

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: P636344

Luminaire Tested: **IFLD-S-SA6D-935-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636344  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-935-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (96) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

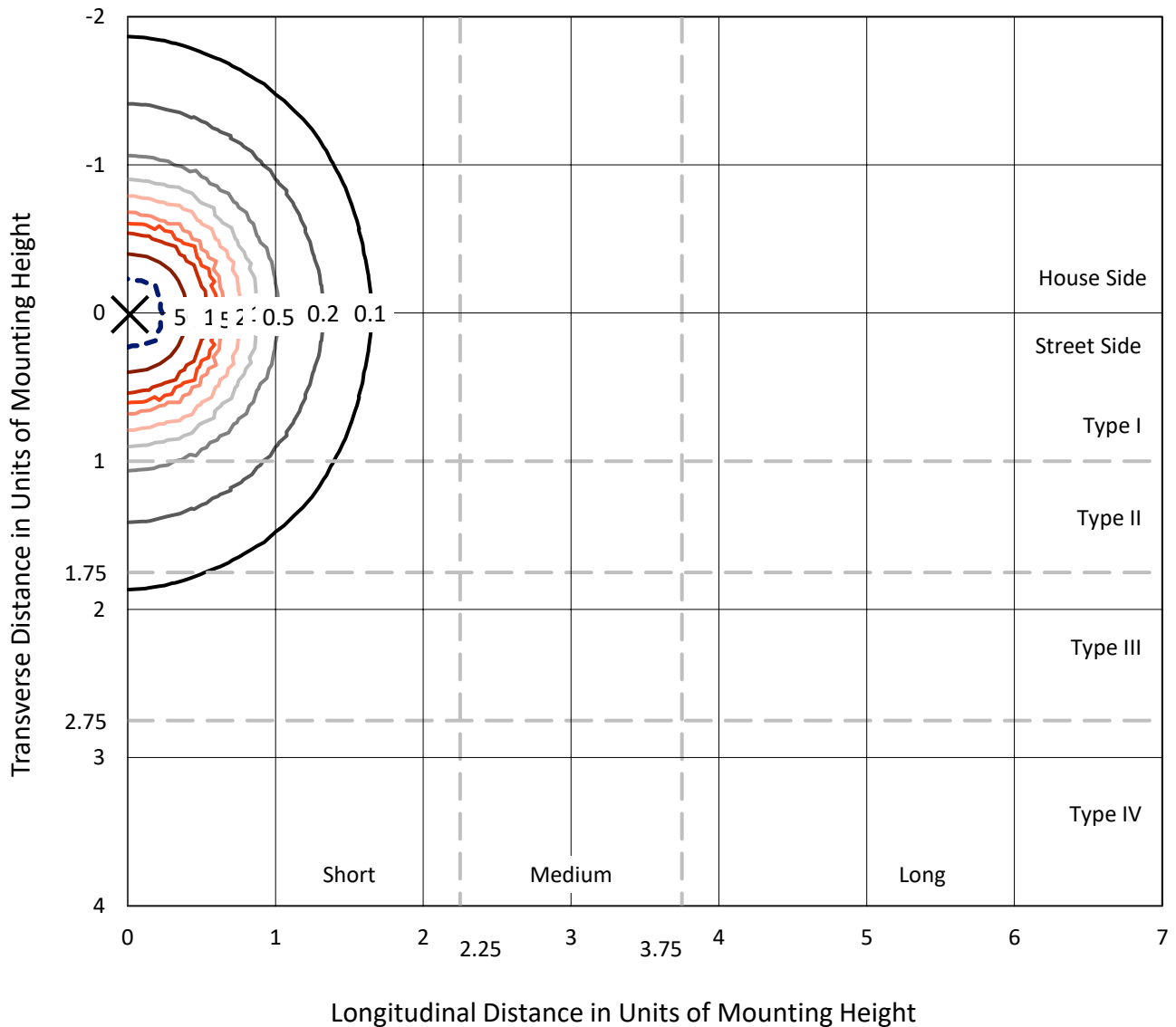
Lumens per Lamp: N/A  
Luminaire Lumens: 28382.9 lumens  
Efficiency: N/A  
Efficacy: 77.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1  
  
Input Watts (W): 368.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

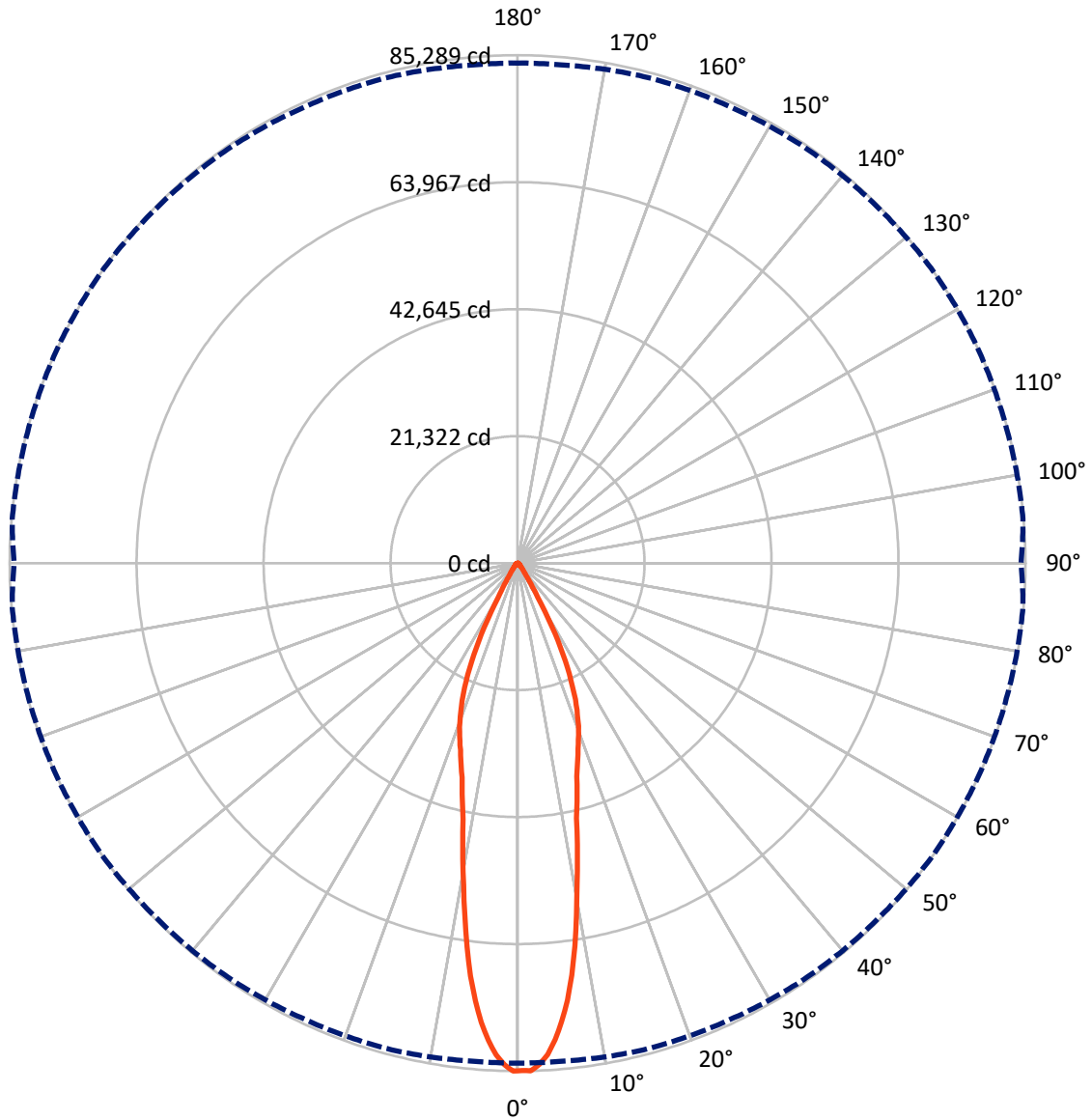
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 213 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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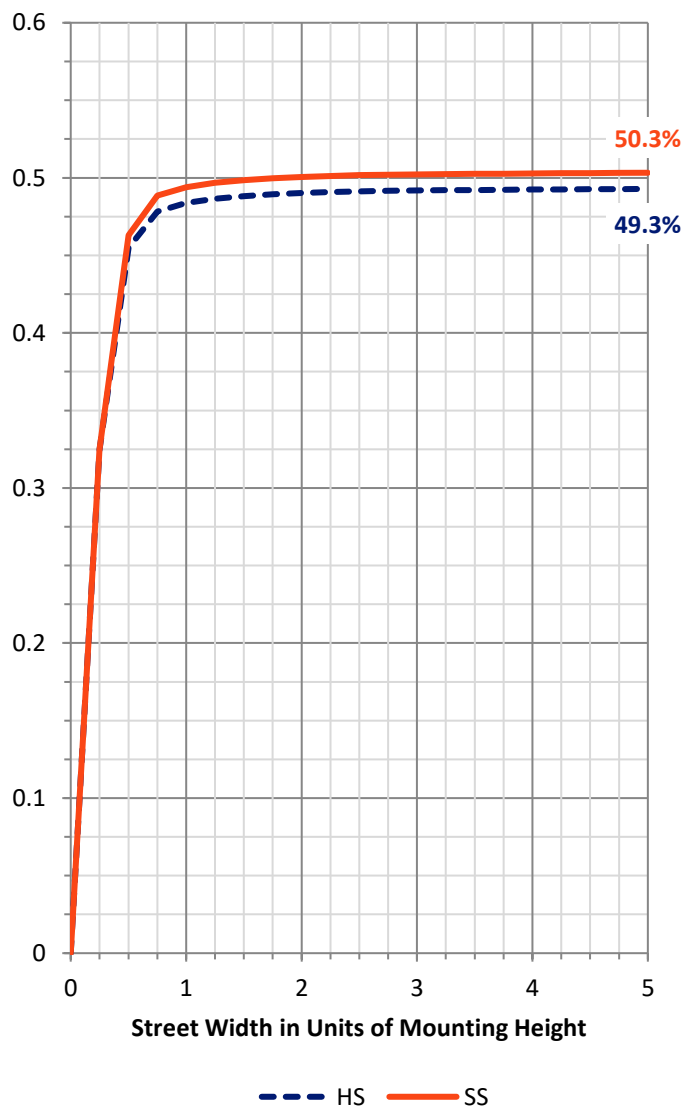
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14191.4	0.0	14191.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14191.4	0.0	14191.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28382.9	0.0	28382.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6481.8	22.8
10°-20°	10586.6	37.3
20°-30°	8272.7	29.1
30°-40°	1803.2	6.4
40°-50°	533.9	1.9
50°-60°	333.9	1.2
60°-70°	233.5	0.8
70°-80°	100.2	0.4
80°-90°	37.0	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°	28382.9	100.0
0°-180°	28382.9	100.0



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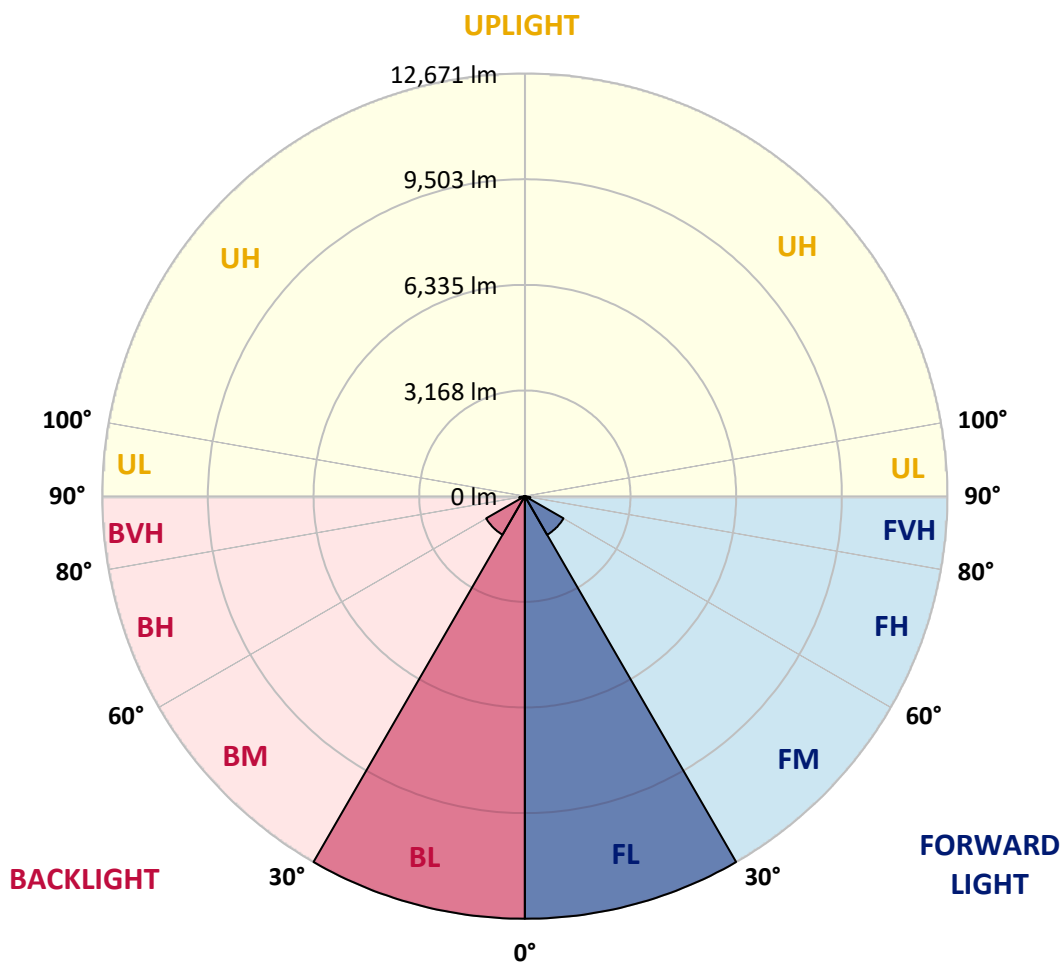
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12670.6	44.6			
FM (30°-60°)	1335.5	4.7			
FH (60°-80°)	166.9	0.6			G0/660
FVH (80°-90°)	18.5	0.1			G1/100
BL (0°-30°)	12670.6	44.6	B5		
BM (30°-60°)	1335.5	4.7	B2/2500		
BH (60°-80°)	166.9	0.6	B1/500		G0/660
BVH (80°-90°)	18.5	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°	85191.5	85191.5	85191.5	85191.5	85191.5	85191.5	85191.5	85191.5	85191.5	85191.5
1°	83958.3	83968.6	84425.9	84528.7	84842.1	85001.4	85289.1	85258.3	85171.0	85181.2
2°	82411.7	82344.9	82771.4	83244.1	83619.2	83927.5	84271.8	84343.7	84261.5	84338.6
3°	79868.3	79770.7	80366.7	80957.6	81610.2	82139.4	82658.4	82678.9	82581.3	82576.2
4°	76523.3	76343.5	77052.6	78105.9	78928.0	79632.0	80279.4	80269.1	80135.5	80243.4
5°	72479.6	72253.5	73173.2	74560.5	75778.3	76626.1	77340.3	77170.8	76862.5	76877.9
6°	67516.1	67737.0	68862.3	70809.7	72248.4	72952.3	73830.9	73512.4	72978.0	72921.5
7°	62850.6	63349.0	64248.2	66596.3	68307.3	69047.3	69792.3	69150.0	68425.5	68307.3
8°	57938.4	58770.8	60014.3	62177.5	64001.5	64746.6	65029.2	64340.7	63564.8	63534.0
9°	53956.3	54526.7	55595.4	57501.7	59356.6	59855.0	59916.7	59315.5	58539.6	58591.0
10°	50333.9	50441.8	51366.7	53005.8	54490.7	54845.2	54829.8	54393.1	53755.9	53925.5
12.5°	42225.8	42518.7	42785.9	43310.0	43808.4	44039.6	43952.2	43772.4	43423.0	43438.4
15°	36722.8	36717.6	36748.5	36990.0	37139.0	37164.7	37164.7	36938.6	36789.6	37010.5
17.5°	31867.2	32134.4	32612.2	32807.5	33002.7	32930.8	32797.2	32694.4	32596.8	32786.9
20°	28090.6	28208.8	28213.9	28342.4	29328.9	29380.3	29210.7	28917.8	28671.2	28625.0
22.5°	23841.3	24021.1	24098.2	24211.2	24314.0	25064.2	24863.8	24391.1	24098.2	24010.9
25°	17896.4	17834.7	18338.3	19263.1	19412.2	19504.6	19453.3	19206.6	19016.5	19052.5
27.5°	12367.7	12475.6	12455.0	12465.3	13446.7	13441.6	13426.1	13210.3	13153.8	13071.6
30°	6916.0	6864.6	6890.3	6823.5	6684.8	6854.4	6582.0	6813.3	6587.2	6659.1
32.5°	4090.0	4054.0	4018.1	4033.5	3930.7	3679.0	3571.1	3730.3	3679.0	3658.4
35°	2610.2	2625.6	2671.9	2666.7	2574.2	2430.4	2276.2	2420.1	2399.5	2337.9
37.5°	1664.8	1664.8	1680.2	1813.8	1736.7	1613.4	1505.5	1567.2	1562.0	1551.7
40°	1181.8	1181.8	1202.3	1238.3	1197.2	1135.5	1073.9	1073.9	1084.2	1053.3
42.5°	878.6	878.6	899.2	919.7	868.4	847.8	817.0	796.4	822.1	796.4
45°	688.5	683.4	688.5	678.2	647.4	647.4	621.7	590.9	621.7	606.3
47.5°	565.2	560.1	554.9	534.4	503.5	508.7	498.4	472.7	488.1	483.0
50°	493.3	483.0	488.1	467.6	441.9	436.7	436.7	411.1	416.2	416.2
52.5°	431.6	431.6	426.5	416.2	405.9	385.4	390.5	364.8	364.8	364.8
55°	405.9	405.9	395.6	375.1	380.2	364.8	349.4	334.0	328.8	328.8
57.5°	400.8	400.8	395.6	375.1	359.7	354.5	334.0	313.4	298.0	303.2
60°	390.5	390.5	380.2	375.1	349.4	339.1	308.3	292.9	272.3	272.3
62.5°	375.1	370.0	349.4	318.6	318.6	292.9	272.3	241.5	226.1	220.9
65°	318.6	313.4	298.0	272.3	256.9	241.5	210.7	179.8	169.6	154.1
67.5°	262.0	262.0	251.8	226.1	215.8	195.3	159.3	138.7	113.0	102.8
70°	215.8	215.8	205.5	190.1	179.8	154.1	123.3	102.8	77.1	66.8
72.5°	174.7	174.7	164.4	154.1	143.9	128.5	102.8	77.1	51.4	41.1
75°	138.7	138.7	133.6	123.3	113.0	102.8	82.2	61.7	36.0	20.6
77.5°	113.0	113.0	107.9	102.8	92.5	82.2	66.8	51.4	25.7	10.3
80°	87.3	87.3	87.3	87.3	77.1	66.8	56.5	41.1	20.6	5.1
82.5°	61.7	61.7	66.8	77.1	61.7	51.4	51.4	41.1	15.4	5.1
85°	41.1	46.2	51.4	46.2	41.1	41.1	71.9	66.8	15.4	5.1
87.5°	20.6	20.6	20.6	20.6	20.6	15.4	20.6	15.4	10.3	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°  
85191.5  
*84549.2*  
83732.3  
82129.1  
79734.7  
76127.7  
72171.3  
67747.3  
62408.7  
57825.4  
53329.5  
42929.7  
36496.7  
32350.2  
28326.9  
23697.4  
18929.2  
12773.6  
6746.5  
3607.0  
2271.1  
1531.2  
1043.1  
791.3  
606.3  
483.0  
421.3  
364.8  
323.7  
303.2  
256.9  
210.7  
149.0  
97.6  
61.7  
36.0  
15.4  
10.3  
5.1  
5.1  
5.1  
0.0  
0.0

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