

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: P947834

Luminaire Tested: **GLAN-SB3A-827-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3A-827-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12264 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 84.7
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

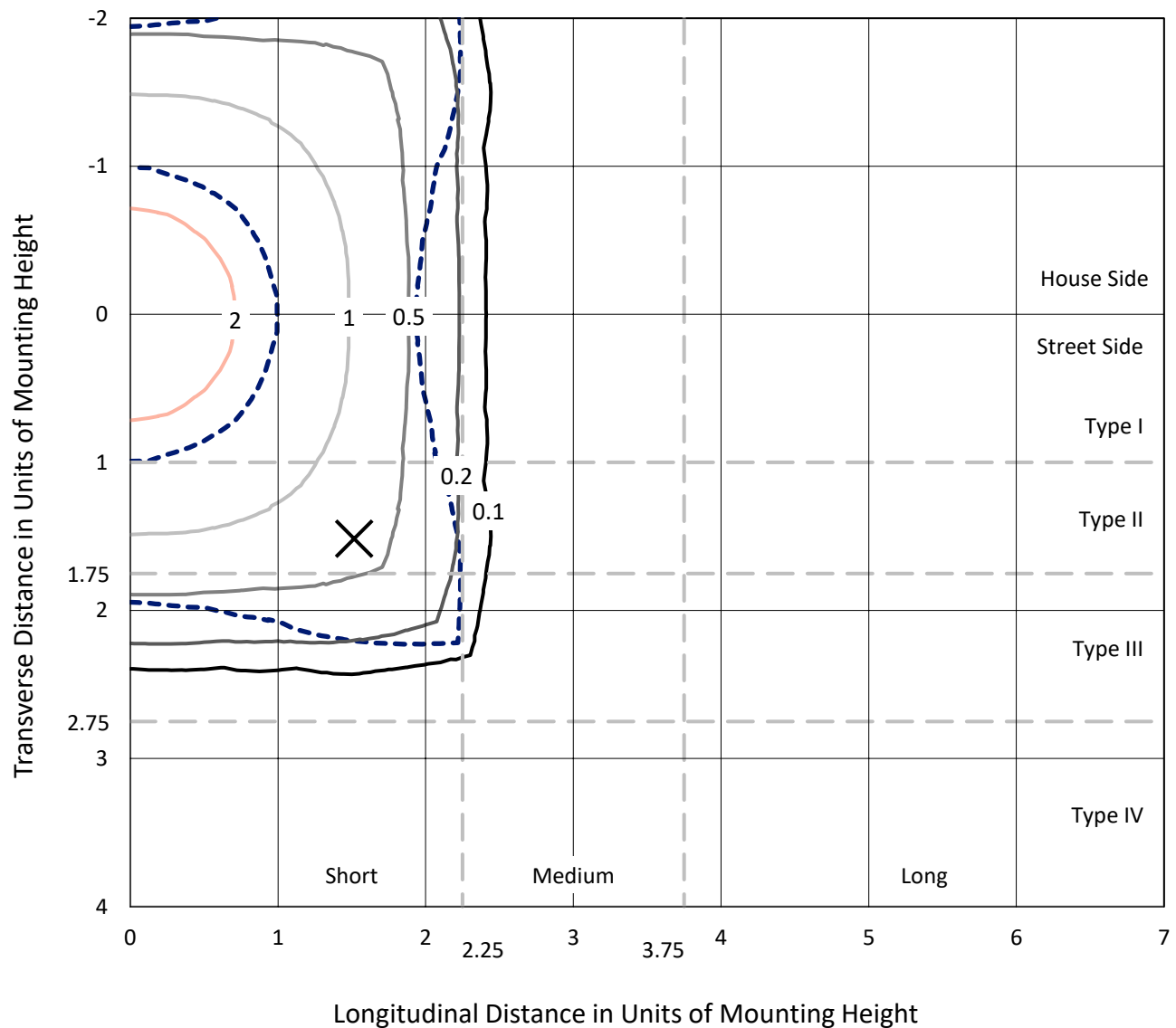


REPORT NUMBER: P947834

CATALOG NUMBER: GLAN-SB3A-827-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

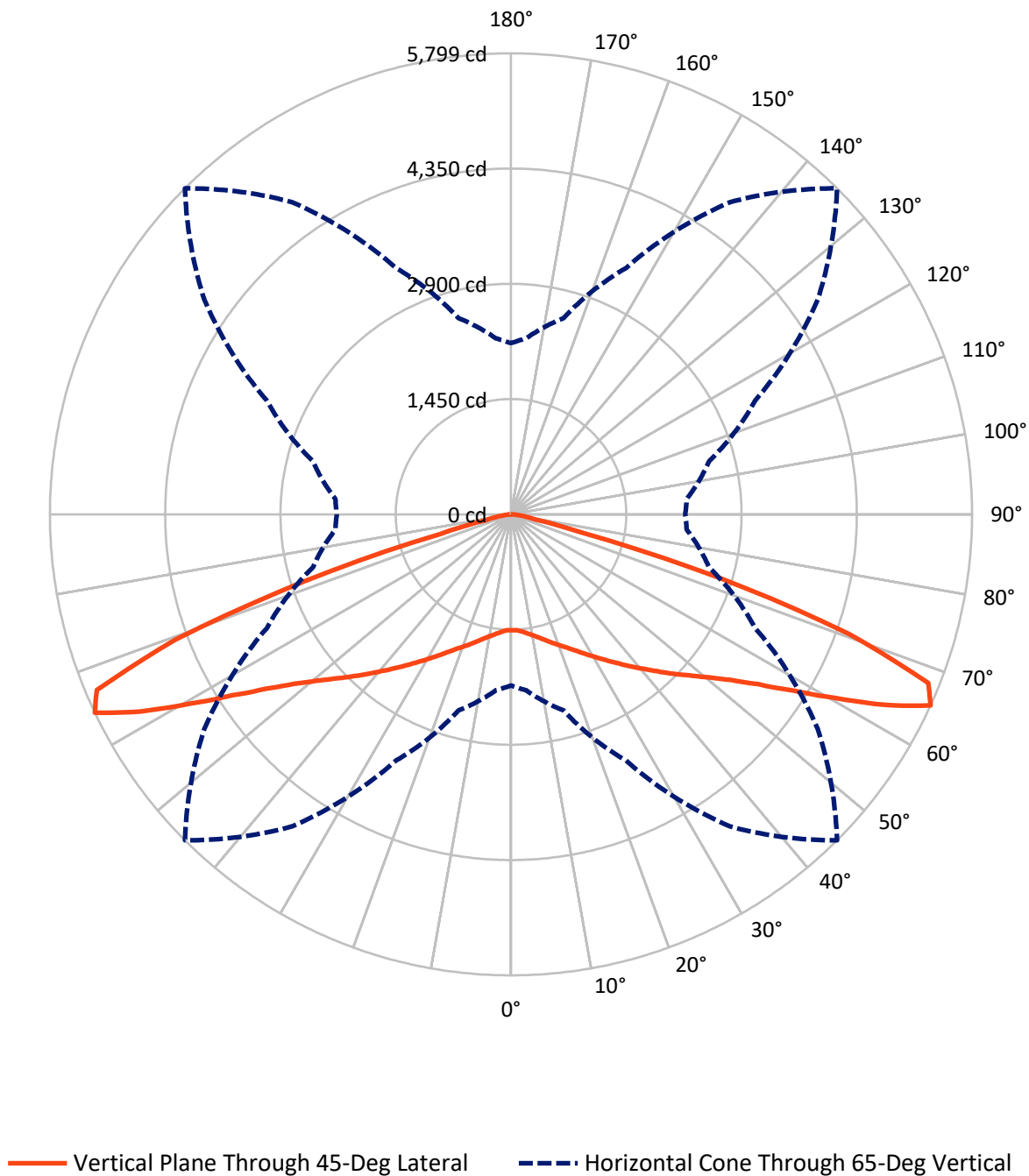


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type V - Short - N/A

REPORT NUMBER: P947834

CATALOG NUMBER: GLAN-SB3A-827-U-5NQ

Luminous Intensity Polar Plot



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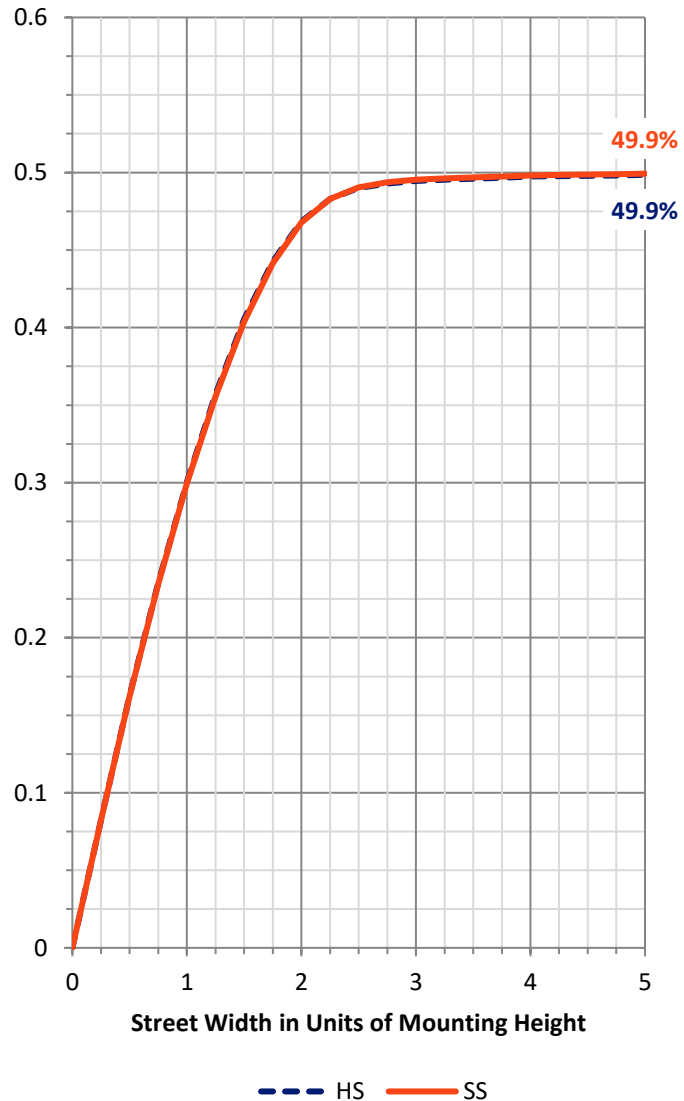
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6132.0	0.0	6132.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6132.0	0.0	6132.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12264.0	0.0	12264.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.0	1.2
10°-20°	470.0	3.8
20°-30°	887.5	7.2
30°-40°	1453.2	11.8
40°-50°	2253.2	18.4
50°-60°	3328.4	27.1
60°-70°	3168.3	25.8
70°-80°	511.3	4.2
80°-90°	48.2	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°	12264.0	100.0
0°-180°	12264.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947834

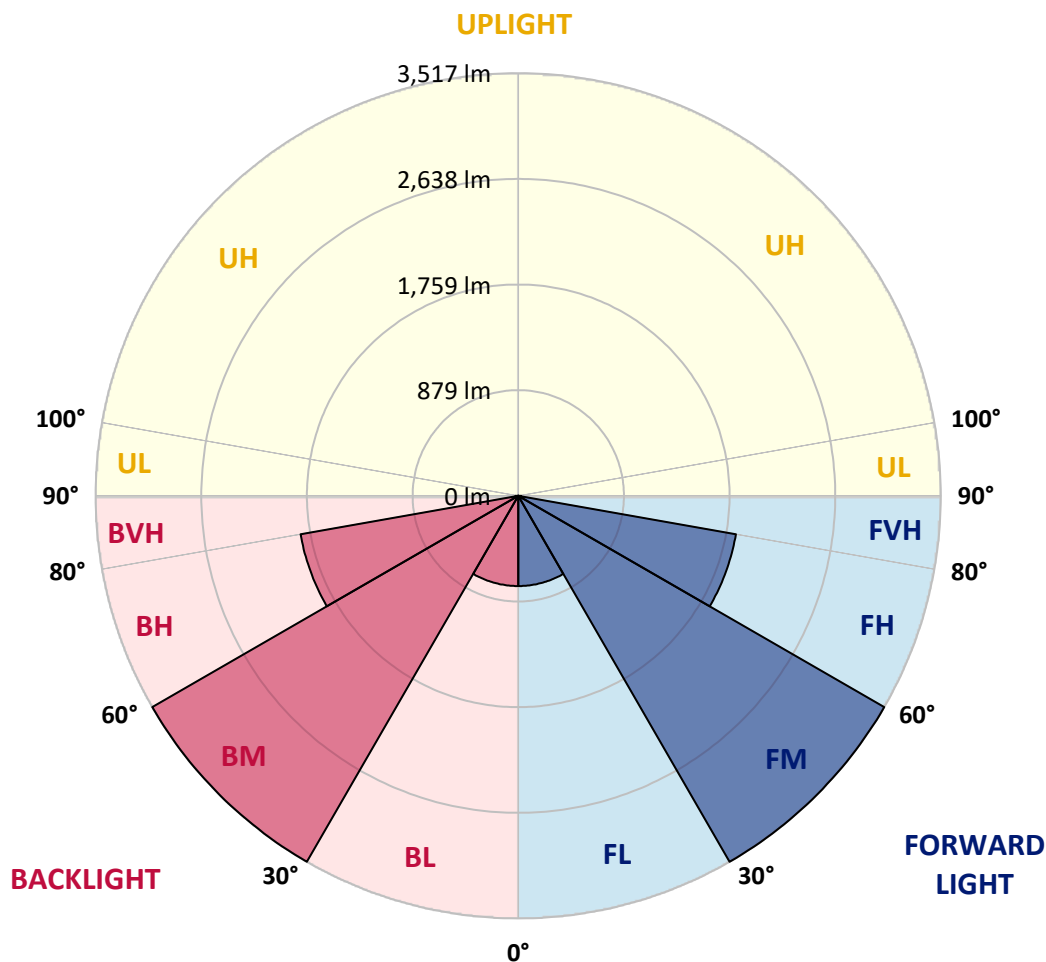
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	750.8	6.1			
FM	(30°-60°)	3517.4	28.7			
FH	(60°-80°)	1839.8	15.0			G2/5000
FVH	(80°-90°)	24.1	0.2			G1/100
BL	(0°-30°)	750.8	6.1	B2/1000		
BM	(30°-60°)	3517.4	28.7	B3/5000		
BH	(60°-80°)	1839.8	15.0	B3/2500		G2/5000
BVH	(80°-90°)	24.1	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1459.5	1459.5	1459.5	1459.5	1459.5	1459.5	1459.5	1459.5	1459.5	1459.5
2.5°	1469.4	1464.5	1468.2	1465.1	1462.6	1460.2	1461.4	1465.7	1467.5	1468.2
5°	1489.1	1484.8	1486.6	1486.6	1482.3	1481.1	1481.7	1484.8	1488.5	1488.5
7.5°	1521.1	1516.8	1521.1	1518.6	1514.9	1513.7	1513.1	1515.5	1521.1	1521.1
10°	1559.8	1554.9	1557.4	1556.1	1551.8	1550.0	1549.4	1553.1	1558.0	1557.4
12.5°	1602.3	1596.8	1599.8	1596.1	1594.9	1593.1	1593.1	1592.4	1595.5	1593.1
15°	1649.7	1646.0	1647.2	1644.7	1646.6	1645.4	1640.4	1638.0	1639.2	1635.5
17.5°	1705.7	1697.1	1701.4	1700.1	1700.1	1702.6	1694.6	1691.5	1694.0	1690.3
20°	1770.3	1761.7	1763.5	1761.0	1758.0	1760.4	1750.6	1753.0	1754.9	1752.4
22.5°	1841.0	1830.0	1829.3	1830.6	1823.8	1824.4	1817.7	1823.8	1827.5	1820.7
25°	1913.6	1902.0	1910.0	1906.9	1898.3	1900.1	1895.2	1901.3	1904.4	1895.8
27.5°	1990.6	1982.6	1989.9	1991.8	1981.3	1988.7	1981.3	1986.9	1989.9	1977.0
30°	2080.4	2072.4	2079.2	2084.1	2071.8	2083.5	2077.3	2081.0	2081.6	2066.2
32.5°	2178.2	2165.9	2183.2	2185.6	2172.1	2186.2	2178.2	2183.2	2186.2	2165.3
35°	2297.6	2282.2	2301.9	2298.8	2287.1	2298.8	2291.5	2298.8	2306.2	2281.0
37.5°	2426.2	2410.2	2431.1	2425.6	2414.5	2422.5	2418.2	2423.1	2434.8	2407.7
40°	2567.7	2548.0	2576.3	2566.5	2556.0	2554.8	2557.3	2560.3	2575.7	2545.6
42.5°	2719.1	2698.2	2740.6	2725.3	2710.5	2700.6	2708.6	2714.8	2729.6	2695.7
45°	2892.0	2868.0	2923.4	2904.9	2881.5	2861.2	2874.2	2883.4	2904.9	2864.3
47.5°	3082.8	3055.7	3114.7	3109.2	3071.1	3026.8	3056.3	3082.8	3098.8	3049.5
50°	3269.2	3248.3	3325.8	3332.6	3285.8	3223.7	3264.9	3304.9	3309.2	3244.6
52.5°	3443.9	3423.0	3535.6	3578.1	3536.2	3462.4	3506.1	3546.7	3514.1	3430.4
55°	3583.6	3566.4	3709.8	3819.3	3833.4	3772.5	3798.4	3797.1	3690.1	3561.5
57.5°	3617.5	3615.0	3795.9	4027.9	4175.6	4182.9	4131.9	4001.4	3770.7	3597.8
60°	3463.6	3479.0	3727.6	4136.8	4530.6	4694.3	4473.4	4101.1	3679.0	3439.0
62.5°	3003.4	3044.0	3343.6	4003.9	4817.3	5282.5	4747.2	3949.7	3302.4	2989.2
65°	2152.4	2223.2	2554.2	3416.9	4791.5	5799.4	4707.8	3389.2	2578.8	2217.6
67.5°	976.5	1048.5	1329.7	2339.4	4165.1	5659.1	4155.3	2364.1	1396.2	1052.2
70°	353.8	366.1	456.6	936.5	2661.9	4509.1	2775.7	943.3	485.5	390.1
72.5°	214.1	216.0	235.1	335.3	924.8	2737.6	964.2	346.4	240.0	212.9
75°	136.0	134.8	167.4	204.9	328.0	923.6	344.0	204.9	166.8	152.0
77.5°	97.8	100.9	120.0	153.2	206.7	313.2	203.1	146.4	120.0	98.5
80°	73.2	75.1	87.4	119.4	145.2	195.1	129.2	108.3	90.5	61.5
82.5°	52.9	52.9	57.2	86.8	88.6	105.2	70.1	76.3	59.7	43.7
85°	31.4	30.8	35.7	51.7	46.1	38.8	32.0	46.8	37.5	27.1
87.5°	11.1	11.7	11.1	14.8	12.3	10.5	9.8	12.9	10.5	9.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1459.5
1468.2
1488.5
1519.2
1556.1
1594.3
1636.1
1693.4
1758.0
1827.5
1905.6
1986.9
2075.5
2179.5
2296.4
2424.4
2555.4
2713.6
2885.2
3066.1
3252.6
3432.9
3565.8
3586.7
3410.7
2970.8
2191.2
1036.8
385.2
216.6
153.2
100.3
63.4
43.7
26.5
8.6
0.0

OF REPORT)