

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: P636011

Luminaire Tested: **IFLD-L-SA8D-927-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636011  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8D-927-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (128) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33536.9 lumens  
Efficiency: N/A  
Efficacy: 68.7 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

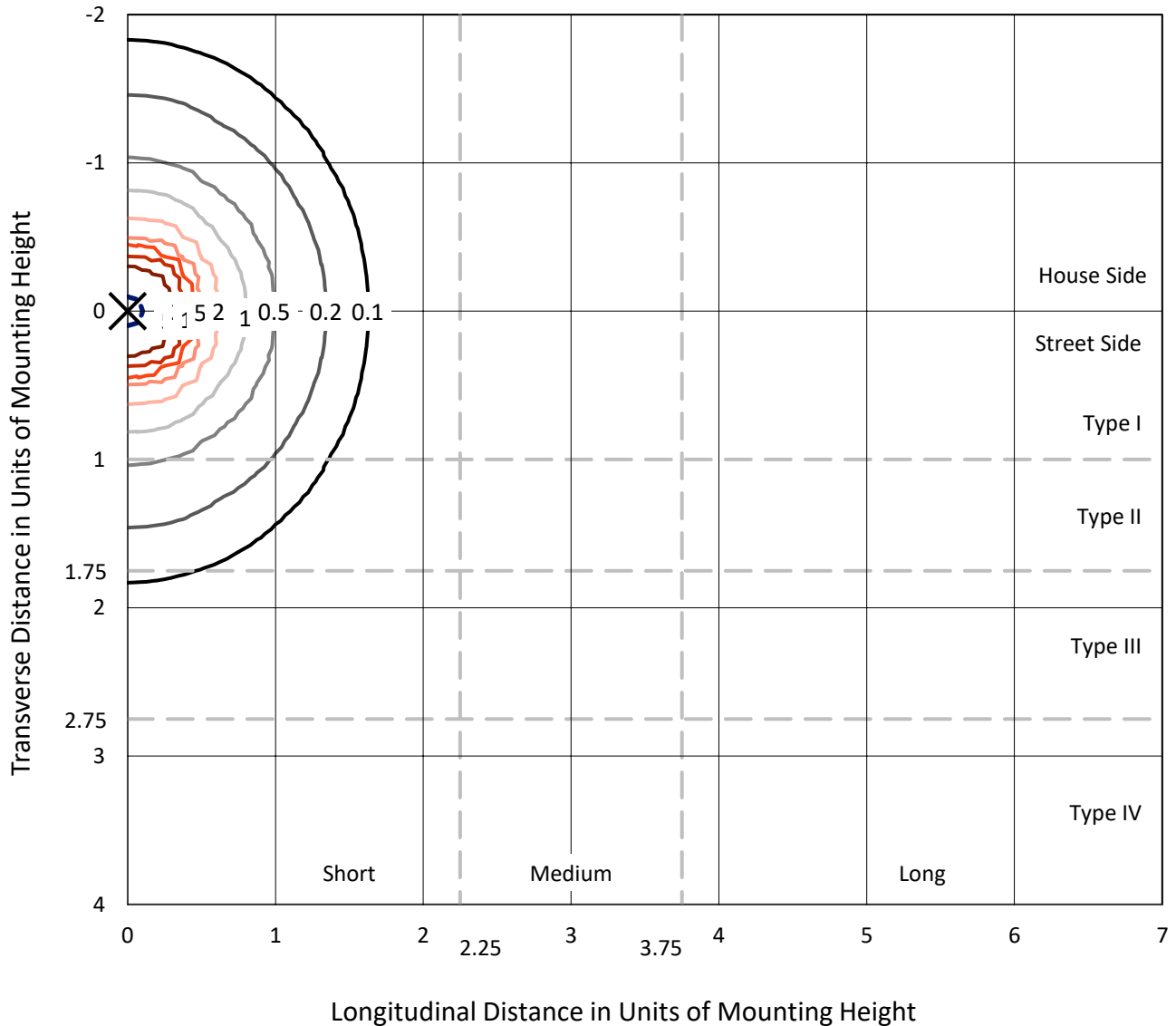
Input Watts (W): 488.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

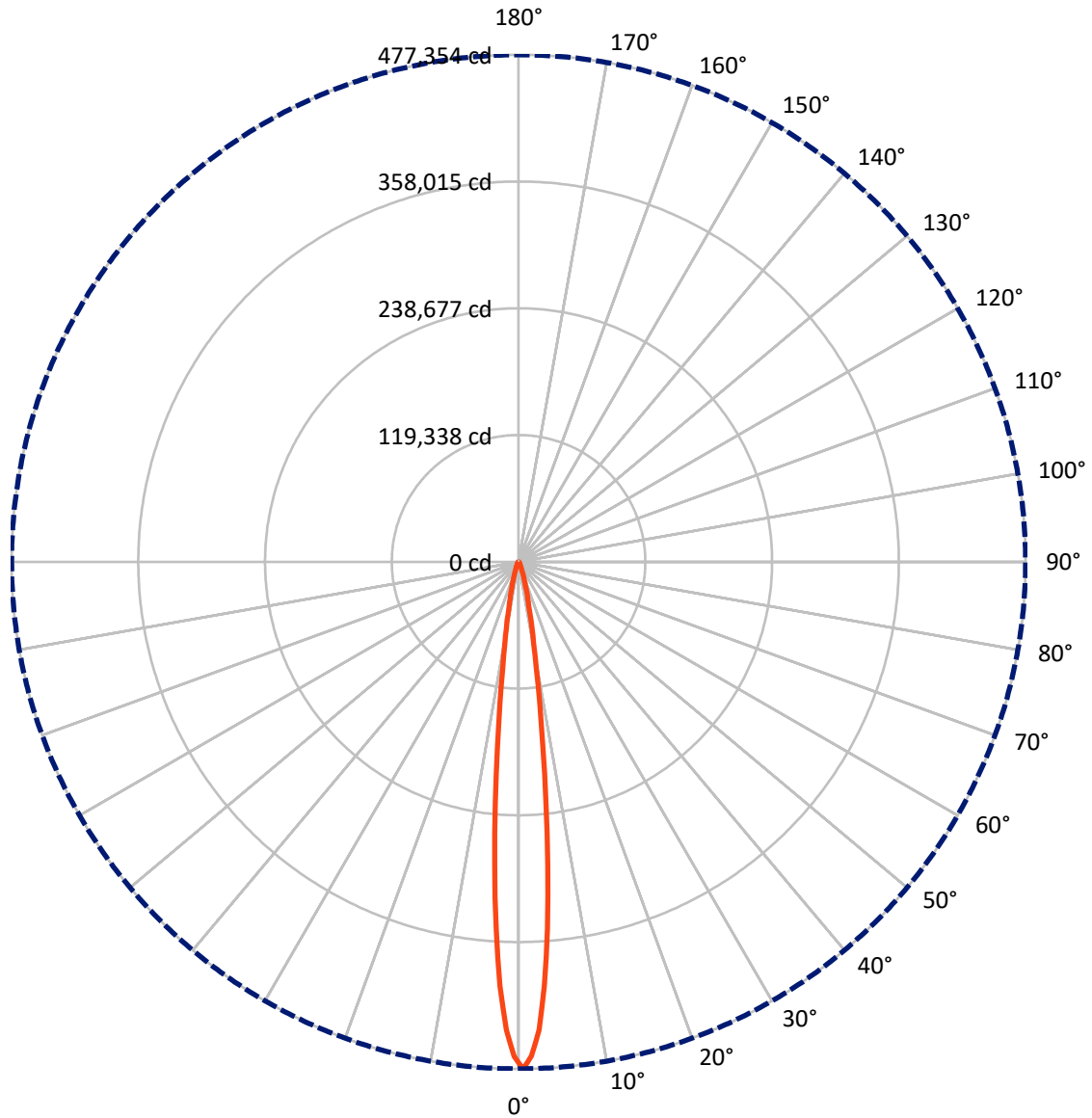
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1193.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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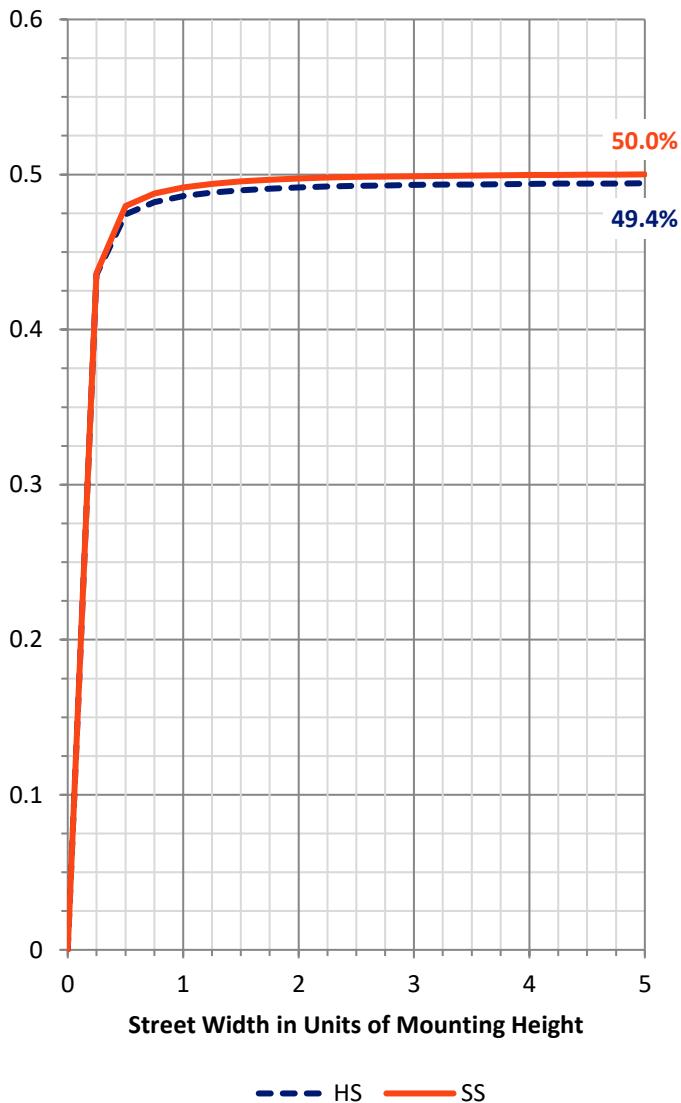
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16768.4	0.0	16768.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16768.4	0.0	16768.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33536.9	0.0	33536.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20443.4	61.0
10°-20°	9158.8	27.3
20°-30°	2045.4	6.1
30°-40°	667.6	2.0
40°-50°	460.4	1.4
50°-60°	347.8	1.0
60°-70°	238.0	0.7
70°-80°	125.4	0.4
80°-90°	50.0	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°	33536.9	100.0
0°-180°	33536.9	100.0

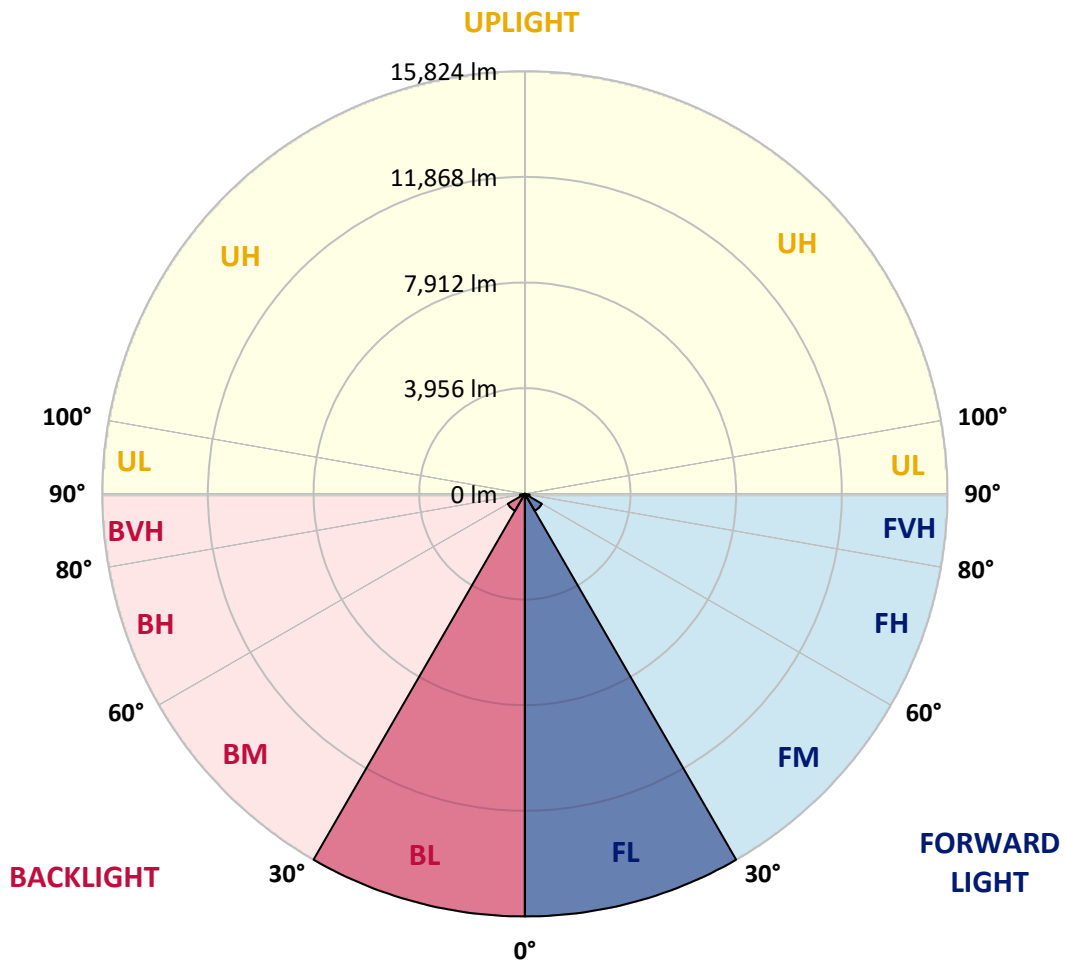


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15823.8	47.2			
FM (30°-60°)	737.9	2.2			
FH (60°-80°)	181.7	0.5			G0/660
FVH (80°-90°)	25.0	0.1			G1/100
BL (0°-30°)	15823.8	47.2	B5		
BM (30°-60°)	737.9	2.2	B1/1000		
BH (60°-80°)	181.7	0.5	B1/500		G0/660
BVH (80°-90°)	25.0	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°	477353.5	477353.5	477353.5	477353.5	477353.5	477353.5	477353.5	477353.5	477353.5	477353.5
1°	465502.0	466135.2	465430.3	468990.6	470460.1	471224.7	471314.3	473321.4	471774.2	472204.3
2°	440968.6	442378.3	440018.8	442300.7	446864.5	448590.8	445777.3	449253.9	448011.4	448734.2
3°	399745.0	401471.4	398209.8	400999.4	406871.5	408185.6	403574.0	408514.2	408388.7	409428.1
4°	346610.1	349411.7	344752.4	348055.7	350654.2	355230.0	350761.8	356382.9	356275.4	358079.4
5°	286295.0	289323.6	285273.6	288702.4	291163.5	292866.0	291229.2	297447.7	297841.9	299705.7
6°	227276.2	230101.7	225579.7	228853.2	232754.0	233452.9	233028.8	238381.1	239569.8	238118.2
7°	174912.0	175616.8	174906.0	177880.8	181011.0	181124.5	181674.0	186381.2	187426.6	186924.8
8°	133957.2	130731.5	133503.2	135080.2	136047.9	140492.3	140820.8	143192.3	145115.8	145253.2
9°	101968.8	98982.0	102189.8	102817.0	105039.2	108987.7	108491.9	111084.4	112291.1	112213.4
10°	77740.0	76222.7	77829.6	78522.5	80350.4	83695.6	84275.1	85463.8	86359.8	86945.2
12.5°	42185.3	42537.8	43469.6	44198.4	46659.5	47549.6	47908.0	48009.5	48003.6	48099.1
15°	26206.0	26492.8	27143.9	28464.0	29963.4	31068.5	31223.8	30650.4	30154.6	30076.9
17.5°	16343.7	16230.2	17759.4	19205.0	21009.0	21582.5	20985.1	20328.0	19653.0	19264.7
20°	9808.6	9886.2	10406.0	11051.1	12508.6	13500.3	12879.0	12210.0	11511.1	11051.1
22.5°	5573.3	5657.0	5884.0	6218.5	6774.0	7676.0	7281.8	6606.8	6111.0	5907.9
25°	3291.4	3291.4	3428.8	3578.2	3811.1	4020.2	3936.6	3578.2	3285.5	3201.8
27.5°	2132.6	2114.6	2162.4	2234.1	2341.6	2353.6	2258.0	2150.5	2001.1	1947.4
30°	1559.1	1565.1	1559.1	1589.0	1583.0	1541.2	1481.4	1487.4	1427.7	1421.7
32.5°	1266.4	1272.4	1272.4	1266.4	1236.5	1170.8	1129.0	1170.8	1158.9	1146.9
35°	1051.3	1057.3	1117.1	1111.1	1063.3	991.6	961.7	1009.5	1045.4	991.6
37.5°	908.0	914.0	961.7	985.6	925.9	878.1	842.3	884.1	937.8	878.1
40°	800.5	806.4	818.4	824.4	794.5	770.6	752.7	764.6	788.5	758.6
42.5°	704.9	698.9	704.9	698.9	663.1	675.0	663.1	645.1	663.1	639.2
45°	615.3	615.3	615.3	597.4	561.5	585.4	573.5	555.5	561.5	543.6
47.5°	561.5	561.5	561.5	537.6	507.8	507.8	513.7	483.9	489.8	483.9
50°	507.8	507.8	519.7	495.8	471.9	454.0	460.0	436.1	442.0	436.1
52.5°	465.9	465.9	465.9	454.0	436.1	424.1	412.2	400.2	394.3	388.3
55°	448.0	448.0	442.0	406.2	400.2	388.3	364.4	358.4	346.5	340.5
57.5°	418.1	418.1	412.2	382.3	358.4	358.4	322.6	316.6	298.7	298.7
60°	370.4	370.4	364.4	358.4	328.5	310.6	286.7	274.8	256.9	250.9
62.5°	352.4	352.4	340.5	310.6	304.7	274.8	250.9	227.0	215.0	203.1
65°	328.5	322.6	316.6	286.7	262.8	244.9	215.0	185.2	173.2	149.3
67.5°	292.7	292.7	286.7	262.8	238.9	209.1	179.2	155.3	125.4	107.5
70°	256.9	250.9	250.9	227.0	209.1	185.2	143.4	119.5	89.6	71.7
72.5°	215.0	215.0	209.1	191.2	179.2	161.3	125.4	95.6	59.7	47.8
75°	173.2	173.2	167.3	155.3	149.3	131.4	107.5	83.6	47.8	23.9
77.5°	143.4	137.4	137.4	125.4	119.5	107.5	89.6	65.7	35.8	17.9
80°	107.5	107.5	113.5	107.5	95.6	89.6	77.7	59.7	29.9	11.9
82.5°	77.7	77.7	83.6	83.6	83.6	77.7	77.7	59.7	29.9	6.0
85°	53.8	53.8	65.7	59.7	59.7	65.7	95.6	77.7	23.9	6.0
87.5°	29.9	29.9	29.9	23.9	23.9	29.9	35.8	29.9	11.9	6.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
477353.5  
469044.3  
446153.6  
406638.5  
354913.4  
296145.5  
238267.6  
186237.8  
143520.9  
114041.3  
87291.7  
48176.8  
29838.0  
19205.0  
11152.6  
5931.7  
3189.9  
1947.4  
1415.7  
1123.0  
979.7  
872.1  
746.7  
639.2  
543.6  
483.9  
436.1  
388.3  
334.5  
298.7  
238.9  
197.1  
143.4  
107.5  
71.7  
41.8  
23.9  
11.9  
6.0  
6.0  
6.0  
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