

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: P636080

Luminaire Tested: **IFLD-S-SA6A-940-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636080  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-940-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (96) 4000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18532 lumens  
Efficiency: N/A  
Efficacy: 97.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

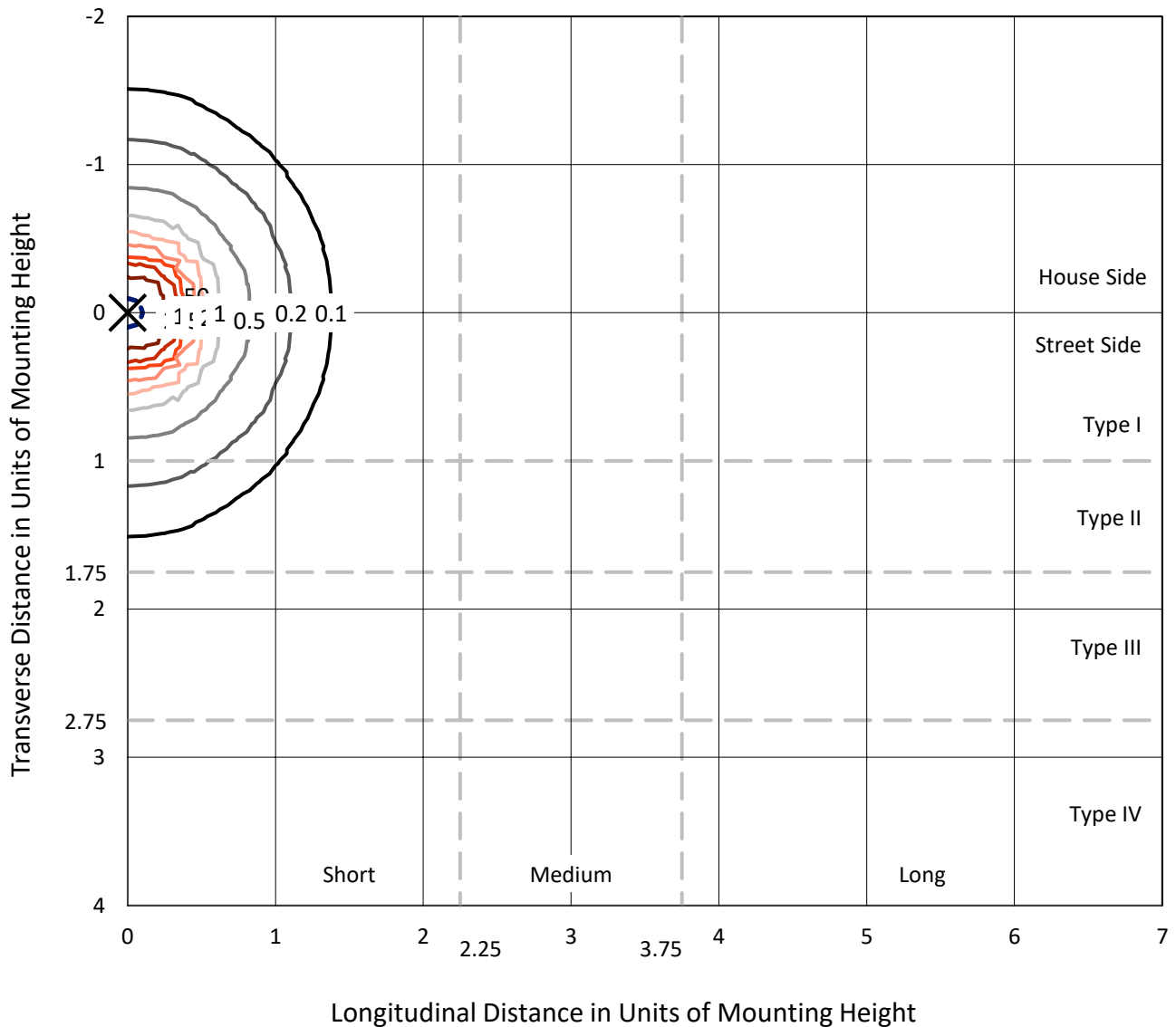
Input Watts (W): 189.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

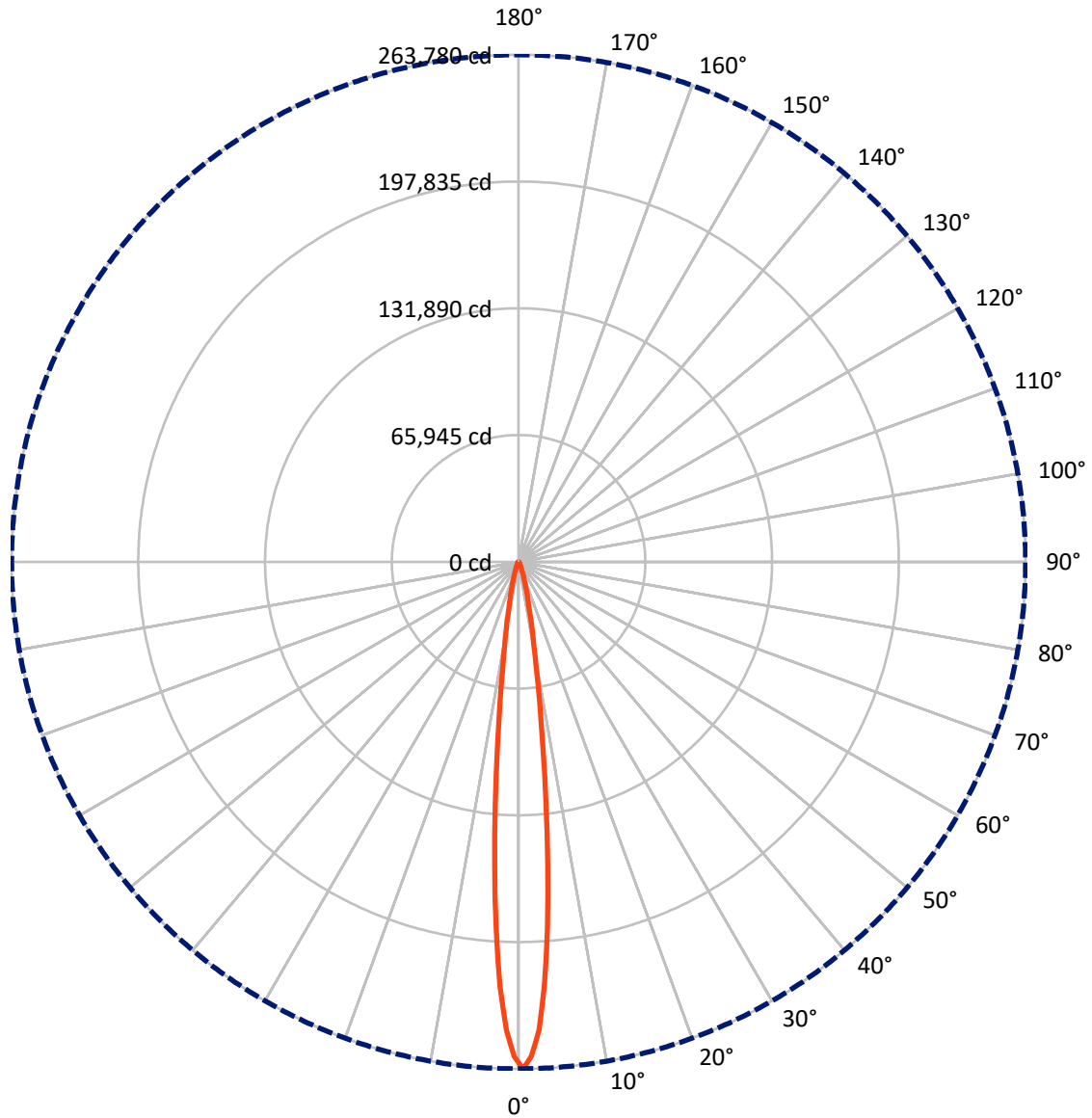
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 659.4 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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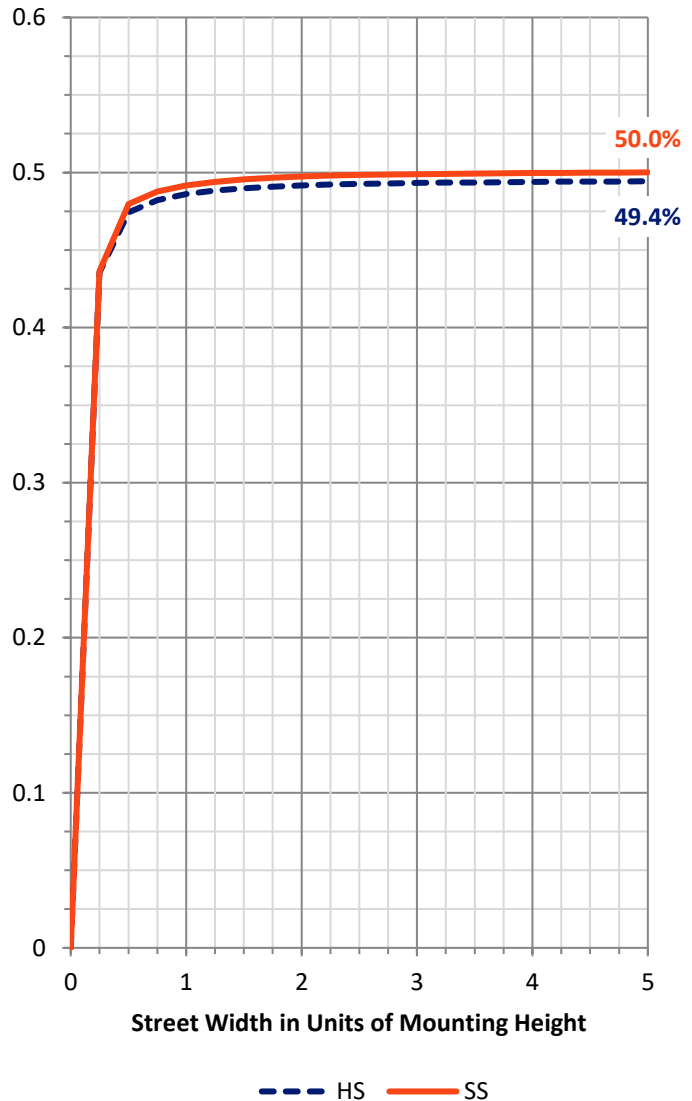
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9266.0	0.0	9266.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9266.0	0.0	9266.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18532.0	0.0	18532.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11296.8	61.0
10°-20°	5061.0	27.3
20°-30°	1130.2	6.1
30°-40°	368.9	2.0
40°-50°	254.4	1.4
50°-60°	192.2	1.0
60°-70°	131.5	0.7
70°-80°	69.3	0.4
80°-90°	27.6	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°	18532.0	100.0
0°-180°	18532.0	100.0

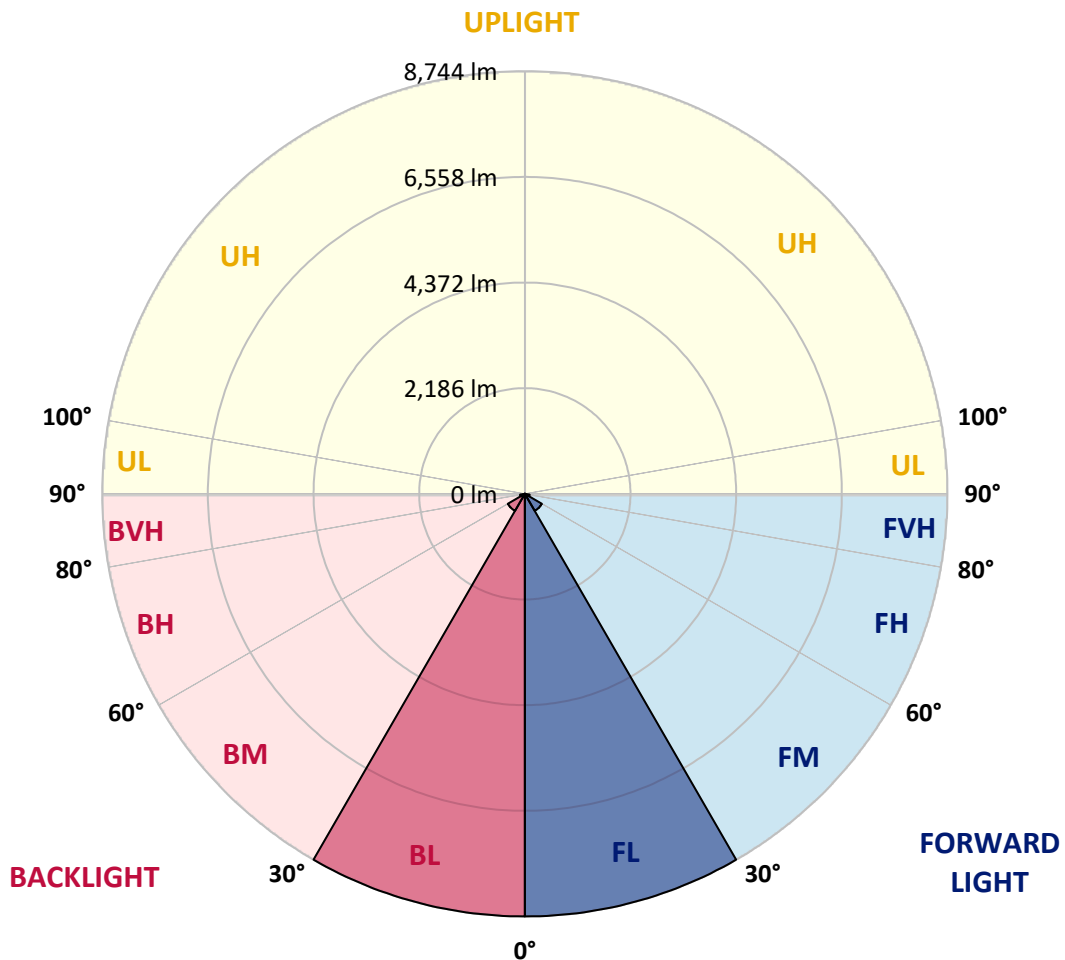


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8744.0	47.2			
FM (30°-60°)	407.8	2.2			
FH (60°-80°)	100.4	0.5			G0/660
FVH (80°-90°)	13.8	0.1			G1/100
BL (0°-30°)	8744.0	47.2	B5		
BM (30°-60°)	407.8	2.2	B1/1000		
BH (60°-80°)	100.4	0.5	B0/110		G0/660
BVH (80°-90°)	13.8	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°	263779.6	263779.6	263779.6	263779.6	263779.6	263779.6	263779.6	263779.6	263779.6	263779.6
1°	257230.6	257580.5	257190.9	259158.3	259970.3	260392.8	260442.4	261551.5	260696.5	260934.2
2°	243673.7	244452.7	243148.8	244409.8	246931.7	247885.7	246330.9	248252.1	247565.5	247964.9
3°	220894.1	221848.0	220045.7	221587.3	224832.1	225558.3	223010.0	225739.8	225670.5	226244.9
4°	191532.4	193080.5	190505.8	192331.2	193767.1	196295.6	193826.5	196932.7	196873.3	197870.2
5°	158203.0	159876.6	157638.6	159533.3	160893.3	161834.1	160929.6	164365.9	164583.7	165613.6
6°	125590.0	127151.3	124652.5	126461.4	128616.9	129003.1	128768.8	131726.4	132383.3	131581.2
7°	96654.2	97043.7	96650.8	98294.7	100024.4	100087.1	100390.8	102991.9	103569.6	103292.3
8°	74023.1	72240.6	73772.2	74643.6	75178.4	77634.3	77815.8	79126.3	80189.2	80265.1
9°	56346.7	54696.2	56468.8	56815.4	58043.3	60225.2	59951.3	61383.9	62050.6	62007.7
10°	42958.1	42119.7	43007.6	43390.6	44400.6	46249.1	46569.3	47226.2	47721.4	48044.8
12.5°	23311.1	23505.8	24020.8	24423.5	25783.5	26275.3	26473.4	26529.5	26526.2	26579.0
15°	14481.1	14639.6	14999.4	15728.9	16557.4	17168.1	17253.9	16937.0	16663.0	16620.1
17.5°	9031.3	8968.6	9813.6	10612.4	11609.3	11926.2	11596.1	11233.0	10860.0	10645.5
20°	5420.1	5463.0	5750.2	6106.7	6912.1	7460.1	7116.8	6747.1	6360.9	6106.7
22.5°	3079.8	3126.0	3251.4	3436.3	3743.2	4241.7	4023.8	3650.8	3376.8	3264.6
25°	1818.8	1818.8	1894.7	1977.2	2106.0	2221.5	2175.3	1977.2	1815.5	1769.3
27.5°	1178.4	1168.5	1194.9	1234.5	1294.0	1300.6	1247.7	1188.3	1105.8	1076.1
30°	861.5	864.8	861.5	878.0	874.7	851.6	818.6	821.9	788.9	785.6
32.5°	699.8	703.1	703.1	699.8	683.3	647.0	623.9	647.0	640.4	633.8
35°	581.0	584.3	617.3	614.0	587.6	548.0	531.4	557.9	577.7	548.0
37.5°	501.7	505.0	531.4	544.7	511.6	485.2	465.4	488.5	518.2	485.2
40°	442.3	445.6	452.2	455.5	439.0	425.8	415.9	422.5	435.7	419.2
42.5°	389.5	386.2	389.5	386.2	366.4	373.0	366.4	356.5	366.4	353.2
45°	340.0	340.0	340.0	330.1	310.3	323.5	316.9	307.0	310.3	300.4
47.5°	310.3	310.3	310.3	297.1	280.6	280.6	283.9	267.4	270.7	267.4
50°	280.6	280.6	287.2	274.0	260.8	250.9	254.2	241.0	244.3	241.0
52.5°	257.5	257.5	257.5	250.9	241.0	234.4	227.8	221.2	217.9	214.6
55°	247.6	247.6	244.3	224.5	221.2	214.6	201.4	198.1	191.5	188.2
57.5°	231.1	231.1	227.8	211.3	198.1	198.1	178.2	174.9	165.0	165.0
60°	204.7	204.7	201.4	198.1	181.6	171.6	158.4	151.8	141.9	138.6
62.5°	194.8	194.8	188.2	171.6	168.3	151.8	138.6	125.4	118.8	112.2
65°	181.6	178.2	174.9	158.4	145.2	135.3	118.8	102.3	95.7	82.5
67.5°	161.7	161.7	158.4	145.2	132.0	115.5	99.0	85.8	69.3	59.4
70°	141.9	138.6	138.6	125.4	115.5	102.3	79.2	66.0	49.5	39.6
72.5°	118.8	118.8	115.5	105.6	99.0	89.1	69.3	52.8	33.0	26.4
75°	95.7	95.7	92.4	85.8	82.5	72.6	59.4	46.2	26.4	13.2
77.5°	79.2	75.9	75.9	69.3	66.0	59.4	49.5	36.3	19.8	9.9
80°	59.4	59.4	62.7	59.4	52.8	49.5	42.9	33.0	16.5	6.6
82.5°	42.9	42.9	46.2	46.2	46.2	42.9	42.9	33.0	16.5	3.3
85°	29.7	29.7	36.3	33.0	33.0	36.3	52.8	42.9	13.2	3.3
87.5°	16.5	16.5	16.5	13.2	13.2	16.5	19.8	16.5	6.6	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
263779.6  
259188.0  
246538.9  
224703.3  
196120.7  
163646.3  
131663.7  
102912.7  
79307.8  
63017.8  
48236.3  
26621.9  
16488.1  
10612.4  
6162.8  
3277.8  
1762.7  
1076.1  
782.3  
620.6  
541.4  
481.9  
412.6  
353.2  
300.4  
267.4  
241.0  
214.6  
184.9  
165.0  
132.0  
108.9  
79.2  
59.4  
39.6  
23.1  
13.2  
6.6  
3.3  
3.3  
3.3  
3.3  
0.0

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