

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: P525372

Luminaire Tested: **IFLD-S-SA6E-940-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525372  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6E-940-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (96) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

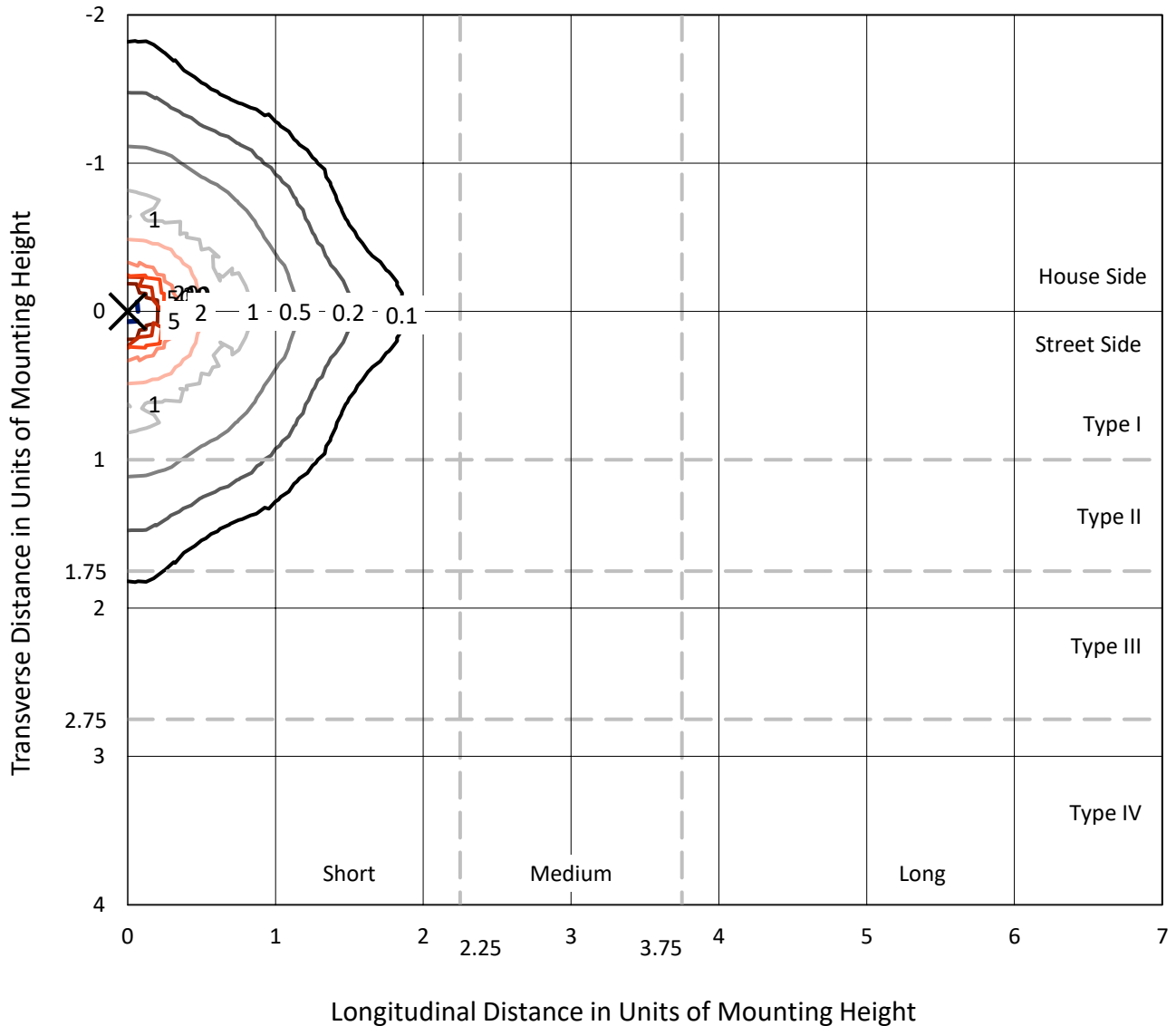
Lumens per Lamp: N/A  
Luminaire Lumens: 22064.1 lumens  
Efficiency: N/A  
Efficacy: 47.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

Input Watts (W): 464.2  
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

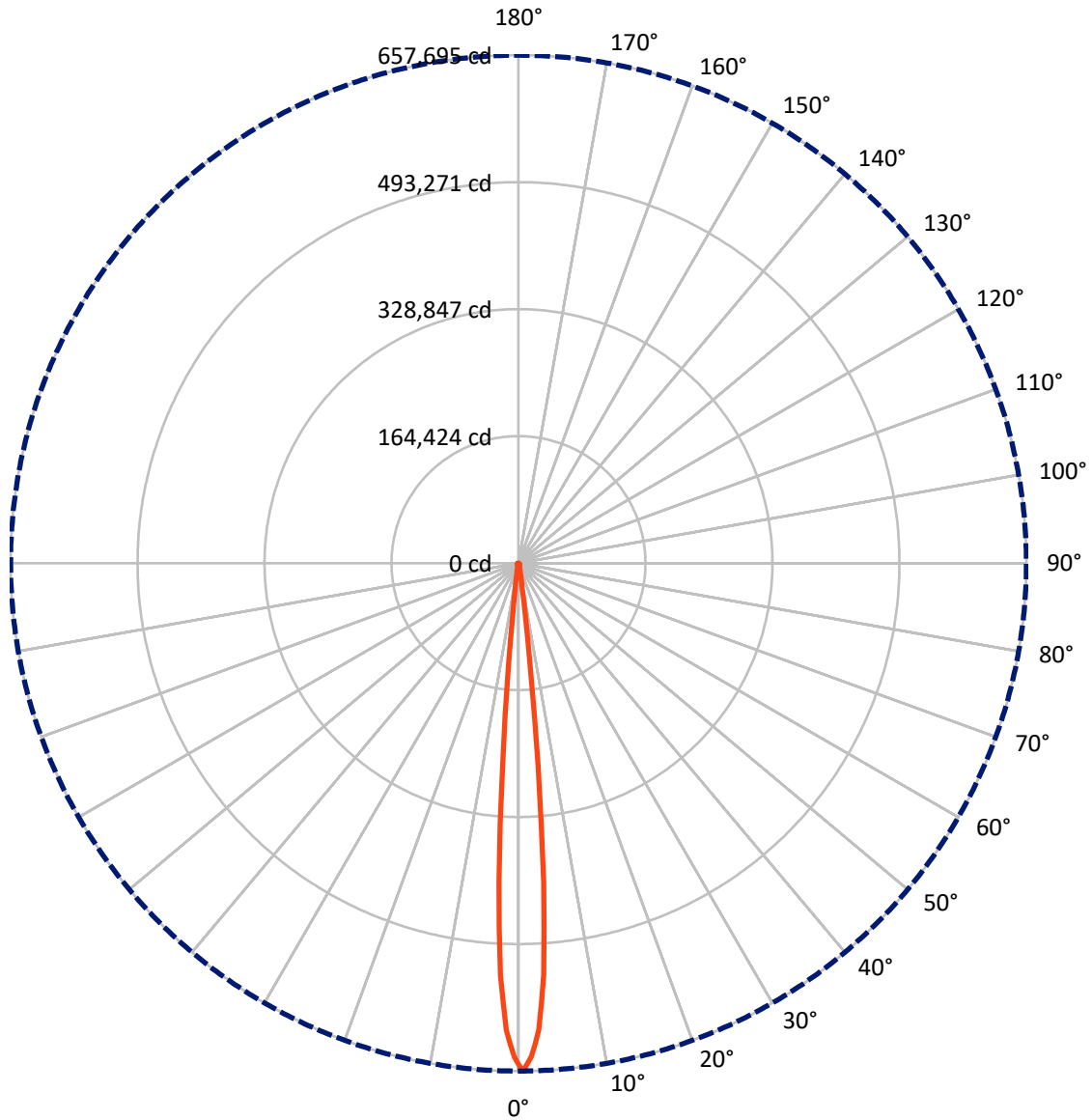
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1052.3 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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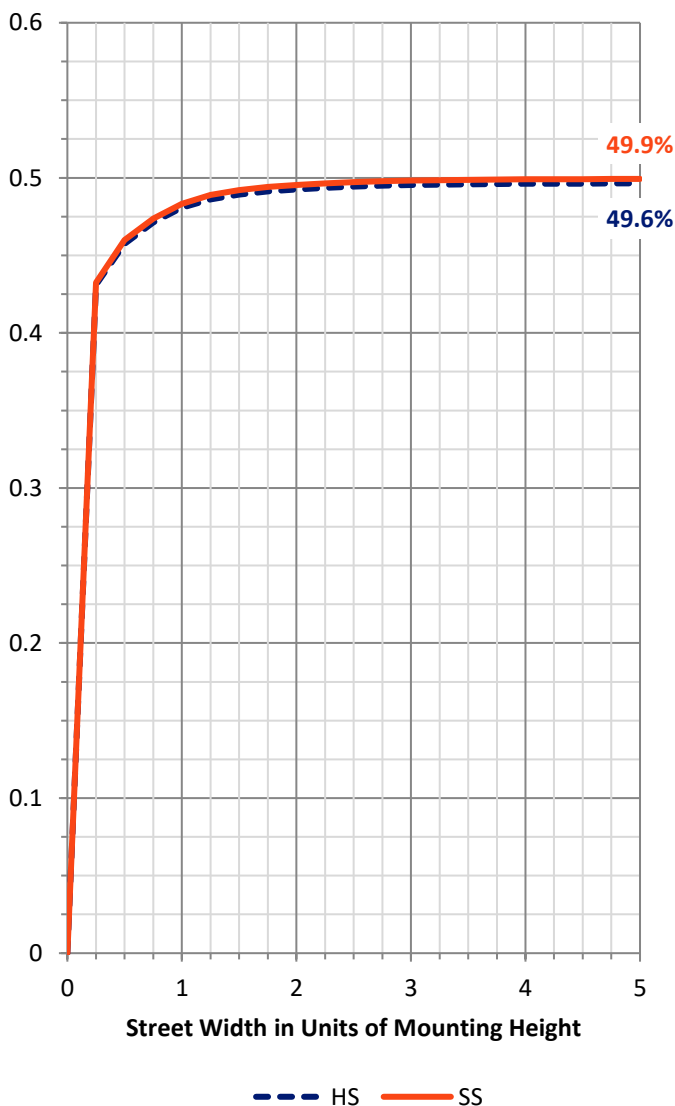
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11032.1	0.0	11032.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11032.1	0.0	11032.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22064.1	0.0	22064.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16945.2	76.8
10°-20°	1652.8	7.5
20°-30°	883.0	4.0
30°-40°	728.2	3.3
40°-50°	810.9	3.7
50°-60°	545.3	2.5
60°-70°	348.0	1.6
70°-80°	137.4	0.6
80°-90°	13.4	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°	22064.1	100.0
0°-180°	22064.1	100.0

**Coefficient of Utilization**



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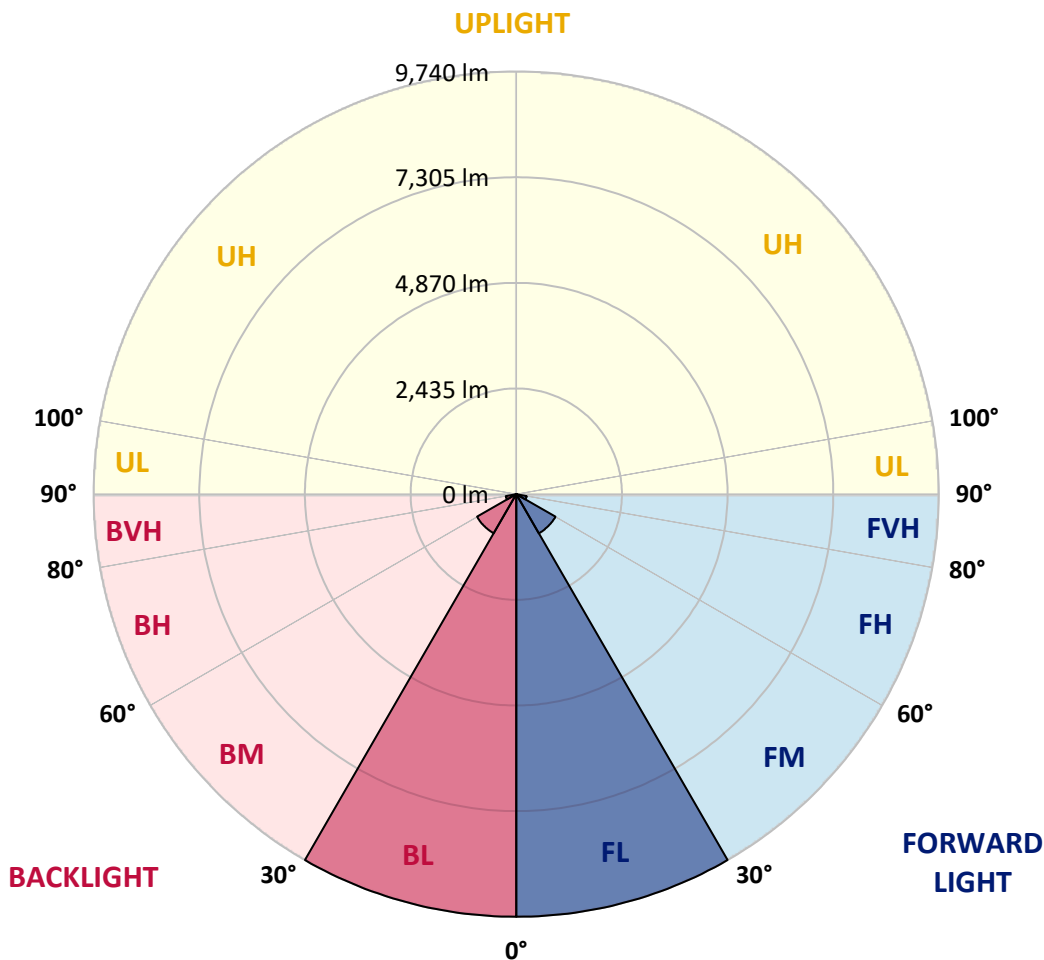
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9740.5	44.1			
FM (30°-60°)	1042.2	4.7			
FH (60°-80°)	242.7	1.1			G0/660
FVH (80°-90°)	6.7	0.0			G0/10
BL (0°-30°)	9740.5	44.1	B5		
BM (30°-60°)	1042.2	4.7	B2/2500		
BH (60°-80°)	242.7	1.1	B1/500		G0/660
BVH (80°-90°)	6.7	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°	657694.6	657694.6	657694.6	657694.6	657694.6	657694.6	657694.6	657694.6	657694.6	657694.6
1°	639415.4	640527.4	640728.1	639404.0	636027.9	636824.6	636721.4	636899.1	636566.7	634457.3
2°	604794.5	606439.6	604708.5	600994.2	593302.0	591467.7	585340.3	578502.1	571222.5	563925.8
3°	534125.4	537587.5	535117.0	539083.5	523481.2	521904.9	509019.5	492030.0	474811.2	460859.7
4°	414127.2	420524.0	421372.3	434464.1	421647.5	425654.1	410934.5	387330.3	361571.0	341864.6
5°	263973.2	272892.1	277924.7	290202.5	296106.4	311479.5	304308.9	280618.7	250852.8	228182.9
6°	133376.6	138231.5	151753.2	165251.9	180326.9	200726.9	203489.7	182694.2	159004.1	137245.6
7°	62174.4	64180.6	73718.5	76596.0	93831.9	115962.9	119058.2	107657.4	95161.7	78298.3
8°	32127.5	32907.1	36392.1	38530.1	48583.9	61314.6	63487.0	56310.6	51197.7	42714.4
9°	19786.7	20130.6	21437.5	21919.0	25679.1	31342.3	32110.3	29106.8	27719.7	24790.7
10°	13722.3	13905.7	14519.0	14645.1	15900.4	17763.3	17832.1	16846.2	16869.1	16135.4
12.5°	7314.0	7371.3	7543.2	7560.4	7801.2	7996.1	7950.2	7955.9	8053.4	7955.9
15°	4677.3	4705.9	4809.1	4832.0	4958.1	5026.9	4992.5	4986.8	5021.2	4958.1
17.5°	3336.0	3353.2	3427.7	3490.8	3571.0	3593.9	3582.5	3571.0	3571.0	3513.7
20°	2602.3	2625.2	2676.8	2739.9	2780.0	2820.1	2825.8	2820.1	2802.9	2774.3
22.5°	2212.5	2224.0	2241.2	2269.8	2298.5	2315.7	2327.2	2332.9	2327.2	2315.7
25°	1925.9	1937.4	1971.8	1989.0	1989.0	1994.7	2017.6	2029.1	2034.8	2011.9
27.5°	1421.5	1450.2	1501.8	1530.4	1530.4	1541.9	1559.1	1582.0	1604.9	1564.8
30°	1100.5	1123.5	1180.8	1180.8	1175.0	1186.5	1203.7	1238.1	1272.5	1226.6
32.5°	991.6	991.6	1003.1	1008.8	1008.8	1026.0	1037.5	1066.1	1094.8	1083.3
35°	1037.5	1008.8	974.4	974.4	985.9	1020.3	1026.0	1054.7	1083.3	1123.5
37.5°	1507.5	1421.5	1295.4	1272.5	1272.5	1312.6	1295.4	1312.6	1364.2	1513.2
40°	1369.9	1301.2	1226.6	1123.5	1123.5	1180.8	1140.7	1163.6	1284.0	1375.7
42.5°	1220.9	1220.9	1140.7	1043.2	1043.2	1071.9	1060.4	1071.9	1209.4	1284.0
45°	1129.2	1129.2	1106.3	951.5	974.4	991.6	991.6	991.6	1175.0	1198.0
47.5°	1077.6	1077.6	1020.3	877.0	905.6	911.4	922.8	911.4	1054.7	1134.9
50°	963.0	974.4	877.0	773.8	808.2	808.2	825.4	802.5	911.4	1043.2
52.5°	831.1	842.6	693.6	613.3	653.4	647.7	670.6	636.2	722.2	905.6
55°	739.4	733.7	573.2	498.7	544.5	538.8	550.3	510.1	584.7	779.5
57.5°	642.0	653.4	470.0	407.0	458.6	447.1	464.3	418.4	481.5	693.6
60°	567.5	584.7	401.2	343.9	395.5	384.0	401.2	349.6	412.7	624.8
62.5°	544.5	544.5	355.4	292.3	343.9	332.5	343.9	292.3	366.8	573.2
65°	647.7	613.3	321.0	240.7	292.3	280.9	292.3	240.7	321.0	550.3
67.5°	859.8	819.7	303.8	189.2	235.0	217.8	235.0	194.9	280.9	515.9
70°	447.1	475.8	303.8	149.0	177.7	177.7	172.0	149.0	235.0	378.3
72.5°	257.9	263.7	235.0	114.6	137.6	149.0	131.8	114.6	172.0	280.9
75°	143.3	160.5	149.0	86.0	103.2	114.6	97.4	86.0	120.4	200.6
77.5°	86.0	97.4	86.0	57.3	68.8	63.1	68.8	57.3	80.2	131.8
80°	45.9	45.9	45.9	34.4	34.4	40.1	40.1	34.4	45.9	68.8
82.5°	17.2	17.2	17.2	11.5	17.2	17.2	17.2	22.9	22.9	28.7
85°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
87.5°	0.0	0.0	0.0	0.0	0.0	5.7	5.7	5.7	5.7	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°

657694.6

636538.0  
568127.3  
466150.3  
346432.9  
231089.0  
138873.5  
80338.9  
43866.6  
25426.9  
16473.6  
8064.8  
5004.0  
3530.9  
2780.0  
2321.4  
2011.9  
1559.1  
1215.2  
1083.3  
1146.4  
1587.7  
1461.6  
1289.7  
1192.2  
1117.7  
1031.7  
882.7  
768.1  
676.4  
607.6  
567.5  
550.3  
510.1  
372.6  
275.1  
177.7  
97.4  
57.3  
28.7  
5.7  
5.7  
0.0

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