

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: P636163

Luminaire Tested: **IFLD-S-SA3B-930-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636163  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-930-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (48) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10421.6 lumens  
Efficiency: N/A  
Efficacy: 85.1 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

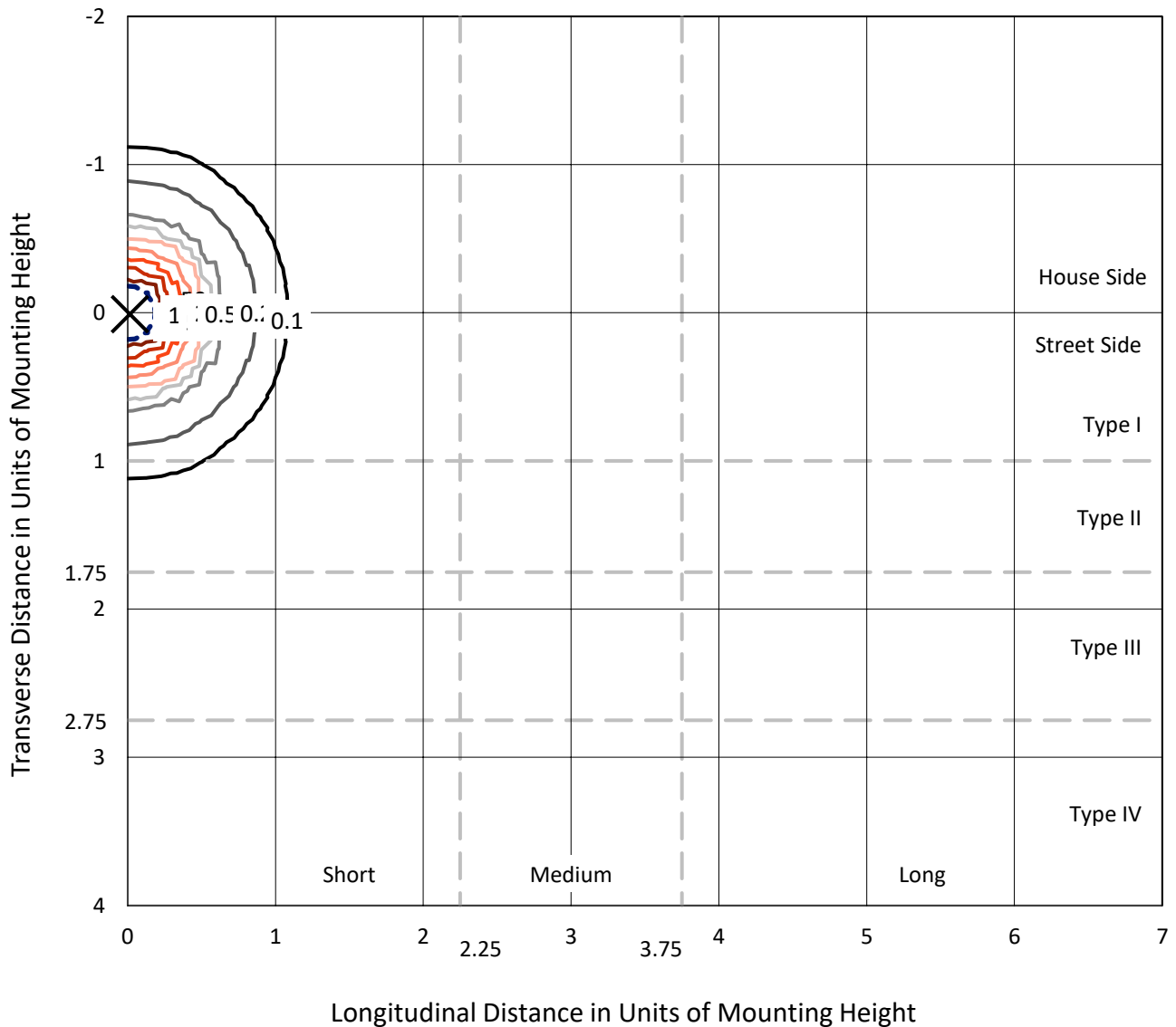
Input Watts (W): 122.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

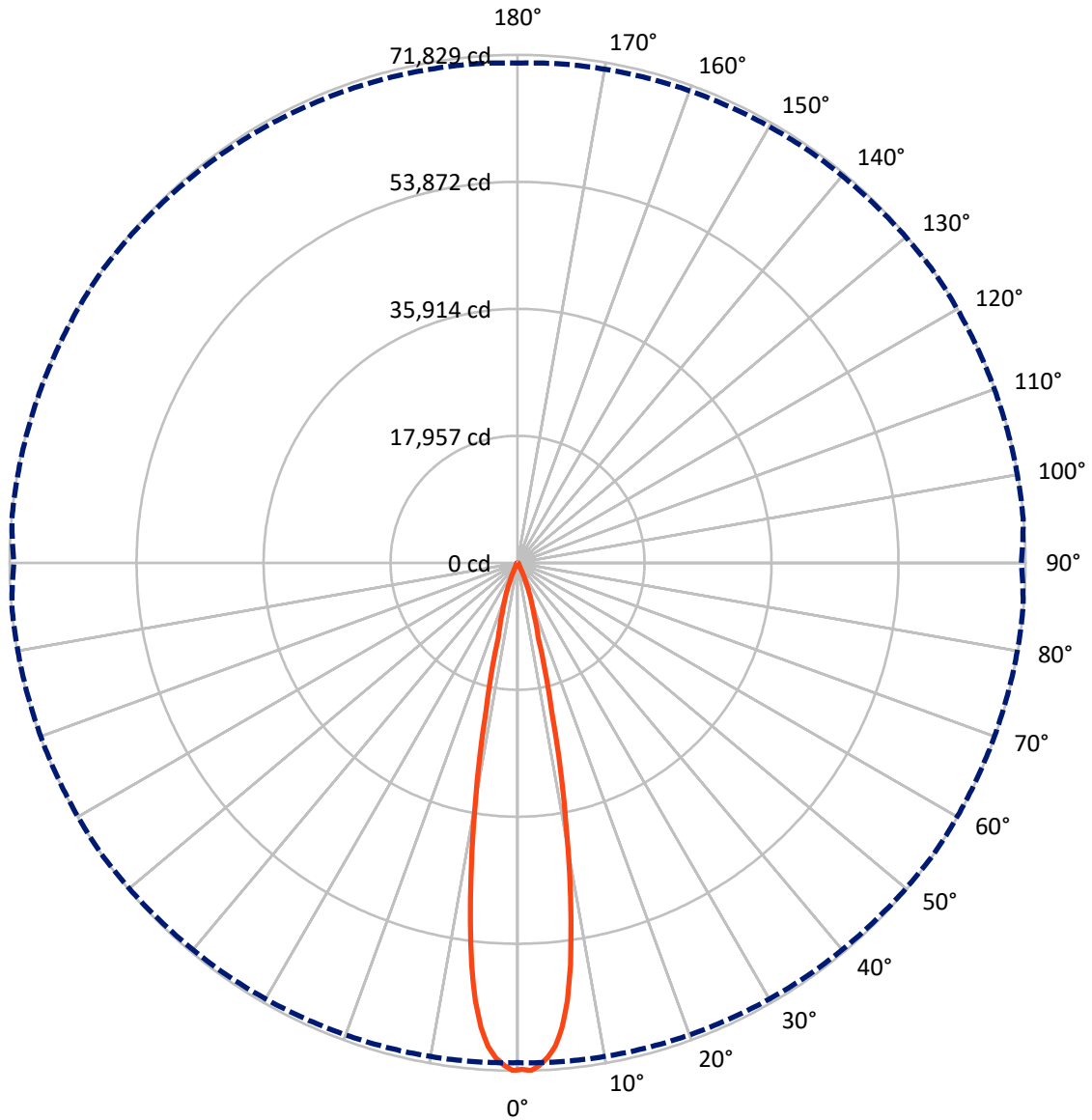
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 179.1 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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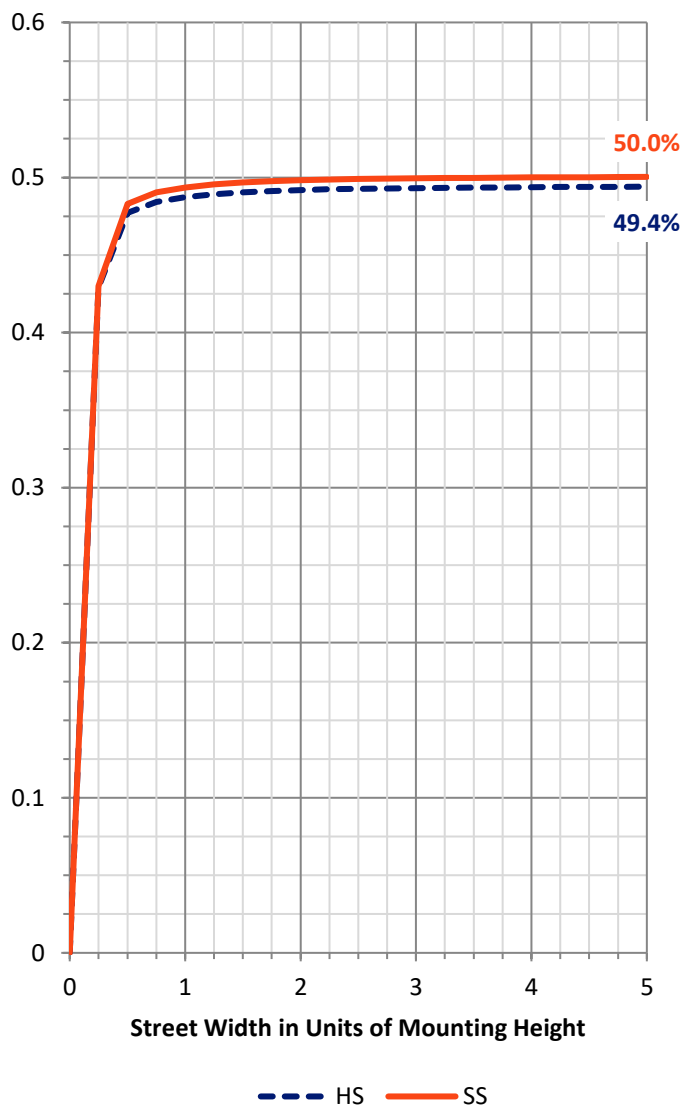
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5210.8	0.0	5210.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5210.8	0.0	5210.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10421.6	0.0	10421.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5294.9	50.8
10°-20°	3752.6	36.0
20°-30°	879.3	8.4
30°-40°	183.8	1.8
40°-50°	118.6	1.1
50°-60°	87.8	0.8
60°-70°	59.7	0.6
70°-80°	31.9	0.3
80°-90°	13.1	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°	10421.6	100.0
0°-180°	10421.6	100.0

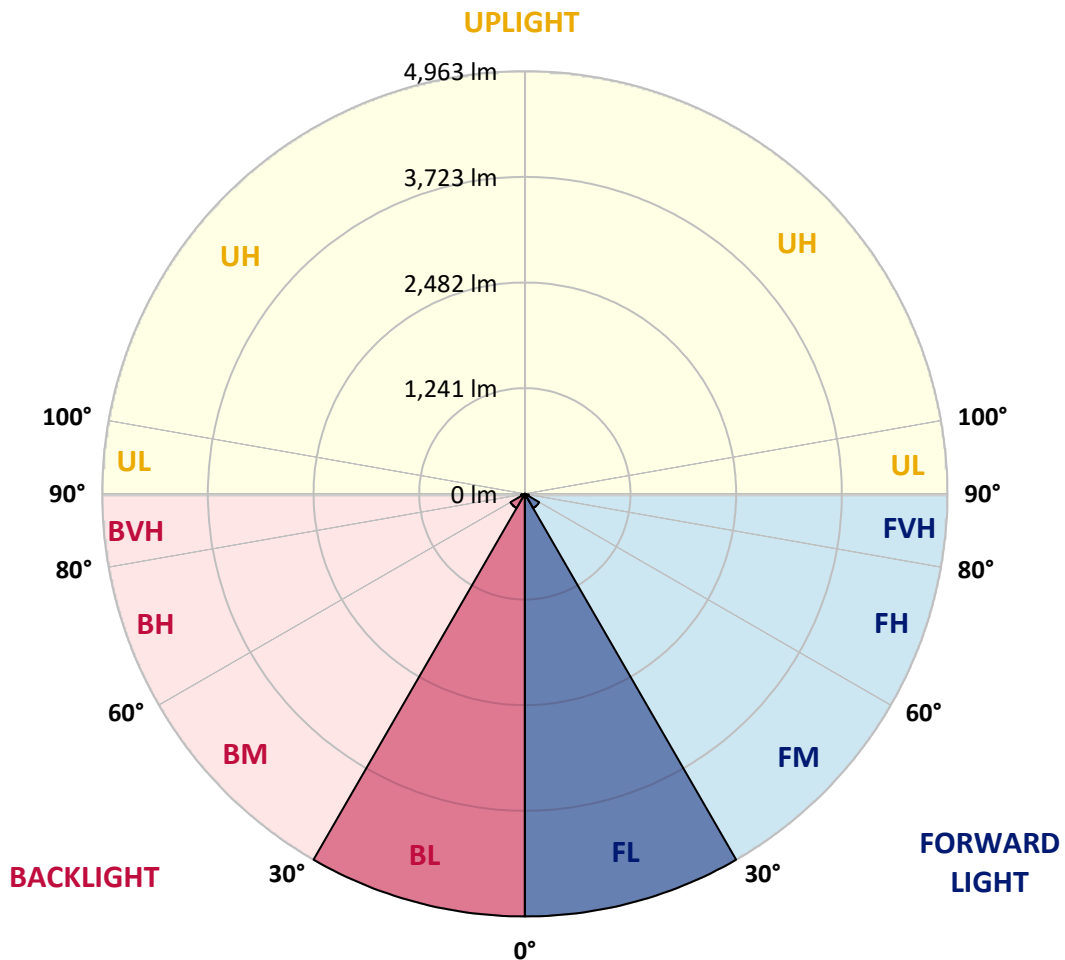


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4963.4	47.6			
FM (30°-60°)	195.1	1.9			
FH (60°-80°)	45.8	0.4			G0/660
FVH (80°-90°)	6.5	0.1			G0/10
BL (0°-30°)	4963.4	47.6	B4/5000		
BM (30°-60°)	195.1	1.9	B0/220		
BH (60°-80°)	45.8	0.4	B0/110		G0/660
BVH (80°-90°)	6.5	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°	71644.4	71644.4	71644.4	71644.4	71644.4	71644.4	71644.4	71644.4	71644.4	71644.4
1°	70680.5	70811.4	70971.7	71117.3	71336.7	71515.4	71828.7	71762.4	71753.2	71766.1
2°	69311.2	69475.2	69722.2	69867.8	70433.6	70665.8	71139.4	71279.5	71167.1	71294.3
3°	67259.9	67394.4	67781.4	68067.1	68800.6	69427.3	70061.3	70271.4	70140.5	70199.5
4°	64817.8	64956.1	65424.2	66006.6	67066.3	67761.2	68520.5	68708.5	68280.9	68310.4
5°	61911.4	61975.9	62549.0	63079.8	64347.9	65190.1	65910.7	65969.7	65579.0	65429.7
6°	58641.8	58525.7	59052.8	59277.7	60853.5	61712.3	62239.4	62171.2	61874.5	61747.3
7°	54756.7	54598.2	55023.9	54902.3	56297.5	56787.7	57294.5	57062.3	56826.4	57119.5
8°	50261.5	50173.0	49898.4	50396.0	50672.5	51111.1	51109.3	50974.8	50967.4	51455.8
9°	43726.1	44542.6	44301.1	44822.7	44752.7	44732.4	44597.8	44511.2	44142.6	44704.7
10°	36549.3	37083.8	37491.1	38268.9	38117.7	38331.5	37583.2	37710.4	37465.3	37929.7
12.5°	18918.8	19519.6	19871.6	20465.1	21117.5	21784.7	21569.1	21346.1	21012.5	21421.6
15°	9312.9	9550.6	9663.1	10265.7	10730.2	10897.9	10923.7	10726.5	10641.7	10730.2
17.5°	5715.3	5798.2	6124.4	6817.4	7219.2	7318.7	7254.2	7038.6	6797.1	6695.8
20°	4137.6	4161.6	4285.1	4419.6	4955.9	5236.1	5132.9	4920.9	4697.9	4592.9
22.5°	2701.9	2725.9	2766.4	2840.1	2983.9	3330.4	3217.9	3074.2	2923.1	2891.7
25°	1529.7	1529.7	1572.1	1647.7	1754.6	1780.4	1802.5	1649.5	1579.5	1548.2
27.5°	853.3	858.9	868.1	897.6	951.0	945.5	921.5	881.0	833.1	783.3
30°	471.8	477.3	482.9	490.2	499.5	482.9	468.1	460.8	440.5	435.0
32.5°	353.9	353.9	357.5	355.7	346.5	326.2	317.0	328.1	326.2	317.0
35°	291.2	291.2	294.9	302.3	283.8	269.1	261.7	276.5	276.5	270.9
37.5°	237.8	239.6	241.4	250.7	245.1	228.5	226.7	230.4	232.2	230.4
40°	208.3	206.4	206.4	208.3	204.6	200.9	197.2	195.4	197.2	195.4
42.5°	180.6	178.8	182.5	178.8	171.4	173.2	173.2	167.7	169.6	165.9
45°	158.5	156.7	158.5	154.8	149.3	151.1	151.1	143.8	143.8	141.9
47.5°	140.1	140.1	140.1	141.9	132.7	130.9	132.7	130.9	125.3	123.5
50°	121.6	123.5	125.3	129.0	119.8	116.1	116.1	116.1	112.4	110.6
52.5°	112.4	114.3	114.3	114.3	108.7	105.1	105.1	103.2	101.4	99.5
55°	108.7	108.7	108.7	101.4	99.5	97.7	92.2	90.3	88.5	88.5
57.5°	103.2	103.2	101.4	95.8	90.3	90.3	82.9	81.1	79.3	79.3
60°	92.2	92.2	92.2	90.3	82.9	81.1	73.7	70.0	68.2	68.2
62.5°	84.8	84.8	84.8	77.4	75.6	70.0	64.5	59.0	57.1	53.4
65°	77.4	77.4	77.4	70.0	66.3	60.8	53.4	47.9	44.2	38.7
67.5°	71.9	71.9	70.0	64.5	59.0	51.6	44.2	38.7	31.3	27.6
70°	62.7	62.7	60.8	57.1	51.6	46.1	36.9	29.5	24.0	18.4
72.5°	53.4	53.4	51.6	47.9	44.2	38.7	31.3	25.8	16.6	12.9
75°	44.2	44.2	42.4	38.7	36.9	33.2	27.6	20.3	12.9	5.5
77.5°	36.9	36.9	35.0	33.2	31.3	27.6	24.0	16.6	9.2	3.7
80°	27.6	29.5	29.5	29.5	25.8	24.0	22.1	16.6	7.4	1.8
82.5°	20.3	22.1	22.1	22.1	20.3	18.4	20.3	14.7	7.4	1.8
85°	14.7	14.7	16.6	16.6	16.6	16.6	22.1	16.6	5.5	1.8
87.5°	7.4	7.4	7.4	7.4	7.4	9.2	11.1	9.2	3.7	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°  

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71644.4  
71251.9  
70811.4  
69757.2  
67871.7  
65118.2  
61461.7  
57029.1  
50101.2  
43656.1  
36739.1  
20314.0  
10317.3  
6553.8  
4511.8  
2827.2  
1522.3  
785.1  
435.0  
311.5  
269.1  
230.4  
197.2  
167.7  
141.9  
123.5  
108.7  
97.7  
86.6  
79.3  
66.3  
49.8  
38.7  
25.8  
18.4  
11.1  
5.5  
1.8  
1.8  
1.8  
1.8  
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