

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: P636142

Luminaire Tested: **IFLD-S-SA6E-927-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636142  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6E-927-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (96) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32057.8 lumens  
Efficiency: N/A  
Efficacy: 69.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

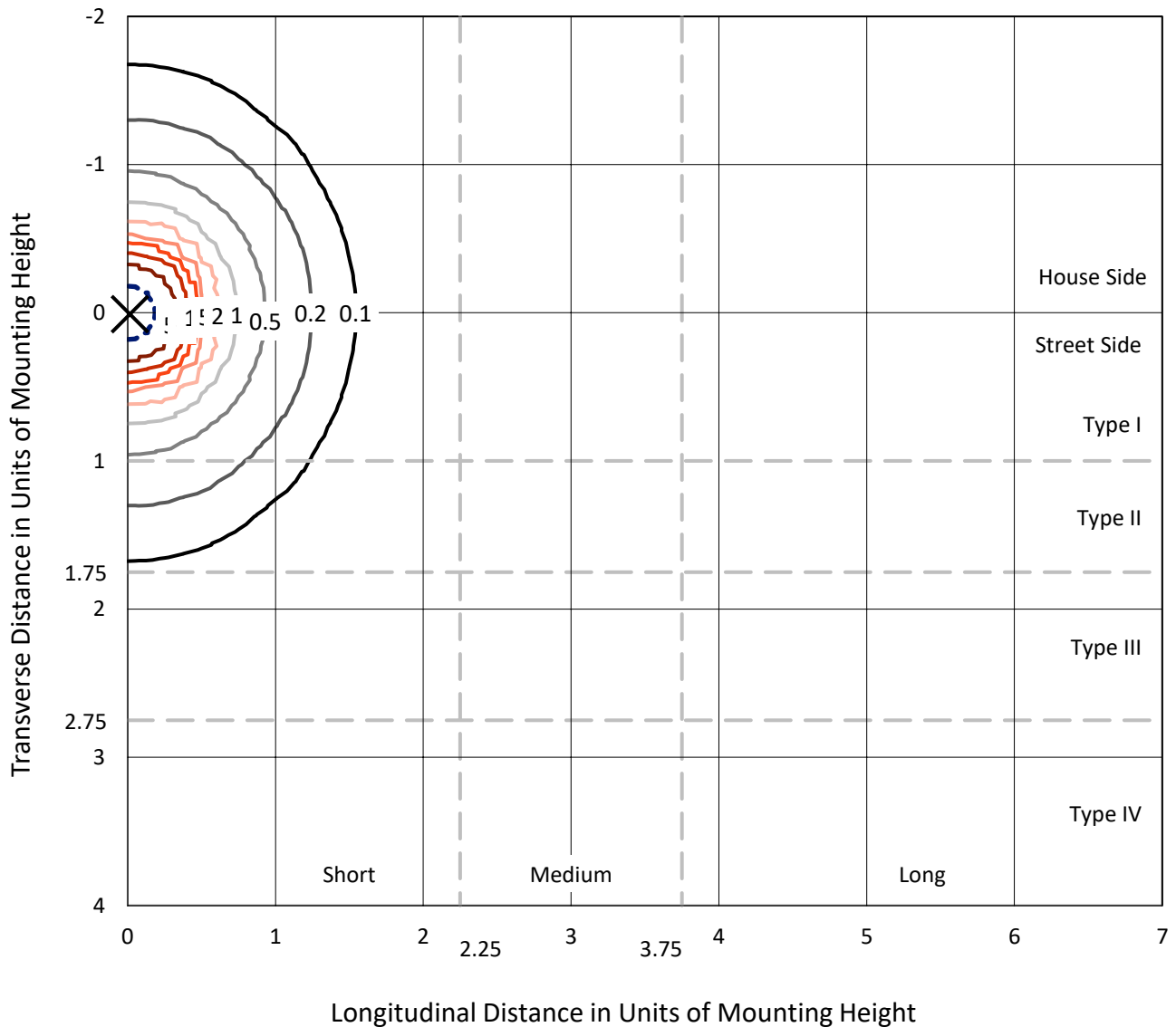
Input Watts (W): 464.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

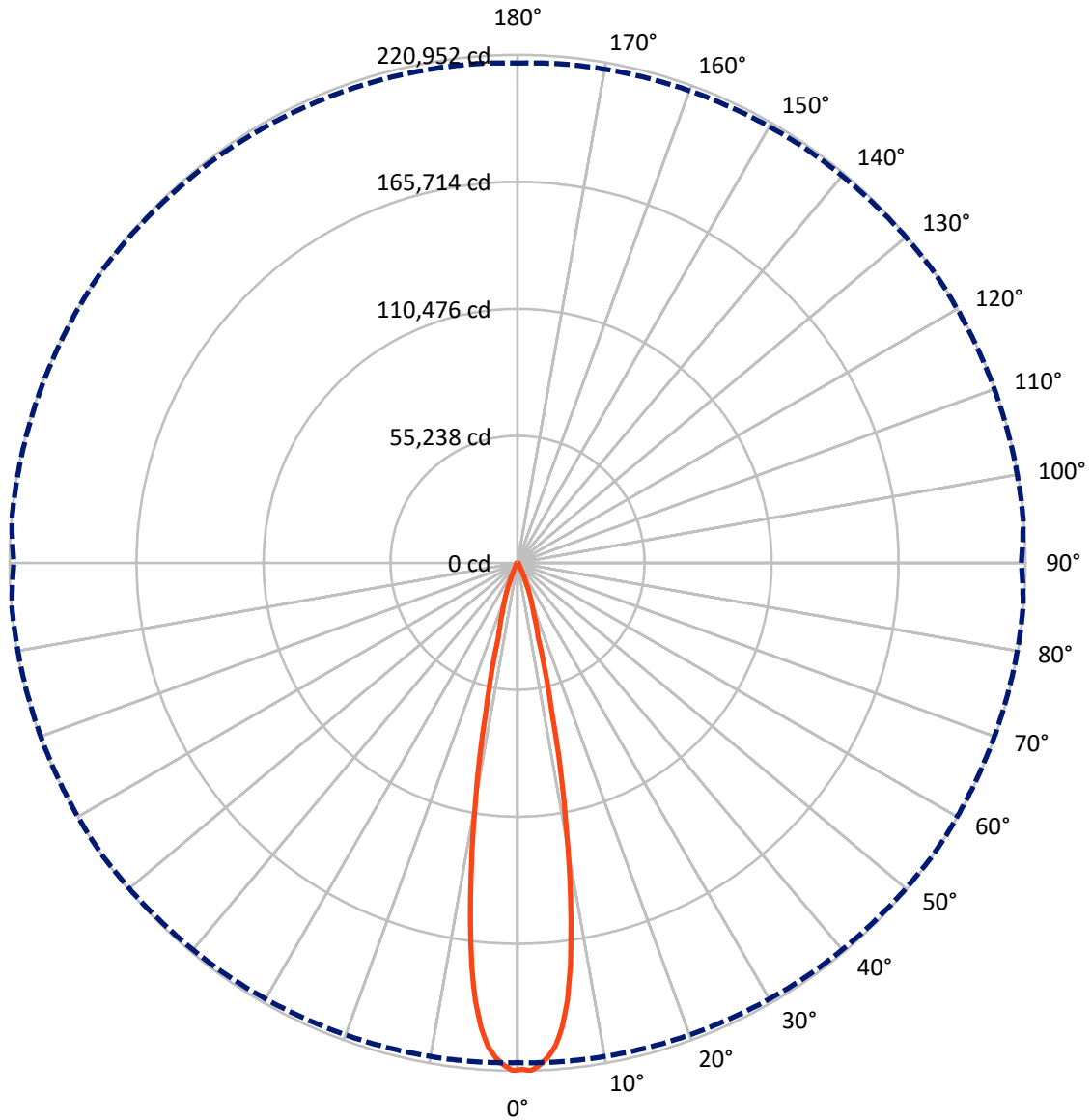
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 551 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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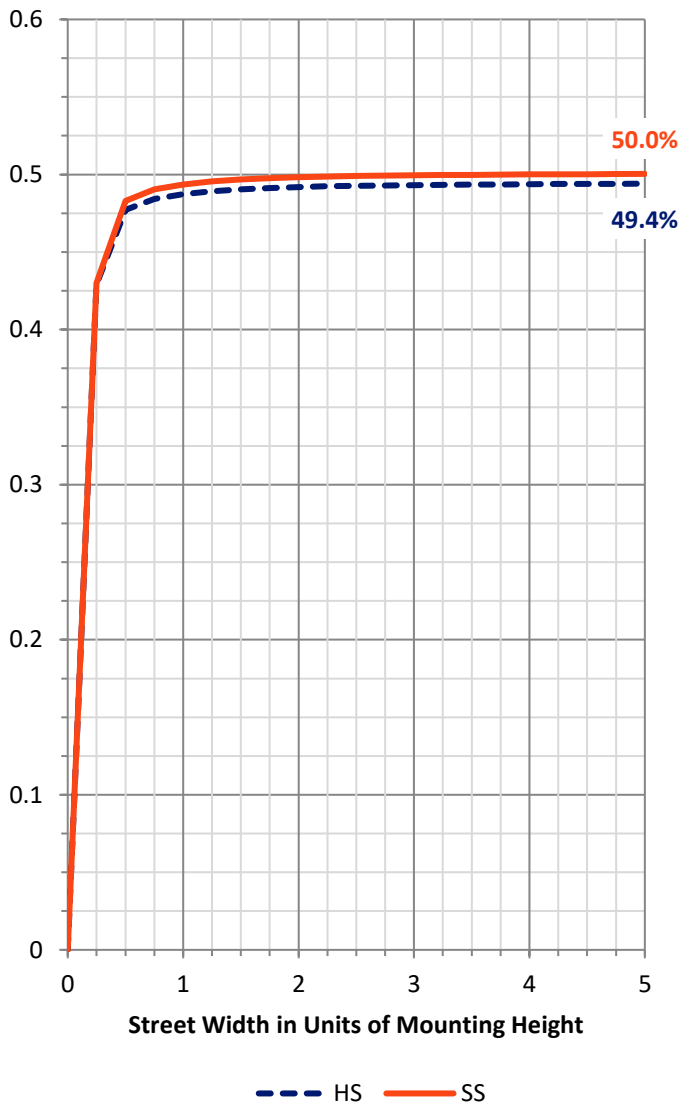
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16028.9	0.0	16028.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16028.9	0.0	16028.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32057.8	0.0	32057.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16287.8	50.8
10°-20°	11543.3	36.0
20°-30°	2704.8	8.4
30°-40°	565.3	1.8
40°-50°	364.7	1.1
50°-60°	270.1	0.8
60°-70°	183.6	0.6
70°-80°	98.0	0.3
80°-90°	40.1	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°	32057.8	100.0
0°-180°	32057.8	100.0

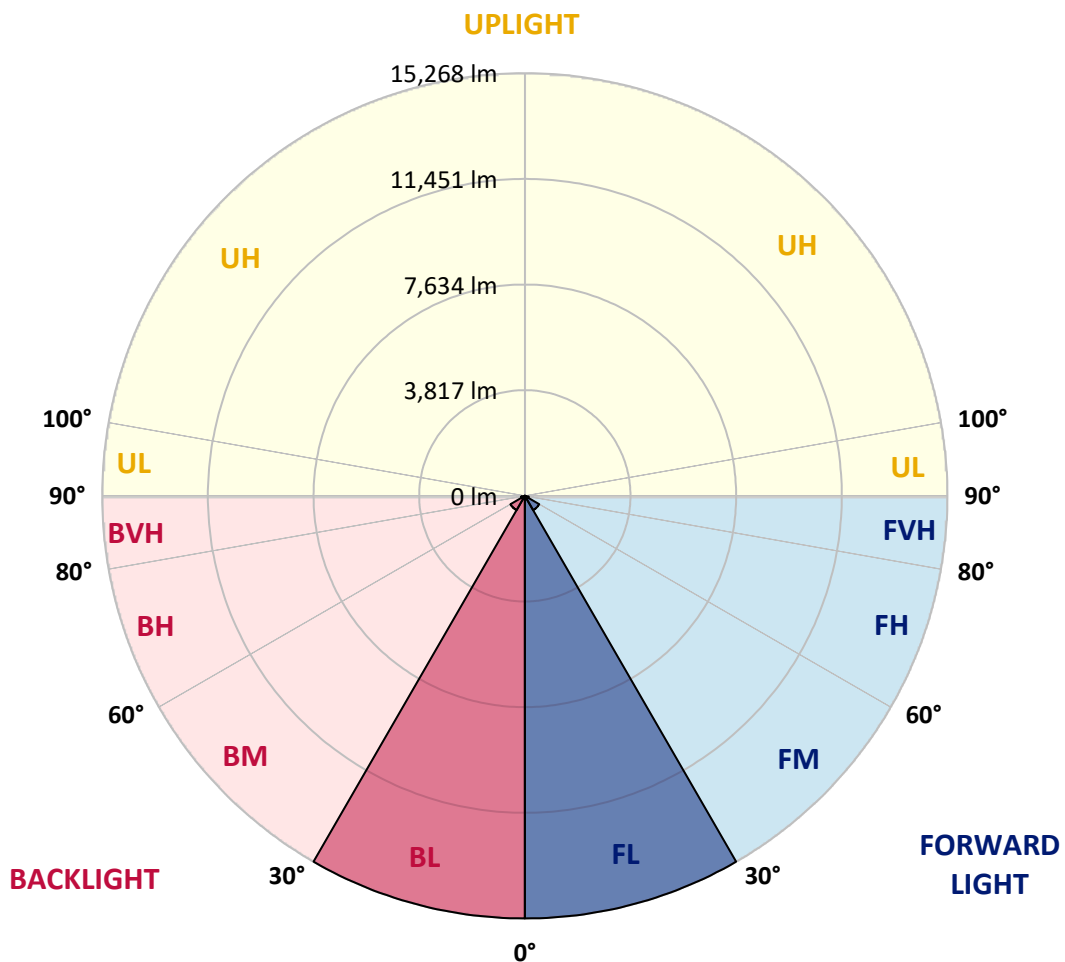


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15267.9	47.6			
FM (30°-60°)	600.1	1.9			
FH (60°-80°)	140.8	0.4			G0/660
FVH (80°-90°)	20.1	0.1			G1/100
BL (0°-30°)	15267.9	47.6	B5		
BM (30°-60°)	600.1	1.9	B1/1000		
BH (60°-80°)	140.8	0.4	B1/500		G0/660
BVH (80°-90°)	20.1	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°	220385.5	220385.5	220385.5	220385.5	220385.5	220385.5	220385.5	220385.5	220385.5	220385.5
1°	217420.4	217822.9	218316.2	218764.0	219438.7	219988.6	220952.4	220748.3	220720.0	220759.7
2°	213208.1	213712.6	214472.3	214920.2	216660.7	217375.1	218832.1	219263.0	218917.1	219308.3
3°	206898.1	207311.9	208502.5	209381.2	211637.6	213565.2	215515.5	216161.8	215759.3	215940.7
4°	199386.1	199811.3	201251.4	203042.9	206302.8	208440.1	210775.9	211354.2	210038.9	210129.6
5°	190445.5	190644.0	192407.1	194039.9	197940.4	200531.4	202748.1	202929.5	201727.6	201268.4
6°	180388.1	180030.9	181652.3	182344.0	187191.3	189833.2	191454.7	191244.9	190332.2	189941.0
7°	168437.0	167949.5	169259.1	168884.9	173176.6	174684.7	176243.8	175529.4	174803.7	175705.2
8°	154609.4	154337.3	153492.6	155023.3	155873.7	157223.0	157217.3	156803.5	156780.8	158283.2
9°	134505.8	137017.4	136274.7	137879.1	137663.7	137601.3	137187.5	136921.0	135787.1	137516.3
10°	112429.3	114073.4	115326.4	117718.8	117253.9	117911.6	115609.8	116001.0	115247.0	116675.7
12.5°	58196.1	60044.3	61127.2	62952.7	64959.7	67012.0	66348.7	65662.7	64636.5	65895.1
15°	28647.3	29378.7	29724.5	31578.4	33007.1	33523.0	33602.4	32995.7	32735.0	33007.1
17.5°	17580.7	17835.8	18839.3	20971.0	22206.9	22513.1	22314.6	21651.3	20908.6	20596.8
20°	12727.7	12801.4	13181.3	13595.2	15244.9	16106.7	15789.2	15137.2	14451.2	14128.1
22.5°	8311.3	8385.0	8509.7	8736.5	9178.7	10244.6	9898.7	9456.5	8991.6	8895.2
25°	4705.6	4705.6	4836.0	5068.4	5397.2	5476.6	5544.6	5074.1	4858.7	4762.3
27.5°	2624.9	2641.9	2670.3	2761.0	2925.4	2908.4	2834.7	2710.0	2562.6	2409.5
30°	1451.4	1468.4	1485.4	1508.1	1536.4	1485.4	1440.0	1417.3	1355.0	1338.0
32.5°	1088.5	1088.5	1099.9	1094.2	1065.8	1003.5	975.1	1009.1	1003.5	975.1
35°	895.8	895.8	907.1	929.8	873.1	827.7	805.1	850.4	850.4	833.4
37.5°	731.3	737.0	742.7	771.0	754.0	703.0	697.3	708.7	714.3	708.7
40°	640.6	635.0	635.0	640.6	629.3	618.0	606.6	601.0	606.6	601.0
42.5°	555.6	549.9	561.3	549.9	527.3	532.9	532.9	515.9	521.6	510.2
45°	487.6	481.9	487.6	476.2	459.2	464.9	464.9	442.2	442.2	436.5
47.5°	430.9	430.9	430.9	436.5	408.2	402.5	408.2	402.5	385.5	379.8
50°	374.2	379.8	385.5	396.9	368.5	357.2	357.2	357.2	345.8	340.2
52.5°	345.8	351.5	351.5	351.5	334.5	323.2	323.2	317.5	311.8	306.1
55°	334.5	334.5	334.5	311.8	306.1	300.5	283.5	277.8	272.1	272.1
57.5°	317.5	317.5	311.8	294.8	277.8	277.8	255.1	249.5	243.8	243.8
60°	283.5	283.5	283.5	277.8	255.1	249.5	226.8	215.4	209.8	209.8
62.5°	260.8	260.8	260.8	238.1	232.4	215.4	198.4	181.4	175.8	164.4
65°	238.1	238.1	238.1	215.4	204.1	187.1	164.4	147.4	136.1	119.1
67.5°	221.1	221.1	215.4	198.4	181.4	158.7	136.1	119.1	96.4	85.0
70°	192.8	192.8	187.1	175.8	158.7	141.7	113.4	90.7	73.7	56.7
72.5°	164.4	164.4	158.7	147.4	136.1	119.1	96.4	79.4	51.0	39.7
75°	136.1	136.1	130.4	119.1	113.4	102.0	85.0	62.4	39.7	17.0
77.5°	113.4	113.4	107.7	102.0	96.4	85.0	73.7	51.0	28.3	11.3
80°	85.0	90.7	90.7	90.7	79.4	73.7	68.0	51.0	22.7	5.7
82.5°	62.4	68.0	68.0	68.0	62.4	56.7	62.4	45.4	22.7	5.7
85°	45.4	45.4	51.0	51.0	51.0	51.0	68.0	51.0	17.0	5.7
87.5°	22.7	22.7	22.7	22.7	22.7	28.3	34.0	28.3	11.3	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°  
220385.5  
*219177.9*  
217822.9  
214580.1  
208780.3  
200310.2  
189062.2  
175427.4  
154116.2  
134290.4  
113013.3  
62487.8  
31737.1  
20160.3  
13878.6  
8696.8  
4682.9  
2415.2  
1338.0  
958.1  
827.7  
708.7  
606.6  
515.9  
436.5  
379.8  
334.5  
300.5  
266.5  
243.8  
204.1  
153.1  
119.1  
79.4  
56.7  
34.0  
17.0  
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