

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: P636283

Luminaire Tested: **IFLD-S-SA6A-927-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636283  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-927-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (96) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

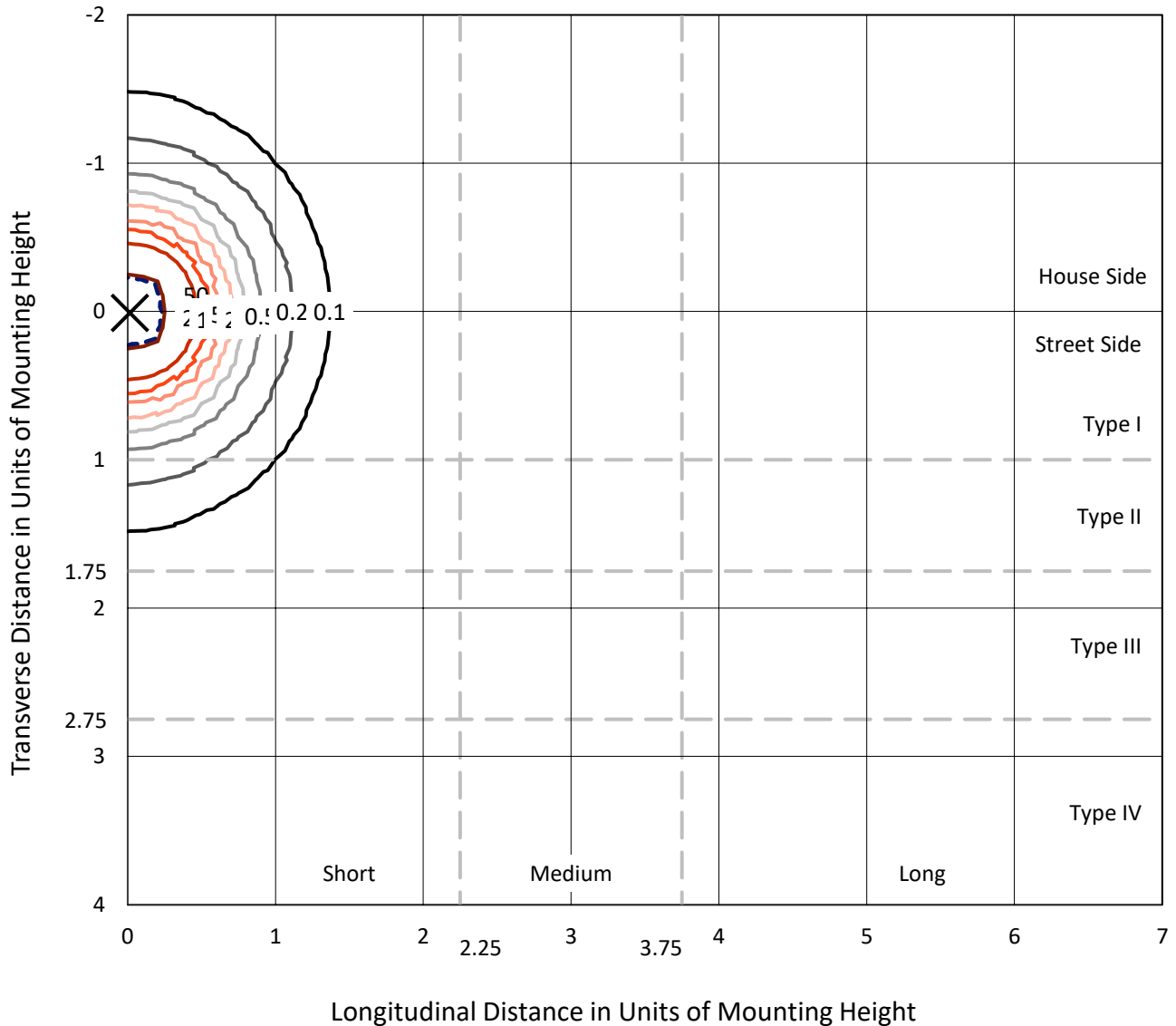
Lumens per Lamp: N/A  
Luminaire Lumens: 15974.9 lumens  
Efficiency: N/A  
Efficacy: 84.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1  
  
Input Watts (W): 189.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

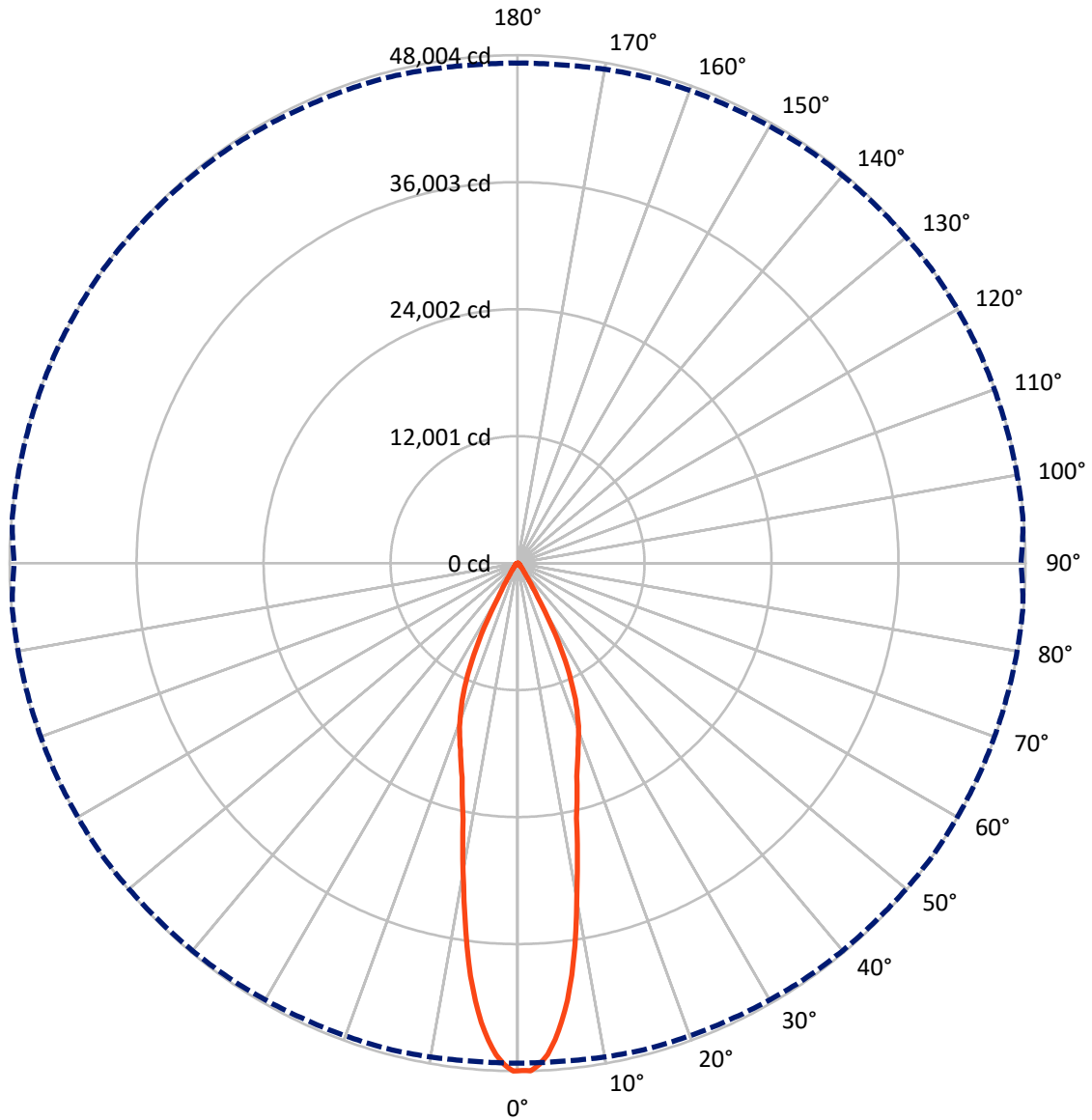
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 119.9 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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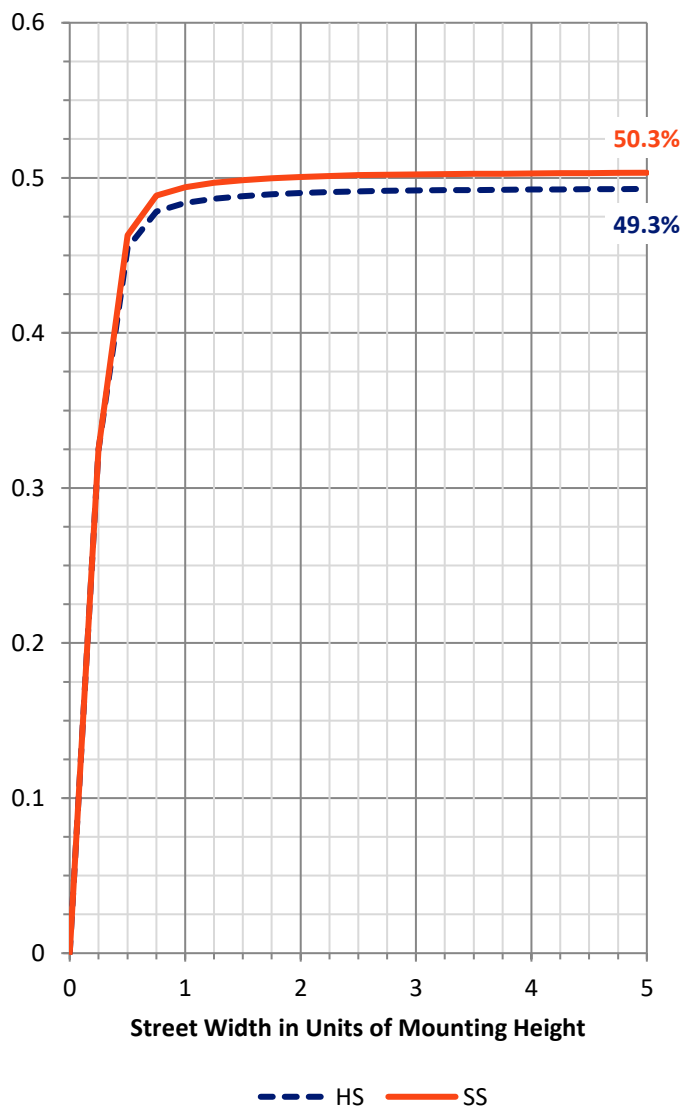
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7987.5	0.0	7987.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7987.5	0.0	7987.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15974.9	0.0	15974.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3648.2	22.8
10°-20°	5958.5	37.3
20°-30°	4656.2	29.1
30°-40°	1014.9	6.4
40°-50°	300.5	1.9
50°-60°	187.9	1.2
60°-70°	131.4	0.8
70°-80°	56.4	0.4
80°-90°	20.8	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°	15974.9	100.0
0°-180°	15974.9	100.0



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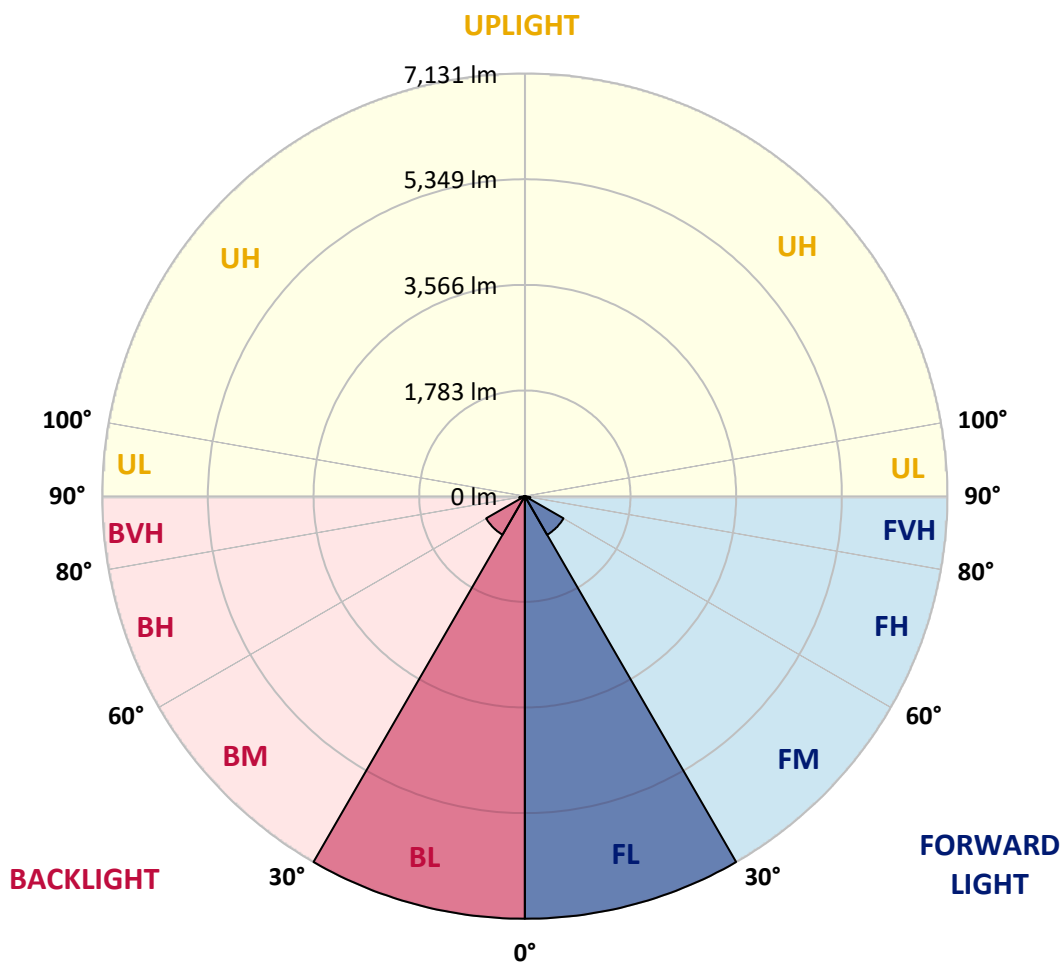
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7131.5	44.6			
FM (30°-60°)	751.7	4.7			
FH (60°-80°)	93.9	0.6			G0/660
FVH (80°-90°)	10.4	0.1			G1/100
BL (0°-30°)	7131.5	44.6	B5		
BM (30°-60°)	751.7	4.7	B1/1000		
BH (60°-80°)	93.9	0.6	B0/110		G0/660
BVH (80°-90°)	10.4	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°	47948.9	47948.9	47948.9	47948.9	47948.9	47948.9	47948.9	47948.9	47948.9	47948.9
1°	47254.8	47260.6	47518.0	47575.8	47752.3	47841.9	48003.9	47986.5	47937.3	47943.1
2°	46384.4	46346.8	46586.8	46852.9	47064.0	47237.5	47431.3	47471.7	47425.5	47468.8
3°	44952.8	44897.9	45233.4	45565.9	45933.2	46231.1	46523.2	46534.7	46479.8	46476.9
4°	43070.2	42968.9	43368.0	43960.9	44423.6	44819.8	45184.2	45178.4	45103.2	45163.9
5°	40794.2	40666.9	41184.6	41965.4	42650.8	43128.0	43530.0	43434.5	43261.0	43269.7
6°	38000.5	38124.9	38758.2	39854.3	40664.0	41060.2	41554.8	41375.5	41074.7	41042.9
7°	35374.6	35655.1	36161.2	37482.9	38445.9	38862.3	39281.7	38920.2	38512.4	38445.9
8°	32609.9	33078.4	33778.2	34995.8	36022.4	36441.8	36600.8	36213.3	35776.6	35759.2
9°	30368.6	30689.6	31291.1	32364.1	33408.1	33688.6	33723.3	33384.9	32948.2	32977.2
10°	28329.8	28390.5	28911.1	29833.6	30669.4	30868.9	30860.2	30614.4	30255.8	30351.3
12.5°	23766.2	23931.1	24081.5	24376.4	24657.0	24787.1	24737.9	24636.7	24440.1	24448.7
15°	20668.9	20666.0	20683.4	20819.3	20903.2	20917.6	20917.6	20790.4	20706.5	20830.9
17.5°	17936.0	18086.4	18355.4	18465.2	18575.1	18534.7	18459.5	18401.6	18346.7	18453.7
20°	15810.4	15876.9	15879.8	15952.1	16507.4	16536.3	16440.9	16276.0	16137.2	16111.2
22.5°	13418.8	13520.0	13563.4	13627.0	13684.8	14107.0	13994.3	13728.2	13563.4	13514.2
25°	10072.7	10038.0	10321.5	10842.0	10925.9	10977.9	10949.0	10810.2	10703.2	10723.4
27.5°	6961.0	7021.7	7010.1	7015.9	7568.3	7565.4	7556.7	7435.3	7403.5	7357.2
30°	3892.6	3863.7	3878.1	3840.5	3762.5	3857.9	3704.6	3834.8	3707.5	3748.0
32.5°	2302.0	2281.8	2261.5	2270.2	2212.4	2070.7	2009.9	2099.6	2070.7	2059.1
35°	1469.1	1477.8	1503.8	1500.9	1448.9	1367.9	1281.1	1362.1	1350.6	1315.8
37.5°	937.0	937.0	945.7	1020.9	977.5	908.1	847.3	882.1	879.2	873.4
40°	665.2	665.2	676.7	697.0	673.8	639.1	604.4	604.4	610.2	592.9
42.5°	494.5	494.5	506.1	517.7	488.7	477.2	459.8	448.3	462.7	448.3
45°	387.5	384.6	387.5	381.7	364.4	364.4	349.9	332.6	349.9	341.3
47.5°	318.1	315.2	312.3	300.8	283.4	286.3	280.5	266.1	274.7	271.8
50°	277.6	271.8	274.7	263.2	248.7	245.8	245.8	231.4	234.2	234.2
52.5°	242.9	242.9	240.0	234.2	228.5	216.9	219.8	205.3	205.3	205.3
55°	228.5	228.5	222.7	211.1	214.0	205.3	196.7	188.0	185.1	185.1
57.5°	225.6	225.6	222.7	211.1	202.4	199.5	188.0	176.4	167.7	170.6
60°	219.8	219.8	214.0	211.1	196.7	190.9	173.5	164.8	153.3	153.3
62.5°	211.1	208.2	196.7	179.3	179.3	164.8	153.3	135.9	127.2	124.4
65°	179.3	176.4	167.7	153.3	144.6	135.9	118.6	101.2	95.4	86.8
67.5°	147.5	147.5	141.7	127.2	121.5	109.9	89.7	78.1	63.6	57.8
70°	121.5	121.5	115.7	107.0	101.2	86.8	69.4	57.8	43.4	37.6
72.5°	98.3	98.3	92.5	86.8	81.0	72.3	57.8	43.4	28.9	23.1
75°	78.1	78.1	75.2	69.4	63.6	57.8	46.3	34.7	20.2	11.6
77.5°	63.6	63.6	60.7	57.8	52.1	46.3	37.6	28.9	14.5	5.8
80°	49.2	49.2	49.2	49.2	43.4	37.6	31.8	23.1	11.6	2.9
82.5°	34.7	34.7	37.6	43.4	34.7	28.9	28.9	23.1	8.7	2.9
85°	23.1	26.0	28.9	26.0	23.1	23.1	40.5	37.6	8.7	2.9
87.5°	11.6	11.6	11.6	11.6	11.6	8.7	11.6	8.7	5.8	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°  
47948.9  
47587.4  
47127.6  
46225.3  
44877.6  
42847.5  
40620.7  
38130.7  
35125.9  
32546.3  
30015.8  
24162.4  
20541.7  
18207.9  
15943.4  
13337.8  
10654.0  
7189.4  
3797.2  
2030.2  
1278.3  
861.8  
587.1  
445.4  
341.3  
271.8  
237.1  
205.3  
182.2  
170.6  
144.6  
118.6  
83.9  
54.9  
34.7  
20.2  
8.7  
5.8  
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