

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: P635899

Luminaire Tested: **IFLD-S-SA2D-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635899
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-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: 7625.7 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 123.9
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



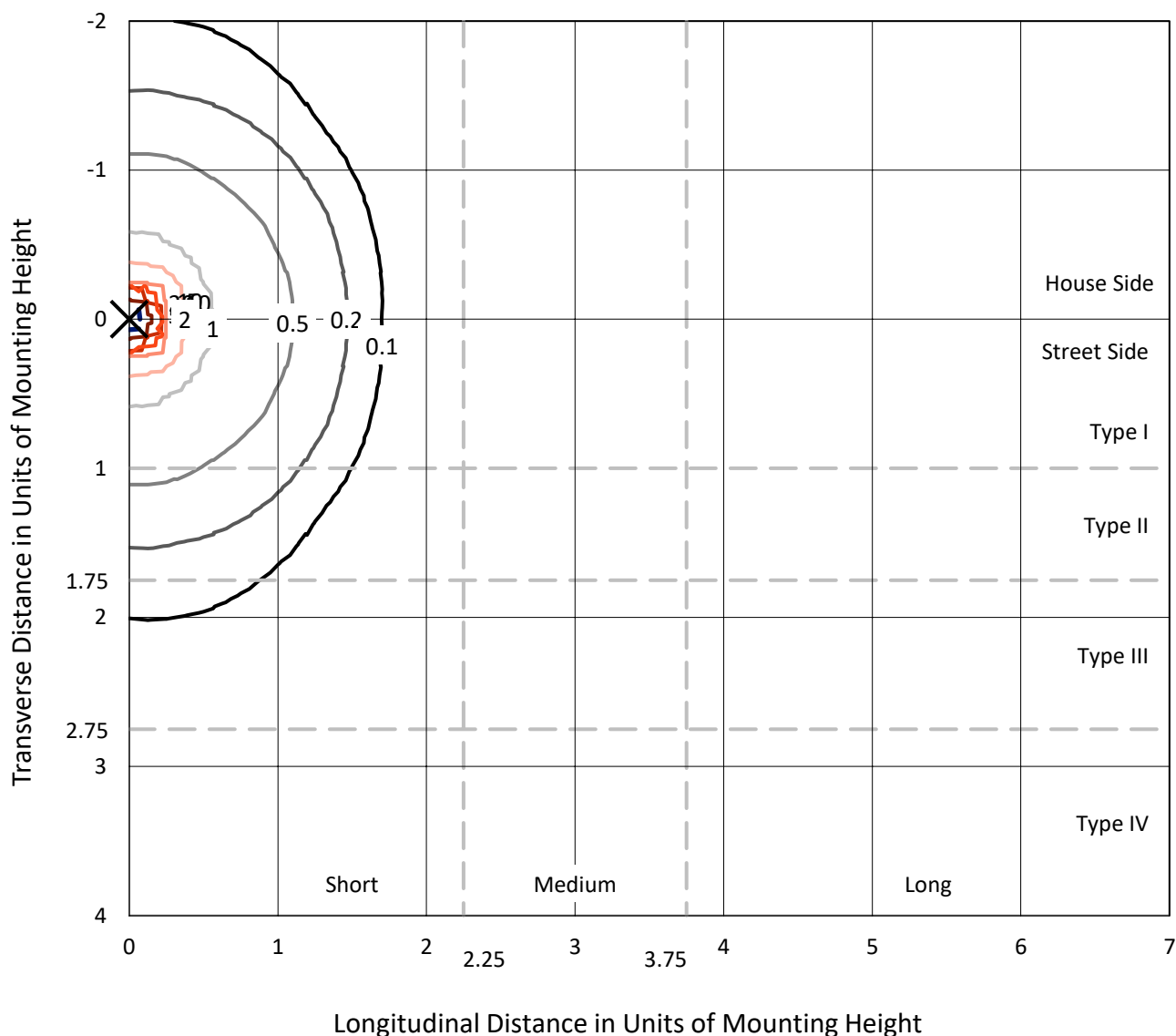
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

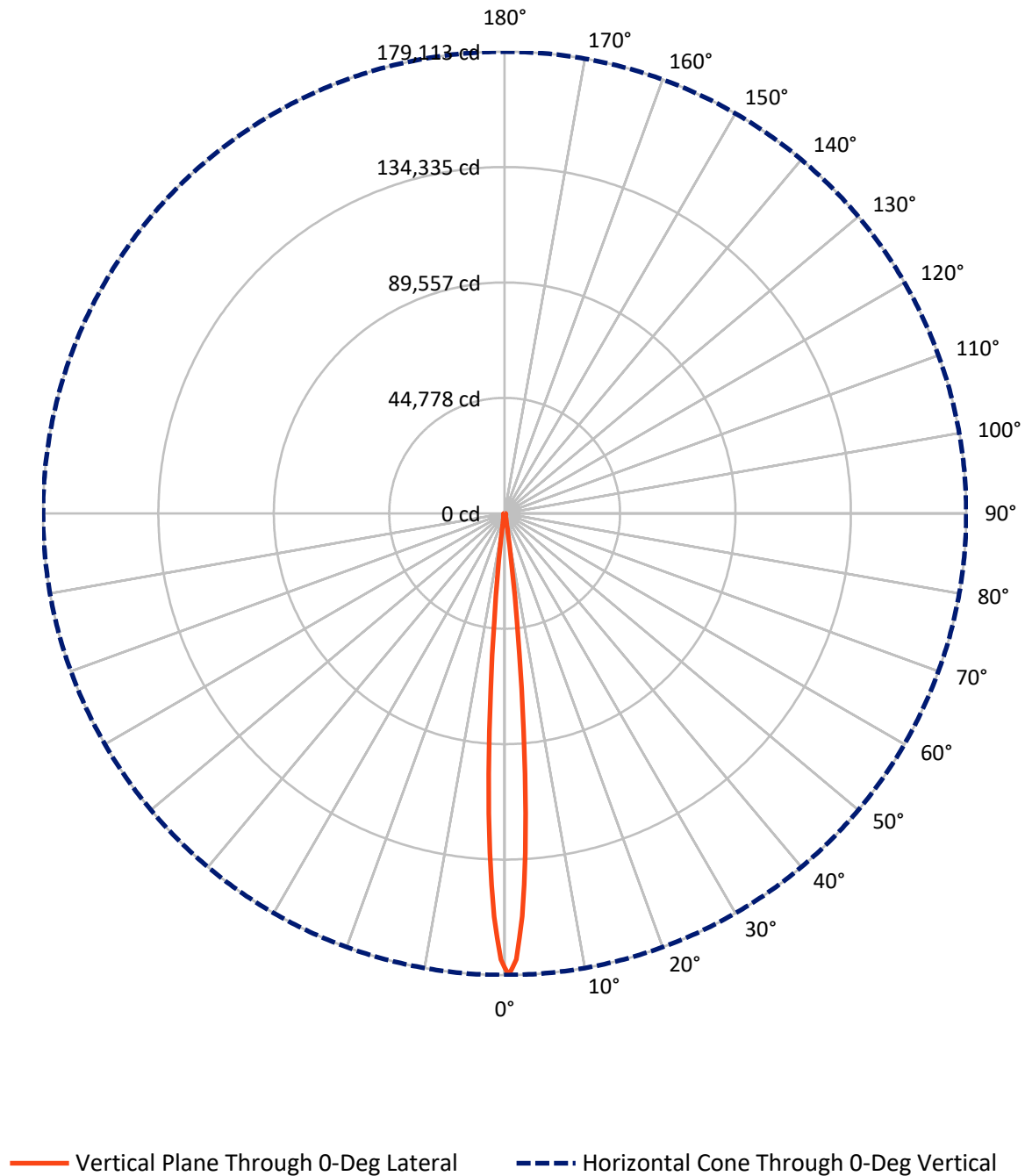


Based on 20 foot mounting height. Maximum calculated value = 447.8 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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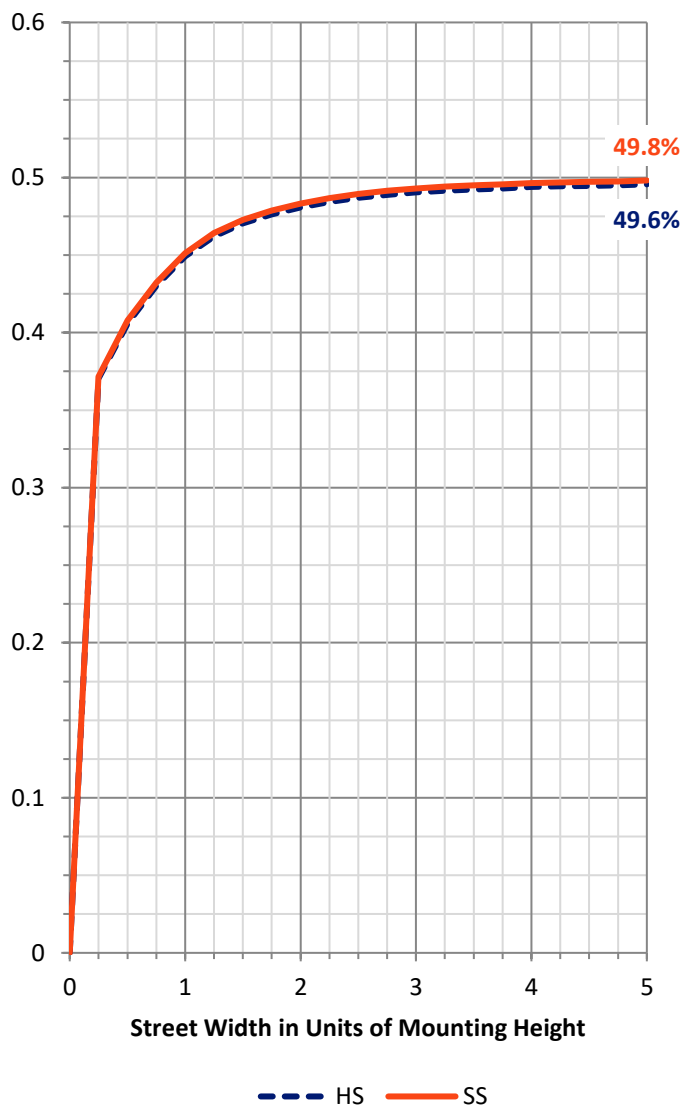
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3812.8	0.0	3812.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3812.8	0.0	3812.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	7625.7	0.0	7625.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4813.1	63.1
10°-20°	594.8	7.8
20°-30°	356.4	4.7
30°-40°	383.2	5.0
40°-50°	515.3	6.8
50°-60°	459.3	6.0
60°-70°	303.4	4.0
70°-80°	150.4	2.0
80°-90°	49.7	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°	7625.7	100.0
0°-180°	7625.7	100.0

Coefficient of Utilization



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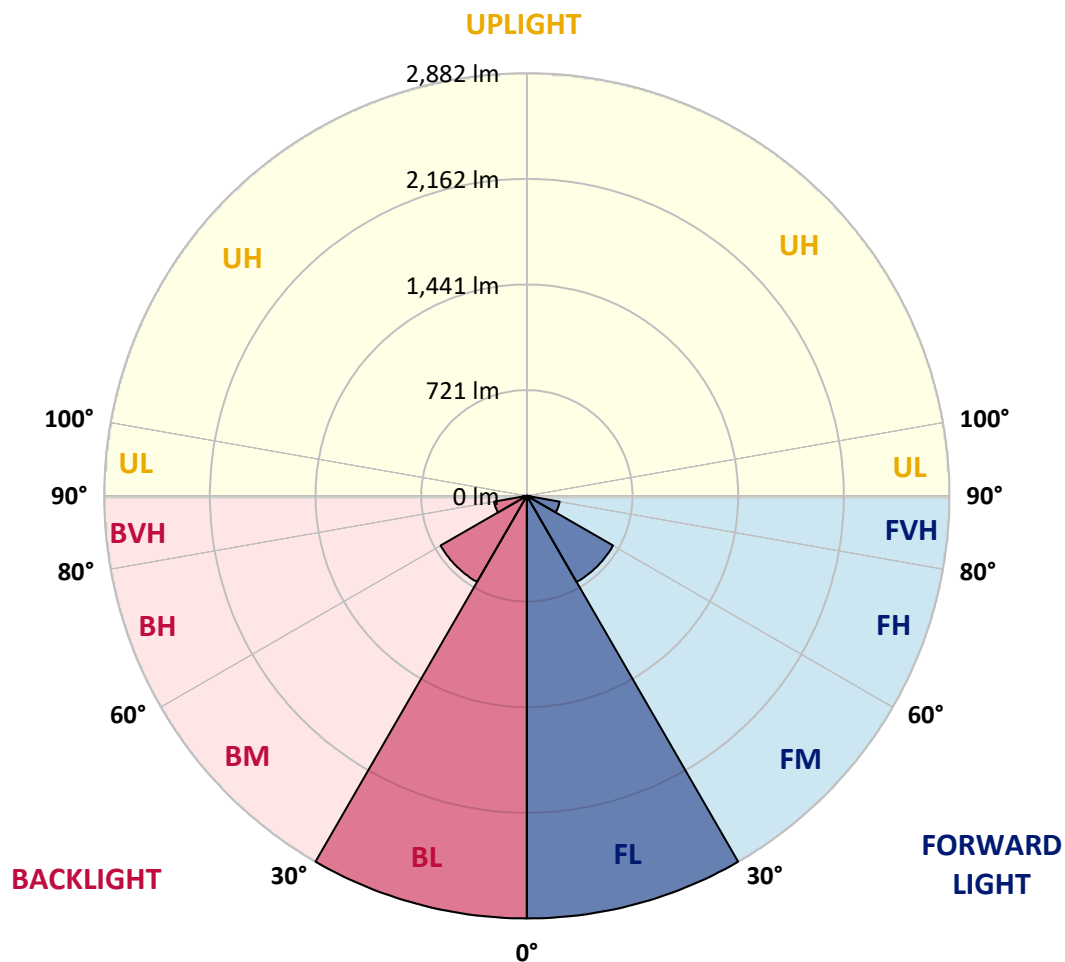
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2882.2	37.8			
FM	(30°-60°)	678.9	8.9			
FH	(60°-80°)	226.9	3.0			G0/660
FVH	(80°-90°)	24.8	0.3			G1/100
BL	(0°-30°)	2882.2	37.8	B4/5000		
BM	(30°-60°)	678.9	8.9	B1/1000		
BH	(60°-80°)	226.9	3.0	B1/500		G0/660
BVH	(80°-90°)	24.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	179113.0	179113.0	179113.0	179113.0	179113.0	179113.0	179113.0	179113.0	179113.0	179113.0
1°	173109.4	171332.5	172246.4	173119.9	174344.9	174884.4	175434.5	175845.8	175838.7	176517.1
2°	156576.6	153713.7	155040.6	156668.0	159815.7	160719.1	162228.7	164097.0	164211.2	165901.9
3°	131975.3	127955.9	129910.2	132808.3	138026.3	139376.1	141796.1	143504.4	142741.7	144720.6
4°	101273.7	96029.3	99015.3	103305.3	108384.5	113537.4	113639.4	114864.4	112349.4	112228.1
5°	68326.0	63702.0	67533.4	72899.0	77287.4	80888.5	83106.5	83259.4	80540.5	80292.7
6°	41671.9	38612.1	41946.0	47624.5	53703.7	55201.0	55540.2	54770.5	51204.5	49230.8
7°	23031.9	21784.1	25042.5	28430.9	33170.9	35362.5	33845.8	31385.3	30293.9	27944.1
8°	12701.4	12086.3	13016.0	15944.0	19622.4	21061.8	19597.8	17042.4	15202.3	14552.0
9°	7657.4	7316.4	7696.1	8810.3	10399.1	11397.3	10559.0	9300.6	8523.8	8307.7
10°	5086.2	4952.6	5114.3	5490.4	6061.6	6353.3	6144.2	5645.1	5409.6	5395.5
12.5°	2669.6	2645.0	2685.4	2727.6	2826.0	2841.9	2805.0	2769.8	2715.3	2736.4
15°	1718.8	1696.0	1738.2	1792.6	1817.2	1833.1	1834.8	1815.5	1778.6	1761.0
17.5°	1253.1	1258.4	1261.9	1293.5	1341.0	1377.9	1362.1	1341.0	1298.8	1277.7
20°	1031.6	1033.4	1040.4	1058.0	1073.8	1124.8	1109.0	1077.3	1036.9	1021.1
22.5°	882.3	885.8	889.3	899.8	903.4	917.4	919.2	891.0	868.2	859.4
25°	776.8	776.8	782.1	790.9	794.4	783.8	785.6	773.3	752.2	741.7
27.5°	659.1	662.6	667.8	671.4	664.3	652.0	636.2	646.8	636.2	611.6
30°	587.0	590.5	606.3	595.8	580.0	564.2	555.4	569.4	571.2	550.1
32.5°	581.7	583.5	588.8	583.5	564.2	544.8	532.5	548.3	551.9	543.1
35°	608.1	602.8	609.8	613.4	594.0	572.9	557.1	571.2	581.7	585.2
37.5°	736.4	706.5	683.7	676.6	664.3	650.3	629.2	632.7	652.0	669.6
40°	701.2	694.2	685.4	662.6	639.7	657.3	632.7	625.7	669.6	673.1
42.5°	696.0	701.2	694.2	666.1	643.2	660.8	655.5	634.5	678.4	673.1
45°	699.5	704.8	720.6	673.1	653.8	662.6	673.1	650.3	694.2	676.6
47.5°	671.4	678.4	696.0	669.6	657.3	655.5	671.4	650.3	673.1	671.4
50°	634.5	641.5	646.8	623.9	646.8	634.5	636.2	627.4	627.4	630.9
52.5°	587.0	594.0	599.3	572.9	587.0	592.3	571.2	569.4	553.6	558.9
55°	529.0	539.5	544.8	534.3	527.2	537.8	507.9	504.4	472.8	474.5
57.5°	462.2	472.8	478.0	490.3	485.1	464.0	446.4	432.3	397.2	383.1
60°	476.3	486.8	476.3	441.1	441.1	393.7	377.9	348.0	312.8	295.3
62.5°	460.5	474.5	472.8	435.9	391.9	332.2	304.0	272.4	237.3	214.4
65°	434.1	448.2	441.1	416.5	374.3	284.7	242.5	210.9	167.0	161.7
67.5°	390.2	411.3	397.2	381.4	348.0	258.4	193.3	158.2	121.3	121.3
70°	323.4	339.2	348.0	330.4	311.1	242.5	165.2	121.3	87.9	66.8
72.5°	260.1	274.2	288.2	279.4	261.9	219.7	147.6	96.7	63.3	38.7
75°	144.1	149.4	154.7	175.7	200.4	179.3	135.3	84.4	52.7	29.9
77.5°	110.7	116.0	128.3	117.8	109.0	138.8	147.6	98.4	45.7	21.1
80°	86.1	93.1	131.8	109.0	93.1	105.4	126.5	86.1	29.9	10.5
82.5°	65.0	70.3	93.1	103.7	98.4	79.1	68.5	58.0	26.4	7.0
85°	47.5	54.5	65.0	58.0	56.2	56.2	75.6	51.0	19.3	5.3
87.5°	28.1	28.1	29.9	28.1	26.4	26.4	29.9	24.6	12.3	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
179113.0
175153.3
164408.0
142604.6
111693.8
79289.2
49403.1
26840.4
13961.5
8014.2
5228.5
2657.3
1732.9
1254.8
1003.5
848.9
732.9
613.4
543.1
537.8
585.2
685.4
678.4
669.6
671.4
667.8
618.6
550.1
462.2
374.3
281.2
210.9
161.7
107.2
59.8
36.9
26.4
10.5
7.0
5.3
3.5
3.5
0.0

OF REPORT)