

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: P635928

Luminaire Tested: **IFLD-S-SA2D-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635928
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (32) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8298.7 lumens
Efficiency: N/A
Efficacy: 67.0 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): 123.9
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



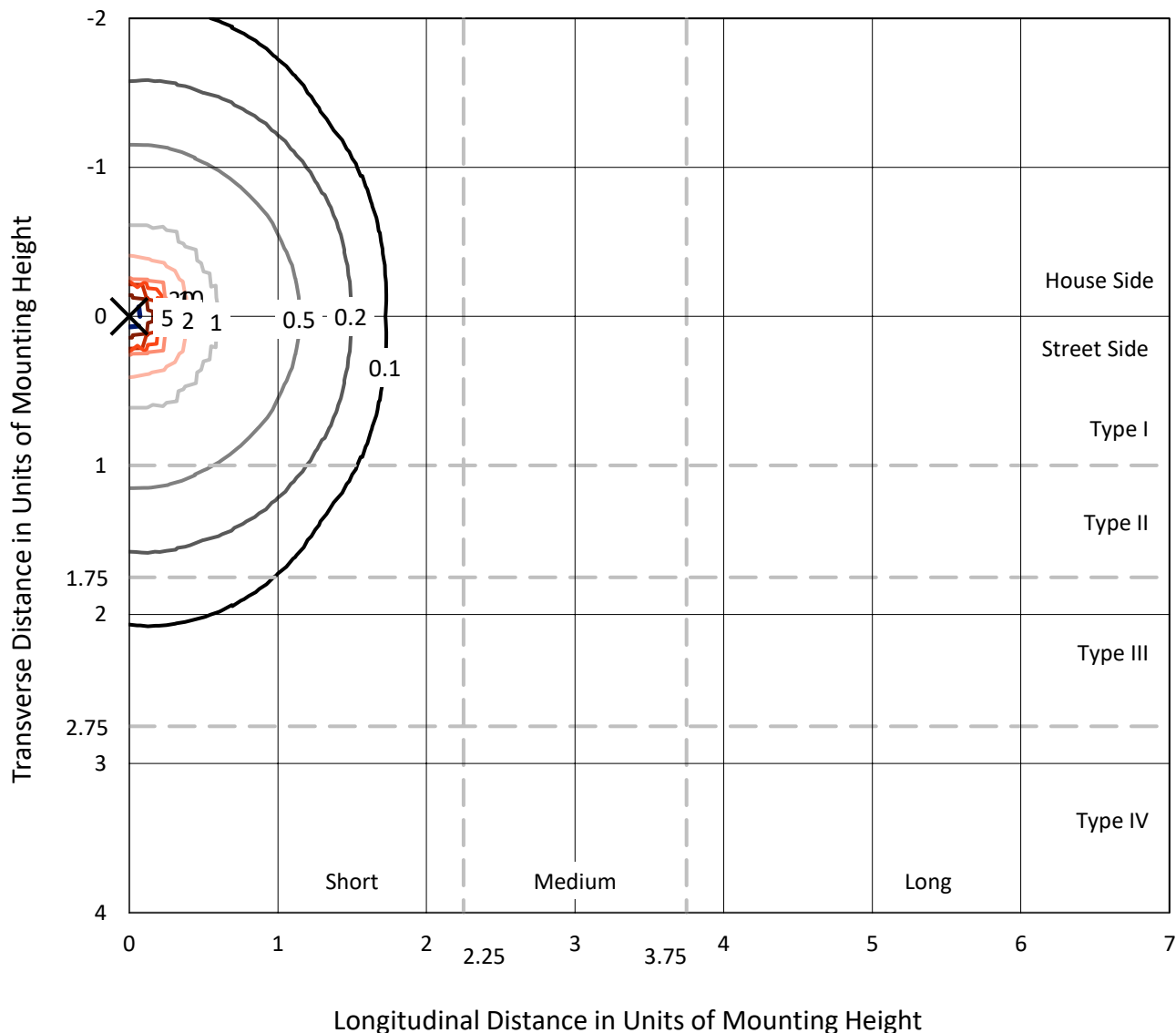
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

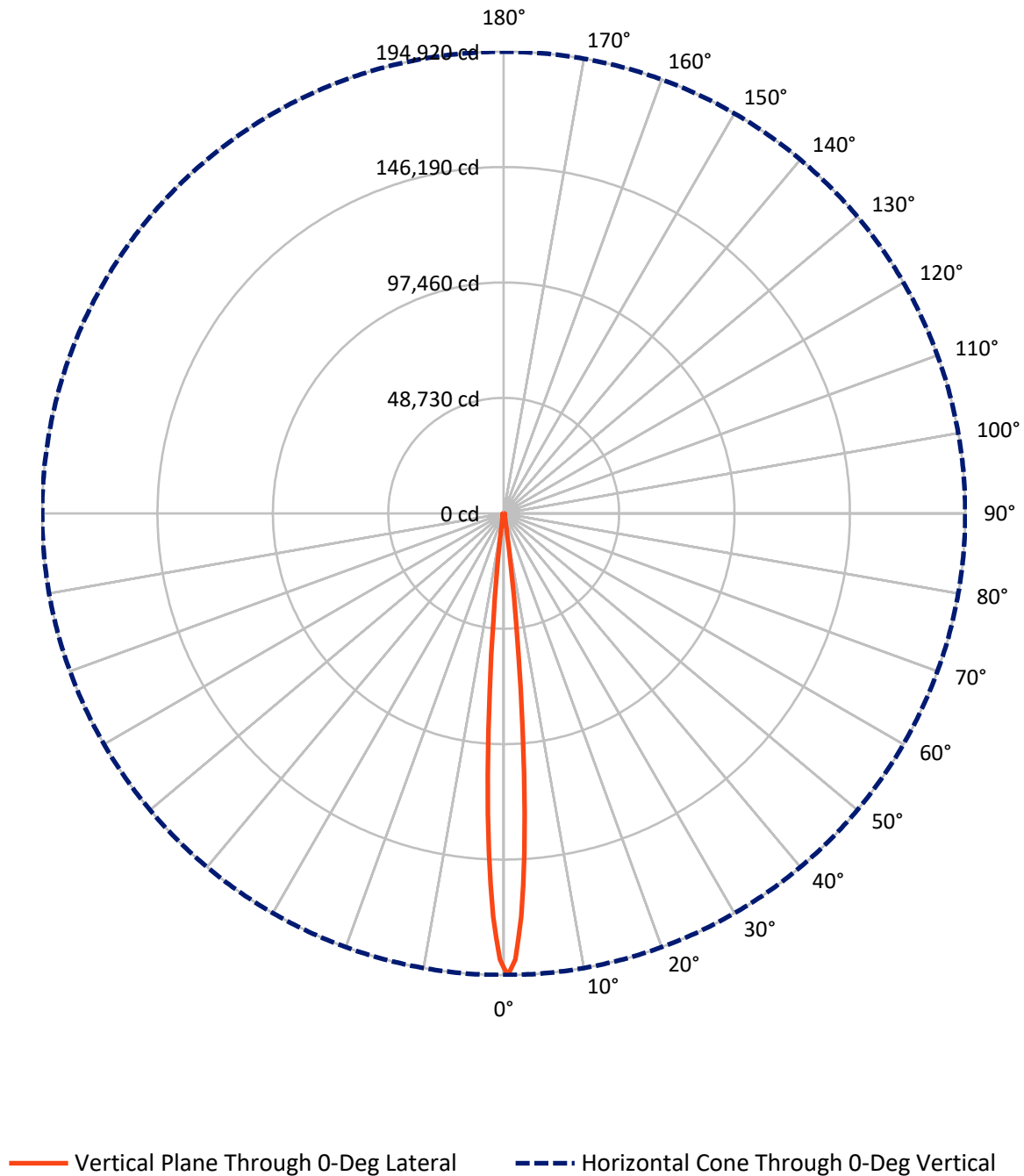


Based on 20 foot mounting height. Maximum calculated value = 487.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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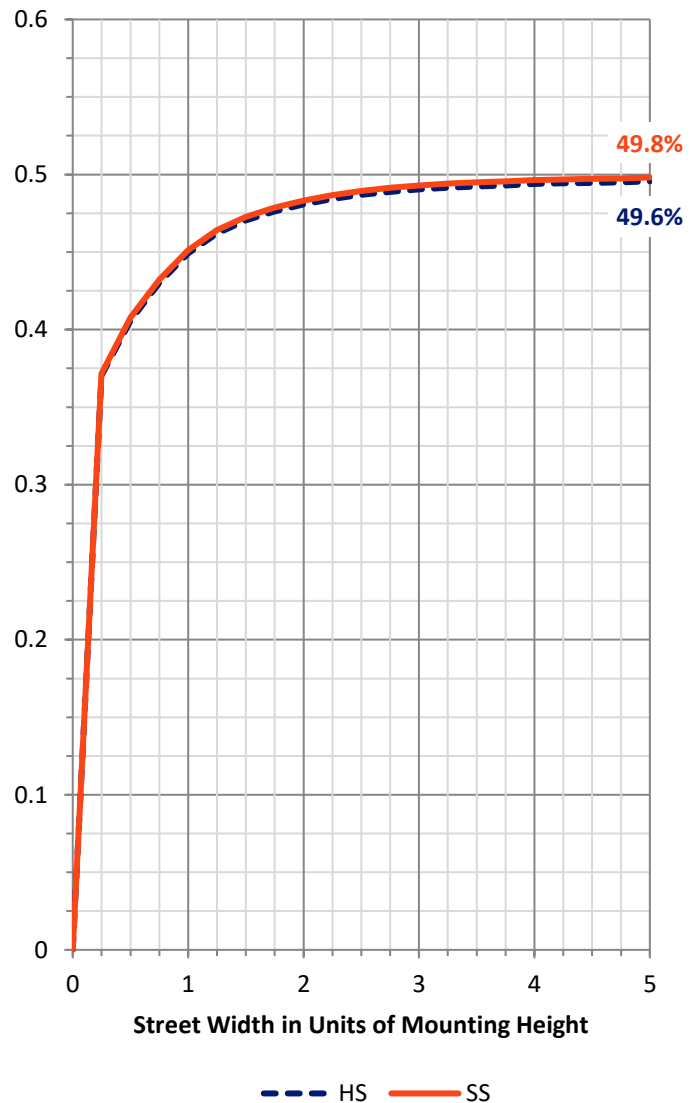
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4149.3	0.0	4149.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4149.3	0.0	4149.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	8298.7	0.0	8298.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5237.9	63.1
10°-20°	647.3	7.8
20°-30°	387.9	4.7
30°-40°	417.0	5.0
40°-50°	560.7	6.8
50°-60°	499.9	6.0
60°-70°	330.2	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°	8298.7	100.0
0°-180°	8298.7	100.0

Coefficient of Utilization



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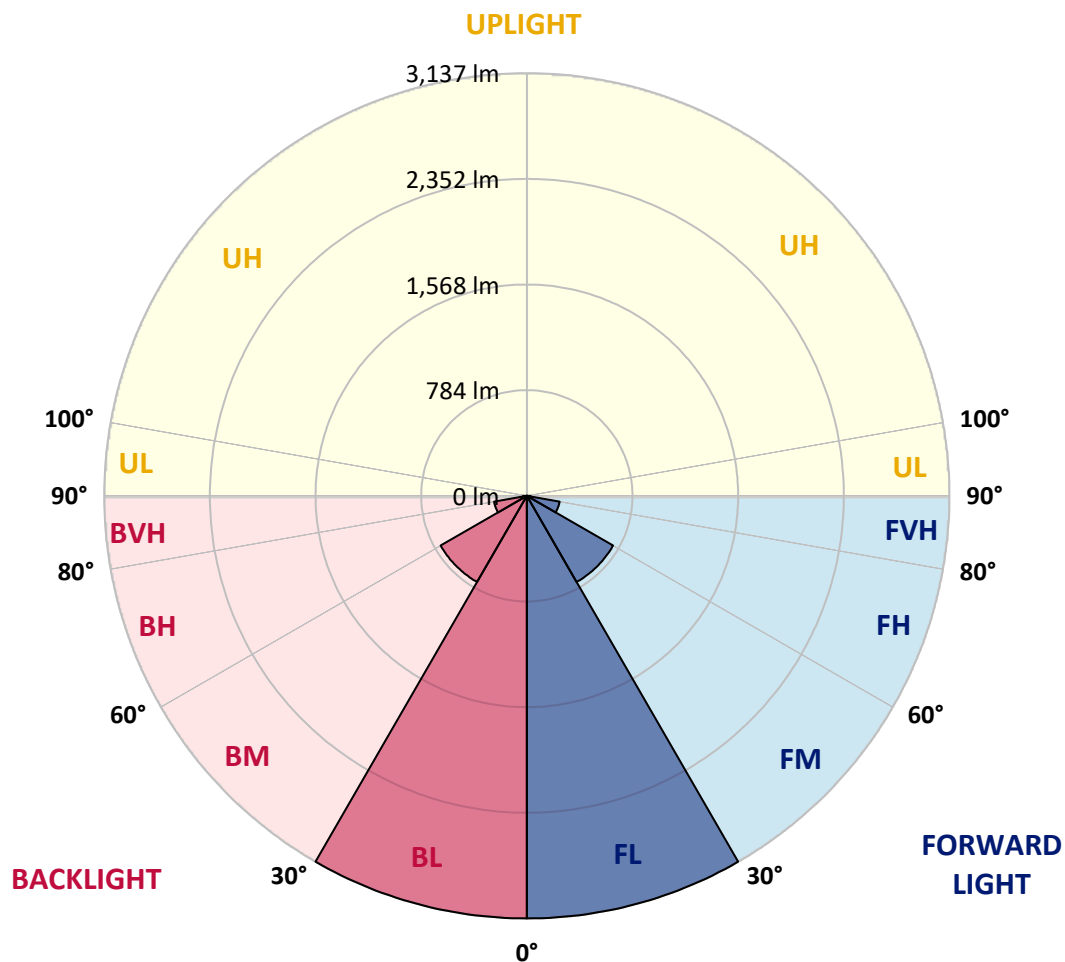
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3136.6	37.8			
FM	(30°-60°)	738.8	8.9			
FH	(60°-80°)	246.9	3.0			G0/660
FVH	(80°-90°)	27.0	0.3			G1/100
BL	(0°-30°)	3136.6	37.8	B4/5000		
BM	(30°-60°)	738.8	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°	194920.2	194920.2	194920.2	194920.2	194920.2	194920.2	194920.2	194920.2	194920.2	194920.2
1°	188386.8	186453.2	187447.7	188398.3	189731.3	190318.5	190917.2	191364.7	191357.0	192095.3
2°	170395.0	167279.4	168723.4	170494.5	173919.9	174903.0	176545.9	178579.0	178703.3	180543.2
3°	143622.5	139248.4	141375.2	144529.1	150207.6	151676.4	154310.1	156169.1	155339.1	157492.6
4°	110211.4	104504.2	107753.7	112422.3	117949.7	123557.5	123668.4	125001.5	122264.6	122132.6
5°	74356.0	69323.9	73493.4	79332.5	84108.3	88027.2	90440.9	90607.3	87648.5	87378.8
6°	45349.5	42019.7	45647.9	51827.5	58443.2	60072.7	60441.8	59604.1	55723.5	53575.6
7°	25064.6	23706.6	27252.6	30940.1	36098.3	38483.3	36832.8	34155.1	32967.4	30410.3
8°	13822.3	13152.9	14164.7	17351.1	21354.1	22920.5	21327.3	18546.4	16543.9	15836.3
9°	8333.2	7962.1	8375.3	9587.8	11316.8	12403.2	11490.9	10121.5	9276.1	9040.8
10°	5535.1	5389.7	5565.7	5974.9	6596.5	6914.0	6686.4	6143.3	5887.0	5871.7
12.5°	2905.2	2878.5	2922.4	2968.3	3075.5	3092.7	3052.5	3014.2	2955.0	2977.9
15°	1870.5	1845.7	1891.6	1950.8	1977.6	1994.8	1996.7	1975.7	1935.5	1916.4
17.5°	1363.7	1369.4	1373.2	1407.7	1459.3	1499.5	1482.3	1459.3	1413.4	1390.5
20°	1122.7	1124.6	1132.3	1151.4	1168.6	1224.1	1206.8	1172.4	1128.4	1111.2
22.5°	960.1	963.9	967.8	979.2	983.1	998.4	1000.3	969.7	944.8	935.3
25°	845.4	845.4	851.1	860.7	864.5	853.0	854.9	841.5	818.6	807.1
27.5°	717.2	721.0	726.8	730.6	723.0	709.6	692.4	703.8	692.4	665.6
30°	638.8	642.6	659.8	648.4	631.2	613.9	604.4	619.7	621.6	598.6
32.5°	633.1	635.0	640.7	635.0	613.9	592.9	579.5	596.7	600.6	591.0
35°	661.8	656.0	663.7	667.5	646.5	623.5	606.3	621.6	633.1	636.9
37.5°	801.4	768.9	744.0	736.3	723.0	707.7	684.7	688.5	709.6	728.7
40°	763.1	755.5	745.9	721.0	696.2	715.3	688.5	680.9	728.7	732.5
42.5°	757.4	763.1	755.5	724.9	700.0	719.1	713.4	690.4	738.3	732.5
45°	761.2	767.0	784.2	732.5	711.5	721.0	732.5	707.7	755.5	736.3
47.5°	730.6	738.3	757.4	728.7	715.3	713.4	730.6	707.7	732.5	730.6
50°	690.4	698.1	703.8	679.0	703.8	690.4	692.4	682.8	682.8	686.6
52.5°	638.8	646.5	652.2	623.5	638.8	644.5	621.6	619.7	602.5	608.2
55°	575.7	587.2	592.9	581.4	573.8	585.3	552.7	548.9	514.5	516.4
57.5°	503.0	514.5	520.2	533.6	527.9	504.9	485.8	470.5	432.2	416.9
60°	518.3	529.8	518.3	480.1	480.1	428.4	411.2	378.7	340.4	321.3
62.5°	501.1	516.4	514.5	474.3	426.5	361.5	330.9	296.5	258.2	233.3
65°	472.4	487.7	480.1	453.3	407.4	309.8	263.9	229.5	181.7	176.0
67.5°	424.6	447.5	432.2	415.0	378.7	281.2	210.4	172.1	132.0	132.0
70°	351.9	369.1	378.7	359.6	338.5	263.9	179.8	132.0	95.6	72.7
72.5°	283.1	298.4	313.7	304.1	285.0	239.1	160.7	105.2	68.9	42.1
75°	156.8	162.6	168.3	191.3	218.0	195.1	147.3	91.8	57.4	32.5
77.5°	120.5	126.2	139.6	128.1	118.6	151.1	160.7	107.1	49.7	23.0
80°	93.7	101.4	143.4	118.6	101.4	114.8	137.7	93.7	32.5	11.5
82.5°	70.8	76.5	101.4	112.8	107.1	86.1	74.6	63.1	28.7	7.7
85°	51.6	59.3	70.8	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°
194920.2
190611.1
178917.5
155189.9
121551.2
86286.7
53763.0
29209.2
15193.7
8721.4
5690.0
2891.8
1885.8
1365.6
1092.1
923.8
797.6
667.5
591.0
585.3
636.9
745.9
738.3
728.7
730.6
726.8
673.2
598.6
503.0
407.4
306.0
229.5
176.0
116.7
65.0
40.2
28.7
11.5
7.7
5.7
3.8
3.8
0.0

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