

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: P525386

Luminaire Tested: **IFLD-L-SA8D-940-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525386  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8D-940-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (128) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

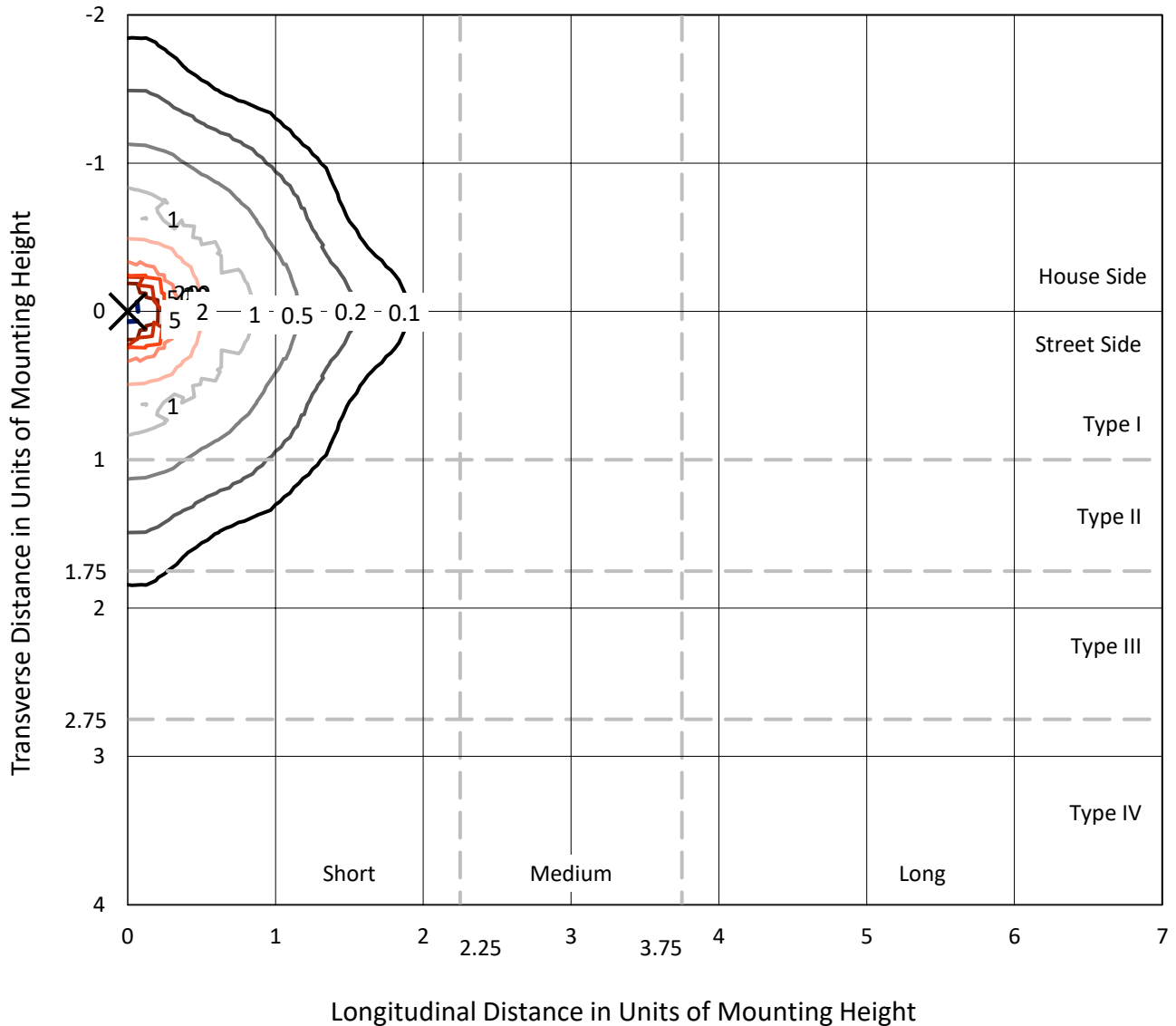
Lumens per Lamp: N/A  
Luminaire Lumens: 22866.8 lumens  
Efficiency: N/A  
Efficacy: 46.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

Input Watts (W): 488.3  
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: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

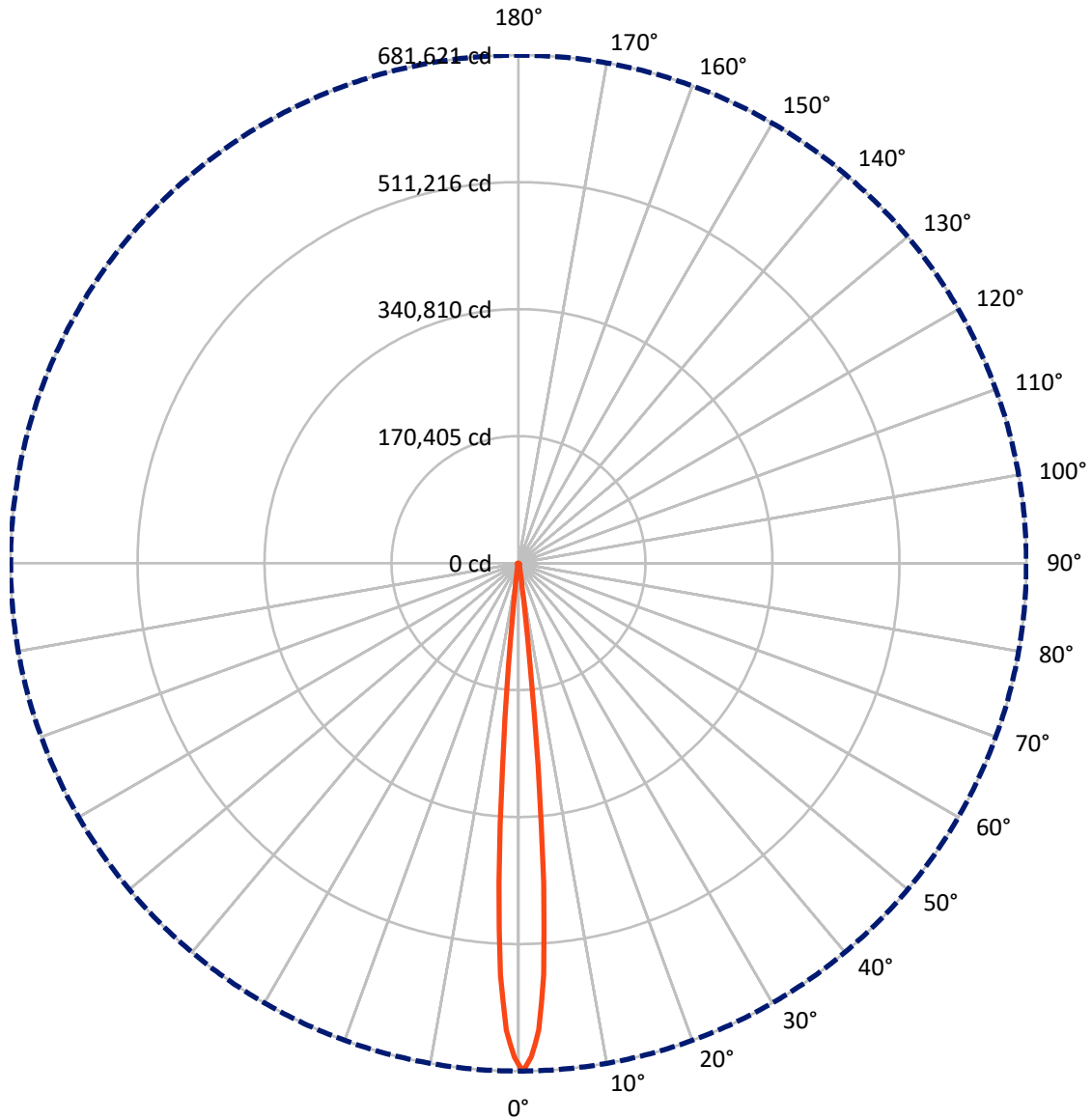
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1090.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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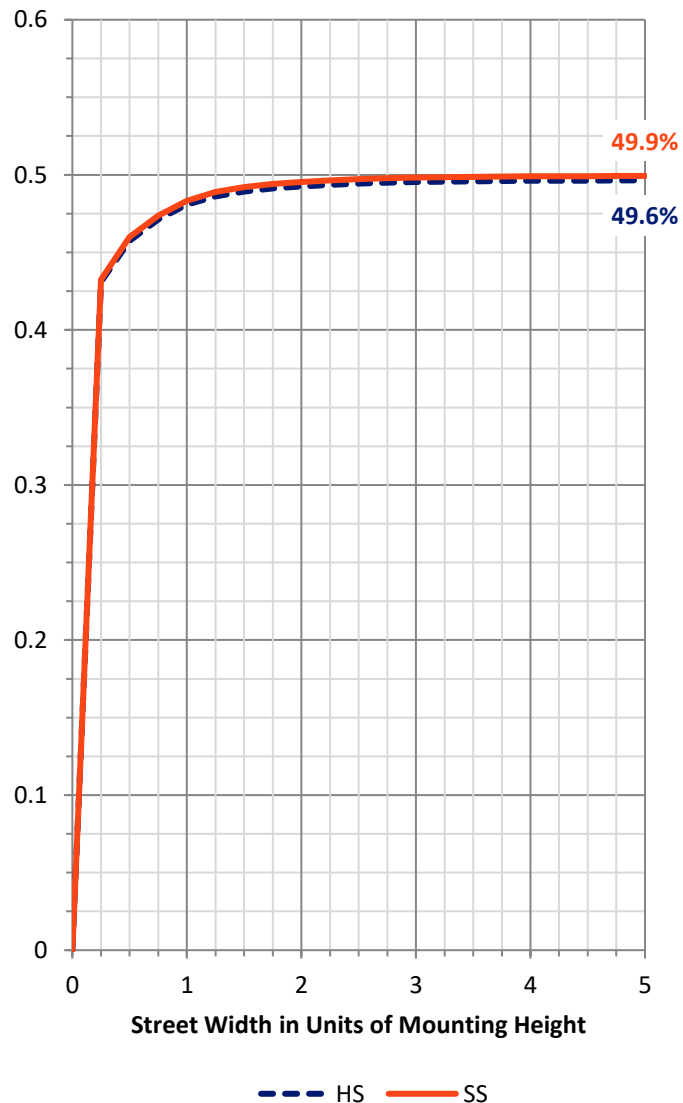
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11433.4	0.0	11433.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11433.4	0.0	11433.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22866.8	0.0	22866.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17561.6	76.8
10°-20°	1712.9	7.5
20°-30°	915.1	4.0
30°-40°	754.7	3.3
40°-50°	840.4	3.7
50°-60°	565.1	2.5
60°-70°	360.6	1.6
70°-80°	142.4	0.6
80°-90°	13.9	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°	22866.8	100.0
0°-180°	22866.8	100.0

**Coefficient of Utilization**



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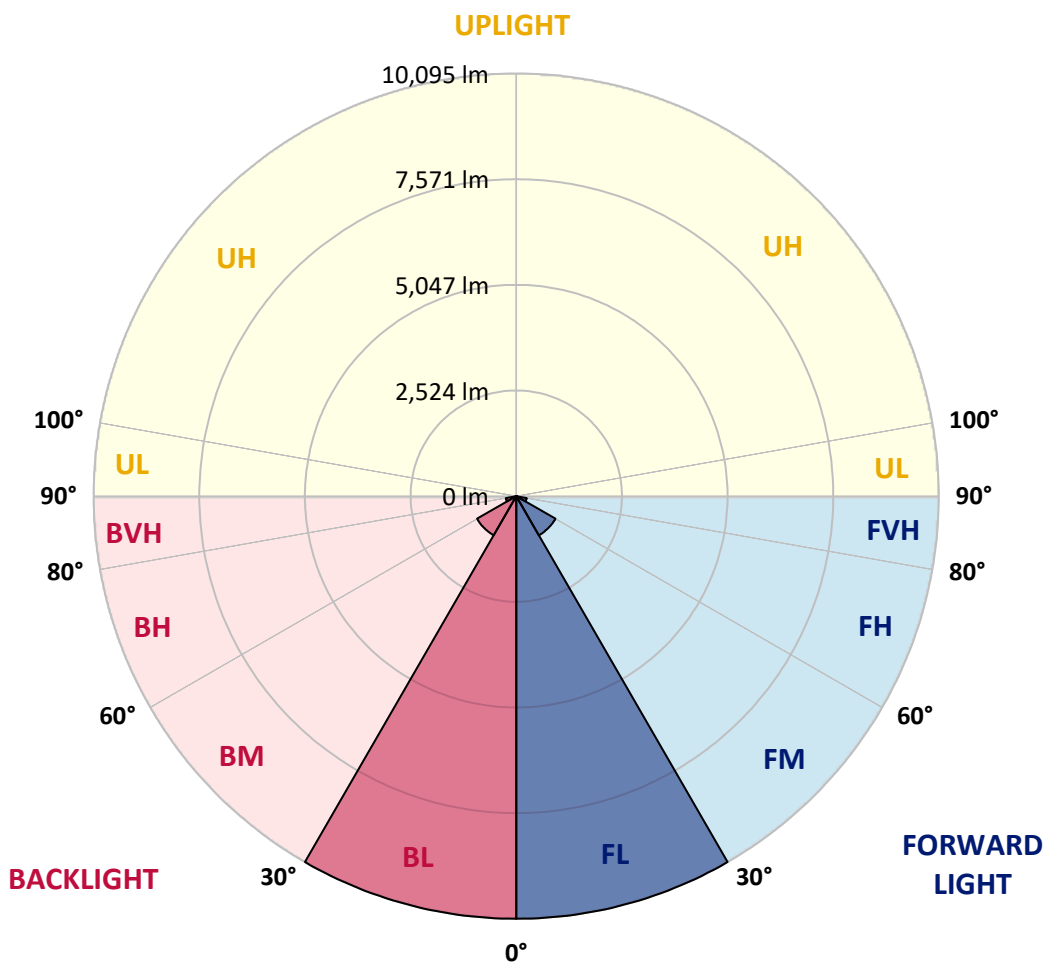
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10094.8	44.1			
FM (30°-60°)	1080.1	4.7			
FH (60°-80°)	251.5	1.1			G0/660
FVH (80°-90°)	7.0	0.0			G0/10
BL (0°-30°)	10094.8	44.1	B5		
BM (30°-60°)	1080.1	4.7	B2/2500		
BH (60°-80°)	251.5	1.1	B1/500		G0/660
BVH (80°-90°)	7.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	681620.9	681620.9	681620.9	681620.9	681620.9	681620.9	681620.9	681620.9	681620.9	681620.9
1°	662676.8	663829.2	664037.2	662664.9	659166.0	659991.7	659884.8	660068.9	659724.4	657538.3
2°	626796.4	628501.3	626707.3	622857.8	614885.7	612984.8	606634.4	599547.5	592003.1	584440.9
3°	553556.4	557144.4	554584.1	558694.9	542524.9	540891.3	527537.1	509929.6	492084.4	477625.3
4°	429192.7	435822.3	436701.5	450269.5	436986.6	441139.0	425883.9	401421.0	374724.6	354301.3
5°	273576.3	282819.6	288035.4	300759.8	306878.5	322810.9	315379.3	290827.4	259978.5	236484.0
6°	138228.7	143260.3	157273.8	171263.6	186887.1	208029.2	210892.5	189340.5	164788.5	142238.5
7°	64436.2	66515.4	76400.3	79382.4	97245.4	120181.6	123389.4	111573.8	98623.6	81146.8
8°	33296.3	34104.2	37716.0	39931.8	50351.4	63545.2	65796.6	58359.1	53060.2	44268.4
9°	20506.5	20862.9	22217.3	22716.3	26613.3	32482.5	33278.5	30165.7	28728.1	25692.5
10°	14221.5	14411.6	15047.2	15177.9	16478.9	18409.5	18480.8	17459.0	17482.8	16722.4
12.5°	7580.0	7639.4	7817.7	7835.5	8085.0	8286.9	8239.4	8245.4	8346.4	8245.4
15°	4847.4	4877.1	4984.1	5007.8	5138.5	5209.8	5174.1	5168.2	5203.8	5138.5
17.5°	3457.4	3475.2	3552.4	3617.7	3700.9	3724.7	3712.8	3700.9	3700.9	3641.5
20°	2697.0	2720.7	2774.2	2839.5	2881.1	2922.7	2928.6	2922.7	2904.9	2875.2
22.5°	2293.0	2304.9	2322.7	2352.4	2382.1	2399.9	2411.8	2417.8	2411.8	2399.9
25°	1996.0	2007.9	2043.5	2061.3	2061.3	2067.3	2091.0	2102.9	2108.9	2085.1
27.5°	1473.2	1502.9	1556.4	1586.1	1586.1	1598.0	1615.8	1639.6	1663.3	1621.7
30°	1140.6	1164.3	1223.7	1223.7	1217.8	1229.7	1247.5	1283.1	1318.8	1271.3
32.5°	1027.7	1027.7	1039.6	1045.5	1045.5	1063.3	1075.2	1104.9	1134.6	1122.7
35°	1075.2	1045.5	1009.9	1009.9	1021.8	1057.4	1063.3	1093.0	1122.7	1164.3
37.5°	1562.3	1473.2	1342.5	1318.8	1318.8	1360.4	1342.5	1360.4	1413.8	1568.3
40°	1419.8	1348.5	1271.3	1164.3	1164.3	1223.7	1182.2	1205.9	1330.7	1425.7
42.5°	1265.3	1265.3	1182.2	1081.2	1081.2	1110.9	1099.0	1110.9	1253.4	1330.7
45°	1170.3	1170.3	1146.5	986.1	1009.9	1027.7	1027.7	1027.7	1217.8	1241.6
47.5°	1116.8	1116.8	1057.4	908.9	938.6	944.5	956.4	944.5	1093.0	1176.2
50°	998.0	1009.9	908.9	802.0	837.6	837.6	855.4	831.7	944.5	1081.2
52.5°	861.4	873.2	718.8	635.6	677.2	671.3	695.0	659.4	748.5	938.6
55°	766.3	760.4	594.0	516.8	564.3	558.4	570.3	528.7	605.9	807.9
57.5°	665.3	677.2	487.1	421.8	475.2	463.4	481.2	433.7	499.0	718.8
60°	588.1	605.9	415.8	356.4	409.9	398.0	415.8	362.4	427.7	647.5
62.5°	564.3	564.3	368.3	303.0	356.4	344.5	356.4	303.0	380.2	594.0
65°	671.3	635.6	332.7	249.5	303.0	291.1	303.0	249.5	332.7	570.3
67.5°	891.1	849.5	314.8	196.0	243.6	225.7	243.6	202.0	291.1	534.6
70°	463.4	493.1	314.8	154.5	184.2	184.2	178.2	154.5	243.6	392.1
72.5°	267.3	273.3	243.6	118.8	142.6	154.5	136.6	118.8	178.2	291.1
75°	148.5	166.3	154.5	89.1	106.9	118.8	101.0	89.1	124.7	207.9
77.5°	89.1	101.0	89.1	59.4	71.3	65.3	71.3	59.4	83.2	136.6
80°	47.5	47.5	47.5	35.6	35.6	41.6	41.6	35.6	47.5	71.3
82.5°	17.8	17.8	17.8	11.9	17.8	17.8	17.8	23.8	23.8	29.7
85°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
87.5°	0.0	0.0	0.0	0.0	0.0	5.9	5.9	5.9	5.9	5.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
681620.9  
659694.7  
588795.2  
483108.4  
359035.8  
239495.8  
143925.6  
83261.6  
45462.4  
26351.9  
17072.9  
8358.2  
5186.0  
3659.3  
2881.1  
2405.9  
2085.1  
1615.8  
1259.4  
1122.7  
1188.1  
1645.5  
1514.8  
1336.6  
1235.6  
1158.4  
1069.3  
914.8  
796.0  
701.0  
629.7  
588.1  
570.3  
528.7  
386.1  
285.1  
184.2  
101.0  
59.4  
29.7  
5.9  
5.9  
0.0

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