

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: P524294

Luminaire Tested: **IFLD-L-SA8D-927-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524294
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-927-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34344.9 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 488.3
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

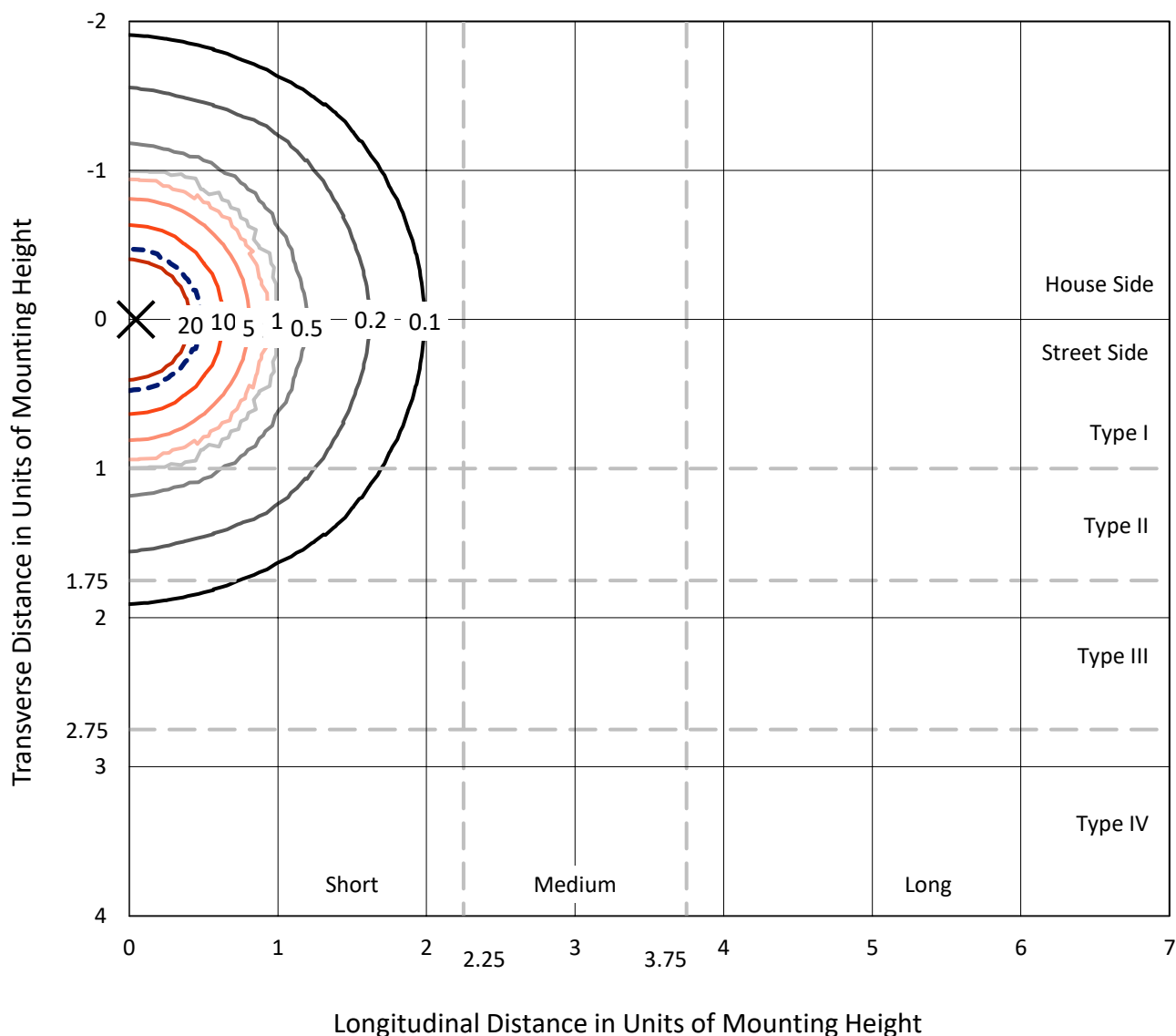
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

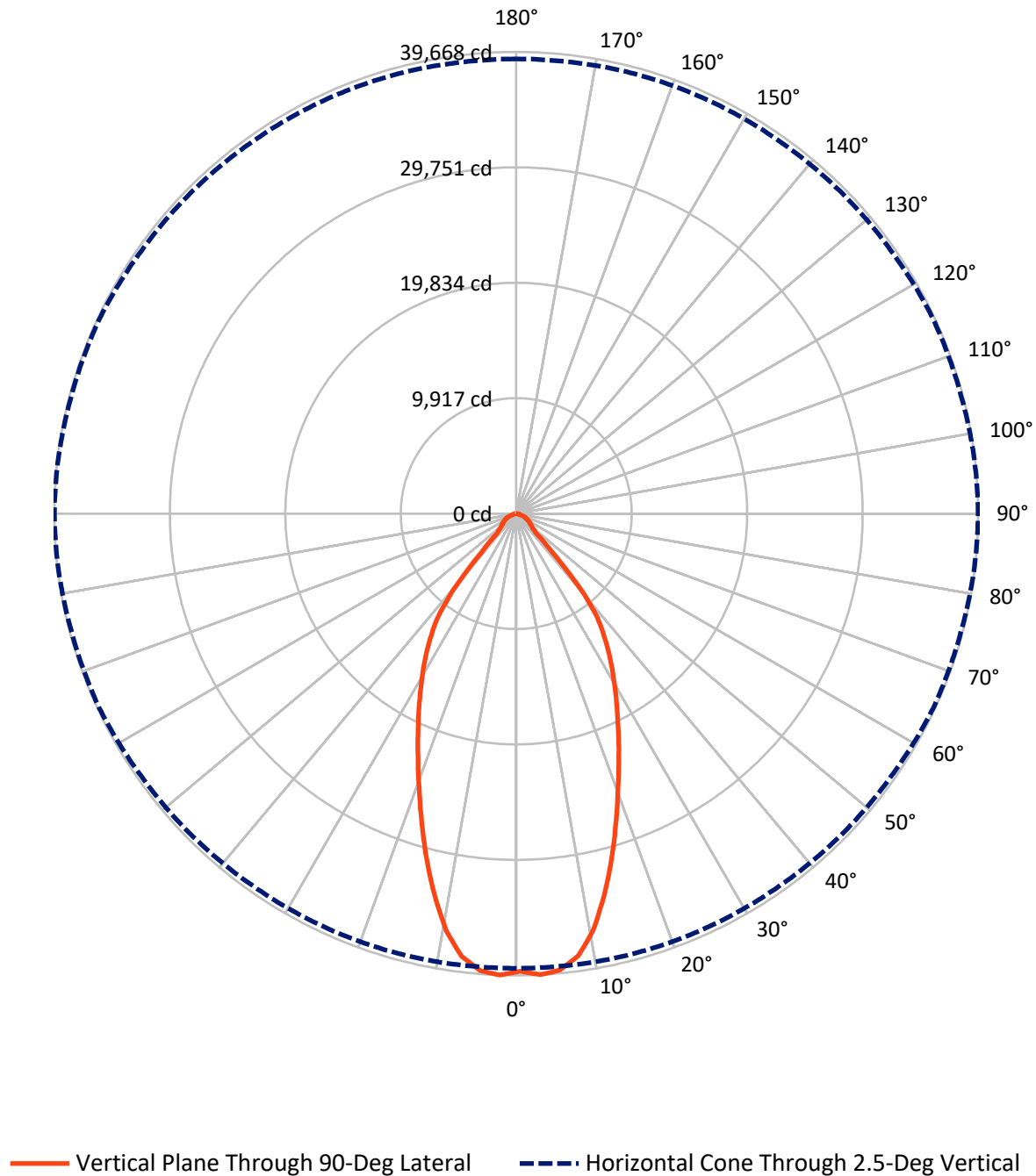


Based on 30 foot mounting height. Maximum calculated value = 43.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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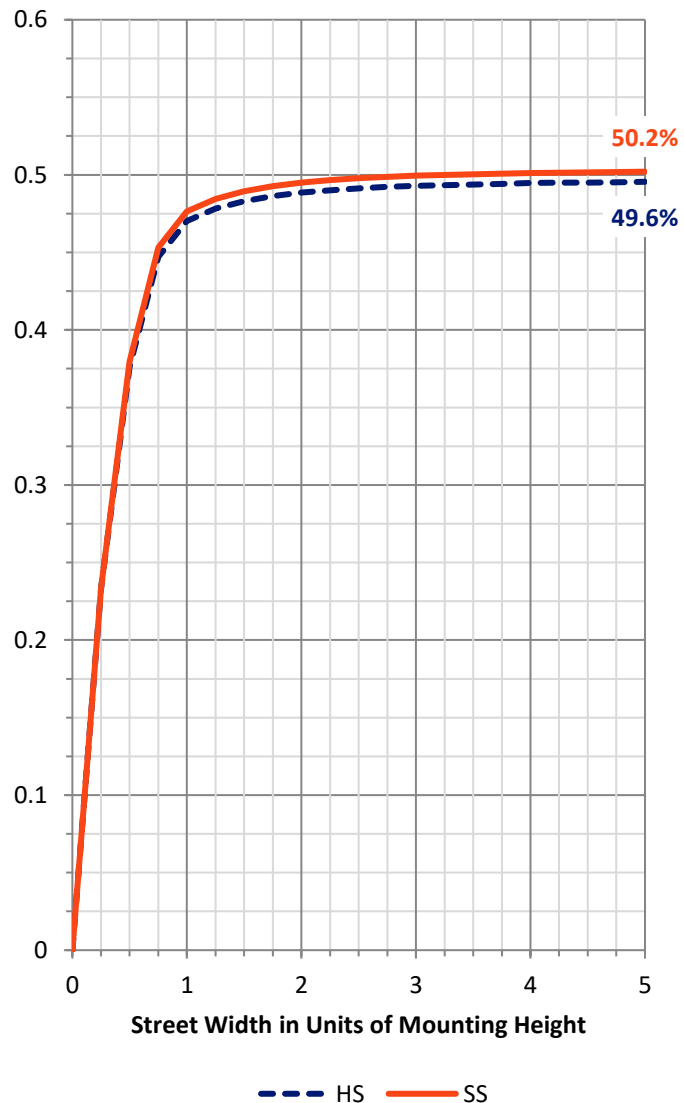
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17172.5	0.0	17172.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17172.5	0.0	17172.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34344.9	0.0	34344.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3624.2	10.6
10°-20°	8366.1	24.4
20°-30°	9185.3	26.7
30°-40°	7964.3	23.2
40°-50°	2620.6	7.6
50°-60°	1175.0	3.4
60°-70°	830.5	2.4
70°-80°	450.9	1.3
80°-90°	127.9	0.4
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°	34344.9	100.0
0°-180°	34344.9	100.0

Coefficient of Utilization



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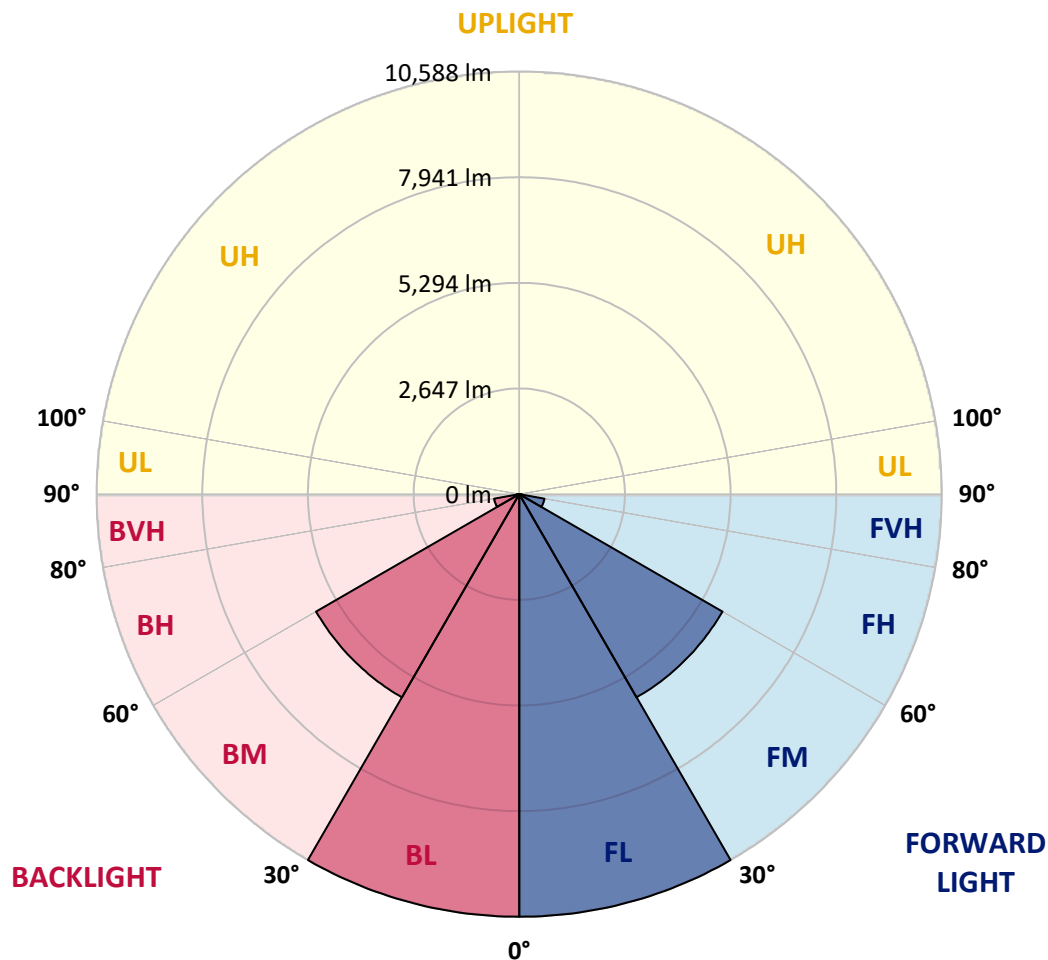
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10587.9	30.8			
FM	(30°-60°)	5880.0	17.1			
FH	(60°-80°)	640.7	1.9			G0/660
FVH	(80°-90°)	63.9	0.2			G1/100
BL	(0°-30°)	10587.9	30.8	B5		
BM	(30°-60°)	5880.0	17.1	B4/8500		
BH	(60°-80°)	640.7	1.9	B2/1000		G0/660
BVH	(80°-90°)	63.9	0.2			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°	39314.2	39314.2	39314.2	39314.2	39314.2	39314.2	39314.2	39314.2	39314.2	39314.2
2.5°	39069.6	39064.4	39126.8	39158.1	39173.7	39246.5	39319.4	39511.9	39517.1	39631.6
5°	39017.6	38970.7	39012.4	38949.9	38965.5	38965.5	39059.2	39199.7	39251.7	39366.2
7.5°	37857.1	37846.7	37820.7	37753.1	37836.3	37779.1	37950.8	38075.7	38195.4	38252.6
10°	35692.4	35593.5	35593.5	35499.8	35583.1	35505.0	35786.0	35900.5	36103.5	36223.2
12.5°	32892.8	32851.1	32856.3	32814.7	32809.5	32700.2	33028.1	33126.9	33309.1	33486.0
15°	29905.8	29843.4	29900.6	29900.6	29853.8	29754.9	30103.6	30238.9	30504.3	30587.5
17.5°	26955.3	26929.3	26965.7	26981.3	26944.9	26851.2	27189.5	27486.1	27668.2	27668.2
20°	24249.4	24239.0	24285.8	24239.0	24202.5	24140.1	24452.3	24738.5	24899.8	24910.3
22.5°	21871.3	21928.5	21886.9	21829.6	21751.6	21704.8	21991.0	22256.4	22365.6	22474.9
25°	19784.6	19800.2	19831.4	19742.9	19649.3	19592.0	19805.4	20029.2	20200.9	20263.3
27.5°	18067.3	18124.6	18046.5	17911.2	17859.2	17791.6	17942.5	18103.8	18228.7	18317.1
30°	16397.0	16428.2	16443.8	16303.3	16178.4	16079.5	16204.4	16344.9	16391.7	16469.8
32.5°	14794.2	14846.2	14898.3	14726.6	14638.1	14544.4	14606.9	14695.3	14721.4	14726.6
35°	13196.7	13160.2	13113.4	13051.0	12983.3	12868.8	12931.3	12962.5	12983.3	12983.3
37.5°	11266.1	11297.3	11307.7	11188.0	11156.8	11078.7	11120.4	11125.6	11167.2	11193.2
40°	8523.7	8633.0	8560.1	8487.3	8497.7	8404.0	8388.4	8367.6	8461.3	8497.7
42.5°	4636.5	4823.9	4631.3	4693.8	4646.9	4594.9	4579.3	4605.3	4485.6	4386.7
45°	2331.3	2320.9	2362.5	2362.5	2404.1	2419.7	2383.3	2352.1	2336.5	2294.8
47.5°	1878.5	1847.3	1842.1	1868.1	1899.4	1920.2	1889.0	1873.3	1868.1	1894.2
50°	1613.2	1566.3	1550.7	1587.1	1613.2	1634.0	1608.0	1608.0	1602.7	1644.4
52.5°	1405.0	1358.2	1358.2	1431.0	1451.8	1472.7	1457.0	1457.0	1457.0	1503.9
55°	1243.7	1207.3	1165.6	1259.3	1327.0	1347.8	1337.4	1332.2	1337.4	1389.4
57.5°	1118.8	1098.0	1072.0	1092.8	1196.9	1222.9	1217.7	1217.7	1228.1	1269.7
60°	999.1	988.7	978.3	978.3	1061.6	1108.4	1103.2	1103.2	1113.6	1139.6
62.5°	889.8	879.4	869.0	879.4	910.7	983.5	983.5	988.7	1004.3	1014.7
65°	780.6	775.4	775.4	780.6	791.0	848.2	869.0	884.6	900.2	905.4
67.5°	676.5	671.3	676.5	686.9	686.9	712.9	759.7	775.4	791.0	791.0
70°	546.4	572.4	588.0	593.2	603.6	608.8	650.5	681.7	697.3	676.5
72.5°	296.6	338.2	510.0	525.6	530.8	536.0	567.2	603.6	614.0	400.7
75°	213.4	213.4	426.7	452.7	457.9	457.9	483.9	520.4	530.8	307.0
77.5°	140.5	135.3	296.6	327.8	374.7	301.8	395.5	437.1	447.5	255.0
80°	109.3	104.1	229.0	255.0	260.2	208.1	322.6	353.9	359.1	208.1
82.5°	83.3	78.1	166.5	187.3	202.9	135.3	229.0	270.6	281.0	182.1
85°	46.8	46.8	83.3	78.1	119.7	88.5	130.1	135.3	182.1	114.5
87.5°	15.6	20.8	36.4	36.4	41.6	36.4	52.0	52.0	57.2	41.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

39314.2
39668.0
39387.0
38346.3
36353.3
33605.7
30702.0
27735.9
24967.5
22537.4
20305.0
18343.1
16485.4
14789.0
13045.7
11302.5
8544.5
4433.6
2331.3
1915.0
1696.4
1555.9
1420.6
1300.9
1160.4
1030.3
915.9
791.0
598.4
343.4
301.8
249.8
187.3
187.3
109.3
31.2
0.0