

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: P636295

Luminaire Tested: **IFLD-L-SA7C-927-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636295  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-927-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (112) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26238.9 lumens  
Efficiency: N/A  
Efficacy: 71.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

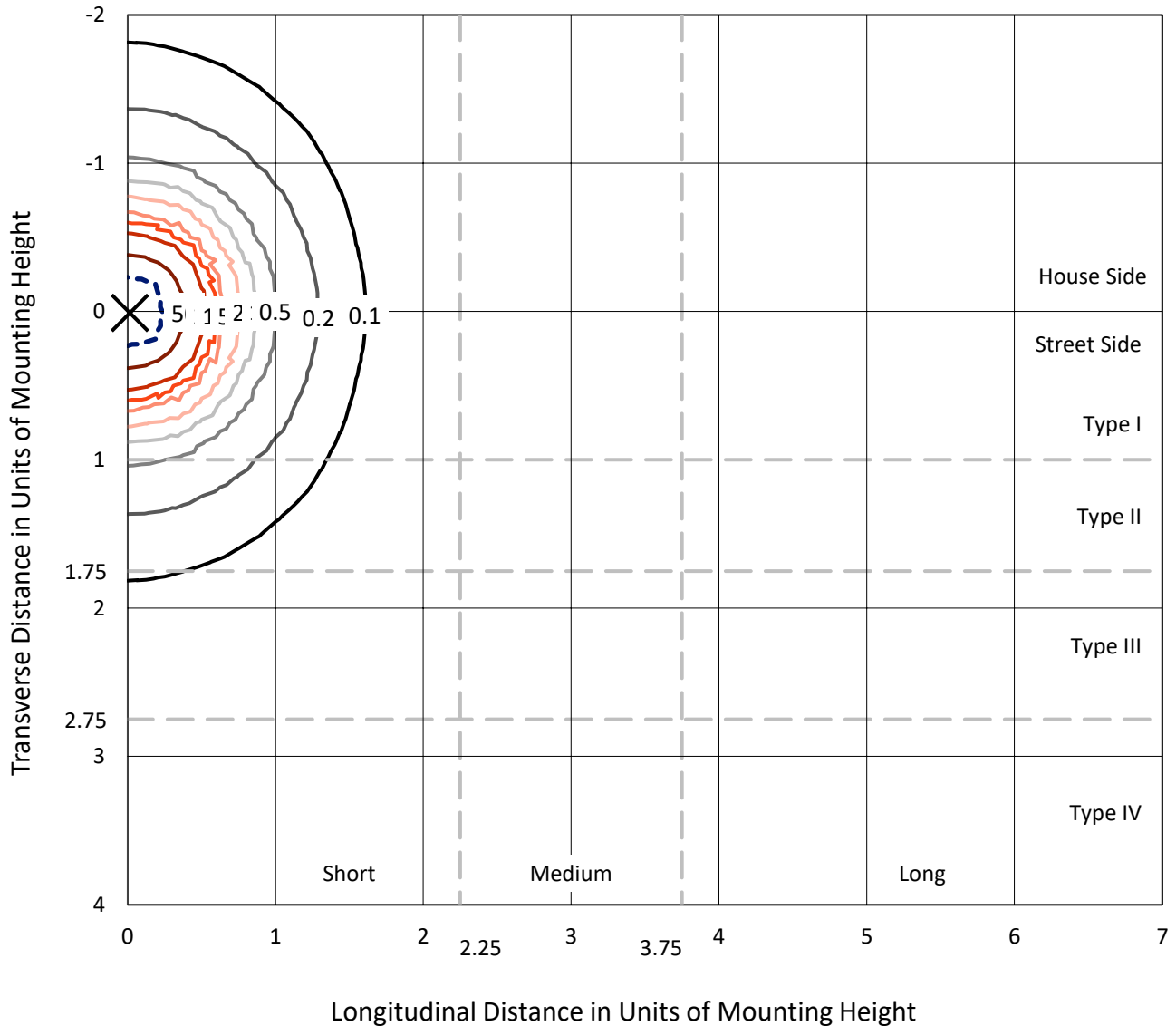
Input Watts (W): 369  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

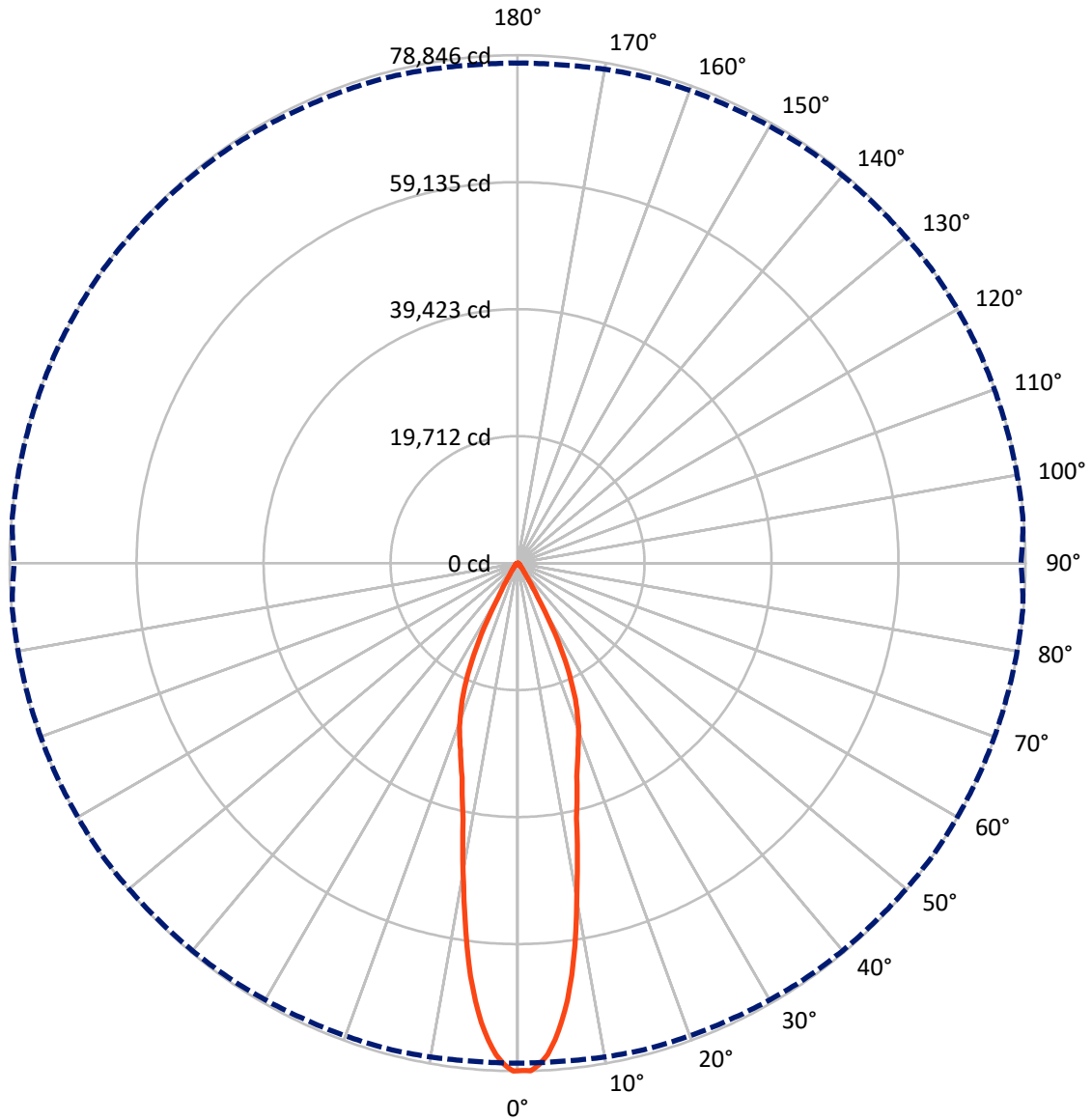
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 196.9 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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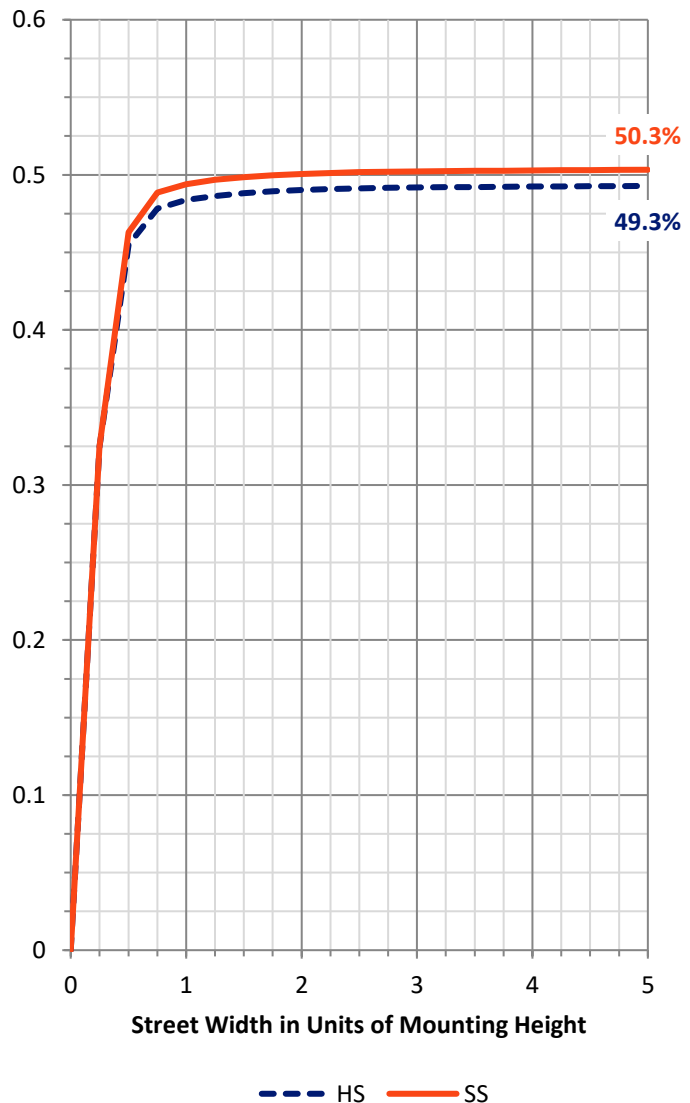
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13119.4	0.0	13119.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13119.4	0.0	13119.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26238.9	0.0	26238.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5992.2	22.8
10°-20°	9786.8	37.3
20°-30°	7647.8	29.1
30°-40°	1667.0	6.4
40°-50°	493.6	1.9
50°-60°	308.7	1.2
60°-70°	215.9	0.8
70°-80°	92.7	0.4
80°-90°	34.2	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°	26238.9	100.0
0°-180°	26238.9	100.0

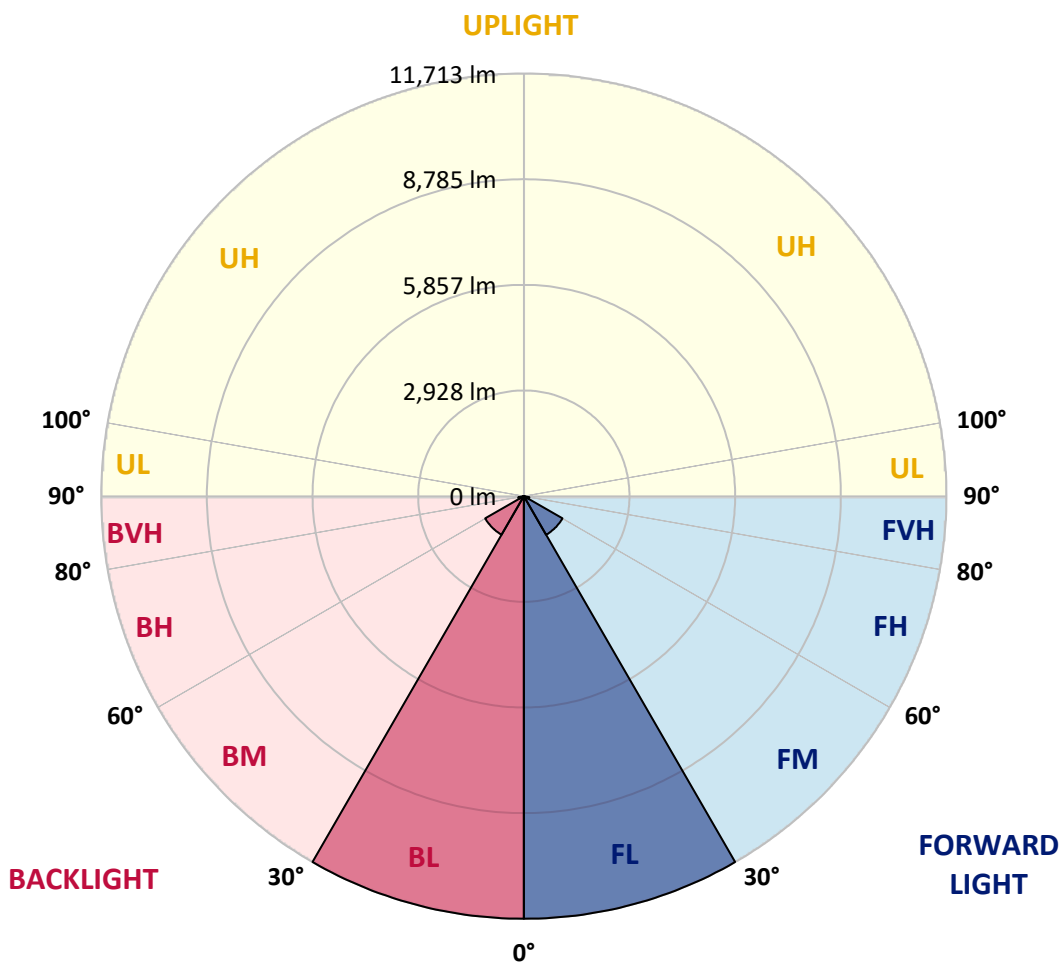


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11713.4	44.6			
FM (30°-60°)	1234.6	4.7			
FH (60°-80°)	154.3	0.6			G0/660
FVH (80°-90°)	17.1	0.1			G1/100
BL (0°-30°)	11713.4	44.6	B5		
BM (30°-60°)	1234.6	4.7	B2/2500		
BH (60°-80°)	154.3	0.6	B1/500		G0/660
BVH (80°-90°)	17.1	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°	78755.9	78755.9	78755.9	78755.9	78755.9	78755.9	78755.9	78755.9	78755.9	78755.9
1°	77615.9	77625.4	78048.1	78143.1	78432.9	78580.1	78846.1	78817.6	78736.9	78746.4
2°	76186.1	76124.3	76518.6	76955.6	77302.4	77587.4	77905.6	77972.1	77896.1	77967.4
3°	73834.8	73744.6	74295.6	74841.8	75445.1	75934.3	76414.1	76433.1	76342.8	76338.1
4°	70742.5	70576.3	71231.8	72205.6	72965.6	73616.3	74214.8	74205.3	74081.8	74181.6
5°	67004.2	66795.2	67645.5	68928.0	70053.8	70837.5	71497.8	71341.0	71056.0	71070.3
6°	62415.7	62619.9	63660.2	65460.5	66790.5	67441.2	68253.5	67959.0	67465.0	67412.7
7°	58102.6	58563.4	59394.7	61565.4	63147.2	63831.2	64520.0	63926.2	63256.5	63147.2
8°	53561.6	54331.1	55480.6	57480.4	59166.7	59855.4	60116.7	59480.2	58762.9	58734.4
9°	49880.3	50407.6	51395.6	53157.8	54872.6	55333.4	55390.4	54834.6	54117.4	54164.9
10°	46531.5	46631.3	47486.3	49001.5	50374.3	50702.1	50687.8	50284.1	49695.1	49851.8
12.5°	39035.9	39306.7	39553.7	40038.2	40498.9	40712.7	40632.0	40465.7	40142.7	40156.9
15°	33948.6	33943.9	33972.4	34195.6	34333.4	34357.1	34357.1	34148.1	34010.4	34214.6
17.5°	29459.8	29706.8	30148.6	30329.1	30509.6	30443.1	30319.6	30224.6	30134.3	30310.1
20°	25968.5	26077.8	26082.5	26201.3	27113.3	27160.8	27004.0	26733.3	26505.3	26462.5
22.5°	22040.2	22206.5	22277.7	22382.2	22477.2	23170.8	22985.5	22548.5	22277.7	22197.0
25°	16544.4	16487.4	16952.9	17807.9	17945.7	18031.2	17983.7	17755.7	17579.9	17613.2
27.5°	11433.4	11533.1	11514.1	11523.6	12430.9	12426.1	12411.9	12212.4	12160.1	12084.1
30°	6393.6	6346.1	6369.8	6308.1	6179.8	6336.6	6084.8	6298.6	6089.6	6156.1
32.5°	3781.0	3747.8	3714.5	3728.8	3633.8	3401.0	3301.3	3448.5	3401.0	3382.0
35°	2413.0	2427.3	2470.0	2465.3	2379.8	2246.8	2104.3	2237.3	2218.3	2161.3
37.5°	1539.0	1539.0	1553.3	1676.8	1605.5	1491.5	1391.8	1448.8	1444.0	1434.5
40°	1092.5	1092.5	1111.5	1144.8	1106.8	1049.8	992.8	992.8	1002.3	973.8
42.5°	812.3	812.3	831.3	850.3	802.8	783.8	755.3	736.3	760.0	736.3
45°	636.5	631.8	636.5	627.0	598.5	598.5	574.8	546.3	574.8	560.5
47.5°	522.5	517.8	513.0	494.0	465.5	470.3	460.8	437.0	451.3	446.5
50°	456.0	446.5	451.3	432.3	408.5	403.8	403.8	380.0	384.8	384.8
52.5°	399.0	399.0	394.3	384.8	375.3	356.3	361.0	337.3	337.3	337.3
55°	375.3	375.3	365.8	346.8	351.5	337.3	323.0	308.8	304.0	304.0
57.5°	370.5	370.5	365.8	346.8	332.5	327.8	308.8	289.8	275.5	280.3
60°	361.0	361.0	351.5	346.8	323.0	313.5	285.0	270.8	251.8	251.8
62.5°	346.8	342.0	323.0	294.5	294.5	270.8	251.8	223.3	209.0	204.3
65°	294.5	289.8	275.5	251.8	237.5	223.3	194.8	166.3	156.8	142.5
67.5°	242.3	242.3	232.8	209.0	199.5	180.5	147.3	128.3	104.5	95.0
70°	199.5	199.5	190.0	175.8	166.3	142.5	114.0	95.0	71.3	61.8
72.5°	161.5	161.5	152.0	142.5	133.0	118.8	95.0	71.3	47.5	38.0
75°	128.3	128.3	123.5	114.0	104.5	95.0	76.0	57.0	33.3	19.0
77.5°	104.5	104.5	99.8	95.0	85.5	76.0	61.8	47.5	23.8	9.5
80°	80.8	80.8	80.8	80.8	71.3	61.8	52.3	38.0	19.0	4.8
82.5°	57.0	57.0	61.8	71.3	57.0	47.5	47.5	38.0	14.3	4.8
85°	38.0	42.8	47.5	42.8	38.0	38.0	66.5	61.8	14.3	4.8
87.5°	19.0	19.0	19.0	19.0	19.0	14.3	19.0	14.3	9.5	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°  
78755.9  
*78162.1*  
77406.9  
75924.8  
73711.3  
70376.8  
66719.2  
62629.4  
57694.1  
53457.1  
49300.8  
39686.7  
33739.6  
29906.3  
26187.0  
21907.2  
17499.2  
11808.6  
6236.8  
3334.5  
2099.5  
1415.5  
964.3  
731.5  
560.5  
446.5  
389.5  
337.3  
299.3  
280.3  
237.5  
194.8  
137.8  
90.3  
57.0  
33.3  
14.3  
9.5  
4.8  
4.8  
4.8  
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