

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: P636282

Luminaire Tested: **IFLD-S-SA3E-927-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636282  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3E-927-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (48) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15965.1 lumens  
Efficiency: N/A  
Efficacy: 68.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

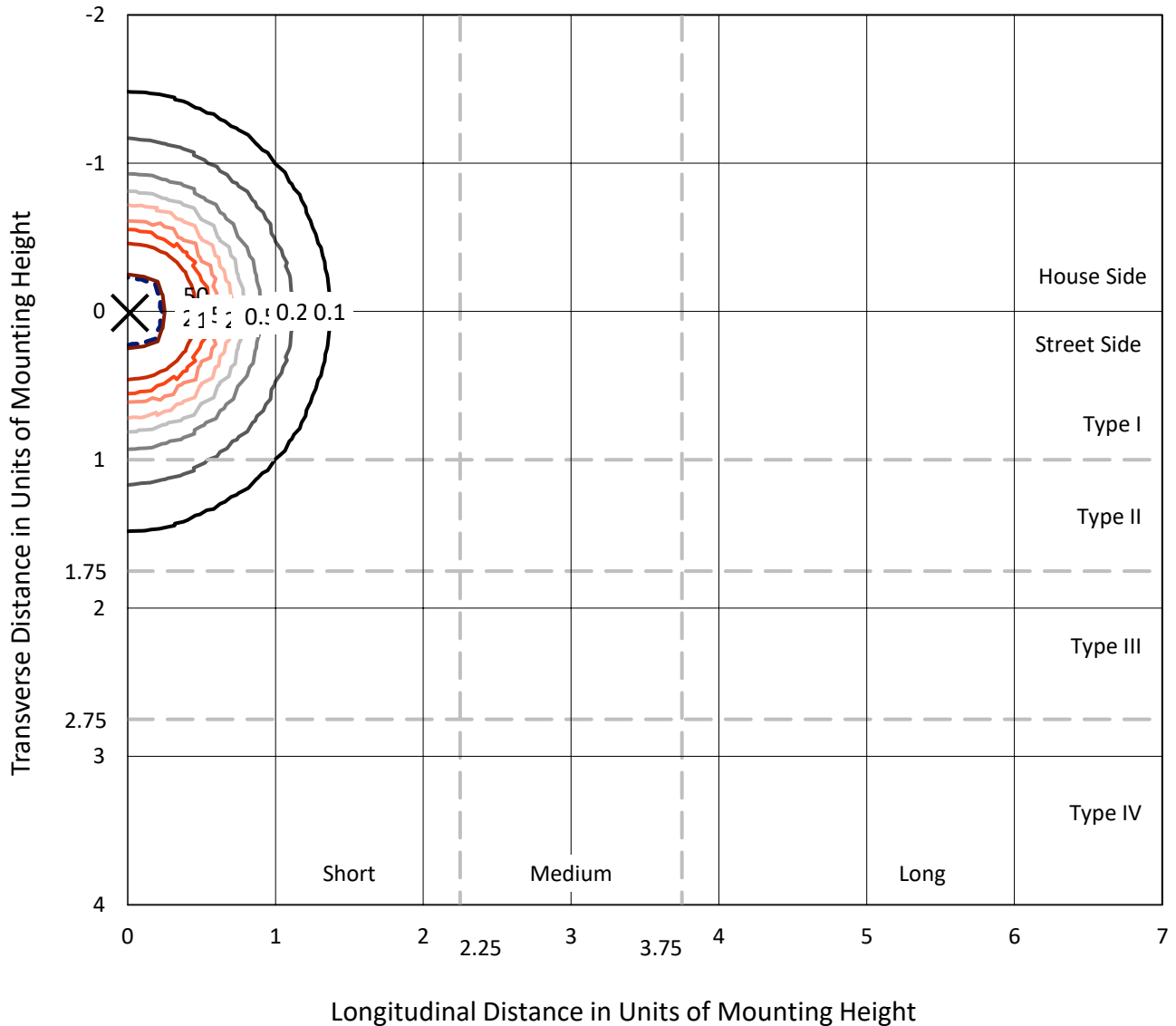
Input Watts (W): 232.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

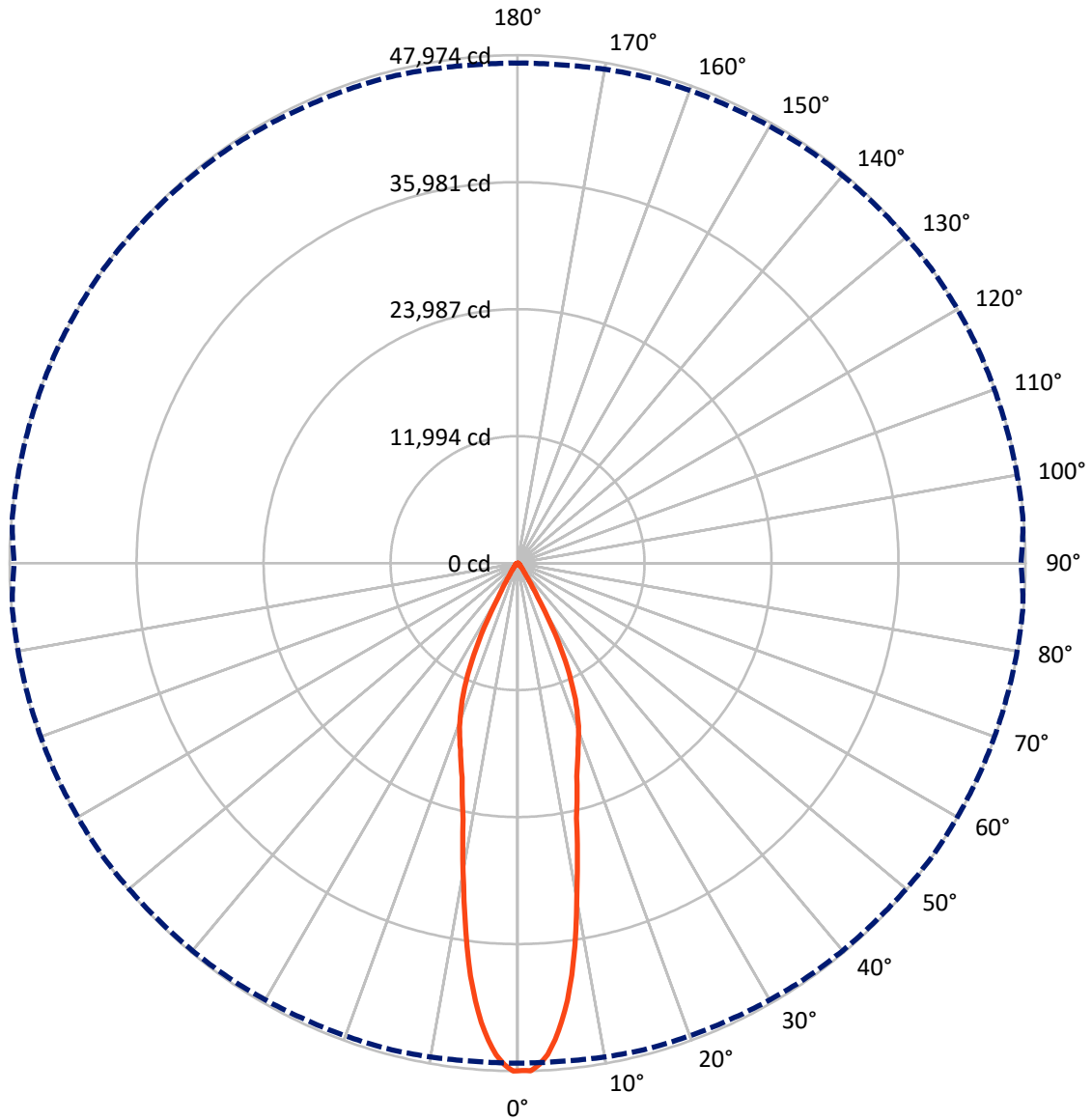
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 119.8 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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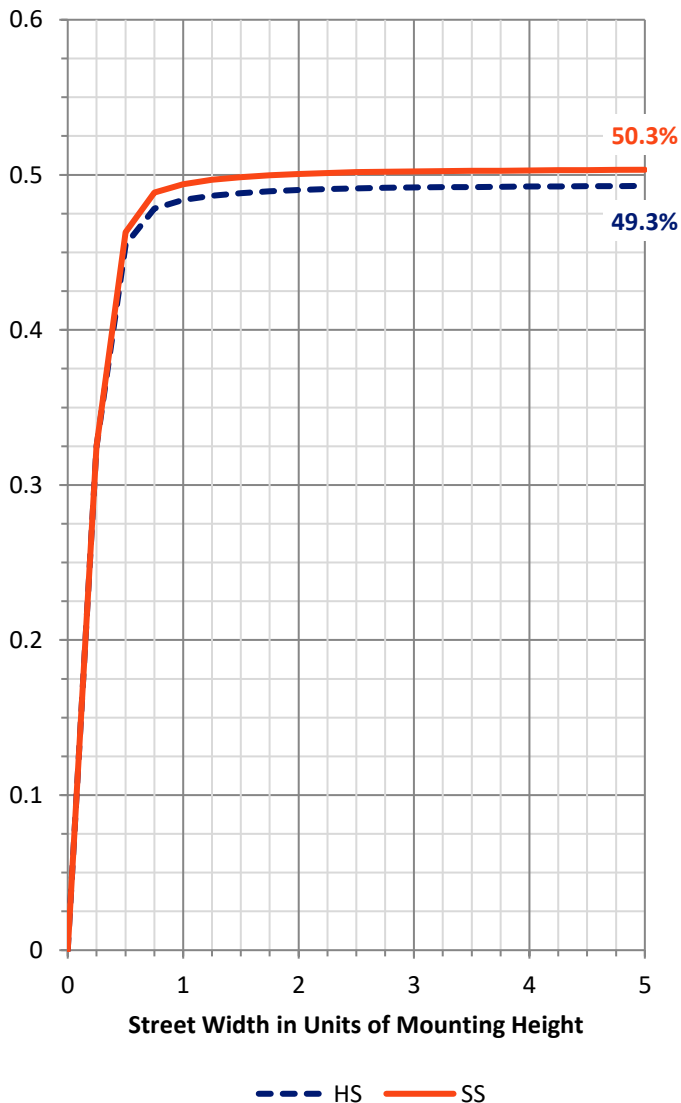
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7982.6	0.0	7982.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7982.6	0.0	7982.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15965.1	0.0	15965.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3646.0	22.8
10°-20°	5954.9	37.3
20°-30°	4653.3	29.1
30°-40°	1014.3	6.4
40°-50°	300.3	1.9
50°-60°	187.8	1.2
60°-70°	131.4	0.8
70°-80°	56.4	0.4
80°-90°	20.8	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°	15965.1	100.0
0°-180°	15965.1	100.0



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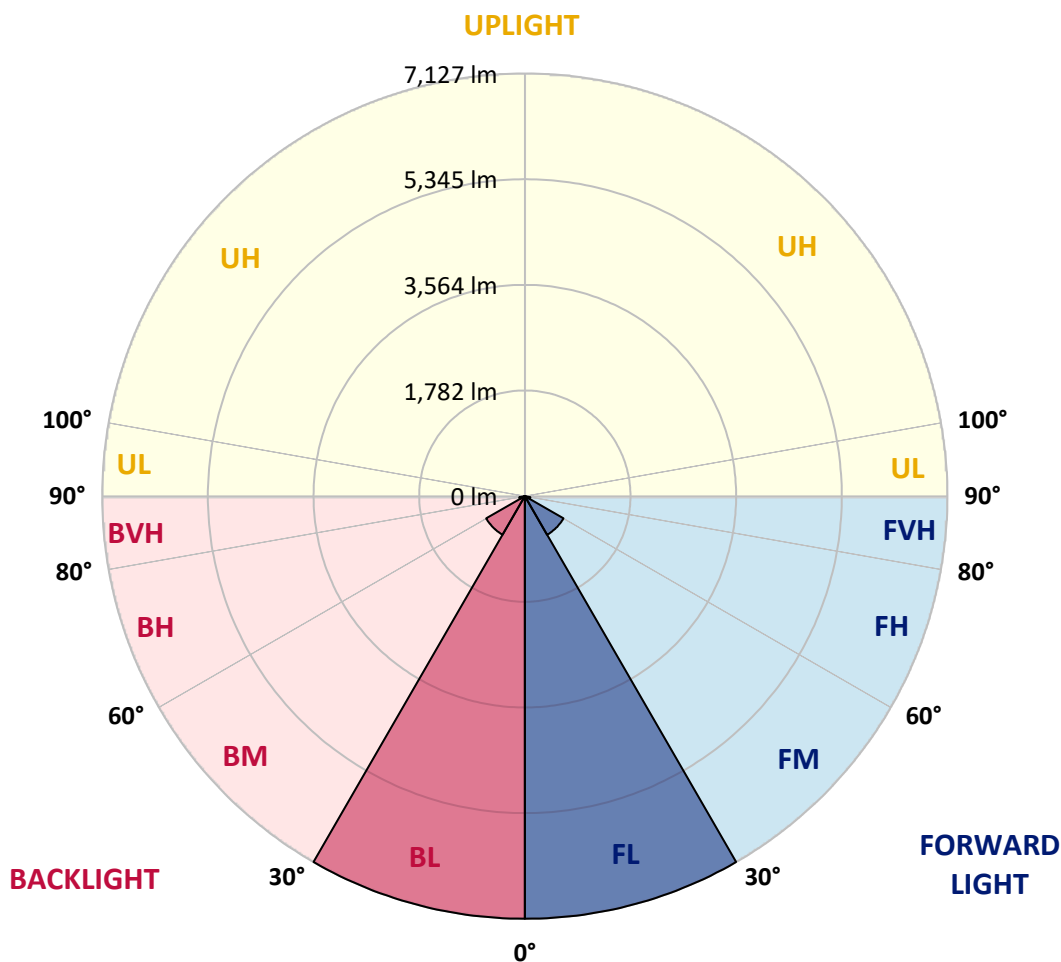
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7127.1	44.6			
FM (30°-60°)	751.2	4.7			
FH (60°-80°)	93.9	0.6			G0/660
FVH (80°-90°)	10.4	0.1			G1/100
BL (0°-30°)	7127.1	44.6	B5		
BM (30°-60°)	751.2	4.7	B1/1000		
BH (60°-80°)	93.9	0.6	B0/110		G0/660
BVH (80°-90°)	10.4	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°	47919.4	47919.4	47919.4	47919.4	47919.4	47919.4	47919.4	47919.4	47919.4	47919.4
1°	47225.8	47231.6	47488.8	47546.6	47722.9	47812.5	47974.3	47957.0	47907.9	47913.7
2°	46355.8	46318.3	46558.2	46824.0	47035.0	47208.4	47402.1	47442.6	47396.3	47439.7
3°	44925.2	44870.3	45205.5	45537.9	45905.0	46202.7	46494.6	46506.1	46451.2	46448.3
4°	43043.7	42942.5	43341.4	43933.9	44396.3	44792.2	45156.4	45150.6	45075.5	45136.2
5°	40769.1	40641.9	41159.3	41939.6	42624.6	43101.5	43503.2	43407.8	43234.4	43243.1
6°	37977.2	38101.4	38734.4	39829.8	40639.0	41035.0	41529.2	41350.0	41049.4	41017.6
7°	35352.9	35633.2	36139.0	37459.8	38422.3	38838.4	39257.5	38896.2	38488.7	38422.3
8°	32589.8	33058.1	33757.5	34974.2	36000.3	36419.3	36578.3	36191.0	35754.6	35737.3
9°	30349.9	30670.7	31271.9	32344.2	33387.5	33667.9	33702.6	33364.4	32928.0	32956.9
10°	28312.4	28373.0	28893.3	29815.3	30650.5	30849.9	30841.3	30595.6	30237.2	30332.6
12.5°	23751.6	23916.4	24066.7	24361.5	24641.8	24771.9	24722.7	24621.6	24425.0	24433.7
15°	20656.2	20653.3	20670.7	20806.5	20890.3	20904.8	20904.8	20777.6	20693.8	20818.1
17.5°	17925.0	18075.3	18344.1	18453.9	18563.7	18523.3	18448.1	18390.3	18335.4	18442.3
20°	15800.7	15867.2	15870.1	15942.3	16497.2	16526.1	16430.8	16266.0	16127.3	16101.3
22.5°	13410.5	13511.7	13555.0	13618.6	13676.4	14098.4	13985.7	13719.8	13555.0	13505.9
25°	10066.5	10031.9	10315.1	10835.3	10919.2	10971.2	10942.3	10803.5	10696.6	10716.8
27.5°	6956.7	7017.4	7005.8	7011.6	7563.6	7560.8	7552.1	7430.7	7398.9	7352.7
30°	3890.2	3861.3	3875.8	3838.2	3760.1	3855.5	3702.3	3832.4	3705.2	3745.7
32.5°	2300.6	2280.4	2260.1	2268.8	2211.0	2069.4	2008.7	2098.3	2069.4	2057.8
35°	1468.2	1476.9	1502.9	1500.0	1448.0	1367.1	1280.4	1361.3	1349.7	1315.0
37.5°	936.4	936.4	945.1	1020.2	976.9	907.5	846.8	881.5	878.6	872.8
40°	664.7	664.7	676.3	696.5	673.4	638.7	604.1	604.1	609.8	592.5
42.5°	494.2	494.2	505.8	517.3	488.4	476.9	459.5	448.0	462.4	448.0
45°	387.3	384.4	387.3	381.5	364.2	364.2	349.7	332.4	349.7	341.0
47.5°	317.9	315.0	312.1	300.6	283.2	286.1	280.3	265.9	274.6	271.7
50°	277.5	271.7	274.6	263.0	248.6	245.7	245.7	231.2	234.1	234.1
52.5°	242.8	242.8	239.9	234.1	228.3	216.8	219.7	205.2	205.2	205.2
55°	228.3	228.3	222.5	211.0	213.9	205.2	196.5	187.9	185.0	185.0
57.5°	225.4	225.4	222.5	211.0	202.3	199.4	187.9	176.3	167.6	170.5
60°	219.7	219.7	213.9	211.0	196.5	190.8	173.4	164.7	153.2	153.2
62.5°	211.0	208.1	196.5	179.2	179.2	164.7	153.2	135.8	127.2	124.3
65°	179.2	176.3	167.6	153.2	144.5	135.8	118.5	101.2	95.4	86.7
67.5°	147.4	147.4	141.6	127.2	121.4	109.8	89.6	78.0	63.6	57.8
70°	121.4	121.4	115.6	106.9	101.2	86.7	69.4	57.8	43.4	37.6
72.5°	98.3	98.3	92.5	86.7	80.9	72.3	57.8	43.4	28.9	23.1
75°	78.0	78.0	75.1	69.4	63.6	57.8	46.2	34.7	20.2	11.6
77.5°	63.6	63.6	60.7	57.8	52.0	46.2	37.6	28.9	14.5	5.8
80°	49.1	49.1	49.1	49.1	43.4	37.6	31.8	23.1	11.6	2.9
82.5°	34.7	34.7	37.6	43.4	34.7	28.9	28.9	23.1	8.7	2.9
85°	23.1	26.0	28.9	26.0	23.1	23.1	40.5	37.6	8.7	2.9
87.5°	11.6	11.6	11.6	11.6	11.6	8.7	11.6	8.7	5.8	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°  
47919.4  
47558.2  
47098.6  
46196.9  
44850.0  
42821.1  
40595.7  
38107.2  
35104.3  
32526.3  
29997.3  
24147.6  
20529.1  
18196.7  
15933.6  
13329.6  
10647.5  
7185.0  
3794.8  
2028.9  
1277.5  
861.3  
586.7  
445.1  
341.0  
271.7  
237.0  
205.2  
182.1  
170.5  
144.5  
118.5  
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54.9  
34.7  
20.2  
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