

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: P636359

Luminaire Tested: **IFLD-L-SA8D-935-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636359  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8D-935-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (128) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34606.7 lumens  
Efficiency: N/A  
Efficacy: 70.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

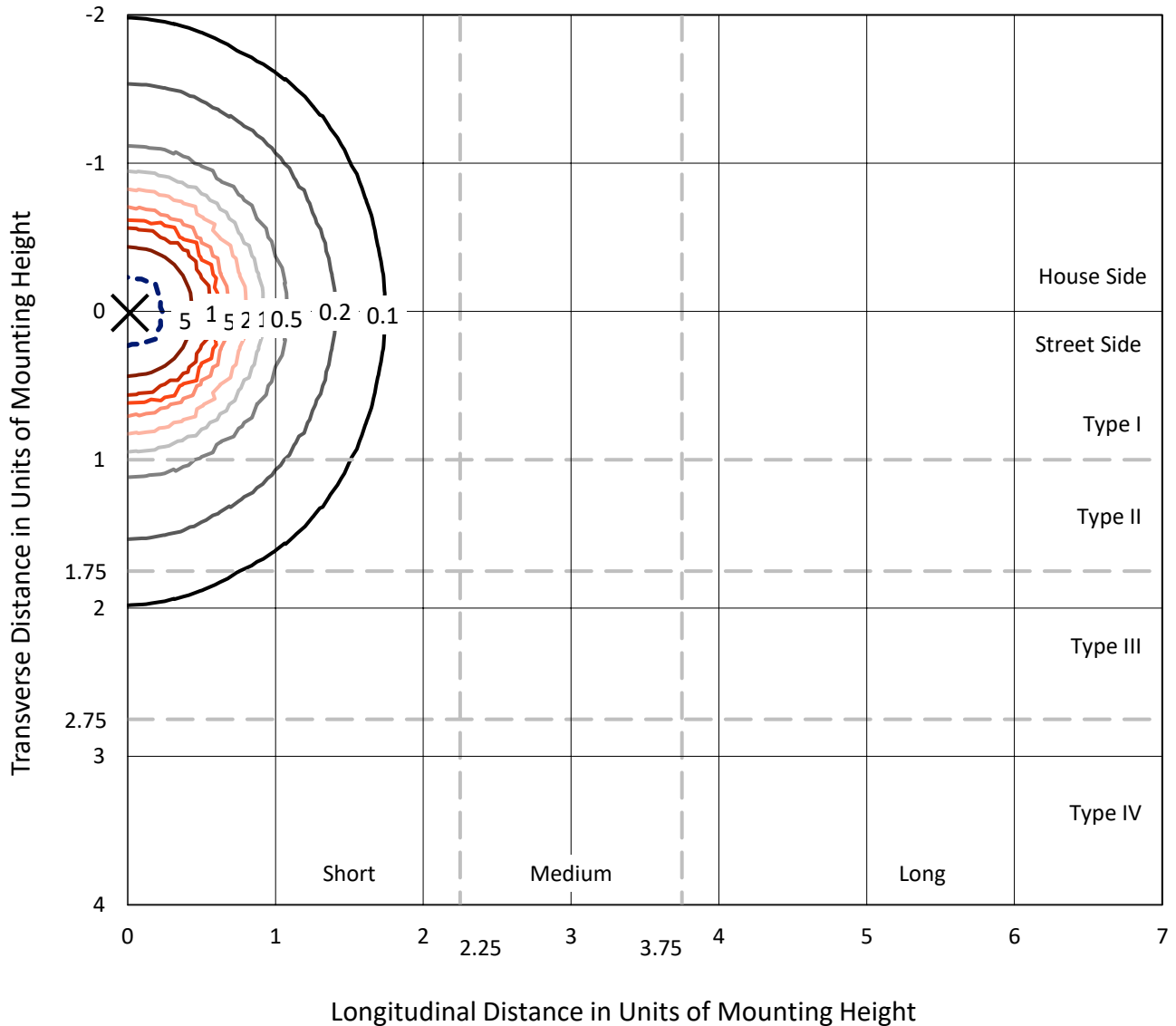
Input Watts (W): 488.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

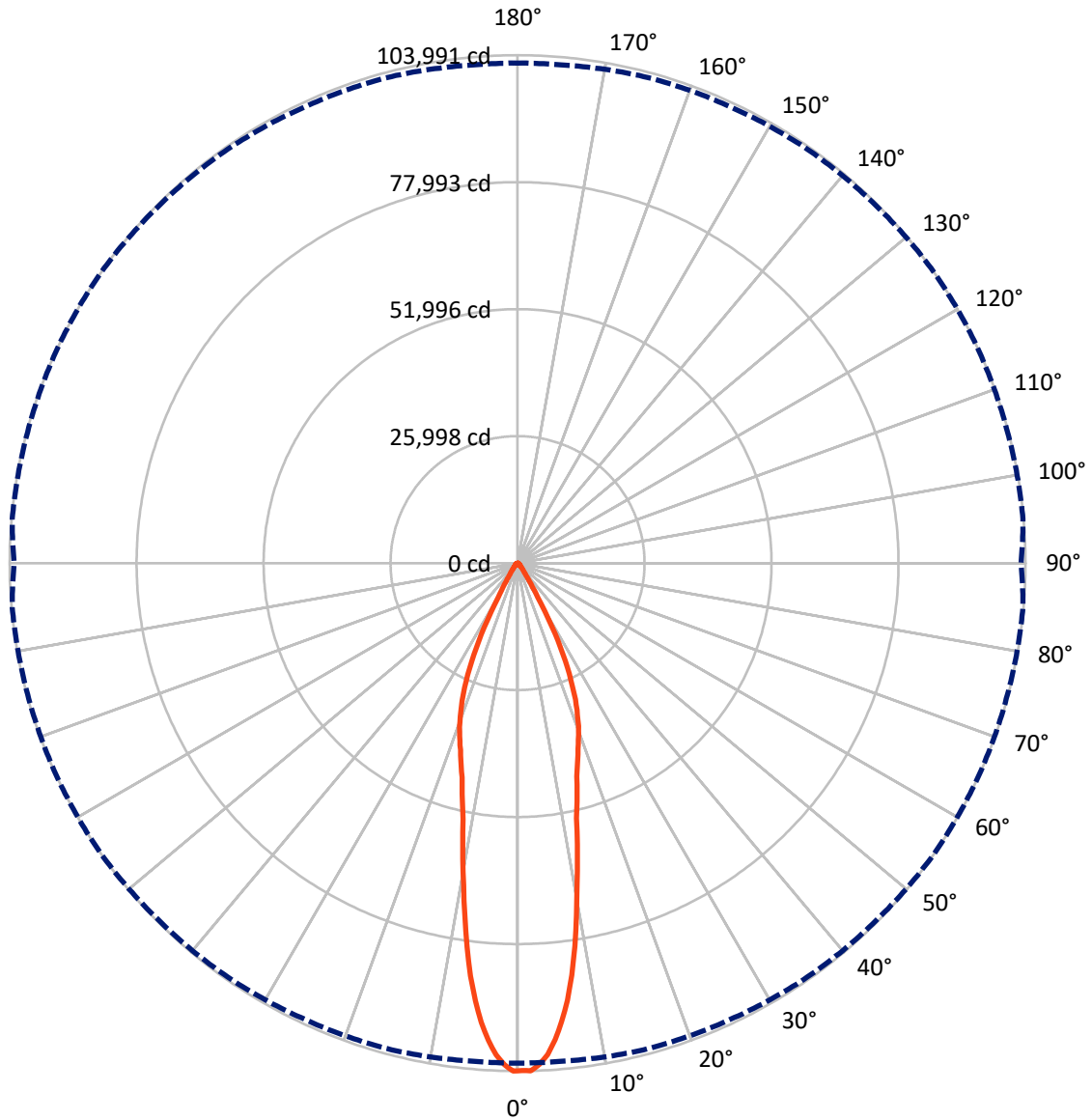
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 259.7 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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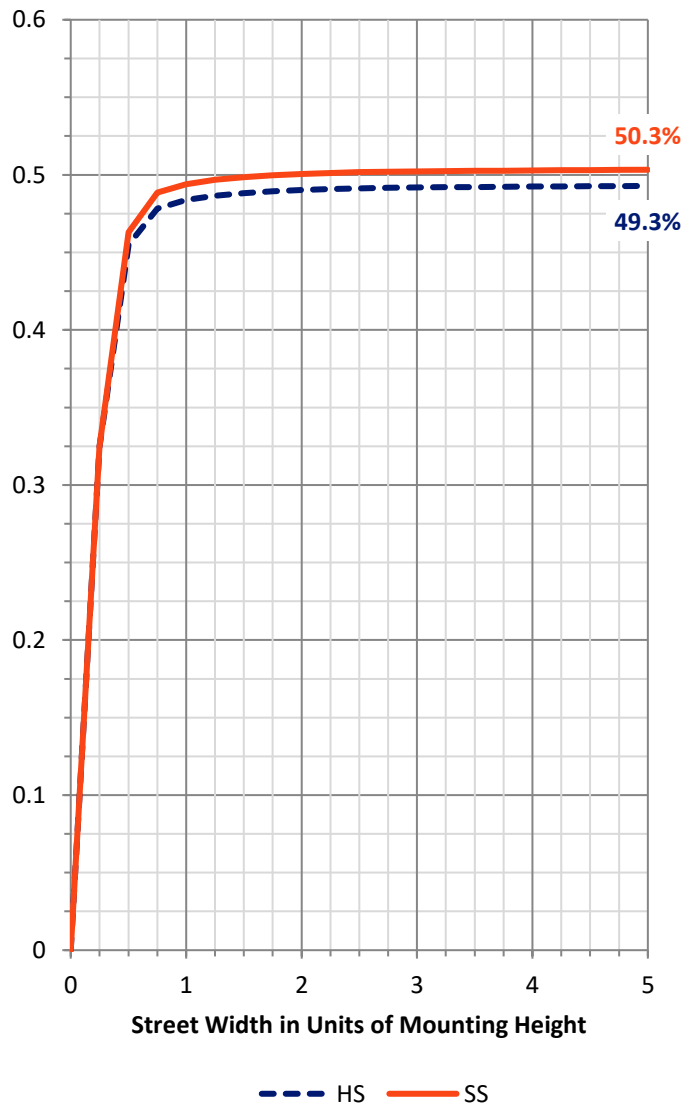
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17303.3	0.0	17303.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17303.3	0.0	17303.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34606.7	0.0	34606.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7903.2	22.8
10°-20°	12908.0	37.3
20°-30°	10086.7	29.1
30°-40°	2198.6	6.4
40°-50°	651.0	1.9
50°-60°	407.1	1.2
60°-70°	284.7	0.8
70°-80°	122.2	0.4
80°-90°	45.1	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°	34606.7	100.0
0°-180°	34606.7	100.0



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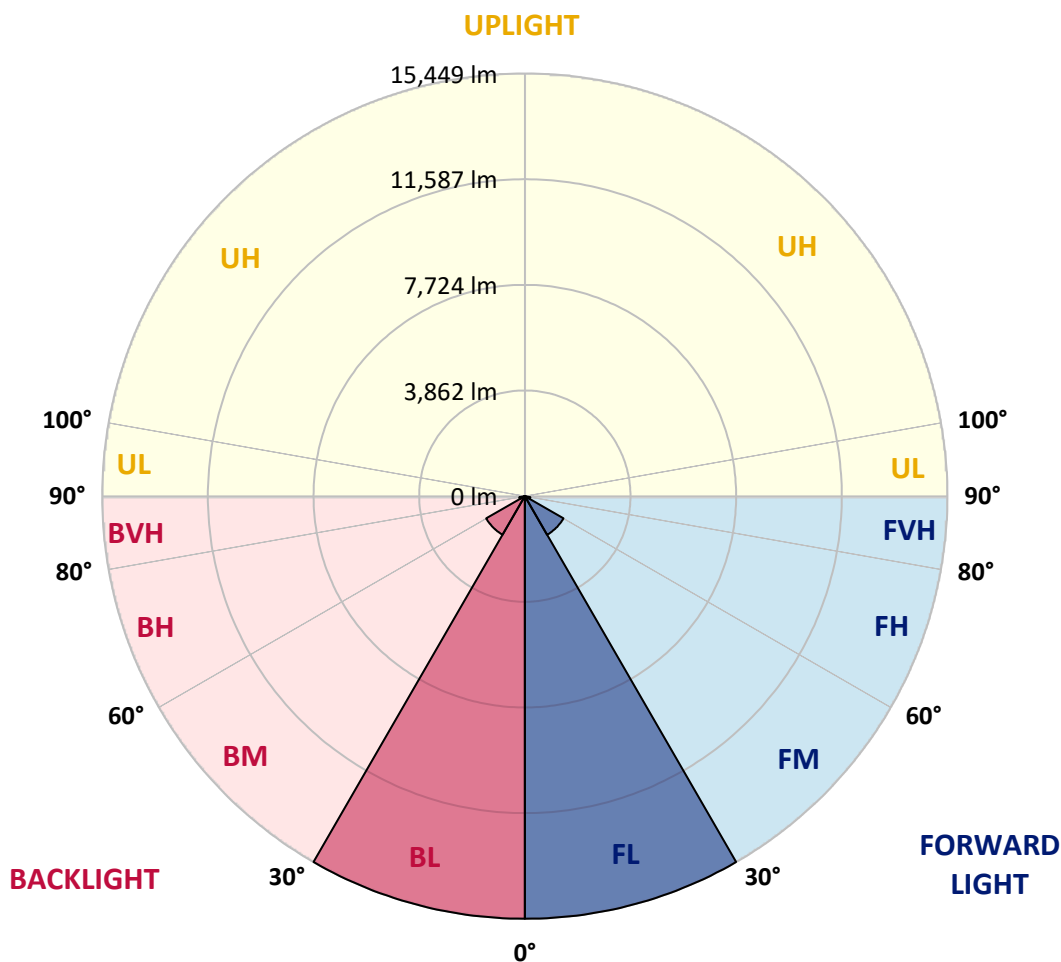
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15448.9	44.6			
FM (30°-60°)	1628.4	4.7			
FH (60°-80°)	203.5	0.6			G0/660
FVH (80°-90°)	22.6	0.1			G1/100
BL (0°-30°)	15448.9	44.6	B5		
BM (30°-60°)	1628.4	4.7	B2/2500		
BH (60°-80°)	203.5	0.6	B1/500		G0/660
BVH (80°-90°)	22.6	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°	103872.2	103872.2	103872.2	103872.2	103872.2	103872.2	103872.2	103872.2	103872.2	103872.2
1°	102368.6	102381.1	102938.7	103064.0	103446.1	103640.4	103991.2	103953.6	103847.1	103859.6
2°	100482.8	100401.4	100921.4	101497.8	101955.1	102331.0	102750.7	102838.5	102738.2	102832.2
3°	97381.7	97262.7	97989.4	98709.9	99505.5	100150.8	100783.6	100808.6	100689.6	100683.3
4°	93303.3	93084.0	93948.5	95232.9	96235.2	97093.5	97882.9	97870.4	97707.5	97839.1
5°	88372.8	88097.1	89218.5	90910.1	92394.9	93428.6	94299.4	94092.6	93716.7	93735.5
6°	82320.9	82590.3	83962.3	86336.7	88090.9	88949.2	90020.5	89632.0	88980.5	88911.6
7°	76632.3	77240.0	78336.4	81199.5	83285.7	84187.8	85096.2	84313.1	83429.8	83285.7
8°	70643.1	71658.0	73174.1	75811.6	78035.7	78944.1	79288.7	78449.2	77503.2	77465.6
9°	65787.8	66483.2	67786.3	70110.6	72372.2	72979.9	73055.1	72322.1	71376.1	71438.7
10°	61371.0	61502.6	62630.3	64628.8	66439.3	66871.6	66852.8	66320.3	65543.5	65750.2
12.5°	51485.0	51842.1	52167.9	52806.9	53414.6	53696.5	53590.0	53370.7	52944.7	52963.5
15°	44775.3	44769.0	44806.6	45101.1	45282.7	45314.1	45314.1	45038.4	44856.7	45126.1
17.5°	38855.0	39180.7	39763.4	40001.4	40239.5	40151.8	39988.9	39863.6	39744.6	39976.4
20°	34250.2	34394.3	34400.6	34557.2	35760.1	35822.7	35616.0	35258.9	34958.2	34901.8
22.5°	29069.2	29288.4	29382.4	29520.2	29645.5	30560.2	30315.9	29739.5	29382.4	29275.9
25°	21820.7	21745.5	22359.5	23487.1	23668.8	23781.6	23718.9	23418.2	23186.4	23230.3
27.5°	15079.6	15211.2	15186.1	15198.7	16395.3	16389.0	16370.2	16107.1	16038.2	15937.9
30°	8432.6	8369.9	8401.2	8319.8	8150.6	8357.4	8025.3	8307.3	8031.6	8119.3
32.5°	4986.9	4943.0	4899.2	4918.0	4792.7	4485.7	4354.1	4548.3	4485.7	4460.6
35°	3182.6	3201.4	3257.8	3251.5	3138.7	2963.3	2775.4	2950.8	2925.7	2850.5
37.5°	2029.8	2029.8	2048.6	2211.5	2117.5	1967.2	1835.6	1910.8	1904.5	1892.0
40°	1440.9	1440.9	1466.0	1509.8	1459.7	1384.5	1309.4	1309.4	1321.9	1284.3
42.5°	1071.3	1071.3	1096.4	1121.4	1058.8	1033.7	996.1	971.1	1002.4	971.1
45°	839.5	833.2	839.5	827.0	789.4	789.4	758.1	720.5	758.1	739.3
47.5°	689.1	682.9	676.6	651.6	614.0	620.2	607.7	576.4	595.2	588.9
50°	601.4	588.9	595.2	570.1	538.8	532.5	532.5	501.2	507.5	507.5
52.5°	526.3	526.3	520.0	507.5	494.9	469.9	476.1	444.8	444.8	444.8
55°	494.9	494.9	482.4	457.3	463.6	444.8	426.0	407.2	401.0	401.0
57.5°	488.7	488.7	482.4	457.3	438.5	432.3	407.2	382.2	363.4	369.6
60°	476.1	476.1	463.6	457.3	426.0	413.5	375.9	357.1	332.0	332.0
62.5°	457.3	451.1	426.0	388.4	388.4	357.1	332.0	294.5	275.7	269.4
65°	388.4	382.2	363.4	332.0	313.2	294.5	256.9	219.3	206.7	187.9
67.5°	319.5	319.5	307.0	275.7	263.1	238.1	194.2	169.2	137.8	125.3
70°	263.1	263.1	250.6	231.8	219.3	187.9	150.4	125.3	94.0	81.4
72.5°	213.0	213.0	200.5	187.9	175.4	156.6	125.3	94.0	62.6	50.1
75°	169.2	169.2	162.9	150.4	137.8	125.3	100.2	75.2	43.9	25.1
77.5°	137.8	137.8	131.6	125.3	112.8	100.2	81.4	62.6	31.3	12.5
80°	106.5	106.5	106.5	106.5	94.0	81.4	68.9	50.1	25.1	6.3
82.5°	75.2	75.2	81.4	94.0	75.2	62.6	62.6	50.1	18.8	6.3
85°	50.1	56.4	62.6	56.4	50.1	50.1	87.7	81.4	18.8	6.3
87.5°	25.1	25.1	25.1	25.1	25.1	18.8	25.1	18.8	12.5	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°  
103872.2  
*103089.0*  
102092.9  
100138.3  
97218.8  
92820.9  
87996.9  
82602.8  
76093.6  
70505.3  
65023.5  
52343.3  
44499.6  
39443.9  
34538.4  
28893.8  
23079.9  
15574.6  
8225.8  
4398.0  
2769.1  
1866.9  
1271.8  
964.8  
739.3  
588.9  
513.7  
444.8  
394.7  
369.6  
313.2  
256.9  
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119.0  
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