

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: P524371

Luminaire Tested: **IFLD-L-SA8C-935-U-55**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P524371
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-935-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55
distribution lens
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32737.8 lumens
Efficiency: N/A
Efficacy: 77.9 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): 420.3
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

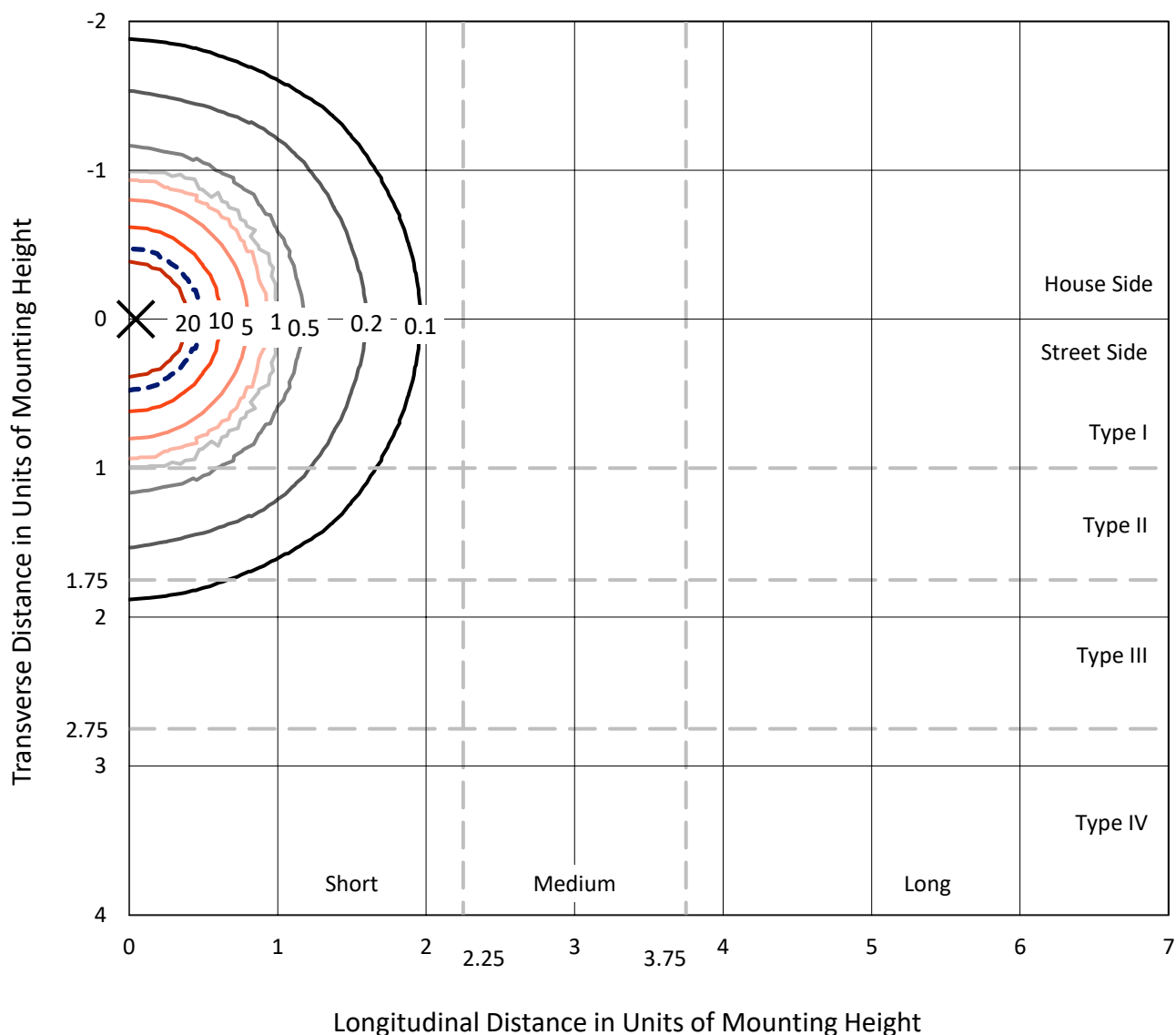
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

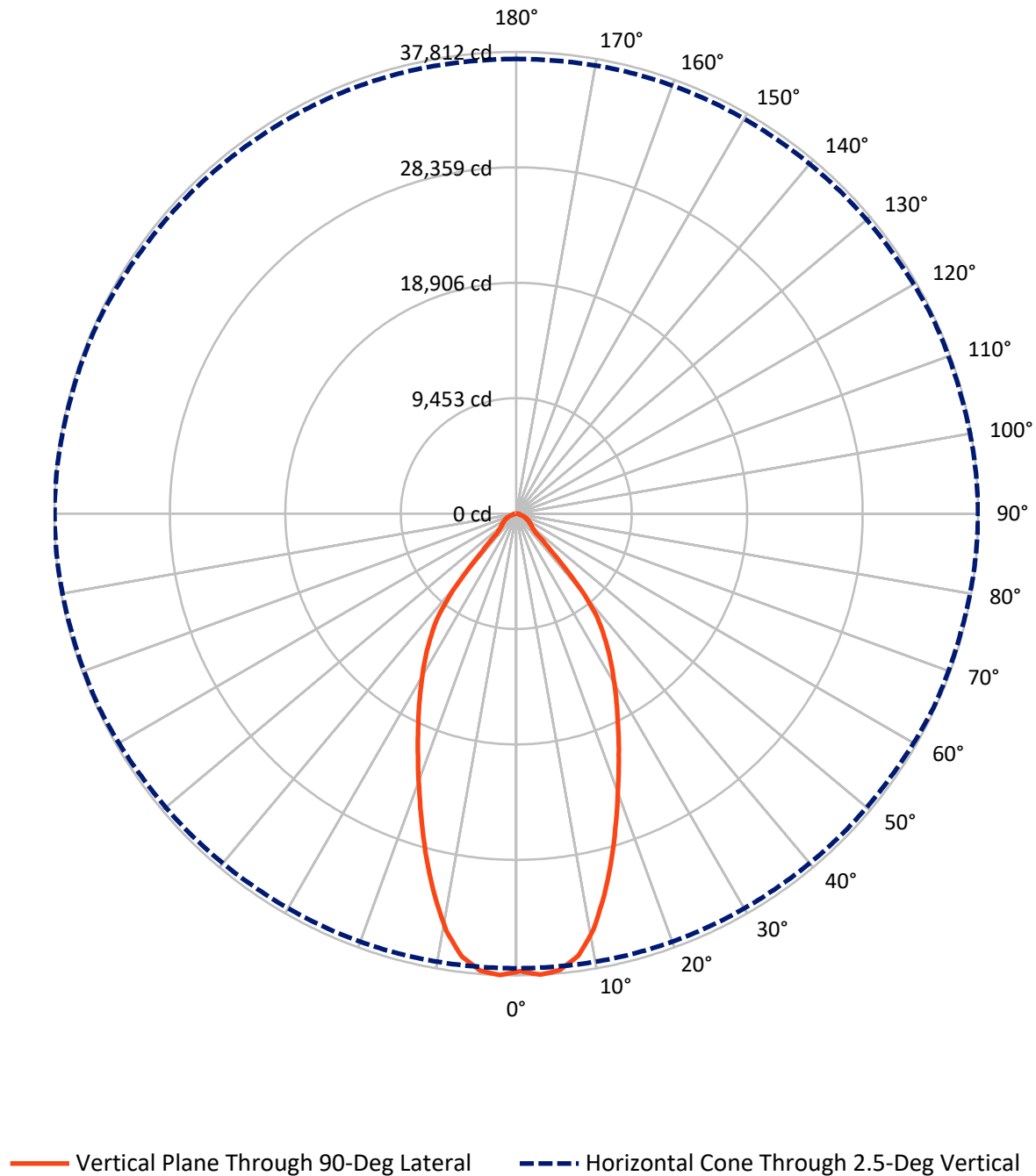


Based on 30 foot mounting height. Maximum calculated value = 41.6 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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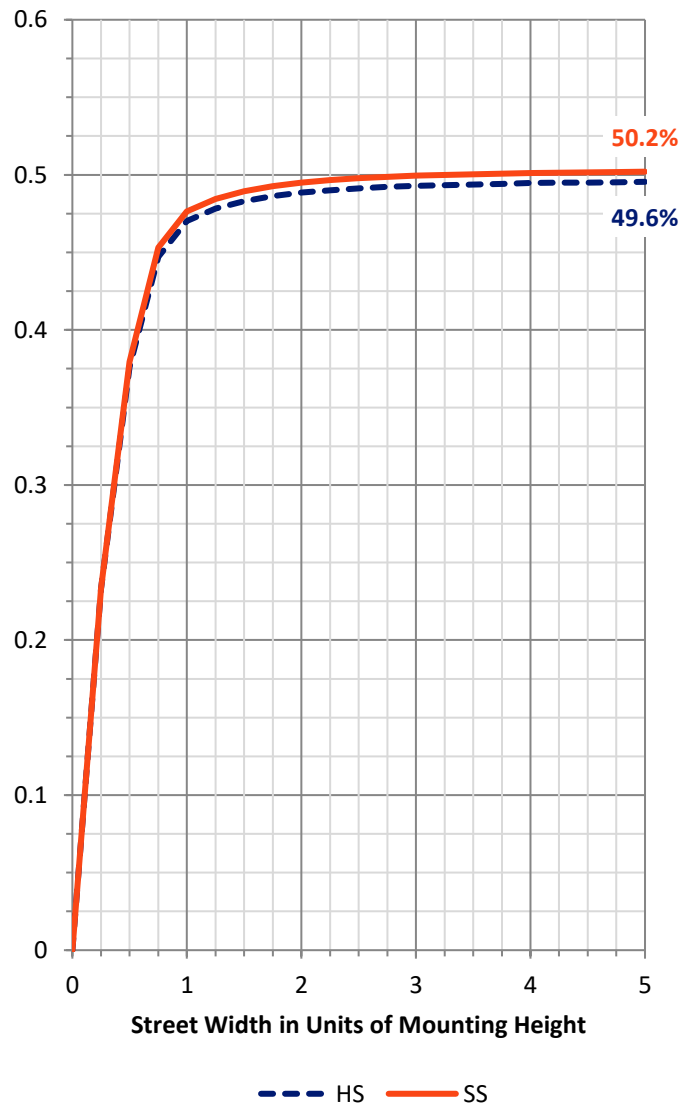
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16368.9	0.0	16368.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16368.9	0.0	16368.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	32737.8	0.0	32737.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3454.6	10.6
10°-20°	7974.7	24.4
20°-30°	8755.5	26.7
30°-40°	7591.7	23.2
40°-50°	2498.0	7.6
50°-60°	1120.0	3.4
60°-70°	791.6	2.4
70°-80°	429.8	1.3
80°-90°	121.9	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°	32737.8	100.0
0°-180°	32737.8	100.0

Coefficient of Utilization



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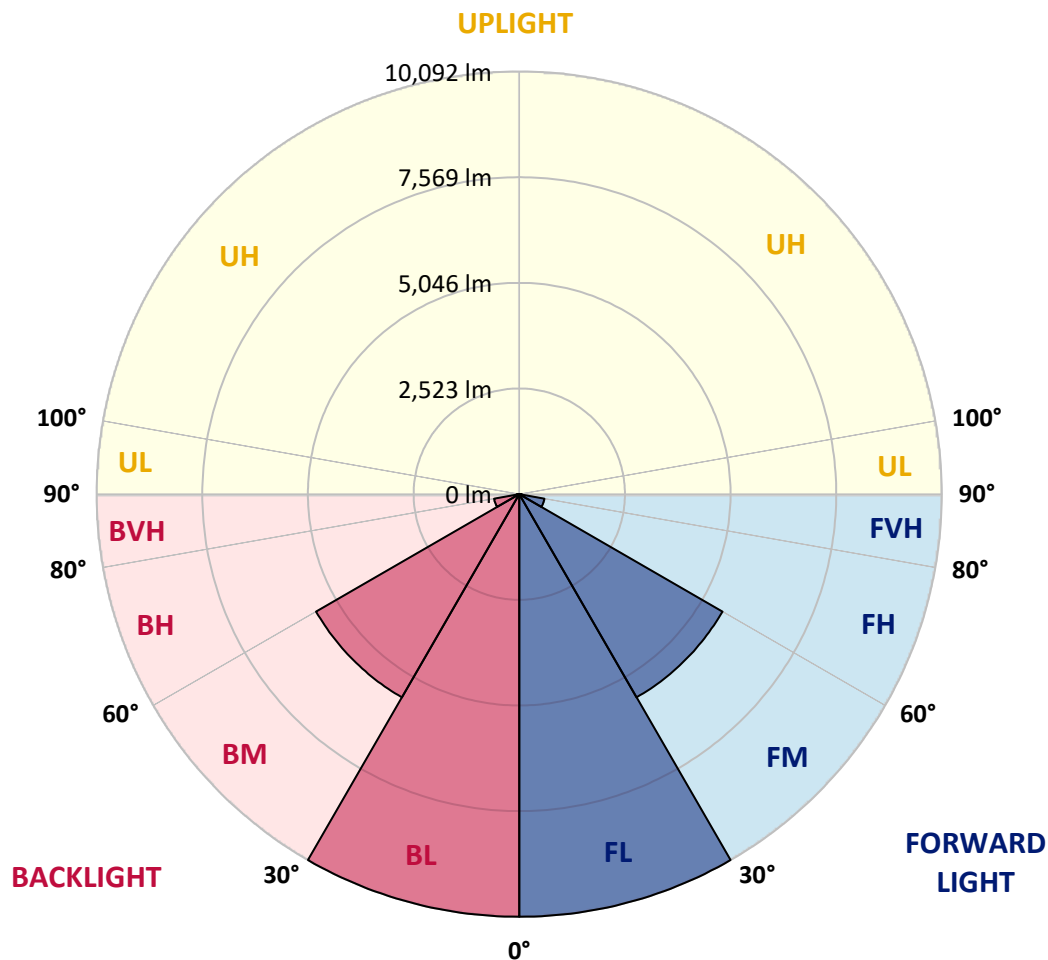
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10092.4	30.8			
FM	(30°-60°)	5604.8	17.1			
FH	(60°-80°)	610.7	1.9			G0/660
FVH	(80°-90°)	60.9	0.2			G1/100
BL	(0°-30°)	10092.4	30.8	B5		
BM	(30°-60°)	5604.8	17.1	B4/8500		
BH	(60°-80°)	610.7	1.9	B2/1000		G0/660
BVH	(80°-90°)	60.9	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°	37474.6	37474.6	37474.6	37474.6	37474.6	37474.6	37474.6	37474.6	37474.6	37474.6
2.5°	37241.4	37236.5	37296.0	37325.8	37340.6	37410.1	37479.5	37663.0	37668.0	37777.1
5°	37191.8	37147.2	37186.9	37127.3	37142.2	37142.2	37231.5	37365.4	37415.0	37524.2
7.5°	36085.7	36075.8	36051.0	35986.5	36065.9	36011.3	36175.0	36294.0	36408.1	36462.7
10°	34022.2	33928.0	33928.0	33838.7	33918.1	33843.7	34111.5	34220.6	34414.1	34528.2
12.5°	31353.6	31314.0	31318.9	31279.2	31274.3	31170.1	31482.6	31576.8	31750.5	31919.1
15°	28506.5	28446.9	28501.5	28501.5	28456.9	28362.6	28694.9	28823.9	29076.9	29156.2
17.5°	25694.0	25669.2	25703.9	25718.8	25684.1	25594.8	25917.2	26200.0	26373.6	26373.6
20°	23114.7	23104.8	23149.4	23104.8	23070.0	23010.5	23308.1	23580.9	23734.7	23744.6
22.5°	20847.9	20902.4	20862.7	20808.2	20733.8	20689.1	20961.9	21214.9	21319.1	21423.2
25°	18858.8	18873.7	18903.4	18819.1	18729.8	18675.3	18878.6	19091.9	19255.6	19315.1
27.5°	17221.9	17276.5	17202.1	17073.1	17023.5	16959.0	17102.9	17256.7	17375.7	17460.0
30°	15629.7	15659.5	15674.3	15540.4	15421.4	15327.1	15446.2	15580.1	15624.7	15699.1
32.5°	14101.9	14151.5	14201.1	14037.5	13953.1	13863.9	13923.4	14007.7	14032.5	14037.5
35°	12579.2	12544.4	12499.8	12440.3	12375.8	12266.7	12326.2	12355.9	12375.8	12375.8
37.5°	10738.9	10768.7	10778.6	10664.5	10634.7	10560.3	10600.0	10605.0	10644.7	10669.5
40°	8124.9	8229.0	8159.6	8090.1	8100.1	8010.8	7995.9	7976.1	8065.3	8100.1
42.5°	4419.6	4598.1	4414.6	4474.1	4429.5	4379.9	4365.0	4389.8	4275.7	4181.5
45°	2222.2	2212.3	2251.9	2251.9	2291.6	2306.5	2271.8	2242.0	2227.1	2187.5
47.5°	1790.6	1760.9	1755.9	1780.7	1810.5	1830.3	1800.6	1785.7	1780.7	1805.5
50°	1537.7	1493.0	1478.1	1512.9	1537.7	1557.5	1532.7	1532.7	1527.8	1567.4
52.5°	1339.3	1294.6	1294.6	1364.1	1383.9	1403.7	1388.9	1388.9	1388.9	1433.5
55°	1185.5	1150.8	1111.1	1200.4	1264.9	1284.7	1274.8	1269.8	1274.8	1324.4
57.5°	1066.5	1046.6	1021.8	1041.6	1140.9	1165.7	1160.7	1160.7	1170.6	1210.3
60°	952.4	942.4	932.5	932.5	1011.9	1056.5	1051.6	1051.6	1061.5	1086.3
62.5°	848.2	838.3	828.4	838.3	868.0	937.5	937.5	942.4	957.3	967.2
65°	744.0	739.1	739.1	744.0	754.0	808.5	828.4	843.2	858.1	863.1
67.5°	644.8	639.9	644.8	654.8	654.8	679.6	724.2	739.1	754.0	754.0
70°	520.8	545.6	560.5	565.5	575.4	580.3	620.0	649.8	664.7	644.8
72.5°	282.7	322.4	486.1	501.0	505.9	510.9	540.7	575.4	585.3	381.9
75°	203.4	203.4	406.7	431.5	436.5	436.5	461.3	496.0	505.9	292.7
77.5°	133.9	129.0	282.7	312.5	357.1	287.7	377.0	416.7	426.6	243.1
80°	104.2	99.2	218.3	243.1	248.0	198.4	307.5	337.3	342.3	198.4
82.5°	79.4	74.4	158.7	178.6	193.4	129.0	218.3	257.9	267.9	173.6
85°	44.6	44.6	79.4	74.4	114.1	84.3	124.0	129.0	173.6	109.1
87.5°	14.9	19.8	34.7	34.7	39.7	34.7	49.6	49.6	54.6	39.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

37474.6
37811.9
37544.0
36552.0
34652.2
32033.2
29265.4
26438.0
23799.2
21482.8
19354.8
17484.8
15714.0
14097.0
12435.3
10773.6
8144.7
4226.1
2222.2
1825.4
1617.0
1483.1
1354.1
1240.1
1106.1
982.1
873.0
754.0
570.4
327.4
287.7
238.1
178.6
178.6
104.2
29.8
0.0