

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: P636382

Luminaire Tested: **IFLD-L-SA7C-940-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636382  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-940-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (112) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29948.1 lumens  
Efficiency: N/A  
Efficacy: 81.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

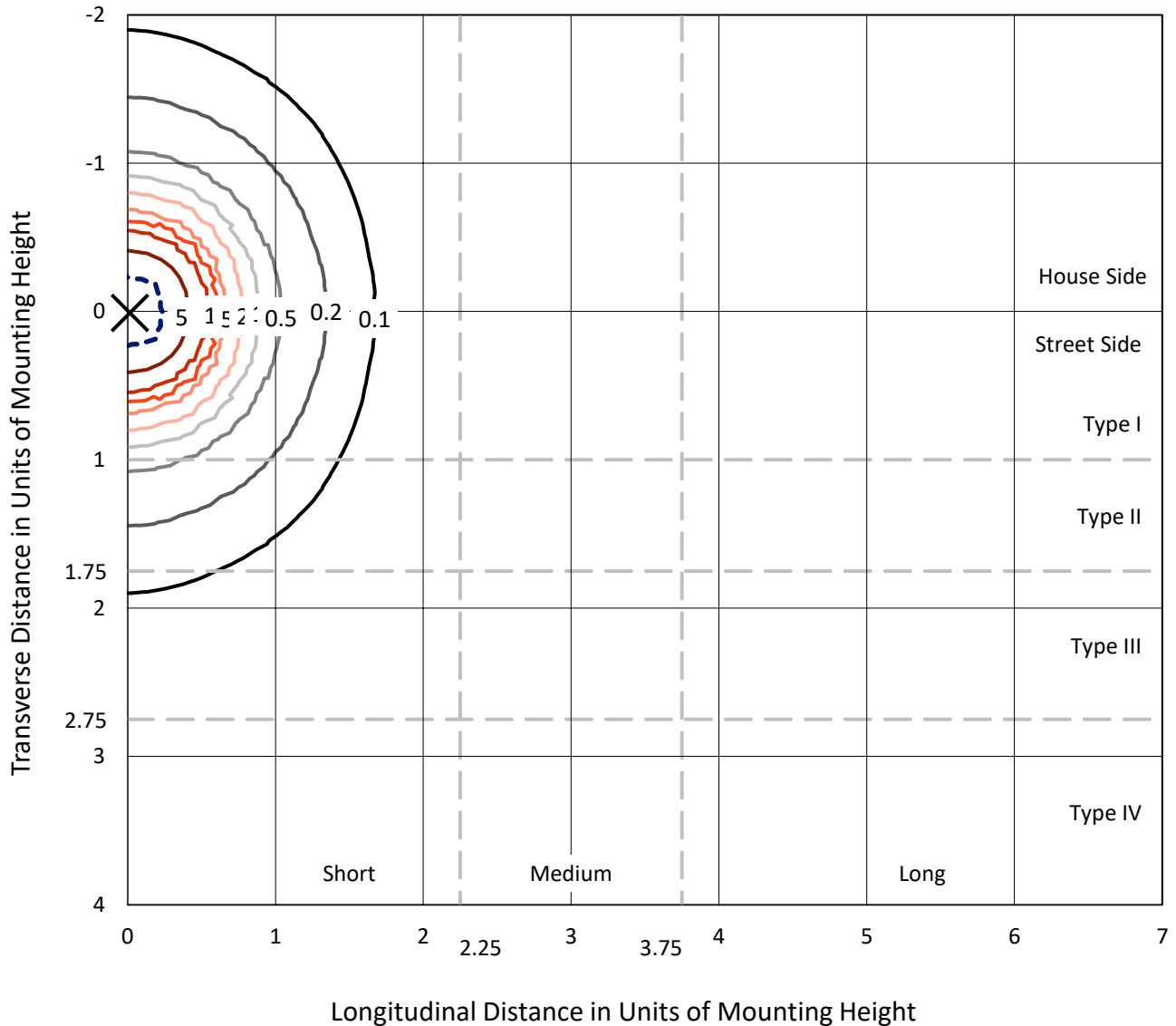
Input Watts (W): 369  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

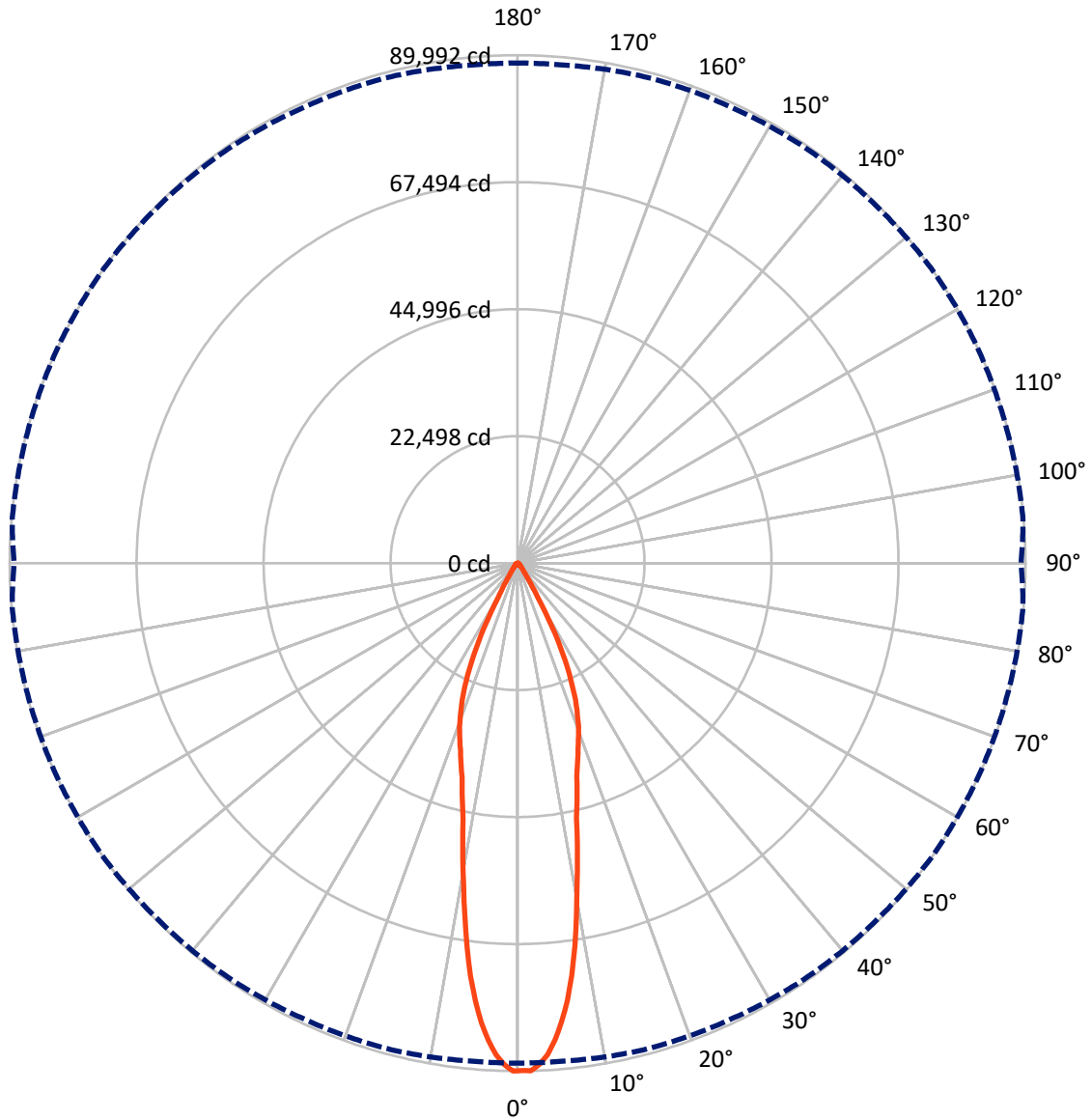
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 224.7 fc  
 Type V - Short - N/A

REPORT NUMBER: P636382  
CATALOG NUMBER: IFLD-L-SA7C-940-U-44-VI

### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 1-Deg Vertical

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CATALOG NUMBER: IFLD-L-SA7C-940-U-44-VI

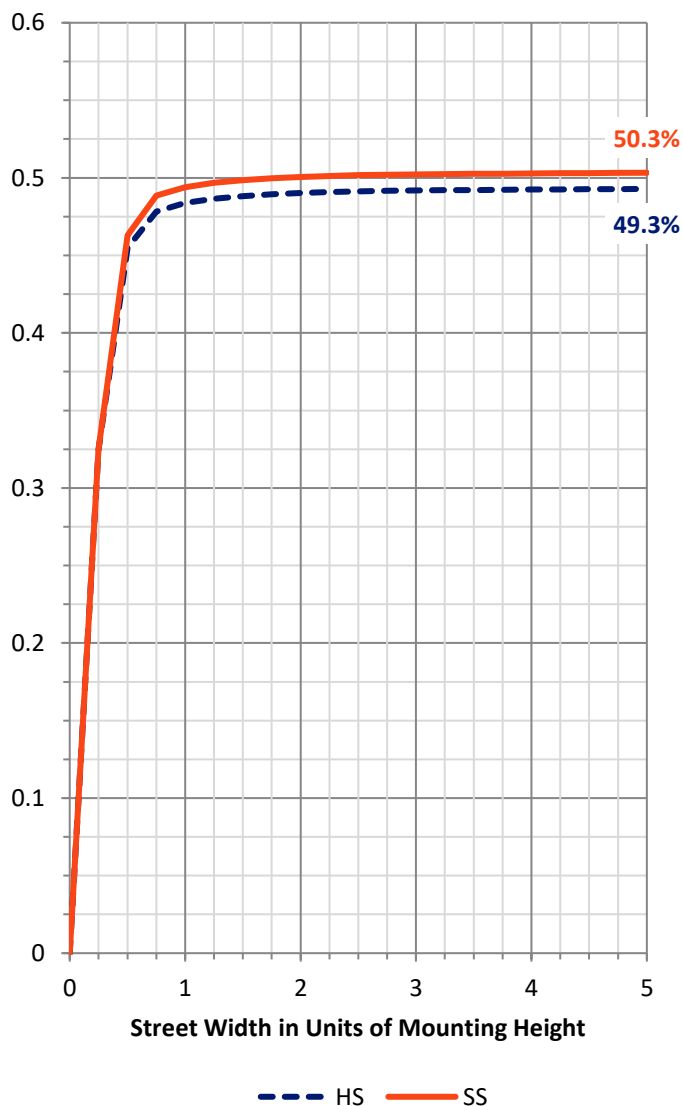
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14974.0	0.0	14974.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14974.0	0.0	14974.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29948.1	0.0	29948.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6839.3	22.8
10°-20°	11170.4	37.3
20°-30°	8728.9	29.1
30°-40°	1902.6	6.4
40°-50°	563.3	1.9
50°-60°	352.3	1.2
60°-70°	246.4	0.8
70°-80°	105.7	0.4
80°-90°	39.1	0.1
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°	29948.1	100.0
0°-180°	29948.1	100.0



REPORT NUMBER: P636382

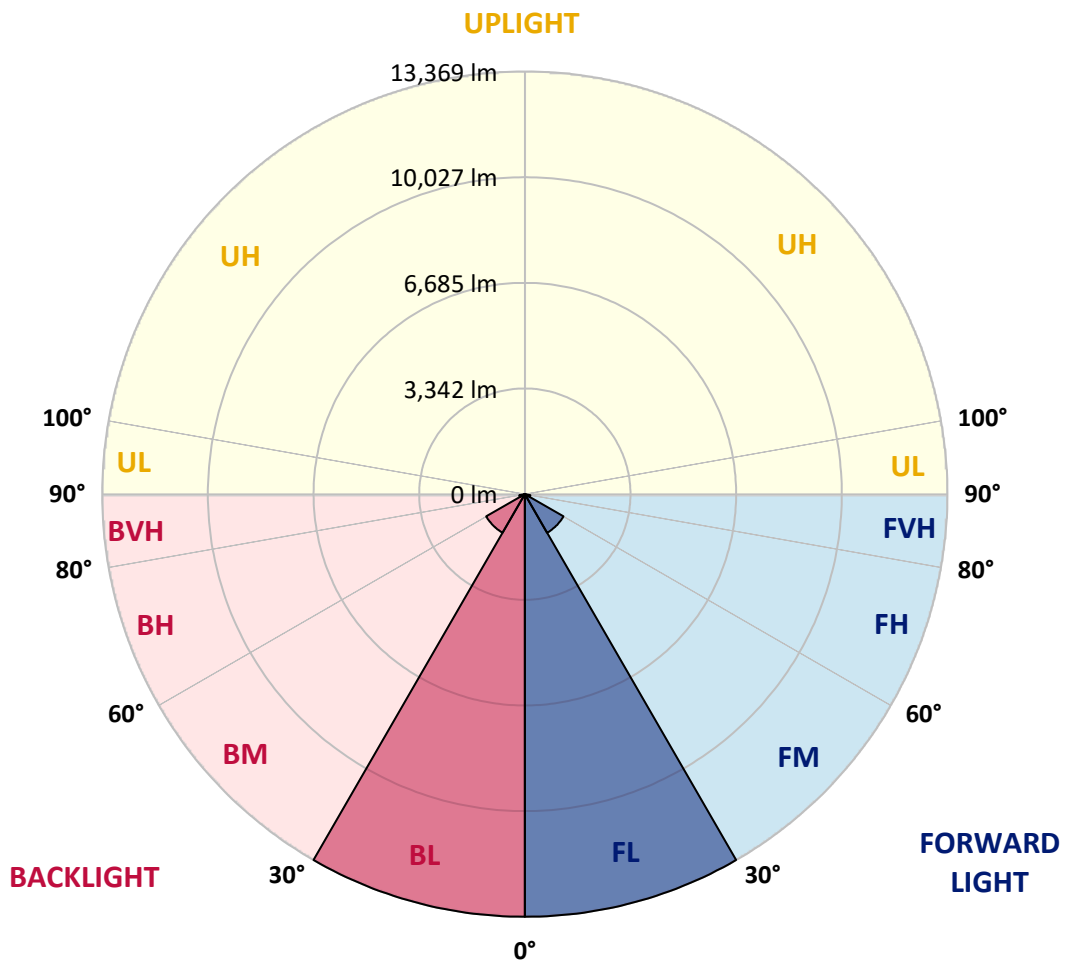
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	13369.3	44.6			
FM	(30°-60°)	1409.1	4.7			
FH	(60°-80°)	176.1	0.6			G0/660
FVH	(80°-90°)	19.5	0.1			G1/100
BL	(0°-30°)	13369.3	44.6	B5		
BM	(30°-60°)	1409.1	4.7	B2/2500		
BH	(60°-80°)	176.1	0.6	B1/500		G0/660
BVH	(80°-90°)	19.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	89889.4	89889.4	89889.4	89889.4	89889.4	89889.4	89889.4	89889.4	89889.4	89889.4
1°	88588.2	88599.1	89081.6	89190.0	89520.8	89688.8	89992.4	89959.9	89867.7	89878.6
2°	86956.4	86885.9	87335.9	87834.7	88230.4	88555.7	88919.0	88994.9	88908.1	88989.4
3°	84272.7	84169.7	84798.6	85422.1	86110.6	86669.0	87216.6	87238.3	87135.3	87129.9
4°	80743.3	80553.5	81301.7	82413.1	83280.5	84023.3	84706.4	84695.6	84554.6	84668.5
5°	76476.5	76237.9	77208.4	78672.2	79957.1	80851.7	81605.3	81426.4	81101.1	81117.3
6°	71239.3	71472.4	72659.7	74714.5	76232.5	76975.3	77902.4	77566.2	77002.4	76942.7
7°	66316.5	66842.4	67791.2	70268.8	72074.2	72854.9	73641.0	72963.3	72198.9	72074.2
8°	61133.5	62011.8	63323.8	65606.3	67530.9	68317.0	68615.2	67888.7	67070.1	67037.6
9°	56931.8	57533.6	58661.3	60672.7	62629.8	63155.7	63220.8	62586.5	61767.8	61822.0
10°	53109.6	53223.4	54199.3	55928.8	57495.6	57869.7	57853.4	57392.6	56720.3	56899.2
12.5°	44554.4	44863.4	45145.3	45698.3	46224.2	46468.2	46376.0	46186.2	45817.6	45833.8
15°	38747.9	38742.5	38775.0	39029.8	39187.0	39214.1	39214.1	38975.6	38818.4	39051.5
17.5°	33624.5	33906.4	34410.6	34616.6	34822.7	34746.8	34605.8	34497.4	34394.4	34595.0
20°	29639.7	29764.4	29769.8	29905.3	30946.3	31000.5	30821.6	30512.5	30252.3	30203.5
22.5°	25156.0	25345.8	25427.1	25546.4	25654.8	26446.4	26234.9	25736.1	25427.1	25334.9
25°	18883.3	18818.2	19349.5	20325.4	20482.6	20580.2	20526.0	20265.8	20065.2	20103.1
27.5°	13049.7	13163.5	13141.9	13152.7	14188.2	14182.8	14166.5	13938.8	13879.2	13792.4
30°	7297.4	7243.2	7270.3	7199.8	7053.4	7232.4	6945.0	7189.0	6950.4	7026.3
32.5°	4315.6	4277.6	4239.7	4255.9	4147.5	3881.8	3768.0	3936.1	3881.8	3860.1
35°	2754.2	2770.4	2819.2	2813.8	2716.2	2564.4	2401.7	2553.6	2531.9	2466.8
37.5°	1756.6	1756.6	1772.8	1913.8	1832.5	1702.4	1588.5	1653.6	1648.2	1637.3
40°	1247.0	1247.0	1268.6	1306.6	1263.2	1198.2	1133.1	1133.1	1143.9	1111.4
42.5°	927.1	927.1	948.8	970.5	916.2	894.6	862.0	840.3	867.4	840.3
45°	726.5	721.1	726.5	715.6	683.1	683.1	656.0	623.5	656.0	639.7
47.5°	596.4	590.9	585.5	563.8	531.3	536.7	525.9	498.8	515.0	509.6
50°	520.5	509.6	515.0	493.4	466.3	460.8	460.8	433.7	439.1	439.1
52.5°	455.4	455.4	450.0	439.1	428.3	406.6	412.0	384.9	384.9	384.9
55°	428.3	428.3	417.5	395.8	401.2	384.9	368.7	352.4	347.0	347.0
57.5°	422.9	422.9	417.5	395.8	379.5	374.1	352.4	330.7	314.5	319.9
60°	412.0	412.0	401.2	395.8	368.7	357.8	325.3	309.0	287.3	287.3
62.5°	395.8	390.4	368.7	336.1	336.1	309.0	287.3	254.8	238.5	233.1
65°	336.1	330.7	314.5	287.3	271.1	254.8	222.3	189.8	178.9	162.6
67.5°	276.5	276.5	265.7	238.5	227.7	206.0	168.1	146.4	119.3	108.4
70°	227.7	227.7	216.9	200.6	189.8	162.6	130.1	108.4	81.3	70.5
72.5°	184.3	184.3	173.5	162.6	151.8	135.5	108.4	81.3	54.2	43.4
75°	146.4	146.4	141.0	130.1	119.3	108.4	86.7	65.1	38.0	21.7
77.5°	119.3	119.3	113.9	108.4	97.6	86.7	70.5	54.2	27.1	10.8
80°	92.2	92.2	92.2	92.2	81.3	70.5	59.6	43.4	21.7	5.4
82.5°	65.1	65.1	70.5	81.3	65.1	54.2	54.2	43.4	16.3	5.4
85°	43.4	48.8	54.2	48.8	43.4	43.4	75.9	70.5	16.3	5.4
87.5°	21.7	21.7	21.7	21.7	21.7	16.3	21.7	16.3	10.8	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
89889.4  
*89211.7*  
88349.7  
86658.2  
84131.7  
80325.8  
76151.2  
71483.2  
65850.2  
61014.2  
56270.3  
45297.1  
38509.3  
34134.1  
29889.0  
25004.2  
19973.0  
13478.0  
7118.5  
3805.9  
2396.3  
1615.6  
1100.6  
834.9  
639.7  
509.6  
444.6  
384.9  
341.6  
319.9  
271.1  
222.3  
157.2  
103.0  
65.1  
38.0  
16.3  
10.8  
5.4  
5.4  
5.4  
0.0  
0.0

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