

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: P635897

Luminaire Tested: **IFLD-S-SA2B-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635897
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (32) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5567.2 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 82.4
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: 25 FT



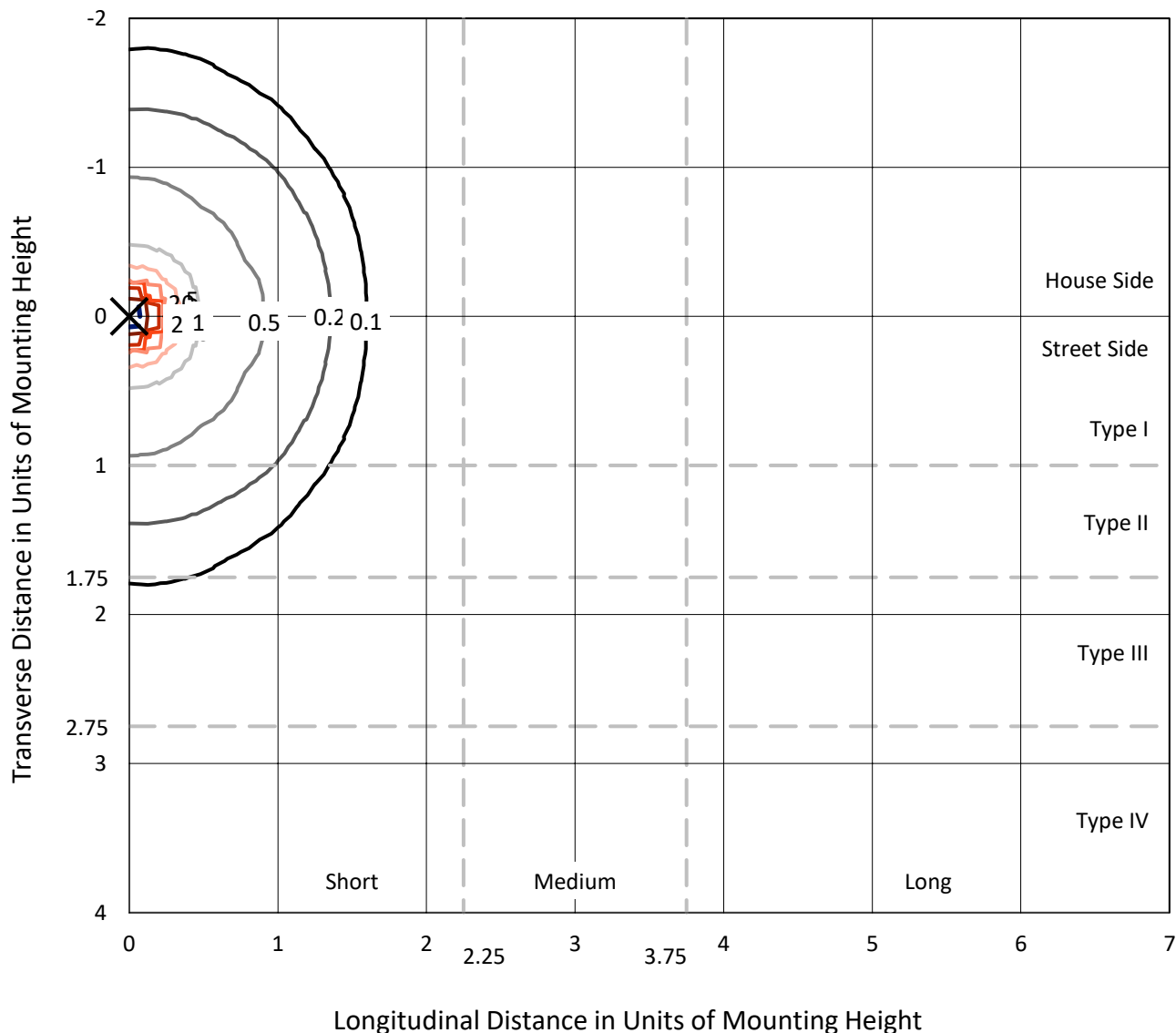
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

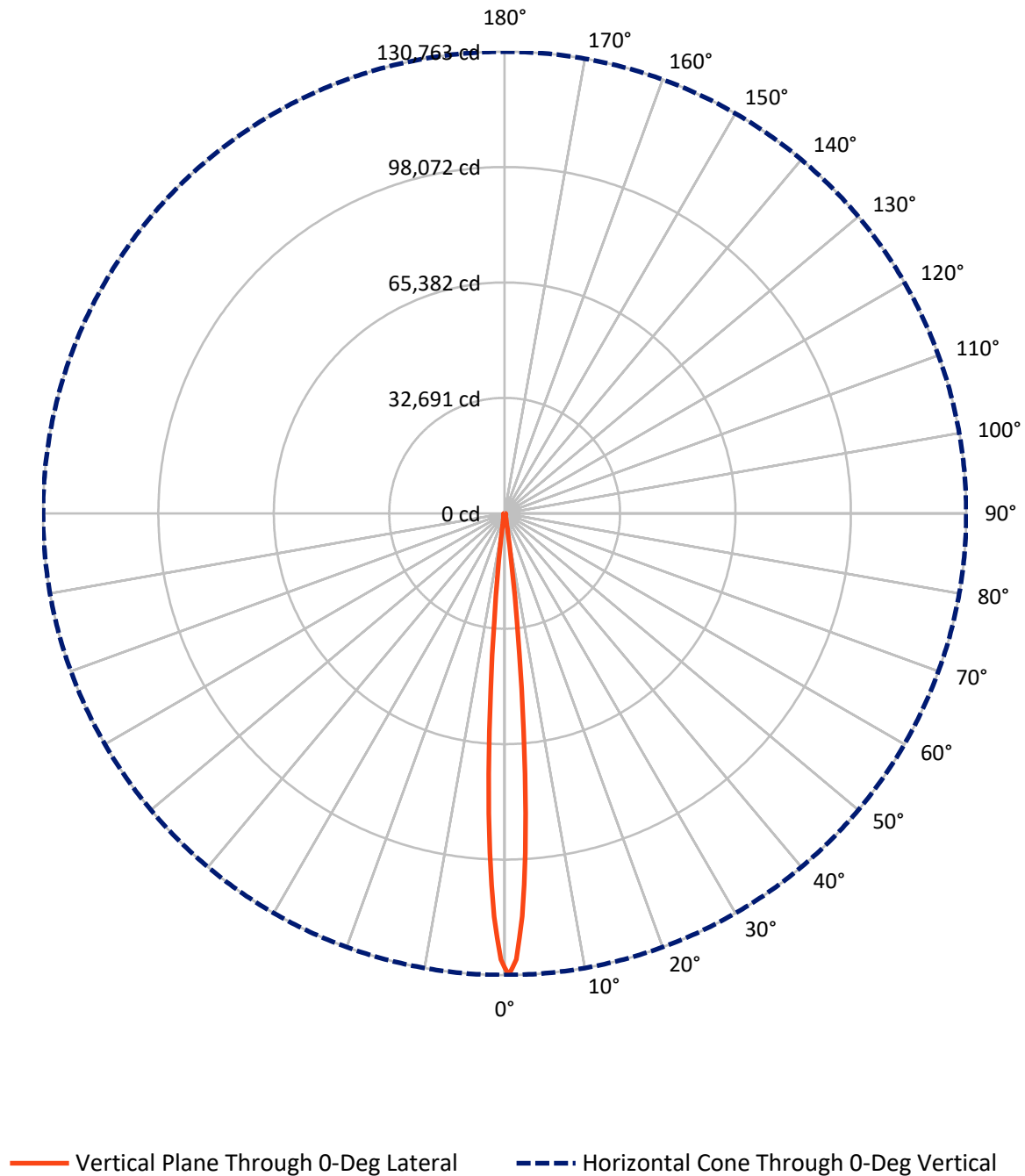


Based on 20 foot mounting height. Maximum calculated value = 326.9 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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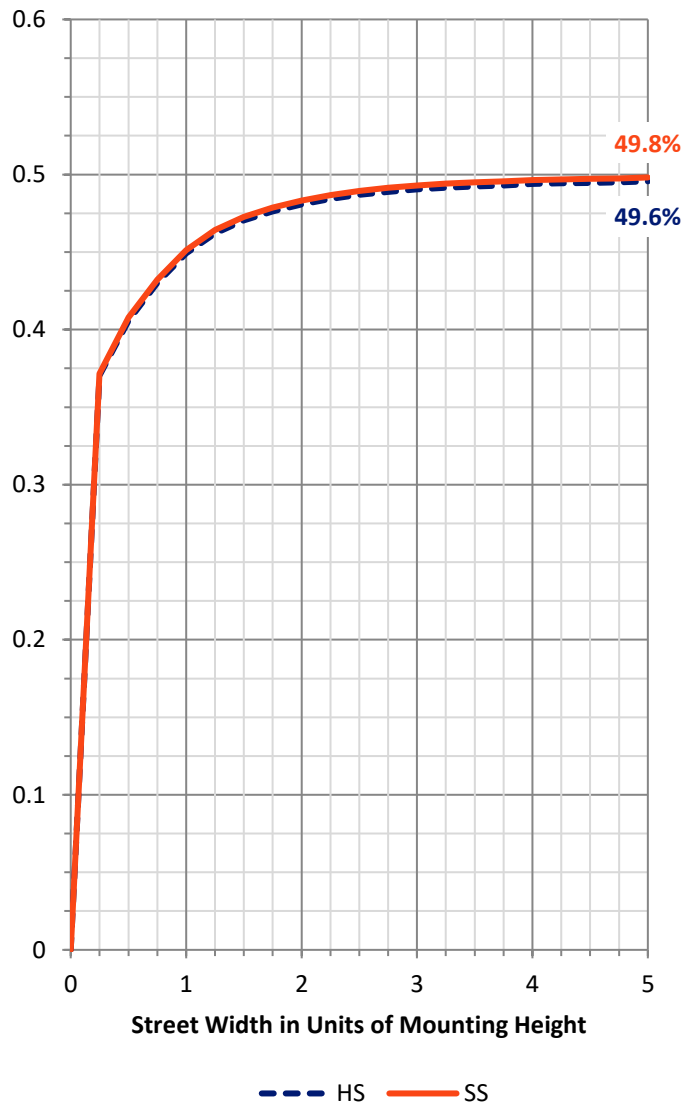
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2783.6	0.0	2783.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2783.6	0.0	2783.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5567.2	0.0	5567.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3513.9	63.1
10°-20°	434.3	7.8
20°-30°	260.2	4.7
30°-40°	279.8	5.0
40°-50°	376.2	6.8
50°-60°	335.3	6.0
60°-70°	221.5	4.0
70°-80°	109.8	2.0
80°-90°	36.3	0.7
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°	5567.2	100.0
0°-180°	5567.2	100.0



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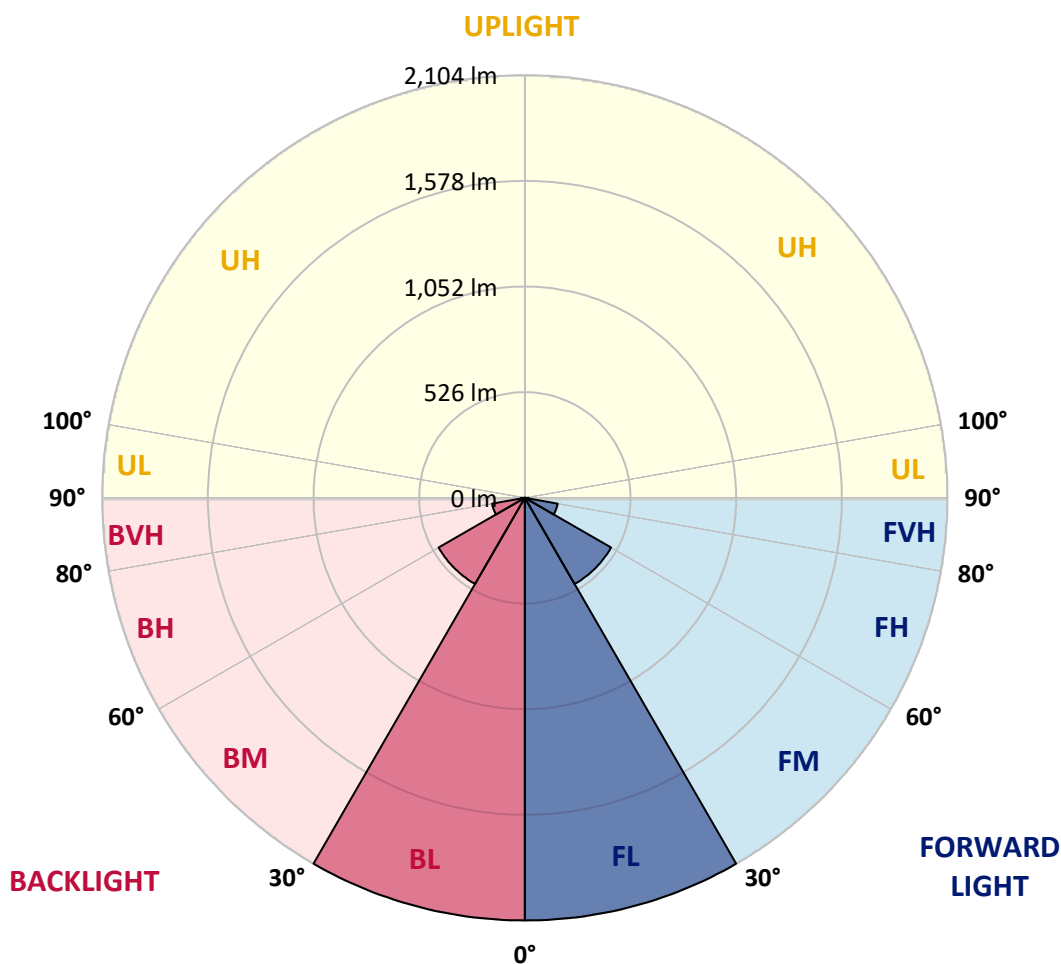
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2104.2	37.8			
FM	(30°-60°)	495.6	8.9			
FH	(60°-80°)	165.7	3.0			G0/660
FVH	(80°-90°)	18.1	0.3			G1/100
BL	(0°-30°)	2104.2	37.8	B3/2500		
BM	(30°-60°)	495.6	8.9	B1/1000		
BH	(60°-80°)	165.7	3.0	B1/500		G0/660
BVH	(80°-90°)	18.1	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	130763.0	130763.0	130763.0	130763.0	130763.0	130763.0	130763.0	130763.0	130763.0	130763.0
1°	126380.0	125082.8	125750.0	126387.7	127282.0	127675.9	128077.5	128377.7	128372.6	128867.9
2°	114310.1	112220.0	113188.7	114376.9	116674.8	117334.3	118436.5	119800.4	119883.8	121118.1
3°	96349.7	93415.3	94842.1	96957.9	100767.3	101752.7	103519.5	104766.7	104209.8	105654.5
4°	73935.7	70107.0	72287.0	75419.0	79127.0	82889.0	82963.4	83857.7	82021.6	81933.1
5°	49882.0	46506.2	49303.3	53220.5	56424.4	59053.4	60672.6	60784.2	58799.3	58618.4
6°	30422.9	28189.1	30623.1	34768.7	39206.8	40300.0	40547.6	39985.6	37382.3	35941.4
7°	16814.7	15903.7	18282.5	20756.3	24216.7	25816.7	24709.4	22913.1	22116.3	20400.8
8°	9272.8	8823.7	9502.4	11640.0	14325.5	15376.3	14307.5	12441.9	11098.6	10623.8
9°	5590.3	5341.4	5618.6	6432.0	7591.9	8320.7	7708.7	6790.0	6222.9	6065.1
10°	3713.2	3615.7	3733.7	4008.3	4425.3	4638.3	4485.6	4121.2	3949.3	3939.0
12.5°	1949.0	1931.0	1960.5	1991.3	2063.2	2074.7	2047.8	2022.1	1982.3	1997.7
15°	1254.8	1238.2	1269.0	1308.7	1326.7	1338.2	1339.5	1325.4	1298.5	1285.6
17.5°	914.8	918.7	921.2	944.3	979.0	1005.9	994.4	979.0	948.2	932.8
20°	753.2	754.4	759.6	772.4	784.0	821.2	809.6	786.5	757.0	745.5
22.5°	644.1	646.7	649.2	656.9	659.5	669.8	671.0	650.5	633.8	627.4
25°	567.1	567.1	571.0	577.4	579.9	572.2	573.5	564.6	549.2	541.5
27.5°	481.2	483.7	487.6	490.1	485.0	476.0	464.5	472.2	464.5	446.5
30°	428.5	431.1	442.7	435.0	423.4	411.9	405.5	415.7	417.0	401.6
32.5°	424.7	426.0	429.8	426.0	411.9	397.8	388.8	400.3	402.9	396.5
35°	443.9	440.1	445.2	447.8	433.7	418.3	406.7	417.0	424.7	427.3
37.5°	537.6	515.8	499.1	494.0	485.0	474.7	459.3	461.9	476.0	488.9
40°	511.9	506.8	500.4	483.7	467.0	479.9	461.9	456.8	488.9	491.4
42.5°	508.1	511.9	506.8	486.3	469.6	482.4	478.6	463.2	495.3	491.4
45°	510.7	514.5	526.1	491.4	477.3	483.7	491.4	474.7	506.8	494.0
47.5°	490.1	495.3	508.1	488.9	479.9	478.6	490.1	474.7	491.4	490.1
50°	463.2	468.3	472.2	455.5	472.2	463.2	464.5	458.1	458.1	460.6
52.5°	428.5	433.7	437.5	418.3	428.5	432.4	417.0	415.7	404.2	408.0
55°	386.2	393.9	397.8	390.1	384.9	392.6	370.8	368.2	345.1	346.4
57.5°	337.4	345.1	349.0	358.0	354.1	338.7	325.9	315.6	290.0	279.7
60°	347.7	355.4	347.7	322.1	322.1	287.4	275.9	254.0	228.4	215.6
62.5°	336.2	346.4	345.1	318.2	286.1	242.5	222.0	198.9	173.2	156.5
65°	316.9	327.2	322.1	304.1	273.3	207.9	177.1	154.0	121.9	118.0
67.5°	284.8	300.2	290.0	278.4	254.0	188.6	141.1	115.5	88.5	88.5
70°	236.1	247.6	254.0	241.2	227.1	177.1	120.6	88.5	64.2	48.8
72.5°	189.9	200.2	210.4	204.0	191.2	160.4	107.8	70.6	46.2	28.2
75°	105.2	109.1	112.9	128.3	146.3	130.9	98.8	61.6	38.5	21.8
77.5°	80.8	84.7	93.7	86.0	79.6	101.4	107.8	71.9	33.4	15.4
80°	62.9	68.0	96.2	79.6	68.0	77.0	92.4	62.9	21.8	7.7
82.5°	47.5	51.3	68.0	75.7	71.9	57.7	50.0	42.3	19.2	5.1
85°	34.6	39.8	47.5	42.3	41.1	41.1	55.2	37.2	14.1	3.8
87.5°	20.5	20.5	21.8	20.5	19.2	19.2	21.8	18.0	9.0	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
130763.0
127872.2
120027.5
104109.7
81543.1
57885.8
36067.1
19595.1
10192.7
5850.8
3817.1
1940.0
1265.1
916.1
732.6
619.7
535.0
447.8
396.5
392.6
427.3
500.4
495.3
488.9
490.1
487.6
451.6
401.6
337.4
273.3
205.3
154.0
118.0
78.3
43.6
26.9
19.2
7.7
5.1
3.8
2.6
2.6
0.0

OF REPORT)