

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: P635845

Luminaire Tested: **IFLD-S-SA3C-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635845
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-927-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9847.5 lumens
Efficiency: N/A
Efficacy: 61.2 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): 160.8
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

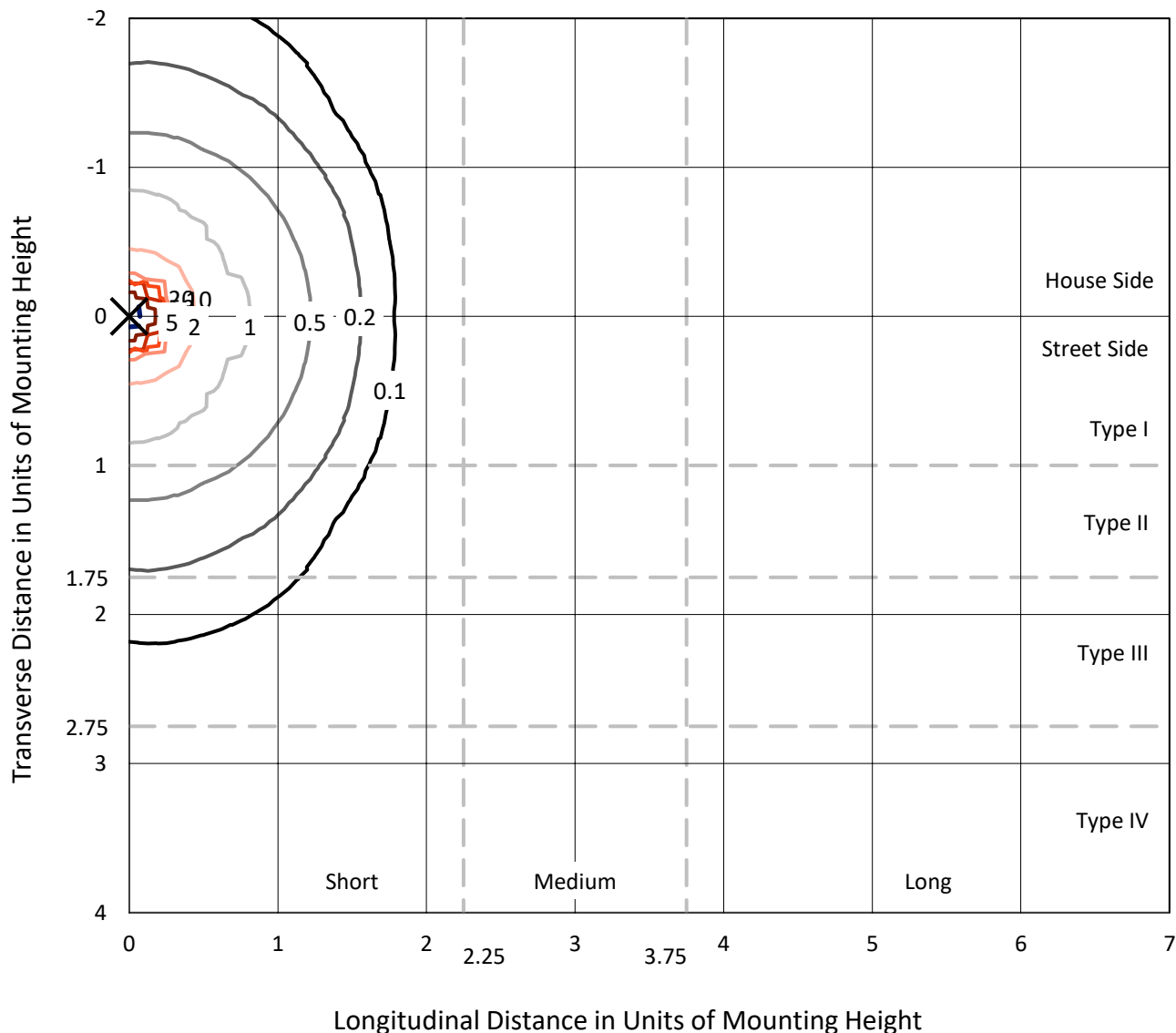


REPORT NUMBER: P635845
 CATALOG NUMBER: IFLD-S-SA3C-927-U-11-VI

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

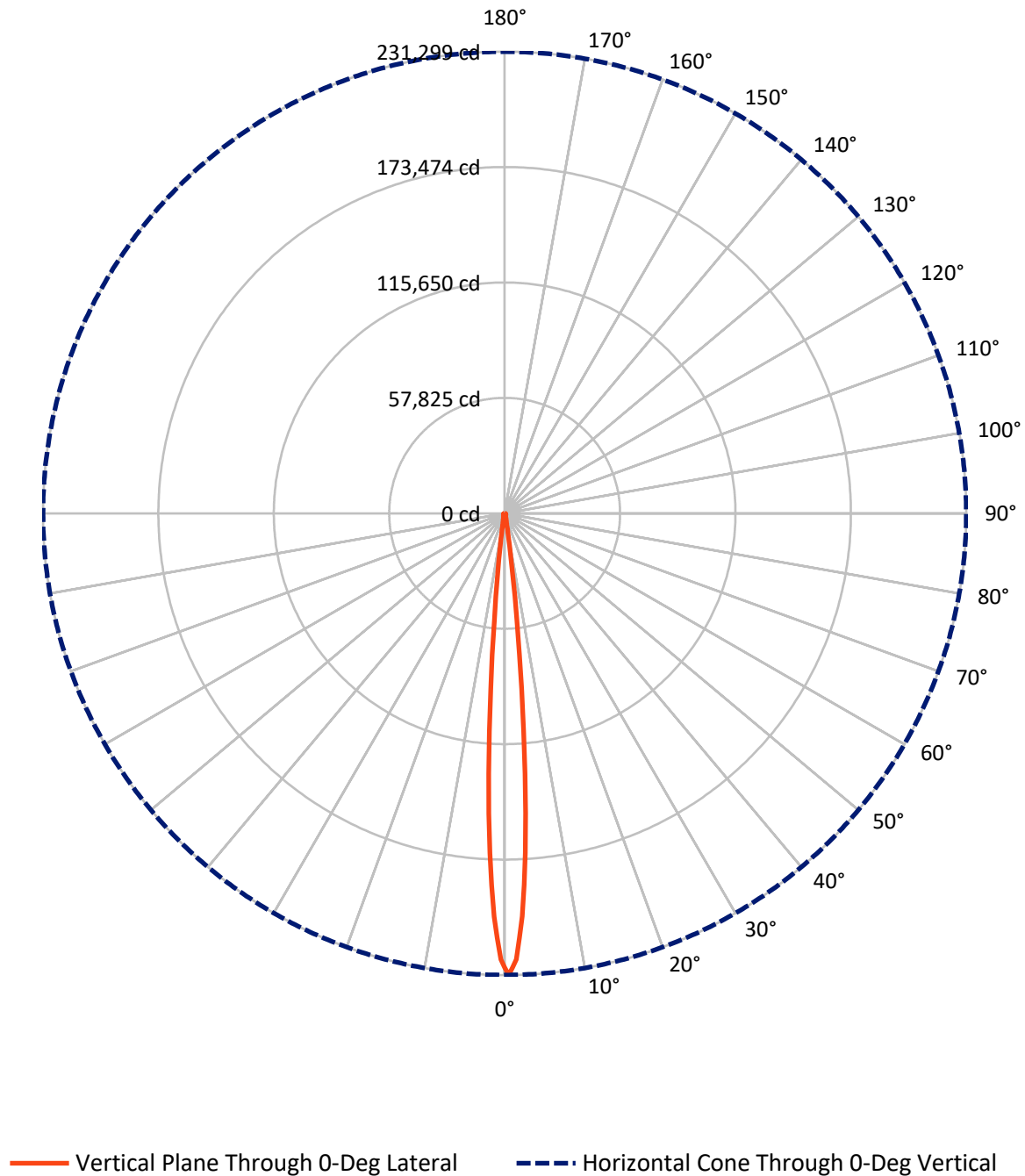
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 578.2 fc
 Type V - Short - N/A

REPORT NUMBER: P635845
CATALOG NUMBER: IFLD-S-SA3C-927-U-11-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P635845

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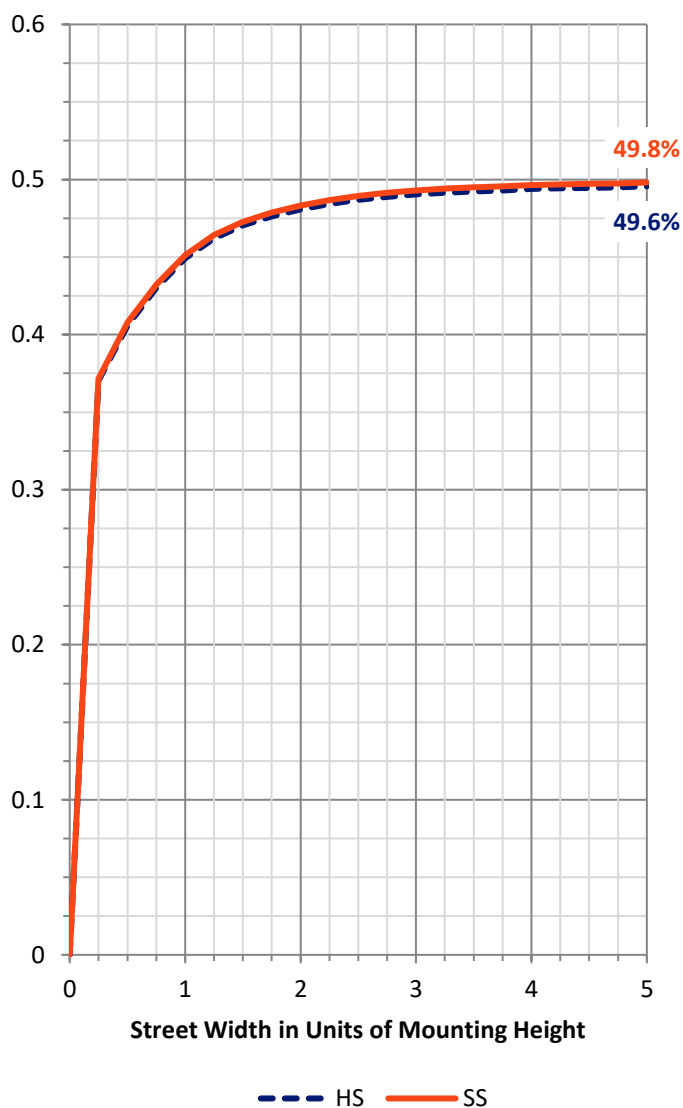
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4923.7	0.0	4923.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4923.7	0.0	4923.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	9847.5	0.0	9847.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6215.5	63.1
10°-20°	768.2	7.8
20°-30°	460.2	4.7
30°-40°	494.9	5.0
40°-50°	665.4	6.8
50°-60°	593.2	6.0
60°-70°	391.8	4.0
70°-80°	194.3	2.0
80°-90°	64.1	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°	9847.5	100.0
0°-180°	9847.5	100.0

Coefficient of Utilization



REPORT NUMBER: P635845

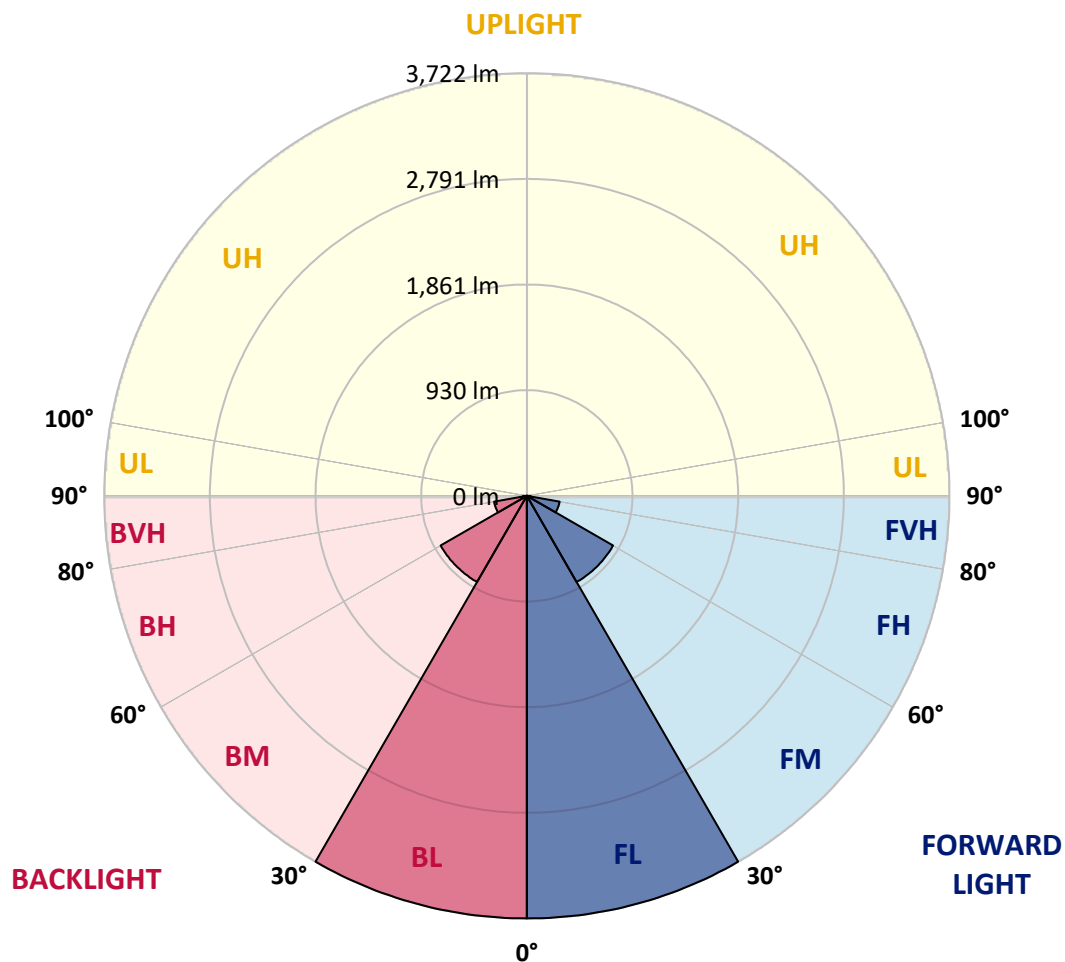
CATALOG NUMBER: IFLD-S-SA3C-927-U-11-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3721.9	37.8			
FM	(30°-60°)	876.7	8.9			
FH	(60°-80°)	293.0	3.0			G0/660
FVH	(80°-90°)	32.1	0.3			G1/100
BL	(0°-30°)	3721.9	37.8	B4/5000		
BM	(30°-60°)	876.7	8.9	B1/1000		
BH	(60°-80°)	293.0	3.0	B1/500		G0/660
BVH	(80°-90°)	32.1	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°	231299.3	231299.3	231299.3	231299.3	231299.3	231299.3	231299.3	231299.3	231299.3	231299.3
1°	223546.5	221251.9	222432.1	223560.1	225142.0	225838.7	226549.1	227080.2	227071.1	227947.1
2°	202196.8	198499.7	200213.2	202314.8	206379.6	207546.1	209495.7	211908.2	212055.7	214239.0
3°	170427.6	165237.1	167760.8	171503.3	178241.6	179984.7	183109.8	185315.8	184330.9	186886.4
4°	130780.7	124008.4	127864.4	133404.3	139963.4	146617.7	146749.3	148331.2	145083.5	144926.9
5°	88233.4	82262.2	87209.9	94138.8	99805.9	104456.2	107320.4	107517.8	104006.8	103686.8
6°	53813.4	49862.1	54167.4	61500.4	69350.7	71284.4	71722.4	70728.4	66123.4	63574.7
7°	29742.5	28131.1	32338.9	36714.6	42835.5	45665.7	43707.1	40529.7	39120.3	36085.9
8°	16402.1	15607.7	16808.3	20589.4	25339.6	27198.3	25307.8	22007.9	19631.6	18791.9
9°	9888.4	9448.2	9938.4	11377.3	13428.9	14718.1	13635.5	12010.5	11007.3	10728.2
10°	6568.1	6395.6	6604.4	7090.1	7827.7	8204.4	7934.4	7289.8	6985.7	6967.5
12.5°	3447.5	3415.7	3467.9	3522.3	3649.4	3669.9	3622.2	3576.8	3506.5	3533.7
15°	2219.6	2190.1	2244.6	2314.9	2346.7	2367.1	2369.4	2344.4	2296.8	2274.1
17.5°	1618.2	1625.0	1629.5	1670.4	1731.7	1779.3	1758.9	1731.7	1677.2	1650.0
20°	1332.2	1334.5	1343.6	1366.3	1386.7	1452.5	1432.1	1391.2	1339.0	1318.6
22.5°	1139.3	1143.9	1148.4	1162.0	1166.6	1184.7	1187.0	1150.7	1121.2	1109.8
25°	1003.1	1003.1	1010.0	1021.3	1025.8	1012.2	1014.5	998.6	971.4	957.8
27.5°	851.1	855.6	862.4	867.0	857.9	842.0	821.6	835.2	821.6	789.8
30°	758.0	762.6	783.0	769.4	749.0	728.5	717.2	735.3	737.6	710.4
32.5°	751.2	753.5	760.3	753.5	728.5	703.6	687.7	708.1	712.6	701.3
35°	785.3	778.5	787.5	792.1	767.1	739.9	719.4	737.6	751.2	755.8
37.5°	950.9	912.4	882.9	873.8	857.9	839.7	812.5	817.0	842.0	864.7
40°	905.6	896.5	885.1	855.6	826.1	848.8	817.0	808.0	864.7	869.2
42.5°	898.7	905.6	896.5	860.2	830.7	853.4	846.5	819.3	876.0	869.2
45°	903.3	910.1	930.5	869.2	844.3	855.6	869.2	839.7	896.5	873.8
47.5°	867.0	876.0	898.7	864.7	848.8	846.5	867.0	839.7	869.2	867.0
50°	819.3	828.4	835.2	805.7	835.2	819.3	821.6	810.2	810.2	814.8
52.5°	758.0	767.1	773.9	739.9	758.0	764.8	737.6	735.3	714.9	721.7
55°	683.1	696.8	703.6	689.9	680.9	694.5	655.9	651.4	610.5	612.8
57.5°	596.9	610.5	617.3	633.2	626.4	599.2	576.5	558.3	512.9	494.8
60°	615.0	628.7	615.0	569.7	569.7	508.4	488.0	449.4	404.0	381.3
62.5°	594.6	612.8	610.5	562.8	506.1	428.9	392.6	351.8	306.4	276.9
65°	560.6	578.7	569.7	537.9	483.4	367.7	313.2	272.3	215.6	208.8
67.5°	503.8	531.1	512.9	492.5	449.4	333.6	249.7	204.3	156.6	156.6
70°	417.6	438.0	449.4	426.7	401.7	313.2	213.3	156.6	113.5	86.2
72.5°	335.9	354.1	372.2	360.9	338.2	283.7	190.6	124.8	81.7	49.9
75°	186.1	192.9	199.7	227.0	258.7	231.5	174.8	108.9	68.1	38.6
77.5°	143.0	149.8	165.7	152.1	140.7	179.3	190.6	127.1	59.0	27.2
80°	111.2	120.3	170.2	140.7	120.3	136.2	163.4	111.2	38.6	13.6
82.5°	84.0	90.8	120.3	133.9	127.1	102.1	88.5	74.9	34.0	9.1
85°	61.3	70.4	84.0	74.9	72.6	72.6	97.6	65.8	25.0	6.8
87.5°	36.3	36.3	38.6	36.3	34.0	34.0	38.6	31.8	15.9	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
231299.3
226186.0
212309.9
184153.8
144236.9
102390.9
63797.1
34660.6
18029.3
10349.2
6751.9
3431.6
2237.8
1620.5
1295.9
1096.2
946.4
792.1
701.3
694.5
755.8
885.1
876.0
864.7
867.0
862.4
798.9
710.4
596.9
483.4
363.1
272.3
208.8
138.4
77.2
47.7
34.0
13.6
9.1
6.8
4.5
4.5
0.0

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