

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: P636412

Luminaire Tested: **IFLD-L-SA7D-950-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636412  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7D-950-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (112) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32953.1 lumens  
Efficiency: N/A  
Efficacy: 78.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

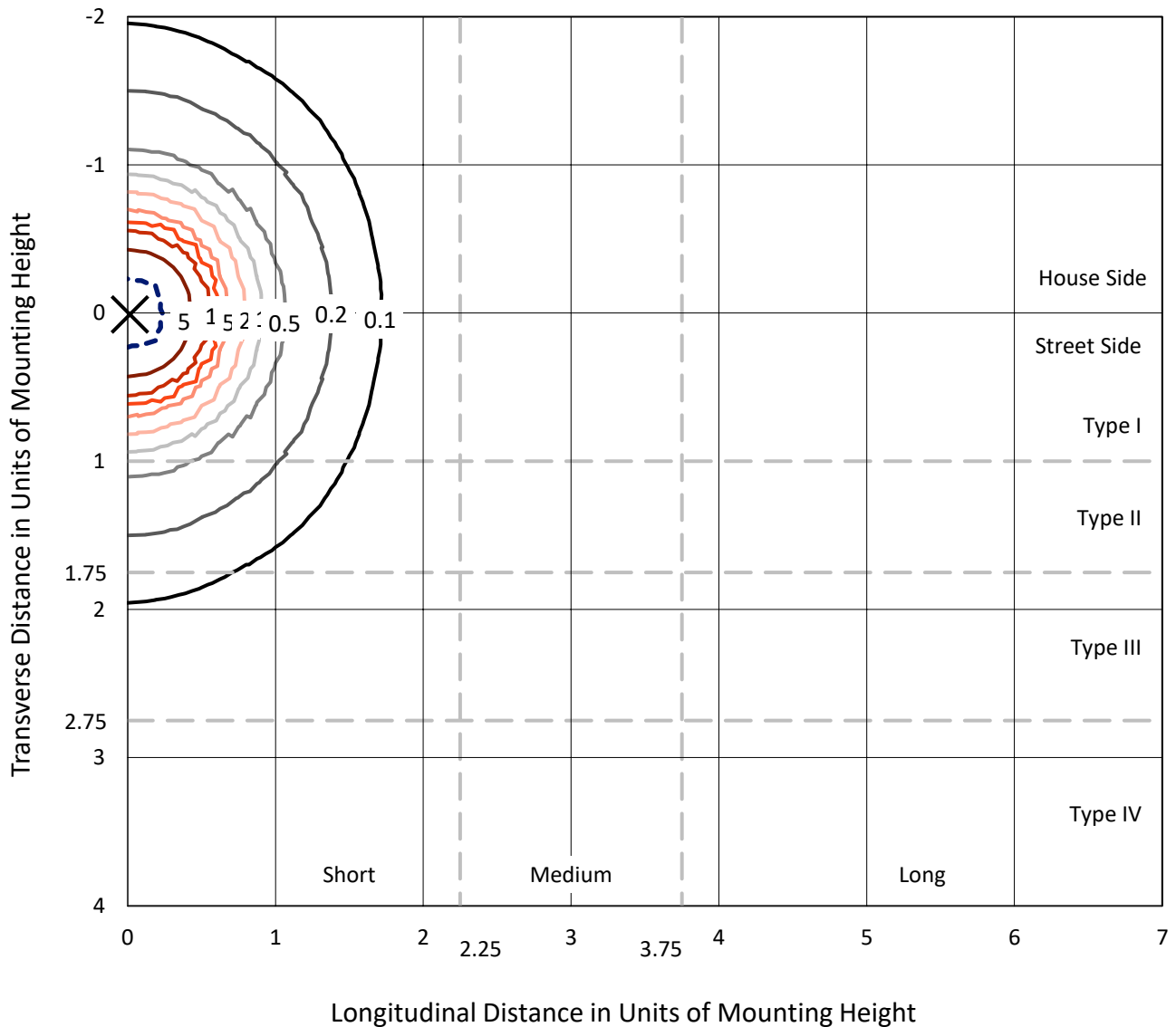
Input Watts (W): 422.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

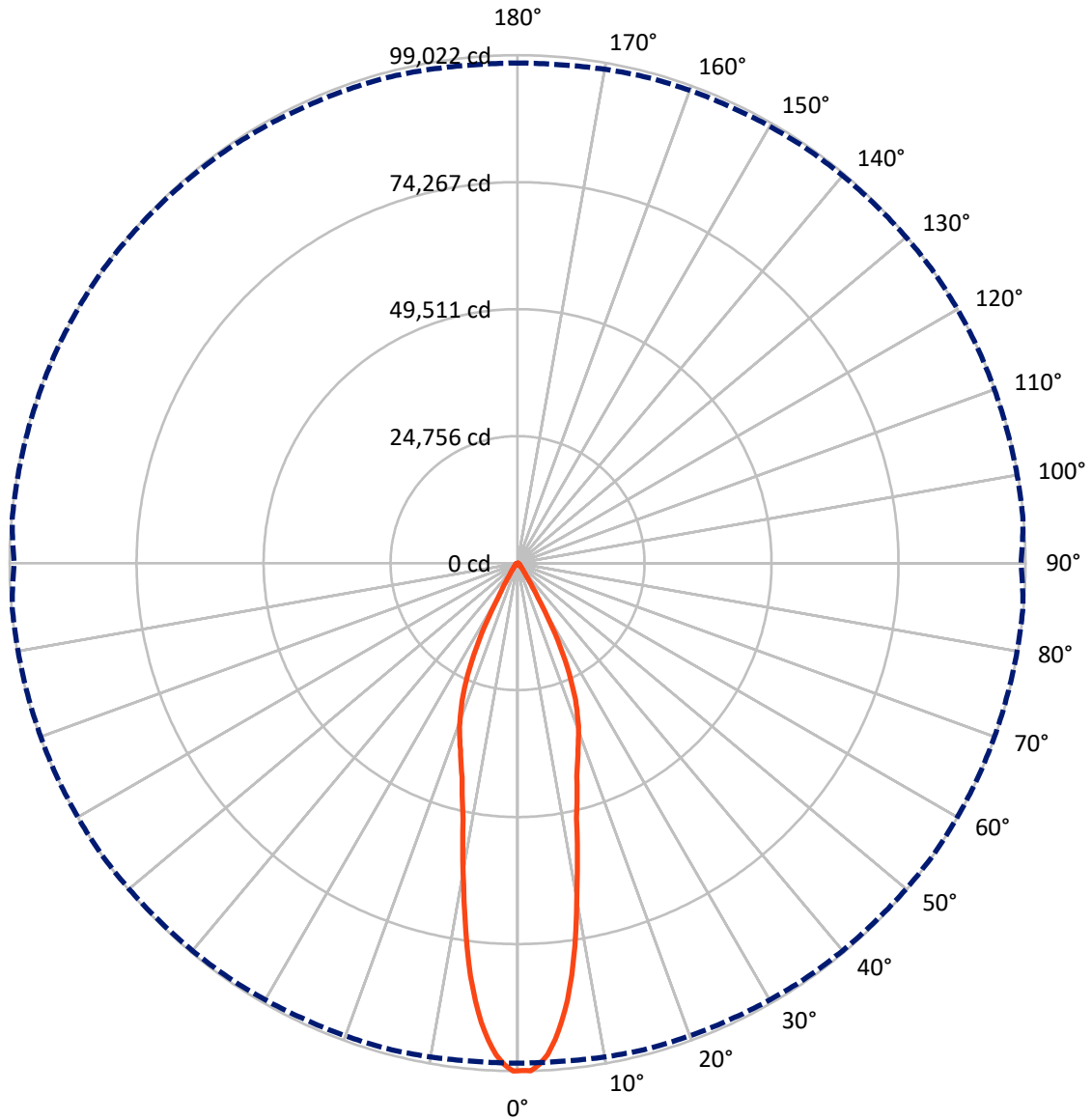
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 247.3 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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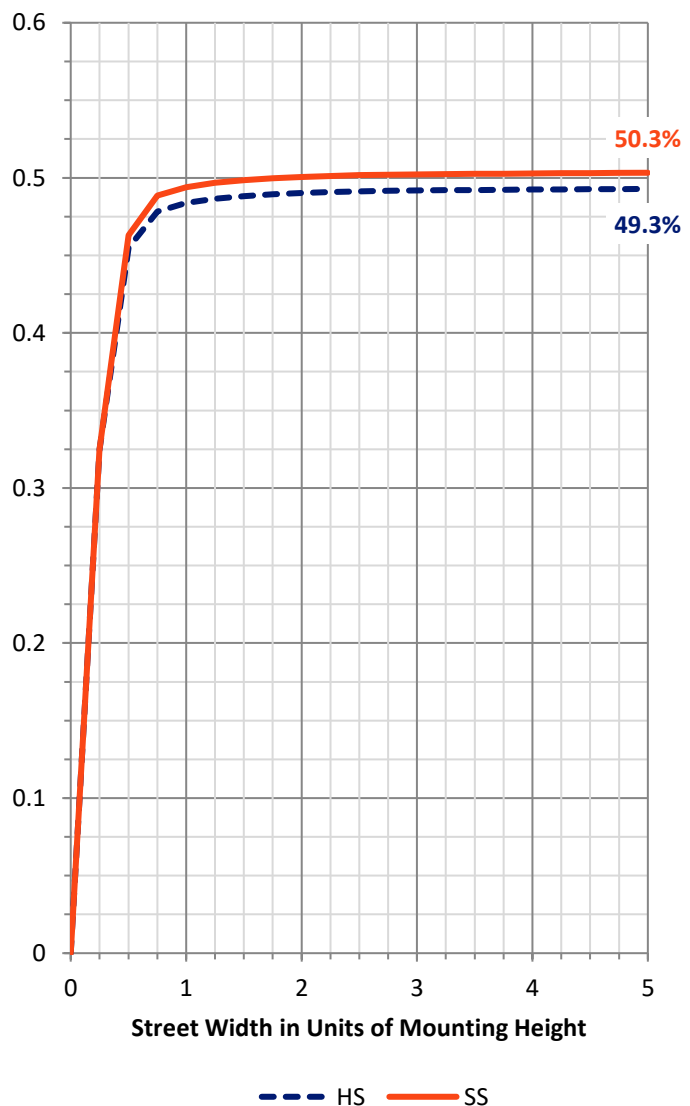
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16476.6	0.0	16476.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16476.6	0.0	16476.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32953.1	0.0	32953.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7525.6	22.8
10°-20°	12291.2	37.3
20°-30°	9604.8	29.1
30°-40°	2093.6	6.4
40°-50°	619.9	1.9
50°-60°	387.7	1.2
60°-70°	271.1	0.8
70°-80°	116.3	0.4
80°-90°	43.0	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°	32953.1	100.0
0°-180°	32953.1	100.0



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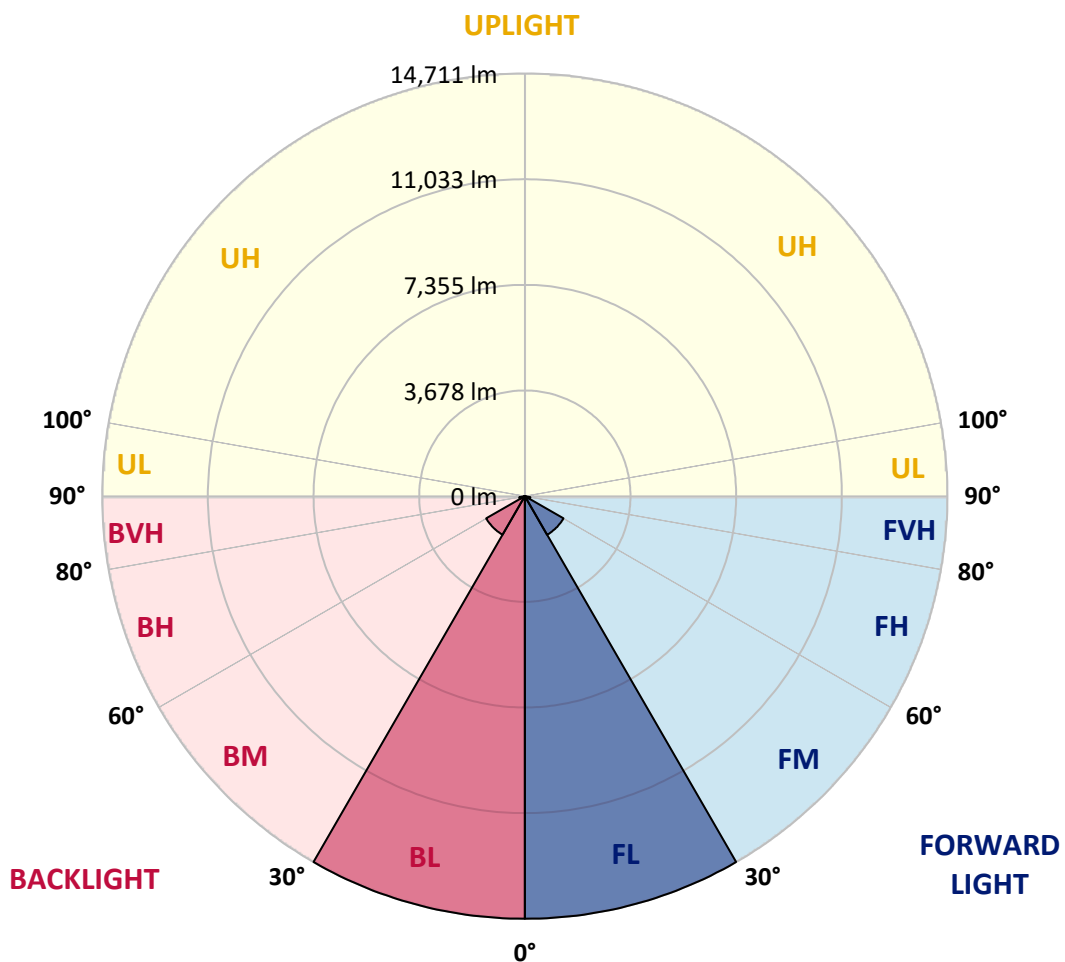
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14710.8	44.6			
FM (30°-60°)	1550.6	4.7			
FH (60°-80°)	193.7	0.6			G0/660
FVH (80°-90°)	21.5	0.1			G1/100
BL (0°-30°)	14710.8	44.6	B5		
BM (30°-60°)	1550.6	4.7	B2/2500		
BH (60°-80°)	193.7	0.6	B1/500		G0/660
BVH (80°-90°)	21.5	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°	98909.0	98909.0	98909.0	98909.0	98909.0	98909.0	98909.0	98909.0	98909.0	98909.0
1°	97477.3	97489.2	98020.2	98139.5	98503.4	98688.3	99022.4	98986.6	98885.2	98897.1
2°	95681.7	95604.1	96099.3	96648.1	97083.6	97441.5	97841.2	97924.7	97829.3	97918.8
3°	92728.7	92615.4	93307.4	93993.4	94751.0	95365.5	95968.0	95991.9	95878.5	95872.6
4°	88845.1	88636.3	89459.6	90682.5	91637.0	92454.3	93206.0	93194.0	93038.9	93164.2
5°	84150.2	83887.8	84955.6	86566.3	87980.1	88964.5	89793.7	89596.8	89238.9	89256.8
6°	78387.5	78644.0	79950.5	82211.4	83881.8	84699.1	85719.2	85349.3	84728.9	84663.3
7°	72970.8	73549.4	74593.4	77319.7	79306.2	80165.2	81030.3	80284.6	79443.4	79306.2
8°	67267.7	68234.1	69677.8	72189.3	74307.1	75172.1	75500.2	74700.8	73800.0	73764.2
9°	62644.4	63306.6	64547.4	66760.6	68914.2	69492.9	69564.4	68866.5	67965.7	68025.3
10°	58438.7	58563.9	59637.7	61540.8	63264.8	63676.4	63658.5	63151.5	62411.7	62608.6
12.5°	49025.0	49365.0	49675.2	50283.7	50862.4	51130.8	51029.4	50820.6	50415.0	50432.9
15°	42635.9	42629.9	42665.7	42946.1	43119.1	43148.9	43148.9	42886.4	42713.4	42970.0
17.5°	36998.4	37308.6	37863.4	38090.1	38316.8	38233.3	38078.2	37958.9	37845.5	38066.3
20°	32613.7	32750.9	32756.9	32906.0	34051.4	34111.1	33914.2	33574.2	33287.8	33234.2
22.5°	27680.2	27889.0	27978.5	28109.7	28229.0	29100.0	28867.4	28318.5	27978.5	27877.1
25°	20778.1	20706.5	21291.1	22364.9	22537.9	22645.3	22585.6	22299.3	22078.6	22120.3
27.5°	14359.1	14484.4	14460.5	14472.5	15611.9	15605.9	15588.0	15337.5	15271.8	15176.4
30°	8029.6	7970.0	7999.8	7922.3	7761.2	7958.1	7641.9	7910.3	7647.9	7731.4
32.5°	4748.6	4706.8	4665.1	4683.0	4563.7	4271.3	4146.1	4331.0	4271.3	4247.5
35°	3030.5	3048.4	3102.1	3096.1	2988.7	2821.7	2642.7	2809.8	2785.9	2714.3
37.5°	1932.8	1932.8	1950.7	2105.8	2016.4	1873.2	1747.9	1819.5	1813.5	1801.6
40°	1372.1	1372.1	1395.9	1437.7	1390.0	1318.4	1246.8	1246.8	1258.7	1222.9
42.5°	1020.1	1020.1	1044.0	1067.8	1008.2	984.3	948.5	924.7	954.5	924.7
45°	799.4	793.4	799.4	787.5	751.7	751.7	721.8	686.0	721.8	703.9
47.5°	656.2	650.2	644.3	620.4	584.6	590.6	578.7	548.8	566.7	560.8
50°	572.7	560.8	566.7	542.9	513.0	507.1	507.1	477.2	483.2	483.2
52.5°	501.1	501.1	495.1	483.2	471.3	447.4	453.4	423.6	423.6	423.6
55°	471.3	471.3	459.3	435.5	441.5	423.6	405.7	387.8	381.8	381.8
57.5°	465.3	465.3	459.3	435.5	417.6	411.6	387.8	363.9	346.0	352.0
60°	453.4	453.4	441.5	435.5	405.7	393.7	357.9	340.0	316.2	316.2
62.5°	435.5	429.5	405.7	369.9	369.9	340.0	316.2	280.4	262.5	256.5
65°	369.9	363.9	346.0	316.2	298.3	280.4	244.6	208.8	196.9	179.0
67.5°	304.2	304.2	292.3	262.5	250.6	226.7	184.9	161.1	131.2	119.3
70°	250.6	250.6	238.6	220.7	208.8	179.0	143.2	119.3	89.5	77.6
72.5°	202.8	202.8	190.9	179.0	167.0	149.1	119.3	89.5	59.7	47.7
75°	161.1	161.1	155.1	143.2	131.2	119.3	95.4	71.6	41.8	23.9
77.5°	131.2	131.2	125.3	119.3	107.4	95.4	77.6	59.7	29.8	11.9
80°	101.4	101.4	101.4	101.4	89.5	77.6	65.6	47.7	23.9	6.0
82.5°	71.6	71.6	77.6	89.5	71.6	59.7	59.7	47.7	17.9	6.0
85°	47.7	53.7	59.7	53.7	47.7	47.7	83.5	77.6	17.9	6.0
87.5°	23.9	23.9	23.9	23.9	23.9	17.9	23.9	17.9	11.9	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°  
98909.0  
**98163.3**  
97214.8  
95353.6  
92573.6  
88385.8  
83792.3  
78656.0  
72457.7  
67136.5  
61916.6  
49842.3  
42373.4  
37559.2  
32888.2  
27513.2  
21977.1  
14830.4  
7832.8  
4187.8  
2636.8  
1777.7  
1211.0  
918.7  
703.9  
560.8  
489.2  
423.6  
375.8  
352.0  
298.3  
244.6  
173.0  
113.3  
71.6  
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