

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: P635902

Luminaire Tested: **IFLD-S-SA3B-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635902
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8296.7 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 122.4
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



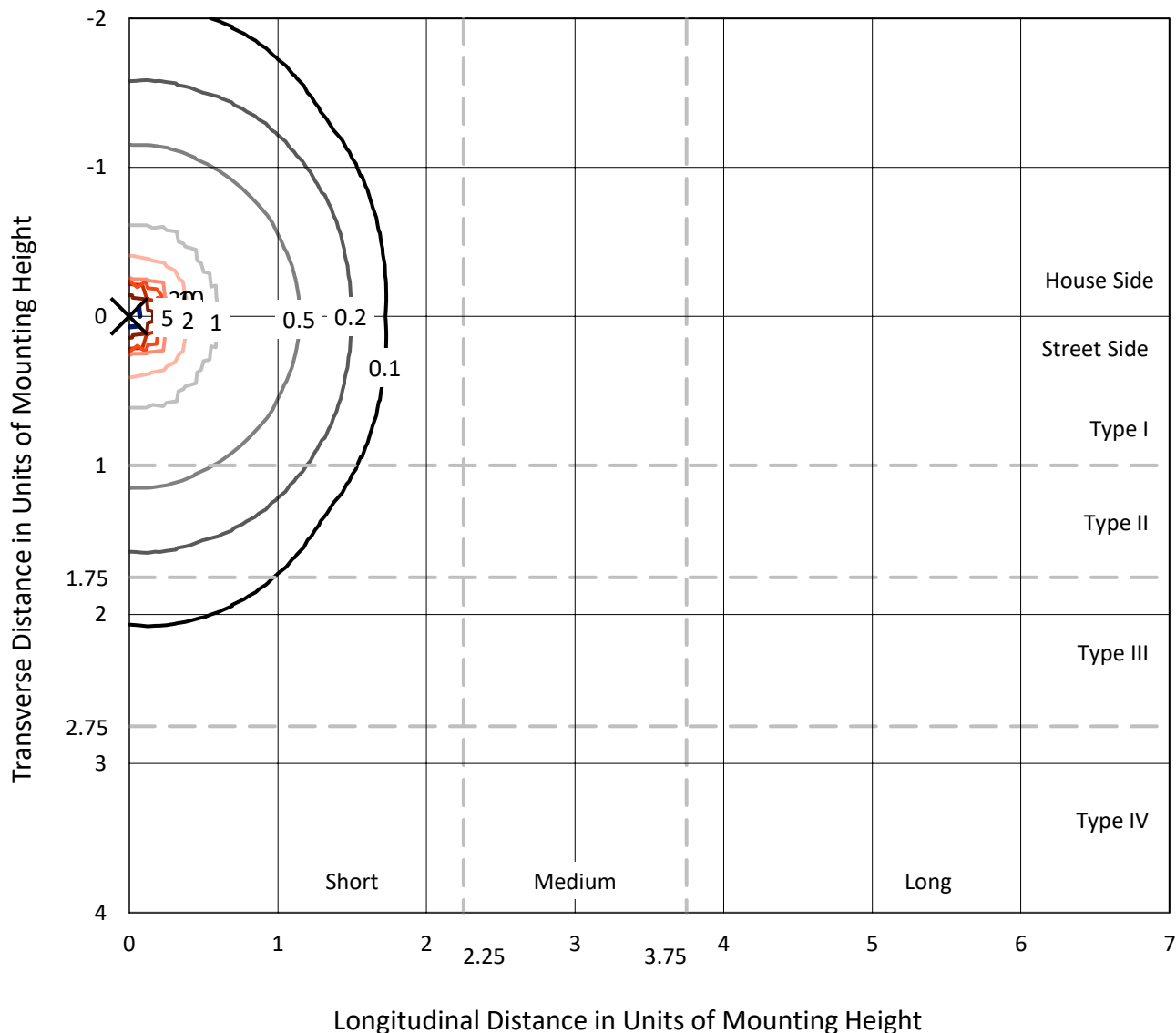
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

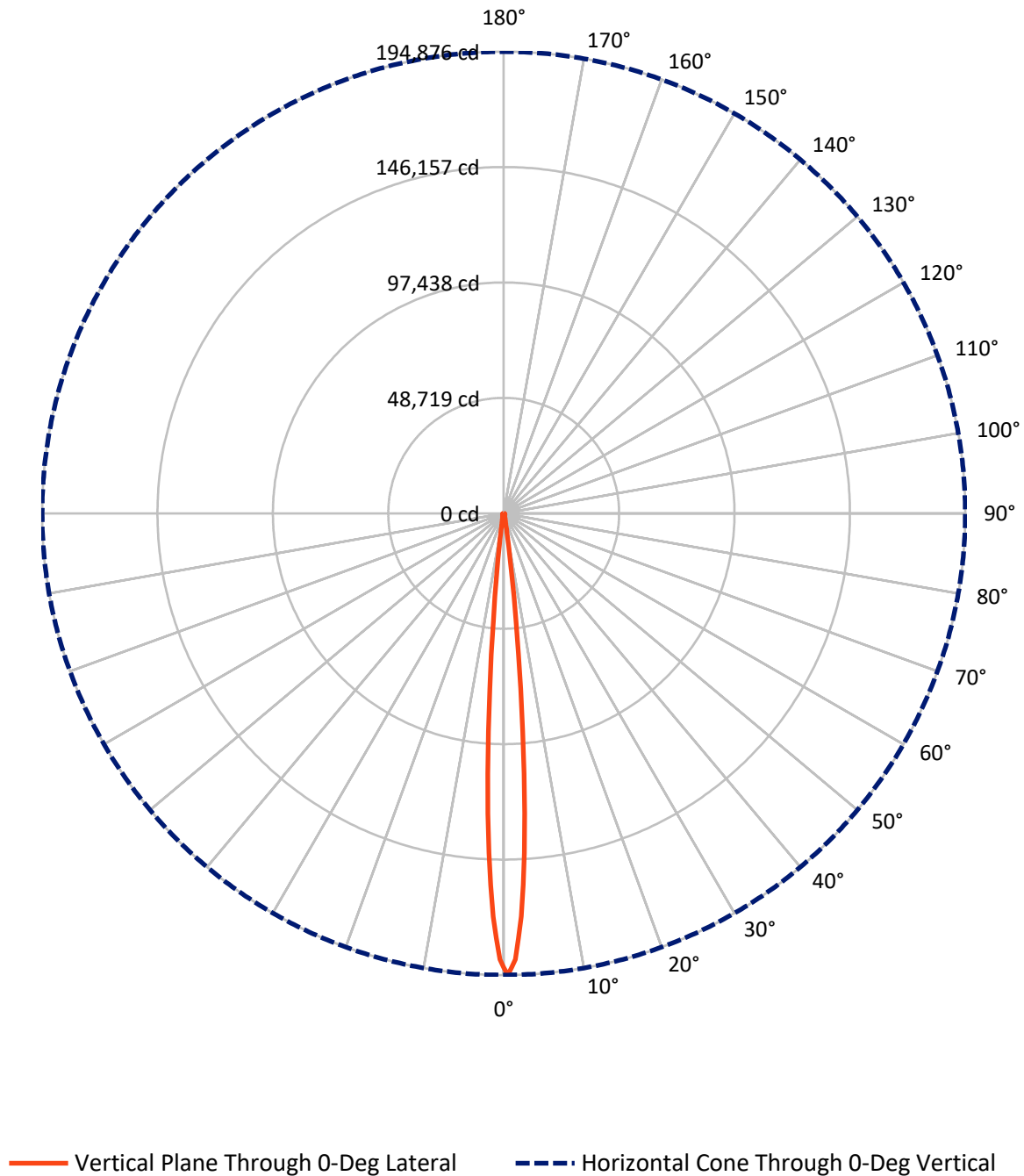


Based on 20 foot mounting height. Maximum calculated value = 487.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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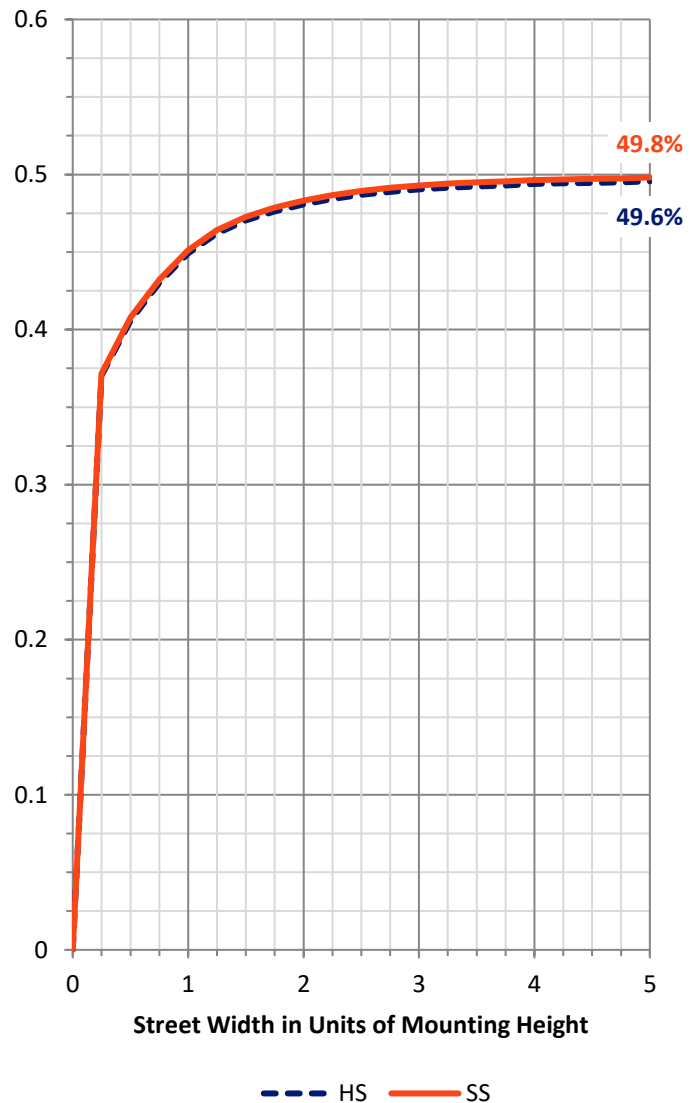
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4148.4	0.0	4148.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4148.4	0.0	4148.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	8296.7	0.0	8296.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5236.7	63.1
10°-20°	647.2	7.8
20°-30°	387.8	4.7
30°-40°	416.9	5.0
40°-50°	560.6	6.8
50°-60°	499.7	6.0
60°-70°	330.1	4.0
70°-80°	163.7	2.0
80°-90°	54.0	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°	8296.7	100.0
0°-180°	8296.7	100.0

Coefficient of Utilization



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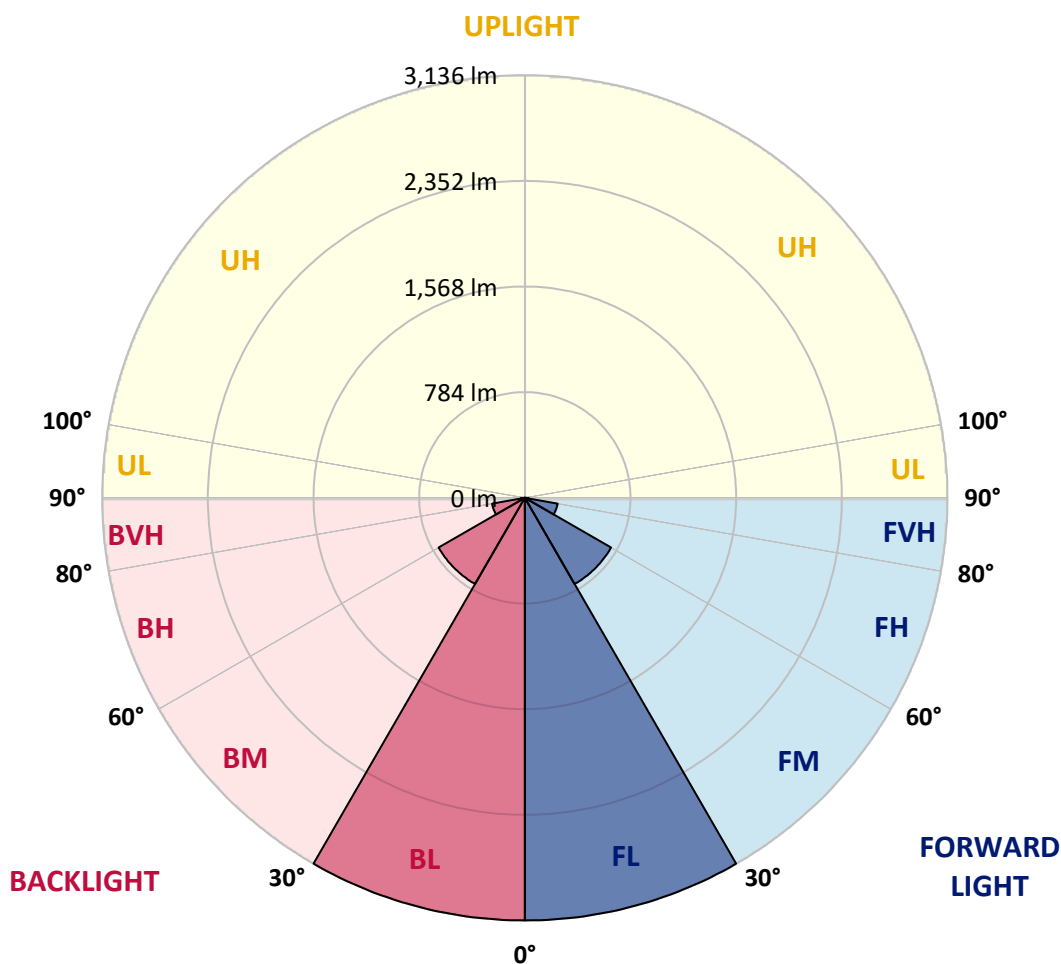
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3135.8	37.8			
FM	(30°-60°)	738.6	8.9			
FH	(60°-80°)	246.9	3.0			G0/660
FVH	(80°-90°)	27.0	0.3			G1/100
BL	(0°-30°)	3135.8	37.8	B4/5000		
BM	(30°-60°)	738.6	8.9	B1/1000		
BH	(60°-80°)	246.9	3.0	B1/500		G0/660
BVH	(80°-90°)	27.0	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	194875.6	194875.6	194875.6	194875.6	194875.6	194875.6	194875.6	194875.6	194875.6	194875.6
1°	188343.7	186410.5	187404.8	188355.2	189687.9	190275.0	190873.5	191320.9	191313.3	192051.4
2°	170356.0	167241.1	168684.8	170455.4	173880.1	174863.0	176505.5	178538.1	178662.4	180501.9
3°	143589.6	139216.5	141342.9	144496.0	150173.2	151641.7	154274.8	156133.4	155303.5	157456.6
4°	110186.2	104480.3	107729.0	112396.6	117922.7	123529.2	123640.1	124972.9	122236.6	122104.6
5°	74338.9	69308.1	73476.6	79314.4	84089.0	88007.0	90420.2	90586.5	87628.4	87358.8
6°	45339.2	42010.1	45637.5	51815.6	58429.8	60059.0	60428.0	59590.5	55710.7	53563.4
7°	25058.8	23701.2	27246.3	30933.0	36090.1	38474.5	36824.3	34147.3	32959.9	30403.3
8°	13819.2	13149.9	14161.4	17347.1	21349.2	22915.3	21322.5	18542.2	16540.2	15832.7
9°	8331.3	7960.3	8373.3	9585.6	11314.2	12400.3	11488.2	10119.1	9274.0	9038.8
10°	5533.8	5388.5	5564.4	5973.6	6595.0	6912.4	6684.9	6141.8	5885.6	5870.3
12.5°	2904.6	2877.8	2921.8	2967.7	3074.7	3092.0	3051.8	3013.6	2954.3	2977.2
15°	1870.1	1845.2	1891.1	1950.4	1977.2	1994.4	1996.3	1975.3	1935.1	1916.0
17.5°	1363.4	1369.1	1372.9	1407.3	1459.0	1499.1	1481.9	1459.0	1413.1	1390.1
20°	1122.4	1124.3	1132.0	1151.1	1168.3	1223.8	1206.6	1172.2	1128.2	1111.0
22.5°	959.9	963.7	967.6	979.0	982.8	998.1	1000.1	969.5	944.6	935.0
25°	845.2	845.2	850.9	860.5	864.3	852.8	854.7	841.3	818.4	806.9
27.5°	717.1	720.9	726.6	730.4	722.8	709.4	692.2	703.7	692.2	665.4
30°	638.7	642.5	659.7	648.2	631.0	613.8	604.2	619.5	621.5	598.5
32.5°	632.9	634.8	640.6	634.8	613.8	592.8	579.4	596.6	600.4	590.9
35°	661.6	655.9	663.5	667.3	646.3	623.4	606.2	621.5	632.9	636.7
37.5°	801.2	768.7	743.8	736.2	722.8	707.5	684.6	688.4	709.4	728.5
40°	763.0	755.3	745.7	720.9	696.0	715.1	688.4	680.7	728.5	732.4
42.5°	757.2	763.0	755.3	724.7	699.8	719.0	713.2	690.3	738.1	732.4
45°	761.0	766.8	784.0	732.4	711.3	720.9	732.4	707.5	755.3	736.2
47.5°	730.4	738.1	757.2	728.5	715.1	713.2	730.4	707.5	732.4	730.4
50°	690.3	697.9	703.7	678.8	703.7	690.3	692.2	682.6	682.6	686.5
52.5°	638.7	646.3	652.0	623.4	638.7	644.4	621.5	619.5	602.3	608.1
55°	575.6	587.0	592.8	581.3	573.6	585.1	552.6	548.8	514.4	516.3
57.5°	502.9	514.4	520.1	533.5	527.8	504.8	485.7	470.4	432.1	416.9
60°	518.2	529.7	518.2	480.0	480.0	428.3	411.1	378.6	340.4	321.2
62.5°	501.0	516.3	514.4	474.2	426.4	361.4	330.8	296.4	258.1	233.3
65°	472.3	487.6	480.0	453.2	407.3	309.8	263.9	229.5	181.7	175.9
67.5°	424.5	447.4	432.1	414.9	378.6	281.1	210.3	172.1	131.9	131.9
70°	351.8	369.0	378.6	359.5	338.5	263.9	179.7	131.9	95.6	72.7
72.5°	283.0	298.3	313.6	304.0	284.9	239.0	160.6	105.2	68.8	42.1
75°	156.8	162.5	168.3	191.2	218.0	195.0	147.2	91.8	57.4	32.5
77.5°	120.5	126.2	139.6	128.1	118.6	151.1	160.6	107.1	49.7	22.9
80°	93.7	101.3	143.4	118.6	101.3	114.7	137.7	93.7	32.5	11.5
82.5°	70.7	76.5	101.3	112.8	107.1	86.0	74.6	63.1	28.7	7.6
85°	51.6	59.3	70.7	63.1	61.2	61.2	82.2	55.5	21.0	5.7
87.5°	30.6	30.6	32.5	30.6	28.7	28.7	32.5	26.8	13.4	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
<u>194875.6</u>
190567.5
178876.6
155154.4
121523.3
86267.0
53750.7
29202.5
15190.2
8719.4
5688.7
2891.2
1885.4
1365.3
1091.8
923.6
797.4
667.3
590.9
585.1
636.7
745.7
738.1
728.5
730.4
726.6
673.1
598.5
502.9
407.3
305.9
229.5
175.9
116.6
65.0
40.2
28.7
11.5
7.6
5.7
3.8
3.8
0.0

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