

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: P636337

Luminaire Tested: **IFLD-S-SA3B-935-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636337  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-935-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (48) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10563 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

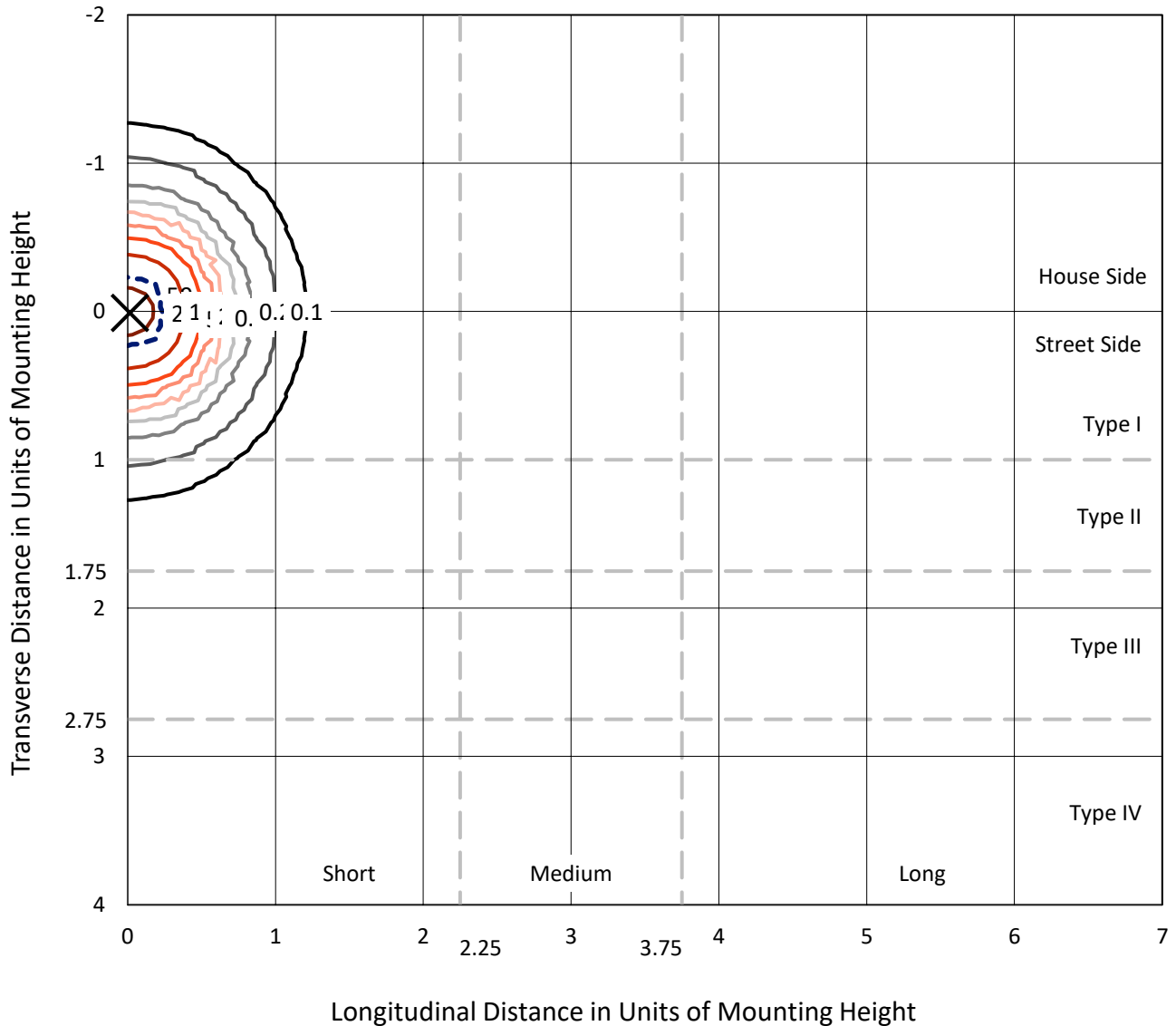
Input Watts (W): 122.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

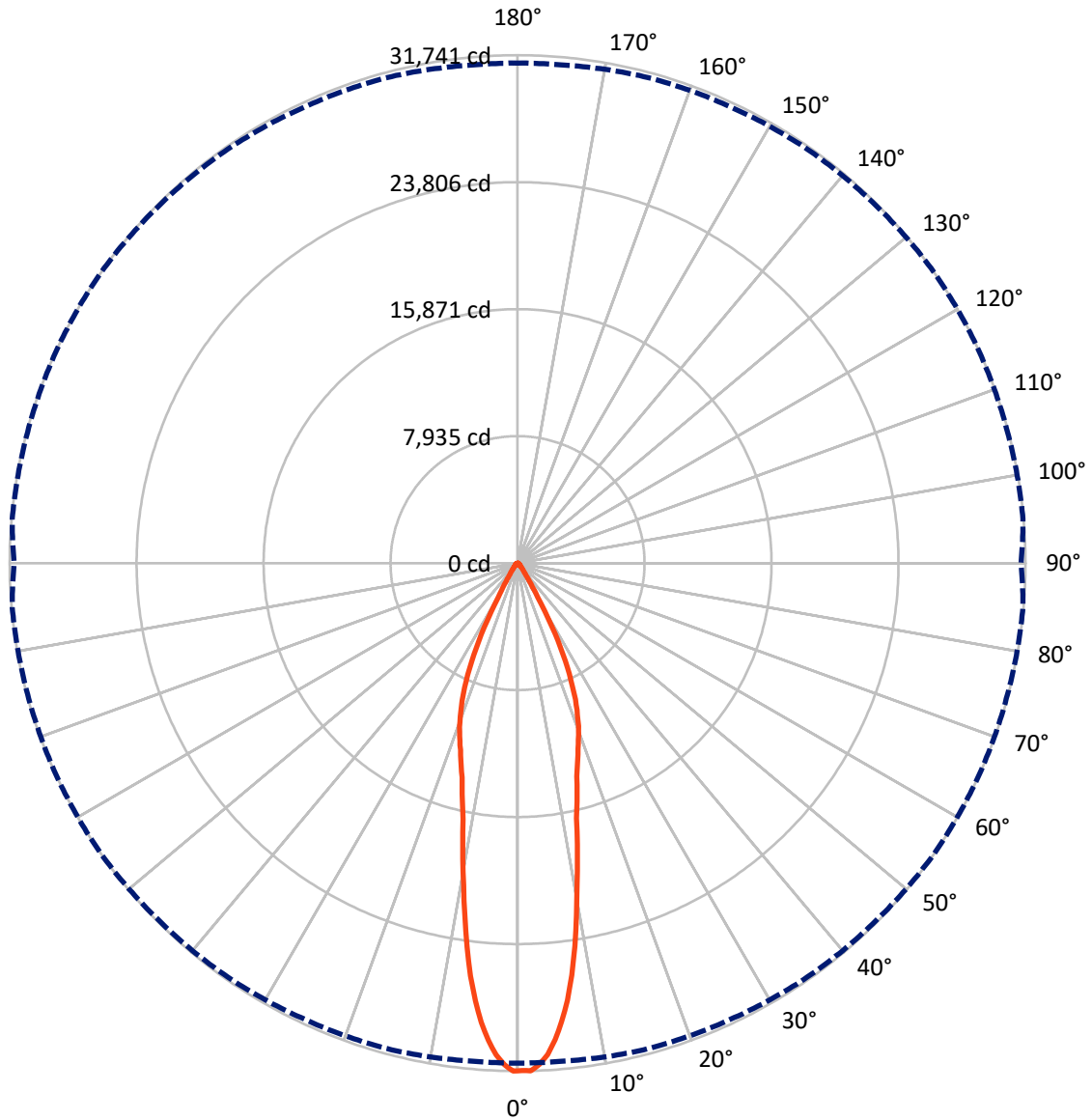
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 79.3 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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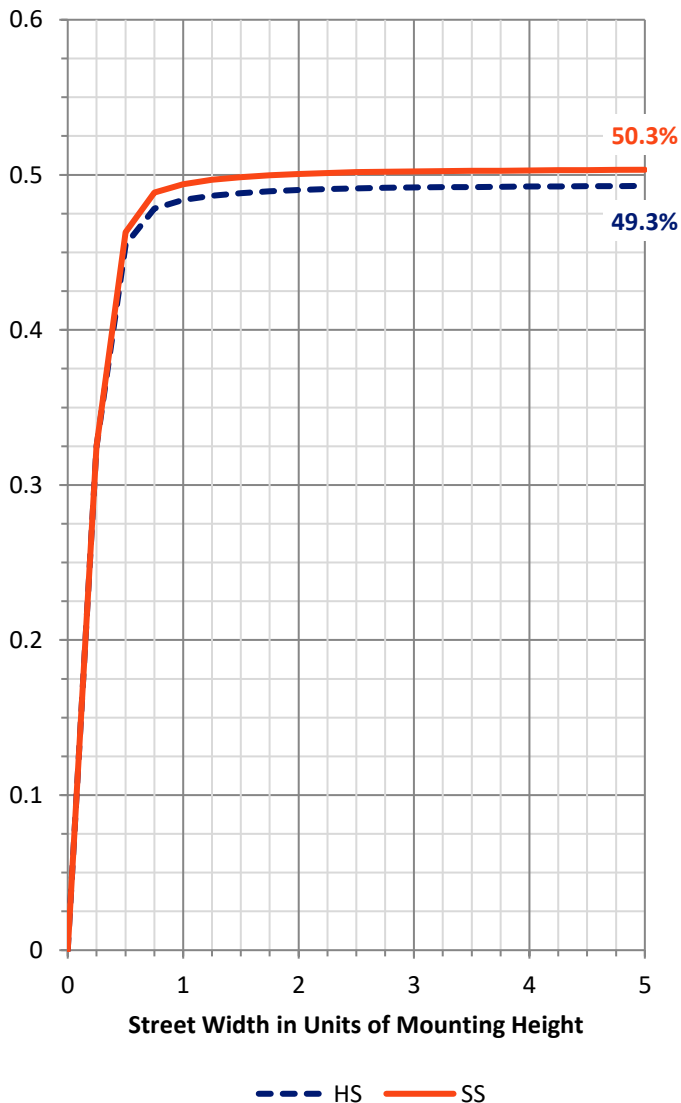
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5281.5	0.0	5281.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5281.5	0.0	5281.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10563.0	0.0	10563.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2412.3	22.8
10°-20°	3939.9	37.3
20°-30°	3078.8	29.1
30°-40°	671.1	6.4
40°-50°	198.7	1.9
50°-60°	124.3	1.2
60°-70°	86.9	0.8
70°-80°	37.3	0.4
80°-90°	13.8	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°	10563.0	100.0
0°-180°	10563.0	100.0



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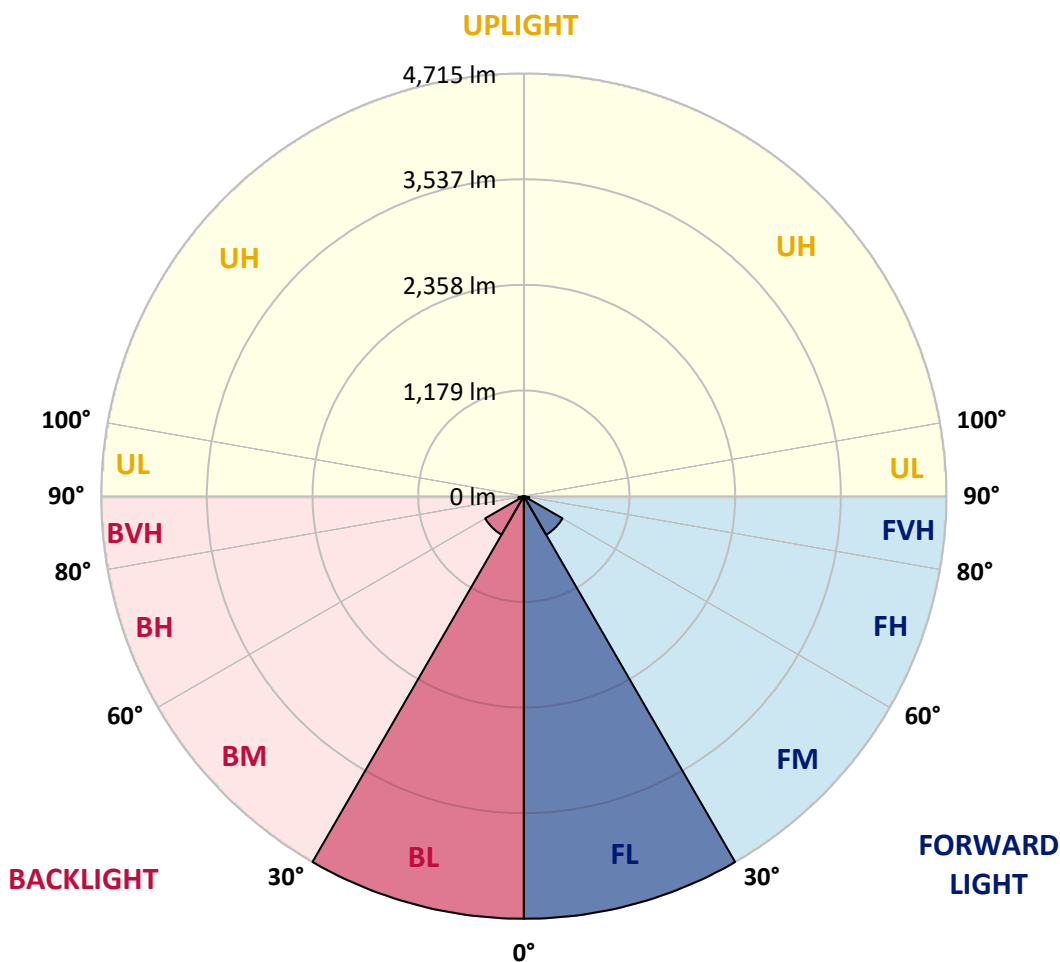
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4715.5	44.6			
FM (30°-60°)	497.0	4.7			
FH (60°-80°)	62.1	0.6			G0/660
FVH (80°-90°)	6.9	0.1			G0/10
BL (0°-30°)	4715.5	44.6	B4/5000		
BM (30°-60°)	497.0	4.7	B1/1000		
BH (60°-80°)	62.1	0.6	B0/110		G0/660
BVH (80°-90°)	6.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	31704.9	31704.9	31704.9	31704.9	31704.9	31704.9	31704.9	31704.9	31704.9	31704.9
1°	31246.0	31249.8	31420.0	31458.2	31574.9	31634.2	31741.2	31729.8	31697.3	31701.1
2°	30670.4	30645.5	30804.3	30980.2	31119.8	31234.5	31362.6	31389.4	31358.8	31387.5
3°	29723.8	29687.5	29909.3	30129.2	30372.1	30569.0	30762.2	30769.8	30733.5	30731.6
4°	28479.0	28412.0	28675.9	29067.9	29373.9	29635.9	29876.8	29873.0	29823.3	29863.4
5°	26974.0	26889.9	27232.2	27748.5	28201.7	28517.2	28783.0	28719.9	28605.2	28610.9
6°	25126.8	25209.0	25627.8	26352.6	26888.0	27150.0	27477.0	27358.4	27159.5	27138.5
7°	23390.5	23576.0	23910.6	24784.5	25421.3	25696.7	25973.9	25734.9	25465.3	25421.3
8°	21562.4	21872.2	22334.9	23140.0	23818.8	24096.1	24201.3	23945.1	23656.3	23644.8
9°	20080.4	20292.7	20690.4	21399.9	22090.2	22275.7	22298.6	22074.9	21786.1	21805.3
10°	18732.3	18772.4	19116.6	19726.7	20279.3	20411.2	20405.5	20243.0	20005.8	20068.9
12.5°	15714.8	15823.8	15923.2	16118.3	16303.7	16389.8	16357.3	16290.4	16160.3	16166.1
15°	13666.8	13664.9	13676.3	13766.2	13821.7	13831.2	13831.2	13747.1	13691.6	13773.9
17.5°	11859.7	11959.1	12137.0	12209.6	12282.3	12255.5	12205.8	12167.6	12131.2	12202.0
20°	10454.2	10498.2	10500.1	10547.9	10915.1	10934.2	10871.1	10762.1	10670.3	10653.1
22.5°	8872.8	8939.7	8968.4	9010.5	9048.7	9327.9	9253.3	9077.4	8968.4	8935.9
25°	6660.3	6637.4	6824.8	7169.0	7224.4	7258.9	7239.7	7147.9	7077.2	7090.6
27.5°	4602.8	4642.9	4635.3	4639.1	5004.3	5002.4	4996.7	4916.4	4895.3	4864.7
30°	2573.9	2554.8	2564.3	2539.5	2487.8	2550.9	2449.6	2535.6	2451.5	2478.3
32.5°	1522.1	1508.8	1495.4	1501.1	1462.9	1369.2	1329.0	1388.3	1369.2	1361.5
35°	971.4	977.2	994.4	992.5	958.0	904.5	847.1	900.7	893.0	870.1
37.5°	619.6	619.6	625.3	675.0	646.3	600.4	560.3	583.2	581.3	577.5
40°	439.8	439.8	447.5	460.8	445.6	422.6	399.7	399.7	403.5	392.0
42.5°	327.0	327.0	334.6	342.3	323.2	315.5	304.0	296.4	306.0	296.4
45°	256.2	254.3	256.2	252.4	240.9	240.9	231.4	219.9	231.4	225.6
47.5°	210.3	208.4	206.5	198.9	187.4	189.3	185.5	175.9	181.7	179.8
50°	183.6	179.8	181.7	174.0	164.5	162.5	162.5	153.0	154.9	154.9
52.5°	160.6	160.6	158.7	154.9	151.1	143.4	145.3	135.8	135.8	135.8
55°	151.1	151.1	147.2	139.6	141.5	135.8	130.0	124.3	122.4	122.4
57.5°	149.2	149.2	147.2	139.6	133.9	131.9	124.3	116.6	110.9	112.8
60°	145.3	145.3	141.5	139.6	130.0	126.2	114.7	109.0	101.3	101.3
62.5°	139.6	137.7	130.0	118.6	118.6	109.0	101.3	89.9	84.1	82.2
65°	118.6	116.6	110.9	101.3	95.6	89.9	78.4	66.9	63.1	57.4
67.5°	97.5	97.5	93.7	84.1	80.3	72.7	59.3	51.6	42.1	38.2
70°	80.3	80.3	76.5	70.8	66.9	57.4	45.9	38.2	28.7	24.9
72.5°	65.0	65.0	61.2	57.4	53.5	47.8	38.2	28.7	19.1	15.3
75°	51.6	51.6	49.7	45.9	42.1	38.2	30.6	22.9	13.4	7.6
77.5°	42.1	42.1	40.2	38.2	34.4	30.6	24.9	19.1	9.6	3.8
80°	32.5	32.5	32.5	32.5	28.7	24.9	21.0	15.3	7.6	1.9
82.5°	22.9	22.9	24.9	28.7	22.9	19.1	19.1	15.3	5.7	1.9
85°	15.3	17.2	19.1	17.2	15.3	15.3	26.8	24.9	5.7	1.9
87.5°	7.6	7.6	7.6	7.6	7.6	5.7	7.6	5.7	3.8	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°  
31704.9  
**31465.9**  
31161.8  
30565.2  
29674.1  
28331.7  
26859.3  
25212.9  
23226.1  
21520.3  
19847.1  
15976.8  
13582.6  
12039.5  
10542.2  
8819.2  
7044.7  
4753.8  
2510.8  
1342.4  
845.2  
569.8  
388.2  
294.5  
225.6  
179.8  
156.8  
135.8  
120.5  
112.8  
95.6  
78.4  
55.5  
36.3  
22.9  
13.4  
5.7  
3.8  
1.9  
1.9  
1.9  
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