.0	38.0	31.0	27.0	22.0	20.0
70°	42.0	42.0	40.0	37.0	35.0	30.0	24.0	20.0	15.0	13.0
72.5°	34.0	34.0	32.0	30.0	28.0	25.0	20.0	15.0	10.0	8.0
75°	27.0	27.0	26.0	24.0	22.0	20.0	16.0	12.0	7.0	4.0
77.5°	22.0	22.0	21.0	20.0	18.0	16.0	13.0	10.0	5.0	2.0
80°	17.0	17.0	17.0	17.0	15.0	13.0	11.0	8.0	4.0	1.0
82.5°	12.0	12.0	13.0	15.0	12.0	10.0	10.0	8.0	3.0	1.0
85°	8.0	9.0	10.0	9.0	8.0	8.0	14.0	13.0	3.0	1.0
87.5°	4.0	4.0	4.0	4.0	4.0	3.0	4.0	3.0	2.0	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°  
16580.2  
*16455.2*  
16296.2  
15984.2  
15518.2  
14816.2  
14046.2  
13185.2  
12146.2  
11254.2  
10379.1  
8355.1  
7103.1  
6296.1  
5513.1  
4612.1  
3684.1  
2486.0  
1313.0  
702.0  
442.0  
298.0  
203.0  
154.0  
118.0  
94.0  
82.0  
71.0  
63.0  
59.0  
50.0  
41.0  
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19.0  
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