

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: P635840

Luminaire Tested: **IFLD-S-SA2C-927-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635840
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-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: 6607.8 lumens
Efficiency: N/A
Efficacy: 61.1 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): 108.2
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

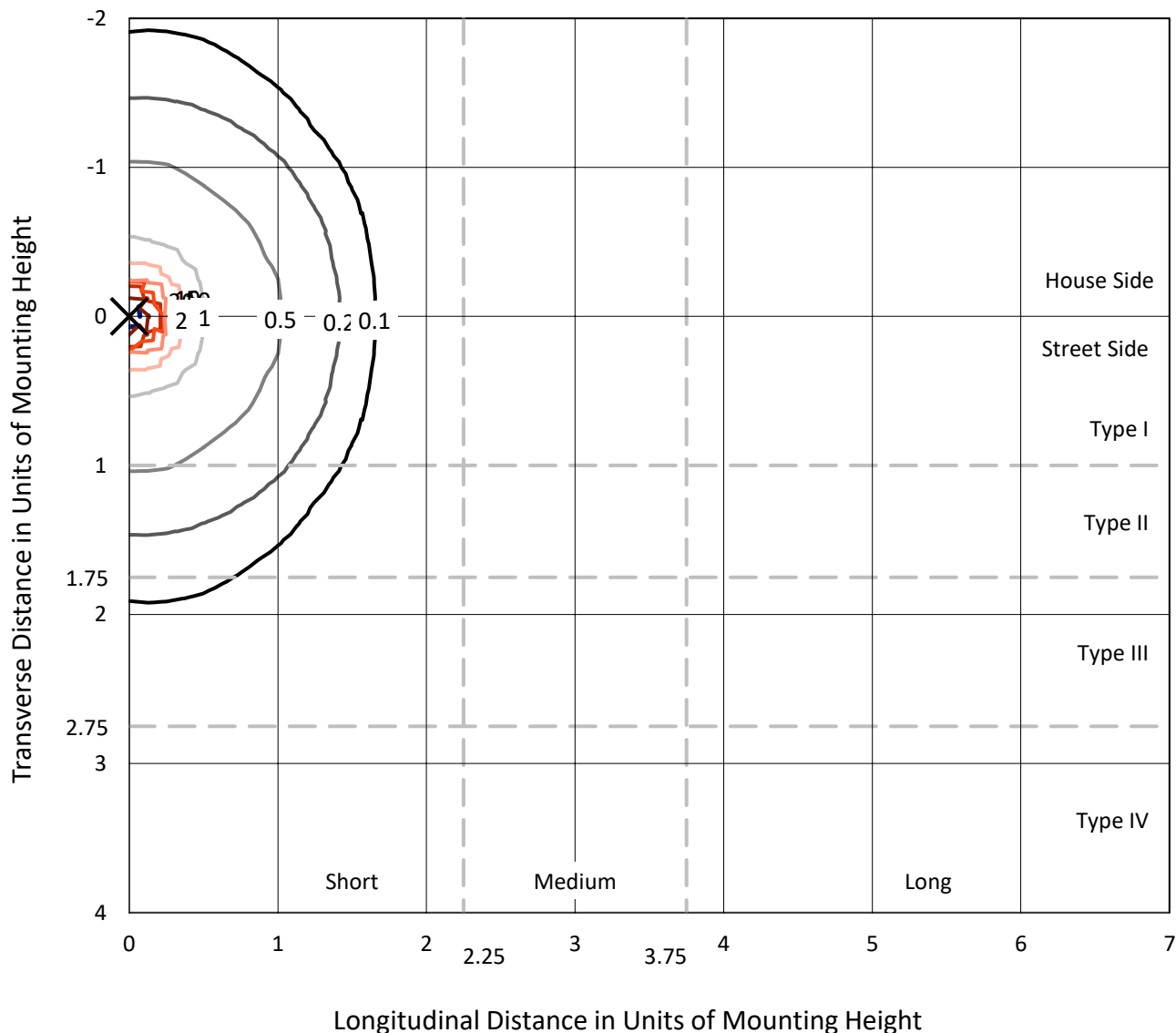


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

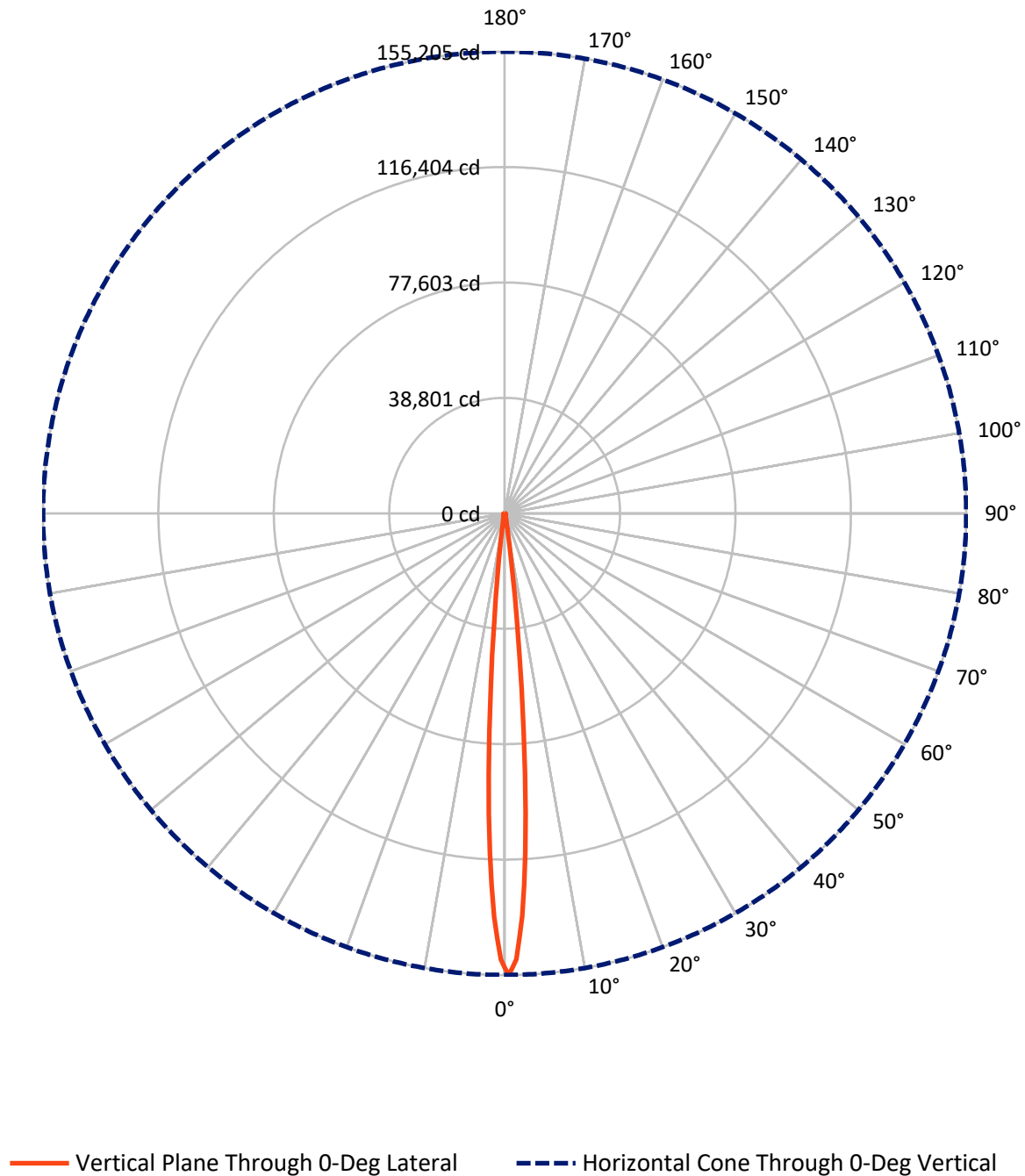
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 388 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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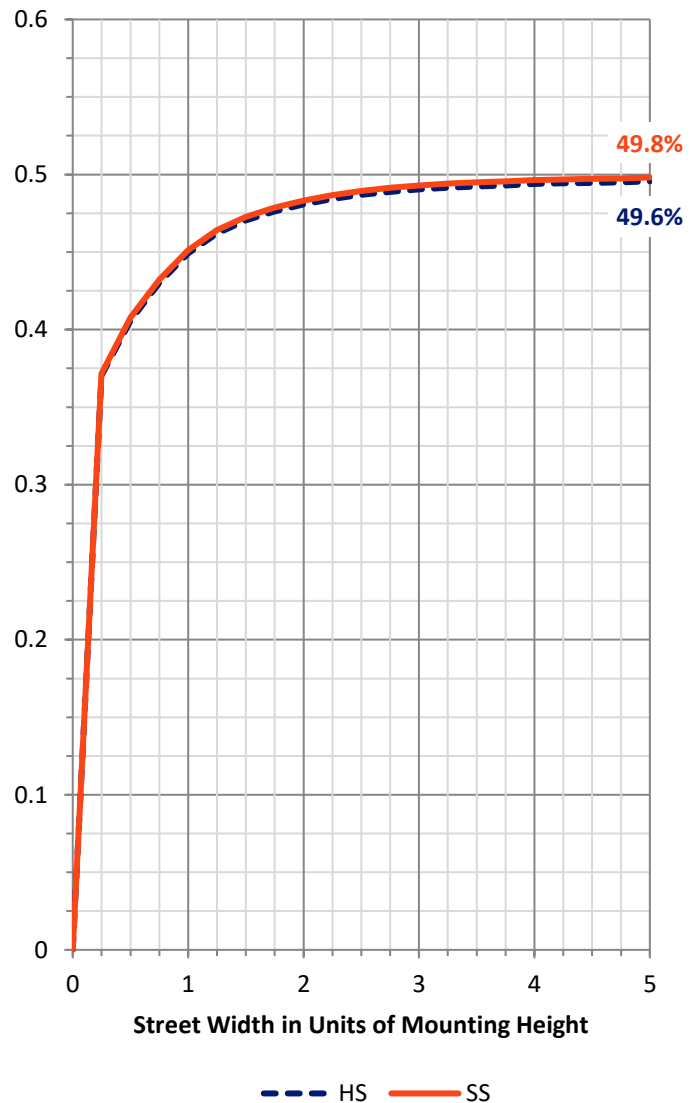
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3303.9	0.0	3303.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3303.9	0.0	3303.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	6607.8	0.0	6607.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4170.7	63.1
10°-20°	515.4	7.8
20°-30°	308.8	4.7
30°-40°	332.1	5.0
40°-50°	446.5	6.8
50°-60°	398.0	6.0
60°-70°	262.9	4.0
70°-80°	130.3	2.0
80°-90°	43.0	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°	6607.8	100.0
0°-180°	6607.8	100.0



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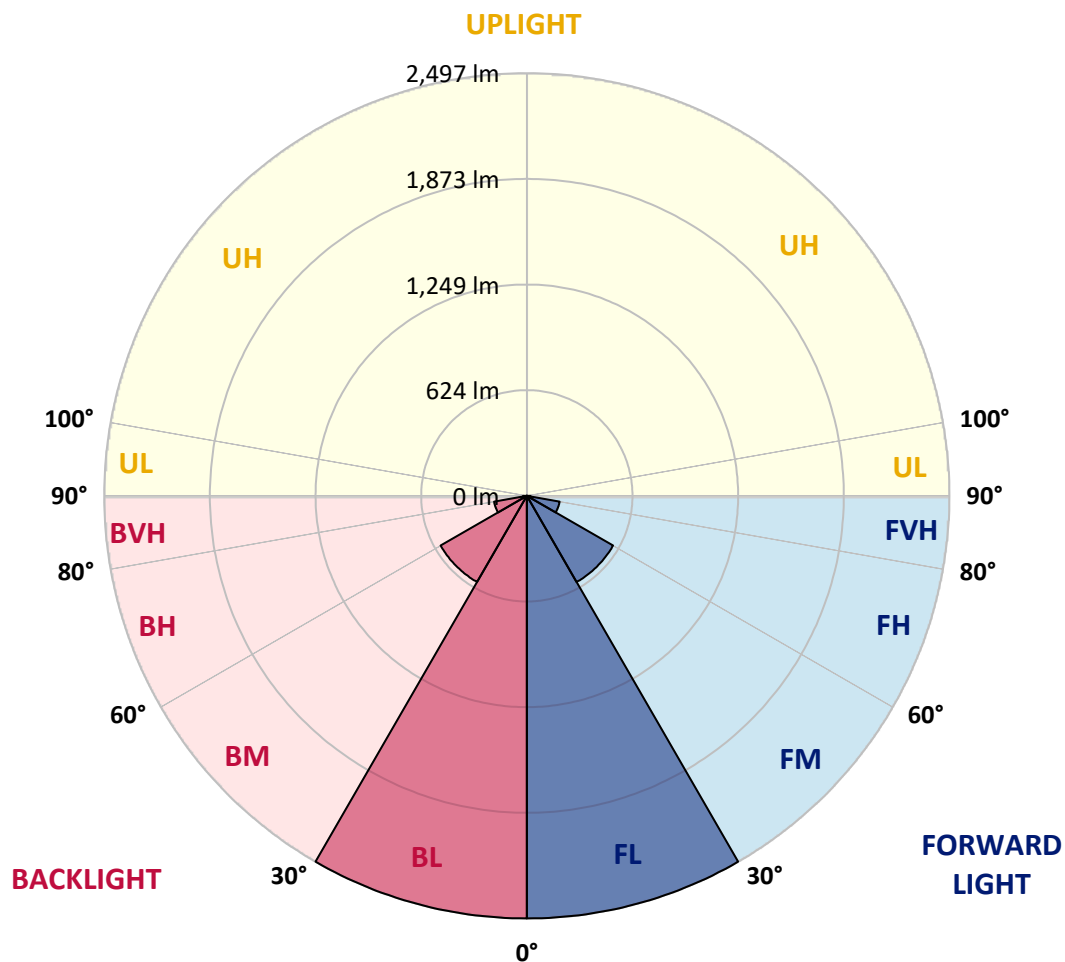
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2497.5	37.8			
FM	(30°-60°)	588.3	8.9			
FH	(60°-80°)	196.6	3.0			G0/660
FVH	(80°-90°)	21.5	0.3			G1/100
BL	(0°-30°)	2497.5	37.8	B3/2500		
BM	(30°-60°)	588.3	8.9	B1/1000		
BH	(60°-80°)	196.6	3.0	B1/500		G0/660
BVH	(80°-90°)	21.5	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°	155205.0	155205.0	155205.0	155205.0	155205.0	155205.0	155205.0	155205.0	155205.0	155205.0
1°	150002.8	148463.1	149255.0	150011.9	151073.4	151540.9	152017.6	152373.9	152367.8	152955.7
2°	135676.8	133196.0	134345.8	135756.0	138483.5	139266.3	140574.5	142193.3	142292.3	143757.3
3°	114359.3	110876.4	112569.8	115081.1	119602.6	120772.2	122869.2	124349.5	123688.6	125403.3
4°	87755.7	83211.3	85798.8	89516.2	93917.3	98382.5	98470.8	99532.3	97353.0	97247.9
5°	59205.8	55199.1	58519.0	63168.4	66971.1	70091.5	72013.5	72145.9	69790.0	69575.3
6°	36109.5	33458.1	36347.1	41267.6	46535.3	47832.8	48126.7	47459.7	44369.7	42659.5
7°	19957.6	18876.4	21699.8	24636.0	28743.2	30642.3	29328.0	27196.0	26250.3	24214.1
8°	11006.0	10473.0	11278.6	13815.8	17003.2	18250.5	16981.9	14767.6	13173.1	12609.6
9°	6635.3	6339.8	6668.8	7634.3	9011.0	9876.0	9149.6	8059.2	7386.1	7198.8
10°	4407.3	4291.5	4431.6	4757.5	5252.5	5505.3	5324.1	4891.6	4687.5	4675.3
12.5°	2313.3	2292.0	2327.0	2363.5	2448.8	2462.5	2430.6	2400.1	2352.9	2371.2
15°	1489.4	1469.6	1506.1	1553.4	1574.7	1588.4	1589.9	1573.2	1541.2	1525.9
17.5°	1085.8	1090.4	1093.4	1120.9	1162.0	1194.0	1180.2	1162.0	1125.4	1107.1
20°	893.9	895.5	901.6	916.8	930.5	974.7	961.0	933.5	898.5	884.8
22.5°	764.5	767.5	770.6	779.7	782.8	795.0	796.5	772.1	752.3	744.7
25°	673.1	673.1	677.7	685.3	688.4	679.2	680.7	670.1	651.8	642.7
27.5°	571.1	574.1	578.7	581.7	575.7	565.0	551.3	560.4	551.3	530.0
30°	508.6	511.7	525.4	516.3	502.6	488.9	481.2	493.4	494.9	476.7
32.5°	504.1	505.6	510.2	505.6	488.9	472.1	461.4	475.1	478.2	470.6
35°	526.9	522.4	528.4	531.5	514.7	496.5	482.8	494.9	504.1	507.1
37.5°	638.1	612.2	592.4	586.3	575.7	563.5	545.2	548.2	565.0	580.2
40°	607.6	601.5	593.9	574.1	554.3	569.6	548.2	542.2	580.2	583.3
42.5°	603.1	607.6	601.5	577.2	557.4	572.6	568.0	549.8	587.8	583.3
45°	606.1	610.7	624.4	583.3	566.5	574.1	583.3	563.5	601.5	586.3
47.5°	581.7	587.8	603.1	580.2	569.6	568.0	581.7	563.5	583.3	581.7
50°	549.8	555.9	560.4	540.6	560.4	549.8	551.3	543.7	543.7	546.7
52.5°	508.6	514.7	519.3	496.5	508.6	513.2	494.9	493.4	479.7	484.3
55°	458.4	467.5	472.1	463.0	456.9	466.0	440.1	437.1	409.7	411.2
57.5°	400.5	409.7	414.2	424.9	420.3	402.0	386.8	374.6	344.2	332.0
60°	412.7	421.8	412.7	382.2	382.2	341.1	327.4	301.5	271.1	255.8
62.5°	399.0	411.2	409.7	377.7	339.6	287.8	263.5	236.0	205.6	185.8
65°	376.2	388.3	382.2	360.9	324.4	246.7	210.2	182.7	144.7	140.1
67.5°	338.1	356.4	344.2	330.5	301.5	223.9	167.5	137.1	105.1	105.1
70°	280.2	293.9	301.5	286.3	269.6	210.2	143.2	105.1	76.1	57.9
72.5°	225.4	237.6	249.8	242.1	226.9	190.4	127.9	83.8	54.8	33.5
75°	124.9	129.4	134.0	152.3	173.6	155.3	117.3	73.1	45.7	25.9
77.5°	95.9	100.5	111.2	102.0	94.4	120.3	127.9	85.3	39.6	18.3
80°	74.6	80.7	114.2	94.4	80.7	91.4	109.6	74.6	25.9	9.1
82.5°	56.3	60.9	80.7	89.9	85.3	68.5	59.4	50.3	22.8	6.1
85°	41.1	47.2	56.3	50.3	48.7	48.7	65.5	44.2	16.8	4.6
87.5°	24.4	24.4	25.9	24.4	22.8	22.8	25.9	21.3	10.7	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
155205.0
151773.9
142462.9
123569.8
96785.0
68705.7
42808.8
23257.8
12097.9
6944.4
4530.6
2302.6
1501.6
1087.4
869.6
735.6
635.0
531.5
470.6
466.0
507.1
593.9
587.8
580.2
581.7
578.7
536.1
476.7
400.5
324.4
243.7
182.7
140.1
92.9
51.8
32.0
22.8
9.1
6.1
4.6
3.0
3.0
0.0

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