

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: P525306

Luminaire Tested: **IFLD-L-SA8B-930-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525306  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-930-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (128) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

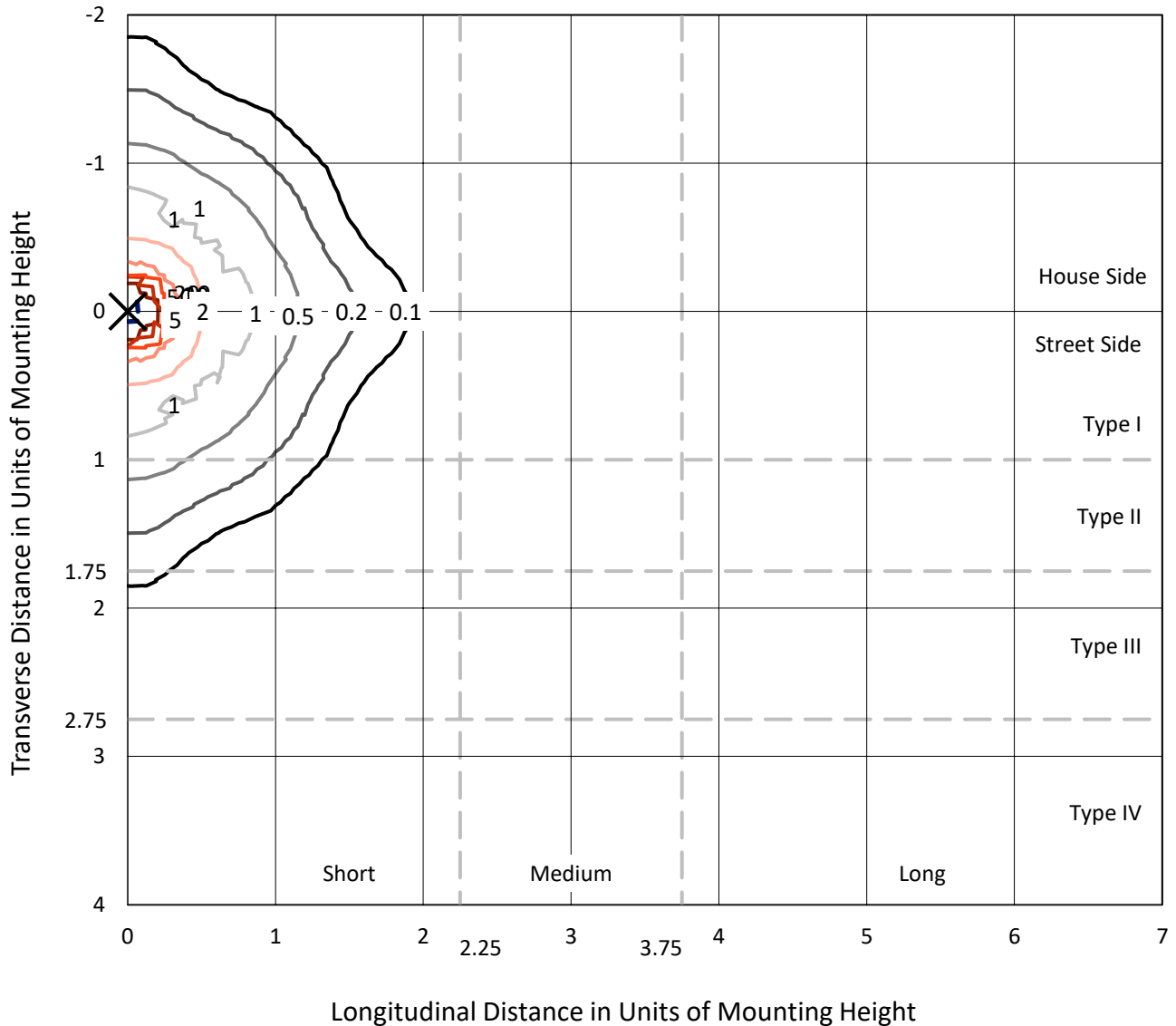
Lumens per Lamp: N/A  
Luminaire Lumens: 14786 lumens  
Efficiency: N/A  
Efficacy: 46.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

Input Watts (W): 320  
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

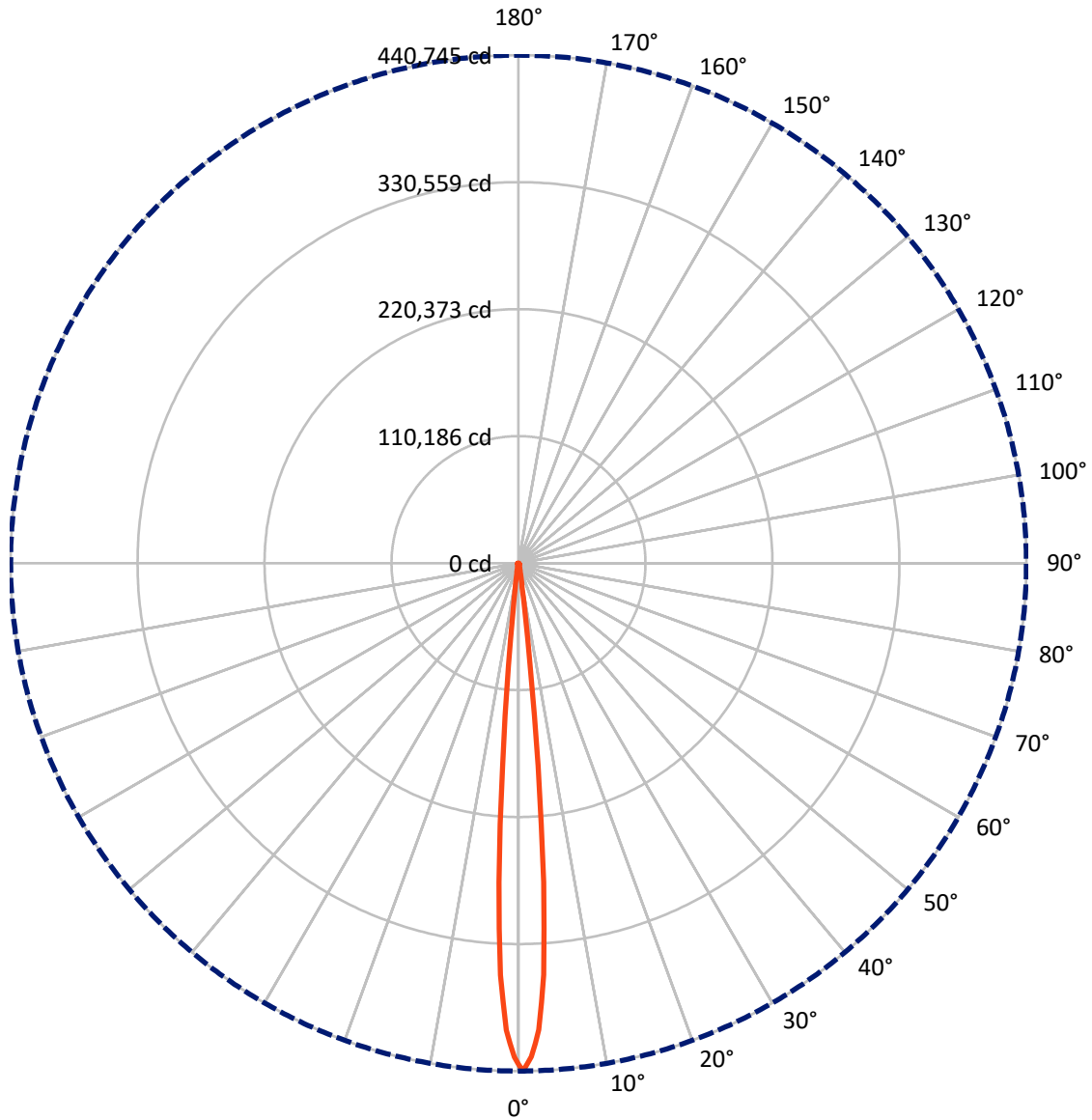
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1101.9 fc  
 Type V - Short - N/A

REPORT NUMBER: P525306  
CATALOG NUMBER: IFLD-L-SA8B-930-U-11

### Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: IFLD-L-SA8B-930-U-11

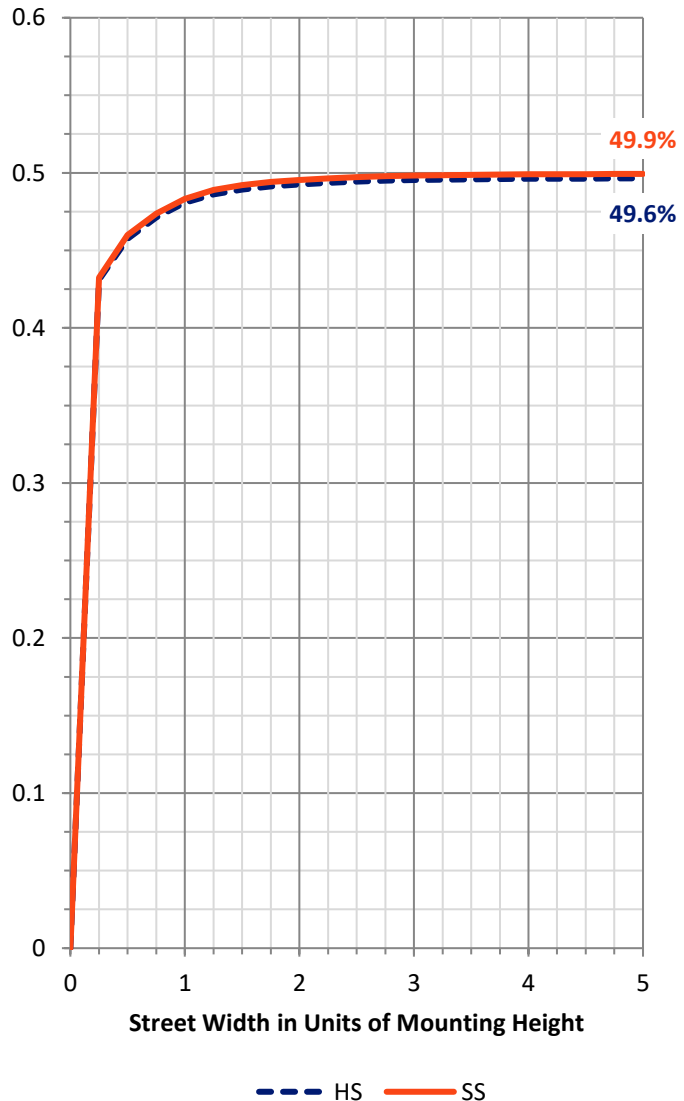
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7393.0	0.0	7393.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7393.0	0.0	7393.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14786.0	0.0	14786.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11355.6	76.8
10°-20°	1107.6	7.5
20°-30°	591.7	4.0
30°-40°	488.0	3.3
40°-50°	543.4	3.7
50°-60°	365.4	2.5
60°-70°	233.2	1.6
70°-80°	92.1	0.6
80°-90°	9.0	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°	14786.0	100.0
0°-180°	14786.0	100.0

**Coefficient of Utilization**



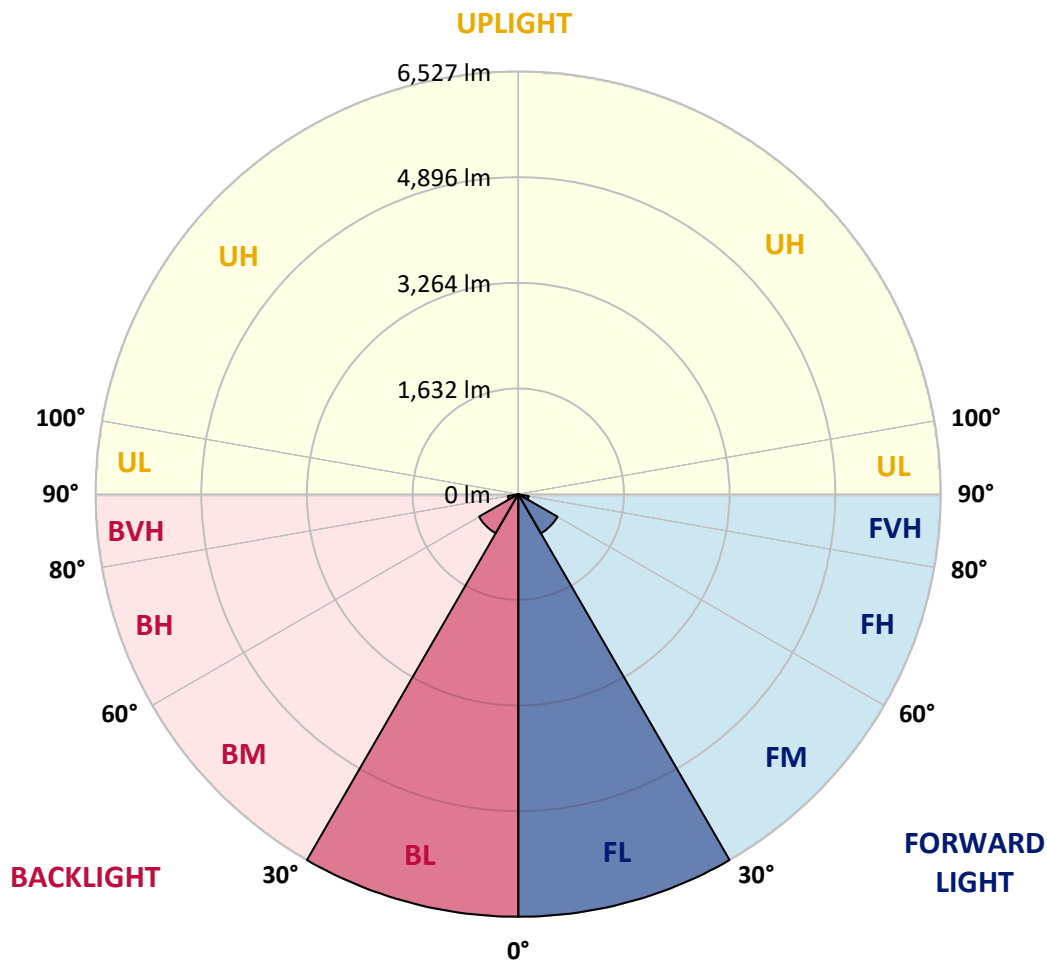
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 CATALOG NUMBER: IFLD-L-SA8B-930-U-11

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6527.4	44.1			
FM (30°-60°)	698.4	4.7			
FH (60°-80°)	162.6	1.1			G0/660
FVH (80°-90°)	4.5	0.0			G0/10
BL (0°-30°)	6527.4	44.1	B5		
BM (30°-60°)	698.4	4.7	B1/1000		
BH (60°-80°)	162.6	1.1	B1/500		G0/660
BVH (80°-90°)	4.5	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°	440745.3	440745.3	440745.3	440745.3	440745.3	440745.3	440745.3	440745.3	440745.3	440745.3
1°	428495.8	429240.9	429375.4	428488.1	426225.6	426759.5	426690.4	426809.5	426586.7	425173.1
2°	405295.0	406397.4	405237.4	402748.3	397593.4	396364.2	392258.0	387675.5	382797.2	377907.3
3°	357937.0	360257.1	358601.5	361259.6	350803.9	349747.6	341112.6	329727.4	318188.4	308839.0
4°	277521.8	281808.6	282377.1	291150.3	282561.4	285246.4	275382.3	259564.3	242302.0	229096.0
5°	176898.1	182875.0	186247.6	194475.4	198431.8	208733.9	203928.5	188052.9	168105.6	152913.7
6°	89380.5	92634.0	101695.4	110741.4	120843.7	134514.5	136365.9	122430.1	106554.5	91973.3
7°	41665.3	43009.8	49401.5	51329.8	62880.2	77711.0	79785.3	72145.1	63771.4	52470.6
8°	21529.8	22052.2	24387.7	25820.4	32557.9	41089.2	42545.0	37735.8	34309.5	28624.5
9°	13259.8	13490.2	14366.0	14688.7	17208.5	21003.6	21518.3	19505.5	18576.0	16613.1
10°	9195.8	9318.7	9729.7	9814.2	10655.4	11903.8	11949.9	11289.2	11304.6	10812.9
12.5°	4901.4	4939.8	5055.0	5066.5	5227.9	5358.5	5327.7	5331.6	5396.9	5331.6
15°	3134.4	3153.6	3222.8	3238.1	3322.6	3368.7	3345.7	3341.8	3364.9	3322.6
17.5°	2235.6	2247.1	2297.0	2339.3	2393.1	2408.4	2400.7	2393.1	2393.1	2354.6
20°	1743.9	1759.3	1793.8	1836.1	1863.0	1889.9	1893.7	1889.9	1878.3	1859.1
22.5°	1482.7	1490.4	1501.9	1521.1	1540.3	1551.8	1559.5	1563.4	1559.5	1551.8
25°	1290.6	1298.3	1321.4	1332.9	1332.9	1336.7	1352.1	1359.8	1363.6	1348.3
27.5°	952.6	971.8	1006.4	1025.6	1025.6	1033.3	1044.8	1060.2	1075.5	1048.6
30°	737.5	752.9	791.3	791.3	787.4	795.1	806.6	829.7	852.7	822.0
32.5°	664.5	664.5	672.2	676.0	676.0	687.6	695.3	714.5	733.7	726.0
35°	695.3	676.0	653.0	653.0	660.7	683.7	687.6	706.8	726.0	752.9
37.5°	1010.2	952.6	868.1	852.7	852.7	879.6	868.1	879.6	914.2	1014.1
40°	918.0	871.9	822.0	752.9	752.9	791.3	764.4	779.8	860.4	921.9
42.5°	818.2	818.2	764.4	699.1	699.1	718.3	710.6	718.3	810.5	860.4
45°	756.7	756.7	741.3	637.6	653.0	664.5	664.5	664.5	787.4	802.8
47.5°	722.1	722.1	683.7	587.7	606.9	610.7	618.4	610.7	706.8	760.6
50°	645.3	653.0	587.7	518.6	541.6	541.6	553.1	537.8	610.7	699.1
52.5°	557.0	564.7	464.8	411.0	437.9	434.1	449.4	426.4	484.0	606.9
55°	495.5	491.7	384.1	334.2	364.9	361.1	368.8	341.9	391.8	522.4
57.5°	430.2	437.9	315.0	272.7	307.3	299.6	311.1	280.4	322.7	464.8
60°	380.3	391.8	268.9	230.5	265.0	257.4	268.9	234.3	276.6	418.7
62.5°	364.9	364.9	238.2	195.9	230.5	222.8	230.5	195.9	245.8	384.1
65°	434.1	411.0	215.1	161.3	195.9	188.2	195.9	161.3	215.1	368.8
67.5°	576.2	549.3	203.6	126.8	157.5	146.0	157.5	130.6	188.2	345.7
70°	299.6	318.8	203.6	99.9	119.1	119.1	115.2	99.9	157.5	253.5
72.5°	172.9	176.7	157.5	76.8	92.2	99.9	88.3	76.8	115.2	188.2
75°	96.0	107.6	99.9	57.6	69.1	76.8	65.3	57.6	80.7	134.4
77.5°	57.6	65.3	57.6	38.4	46.1	42.3	46.1	38.4	53.8	88.3
80°	30.7	30.7	30.7	23.0	23.0	26.9	26.9	23.0	30.7	46.1
82.5°	11.5	11.5	11.5	7.7	11.5	11.5	11.5	15.4	15.4	19.2
85°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
87.5°	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
440745.3  
426567.5  
380722.9  
312384.4  
232157.4  
154861.2  
93064.2  
53838.1  
29396.6  
17039.5  
11039.6  
5404.5  
3353.4  
2366.2  
1863.0  
1555.7  
1348.3  
1044.8  
814.3  
726.0  
768.2  
1064.0  
979.5  
864.3  
799.0  
749.0  
691.4  
591.5  
514.7  
453.3  
407.2  
380.3  
368.8  
341.9  
249.7  
184.4  
119.1  
65.3  
38.4  
19.2  
3.8  
3.8  
0.0

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