

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: P636414

Luminaire Tested: **IFLD-L-SA8A-950-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636414  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8A-950-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (128) 5000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23142.1 lumens  
Efficiency: N/A  
Efficacy: 93.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

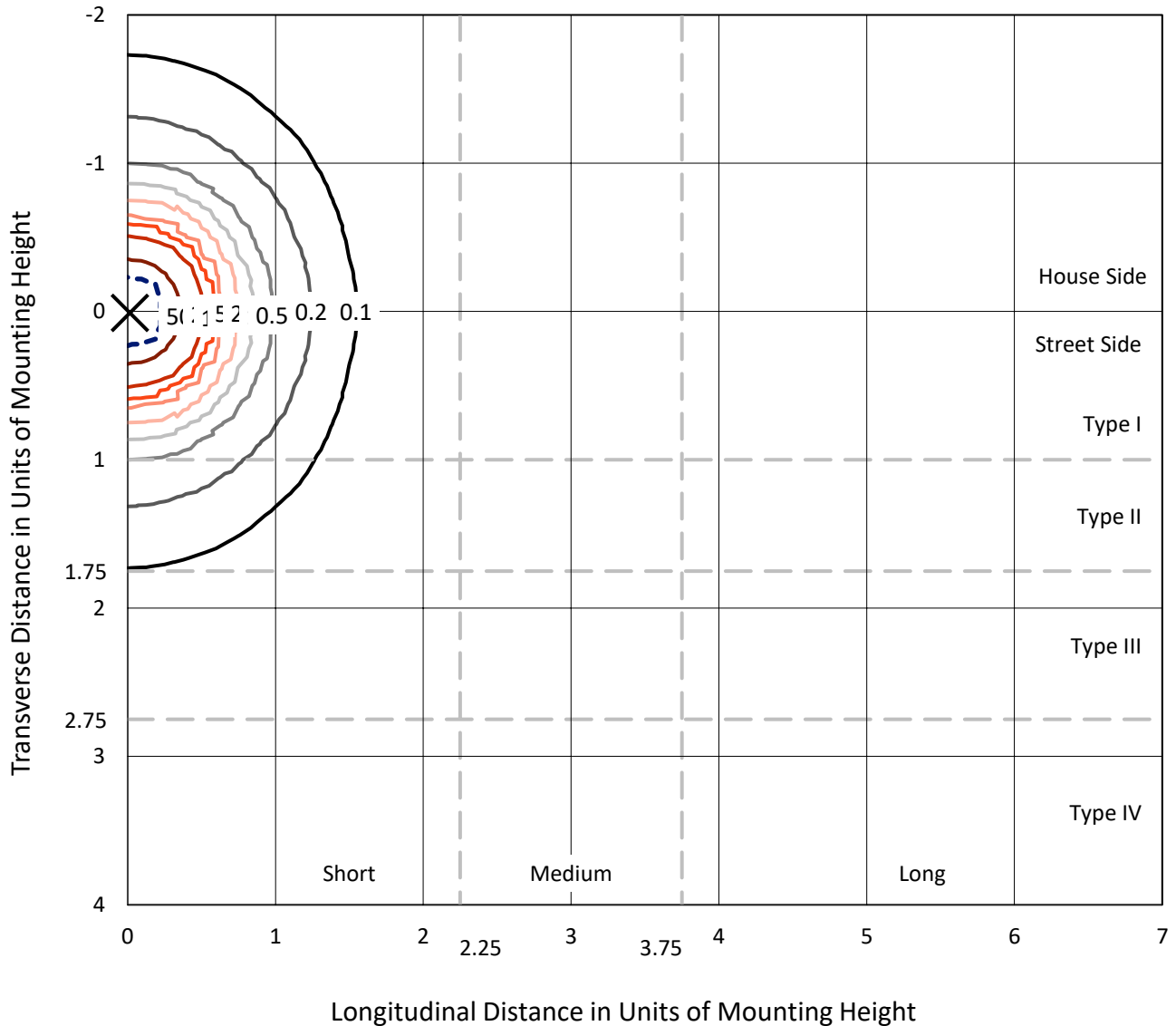
Input Watts (W): 247.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

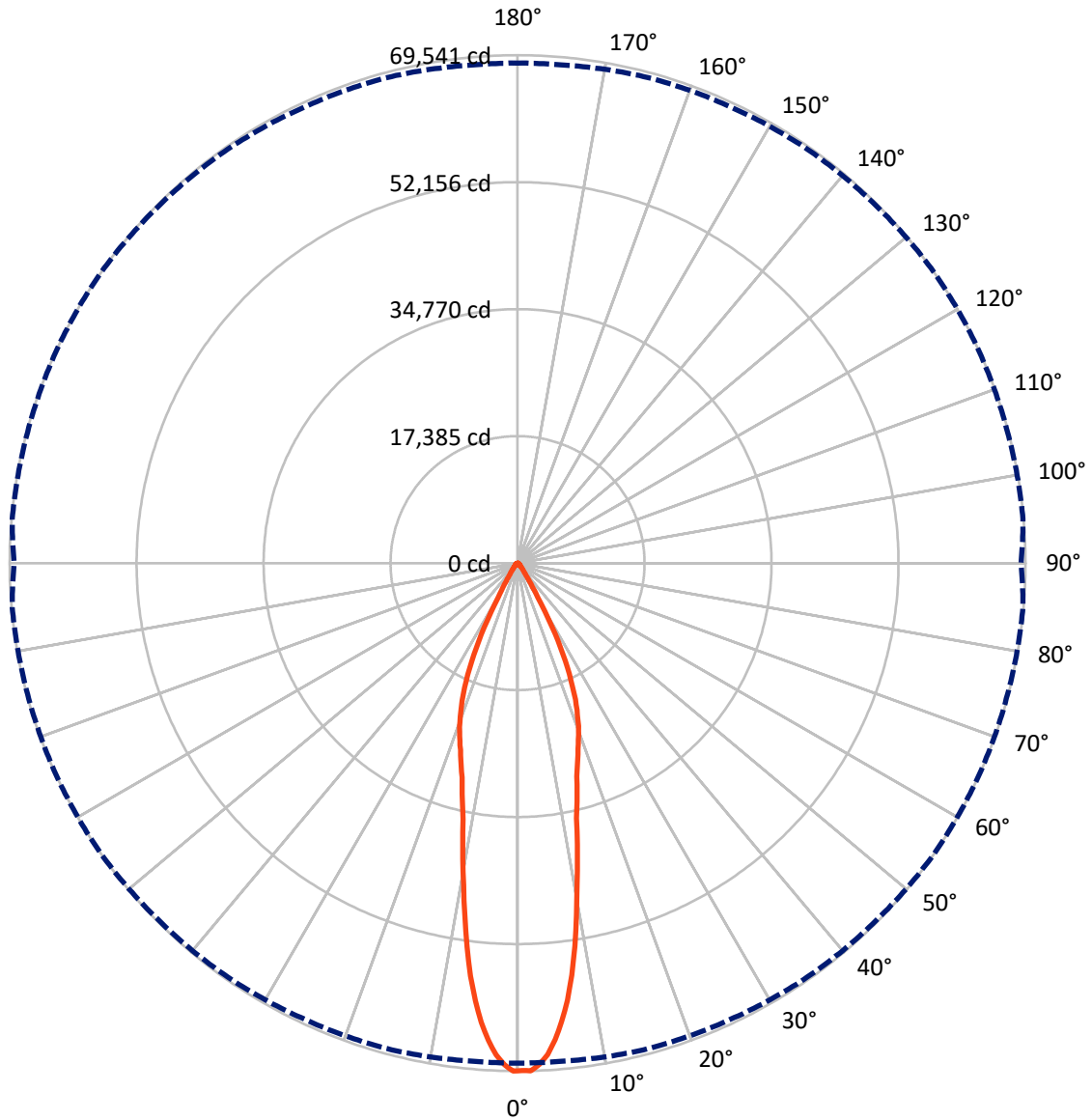
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 173.7 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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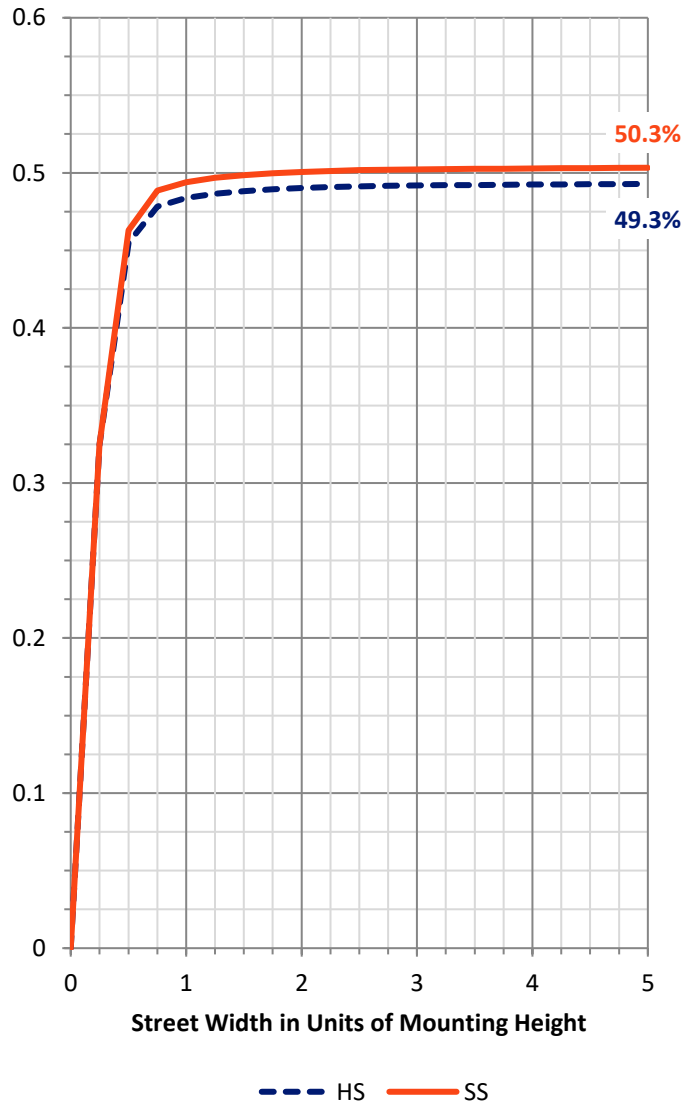
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11571.1	0.0	11571.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11571.1	0.0	11571.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23142.1	0.0	23142.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5285.0	22.8
10°-20°	8631.8	37.3
20°-30°	6745.2	29.1
30°-40°	1470.3	6.4
40°-50°	435.3	1.9
50°-60°	272.3	1.2
60°-70°	190.4	0.8
70°-80°	81.7	0.4
80°-90°	30.2	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°	23142.1	100.0
0°-180°	23142.1	100.0



REPORT NUMBER: P636414

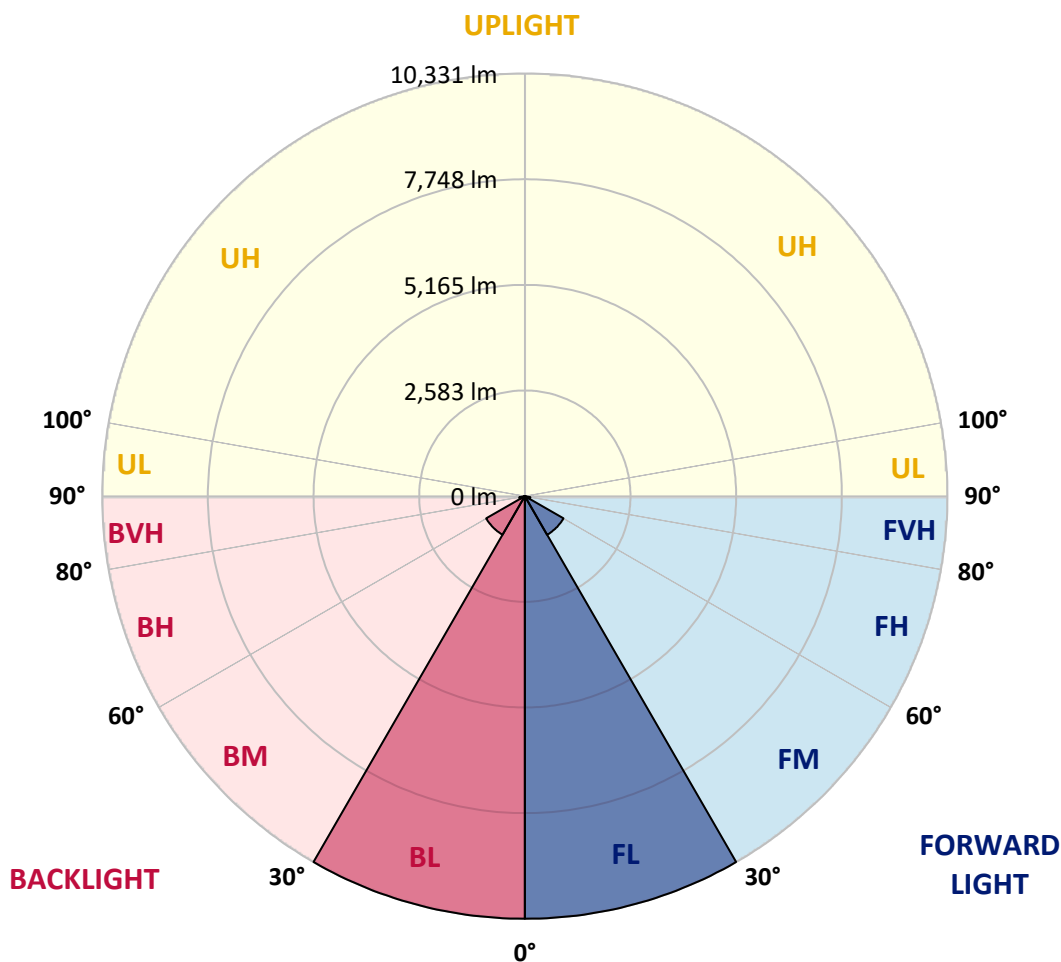
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10331.0	44.6			
FM (30°-60°)	1088.9	4.7			
FH (60°-80°)	136.1	0.6			G0/660
FVH (80°-90°)	15.1	0.1			G1/100
BL (0°-30°)	10331.0	44.6	B5		
BM (30°-60°)	1088.9	4.7	B2/2500		
BH (60°-80°)	136.1	0.6	B1/500		G0/660
BVH (80°-90°)	15.1	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°	69461.2	69461.2	69461.2	69461.2	69461.2	69461.2	69461.2	69461.2	69461.2	69461.2
1°	68455.7	68464.1	68836.9	68920.7	69176.3	69306.2	69540.8	69515.6	69444.4	69452.8
2°	67194.7	67140.2	67487.9	67873.4	68179.2	68430.6	68711.3	68769.9	68702.9	68765.7
3°	65120.9	65041.3	65527.3	66009.1	66541.1	66972.6	67395.8	67412.5	67332.9	67328.7
4°	62393.6	62246.9	62825.1	63683.9	64354.2	64928.2	65456.1	65447.7	65338.8	65426.7
5°	59096.5	58912.1	59662.0	60793.2	61786.1	62477.4	63059.7	62921.4	62670.1	62682.6
6°	55049.5	55229.6	56147.1	57734.9	58907.9	59481.9	60198.3	59938.5	59502.8	59456.8
7°	51245.4	51651.8	52385.0	54299.5	55694.6	56297.9	56905.4	56381.7	55791.0	55694.6
8°	47240.3	47919.0	48932.8	50696.6	52183.9	52791.3	53021.8	52460.4	51827.8	51802.6
9°	43993.5	44458.5	45329.9	46884.2	48396.6	48803.0	48853.2	48363.1	47730.5	47772.4
10°	41039.9	41127.9	41882.0	43218.4	44429.2	44718.3	44705.7	44349.6	43830.1	43968.3
12.5°	34428.9	34667.7	34885.6	35312.9	35719.3	35907.8	35836.6	35690.0	35405.1	35417.7
15°	29942.0	29937.9	29963.0	30159.9	30281.4	30302.3	30302.3	30118.0	29996.5	30176.7
17.5°	25983.0	26200.9	26590.5	26749.7	26908.9	26850.2	26741.3	26657.5	26577.9	26732.9
20°	22903.8	23000.1	23004.3	23109.0	23913.4	23955.3	23817.1	23578.3	23377.2	23339.5
22.5°	19439.1	19585.7	19648.5	19740.7	19824.5	20436.2	20272.8	19887.3	19648.5	19577.3
25°	14591.9	14541.6	14952.2	15706.3	15827.8	15903.2	15861.3	15660.2	15505.2	15534.5
27.5°	10084.0	10172.0	10155.2	10163.6	10963.8	10959.6	10947.0	10771.1	10725.0	10658.0
30°	5639.0	5597.1	5618.1	5563.6	5450.5	5588.7	5366.7	5555.2	5370.9	5429.5
32.5°	3334.8	3305.5	3276.2	3288.7	3204.9	2999.7	2911.7	3041.5	2999.7	2982.9
35°	2128.2	2140.8	2178.5	2174.3	2098.9	1981.6	1855.9	1973.2	1956.5	1906.2
37.5°	1357.4	1357.4	1370.0	1478.9	1416.0	1315.5	1227.5	1277.8	1273.6	1265.2
40°	963.6	963.6	980.3	1009.7	976.1	925.9	875.6	875.6	884.0	858.8
42.5°	716.4	716.4	733.2	749.9	708.0	691.3	666.1	649.4	670.3	649.4
45°	561.4	557.2	561.4	553.0	527.9	527.9	506.9	481.8	506.9	494.4
47.5°	460.8	456.7	452.5	435.7	410.6	414.8	406.4	385.4	398.0	393.8
50°	402.2	393.8	398.0	381.2	360.3	356.1	356.1	335.2	339.3	339.3
52.5°	351.9	351.9	347.7	339.3	331.0	314.2	318.4	297.5	297.5	297.5
55°	331.0	331.0	322.6	305.8	310.0	297.5	284.9	272.3	268.1	268.1
57.5°	326.8	326.8	322.6	305.8	293.3	289.1	272.3	255.6	243.0	247.2
60°	318.4	318.4	310.0	305.8	284.9	276.5	251.4	238.8	222.0	222.0
62.5°	305.8	301.6	284.9	259.7	259.7	238.8	222.0	196.9	184.3	180.1
65°	259.7	255.6	243.0	222.0	209.5	196.9	171.8	146.6	138.3	125.7
67.5°	213.7	213.7	205.3	184.3	176.0	159.2	129.9	113.1	92.2	83.8
70°	176.0	176.0	167.6	155.0	146.6	125.7	100.5	83.8	62.8	54.5
72.5°	142.4	142.4	134.1	125.7	117.3	104.7	83.8	62.8	41.9	33.5
75°	113.1	113.1	108.9	100.5	92.2	83.8	67.0	50.3	29.3	16.8
77.5°	92.2	92.2	88.0	83.8	75.4	67.0	54.5	41.9	20.9	8.4
80°	71.2	71.2	71.2	71.2	62.8	54.5	46.1	33.5	16.8	4.2
82.5°	50.3	50.3	54.5	62.8	50.3	41.9	41.9	33.5	12.6	4.2
85°	33.5	37.7	41.9	37.7	33.5	33.5	58.7	54.5	12.6	4.2
87.5°	16.8	16.8	16.8	16.8	16.8	12.6	16.8	12.6	8.4	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°  
69461.2  
68937.5  
68271.4  
66964.3  
65012.0  
62071.0  
58845.1  
55238.0  
50885.1  
47148.1  
43482.4  
35002.9  
29757.7  
26376.8  
23096.5  
19321.8  
15434.0  
10415.0  
5500.8  
2941.0  
1851.7  
1248.5  
850.5  
645.2  
494.4  
393.8  
343.5  
297.5  
263.9  
247.2  
209.5  
171.8  
121.5  
79.6  
50.3  
29.3  
12.6  
8.4  
4.2  
4.2  
4.2  
0.0  
0.0

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