

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: P524396

Luminaire Tested: **IFLD-S-SA6D-940-U-55**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524396
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-940-U-55
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 55 distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32685.2 lumens
Efficiency: N/A
Efficacy: 88.8 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): 368.2
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

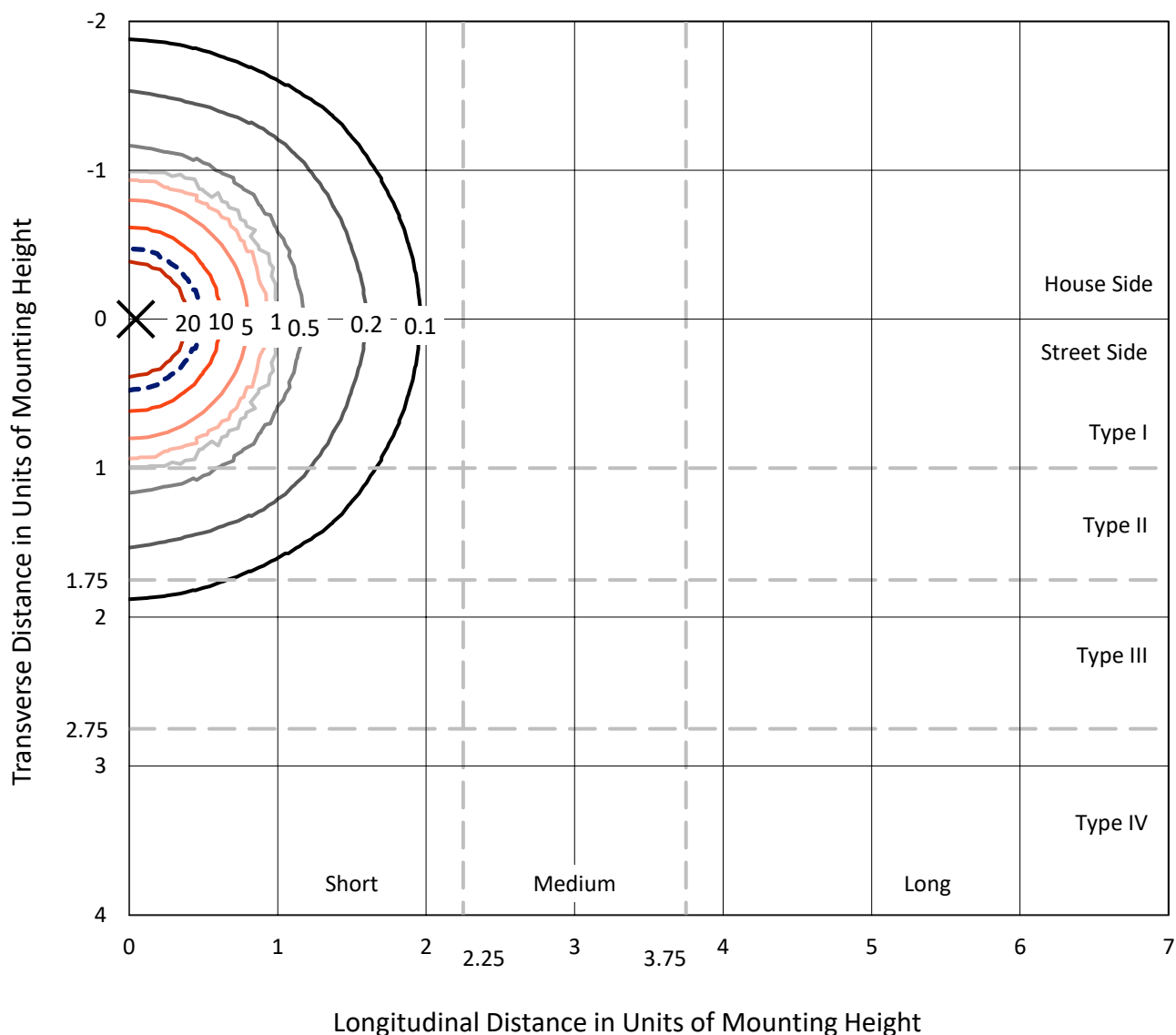
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

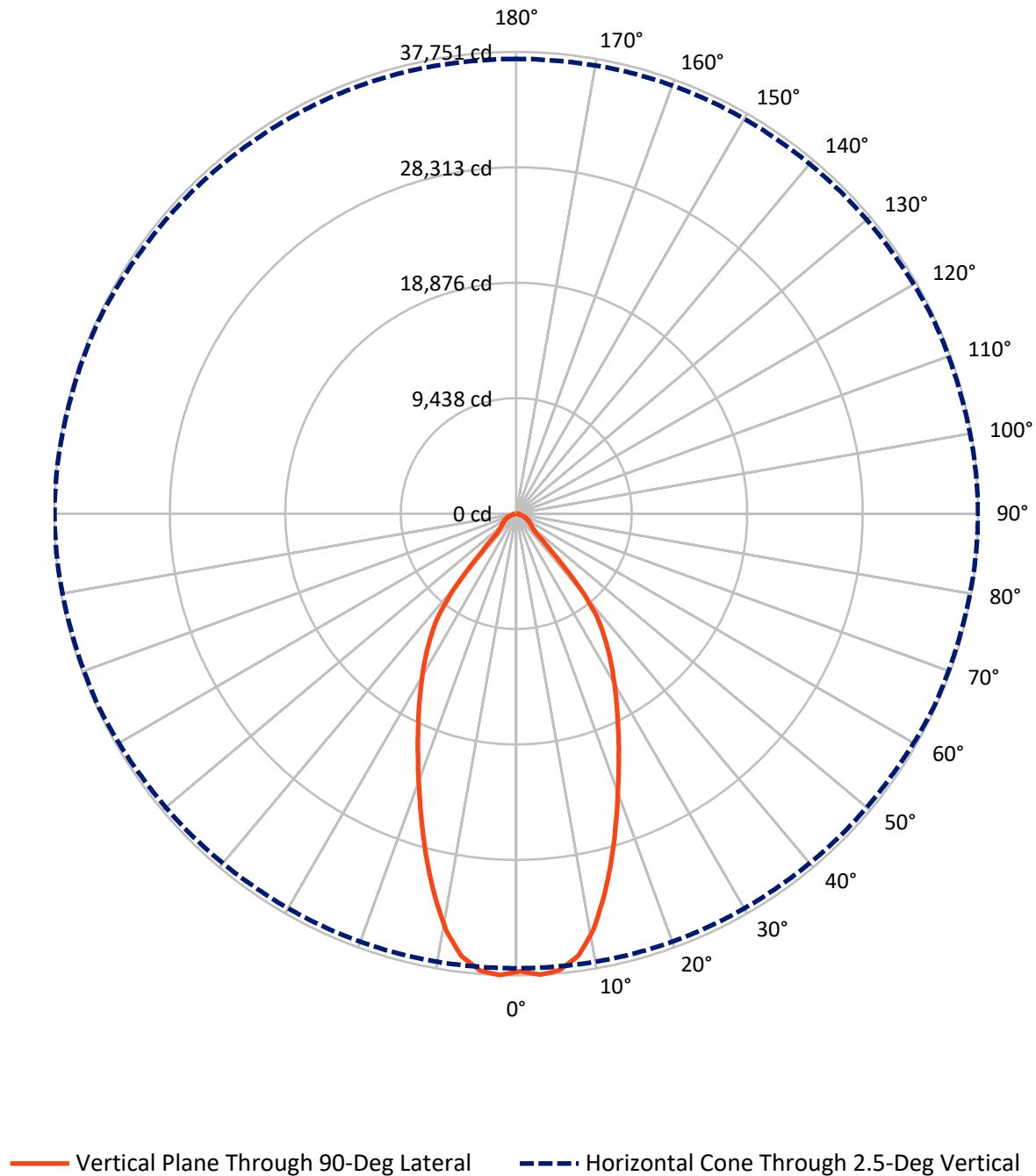


Based on 30 foot mounting height. Maximum calculated value = 41.6 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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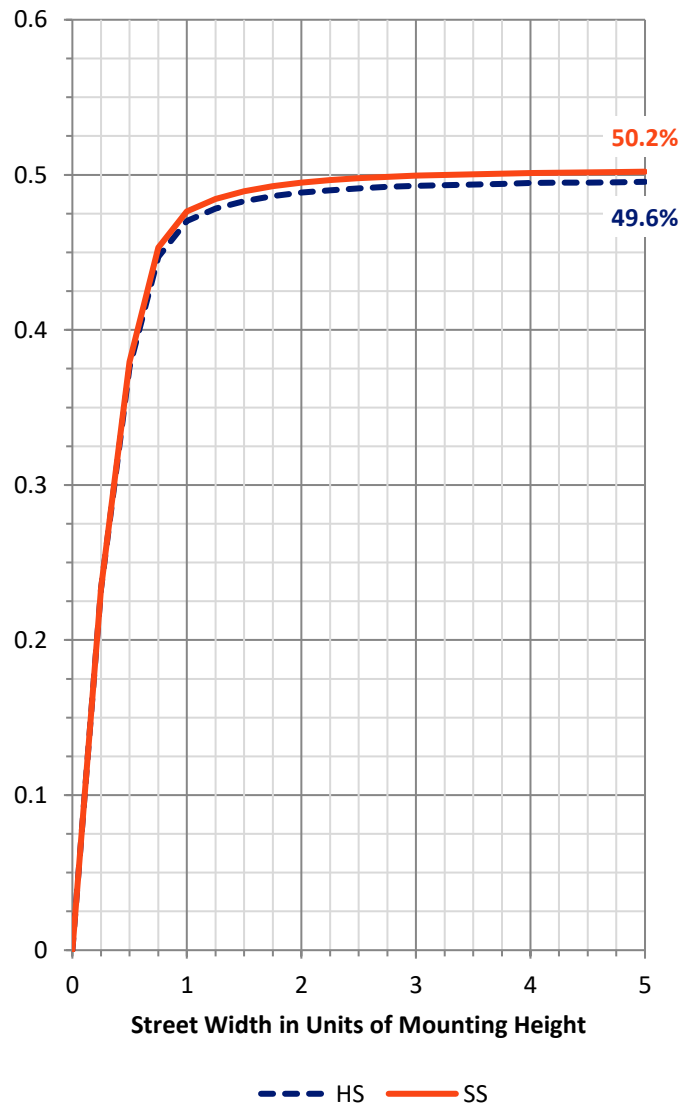
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16342.6	0.0	16342.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16342.6	0.0	16342.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	32685.2	0.0	32685.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3449.1	10.6
10°-20°	7961.9	24.4
20°-30°	8741.5	26.7
30°-40°	7579.5	23.2
40°-50°	2494.0	7.6
50°-60°	1118.2	3.4
60°-70°	790.4	2.4
70°-80°	429.1	1.3
80°-90°	121.7	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°	32685.2	100.0
0°-180°	32685.2	100.0

Coefficient of Utilization



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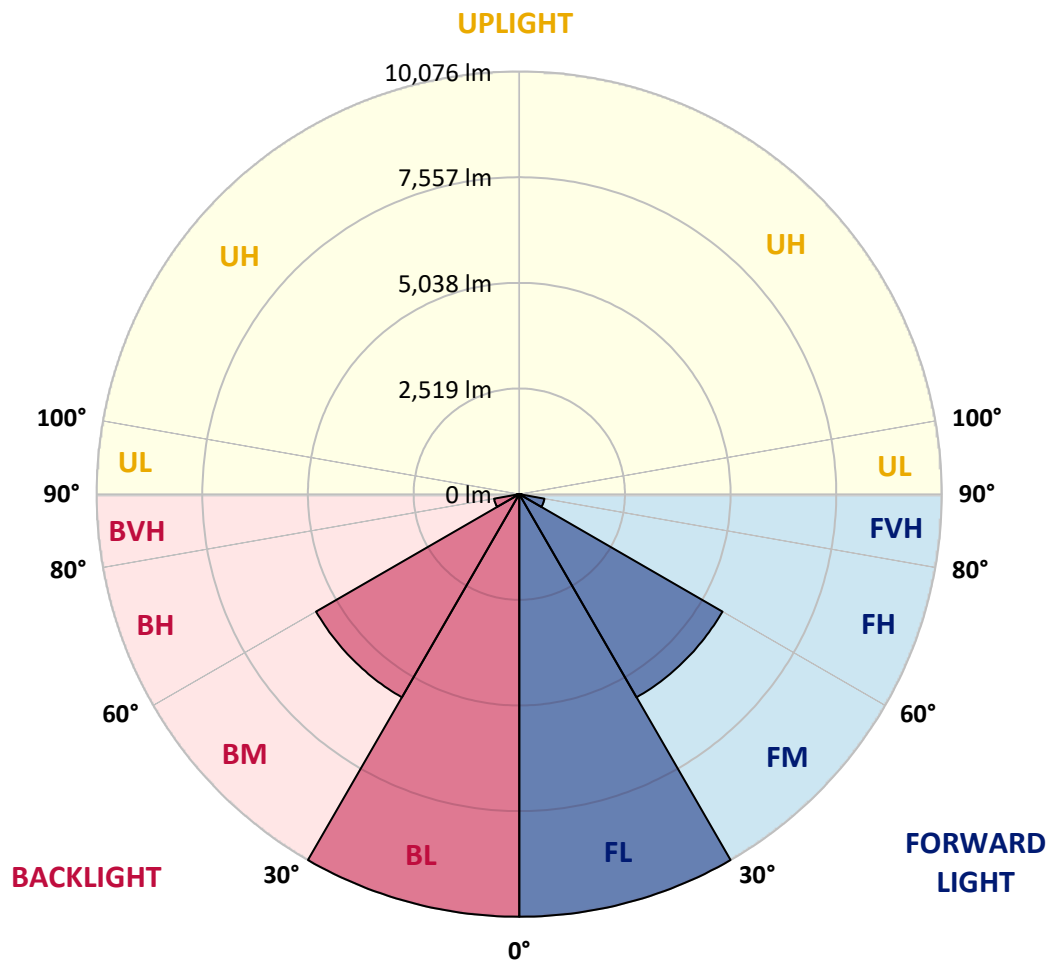
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10076.2	30.8			
FM	(30°-60°)	5595.8	17.1			
FH	(60°-80°)	609.7	1.9			G0/660
FVH	(80°-90°)	60.8	0.2			G1/100
BL	(0°-30°)	10076.2	30.8	B5		
BM	(30°-60°)	5595.8	17.1	B4/8500		
BH	(60°-80°)	609.7	1.9	B2/1000		G0/660
BVH	(80°-90°)	60.8	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°	37414.4	37414.4	37414.4	37414.4	37414.4	37414.4	37414.4	37414.4	37414.4	37414.4
2.5°	37181.6	37176.7	37236.1	37265.8	37280.7	37350.0	37419.3	37602.6	37607.5	37716.5
5°	37132.1	37087.5	37127.1	37067.7	37082.6	37082.6	37171.7	37305.4	37354.9	37463.9
7.5°	36027.7	36017.8	35993.1	35928.7	36007.9	35953.4	36116.9	36235.7	36349.6	36404.1
10°	33967.6	33873.5	33873.5	33784.4	33863.6	33789.3	34056.7	34165.7	34358.8	34472.7
12.5°	31303.3	31263.7	31268.6	31229.0	31224.0	31120.0	31432.0	31526.1	31699.5	31867.8
15°	28460.7	28401.2	28455.7	28455.7	28411.1	28317.1	28648.9	28777.6	29030.2	29109.4
17.5°	25652.7	25628.0	25662.6	25677.5	25642.8	25553.7	25875.6	26157.9	26331.2	26331.2
20°	23077.6	23067.7	23112.2	23067.7	23033.0	22973.6	23270.7	23543.1	23696.6	23706.5
22.5°	20814.4	20868.8	20829.2	20774.8	20700.5	20655.9	20928.3	21180.8	21284.8	21388.8
25°	18828.5	18843.4	18873.1	18788.9	18699.8	18645.3	18848.3	19061.3	19224.7	19284.1
27.5°	17194.3	17248.7	17174.5	17045.7	16996.2	16931.8	17075.4	17228.9	17347.8	17432.0
30°	15604.6	15634.3	15649.2	15515.4	15396.6	15302.5	15421.4	15555.1	15599.6	15673.9
32.5°	14079.3	14128.8	14178.3	14014.9	13930.7	13841.6	13901.0	13985.2	14010.0	14014.9
35°	12558.9	12524.3	12479.7	12420.3	12355.9	12247.0	12306.4	12336.1	12355.9	12355.9
37.5°	10721.7	10751.4	10761.3	10647.4	10617.7	10543.4	10583.0	10587.9	10627.6	10652.3
40°	8111.8	8215.8	8146.5	8077.1	8087.0	7997.9	7983.1	7963.2	8052.4	8087.0
42.5°	4412.5	4590.8	4407.5	4466.9	4422.4	4372.9	4358.0	4382.8	4268.9	4174.8
45°	2218.6	2208.7	2248.3	2248.3	2287.9	2302.8	2268.1	2238.4	2223.6	2183.9
47.5°	1787.8	1758.1	1753.1	1777.9	1807.6	1827.4	1797.7	1782.8	1777.9	1802.6
50°	1535.2	1490.6	1475.8	1510.4	1535.2	1555.0	1530.3	1530.3	1525.3	1564.9
52.5°	1337.1	1292.5	1292.5	1361.9	1381.7	1401.5	1386.6	1386.6	1386.6	1431.2
55°	1183.6	1148.9	1109.3	1198.4	1262.8	1282.6	1272.7	1267.8	1272.7	1322.3
57.5°	1064.7	1044.9	1020.2	1040.0	1139.0	1163.8	1158.8	1158.8	1168.7	1208.4
60°	950.8	940.9	931.0	931.0	1010.3	1054.8	1049.9	1049.9	1059.8	1084.5
62.5°	846.8	836.9	827.0	836.9	866.6	936.0	936.0	940.9	955.8	965.7
65°	742.8	737.9	737.9	742.8	752.7	807.2	827.0	841.9	856.7	861.7
67.5°	643.8	638.8	643.8	653.7	653.7	678.5	723.0	737.9	752.7	752.7
70°	520.0	544.7	559.6	564.6	574.5	579.4	619.0	648.7	663.6	643.8
72.5°	282.3	321.9	485.3	500.2	505.1	510.1	539.8	574.5	584.4	381.3
75°	203.0	203.0	406.1	430.8	435.8	435.8	460.6	495.2	505.1	292.2
77.5°	133.7	128.8	282.3	312.0	356.6	287.2	376.4	416.0	425.9	242.7
80°	104.0	99.0	217.9	242.7	247.6	198.1	307.0	336.8	341.7	198.1
82.5°	79.2	74.3	158.5	178.3	193.1	128.8	217.9	257.5	267.4	173.3
85°	44.6	44.6	79.2	74.3	113.9	84.2	123.8	128.8	173.3	108.9
87.5°	14.9	19.8	34.7	34.7	39.6	34.7	49.5	49.5	54.5	39.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

37414.4
37751.1
37483.7
36493.2
34596.5
31981.7
29218.4
26395.6
23761.0
21448.3
19323.7
17456.7
15688.8
14074.3
12415.3
10756.3
8131.6
4219.3
2218.6
1822.4
1614.4
1480.7
1352.0
1238.1
1104.4
980.5
871.6
752.7
569.5
326.8
287.2
237.7
178.3
178.3
104.0
29.7
0.0