

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: P525255

Luminaire Tested: **IFLD-S-SA6E-927-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525255  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6E-927-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (96) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

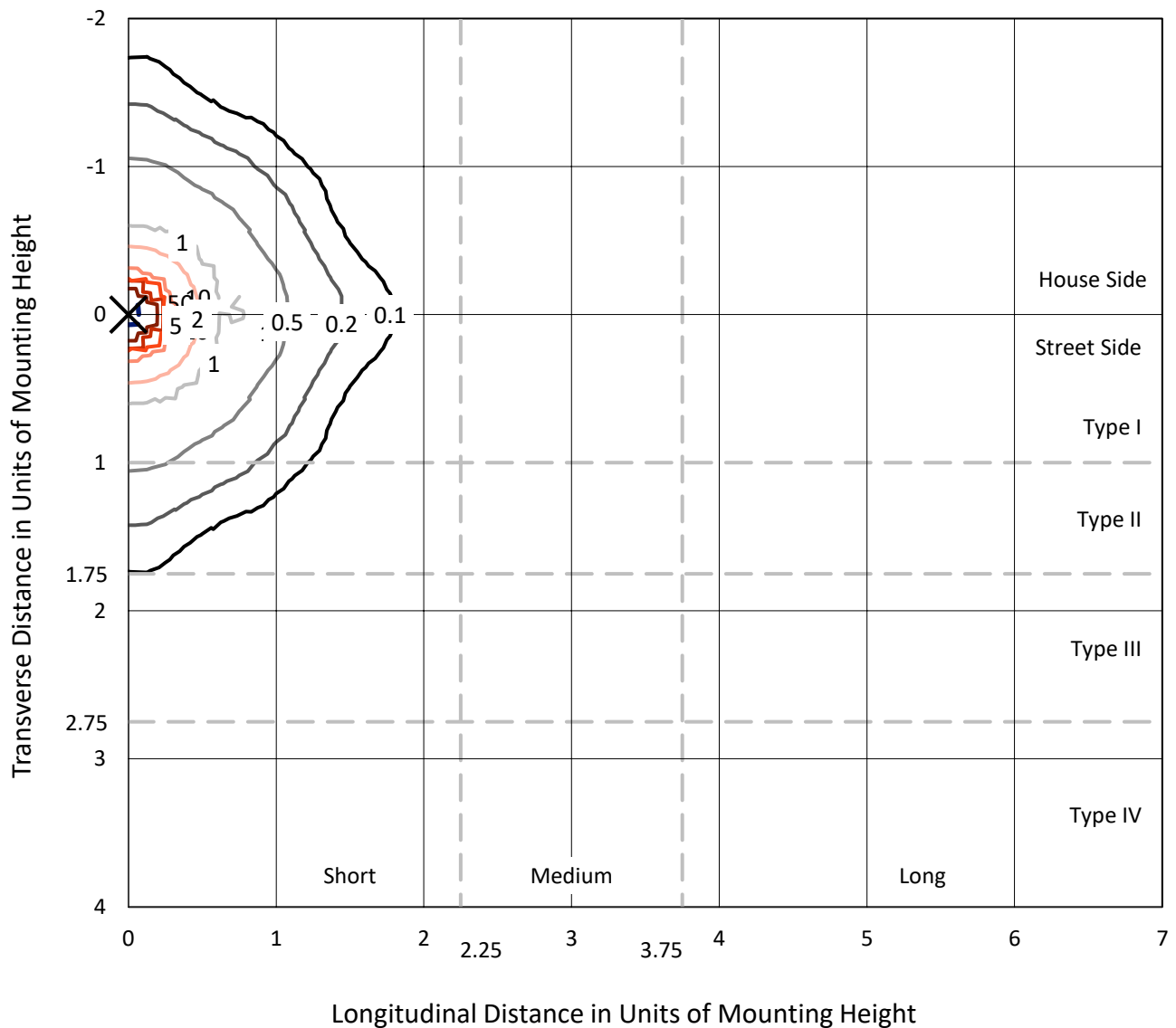
Lumens per Lamp: N/A  
Luminaire Lumens: 19330.4 lumens  
Efficiency: N/A  
Efficacy: 41.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

Input Watts (W): 464.2  
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: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

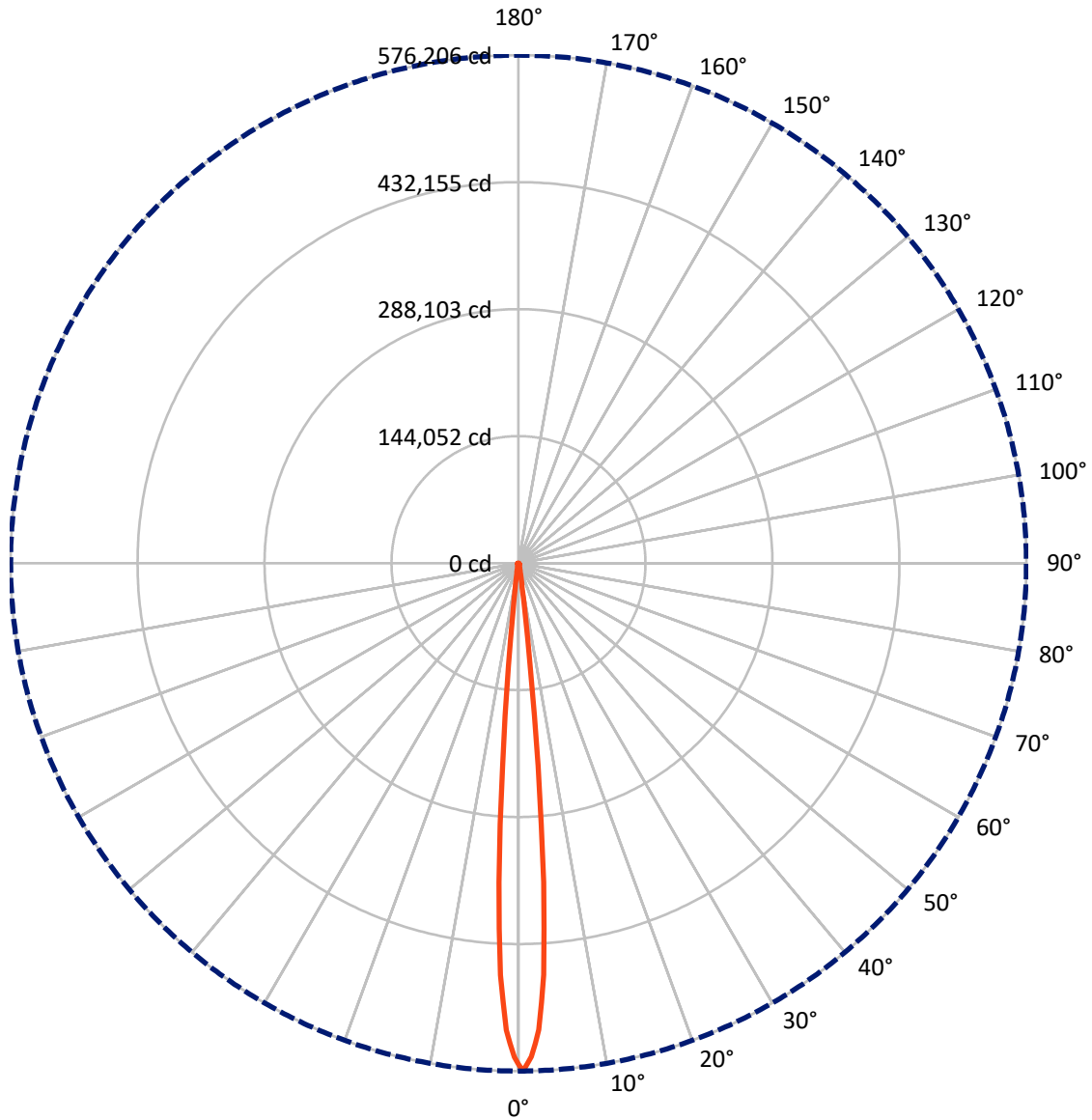
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 921.9 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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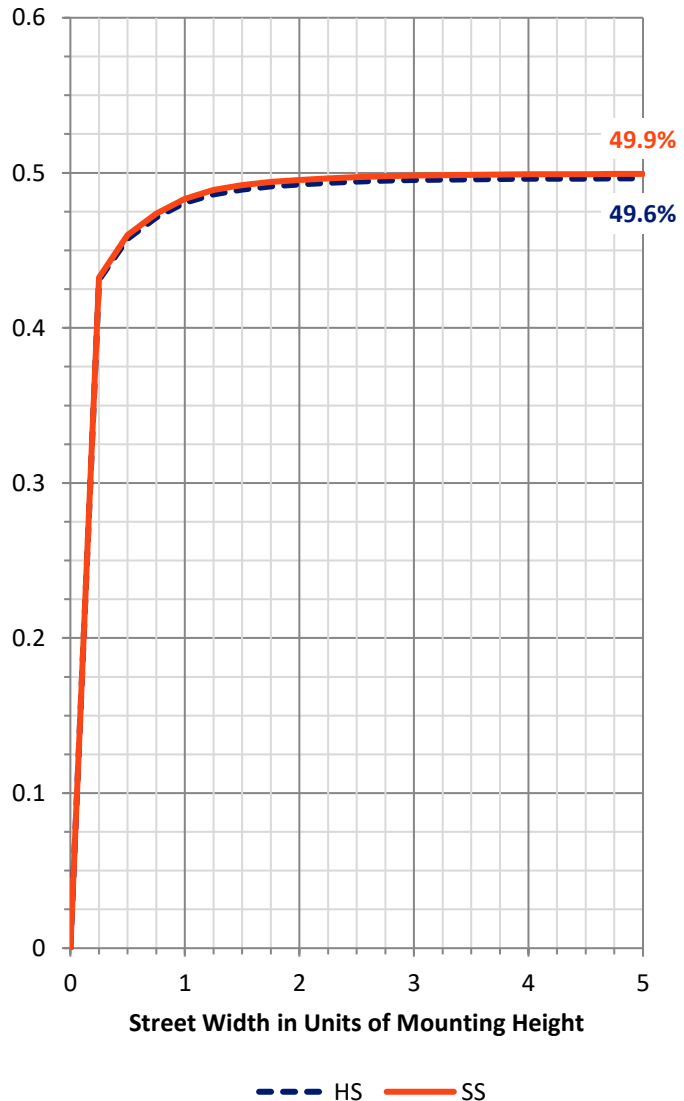
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9665.2	0.0	9665.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9665.2	0.0	9665.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19330.4	0.0	19330.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14845.7	76.8
10°-20°	1448.0	7.5
20°-30°	773.6	4.0
30°-40°	638.0	3.3
40°-50°	710.4	3.7
50°-60°	477.7	2.5
60°-70°	304.9	1.6
70°-80°	120.4	0.6
80°-90°	11.8	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°	19330.4	100.0
0°-180°	19330.4	100.0

**Coefficient of Utilization**

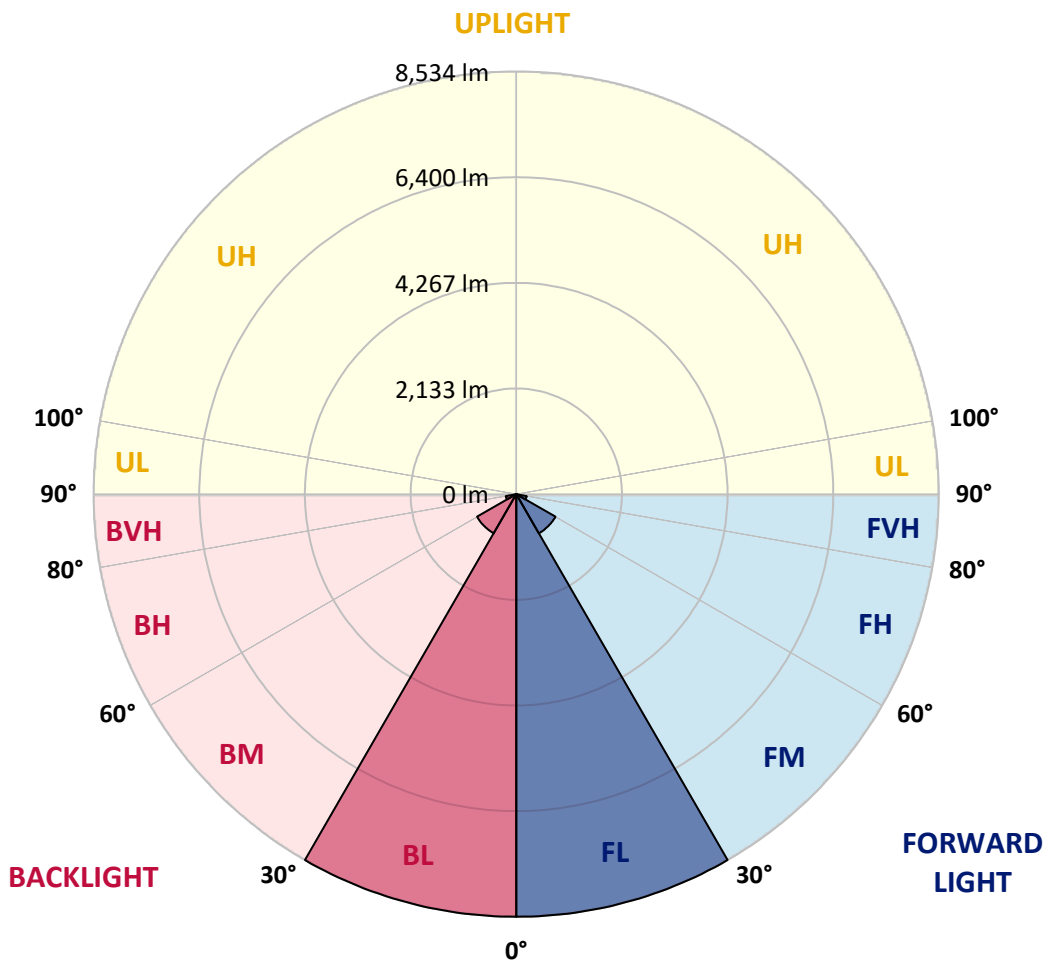


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8533.6	44.1			
FM (30°-60°)	913.1	4.7			
FH (60°-80°)	212.6	1.1			G0/660
FVH (80°-90°)	5.9	0.0			G0/10
BL (0°-30°)	8533.6	44.1	B5		
BM (30°-60°)	913.1	4.7	B1/1000		
BH (60°-80°)	212.6	1.1	B1/500		G0/660
BVH (80°-90°)	5.9	0.0			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°	576206.3	576206.3	576206.3	576206.3	576206.3	576206.3	576206.3	576206.3	576206.3	576206.3
1°	560191.9	561166.1	561341.9	560181.8	557224.0	557922.0	557831.6	557987.3	557696.1	555848.1
2°	529860.5	531301.7	529785.1	526531.0	519791.9	518184.9	512816.6	506825.7	500448.1	494055.4
3°	467947.3	470980.4	468816.0	472291.1	458621.9	457240.9	445952.0	431067.5	415982.1	403759.2
4°	362816.8	368421.1	369164.3	380634.0	369405.3	372915.6	360019.7	339340.1	316772.3	299507.5
5°	231266.9	239080.8	243489.9	254246.5	259418.9	272887.2	266605.0	245850.1	219772.1	199911.1
6°	116851.2	121104.7	132951.0	144777.2	157984.4	175856.9	178277.3	160058.4	139303.5	120240.9
7°	54471.0	56228.6	64584.8	67105.7	82206.1	101595.1	104306.9	94318.6	83371.2	68597.2
8°	28146.9	28829.9	31883.1	33756.2	42564.4	53717.7	55621.0	49333.7	44854.3	37422.1
9°	17335.1	17636.4	18781.4	19203.2	22497.5	27459.0	28131.9	25500.5	24285.2	21719.1
10°	12022.1	12182.8	12720.1	12830.6	13930.3	15562.4	15622.7	14758.9	14779.0	14136.2
12.5°	6407.8	6458.0	6608.6	6623.7	6834.6	7005.3	6965.2	6970.2	7055.6	6970.2
15°	4097.8	4122.9	4213.3	4233.3	4343.8	4404.1	4373.9	4368.9	4399.1	4343.8
17.5°	2922.7	2937.7	3003.0	3058.2	3128.6	3148.6	3138.6	3128.6	3128.6	3078.3
20°	2279.9	2300.0	2345.2	2400.4	2435.6	2470.7	2475.7	2470.7	2455.6	2430.5
22.5°	1938.4	1948.4	1963.5	1988.6	2013.7	2028.8	2038.8	2043.9	2038.8	2028.8
25°	1687.3	1697.4	1727.5	1742.5	1742.5	1747.6	1767.7	1777.7	1782.7	1762.6
27.5°	1245.4	1270.5	1315.7	1340.8	1340.8	1350.9	1365.9	1386.0	1406.1	1370.9
30°	964.2	984.3	1034.5	1034.5	1029.5	1039.5	1054.6	1084.7	1114.8	1074.7
32.5°	868.8	868.8	878.8	883.8	883.8	898.9	908.9	934.0	959.2	949.1
35°	908.9	883.8	853.7	853.7	863.7	893.9	898.9	924.0	949.1	984.3
37.5°	1320.7	1245.4	1134.9	1114.8	1114.8	1150.0	1134.9	1150.0	1195.2	1325.7
40°	1200.2	1139.9	1074.7	984.3	984.3	1034.5	999.3	1019.4	1124.9	1205.2
42.5°	1069.6	1069.6	999.3	914.0	914.0	939.1	929.0	939.1	1059.6	1124.9
45°	989.3	989.3	969.2	833.6	853.7	868.8	868.8	868.8	1029.5	1049.5
47.5°	944.1	944.1	893.9	768.3	793.4	798.5	808.5	798.5	924.0	994.3
50°	843.7	853.7	768.3	677.9	708.1	708.1	723.1	703.0	798.5	914.0
52.5°	728.2	738.2	607.6	537.3	572.5	567.5	587.5	557.4	632.7	793.4
55°	647.8	642.8	502.2	436.9	477.1	472.0	482.1	446.9	512.2	683.0
57.5°	562.4	572.5	411.8	356.5	401.7	391.7	406.8	366.6	421.8	607.6
60°	497.2	512.2	351.5	301.3	346.5	336.5	351.5	306.3	361.6	547.4
62.5°	477.1	477.1	311.3	256.1	301.3	291.3	301.3	256.1	321.4	502.2
65°	567.5	537.3	281.2	210.9	256.1	246.1	256.1	210.9	281.2	482.1
67.5°	753.3	718.1	266.2	165.7	205.9	190.8	205.9	170.7	246.1	452.0
70°	391.7	416.8	266.2	130.6	155.7	155.7	150.7	130.6	205.9	331.4
72.5°	226.0	231.0	205.9	100.4	120.5	130.6	115.5	100.4	150.7	246.1
75°	125.5	140.6	130.6	75.3	90.4	100.4	85.4	75.3	105.5	175.8
77.5°	75.3	85.4	75.3	50.2	60.3	55.2	60.3	50.2	70.3	115.5
80°	40.2	40.2	40.2	30.1	30.1	35.2	35.2	30.1	40.2	60.3
82.5°	15.1	15.1	15.1	10.0	15.1	15.1	15.1	20.1	20.1	25.1
85°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
87.5°	0.0	0.0	0.0	0.0	0.0	5.0	5.0	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
576206.3  
557671.0  
497736.3  
408394.3  
303509.9  
202457.1  
121667.1  
70384.9  
38431.5  
22276.5  
14432.5  
7065.6  
4384.0  
3093.4  
2435.6  
2033.8  
1762.6  
1365.9  
1064.6  
949.1  
1004.4  
1391.0  
1280.5  
1129.9  
1044.5  
979.2  
903.9  
773.4  
672.9  
592.6  
532.3  
497.2  
482.1  
446.9  
326.4  
241.0  
155.7  
85.4  
50.2  
25.1  
5.0  
5.0  
0.0

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