

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: P635868

Luminaire Tested: **IFLD-S-SA2B-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635868
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-930-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (32) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5366 lumens
Efficiency: N/A
Efficacy: 65.1 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): 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



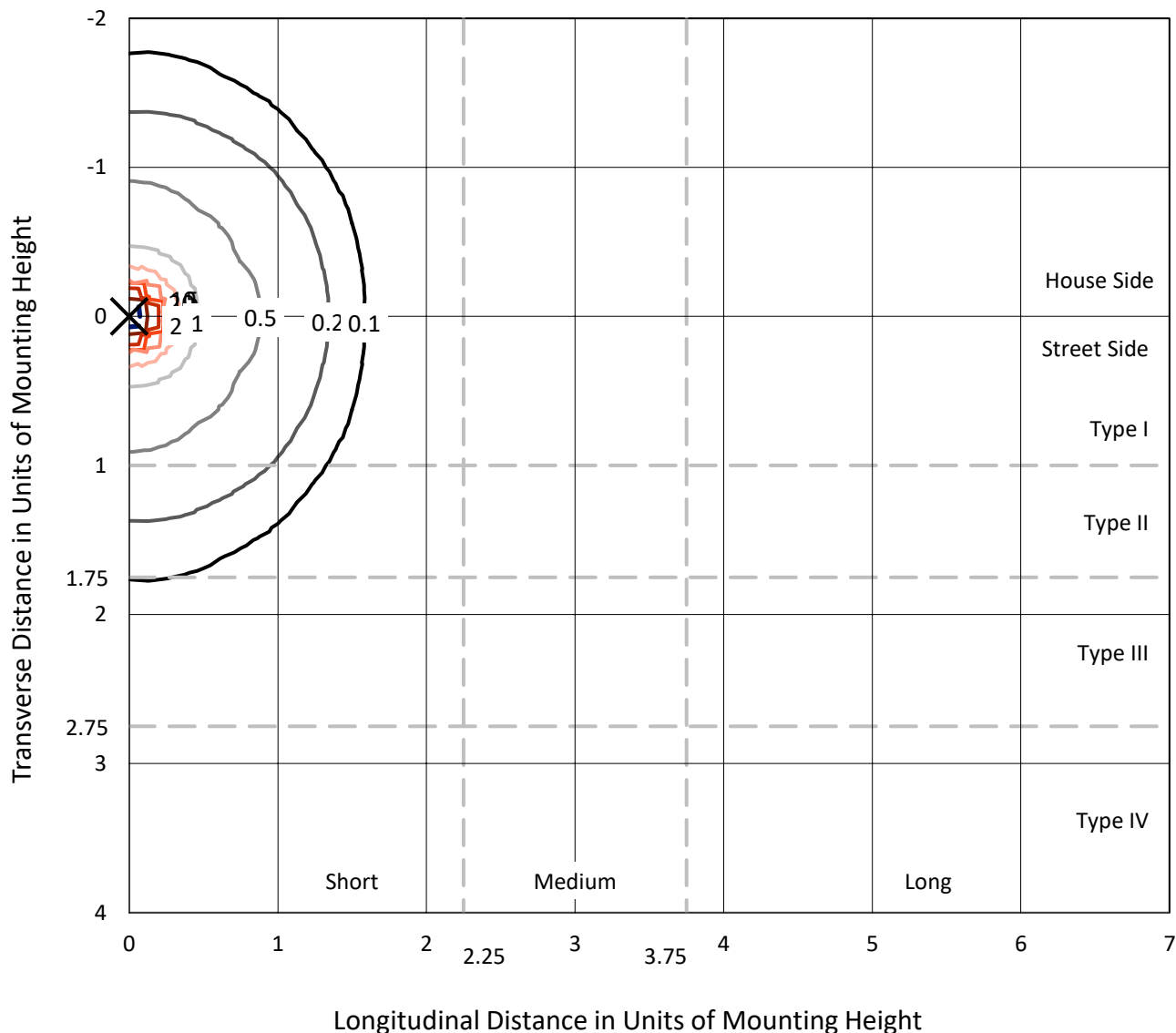
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

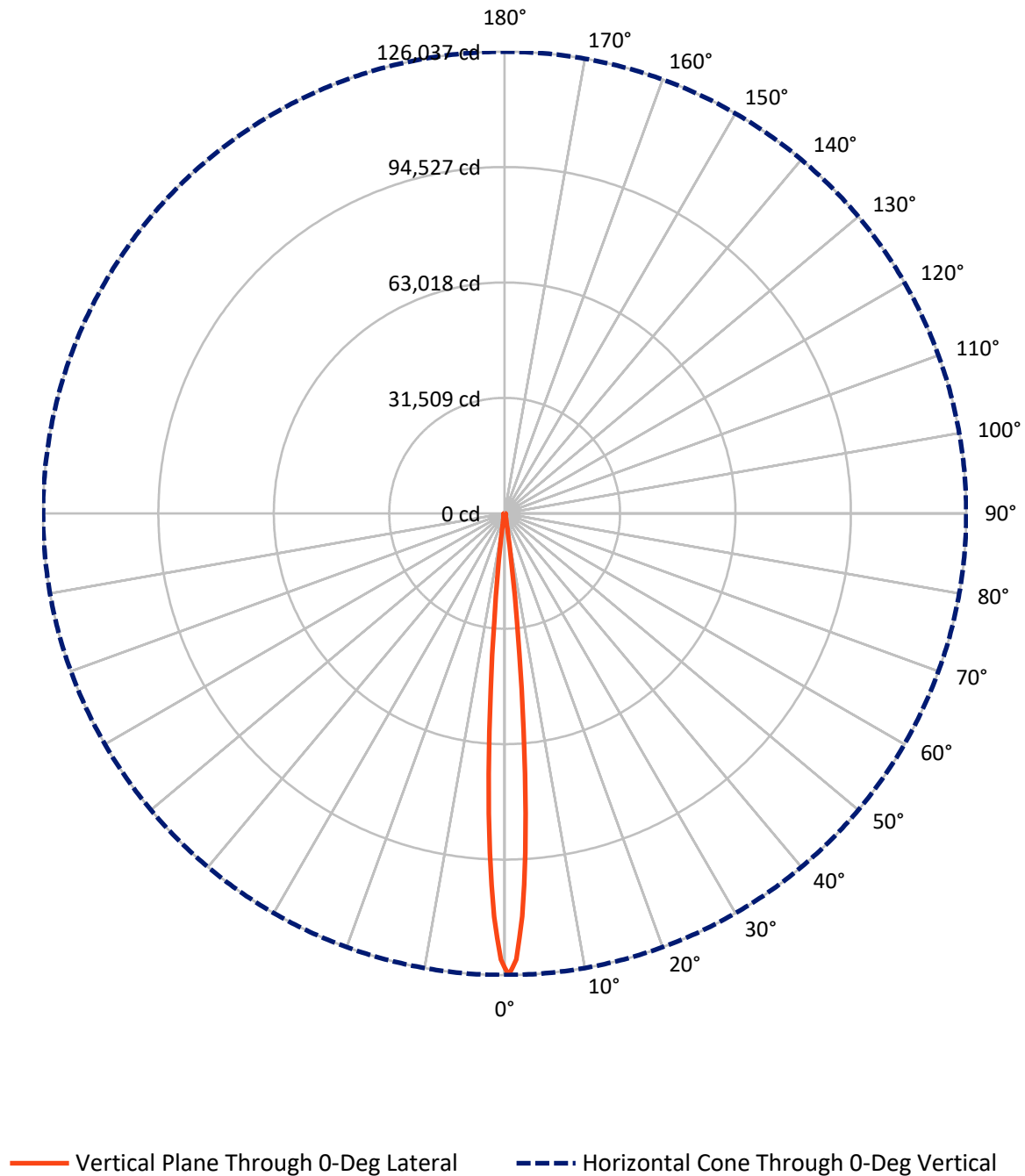


Based on 20 foot mounting height. Maximum calculated value = 315.1 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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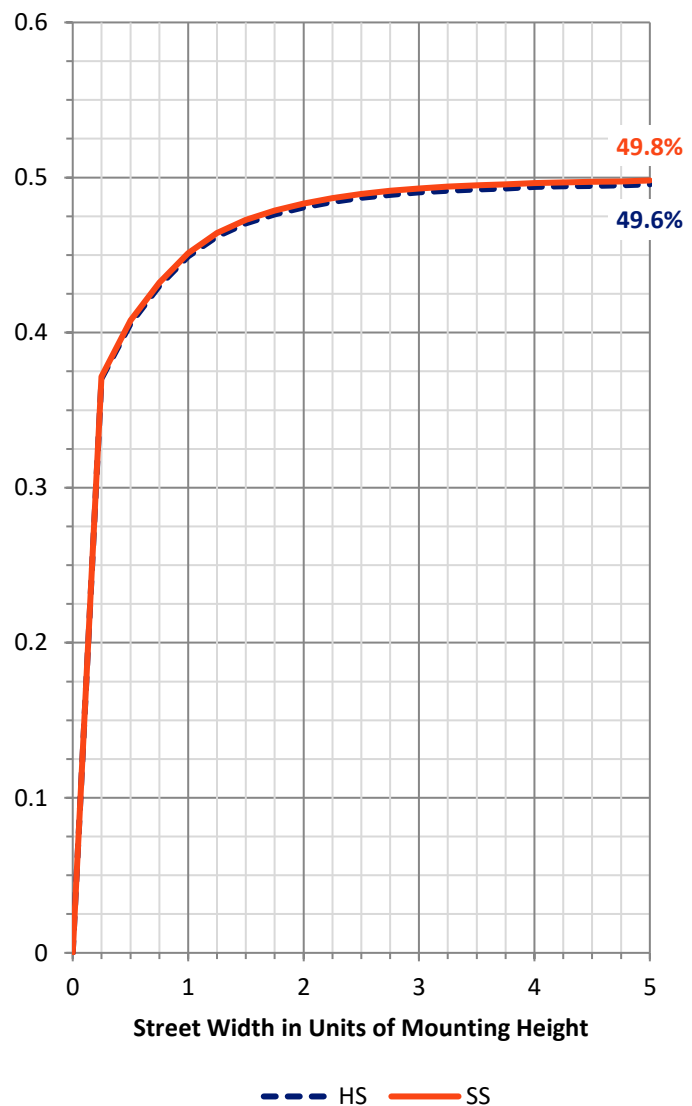
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2683.0	0.0	2683.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2683.0	0.0	2683.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5366.0	0.0	5366.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3386.9	63.1
10°-20°	418.6	7.8
20°-30°	250.8	4.7
30°-40°	269.7	5.0
40°-50°	362.6	6.8
50°-60°	323.2	6.0
60°-70°	213.5	4.0
70°-80°	105.9	2.0
80°-90°	35.0	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°	5366.0	100.0
0°-180°	5366.0	100.0

Coefficient of Utilization



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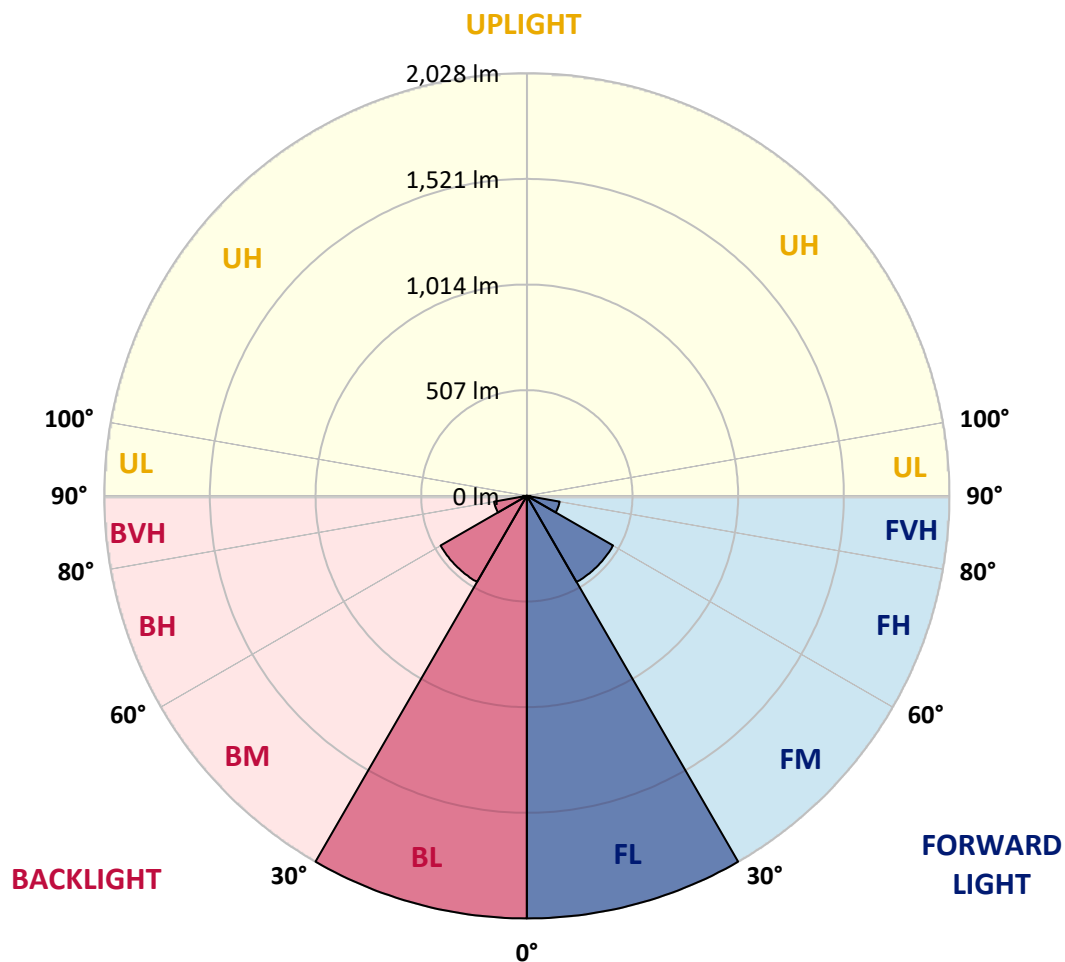
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2028.1	37.8			
FM	(30°-60°)	477.7	8.9			
FH	(60°-80°)	159.7	3.0			G0/660
FVH	(80°-90°)	17.5	0.3			G1/100
BL	(0°-30°)	2028.1	37.8	B3/2500		
BM	(30°-60°)	477.7	8.9	B1/1000		
BH	(60°-80°)	159.7	3.0	B1/500		G0/660
BVH	(80°-90°)	17.5	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°	126036.6	126036.6	126036.6	126036.6	126036.6	126036.6	126036.6	126036.6	126036.6	126036.6
1°	121812.0	120561.7	121204.8	121819.5	122681.4	123061.1	123448.2	123737.6	123732.6	124210.0
2°	110178.4	108163.9	109097.6	110242.8	112457.7	113093.3	114155.7	115470.3	115550.7	116740.4
3°	92867.2	90038.9	91414.1	93453.4	97125.1	98074.9	99777.8	100979.9	100443.2	101835.7
4°	71263.3	67573.0	69674.2	72693.0	76267.0	79893.0	79964.7	80826.7	79057.0	78971.7
5°	48079.0	44825.3	47521.3	51296.9	54384.9	56918.9	58479.6	58587.2	56674.0	56499.7
6°	29323.3	27170.2	29516.2	33512.0	37789.7	38843.4	39082.1	38540.4	36031.1	34642.3
7°	16206.9	15328.8	17621.7	20006.0	23341.4	24883.6	23816.3	22084.9	21316.9	19663.5
8°	8937.6	8504.8	9159.0	11219.3	13807.7	14820.6	13790.4	11992.2	10697.4	10239.8
9°	5388.3	5148.4	5415.5	6199.6	7317.5	8020.0	7430.1	6544.6	5998.0	5845.9
10°	3579.0	3485.0	3598.8	3863.4	4265.4	4470.7	4323.5	3972.3	3806.5	3796.7
12.5°	1878.5	1861.2	1889.7	1919.4	1988.6	1999.7	1973.8	1949.0	1910.7	1925.5
15°	1209.5	1193.4	1223.1	1261.4	1278.7	1289.9	1291.1	1277.5	1251.5	1239.2
17.5°	881.8	885.5	887.9	910.2	943.6	969.6	958.4	943.6	913.9	899.1
20°	725.9	727.2	732.1	744.5	755.6	791.5	780.4	758.1	729.7	718.5
22.5°	620.8	623.3	625.8	633.2	635.7	645.6	646.8	627.0	610.9	604.7
25°	546.6	546.6	550.3	556.5	559.0	551.6	552.8	544.1	529.3	521.9
27.5°	463.8	466.2	469.9	472.4	467.5	458.8	447.7	455.1	447.7	430.4
30°	413.1	415.5	426.7	419.2	408.1	397.0	390.8	400.7	401.9	387.1
32.5°	409.3	410.6	414.3	410.6	397.0	383.4	374.7	385.8	388.3	382.1
35°	427.9	424.2	429.1	431.6	418.0	403.2	392.0	401.9	409.3	411.8
37.5°	518.2	497.2	481.1	476.1	467.5	457.6	442.7	445.2	458.8	471.2
40°	493.4	488.5	482.3	466.2	450.2	462.5	445.2	440.3	471.2	473.7
42.5°	489.7	493.4	488.5	468.7	452.6	465.0	461.3	446.4	477.4	473.7
45°	492.2	495.9	507.0	473.7	460.1	466.2	473.7	457.6	488.5	476.1
47.5°	472.4	477.4	489.7	471.2	462.5	461.3	472.4	457.6	473.7	472.4
50°	446.4	451.4	455.1	439.0	455.1	446.4	447.7	441.5	441.5	444.0
52.5°	413.1	418.0	421.7	403.2	413.1	416.8	401.9	400.7	389.6	393.3
55°	372.2	379.7	383.4	376.0	371.0	378.4	357.4	354.9	332.7	333.9
57.5°	325.3	332.7	336.4	345.0	341.3	326.5	314.1	304.2	279.5	269.6
60°	335.1	342.6	335.1	310.4	310.4	277.0	265.9	244.9	220.1	207.8
62.5°	324.0	333.9	332.7	306.7	275.8	233.7	213.9	191.7	167.0	150.9
65°	305.5	315.4	310.4	293.1	263.4	200.3	170.7	148.4	117.5	113.8
67.5°	274.5	289.4	279.5	268.4	244.9	181.8	136.0	111.3	85.3	85.3
70°	227.6	238.7	244.9	232.5	218.9	170.7	116.2	85.3	61.8	47.0
72.5°	183.0	192.9	202.8	196.6	184.3	154.6	103.9	68.0	44.5	27.2
75°	101.4	105.1	108.8	123.7	141.0	126.1	95.2	59.4	37.1	21.0
77.5°	77.9	81.6	90.3	82.9	76.7	97.7	103.9	69.3	32.2	14.8
80°	60.6	65.5	92.8	76.7	65.5	74.2	89.0	60.6	21.0	7.4
82.5°	45.8	49.5	65.5	73.0	69.3	55.7	48.2	40.8	18.6	4.9
85°	33.4	38.3	45.8	40.8	39.6	39.6	53.2	35.9	13.6	3.7
87.5°	19.8	19.8	21.0	19.8	18.6	18.6	21.0	17.3	8.7	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
126036.6
123250.3
115689.2
100346.7
78595.7
55793.5
34763.5
18886.8
9824.3
5639.3
3679.2
1869.9
1219.4
883.0
706.2
597.3
515.7
431.6
382.1
378.4
411.8
482.3
477.4
471.2
472.4
469.9
435.3
387.1
325.3
263.4
197.9
148.4
113.8
75.4
42.0
26.0
18.6
7.4
4.9
3.7
2.5
2.5
0.0

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