

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: P939303

Luminaire Tested: **GLAN-SB1D-830-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9049 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 79.6
Input Voltage (V): NR
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



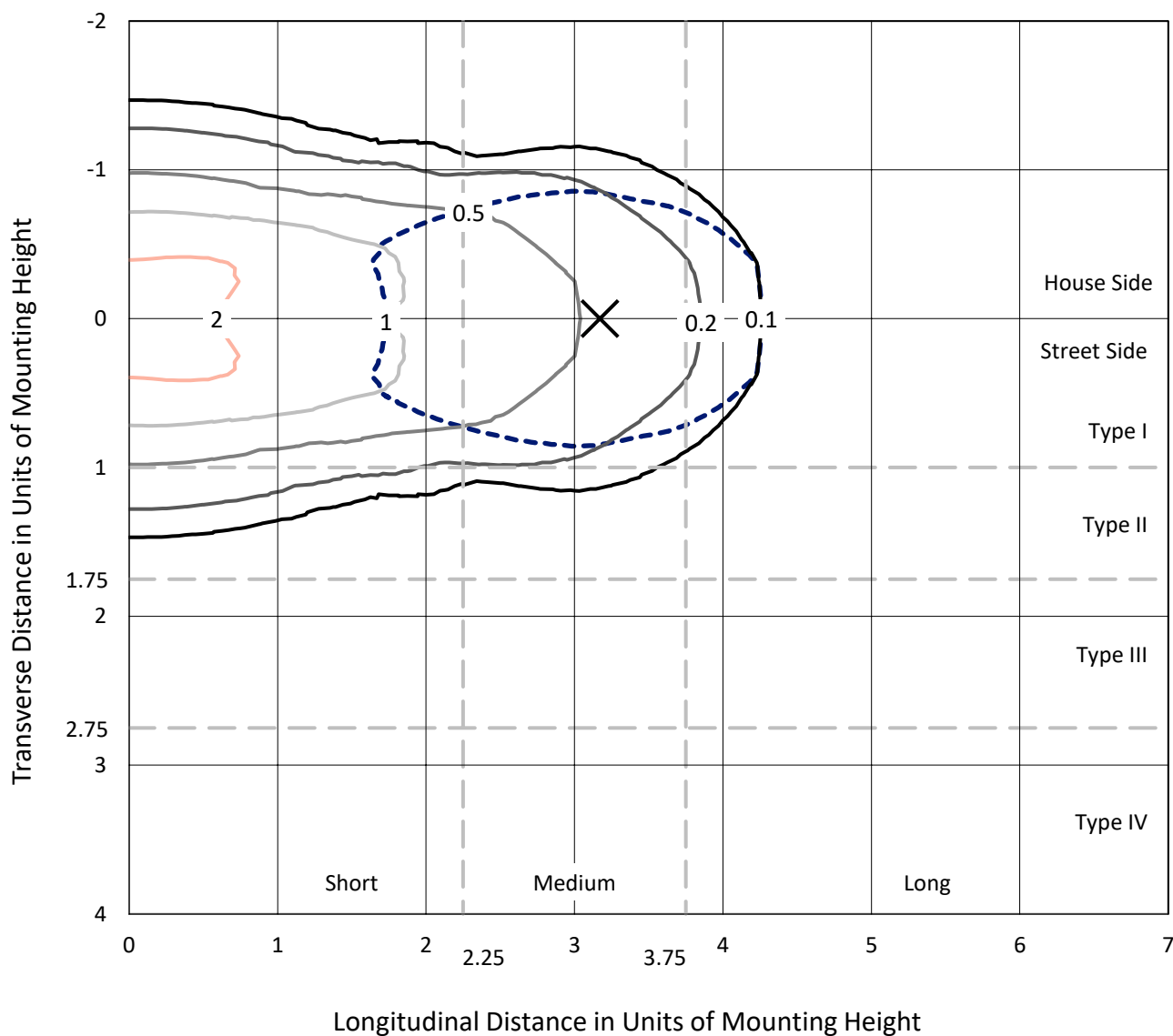
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

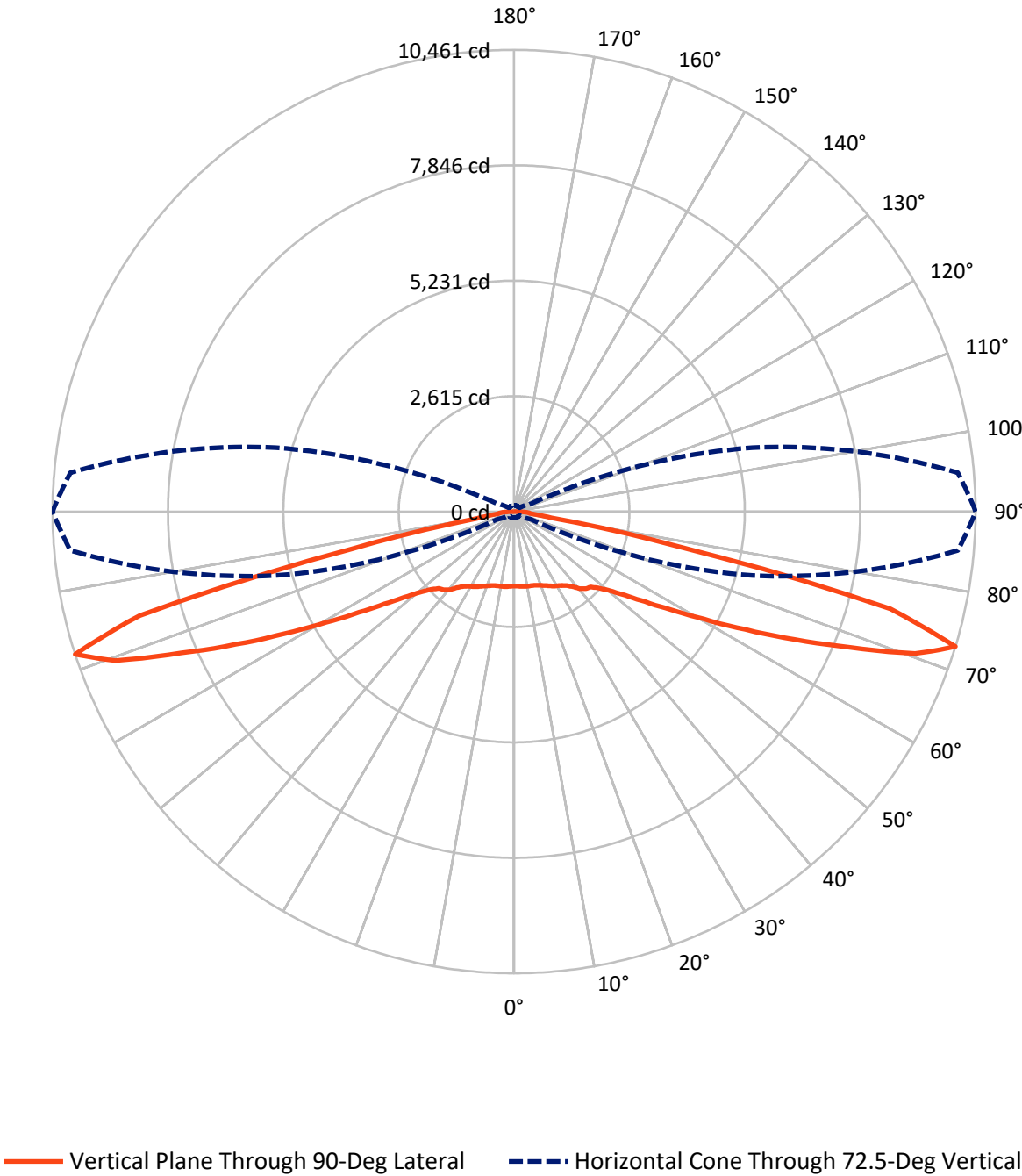


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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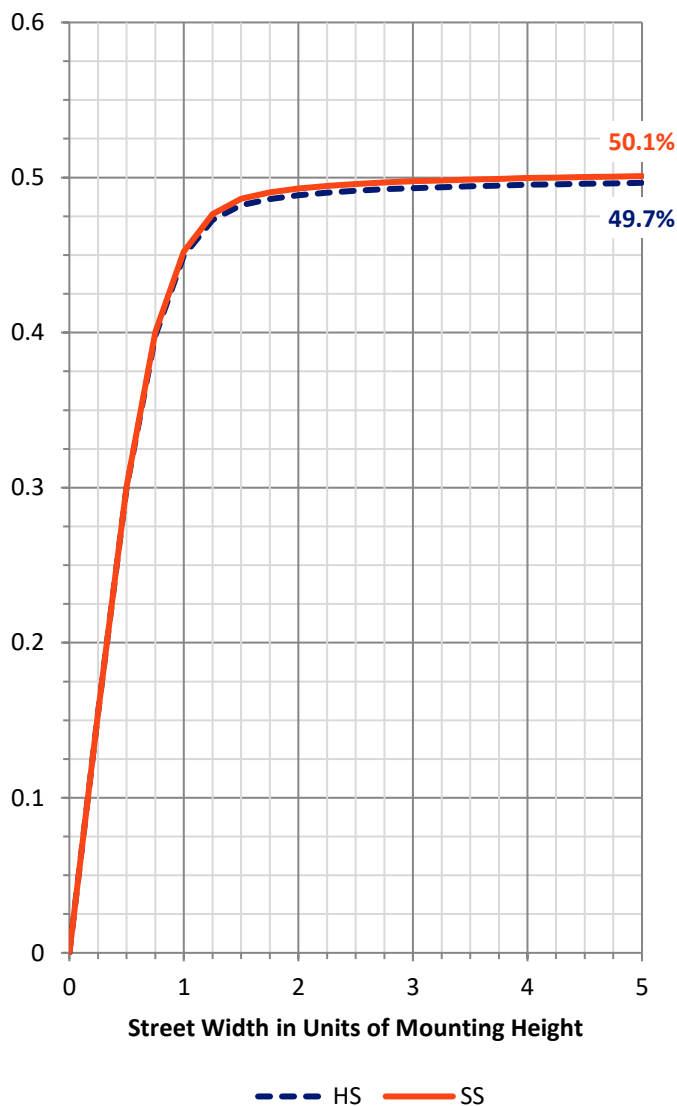
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4524.5	0.0	4524.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4524.5	0.0	4524.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	9049.0	0.0	9049.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.0	1.8
10°-20°	501.3	5.5
20°-30°	835.9	9.2
30°-40°	1149.6	12.7
40°-50°	1404.0	15.5
50°-60°	1623.8	17.9
60°-70°	1936.2	21.4
70°-80°	1351.3	14.9
80°-90°	83.0	0.9
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°	9049.0	100.0
0°-180°	9049.0	100.0

Coefficient of Utilization



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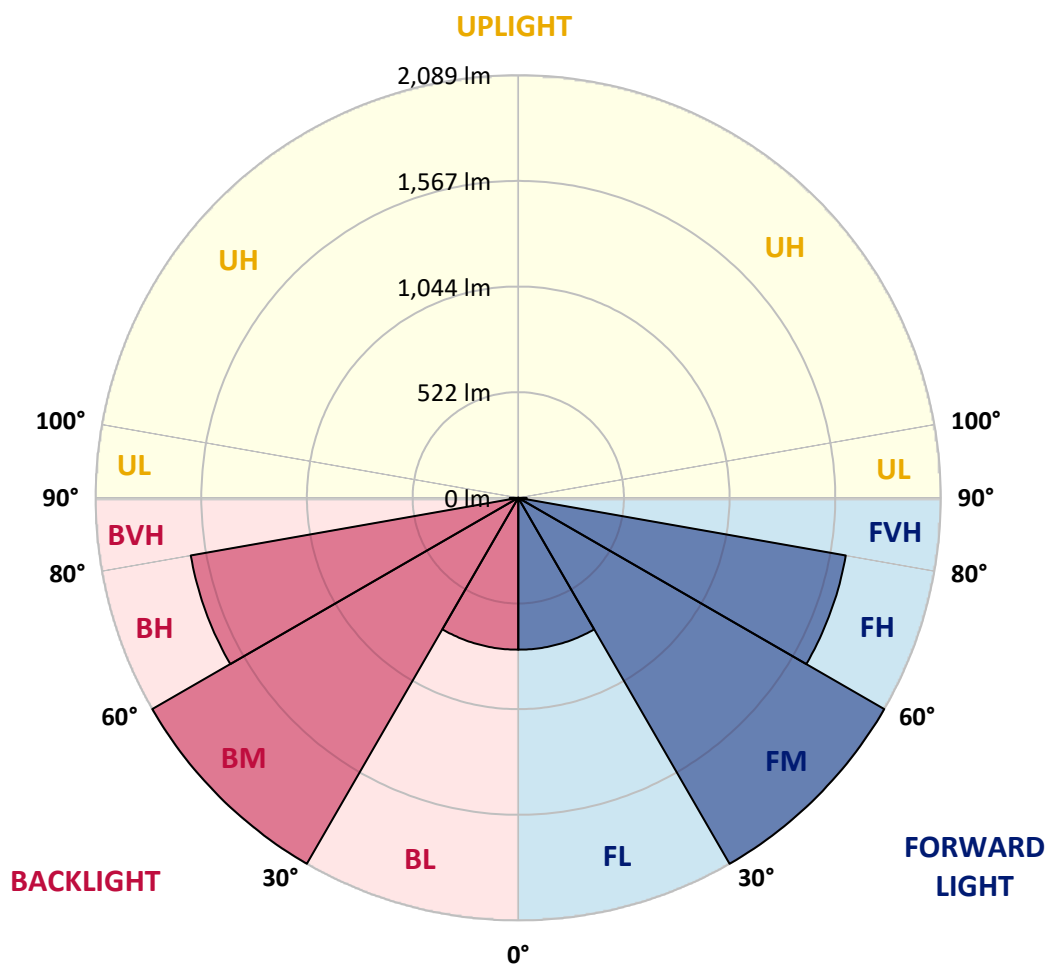
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	750.6	8.3			
FM	(30°-60°)	2088.7	23.1			
FH	(60°-80°)	1643.7	18.2			G1/1800
FVH	(80°-90°)	41.5	0.5			G1/100
BL	(0°-30°)	750.6	8.3	B2/1000		
BM	(30°-60°)	2088.7	23.1	B2/2500		
BH	(60°-80°)	1643.7	18.2	B3/2500		G3/2500
BVH	(80°-90°)	41.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1690.9	1690.9	1690.9	1690.9	1690.9	1690.9	1690.9	1690.9	1690.9	1690.9
2.5°	1692.3	1694.3	1694.3	1692.8	1696.2	1693.3	1693.3	1691.9	1693.3	1691.9
5°	1701.0	1703.4	1704.4	1703.9	1708.2	1705.8	1705.8	1703.9	1704.4	1702.9
7.5°	1717.4	1720.7	1722.6	1725.0	1731.3	1728.4	1726.5	1720.7	1718.3	1714.5
10°	1722.6	1726.5	1732.7	1745.2	1759.7	1760.2	1754.4	1740.0	1728.9	1720.2
12.5°	1706.3	1711.6	1724.6	1750.1	1782.3	1795.3	1786.1	1762.1	1740.4	1725.0
15°	1685.6	1691.4	1711.1	1749.6	1797.2	1827.5	1826.5	1794.8	1760.2	1736.1
17.5°	1653.4	1659.2	1687.5	1741.4	1808.7	1858.7	1872.2	1839.5	1790.9	1758.7
20°	1595.2	1600.5	1639.9	1715.4	1812.6	1891.9	1927.0	1898.2	1837.6	1793.8
22.5°	1519.7	1527.9	1574.0	1670.7	1803.4	1926.6	1989.6	1969.8	1891.9	1831.3
25°	1438.9	1447.6	1501.4	1615.9	1779.9	1951.6	2063.6	2051.1	1953.5	1878.0
27.5°	1369.2	1378.3	1437.0	1561.5	1743.3	1961.2	2136.7	2143.0	2028.0	1929.4
30°	1314.3	1323.0	1385.5	1517.8	1696.2	1951.6	2200.7	2244.0	2104.0	1974.2
32.5°	1254.2	1265.3	1331.2	1464.4	1640.4	1928.5	2256.5	2353.1	2192.0	2022.3
35°	1178.2	1188.3	1257.6	1391.3	1567.3	1891.4	2303.1	2474.3	2318.0	2095.4
37.5°	1085.9	1095.5	1164.3	1299.9	1494.7	1839.5	2338.7	2610.9	2468.1	2200.7
40°	993.1	1002.2	1066.7	1198.0	1407.6	1773.1	2351.2	2744.6	2640.2	2345.4
42.5°	908.0	916.1	975.3	1097.5	1310.0	1688.5	2334.8	2861.0	2794.6	2446.4
45°	829.6	836.8	889.2	1003.2	1208.5	1585.6	2285.8	2986.0	2978.3	2518.6
47.5°	740.1	747.3	801.7	911.8	1107.1	1464.9	2202.6	3109.1	3233.7	2682.1
50°	631.0	637.2	693.0	806.5	1001.7	1336.5	2087.2	3205.8	3555.9	2929.7
52.5°	501.6	508.3	562.7	676.2	876.7	1198.4	1935.2	3268.8	3928.1	3291.4
55°	373.2	378.0	425.1	527.1	721.9	1041.2	1744.8	3286.6	4350.4	3785.8
57.5°	270.8	273.6	303.9	379.9	547.3	844.5	1513.4	3240.4	4852.9	4419.6
60°	219.3	220.3	229.4	263.1	380.4	622.3	1234.0	3081.7	5398.3	5236.7
62.5°	199.1	199.1	201.5	210.6	257.3	410.7	895.9	2752.8	5983.1	6269.2
65°	185.2	185.2	186.1	190.4	202.9	261.6	565.6	2217.0	6476.0	7478.7
67.5°	172.6	173.1	172.6	174.1	181.3	193.3	328.0	1531.2	6741.5	8732.0
70°	159.7	160.6	158.2	158.2	164.0	164.5	205.4	839.7	6521.2	9782.3
72.5°	144.3	145.7	141.9	140.9	145.2	143.3	154.4	403.0	5598.8	10095.9
75°	130.8	132.7	124.1	121.7	121.7	120.2	125.5	206.8	3633.8	8235.7
77.5°	118.8	122.6	108.7	101.0	99.1	94.7	102.4	126.5	1589.4	3866.6
80°	98.1	103.4	89.5	80.3	76.9	72.1	80.8	88.5	472.7	897.9
82.5°	73.1	75.5	63.5	57.2	54.3	51.0	60.6	61.6	153.9	317.9
85°	46.6	47.6	39.0	33.7	32.2	30.8	38.5	33.7	58.7	233.7
87.5°	16.4	18.8	14.9	13.5	14.4	12.0	17.8	10.1	16.4	165.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

1690.9
1691.9
1702.9
1714.5
1718.8
1722.6
1732.3
1753.4
1785.6
1820.3
1862.6
1913.1
1950.6
1992.4
2062.2
2156.4
2298.3
2385.8
2436.8
2587.8
2811.4
3145.7
3603.5
4190.2
4947.7
5882.1
6989.2
8203.5
9643.3
10461.4
8808.9
3786.3
859.9
359.2
339.5
204.4
0.0

OF REPORT)