

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: P636203

Luminaire Tested: **IFLD-M-SA4C-935-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636203  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-935-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (64) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18066.3 lumens  
Efficiency: N/A  
Efficacy: 82.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

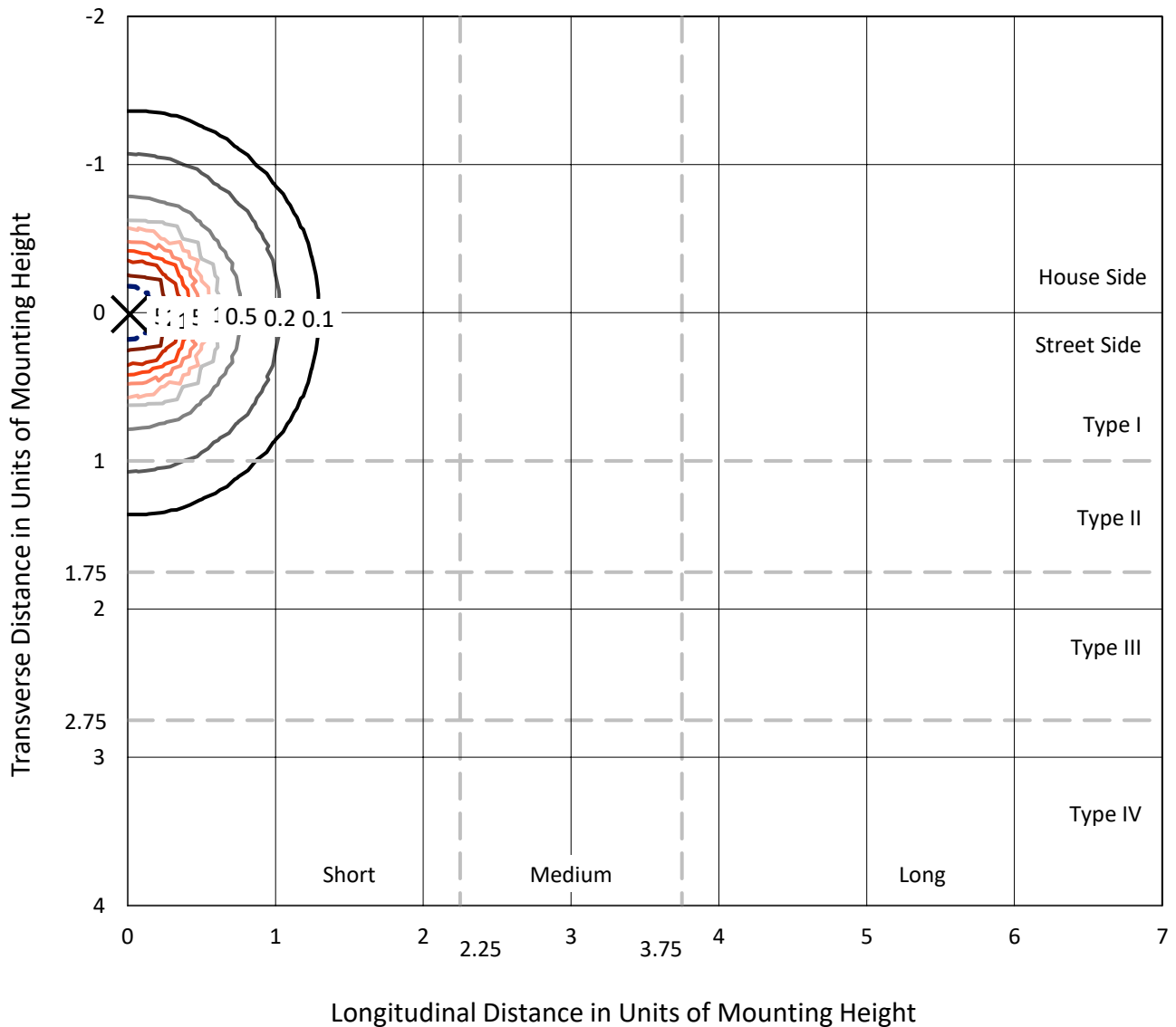
Input Watts (W): 218.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

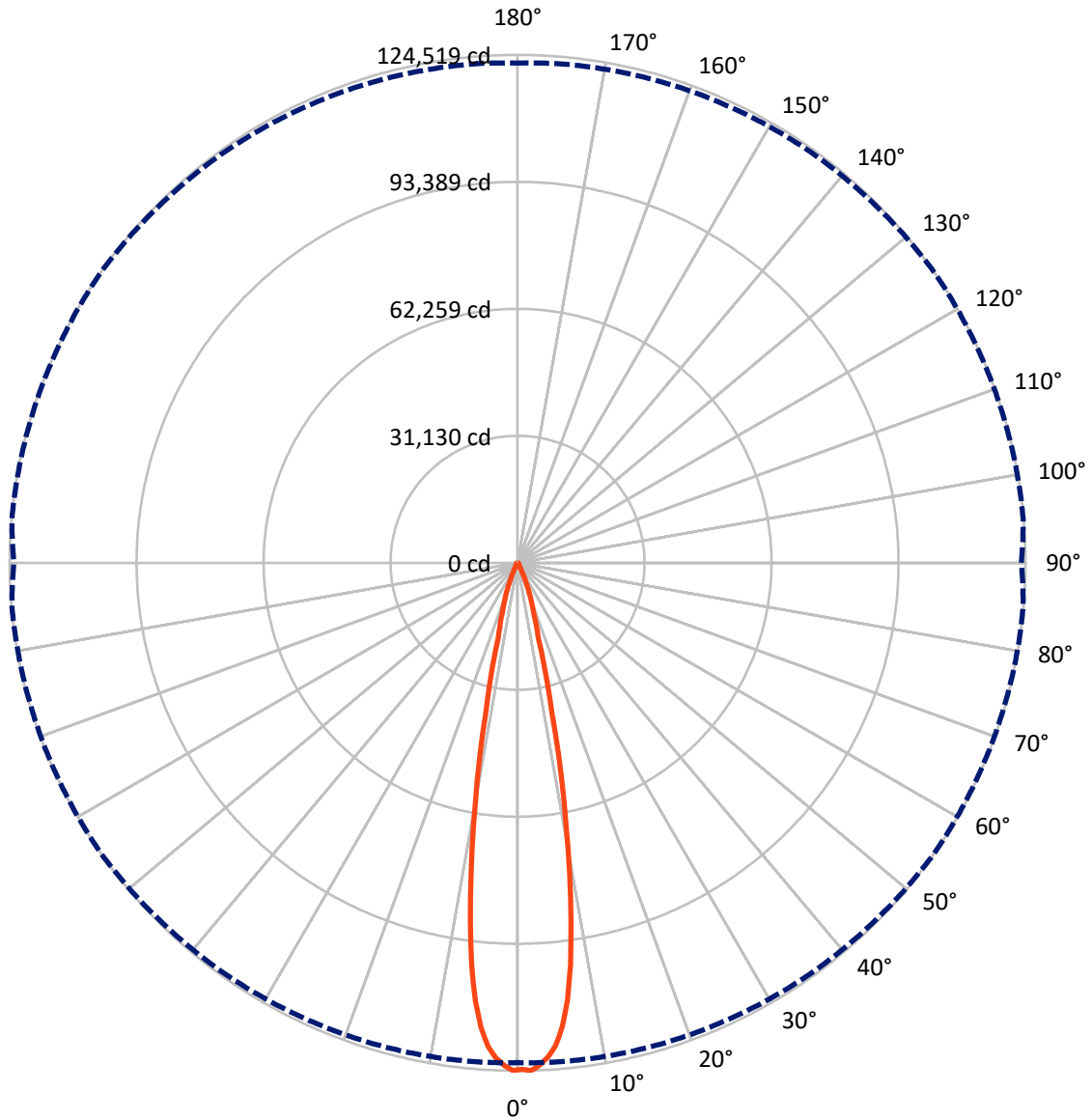
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 310.5 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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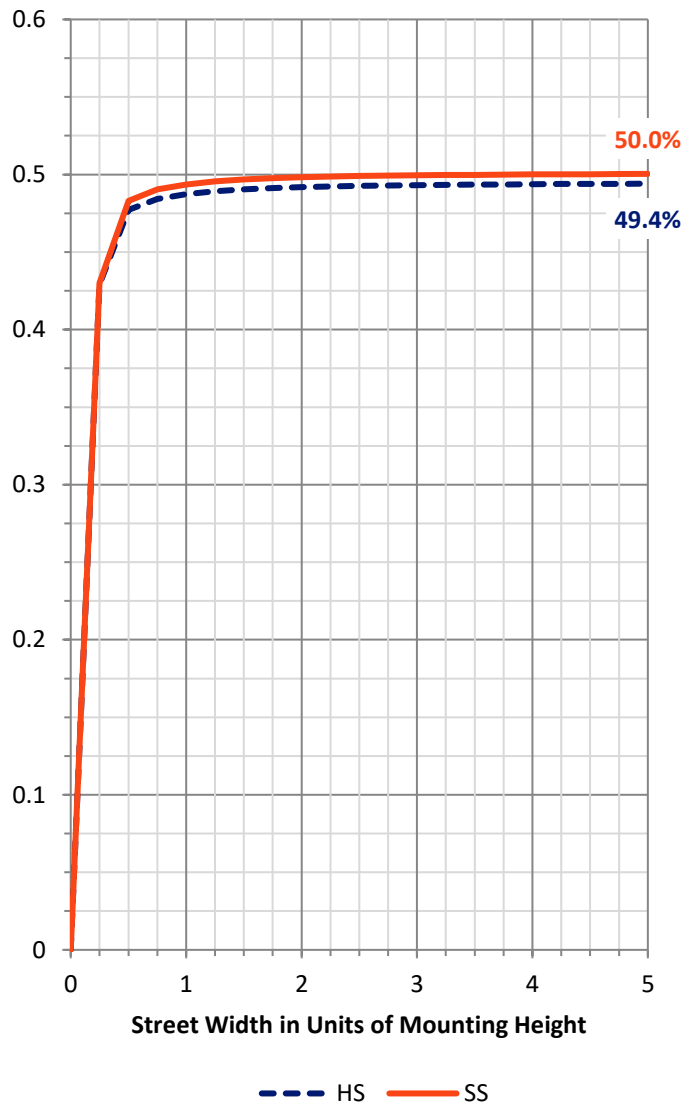
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9033.2	0.0	9033.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9033.2	0.0	9033.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	18066.3	0.0	18066.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9179.0	50.8
10°-20°	6505.3	36.0
20°-30°	1524.3	8.4
30°-40°	318.6	1.8
40°-50°	205.5	1.1
50°-60°	152.2	0.8
60°-70°	103.5	0.6
70°-80°	55.2	0.3
80°-90°	22.6	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°	18066.3	100.0
0°-180°	18066.3	100.0

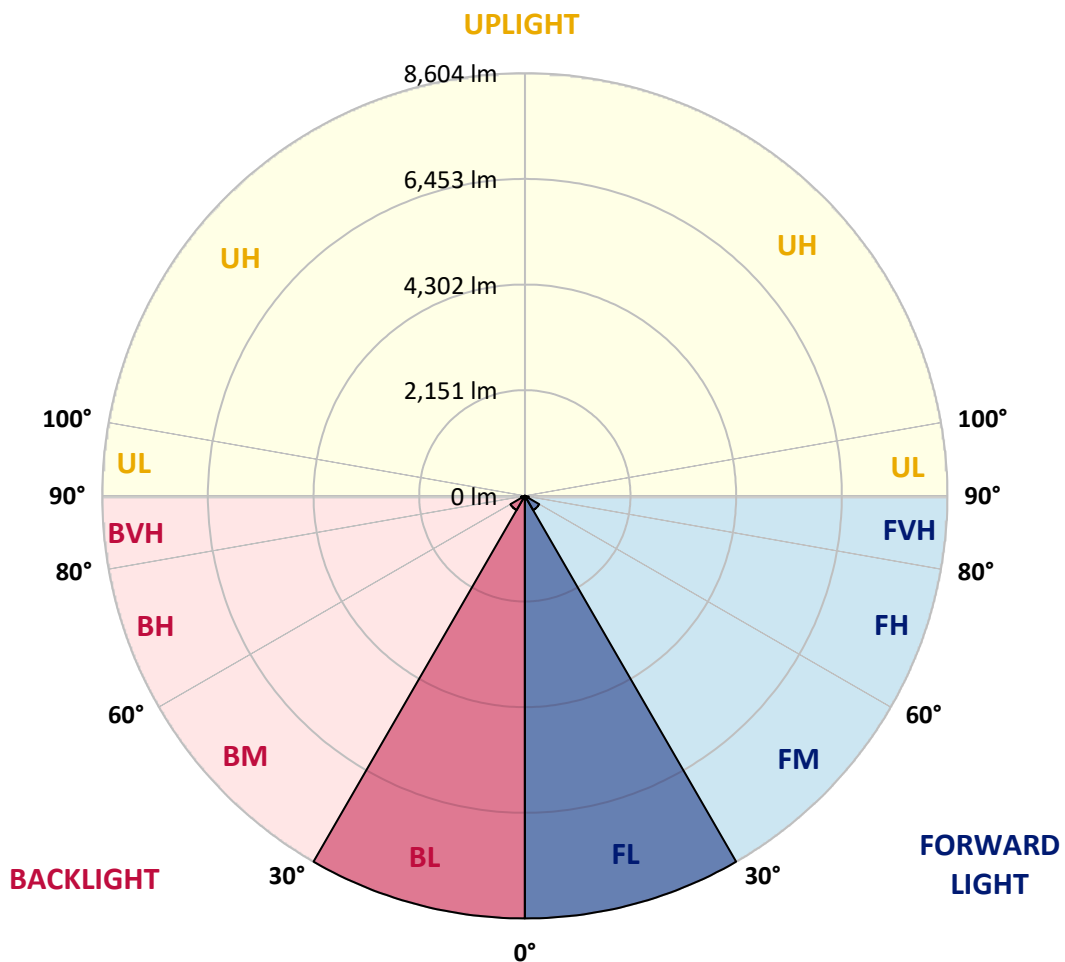


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8604.3	47.6			
FM (30°-60°)	338.2	1.9			
FH (60°-80°)	79.4	0.4			G0/660
FVH (80°-90°)	11.3	0.1			G1/100
BL (0°-30°)	8604.3	47.6	B5		
BM (30°-60°)	338.2	1.9	B1/1000		
BH (60°-80°)	79.4	0.4	B0/110		G0/660
BVH (80°-90°)	11.3	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°	124199.3	124199.3	124199.3	124199.3	124199.3	124199.3	124199.3	124199.3	124199.3	124199.3
1°	122528.3	122755.2	123033.1	123285.5	123665.7	123975.6	124518.8	124403.8	124387.8	124410.2
2°	120154.4	120438.8	120866.9	121119.3	122100.2	122502.8	123323.9	123566.7	123371.8	123592.2
3°	116598.4	116831.6	117502.6	117997.8	119269.4	120355.7	121454.8	121819.0	121592.2	121694.4
4°	112365.0	112604.6	113416.2	114425.8	116262.9	117467.4	118783.8	119109.7	118368.4	118419.5
5°	107326.5	107438.3	108432.0	109352.1	111550.3	113010.4	114259.6	114361.9	113684.5	113425.8
6°	101658.6	101457.3	102371.0	102760.8	105492.6	106981.4	107895.2	107777.0	107262.6	107042.1
7°	94923.5	94648.7	95386.8	95175.9	97594.5	98444.4	99323.0	98920.4	98511.5	99019.5
8°	87130.9	86977.5	86501.5	87364.1	87843.4	88603.8	88600.6	88367.4	88354.6	89201.3
9°	75801.4	77216.8	76798.3	77702.4	77581.0	77545.9	77312.7	77162.5	76523.5	77498.0
10°	63360.1	64286.6	64992.7	66341.0	66079.0	66449.6	65152.5	65372.9	64948.0	65753.1
12.5°	32796.7	33838.3	34448.5	35477.3	36608.3	37764.9	37391.1	37004.5	36426.2	37135.5
15°	16144.3	16556.5	16751.4	17796.2	18601.3	18892.0	18936.8	18594.9	18447.9	18601.3
17.5°	9907.7	10051.5	10617.0	11818.3	12514.8	12687.4	12575.5	12201.7	11783.2	11607.4
20°	7172.8	7214.3	7428.4	7661.6	8591.4	9077.0	8898.1	8530.7	8144.1	7961.9
22.5°	4683.9	4725.4	4795.7	4923.5	5172.7	5773.4	5578.5	5329.3	5067.3	5013.0
25°	2651.9	2651.9	2725.3	2856.3	3041.6	3086.4	3124.7	2859.5	2738.1	2683.8
27.5°	1479.3	1488.9	1504.8	1556.0	1648.6	1639.0	1597.5	1527.2	1444.1	1357.9
30°	817.9	827.5	837.1	849.9	865.8	837.1	811.5	798.8	763.6	754.0
32.5°	613.4	613.4	619.8	616.6	600.7	565.5	549.5	568.7	565.5	549.5
35°	504.8	504.8	511.2	524.0	492.0	466.5	453.7	479.3	479.3	469.7
37.5°	412.2	415.4	418.5	434.5	424.9	396.2	393.0	399.4	402.6	399.4
40°	361.0	357.8	357.8	361.0	354.6	348.3	341.9	338.7	341.9	338.7
42.5°	313.1	309.9	316.3	309.9	297.1	300.3	300.3	290.7	293.9	287.6
45°	274.8	271.6	274.8	268.4	258.8	262.0	262.0	249.2	249.2	246.0
47.5°	242.8	242.8	242.8	246.0	230.0	226.8	230.0	226.8	217.3	214.1
50°	210.9	214.1	217.3	223.7	207.7	201.3	201.3	201.3	194.9	191.7
52.5°	194.9	198.1	198.1	198.1	188.5	182.1	182.1	178.9	175.7	172.5
55°	188.5	188.5	188.5	175.7	172.5	169.3	159.8	156.6	153.4	153.4
57.5°	178.9	178.9	175.7	166.1	156.6	156.6	143.8	140.6	137.4	137.4
60°	159.8	159.8	159.8	156.6	143.8	140.6	127.8	121.4	118.2	118.2
62.5°	147.0	147.0	147.0	134.2	131.0	121.4	111.8	102.2	99.0	92.7
65°	134.2	134.2	134.2	121.4	115.0	105.4	92.7	83.1	76.7	67.1
67.5°	124.6	124.6	121.4	111.8	102.2	89.5	76.7	67.1	54.3	47.9
70°	108.6	108.6	105.4	99.0	89.5	79.9	63.9	51.1	41.5	32.0
72.5°	92.7	92.7	89.5	83.1	76.7	67.1	54.3	44.7	28.8	22.4
75°	76.7	76.7	73.5	67.1	63.9	57.5	47.9	35.1	22.4	9.6
77.5°	63.9	63.9	60.7	57.5	54.3	47.9	41.5	28.8	16.0	6.4
80°	47.9	51.1	51.1	51.1	44.7	41.5	38.3	28.8	12.8	3.2
82.5°	35.1	38.3	38.3	38.3	35.1	32.0	35.1	25.6	12.8	3.2
85°	25.6	25.6	28.8	28.8	28.8	28.8	38.3	28.8	9.6	3.2
87.5°	12.8	12.8	12.8	12.8	12.8	16.0	19.2	16.0	6.4	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°  
124199.3  
*123518.8*  
122755.2  
120927.6  
117659.1  
112885.8  
106546.9  
98862.9  
86852.9  
75680.0  
63689.2  
35215.3  
17885.6  
11361.4  
7821.4  
4901.1  
2639.1  
1361.1  
754.0  
540.0  
466.5  
399.4  
341.9  
290.7  
246.0  
214.1  
188.5  
169.3  
150.2  
137.4  
115.0  
86.3  
67.1  
44.7  
32.0  
19.2  
9.6  
3.2  
3.2  
3.2  
3.2  
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