

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: P636318

Luminaire Tested: **IFLD-M-SA4B-930-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636318  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4B-930-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (64) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13665.6 lumens  
Efficiency: N/A  
Efficacy: 82.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

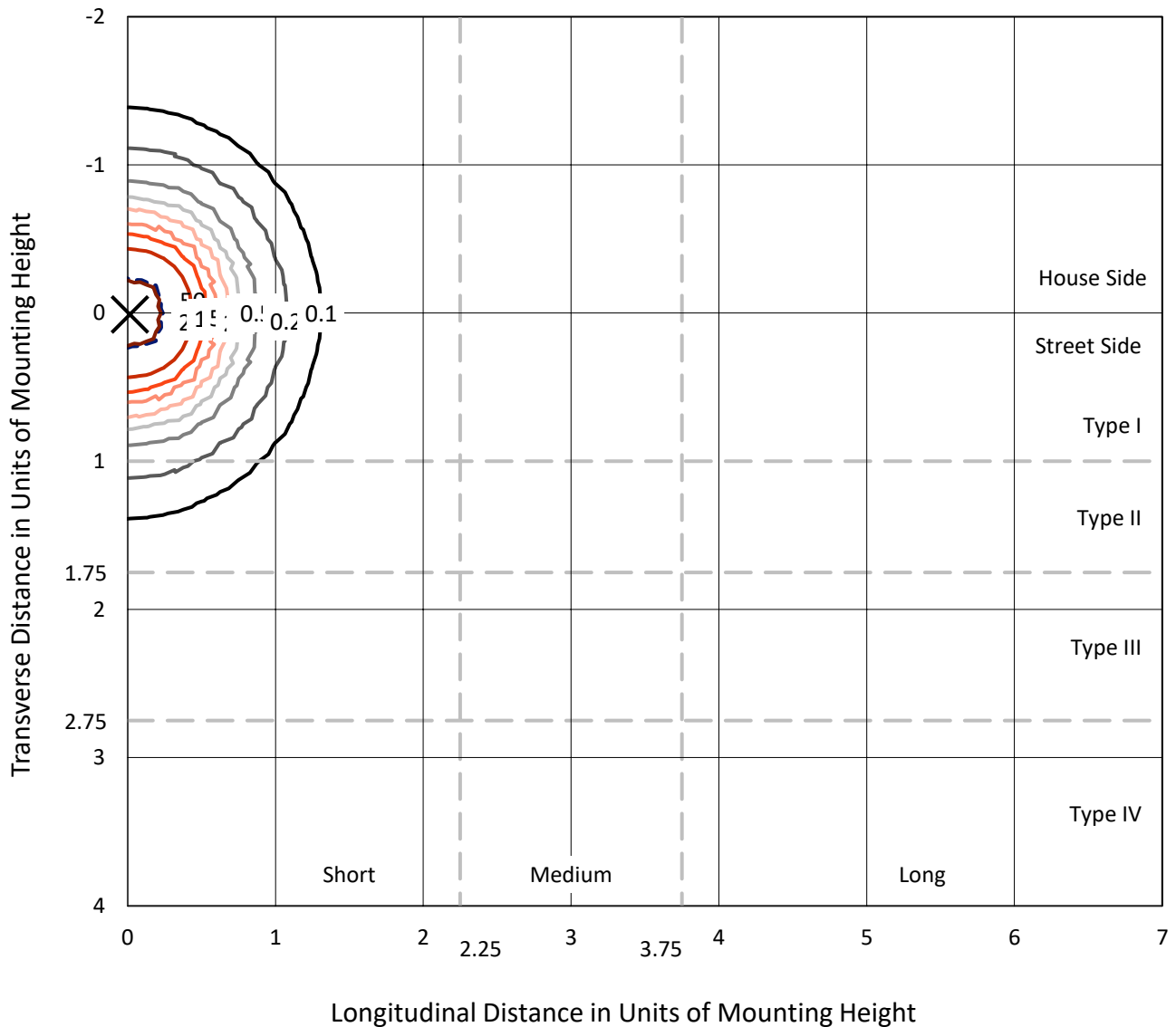
Input Watts (W): 166.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

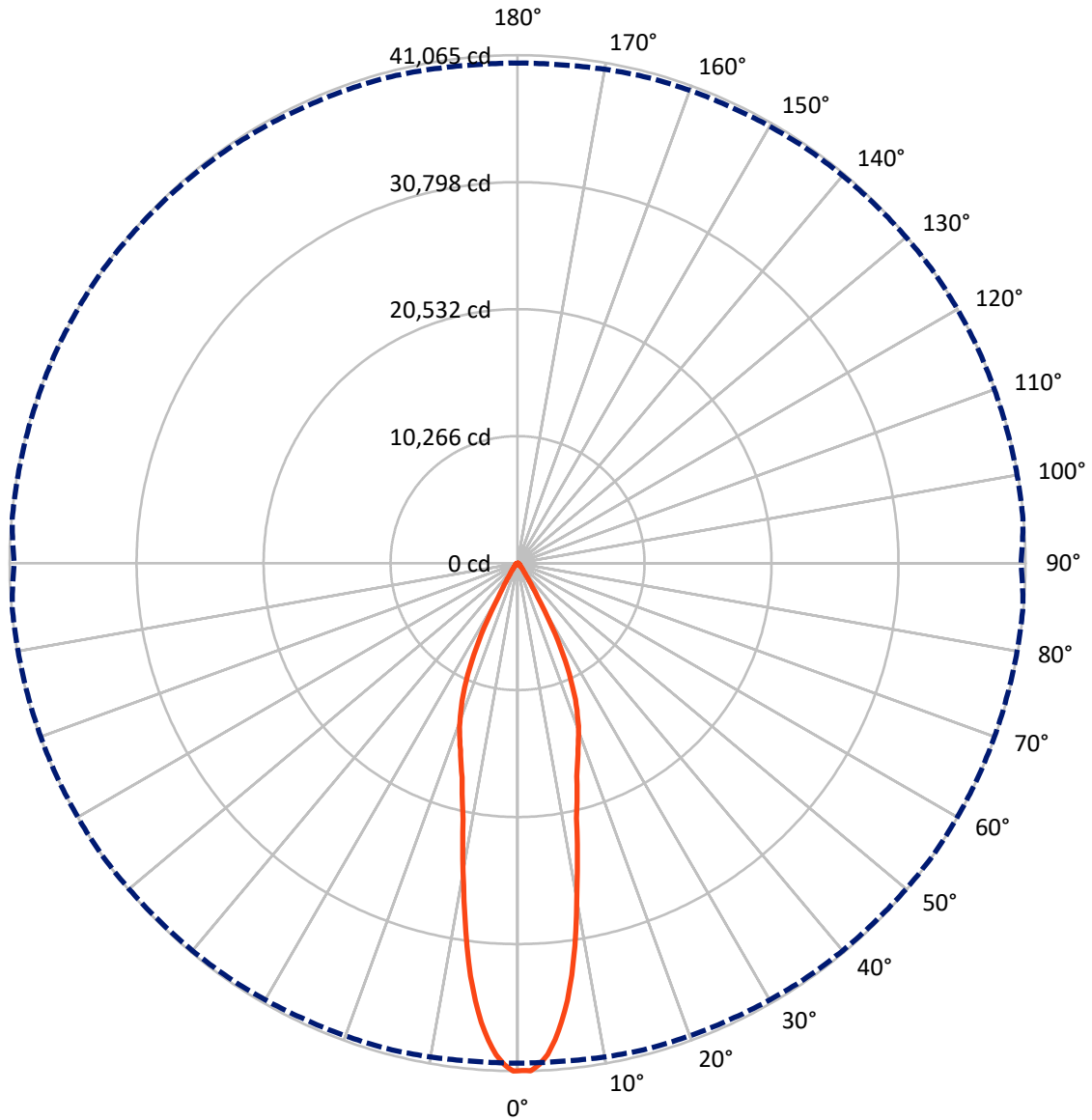
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 102.5 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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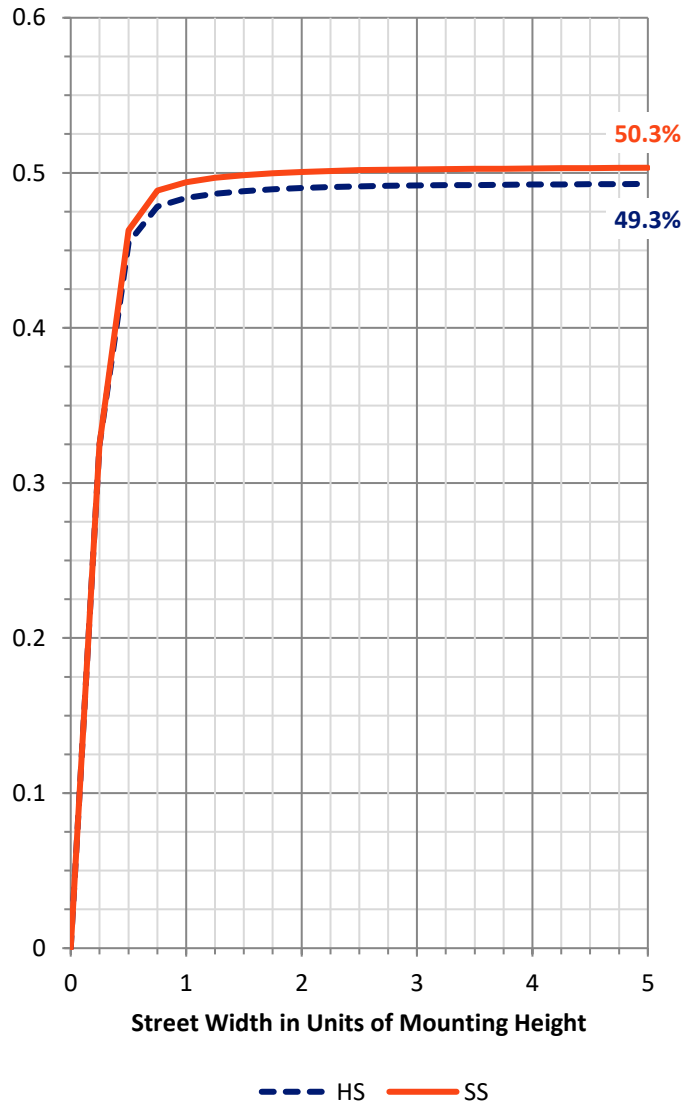
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6832.8	0.0	6832.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6832.8	0.0	6832.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13665.6	0.0	13665.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3120.8	22.8
10°-20°	5097.2	37.3
20°-30°	3983.1	29.1
30°-40°	868.2	6.4
40°-50°	257.1	1.9
50°-60°	160.8	1.2
60°-70°	112.4	0.8
70°-80°	48.2	0.4
80°-90°	17.8	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°	13665.6	100.0
0°-180°	13665.6	100.0



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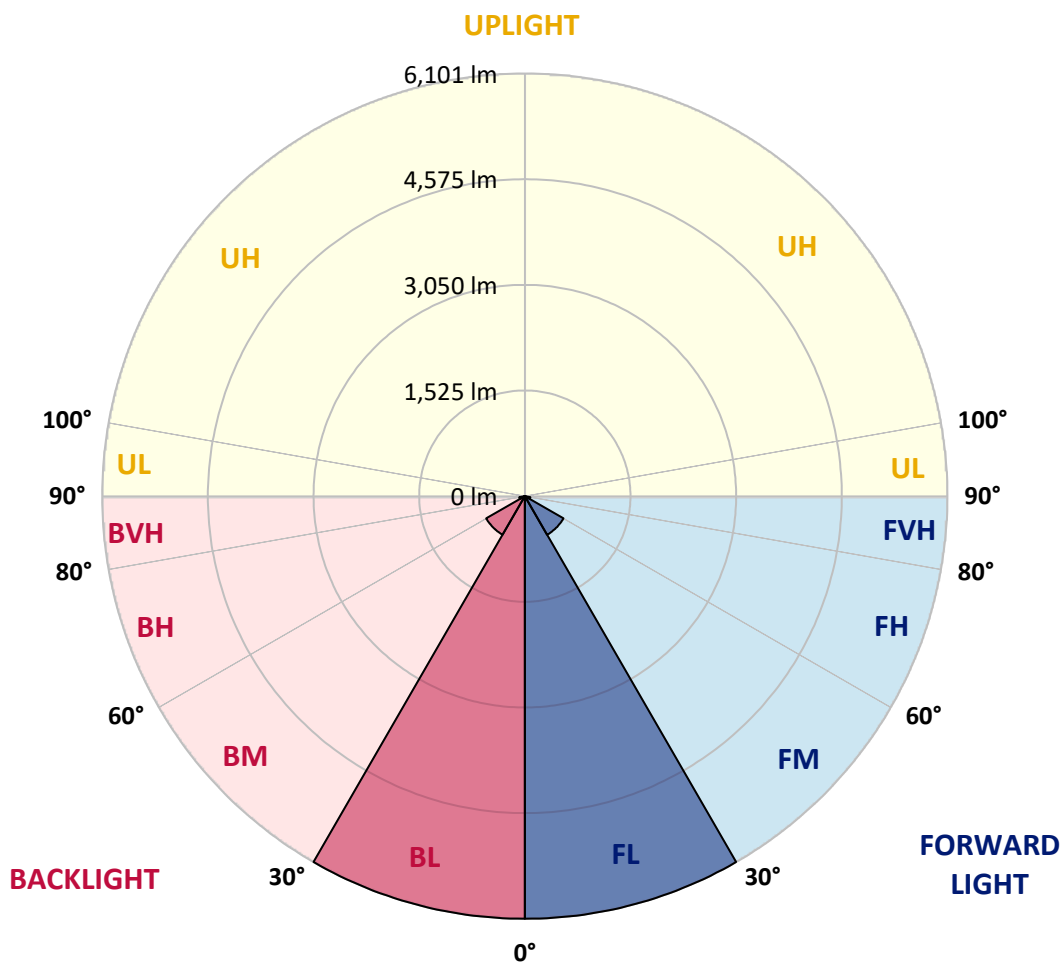
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6100.6	44.6			
FM (30°-60°)	643.0	4.7			
FH (60°-80°)	80.3	0.6			G0/660
FVH (80°-90°)	8.9	0.1			G0/10
BL (0°-30°)	6100.6	44.6	B5		
BM (30°-60°)	643.0	4.7	B1/1000		
BH (60°-80°)	80.3	0.6	B0/110		G0/660
BVH (80°-90°)	8.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	41017.6	41017.6	41017.6	41017.6	41017.6	41017.6	41017.6	41017.6	41017.6	41017.6
1°	40423.8	40428.8	40649.0	40698.4	40849.4	40926.0	41064.6	41049.7	41007.7	41012.6
2°	39679.2	39647.0	39852.4	40080.0	40260.6	40409.0	40574.7	40609.4	40569.8	40606.9
3°	38454.6	38407.6	38694.6	38979.1	39293.3	39548.1	39797.9	39807.8	39760.8	39758.4
4°	36844.1	36757.5	37098.9	37606.0	38001.9	38340.8	38652.5	38647.6	38583.2	38635.2
5°	34897.1	34788.3	35231.1	35899.0	36485.4	36893.6	37237.4	37155.8	37007.4	37014.8
6°	32507.3	32613.7	33155.5	34093.1	34785.8	35124.7	35547.7	35394.4	35137.1	35109.9
7°	30261.0	30500.9	30933.9	32064.5	32888.3	33244.5	33603.2	33294.0	32945.2	32888.3
8°	27895.9	28296.7	28895.4	29936.9	30815.1	31173.9	31309.9	30978.4	30604.9	30590.0
9°	25978.6	26253.2	26767.8	27685.6	28578.7	28818.7	28848.4	28558.9	28185.4	28210.1
10°	24234.5	24286.5	24731.8	25521.0	26235.9	26406.6	26399.2	26188.9	25882.1	25963.8
12.5°	20330.7	20471.7	20600.3	20852.7	21092.6	21204.0	21161.9	21075.3	20907.1	20914.5
15°	17681.1	17678.6	17693.5	17809.7	17881.5	17893.9	17893.9	17785.0	17713.3	17819.6
17.5°	15343.2	15471.9	15702.0	15796.0	15890.0	15855.3	15791.0	15741.5	15694.5	15786.1
20°	13524.9	13581.8	13584.3	13646.1	14121.1	14145.9	14064.2	13923.2	13804.5	13782.2
22.5°	11479.0	11565.6	11602.7	11657.1	11706.6	12067.8	11971.3	11743.7	11602.7	11560.6
25°	8616.7	8587.0	8829.4	9274.7	9346.5	9391.0	9366.3	9247.5	9156.0	9173.3
27.5°	5954.7	6006.7	5996.8	6001.7	6474.2	6471.8	6464.4	6360.4	6333.2	6293.7
30°	3329.9	3305.2	3317.5	3285.4	3218.6	3300.2	3169.1	3280.4	3171.6	3206.2
32.5°	1969.2	1951.9	1934.6	1942.0	1892.5	1771.3	1719.4	1796.1	1771.3	1761.4
35°	1256.8	1264.2	1286.4	1284.0	1239.4	1170.2	1095.9	1165.2	1155.3	1125.6
37.5°	801.5	801.5	809.0	873.3	836.2	776.8	724.9	754.5	752.1	747.1
40°	569.0	569.0	578.9	596.2	576.4	546.7	517.0	517.0	522.0	507.2
42.5°	423.0	423.0	432.9	442.8	418.1	408.2	393.4	383.5	395.8	383.5
45°	331.5	329.0	331.5	326.6	311.7	311.7	299.3	284.5	299.3	291.9
47.5°	272.1	269.7	267.2	257.3	242.4	244.9	240.0	227.6	235.0	232.5
50°	237.5	232.5	235.0	225.1	212.8	210.3	210.3	197.9	200.4	200.4
52.5°	207.8	207.8	205.3	200.4	195.4	185.5	188.0	175.6	175.6	175.6
55°	195.4	195.4	190.5	180.6	183.1	175.6	168.2	160.8	158.3	158.3
57.5°	193.0	193.0	190.5	180.6	173.2	170.7	160.8	150.9	143.5	146.0
60°	188.0	188.0	183.1	180.6	168.2	163.3	148.4	141.0	131.1	131.1
62.5°	180.6	178.1	168.2	153.4	153.4	141.0	131.1	116.3	108.9	106.4
65°	153.4	150.9	143.5	131.1	123.7	116.3	101.4	86.6	81.6	74.2
67.5°	126.2	126.2	121.2	108.9	103.9	94.0	76.7	66.8	54.4	49.5
70°	103.9	103.9	99.0	91.5	86.6	74.2	59.4	49.5	37.1	32.2
72.5°	84.1	84.1	79.2	74.2	69.3	61.8	49.5	37.1	24.7	19.8
75°	66.8	66.8	64.3	59.4	54.4	49.5	39.6	29.7	17.3	9.9
77.5°	54.4	54.4	52.0	49.5	44.5	39.6	32.2	24.7	12.4	4.9
80°	42.1	42.1	42.1	42.1	37.1	32.2	27.2	19.8	9.9	2.5
82.5°	29.7	29.7	32.2	37.1	29.7	24.7	24.7	19.8	7.4	2.5
85°	19.8	22.3	24.7	22.3	19.8	19.8	34.6	32.2	7.4	2.5
87.5°	9.9	9.9	9.9	9.9	9.9	7.4	9.9	7.4	4.9	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°  
41017.6  
40708.3  
40315.0  
39543.1  
38390.3  
36653.6  
34748.7  
32618.6  
30048.2  
27841.5  
25676.8  
20669.6  
17572.2  
15575.8  
13638.7  
11409.7  
9113.9  
6150.2  
3248.3  
1736.7  
1093.5  
737.2  
502.2  
381.0  
291.9  
232.5  
202.9  
175.6  
155.9  
146.0  
123.7  
101.4  
71.7  
47.0  
29.7  
17.3  
7.4  
4.9  
2.5  
2.5  
2.5  
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0.0

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