

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: P635926

Luminaire Tested: **IFLD-S-SA2B-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635926
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-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: 6058.5 lumens
Efficiency: N/A
Efficacy: 73.5 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): 82.4
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



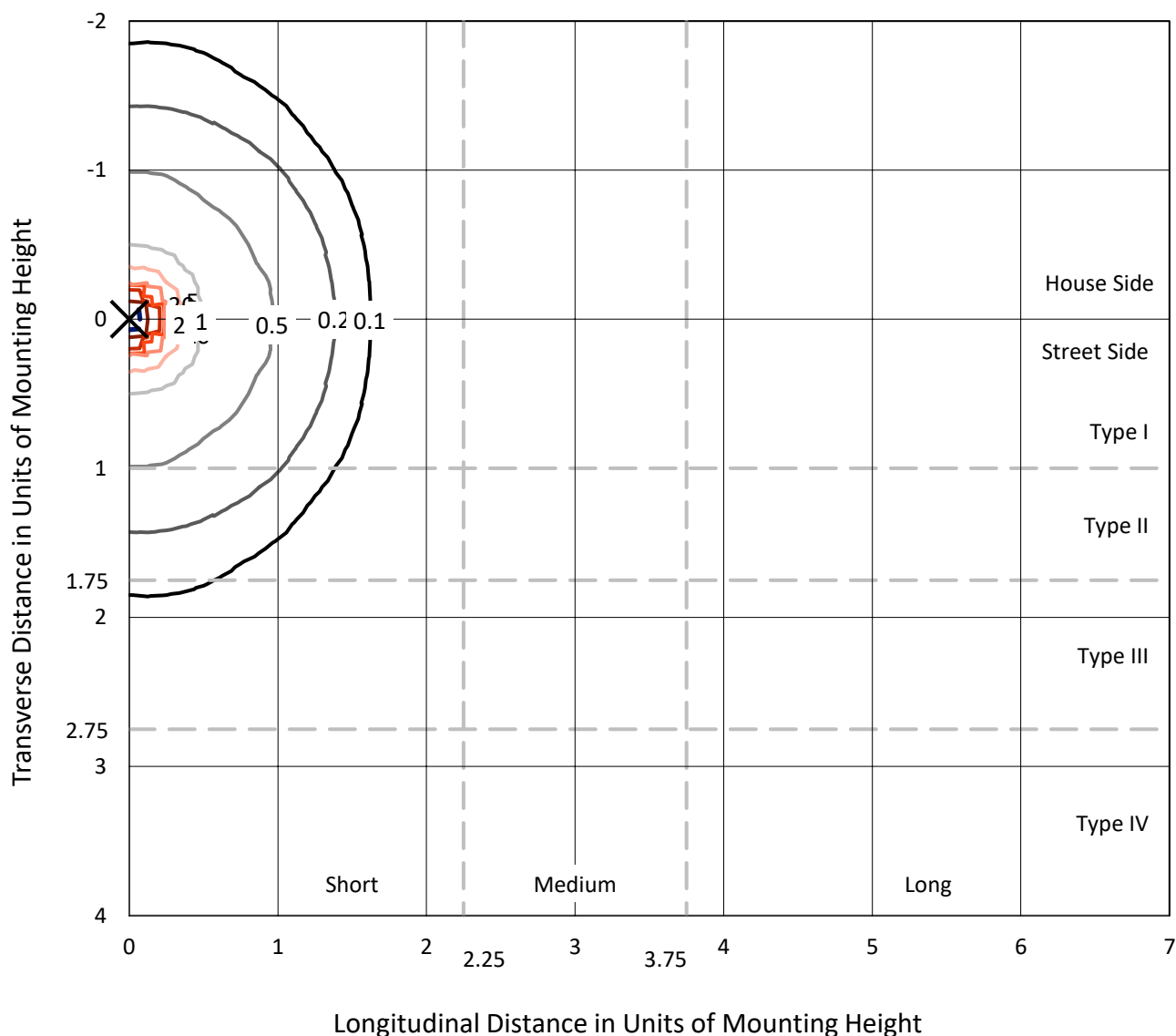
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

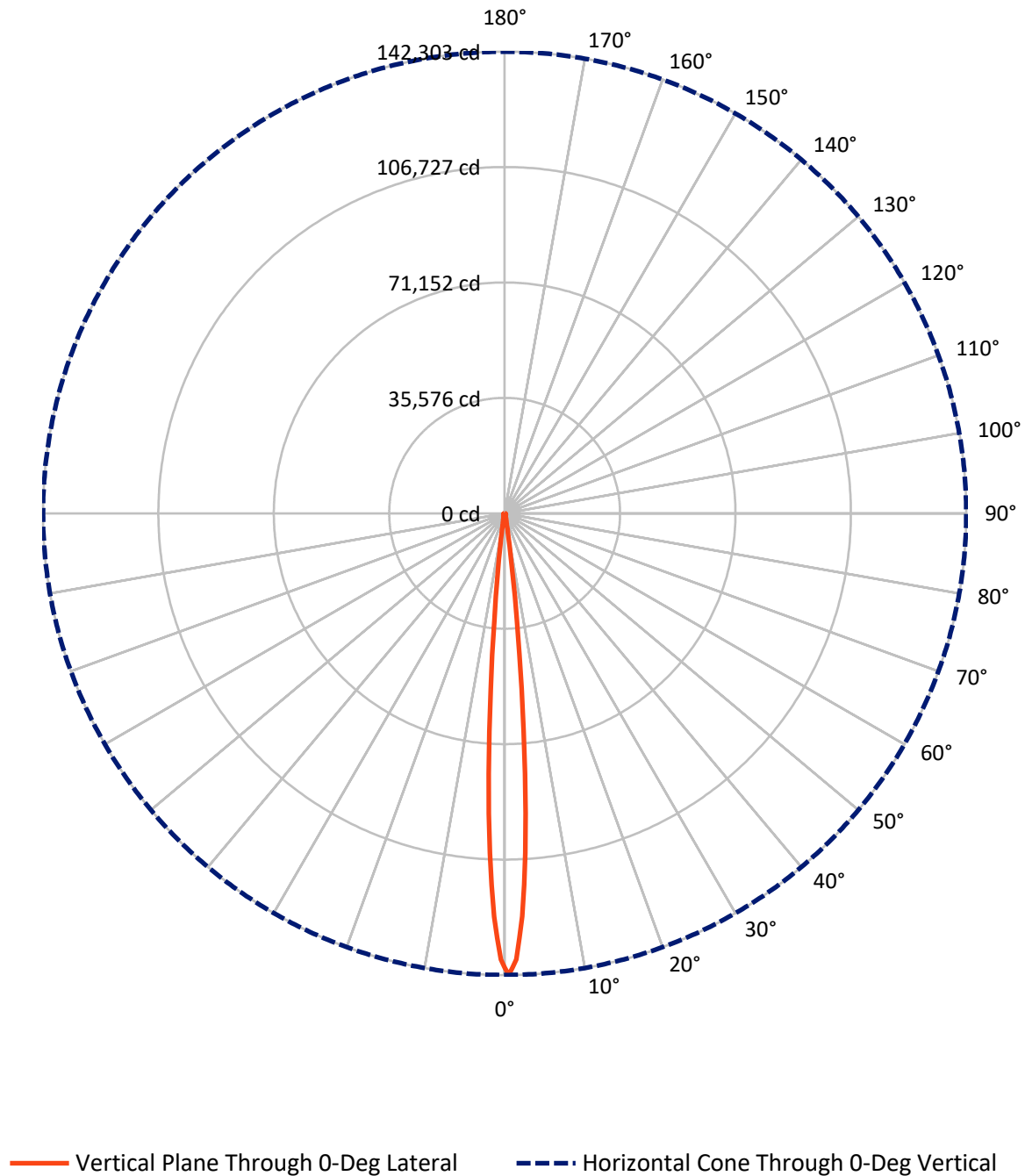


Based on 20 foot mounting height. Maximum calculated value = 355.8 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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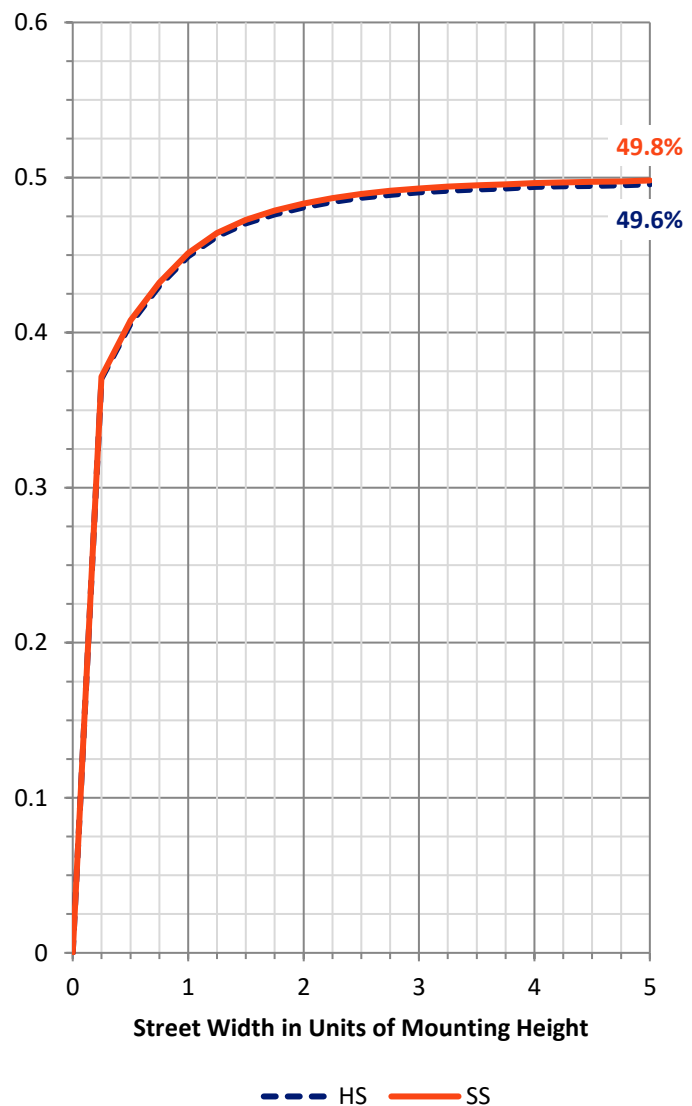
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3029.3	0.0	3029.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3029.3	0.0	3029.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6058.5	0.0	6058.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3824.0	63.1
10°-20°	472.6	7.8
20°-30°	283.2	4.7
30°-40°	304.5	5.0
40°-50°	409.4	6.8
50°-60°	364.9	6.0
60°-70°	241.0	4.0
70°-80°	119.5	2.0
80°-90°	39.5	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°	6058.5	100.0
0°-180°	6058.5	100.0

Coefficient of Utilization



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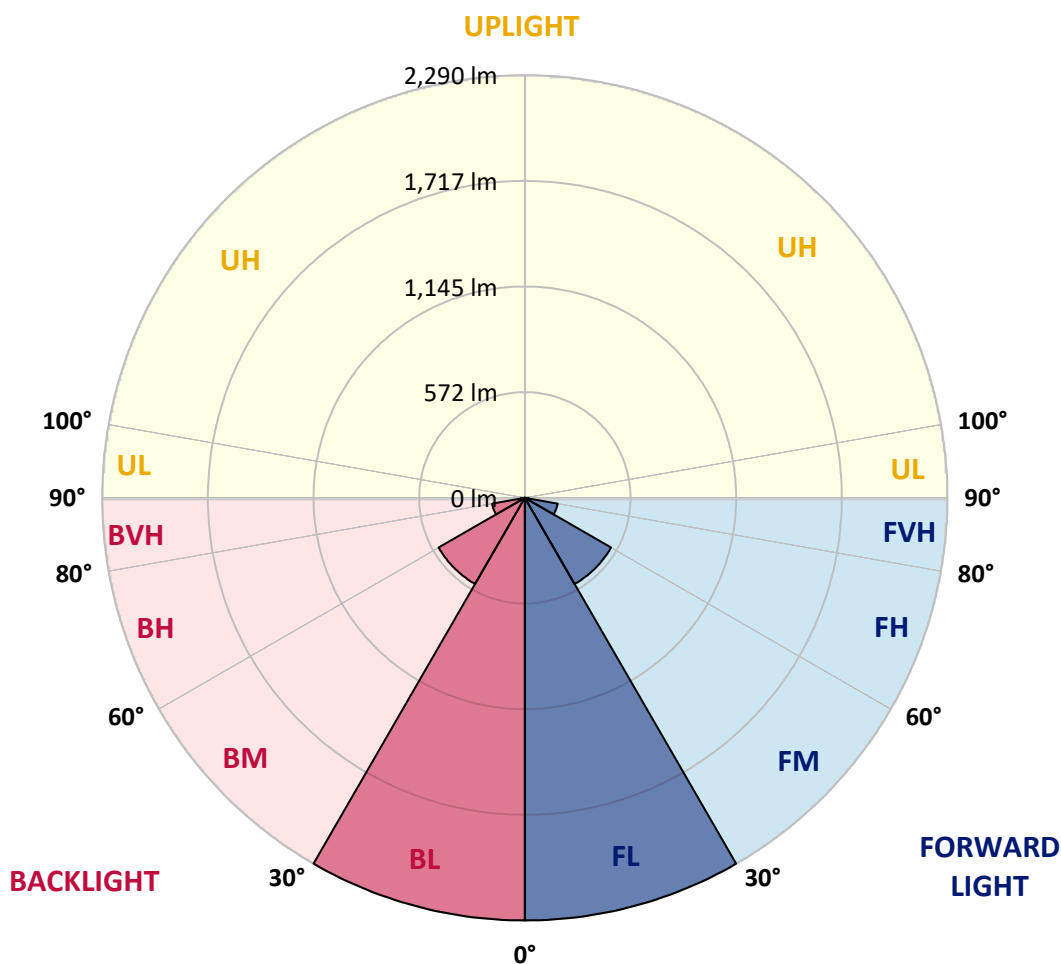
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2289.9	37.8			
FM	(30°-60°)	539.4	8.9			
FH	(60°-80°)	180.3	3.0			G0/660
FVH	(80°-90°)	19.7	0.3			G1/100
BL	(0°-30°)	2289.9	37.8	B3/2500		
BM	(30°-60°)	539.4	8.9	B1/1000		
BH	(60°-80°)	180.3	3.0	B1/500		G0/660
BVH	(80°-90°)	19.7	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	142303.2	142303.2	142303.2	142303.2	142303.2	142303.2	142303.2	142303.2	142303.2	142303.2
1°	137533.4	136121.7	136847.8	137541.8	138515.0	138943.7	139380.7	139707.5	139701.9	140240.8
2°	124398.4	122123.8	123178.0	124471.0	126971.7	127689.4	128888.9	130373.1	130463.9	131807.2
3°	104852.9	101659.5	103212.2	105514.7	109660.3	110732.7	112655.4	114012.6	113406.6	114978.9
4°	80460.8	76294.2	78666.5	82074.9	86110.2	90204.2	90285.2	91258.4	89260.3	89164.0
5°	54284.2	50610.5	53654.5	57917.4	61404.0	64265.0	66027.2	66148.6	63988.5	63791.7
6°	33107.8	30676.9	33325.6	37837.1	42666.9	43856.6	44126.1	43514.5	40681.4	39113.3
7°	18298.6	17307.2	19896.0	22588.1	26353.9	28095.1	26890.1	24935.2	24068.1	22201.3
8°	10091.1	9602.4	10341.0	12667.3	15589.8	16733.3	15570.2	13540.0	12078.1	11561.4
9°	6083.7	5812.8	6114.4	6999.7	8261.9	9055.0	8389.0	7389.3	6772.1	6600.3
10°	4040.9	3934.8	4063.3	4362.1	4815.9	5047.6	4881.5	4484.9	4297.8	4286.7
12.5°	2121.0	2101.4	2133.6	2167.1	2245.3	2257.8	2228.5	2200.6	2157.3	2174.0
15°	1365.6	1347.4	1380.9	1424.2	1443.8	1456.3	1457.7	1442.4	1413.1	1399.1
17.5°	995.6	999.8	1002.5	1027.7	1065.4	1094.7	1082.1	1065.4	1031.9	1015.1
20°	819.6	821.0	826.6	840.6	853.1	893.6	881.1	855.9	823.8	811.3
22.5°	700.9	703.7	706.5	714.9	717.7	728.9	730.3	707.9	689.8	682.8
25°	617.2	617.2	621.4	628.3	631.1	622.8	624.1	614.4	597.6	589.2
27.5°	523.6	526.4	530.6	533.4	527.8	518.0	505.5	513.8	505.5	485.9
30°	466.4	469.2	481.7	473.3	460.8	448.2	441.2	452.4	453.8	437.0
32.5°	462.2	463.6	467.8	463.6	448.2	432.9	423.1	435.6	438.4	431.5
35°	483.1	478.9	484.5	487.3	472.0	455.2	442.6	453.8	462.2	465.0
37.5°	585.1	561.3	543.2	537.6	527.8	516.6	499.9	502.7	518.0	532.0
40°	557.1	551.5	544.6	526.4	508.3	522.2	502.7	497.1	532.0	534.8
42.5°	552.9	557.1	551.5	529.2	511.0	525.0	520.8	504.1	539.0	534.8
45°	555.7	559.9	572.5	534.8	519.4	526.4	534.8	516.6	551.5	537.6
47.5°	533.4	539.0	552.9	532.0	522.2	520.8	533.4	516.6	534.8	533.4
50°	504.1	509.7	513.8	495.7	513.8	504.1	505.5	498.5	498.5	501.3
52.5°	466.4	472.0	476.1	455.2	466.4	470.6	453.8	452.4	439.8	444.0
55°	420.3	428.7	432.9	424.5	418.9	427.3	403.5	400.7	375.6	377.0
57.5°	367.2	375.6	379.8	389.6	385.4	368.6	354.7	343.5	315.6	304.4
60°	378.4	386.8	378.4	350.5	350.5	312.8	300.2	276.5	248.5	234.6
62.5°	365.8	377.0	375.6	346.3	311.4	263.9	241.6	216.4	188.5	170.3
65°	344.9	356.1	350.5	330.9	297.4	226.2	192.7	167.6	132.6	128.5
67.5°	310.0	326.7	315.6	303.0	276.5	205.3	153.6	125.7	96.3	96.3
70°	256.9	269.5	276.5	262.5	247.1	192.7	131.3	96.3	69.8	53.1
72.5°	206.7	217.8	229.0	222.0	208.0	174.5	117.3	76.8	50.3	30.7
75°	114.5	118.7	122.9	139.6	159.2	142.4	107.5	67.0	41.9	23.7
77.5°	88.0	92.2	101.9	93.6	86.6	110.3	117.3	78.2	36.3	16.8
80°	68.4	74.0	104.7	86.6	74.0	83.8	100.5	68.4	23.7	8.4
82.5°	51.7	55.9	74.0	82.4	78.2	62.8	54.5	46.1	20.9	5.6
85°	37.7	43.3	51.7	46.1	44.7	44.7	60.0	40.5	15.4	4.2
87.5°	22.3	22.3	23.7	22.3	20.9	20.9	23.7	19.5	9.8	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
142303.2
139157.3
130620.3
113297.7
88739.5
62994.4
39250.2
21324.4
11092.3
6367.2
4154.0
2111.2
1376.8
997.0
797.3
674.4
582.3
487.3
431.5
427.3
465.0
544.6
539.0
532.0
533.4
530.6
491.5
437.0
367.2
297.4
223.4
167.6
128.5
85.2
47.5
29.3
20.9
8.4
5.6
4.2
2.8
2.8
0.0

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