

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: P635901

Luminaire Tested: **IFLD-S-SA3A-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635901
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6708.5 lumens
Efficiency: N/A
Efficacy: 70.8 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): 94.8
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

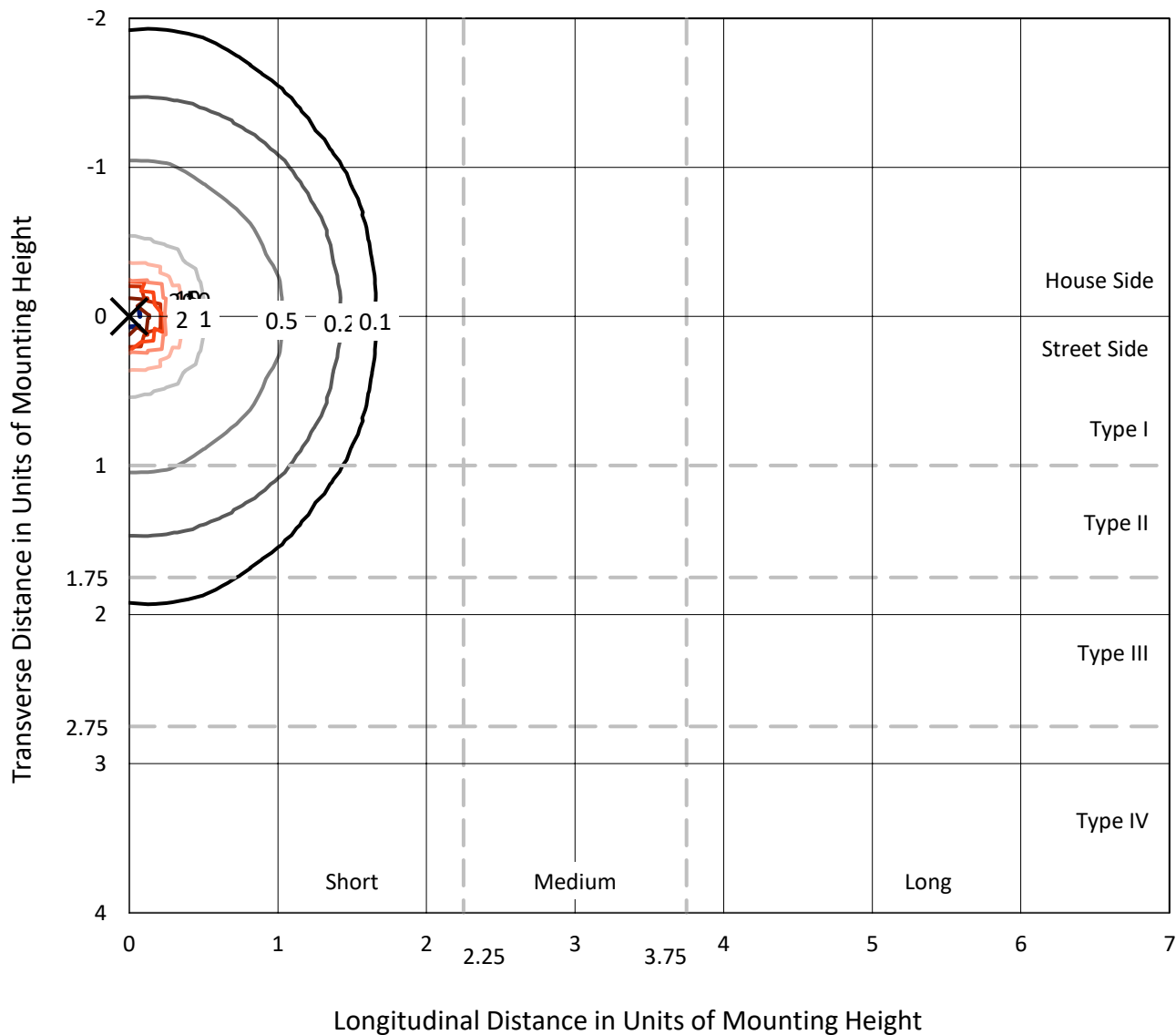


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

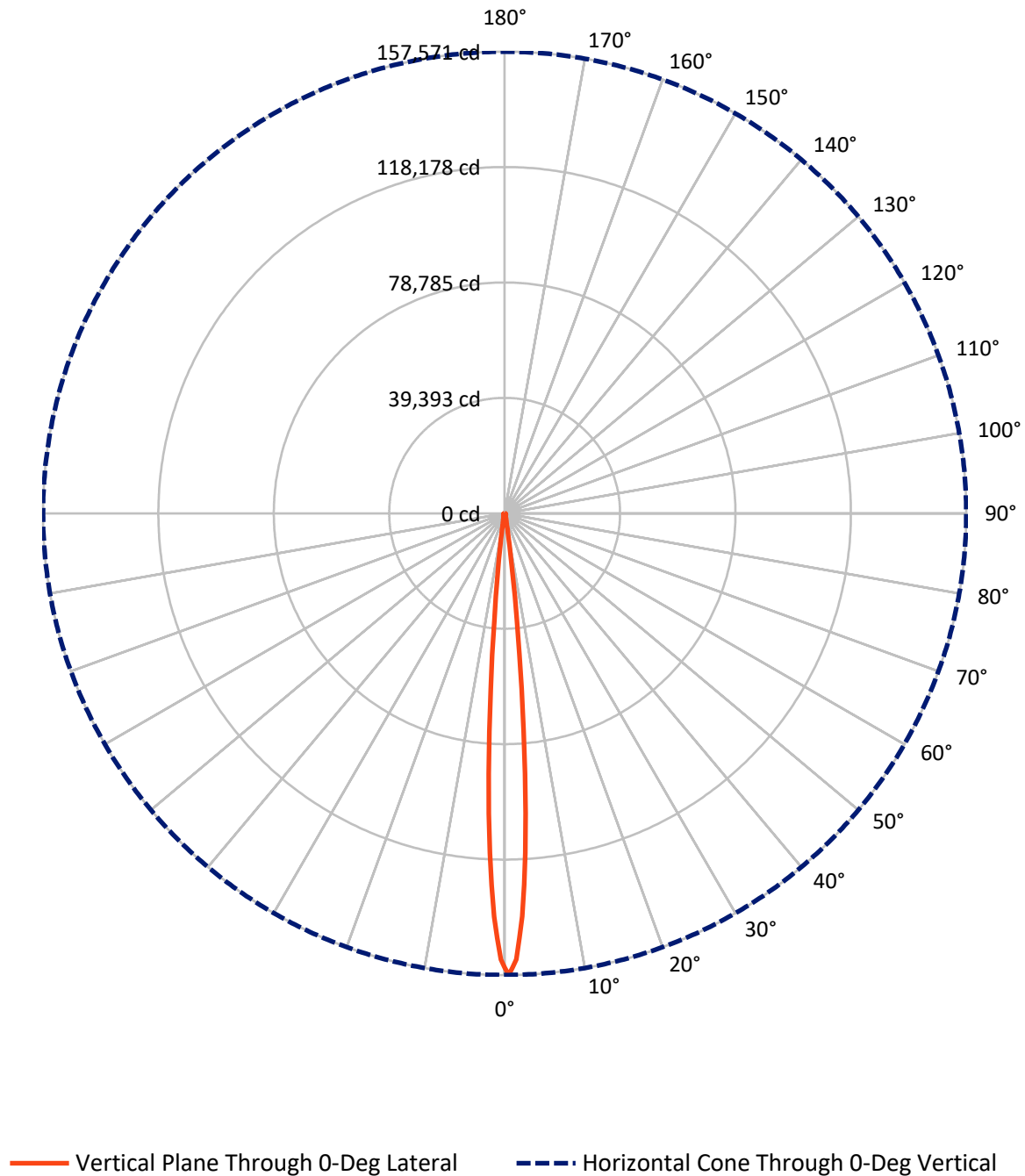
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 393.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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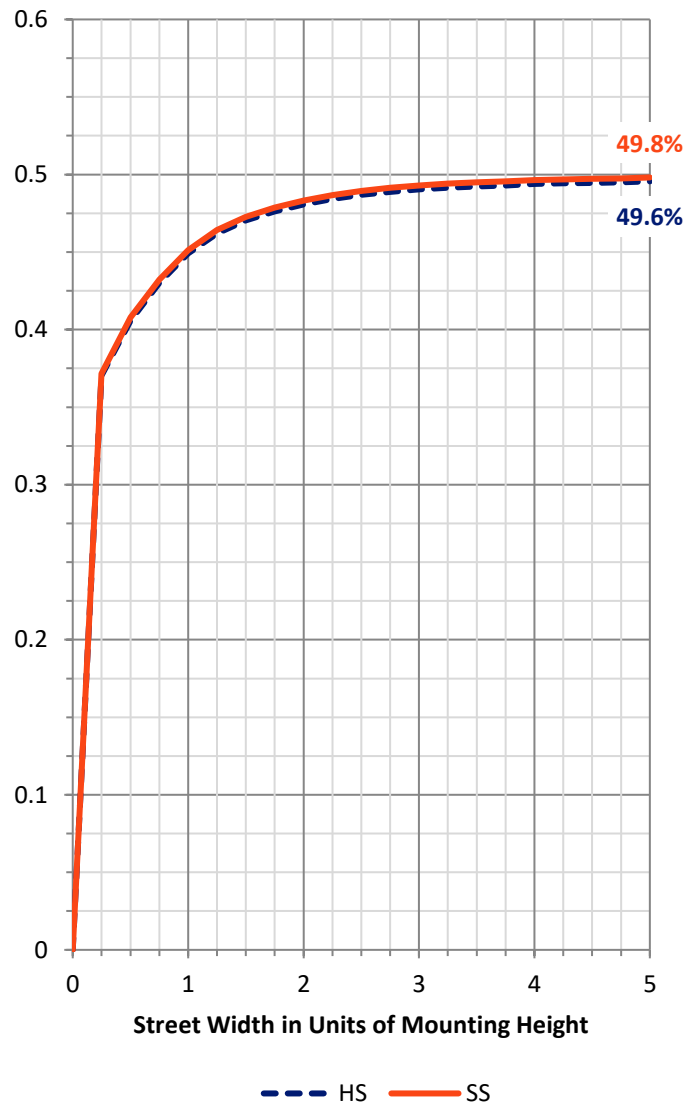
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3354.3	0.0	3354.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3354.3	0.0	3354.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6708.5	0.0	6708.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4234.3	63.1
10°-20°	523.3	7.8
20°-30°	313.5	4.7
30°-40°	337.1	5.0
40°-50°	453.3	6.8
50°-60°	404.1	6.0
60°-70°	266.9	4.0
70°-80°	132.3	2.0
80°-90°	43.7	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°	6708.5	100.0
0°-180°	6708.5	100.0



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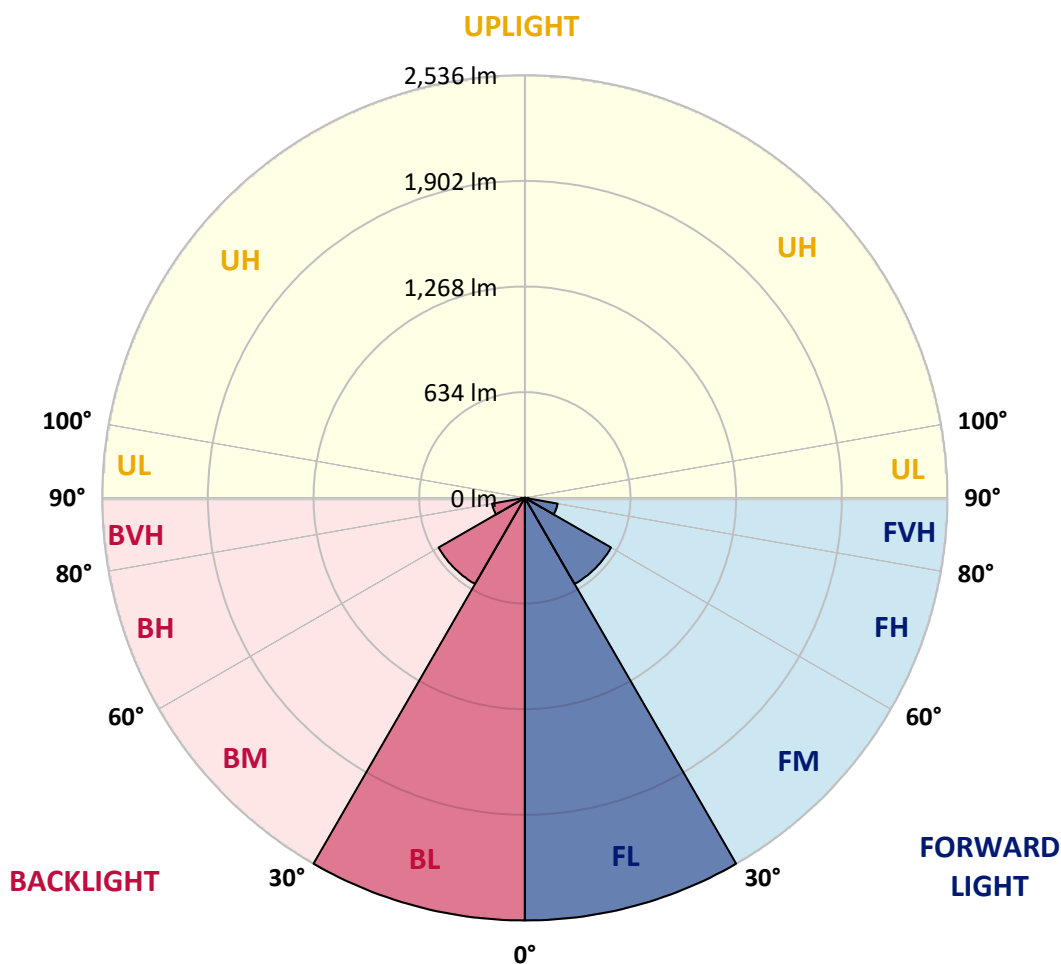
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2535.5	37.8			
FM	(30°-60°)	597.2	8.9			
FH	(60°-80°)	199.6	3.0			G0/660
FVH	(80°-90°)	21.8	0.3			G1/100
BL	(0°-30°)	2535.5	37.8	B4/5000		
BM	(30°-60°)	597.2	8.9	B1/1000		
BH	(60°-80°)	199.6	3.0	B1/500		G0/660
BVH	(80°-90°)	21.8	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°	157570.7	157570.7	157570.7	157570.7	157570.7	157570.7	157570.7	157570.7	157570.7	157570.7
1°	152289.1	150726.0	151530.0	152298.4	153376.1	153850.7	154334.6	154696.4	154690.2	155287.0
2°	137744.8	135226.2	136393.5	137825.2	140594.3	141389.0	142717.1	144360.7	144461.2	145948.5
3°	116102.3	112566.4	114285.7	116835.2	121425.6	122613.0	124742.0	126244.8	125573.8	127314.8
4°	89093.3	84479.7	87106.5	90880.6	95348.8	99882.1	99971.7	101049.4	98836.9	98730.2
5°	60108.3	56040.4	59411.0	64131.3	67991.9	71159.9	73111.1	73245.6	70853.8	70635.8
6°	36659.9	33968.1	36901.1	41896.6	47244.6	48561.9	48860.3	48183.1	45046.0	43309.7
7°	20261.8	19164.1	22030.6	25011.5	29181.4	31109.4	29775.1	27610.5	26650.4	24583.2
8°	11173.8	10632.6	11450.5	14026.3	17262.4	18528.6	17240.7	14992.7	13373.9	12801.8
9°	6736.4	6436.5	6770.4	7750.7	9148.4	10026.5	9289.1	8182.0	7498.7	7308.5
10°	4474.5	4356.9	4499.2	4830.1	5332.5	5589.2	5405.2	4966.1	4758.9	4746.6
12.5°	2348.5	2326.9	2362.5	2399.6	2486.2	2500.1	2467.6	2436.7	2388.7	2407.3
15°	1512.1	1492.0	1529.1	1577.0	1598.7	1612.6	1614.1	1597.1	1564.7	1549.2
17.5°	1102.4	1107.0	1110.1	1137.9	1179.7	1212.2	1198.2	1179.7	1142.6	1124.0
20°	907.6	909.1	915.3	930.8	944.7	989.5	975.6	947.8	912.2	898.3
22.5°	776.1	779.2	782.3	791.6	794.7	807.1	808.6	783.9	763.8	756.0
25°	683.4	683.4	688.0	695.8	698.8	689.6	691.1	680.3	661.7	652.5
27.5°	579.8	582.9	587.5	590.6	584.4	573.6	559.7	569.0	559.7	538.0
30°	516.4	519.5	533.4	524.1	510.2	496.3	488.6	500.9	502.5	483.9
32.5°	511.8	513.3	517.9	513.3	496.3	479.3	468.5	482.4	485.5	477.7
35°	535.0	530.3	536.5	539.6	522.6	504.0	490.1	502.5	511.8	514.9
37.5°	647.8	621.5	601.4	595.3	584.4	572.1	553.5	556.6	573.6	589.1
40°	616.9	610.7	603.0	582.9	562.8	578.2	556.6	550.4	589.1	592.2
42.5°	612.3	616.9	610.7	586.0	565.9	581.3	576.7	558.1	596.8	592.2
45°	615.4	620.0	633.9	592.2	575.2	582.9	592.2	572.1	610.7	595.3
47.5°	590.6	596.8	612.3	589.1	578.2	576.7	590.6	572.1	592.2	590.6
50°	558.1	564.3	569.0	548.9	569.0	558.1	559.7	552.0	552.0	555.1
52.5°	516.4	522.6	527.2	504.0	516.4	521.0	502.5	500.9	487.0	491.7
55°	465.4	474.7	479.3	470.0	463.8	473.1	446.8	443.7	415.9	417.5
57.5°	406.6	415.9	420.5	431.4	426.7	408.2	392.7	380.3	349.4	337.1
60°	419.0	428.3	419.0	388.1	388.1	346.3	332.4	306.1	275.2	259.7
62.5°	405.1	417.5	415.9	383.4	344.8	292.2	267.5	239.6	208.7	188.6
65°	381.9	394.3	388.1	366.4	329.3	250.5	213.4	185.5	146.9	142.2
67.5°	343.2	361.8	349.4	335.5	306.1	227.3	170.1	139.2	106.7	106.7
70°	284.5	298.4	306.1	290.7	273.7	213.4	145.3	106.7	77.3	58.8
72.5°	228.8	241.2	253.6	245.8	230.4	193.3	129.9	85.0	55.7	34.0
75°	126.8	131.4	136.1	154.6	176.3	157.7	119.1	74.2	46.4	26.3
77.5°	97.4	102.0	112.9	103.6	95.9	122.1	129.9	86.6	40.2	18.6
80°	75.8	81.9	116.0	95.9	81.9	92.8	111.3	75.8	26.3	9.3
82.5°	57.2	61.8	81.9	91.2	86.6	69.6	60.3	51.0	23.2	6.2
85°	41.7	47.9	57.2	51.0	49.5	49.5	66.5	44.8	17.0	4.6
87.5°	24.7	24.7	26.3	24.7	23.2	23.2	26.3	21.6	10.8	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
157570.7
154087.3
144634.3
125453.2
98260.2
69752.9
43461.3
23612.3
12282.3
7050.3
4599.7
2337.7
1524.5
1103.9
882.8
746.8
644.7
539.6
477.7
473.1
514.9
603.0
596.8
589.1
590.6
587.5
544.2
483.9
406.6
329.3
247.4
185.5
142.2
94.3
52.6
32.5
23.2
9.3
6.2
4.6
3.1
3.1
0.0

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