

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: P635867

Luminaire Tested: **IFLD-S-SA2A-930-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635867
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-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: 4338.9 lumens
Efficiency: N/A
Efficacy: 68.0 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): 63.8
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



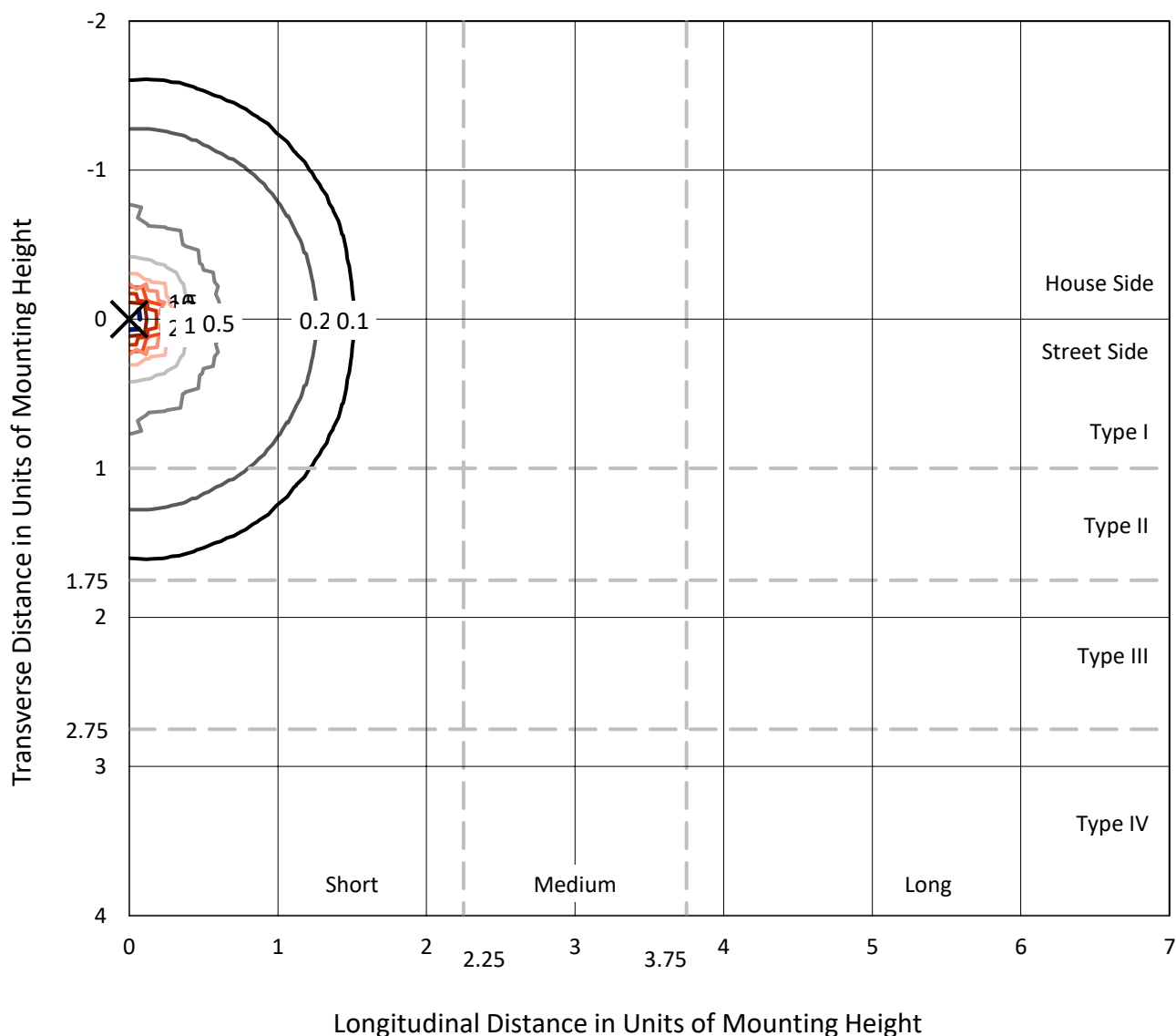
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

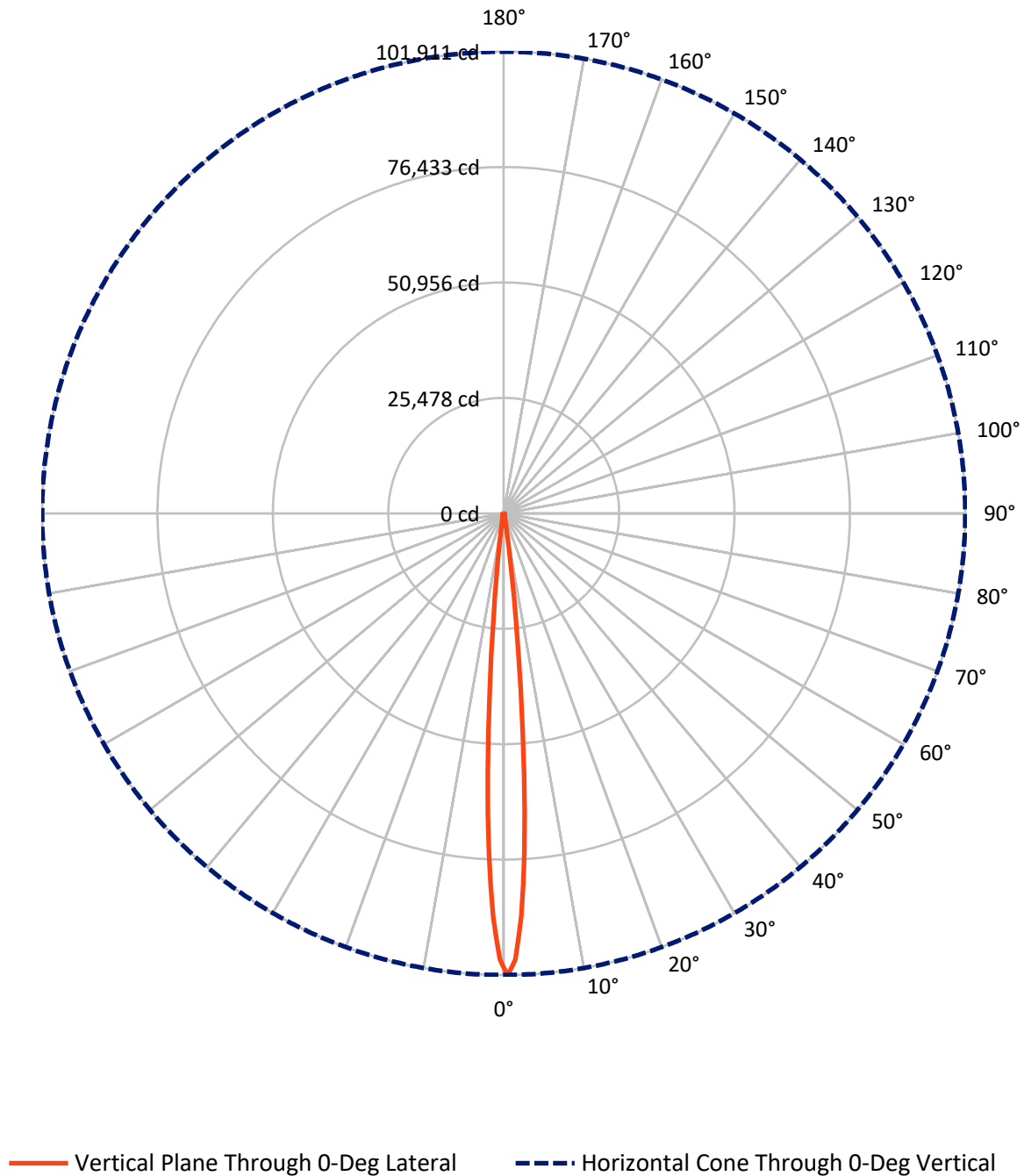


Based on 20 foot mounting height. Maximum calculated value = 254.8 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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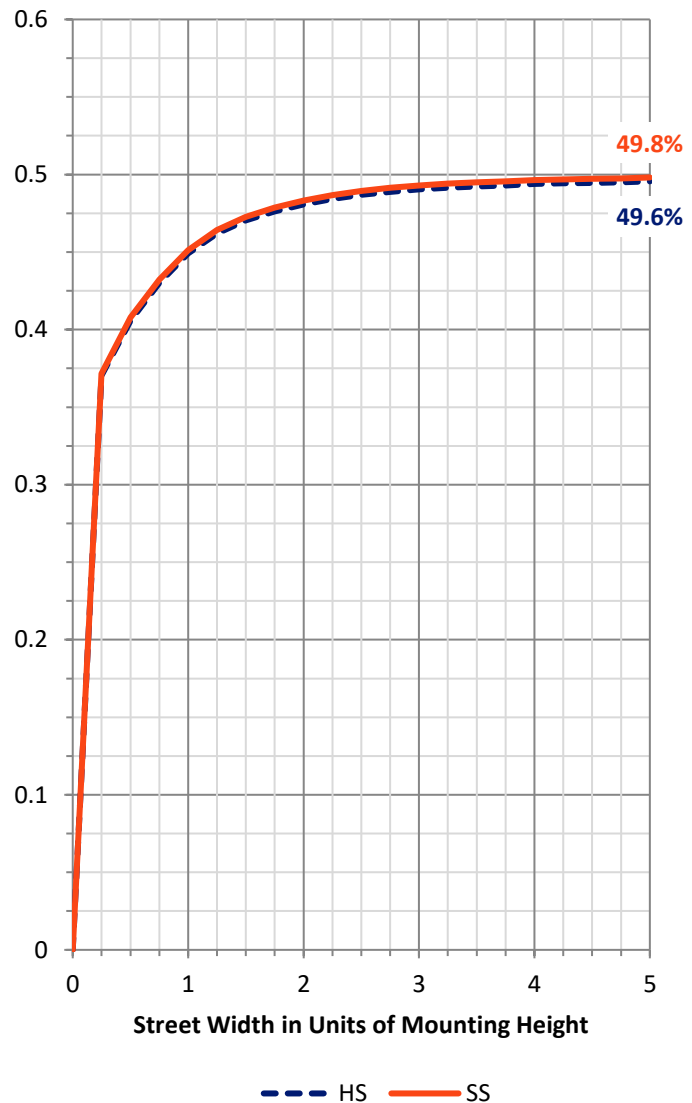
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2169.4	0.0	2169.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2169.4	0.0	2169.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	4338.9	0.0	4338.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2738.6	63.1
10°-20°	338.5	7.8
20°-30°	202.8	4.7
30°-40°	218.0	5.0
40°-50°	293.2	6.8
50°-60°	261.4	6.0
60°-70°	172.6	4.0
70°-80°	85.6	2.0
80°-90°	28.3	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°	4338.9	100.0
0°-180°	4338.9	100.0

Coefficient of Utilization



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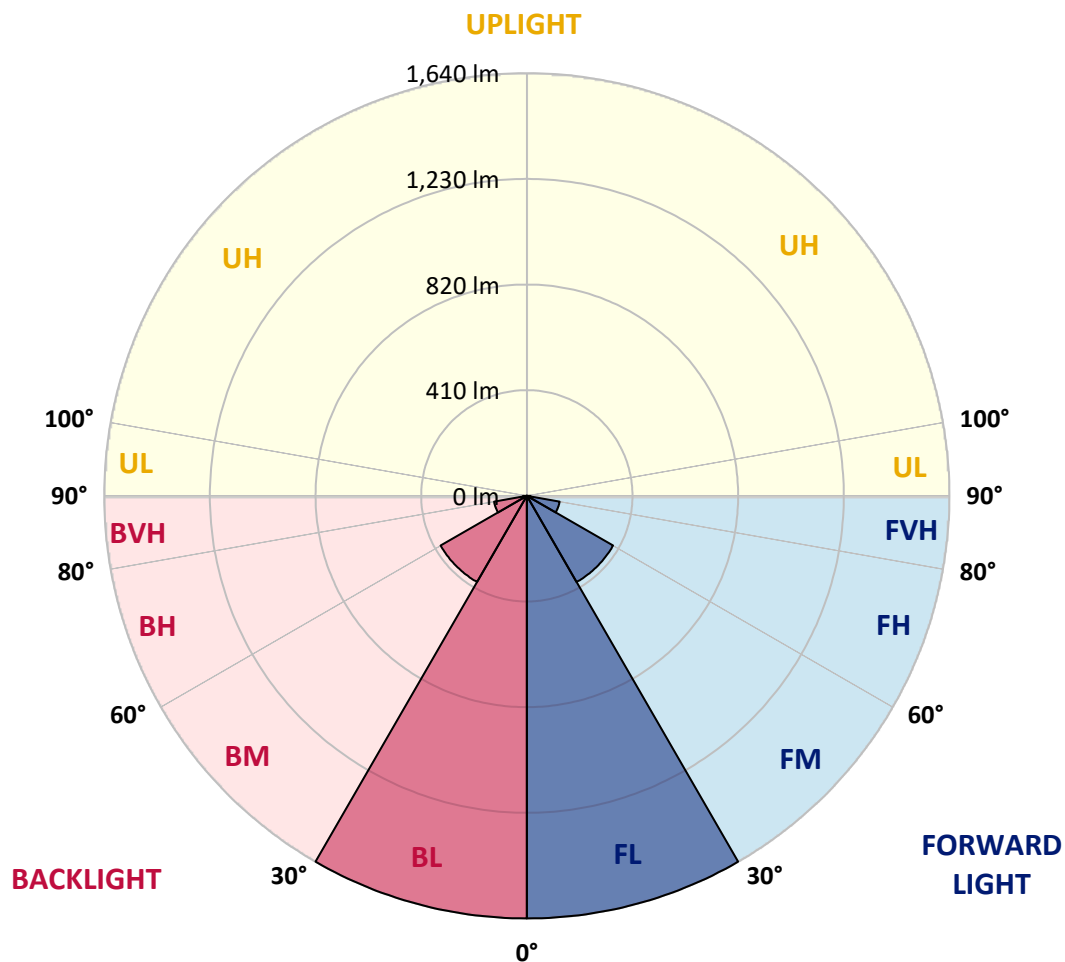
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1639.9	37.8			
FM	(30°-60°)	386.3	8.9			
FH	(60°-80°)	129.1	3.0			G0/660
FVH	(80°-90°)	14.1	0.3			G1/100
BL	(0°-30°)	1639.9	37.8	B3/2500		
BM	(30°-60°)	386.3	8.9	B1/1000		
BH	(60°-80°)	129.1	3.0	B1/500		G0/660
BVH	(80°-90°)	14.1	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°	101911.1	101911.1	101911.1	101911.1	101911.1	101911.1	101911.1	101911.1	101911.1	101911.1
1°	98495.2	97484.2	98004.2	98501.2	99198.2	99505.2	99818.2	100052.2	100048.2	100434.1
2°	89088.5	87459.5	88214.5	89140.5	90931.4	91445.4	92304.4	93367.3	93432.3	94394.3
3°	75090.9	72803.9	73915.9	75564.8	78533.8	79301.7	80678.7	81650.7	81216.7	82342.7
4°	57622.4	54638.4	56337.4	58778.3	61668.2	64600.2	64658.2	65355.1	63924.2	63855.2
5°	38875.9	36245.0	38424.9	41477.8	43974.7	46023.7	47285.7	47372.7	45825.7	45684.7
6°	23710.3	21969.4	23866.3	27097.2	30556.1	31408.1	31601.1	31163.1	29134.2	28011.2
7°	13104.6	12394.6	14248.6	16176.5	18873.5	20120.4	19257.5	17857.5	17236.5	15899.5
8°	7226.8	6876.8	7405.8	9071.7	11164.7	11983.7	11150.7	9696.7	8649.8	8279.8
9°	4356.9	4162.9	4378.9	5012.9	5916.8	6484.8	6007.8	5291.8	4849.9	4726.9
10°	2893.9	2817.9	2909.9	3123.9	3448.9	3614.9	3495.9	3211.9	3077.9	3069.9
12.5°	1519.0	1505.0	1528.0	1552.0	1608.0	1617.0	1596.0	1576.0	1545.0	1557.0
15°	978.0	965.0	989.0	1020.0	1034.0	1043.0	1044.0	1033.0	1012.0	1002.0
17.5°	713.0	716.0	718.0	736.0	763.0	784.0	775.0	763.0	739.0	727.0
20°	587.0	588.0	592.0	602.0	611.0	640.0	631.0	613.0	590.0	581.0
22.5°	502.0	504.0	506.0	512.0	514.0	522.0	523.0	507.0	494.0	489.0
25°	442.0	442.0	445.0	450.0	452.0	446.0	447.0	440.0	428.0	422.0
27.5°	375.0	377.0	380.0	382.0	378.0	371.0	362.0	368.0	362.0	348.0
30°	334.0	336.0	345.0	339.0	330.0	321.0	316.0	324.0	325.0	313.0
32.5°	331.0	332.0	335.0	332.0	321.0	310.0	303.0	312.0	314.0	309.0
35°	346.0	343.0	347.0	349.0	338.0	326.0	317.0	325.0	331.0	333.0
37.5°	419.0	402.0	389.0	385.0	378.0	370.0	358.0	360.0	371.0	381.0
40°	399.0	395.0	390.0	377.0	364.0	374.0	360.0	356.0	381.0	383.0
42.5°	396.0	399.0	395.0	379.0	366.0	376.0	373.0	361.0	386.0	383.0
45°	398.0	401.0	410.0	383.0	372.0	377.0	383.0	370.0	395.0	385.0
47.5°	382.0	386.0	396.0	381.0	374.0	373.0	382.0	370.0	383.0	382.0
50°	361.0	365.0	368.0	355.0	368.0	361.0	362.0	357.0	357.0	359.0
52.5°	334.0	338.0	341.0	326.0	334.0	337.0	325.0	324.0	315.0	318.0
55°	301.0	307.0	310.0	304.0	300.0	306.0	289.0	287.0	269.0	270.0
57.5°	263.0	269.0	272.0	279.0	276.0	264.0	254.0	246.0	226.0	218.0
60°	271.0	277.0	271.0	251.0	251.0	224.0	215.0	198.0	178.0	168.0
62.5°	262.0	270.0	269.0	248.0	223.0	189.0	173.0	155.0	135.0	122.0
65°	247.0	255.0	251.0	237.0	213.0	162.0	138.0	120.0	95.0	92.0
67.5°	222.0	234.0	226.0	217.0	198.0	147.0	110.0	90.0	69.0	69.0
70°	184.0	193.0	198.0	188.0	177.0	138.0	94.0	69.0	50.0	38.0
72.5°	148.0	156.0	164.0	159.0	149.0	125.0	84.0	55.0	36.0	22.0
75°	82.0	85.0	88.0	100.0	114.0	102.0	77.0	48.0	30.0	17.0
77.5°	63.0	66.0	73.0	67.0	62.0	79.0	84.0	56.0	26.0	12.0
80°	49.0	53.0	75.0	62.0	53.0	60.0	72.0	49.0	17.0	6.0
82.5°	37.0	40.0	53.0	59.0	56.0	45.0	39.0	33.0	15.0	4.0
85°	27.0	31.0	37.0	33.0	32.0	32.0	43.0	29.0	11.0	3.0
87.5°	16.0	16.0	17.0	16.0	15.0	15.0	17.0	14.0	7.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
101911.1
99658.2
93544.3
81138.7
63551.2
45113.7
28109.2
15271.6
7943.8
4559.9
2974.9
1512.0
986.0
714.0
571.0
483.0
417.0
349.0
309.0
306.0
333.0
390.0
386.0
381.0
382.0
380.0
352.0
313.0
263.0
213.0
160.0
120.0
92.0
61.0
34.0
21.0
15.0
6.0
4.0
3.0
2.0
2.0
0.0

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