

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: P635871

Luminaire Tested: **IFLD-S-SA2E-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635871
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (32) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8506.1 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 156.2
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

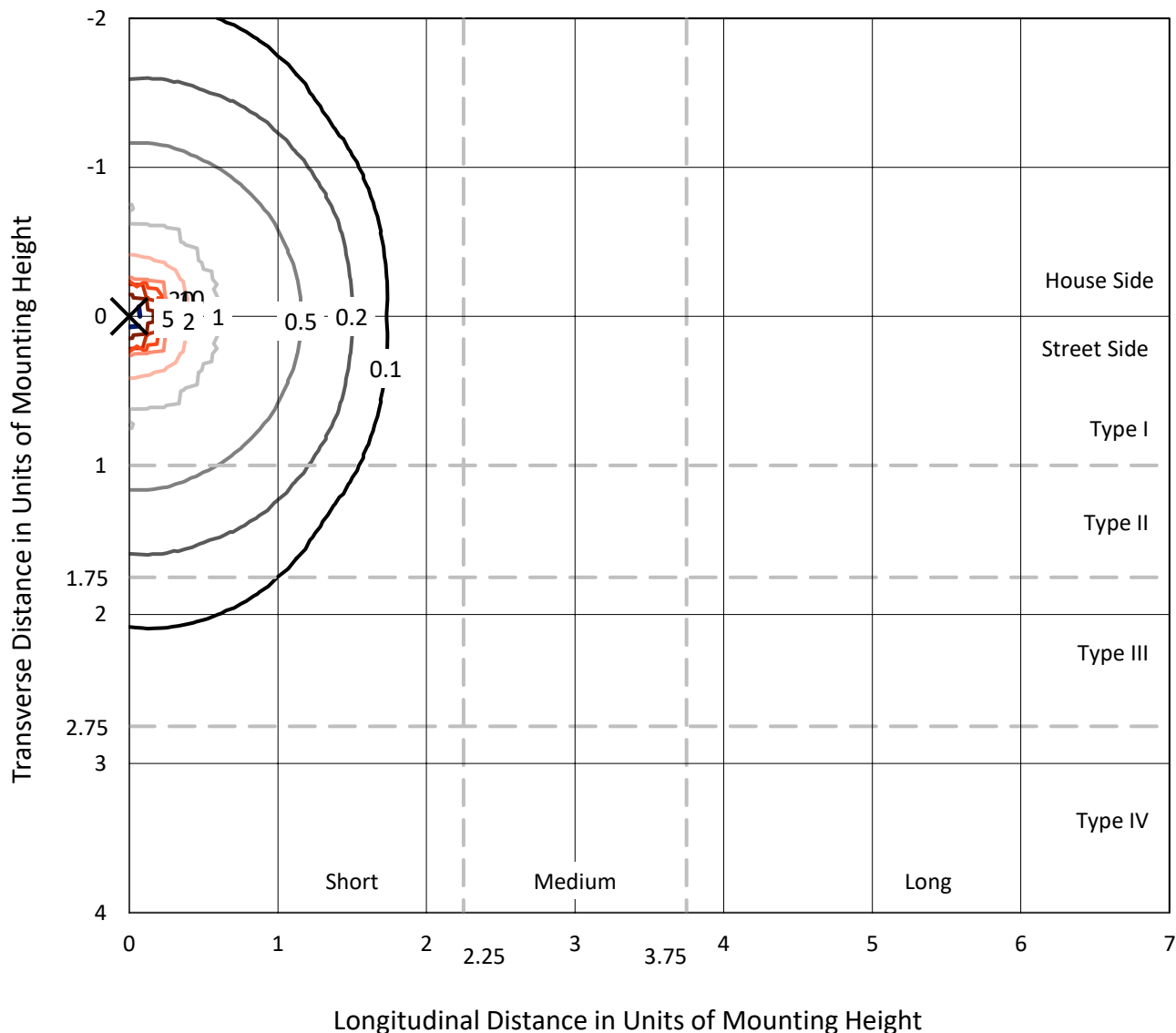


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

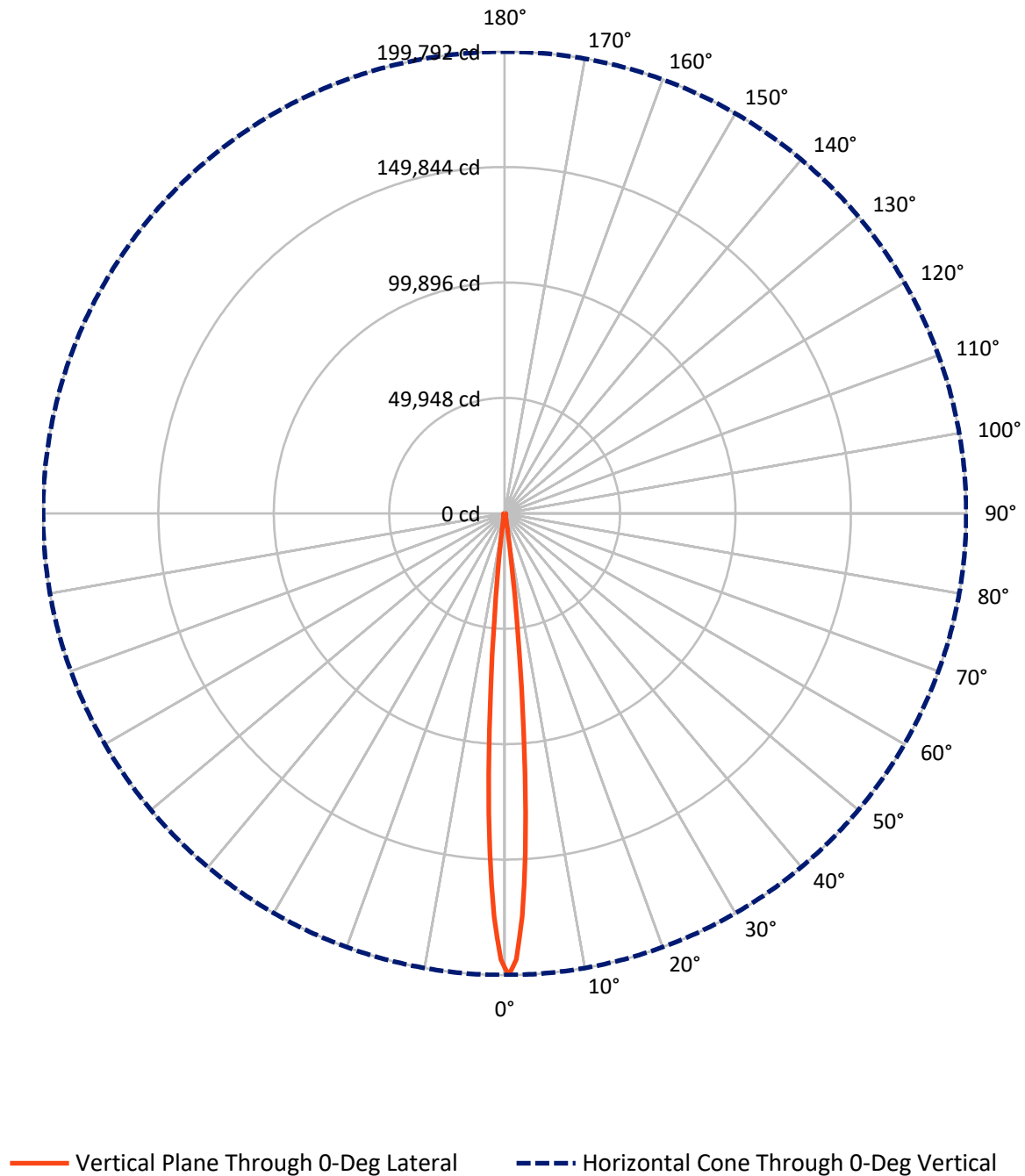
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 499.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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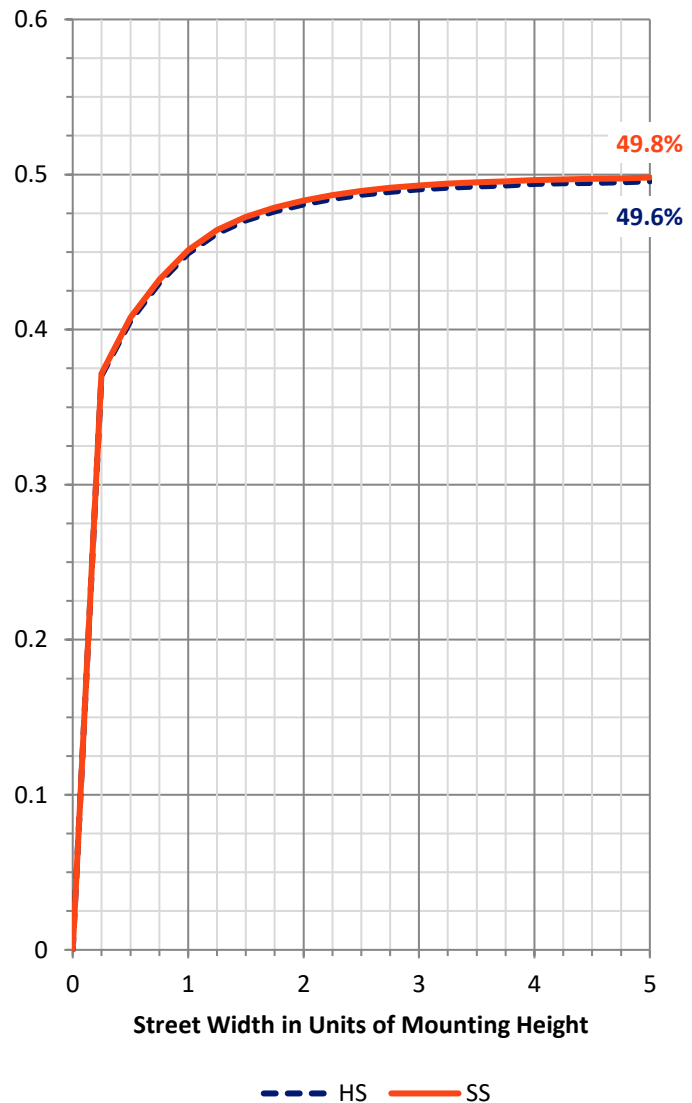
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4253.0	0.0	4253.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4253.0	0.0	4253.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	8506.1	0.0	8506.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5368.8	63.1
10°-20°	663.5	7.8
20°-30°	397.5	4.7
30°-40°	427.4	5.0
40°-50°	574.7	6.8
50°-60°	512.4	6.0
60°-70°	338.4	4.0
70°-80°	167.8	2.0
80°-90°	55.4	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°	8506.1	100.0
0°-180°	8506.1	100.0



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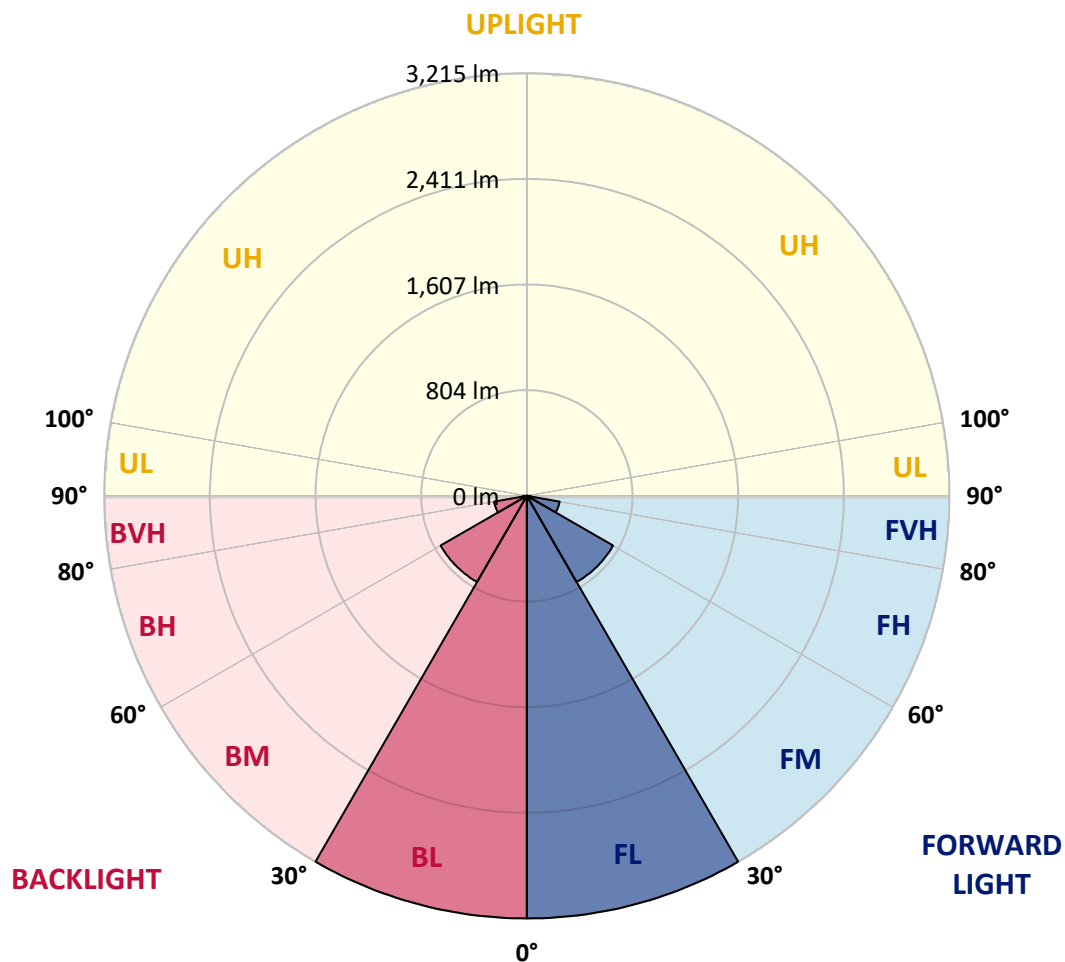
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3215.0	37.8			
FM	(30°-60°)	757.3	8.9			
FH	(60°-80°)	253.1	3.0			G0/660
FVH	(80°-90°)	27.7	0.3			G1/100
BL	(0°-30°)	3215.0	37.8	B4/5000		
BM	(30°-60°)	757.3	8.9	B1/1000		
BH	(60°-80°)	253.1	3.0	B1/500		G0/660
BVH	(80°-90°)	27.7	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°	199792.3	199792.3	199792.3	199792.3	199792.3	199792.3	199792.3	199792.3	199792.3	199792.3
1°	193095.6	191113.6	192133.0	193107.3	194473.7	195075.6	195689.2	196147.9	196140.1	196896.8
2°	174654.1	171460.6	172940.7	174756.0	178267.1	179274.7	180958.7	183042.6	183170.1	185056.0
3°	147212.4	142728.9	144908.9	148141.6	153962.0	155467.6	158167.1	160072.6	159221.8	161429.2
4°	112966.1	107116.3	110447.0	115232.4	120897.9	126645.8	126759.5	128125.9	125320.6	125185.3
5°	76214.5	71056.7	75330.4	81315.5	86210.6	90227.5	92701.5	92872.0	89839.3	89562.9
6°	46483.1	43070.0	46788.9	53122.9	59904.0	61574.2	61952.6	61093.9	57116.3	54914.8
7°	25691.1	24299.2	27933.8	31713.4	37000.6	39445.2	37753.4	35008.8	33791.4	31170.4
8°	14167.8	13481.7	14518.7	17784.8	21887.9	23493.4	21860.4	19010.0	16957.5	16232.1
9°	8541.5	8161.1	8584.6	9827.5	11599.7	12713.2	11778.1	10374.4	9507.9	9266.8
10°	5673.4	5524.4	5704.8	6124.3	6761.4	7086.8	6853.6	6296.8	6034.1	6018.4
12.5°	2977.8	2950.4	2995.5	3042.5	3152.3	3170.0	3128.8	3089.6	3028.8	3052.3
15°	1917.3	1891.8	1938.8	1999.6	2027.1	2044.7	2046.7	2025.1	1983.9	1964.3
17.5°	1397.8	1403.6	1407.6	1442.9	1495.8	1537.0	1519.3	1495.8	1448.7	1425.2
20°	1150.8	1152.7	1160.6	1180.2	1197.8	1254.7	1237.0	1201.7	1156.6	1139.0
22.5°	984.1	988.0	992.0	1003.7	1007.6	1023.3	1025.3	993.9	968.4	958.6
25°	866.5	866.5	872.4	882.2	886.1	874.3	876.3	862.6	839.1	827.3
27.5°	735.2	739.1	745.0	748.9	741.0	727.3	709.7	721.4	709.7	682.2
30°	654.8	658.7	676.3	664.6	646.9	629.3	619.5	635.2	637.1	613.6
32.5°	648.9	650.9	656.7	650.9	629.3	607.7	594.0	611.6	615.6	605.8
35°	678.3	672.4	680.3	684.2	662.6	639.1	621.4	637.1	648.9	652.8
37.5°	821.4	788.1	762.6	754.8	741.0	725.3	701.8	705.7	727.3	746.9
40°	782.2	774.4	764.6	739.1	713.6	733.2	705.7	697.9	746.9	750.8
42.5°	776.3	782.2	774.4	743.0	717.5	737.1	731.2	707.7	756.7	750.8
45°	780.2	786.1	803.8	750.8	729.3	739.1	750.8	725.3	774.4	754.8
47.5°	748.9	756.7	776.3	746.9	733.2	731.2	748.9	725.3	750.8	748.9
50°	707.7	715.5	721.4	695.9	721.4	707.7	709.7	699.9	699.9	703.8
52.5°	654.8	662.6	668.5	639.1	654.8	660.7	637.1	635.2	617.5	623.4
55°	590.1	601.8	607.7	596.0	588.1	599.9	566.6	562.6	527.3	529.3
57.5°	515.6	527.3	533.2	547.0	541.1	517.5	497.9	482.3	443.1	427.4
60°	531.3	543.0	531.3	492.1	492.1	439.1	421.5	388.2	349.0	329.3
62.5°	513.6	529.3	527.3	486.2	437.2	370.5	339.1	303.9	264.7	239.2
65°	484.2	499.9	492.1	464.6	417.6	317.6	270.5	235.2	186.2	180.4
67.5°	435.2	458.7	443.1	425.4	388.2	288.2	215.6	176.4	135.3	135.3
70°	360.7	378.4	388.2	368.6	347.0	270.5	184.3	135.3	98.0	74.5
72.5°	290.1	305.8	321.5	311.7	292.1	245.1	164.7	107.8	70.6	43.1
75°	160.8	166.6	172.5	196.0	223.5	200.0	151.0	94.1	58.8	33.3
77.5°	123.5	129.4	143.1	131.3	121.5	154.9	164.7	109.8	51.0	23.5
80°	96.1	103.9	147.0	121.5	103.9	117.6	141.1	96.1	33.3	11.8
82.5°	72.5	78.4	103.9	115.7	109.8	88.2	76.5	64.7	29.4	7.8
85°	52.9	60.8	72.5	64.7	62.7	62.7	84.3	56.9	21.6	5.9
87.5°	31.4	31.4	33.3	31.4	29.4	29.4	33.3	27.4	13.7	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
199792.3
195375.5
183389.6
159068.9
124589.4
88443.5
55106.9
29939.2
15573.4
8939.4
5832.2
2964.1
1933.0
1399.7
1119.4
946.9
817.5
684.2
605.8
599.9
652.8
764.6
756.7
746.9
748.9
745.0
690.1
613.6
515.6
417.6
313.7
235.2
180.4
119.6
66.7
41.2
29.4
11.8
7.8
5.9
3.9
3.9
0.0

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