

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: P636274

Luminaire Tested: **IFLD-S-SA2B-927-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636274  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-927-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (32) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6758 lumens  
Efficiency: N/A  
Efficacy: 82.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

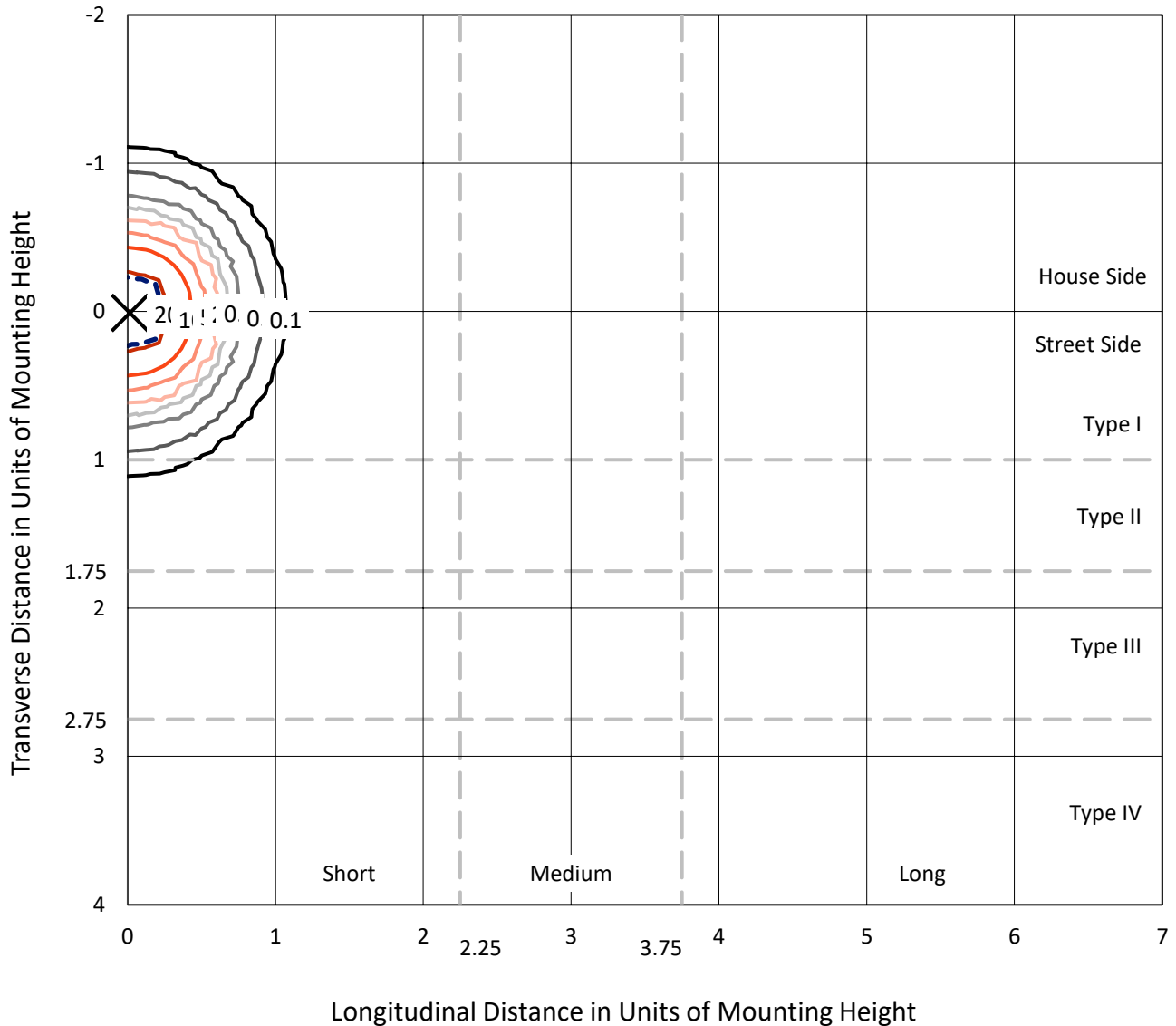
Input Watts (W): 82.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

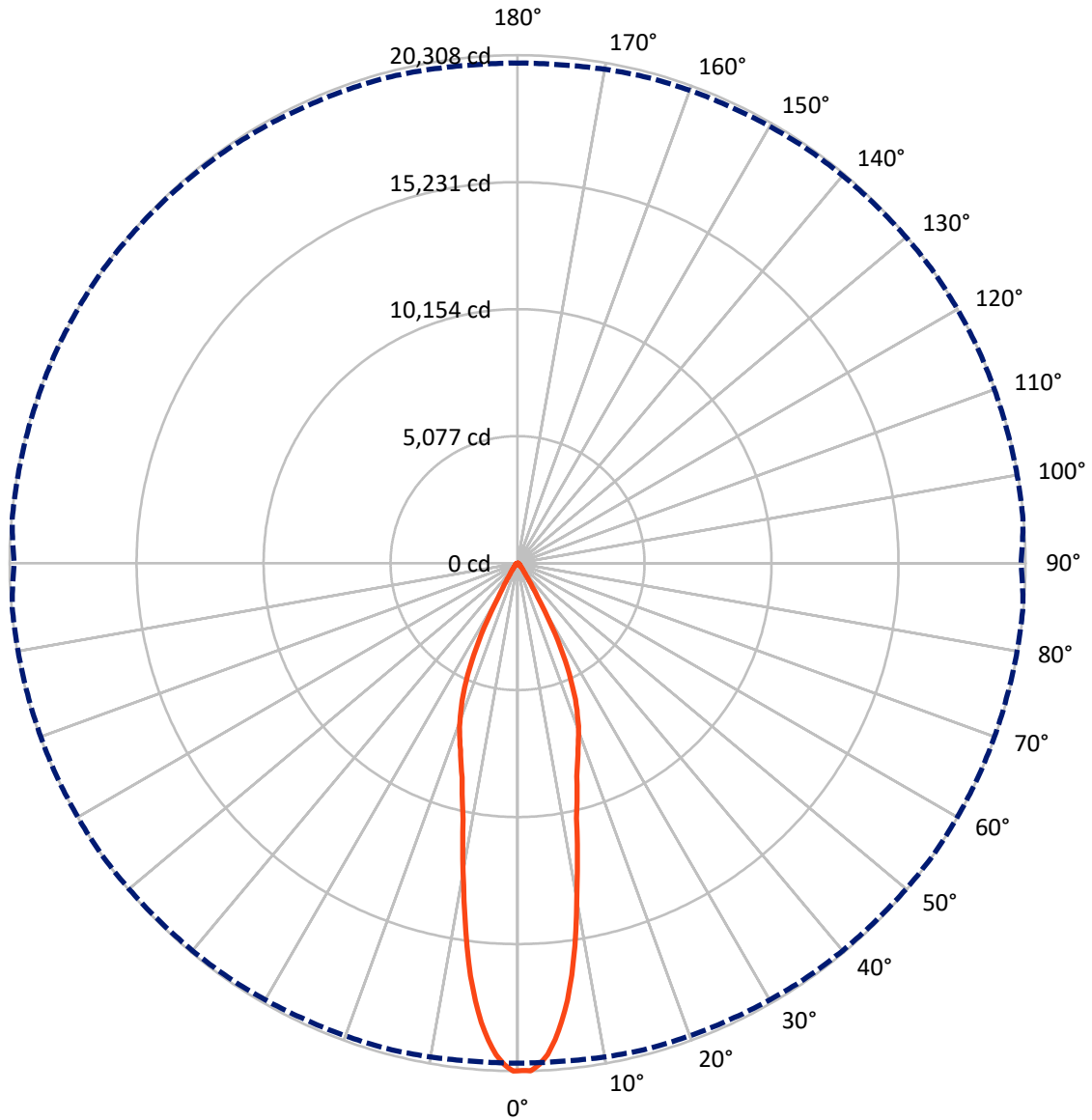
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 50.7 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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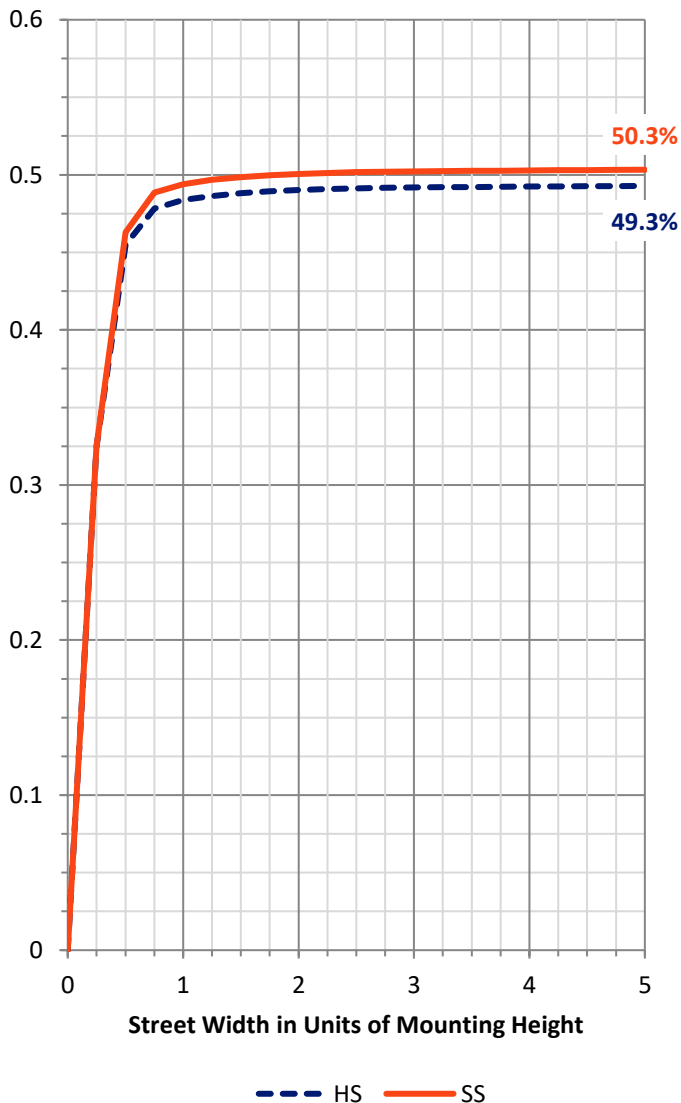
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3379.0	0.0	3379.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3379.0	0.0	3379.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6758.0	0.0	6758.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1543.3	22.8
10°-20°	2520.7	37.3
20°-30°	1969.7	29.1
30°-40°	429.4	6.4
40°-50°	127.1	1.9
50°-60°	79.5	1.2
60°-70°	55.6	0.8
70°-80°	23.9	0.4
80°-90°	8.8	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°	6758.0	100.0
0°-180°	6758.0	100.0



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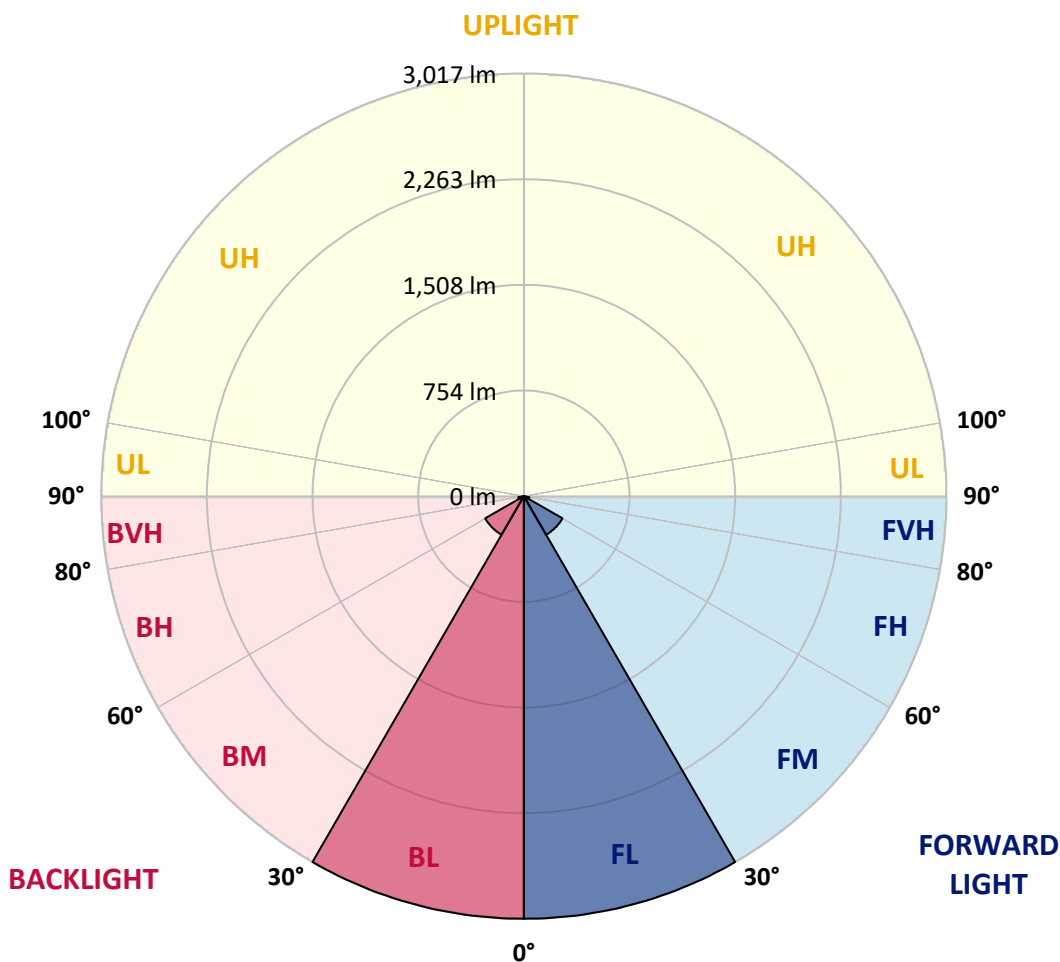
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3016.9	44.6			
FM (30°-60°)	318.0	4.7			
FH (60°-80°)	39.7	0.6			G0/660
FVH (80°-90°)	4.4	0.1			G0/10
BL (0°-30°)	3016.9	44.6	B4/5000		
BM (30°-60°)	318.0	4.7	B1/1000		
BH (60°-80°)	39.7	0.6	B0/110		G0/660
BVH (80°-90°)	4.4	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°	20284.2	20284.2	20284.2	20284.2	20284.2	20284.2	20284.2	20284.2	20284.2	20284.2
1°	19990.6	19993.0	20101.9	20126.4	20201.0	20238.9	20307.5	20300.1	20279.3	20281.8
2°	19622.3	19606.4	19708.0	19820.5	19909.8	19983.3	20065.2	20082.3	20062.8	20081.1
3°	19016.8	18993.5	19135.4	19276.1	19431.5	19557.5	19681.1	19686.0	19662.7	19661.5
4°	18220.3	18177.5	18346.3	18597.1	18792.9	18960.5	19114.6	19112.2	19080.4	19106.1
5°	17257.5	17203.7	17422.6	17753.0	18042.9	18244.8	18414.8	18374.5	18301.1	18304.7
6°	16075.7	16128.3	16396.2	16859.9	17202.4	17370.0	17579.2	17503.4	17376.2	17362.7
7°	14964.8	15083.5	15297.6	15856.7	16264.1	16440.2	16617.6	16464.7	16292.2	16264.1
8°	13795.2	13993.4	14289.5	14804.5	15238.9	15416.2	15483.5	15319.6	15134.9	15127.5
9°	12847.1	12982.9	13237.3	13691.2	14132.9	14251.6	14266.2	14123.1	13938.4	13950.6
10°	11984.6	12010.3	12230.5	12620.7	12974.3	13058.7	13055.1	12951.1	12799.4	12839.7
12.5°	10054.0	10123.8	10187.4	10312.2	10430.8	10485.9	10465.1	10422.3	10339.1	10342.7
15°	8743.7	8742.5	8749.9	8807.4	8842.8	8849.0	8849.0	8795.1	8759.6	8812.3
17.5°	7587.6	7651.2	7765.0	7811.5	7858.0	7840.9	7809.1	7784.6	7761.3	7806.6
20°	6688.4	6716.5	6717.8	6748.4	6983.2	6995.5	6955.1	6885.4	6826.7	6815.6
22.5°	5676.6	5719.5	5737.8	5764.7	5789.2	5967.8	5920.1	5807.5	5737.8	5717.0
25°	4261.2	4246.5	4366.4	4586.6	4622.1	4644.1	4631.8	4573.1	4527.9	4536.4
27.5°	2944.8	2970.5	2965.6	2968.0	3201.7	3200.5	3196.8	3145.4	3131.9	3112.4
30°	1646.7	1634.5	1640.6	1624.7	1591.7	1632.0	1567.2	1622.2	1568.4	1585.5
32.5°	973.8	965.3	956.7	960.4	935.9	876.0	850.3	888.2	876.0	871.1
35°	621.5	625.2	636.2	635.0	612.9	578.7	542.0	576.2	571.3	556.7
37.5°	396.4	396.4	400.1	431.9	413.5	384.2	358.5	373.1	371.9	369.5
40°	281.4	281.4	286.3	294.8	285.1	270.4	255.7	255.7	258.1	250.8
42.5°	209.2	209.2	214.1	219.0	206.8	201.9	194.5	189.6	195.7	189.6
45°	163.9	162.7	163.9	161.5	154.2	154.2	148.0	140.7	148.0	144.4
47.5°	134.6	133.4	132.1	127.2	119.9	121.1	118.7	112.6	116.2	115.0
50°	117.4	115.0	116.2	111.3	105.2	104.0	104.0	97.9	99.1	99.1
52.5°	102.8	102.8	101.5	99.1	96.6	91.8	93.0	86.9	86.9	86.9
55°	96.6	96.6	94.2	89.3	90.5	86.9	83.2	79.5	78.3	78.3
57.5°	95.4	95.4	94.2	89.3	85.6	84.4	79.5	74.6	71.0	72.2
60°	93.0	93.0	90.5	89.3	83.2	80.7	73.4	69.7	64.8	64.8
62.5°	89.3	88.1	83.2	75.9	75.9	69.7	64.8	57.5	53.8	52.6
65°	75.9	74.6	71.0	64.8	61.2	57.5	50.2	42.8	40.4	36.7
67.5°	62.4	62.4	59.9	53.8	51.4	46.5	37.9	33.0	26.9	24.5
70°	51.4	51.4	48.9	45.3	42.8	36.7	29.4	24.5	18.4	15.9
72.5°	41.6	41.6	39.1	36.7	34.3	30.6	24.5	18.4	12.2	9.8
75°	33.0	33.0	31.8	29.4	26.9	24.5	19.6	14.7	8.6	4.9
77.5°	26.9	26.9	25.7	24.5	22.0	19.6	15.9	12.2	6.1	2.4
80°	20.8	20.8	20.8	20.8	18.4	15.9	13.5	9.8	4.9	1.2
82.5°	14.7	14.7	15.9	18.4	14.7	12.2	12.2	9.8	3.7	1.2
85°	9.8	11.0	12.2	11.0	9.8	9.8	17.1	15.9	3.7	1.2
87.5°	4.9	4.9	4.9	4.9	4.9	3.7	4.9	3.7	2.4	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°  
20284.2  
*20131.3*  
19936.8  
19555.1  
18984.9  
18126.1  
17184.1  
16130.7  
14859.6  
13768.3  
12697.8  
10221.6  
8689.9  
7702.6  
6744.7  
5642.4  
4507.1  
3041.4  
1606.3  
858.8  
540.7  
364.6  
248.4  
188.4  
144.4  
115.0  
100.3  
86.9  
77.1  
72.2  
61.2  
50.2  
35.5  
23.2  
14.7  
8.6  
3.7  
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1.2  
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