

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: P635959

Luminaire Tested: **IFLD-S-SA3A-950-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635959
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-950-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (48) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7300.5 lumens
Efficiency: N/A
Efficacy: 77.0 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



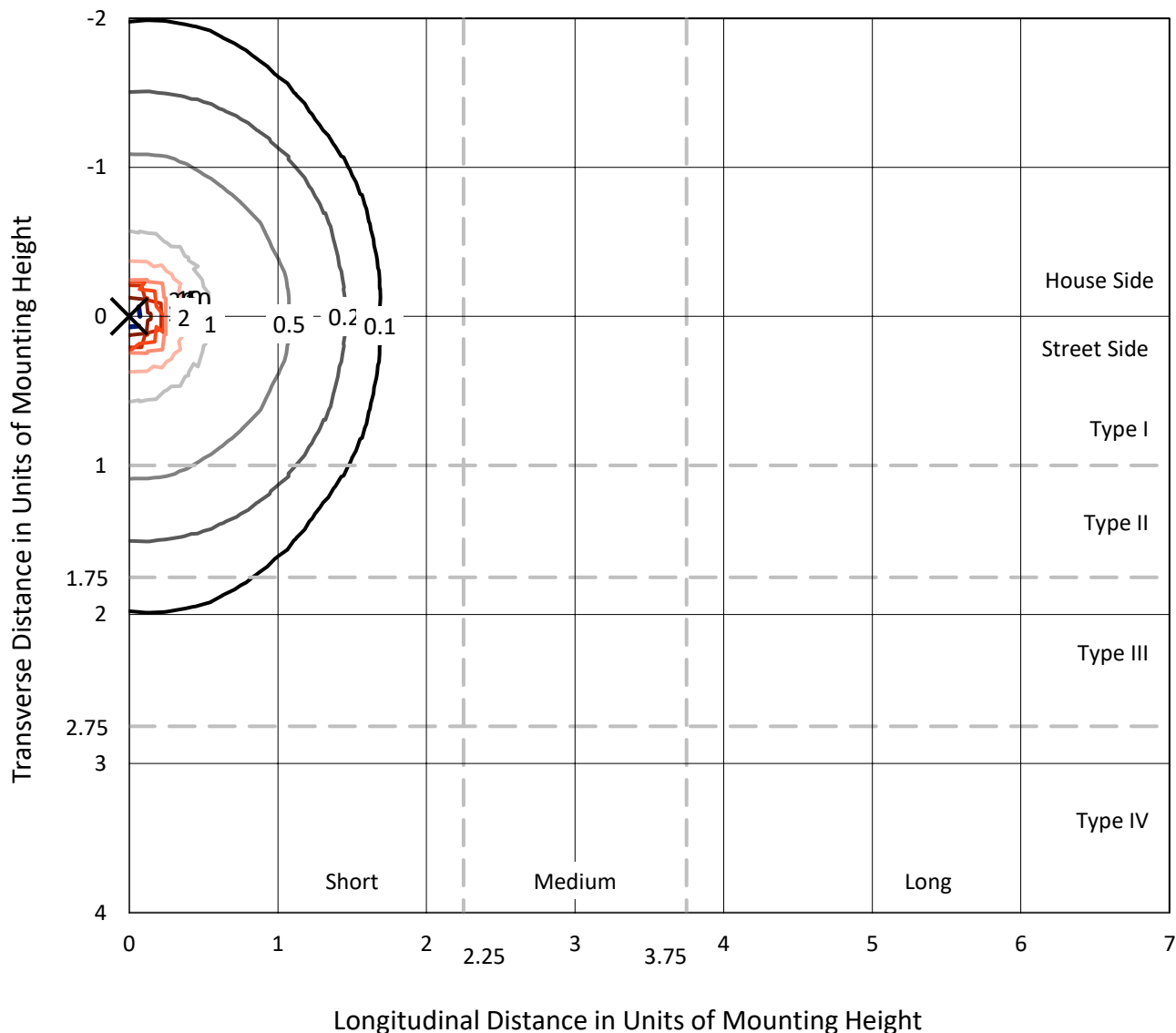
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

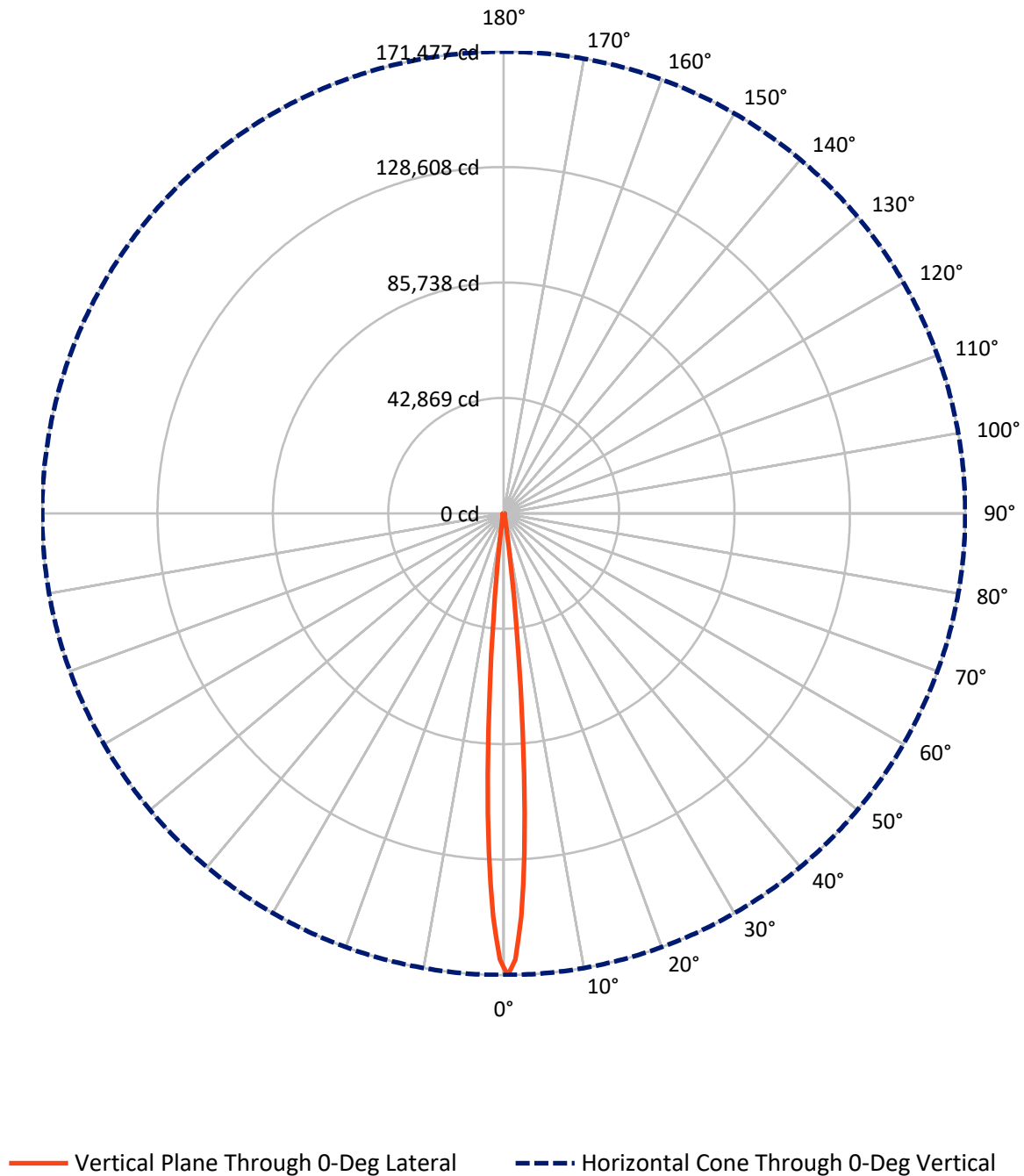


Based on 20 foot mounting height. Maximum calculated value = 428.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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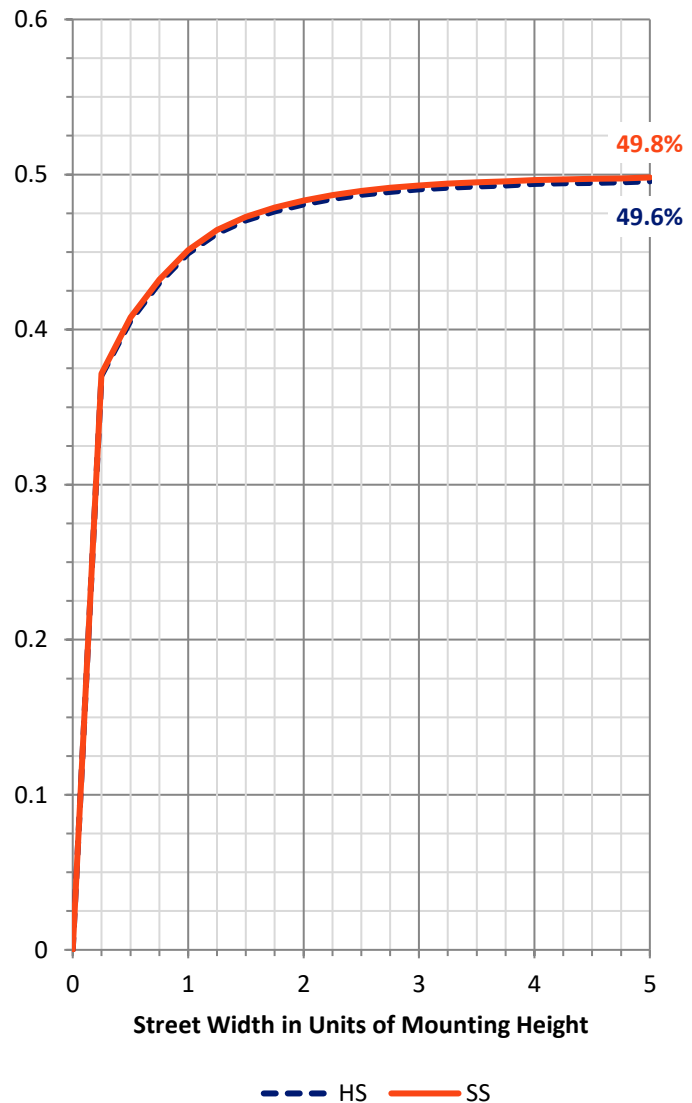
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3650.3	0.0	3650.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3650.3	0.0	3650.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	7300.5	0.0	7300.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4607.9	63.1
10°-20°	569.5	7.8
20°-30°	341.2	4.7
30°-40°	366.9	5.0
40°-50°	493.3	6.8
50°-60°	439.7	6.0
60°-70°	290.5	4.0
70°-80°	144.0	2.0
80°-90°	47.5	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°	7300.5	100.0
0°-180°	7300.5	100.0



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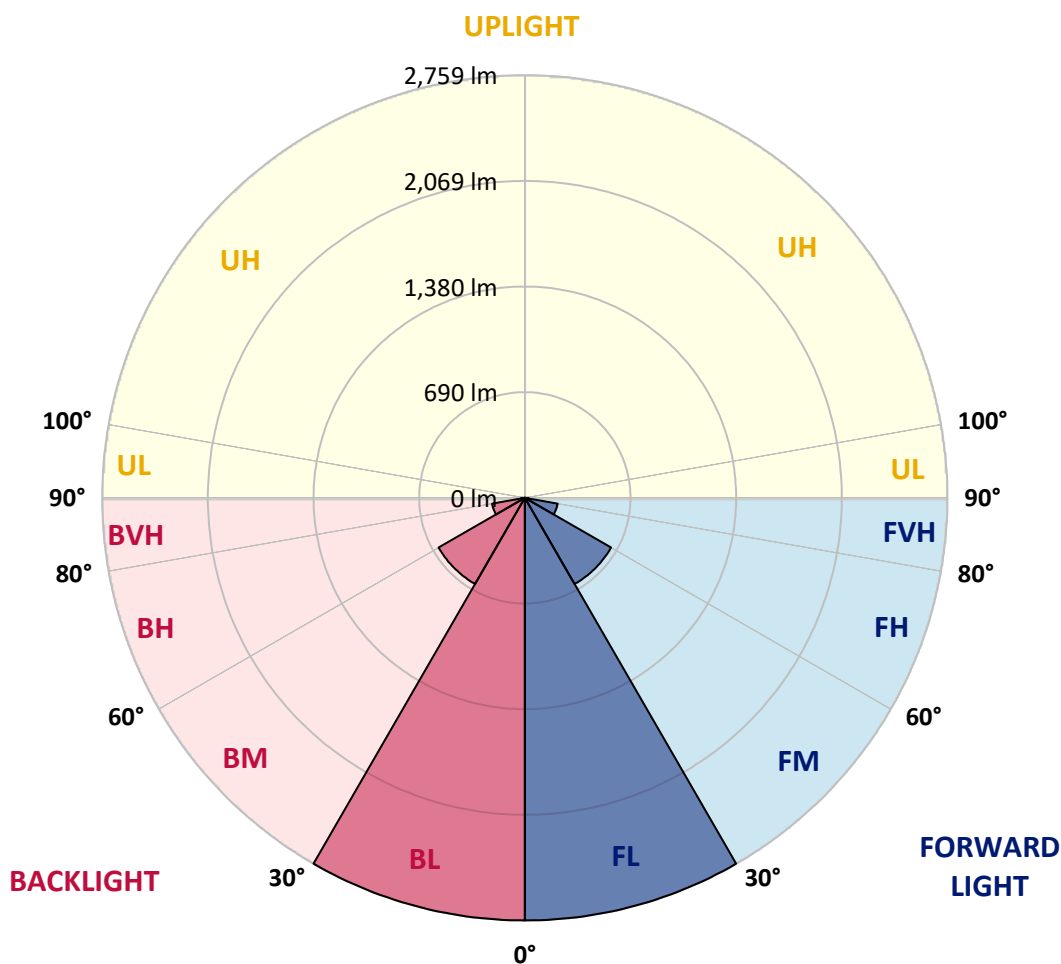
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2759.3	37.8			
FM	(30°-60°)	650.0	8.9			
FH	(60°-80°)	217.2	3.0			G0/660
FVH	(80°-90°)	23.8	0.3			G1/100
BL	(0°-30°)	2759.3	37.8	B4/5000		
BM	(30°-60°)	650.0	8.9	B1/1000		
BH	(60°-80°)	217.2	3.0	B1/500		G0/660
BVH	(80°-90°)	23.8	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°	171476.7	171476.7	171476.7	171476.7	171476.7	171476.7	171476.7	171476.7	171476.7	171476.7
1°	165729.1	164028.0	164903.0	165739.2	166912.0	167428.5	167955.1	168348.9	168342.1	168991.6
2°	149901.2	147160.3	148430.7	149988.7	153002.2	153867.0	155312.4	157100.9	157210.3	158828.9
3°	126348.7	122500.7	124371.7	127146.3	132141.8	133434.0	135750.9	137386.3	136656.1	138550.7
4°	96956.0	91935.3	94793.9	98901.1	103763.7	108696.9	108794.5	109967.3	107559.5	107443.4
5°	65413.0	60986.2	64654.2	69791.0	73992.4	77440.0	79563.4	79709.7	77106.8	76869.6
6°	39895.3	36965.9	40157.7	45594.1	51414.1	52847.6	53172.4	52435.4	49021.5	47132.0
7°	22050.0	20855.4	23974.8	27218.8	31756.7	33854.9	32402.8	30047.2	29002.3	26752.8
8°	12159.9	11571.0	12461.1	15264.2	18785.8	20163.8	18762.3	16315.8	14554.2	13931.6
9°	7330.9	7004.5	7367.9	8434.7	9955.7	10911.4	10108.8	8904.1	8160.4	7953.5
10°	4869.3	4741.5	4896.3	5256.3	5803.2	6082.5	5882.2	5404.4	5178.9	5165.5
12.5°	2555.8	2532.3	2571.0	2611.3	2705.6	2720.7	2685.4	2651.7	2599.6	2619.8
15°	1645.5	1623.7	1664.1	1716.2	1739.8	1754.9	1756.6	1738.1	1702.8	1685.9
17.5°	1199.7	1204.7	1208.1	1238.4	1283.8	1319.1	1304.0	1283.8	1243.4	1223.2
20°	987.7	989.3	996.1	1012.9	1028.0	1076.8	1061.7	1031.4	992.7	977.6
22.5°	844.6	848.0	851.4	861.5	864.8	878.3	880.0	853.1	831.2	822.8
25°	743.7	743.7	748.7	757.2	760.5	750.4	752.1	740.3	720.1	710.0
27.5°	631.0	634.3	639.4	642.7	636.0	624.2	609.1	619.2	609.1	585.5
30°	562.0	565.3	580.5	570.4	555.2	540.1	531.7	545.2	546.8	526.6
32.5°	556.9	558.6	563.7	558.6	540.1	521.6	509.8	525.0	528.3	519.9
35°	582.2	577.1	583.8	587.2	568.7	548.5	533.4	546.8	556.9	560.3
37.5°	705.0	676.4	654.5	647.8	636.0	622.5	602.4	605.7	624.2	641.1
40°	671.3	664.6	656.2	634.3	612.5	629.3	605.7	599.0	641.1	644.4
42.5°	666.3	671.3	664.6	637.7	615.8	632.6	627.6	607.4	649.5	644.4
45°	669.7	674.7	689.9	644.4	625.9	634.3	644.4	622.5	664.6	647.8
47.5°	642.7	649.5	666.3	641.1	629.3	627.6	642.7	622.5	644.4	642.7
50°	607.4	614.1	619.2	597.3	619.2	607.4	609.1	600.7	600.7	604.0
52.5°	562.0	568.7	573.8	548.5	562.0	567.0	546.8	545.2	530.0	535.1
55°	506.5	516.5	521.6	511.5	504.8	514.9	486.3	482.9	452.6	454.3
57.5°	442.5	452.6	457.7	469.4	464.4	444.2	427.4	413.9	380.3	366.8
60°	456.0	466.1	456.0	422.3	422.3	376.9	361.8	333.1	299.5	282.7
62.5°	440.8	454.3	452.6	417.3	375.2	318.0	291.1	260.8	227.1	205.3
65°	415.6	429.1	422.3	398.8	358.4	272.6	232.2	201.9	159.8	154.8
67.5°	373.5	393.7	380.3	365.1	333.1	247.3	185.1	151.4	116.1	116.1
70°	309.6	324.7	333.1	316.3	297.8	232.2	158.2	116.1	84.1	63.9
72.5°	249.0	262.5	275.9	267.5	250.7	210.3	141.3	92.5	60.6	37.0
75°	138.0	143.0	148.1	168.3	191.8	171.6	129.6	80.8	50.5	28.6
77.5°	106.0	111.0	122.8	112.7	104.3	132.9	141.3	94.2	43.7	20.2
80°	82.4	89.2	126.2	104.3	89.2	101.0	121.1	82.4	28.6	10.1
82.5°	62.3	67.3	89.2	99.3	94.2	75.7	65.6	55.5	25.2	6.7
85°	45.4	52.2	62.3	55.5	53.8	53.8	72.4	48.8	18.5	5.0
87.5°	26.9	26.9	28.6	26.9	25.2	25.2	28.6	23.6	11.8	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

171476.7

167685.9
157398.7
136524.9
106931.9
75908.8
47296.9
25696.1
13366.3
7672.5
5005.6
2544.0
1659.0
1201.4
960.7
812.7
701.6
587.2
519.9
514.9
560.3
656.2
649.5
641.1
642.7
639.4
592.3
526.6
442.5
358.4
269.2
201.9
154.8
102.6
57.2
35.3
25.2
10.1
6.7
5.0
3.4
3.4
0.0

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