

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: P635929

Luminaire Tested: **IFLD-S-SA2E-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635929
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (32) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9603.9 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): 156.2
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: 25 FT

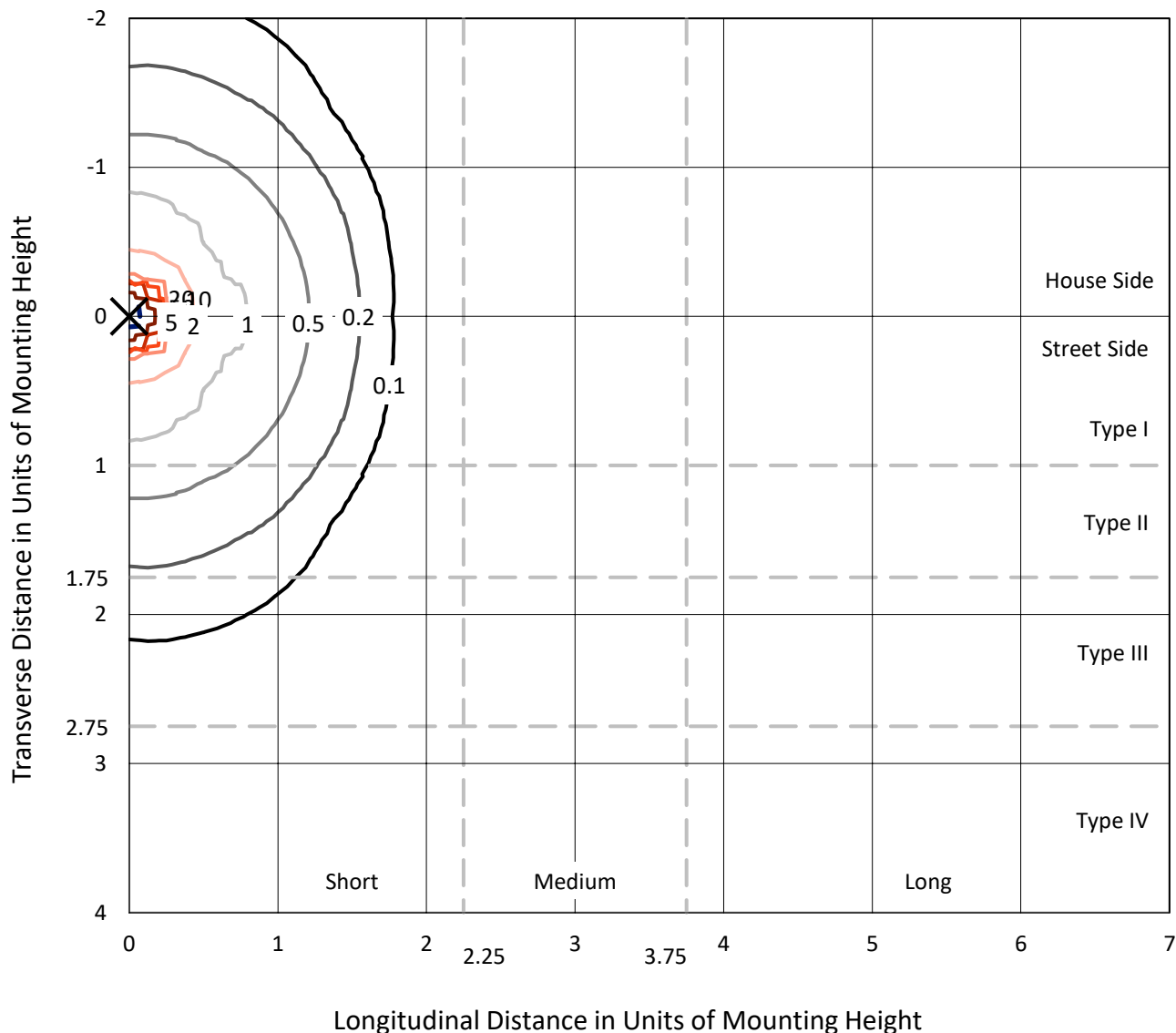


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

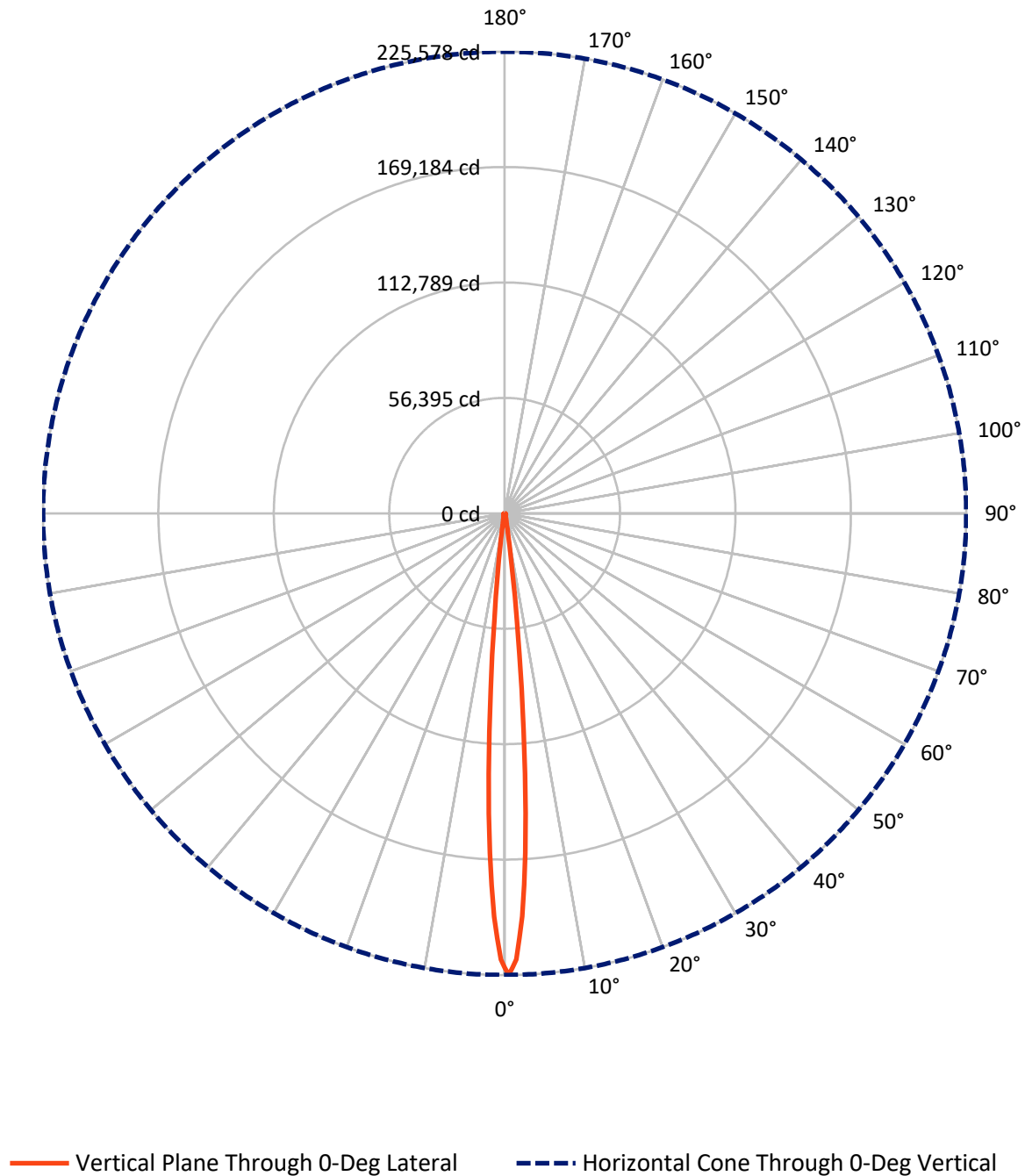
--- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 563.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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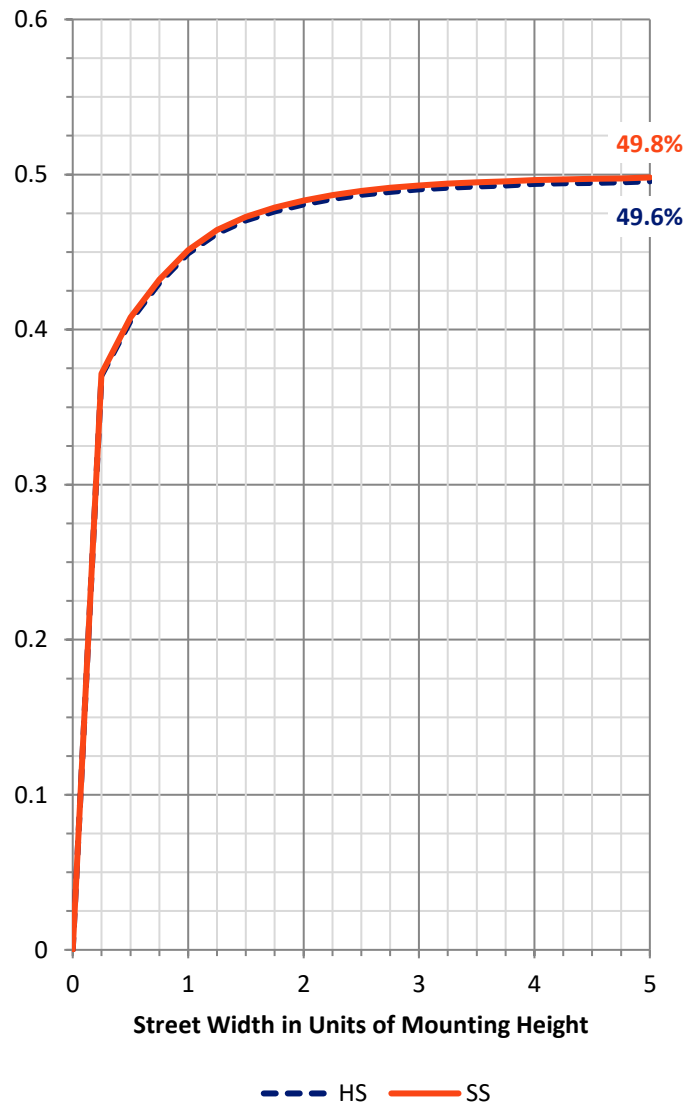
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4801.9	0.0	4801.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4801.9	0.0	4801.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	9603.9	0.0	9603.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6061.8	63.1
10°-20°	749.2	7.8
20°-30°	448.9	4.7
30°-40°	482.6	5.0
40°-50°	648.9	6.8
50°-60°	578.5	6.0
60°-70°	382.1	4.0
70°-80°	189.5	2.0
80°-90°	62.5	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°	9603.9	100.0
0°-180°	9603.9	100.0

Coefficient of Utilization



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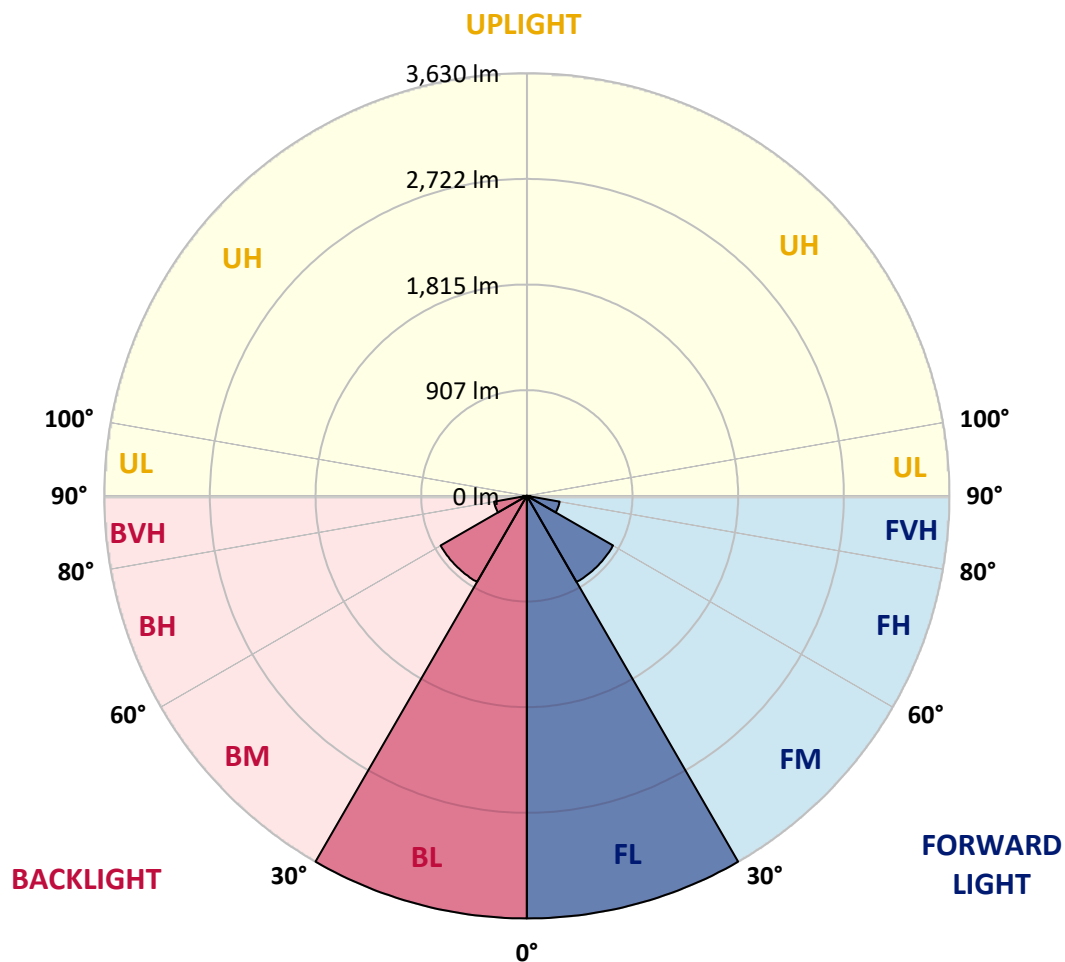
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3629.9	37.8			
FM	(30°-60°)	855.0	8.9			
FH	(60°-80°)	285.8	3.0			G0/660
FVH	(80°-90°)	31.3	0.3			G1/100
BL	(0°-30°)	3629.9	37.8	B4/5000		
BM	(30°-60°)	855.0	8.9	B1/1000		
BH	(60°-80°)	285.8	3.0	B1/500		G0/660
BVH	(80°-90°)	31.3	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°	225578.0	225578.0	225578.0	225578.0	225578.0	225578.0	225578.0	225578.0	225578.0	225578.0
1°	218017.0	215779.2	216930.2	218030.2	219573.0	220252.5	220945.3	221463.3	221454.4	222308.8
2°	197195.4	193589.7	195260.8	197310.5	201274.7	202412.4	204313.7	206666.6	206810.4	208939.8
3°	166212.0	161149.9	163611.2	167261.1	173832.8	175532.7	178580.5	180732.0	179771.4	182263.7
4°	127545.8	120941.0	124701.6	130104.5	136501.3	142991.0	143119.4	144662.2	141494.8	141342.1
5°	86050.9	80227.4	85052.7	91810.2	97337.1	101872.4	104665.8	104858.3	101434.2	101122.1
6°	52482.3	48628.7	52827.6	59979.1	67635.3	69521.2	69948.3	68978.9	64487.9	62002.2
7°	29006.8	27435.3	31539.0	35806.4	41776.0	44536.1	42625.9	39527.2	38152.6	35193.3
8°	15996.4	15221.7	16392.6	20080.1	24712.8	26525.6	24681.8	21463.5	19146.0	18327.1
9°	9643.8	9214.4	9692.5	11095.9	13096.8	14354.0	13298.2	11713.4	10735.1	10462.8
10°	6405.6	6237.4	6441.0	6914.7	7634.1	8001.5	7738.1	7109.5	6812.9	6795.2
12.5°	3362.2	3331.2	3382.1	3435.2	3559.2	3579.1	3532.6	3488.3	3419.7	3446.3
15°	2164.7	2135.9	2189.1	2257.7	2288.7	2308.6	2310.8	2286.5	2240.0	2217.8
17.5°	1578.2	1584.8	1589.2	1629.1	1688.8	1735.3	1715.4	1688.8	1635.7	1609.2
20°	1299.3	1301.5	1310.3	1332.5	1352.4	1416.6	1396.7	1356.8	1305.9	1286.0
22.5°	1111.1	1115.6	1120.0	1133.3	1137.7	1155.4	1157.6	1122.2	1093.4	1082.4
25°	978.3	978.3	985.0	996.0	1000.5	987.2	989.4	973.9	947.3	934.1
27.5°	830.0	834.5	841.1	845.5	836.7	821.2	801.3	814.5	801.3	770.3
30°	739.3	743.7	763.6	750.3	730.4	710.5	699.4	717.1	719.4	692.8
32.5°	732.6	734.9	741.5	734.9	710.5	686.2	670.7	690.6	695.0	683.9
35°	765.8	759.2	768.1	772.5	748.1	721.6	701.7	719.4	732.6	737.1
37.5°	927.4	889.8	861.0	852.2	836.7	819.0	792.4	796.8	821.2	843.3
40°	883.2	874.3	863.2	834.5	805.7	827.8	796.8	788.0	843.3	847.7
42.5°	876.5	883.2	874.3	838.9	810.1	832.2	825.6	799.0	854.4	847.7
45°	880.9	887.6	907.5	847.7	823.4	834.5	847.7	819.0	874.3	852.2
47.5°	845.5	854.4	876.5	843.3	827.8	825.6	845.5	819.0	847.7	845.5
50°	799.0	807.9	814.5	785.8	814.5	799.0	801.3	790.2	790.2	794.6
52.5°	739.3	748.1	754.8	721.6	739.3	745.9	719.4	717.1	697.2	703.9
55°	666.2	679.5	686.2	672.9	664.0	677.3	639.7	635.3	595.4	597.6
57.5°	582.1	595.4	602.0	617.5	610.9	584.3	562.2	544.5	500.2	482.5
60°	599.8	613.1	599.8	555.6	555.6	495.8	475.9	438.3	394.0	371.9
62.5°	579.9	597.6	595.4	548.9	493.6	418.3	382.9	343.1	298.8	270.0
65°	546.7	564.4	555.6	524.6	471.5	358.6	305.5	265.6	210.3	203.6
67.5°	491.4	517.9	500.2	480.3	438.3	325.4	243.5	199.2	152.7	152.7
70°	407.3	427.2	438.3	416.1	391.8	305.5	208.1	152.7	110.7	84.1
72.5°	327.6	345.3	363.0	351.9	329.8	276.7	185.9	121.7	79.7	48.7
75°	181.5	188.1	194.8	221.3	252.3	225.8	170.4	106.2	66.4	37.6
77.5°	139.4	146.1	161.6	148.3	137.2	174.9	185.9	124.0	57.5	26.6
80°	108.5	117.3	166.0	137.2	117.3	132.8	159.4	108.5	37.6	13.3
82.5°	81.9	88.5	117.3	130.6	124.0	99.6	86.3	73.0	33.2	8.9
85°	59.8	68.6	81.9	73.0	70.8	70.8	95.2	64.2	24.3	6.6
87.5°	35.4	35.4	37.6	35.4	33.2	33.2	37.6	31.0	15.5	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

225578.0

220591.2

207058.3

179598.7

140669.2

99858.2

62219.1

33803.3

17583.4

10093.2

6584.9

3346.7

2182.4

1580.4

1263.9

1069.1

923.0

772.5

683.9

677.3

737.1

863.2

854.4

843.3

845.5

841.1

779.1

692.8

582.1

471.5

354.1

265.6

203.6

135.0

75.3

46.5

33.2

13.3

8.9

6.6

4.4

4.4

0.0

OF REPORT)