

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: P635838

Luminaire Tested: **IFLD-S-SA2A-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635838
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (32) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4292.1 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

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



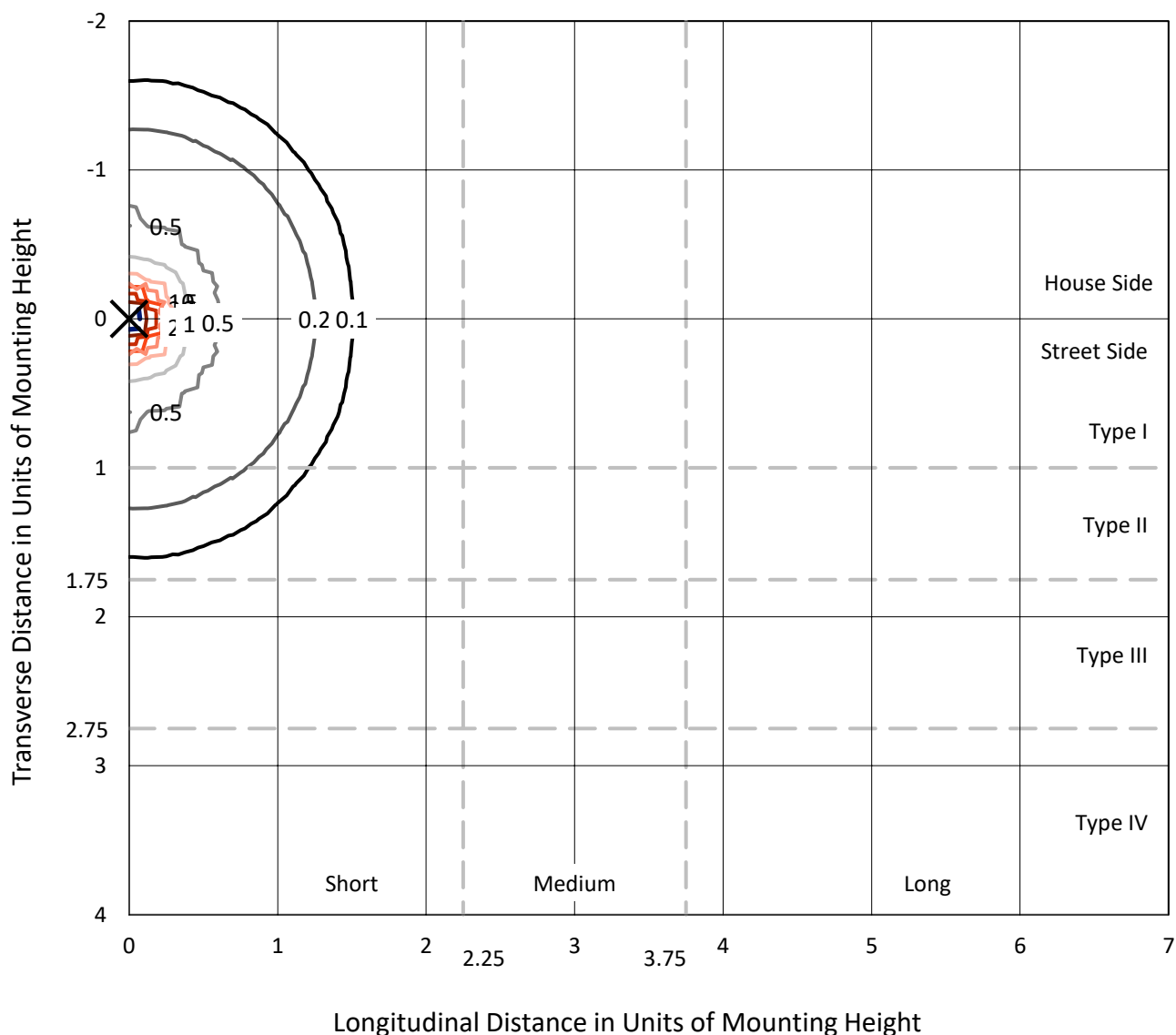
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

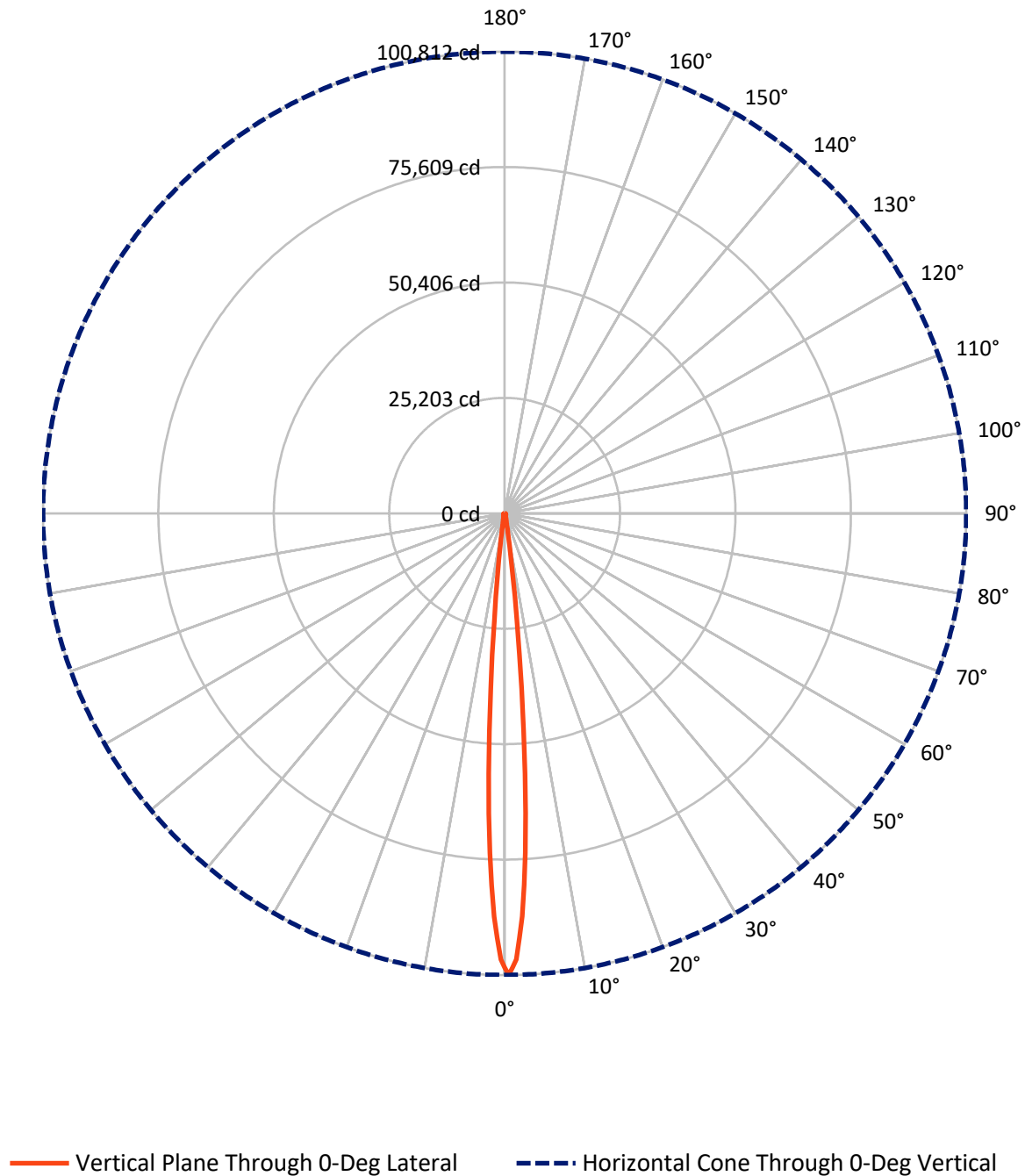


Based on 20 foot mounting height. Maximum calculated value = 252 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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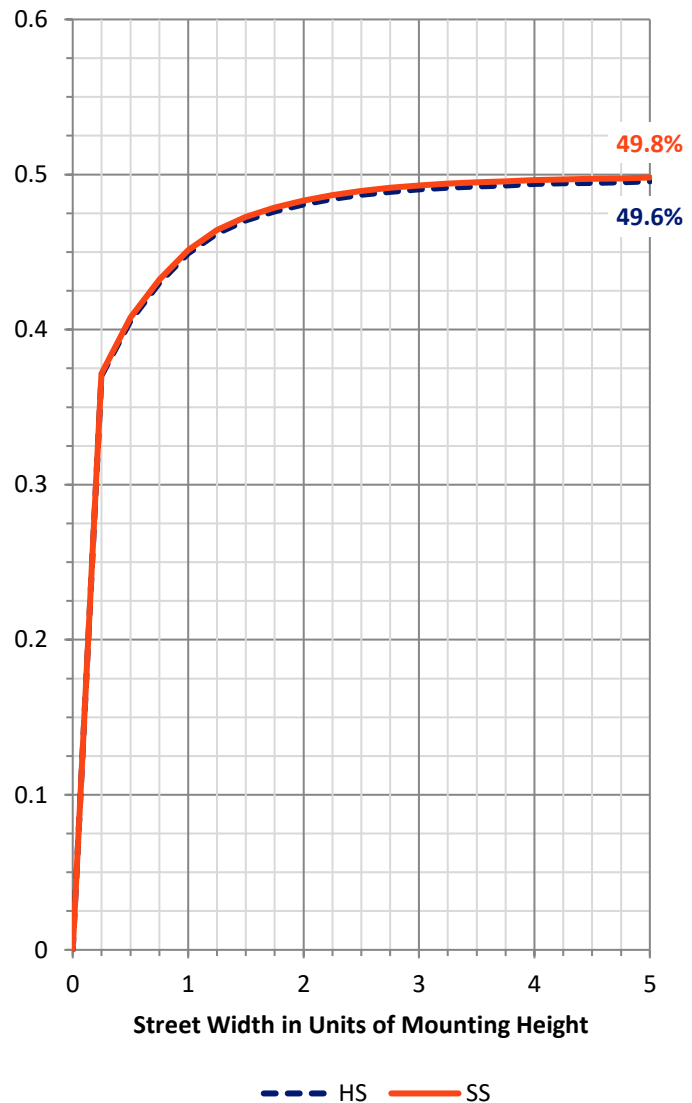
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2146.0	0.0	2146.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2146.0	0.0	2146.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4292.1	0.0	4292.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2709.0	63.1
10°-20°	334.8	7.8
20°-30°	200.6	4.7
30°-40°	215.7	5.0
40°-50°	290.0	6.8
50°-60°	258.5	6.0
60°-70°	170.8	4.0
70°-80°	84.7	2.0
80°-90°	27.9	0.7
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°	4292.1	100.0
0°-180°	4292.1	100.0

Coefficient of Utilization



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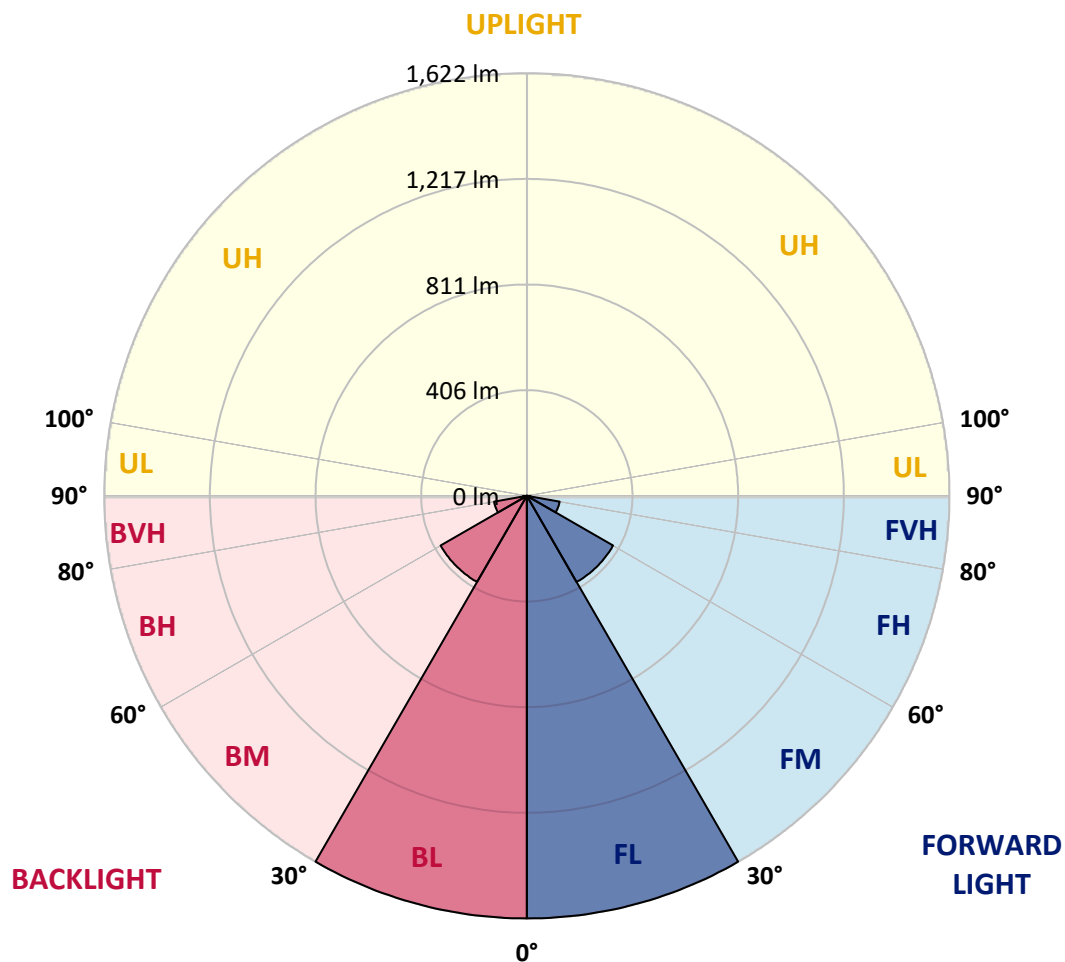
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1622.2	37.8			
FM	(30°-60°)	382.1	8.9			
FH	(60°-80°)	127.7	3.0			G0/660
FVH	(80°-90°)	14.0	0.3			G1/100
BL	(0°-30°)	1622.2	37.8	B3/2500		
BM	(30°-60°)	382.1	8.9	B1/1000		
BH	(60°-80°)	127.7	3.0	B1/500		G0/660
BVH	(80°-90°)	14.0	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	100812.4	100812.4	100812.4	100812.4	100812.4	100812.4	100812.4	100812.4	100812.4	100812.4
1°	97433.3	96433.2	96947.6	97439.2	98128.7	98432.4	98742.0	98973.5	98969.5	99351.3
2°	88128.0	86516.6	87263.4	88179.4	89951.1	90459.5	91309.2	92360.7	92425.0	93376.6
3°	74281.3	72019.0	73119.0	74750.2	77687.1	78446.8	79808.9	80770.4	80341.1	81454.9
4°	57001.1	54049.4	55730.0	58144.6	61003.4	63903.7	63961.1	64650.5	63235.0	63166.7
5°	38456.8	35854.2	38010.6	41030.6	43500.6	45527.5	46775.9	46861.9	45331.6	45192.2
6°	23454.7	21732.5	23609.0	26805.1	30226.7	31069.5	31260.4	30827.1	28820.1	27709.2
7°	12963.3	12261.0	14095.0	16002.1	18670.0	19903.5	19049.8	17665.0	17050.7	15728.1
8°	7148.9	6802.7	7325.9	8973.9	11044.3	11854.5	11030.5	9592.2	8556.5	8190.5
9°	4309.9	4118.0	4331.7	4958.8	5853.0	6414.9	5943.1	5234.8	4797.6	4675.9
10°	2862.7	2787.5	2878.5	3090.2	3411.7	3575.9	3458.2	3177.3	3044.7	3036.8
12.5°	1502.6	1488.7	1511.5	1535.2	1590.6	1599.5	1578.7	1559.0	1528.3	1540.2
15°	967.4	954.6	978.3	1009.0	1022.8	1031.7	1032.7	1021.8	1001.1	991.2
17.5°	705.3	708.3	710.2	728.0	754.8	775.5	766.6	754.8	731.0	719.1
20°	580.7	581.6	585.6	595.5	604.4	633.1	624.2	606.4	583.6	574.7
22.5°	496.6	498.6	500.5	506.5	508.4	516.4	517.3	501.5	488.7	483.7
25°	437.2	437.2	440.2	445.1	447.1	441.2	442.2	435.2	423.4	417.4
27.5°	370.9	372.9	375.9	377.9	373.9	367.0	358.1	364.0	358.1	344.2
30°	330.4	332.4	341.3	335.3	326.4	317.5	312.6	320.5	321.5	309.6
32.5°	327.4	328.4	331.4	328.4	317.5	306.6	299.7	308.6	310.6	305.7
35°	342.3	339.3	343.2	345.2	334.3	322.5	313.6	321.5	327.4	329.4
37.5°	414.5	397.7	384.8	380.8	373.9	366.0	354.1	356.1	367.0	376.9
40°	394.7	390.7	385.8	372.9	360.1	370.0	356.1	352.2	376.9	378.9
42.5°	391.7	394.7	390.7	374.9	362.0	371.9	369.0	357.1	381.8	378.9
45°	393.7	396.7	405.6	378.9	368.0	372.9	378.9	366.0	390.7	380.8
47.5°	377.9	381.8	391.7	376.9	370.0	369.0	377.9	366.0	378.9	377.9
50°	357.1	361.1	364.0	351.2	364.0	357.1	358.1	353.1	353.1	355.1
52.5°	330.4	334.3	337.3	322.5	330.4	333.4	321.5	320.5	311.6	314.6
55°	297.7	303.7	306.6	300.7	296.8	302.7	285.9	283.9	266.1	267.1
57.5°	260.2	266.1	269.1	276.0	273.0	261.1	251.3	243.3	223.6	215.6
60°	268.1	274.0	268.1	248.3	248.3	221.6	212.7	195.9	176.1	166.2
62.5°	259.2	267.1	266.1	245.3	220.6	187.0	171.1	153.3	133.5	120.7
65°	244.3	252.2	248.3	234.4	210.7	160.2	136.5	118.7	94.0	91.0
67.5°	219.6	231.5	223.6	214.7	195.9	145.4	108.8	89.0	68.3	68.3
70°	182.0	190.9	195.9	186.0	175.1	136.5	93.0	68.3	49.5	37.6
72.5°	146.4	154.3	162.2	157.3	147.4	123.6	83.1	54.4	35.6	21.8
75°	81.1	84.1	87.0	98.9	112.8	100.9	76.2	47.5	29.7	16.8
77.5°	62.3	65.3	72.2	66.3	61.3	78.1	83.1	55.4	25.7	11.9
80°	48.5	52.4	74.2	61.3	52.4	59.4	71.2	48.5	16.8	5.9
82.5°	36.6	39.6	52.4	58.4	55.4	44.5	38.6	32.6	14.8	4.0
85°	26.7	30.7	36.6	32.6	31.7	31.7	42.5	28.7	10.9	3.0
87.5°	15.8	15.8	16.8	15.8	14.8	14.8	16.8	13.8	6.9	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
100812.4
98583.7
92535.8
80263.9
62866.0
44627.3
27806.1
15106.9
7858.1
4510.7
2942.8
1495.7
975.3
706.3
564.8
477.8
412.5
345.2
305.7
302.7
329.4
385.8
381.8
376.9
377.9
375.9
348.2
309.6
260.2
210.7
158.3
118.7
91.0
60.3
33.6
20.8
14.8
5.9
4.0
3.0
2.0
2.0
0.0

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