

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: P635951

Luminaire Tested: **IFLD-L-SA8B-940-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635951
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-940-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21595.6 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

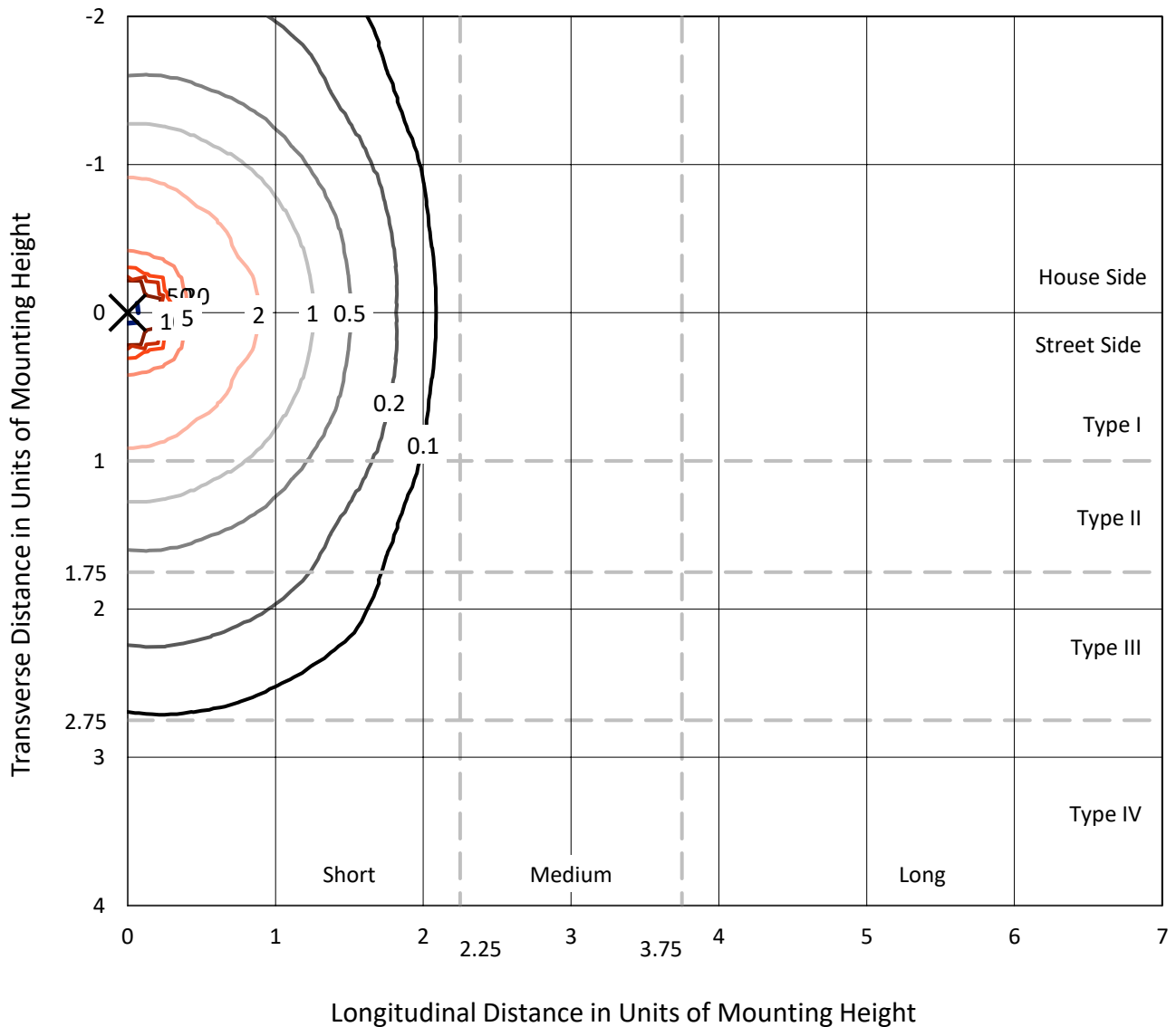
Input Watts (W): 320
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P635951
 CATALOG NUMBER: IFLD-L-SA8B-940-U-11-VI

Iso-Footcandle Lines of Horizontal Illumination

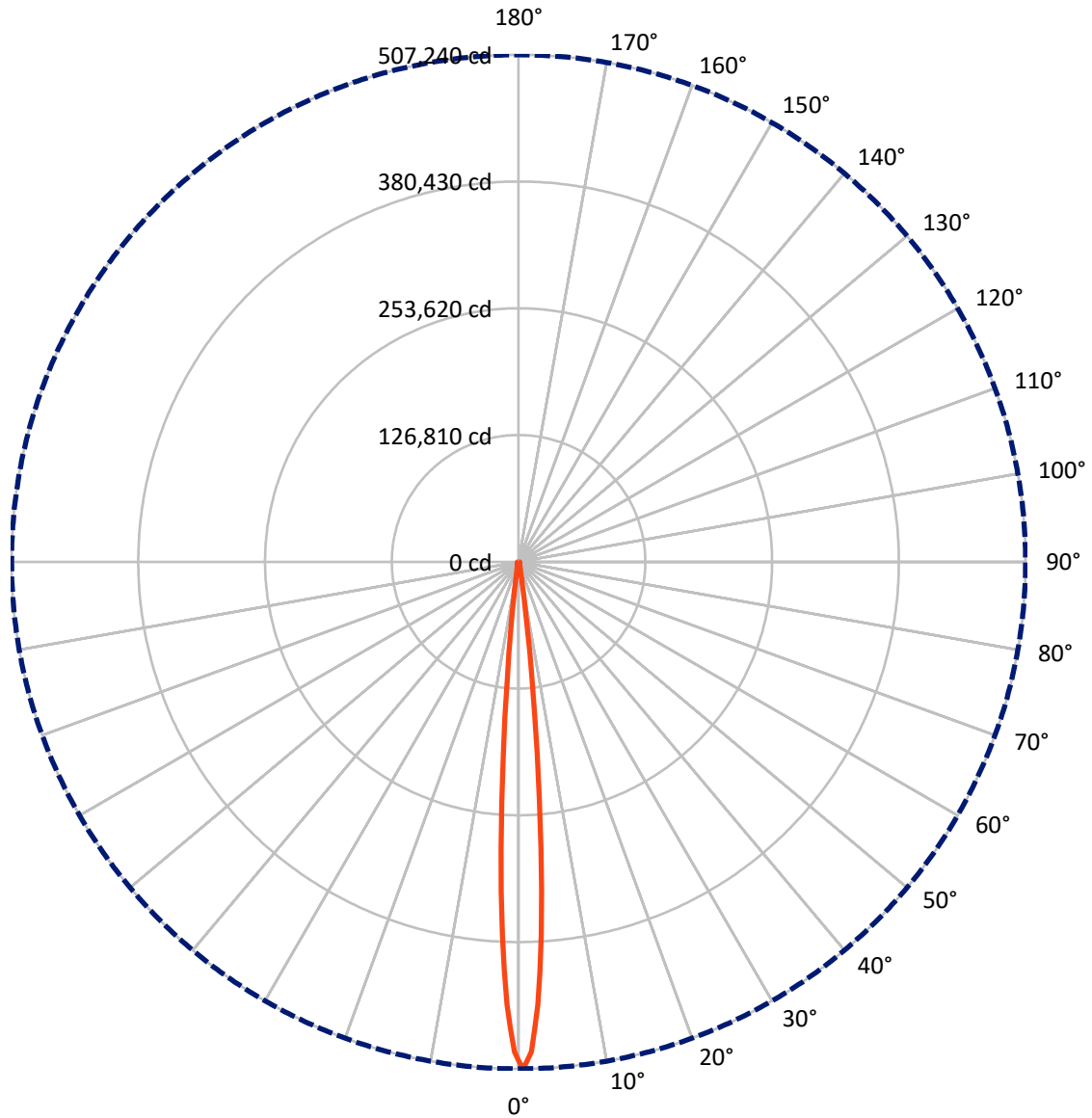
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1268.1 fc
 Type V - Short - N/A

REPORT NUMBER: P635951
CATALOG NUMBER: IFLD-L-SA8B-940-U-11-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

REPORT NUMBER: P635951
 CATALOG NUMBER: IFLD-L-SA8B-940-U-11-VI

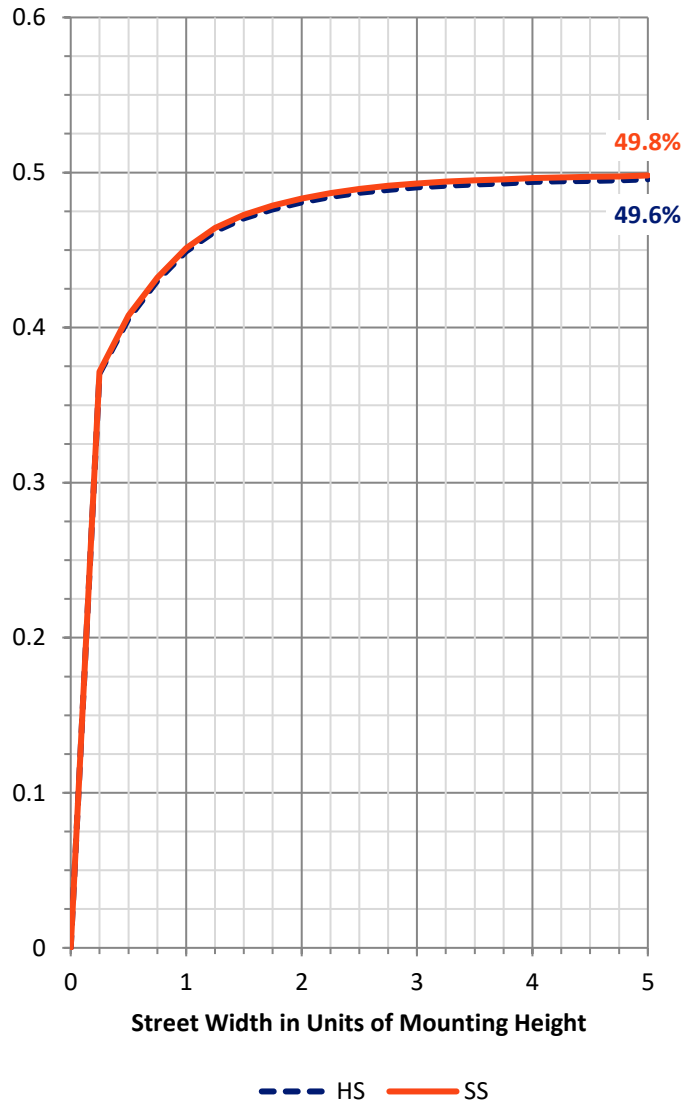
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10797.8	0.0	10797.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10797.8	0.0	10797.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	21595.6	0.0	21595.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13630.6	63.1
10°-20°	1684.6	7.8
20°-30°	1009.3	4.7
30°-40°	1085.2	5.0
40°-50°	1459.2	6.8
50°-60°	1300.8	6.0
60°-70°	859.2	4.0
70°-80°	426.0	2.0
80°-90°	140.6	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°	21595.6	100.0
0°-180°	21595.6	100.0

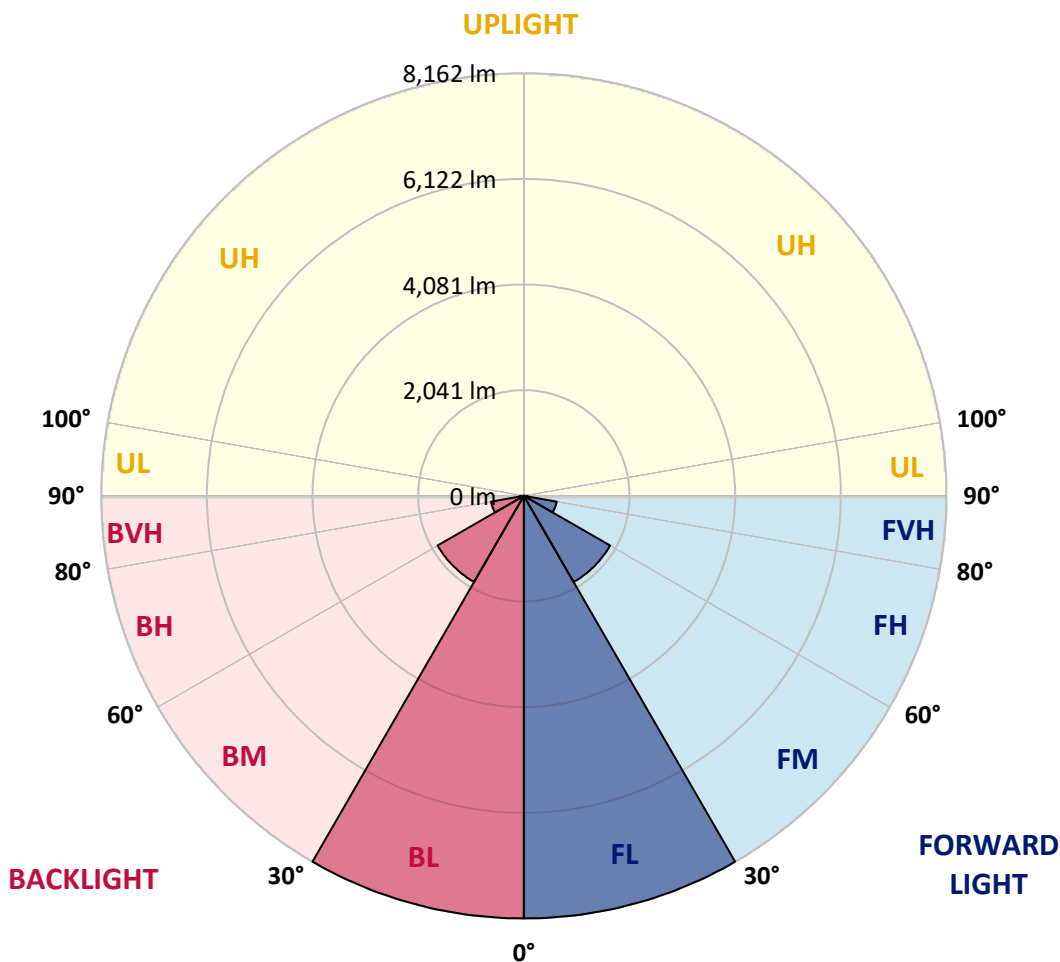


REPORT NUMBER: P635951
 CATALOG NUMBER: IFLD-L-SA8B-940-U-11-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8162.2	37.8			
FM (30°-60°)	1922.6	8.9			
FH (60°-80°)	642.6	3.0			G0/660
FVH (80°-90°)	70.3	0.3			G1/100
BL (0°-30°)	8162.2	37.8	B5		
BM (30°-60°)	1922.6	8.9	B2/2500		
BH (60°-80°)	642.6	3.0	B2/1000		G0/660
BVH (80°-90°)	70.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





REPORT NUMBER: P635951
 CATALOG NUMBER: IFLD-L-SA8B-940-U-11-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	507240.3	507240.3	507240.3	507240.3	507240.3	507240.3	507240.3	507240.3	507240.3	507240.3
1°	490238.3	485206.5	487794.6	490268.2	493737.3	495265.3	496823.1	497987.8	497967.8	499889.0
2°	443418.4	435310.6	439068.4	443677.2	452591.3	455149.5	459424.9	464715.6	465039.1	469827.1
3°	373748.4	362365.7	367900.2	376107.5	390884.7	394707.1	401560.6	406398.4	404238.3	409842.6
4°	286802.7	271950.9	280407.1	292556.3	306940.2	321533.2	321821.9	325290.9	318168.7	317825.2
5°	193496.3	180401.4	191251.6	206446.8	218874.7	229072.9	235354.0	235787.0	228087.4	227385.6
6°	118013.0	109347.8	118789.4	134870.5	152086.5	156327.0	157287.6	155107.6	145009.0	139419.6
7°	65225.4	61691.7	70919.3	80515.2	93938.5	100145.0	95849.8	88881.8	85791.0	79136.5
8°	35969.8	34227.8	36860.7	45152.6	55569.8	59646.0	55500.1	48263.3	43052.3	41210.7
9°	21685.4	20719.8	21794.9	24950.4	29449.7	32276.8	29902.7	26339.0	24139.1	23526.9
10°	14403.8	14025.6	14483.5	15548.6	17166.2	17992.4	17400.1	15986.6	15319.6	15279.8
12.5°	7560.3	7490.6	7605.1	7724.5	8003.2	8048.0	7943.5	7844.0	7689.7	7749.4
15°	4867.6	4802.9	4922.4	5076.7	5146.4	5191.2	5196.1	5141.4	5036.9	4987.1
17.5°	3548.7	3563.6	3573.6	3663.2	3797.6	3902.1	3857.3	3797.6	3678.1	3618.4
20°	2921.6	2926.6	2946.5	2996.2	3041.0	3185.4	3140.6	3051.0	2936.5	2891.7
22.5°	2498.5	2508.5	2518.4	2548.3	2558.3	2598.1	2603.0	2523.4	2458.7	2433.8
25°	2199.9	2199.9	2214.8	2239.7	2249.7	2219.8	2224.8	2189.9	2130.2	2100.4
27.5°	1866.4	1876.4	1891.3	1901.3	1881.4	1846.5	1801.7	1831.6	1801.7	1732.0
30°	1662.4	1672.3	1717.1	1687.3	1642.5	1597.7	1572.8	1612.6	1617.6	1557.8
32.5°	1647.4	1652.4	1667.3	1652.4	1597.7	1542.9	1508.1	1552.9	1562.8	1537.9
35°	1722.1	1707.2	1727.1	1737.0	1682.3	1622.5	1577.8	1617.6	1647.4	1657.4
37.5°	2085.4	2000.8	1936.1	1916.2	1881.4	1841.5	1781.8	1791.8	1846.5	1896.3
40°	1985.9	1966.0	1941.1	1876.4	1811.7	1861.5	1791.8	1771.9	1896.3	1906.2
42.5°	1970.9	1985.9	1966.0	1886.3	1821.6	1871.4	1856.5	1796.7	1921.2	1906.2
45°	1980.9	1995.8	2040.6	1906.2	1851.5	1876.4	1906.2	1841.5	1966.0	1916.2
47.5°	1901.3	1921.2	1970.9	1896.3	1861.5	1856.5	1901.3	1841.5	1906.2	1901.3
50°	1796.7	1816.7	1831.6	1766.9	1831.6	1796.7	1801.7	1776.8	1776.8	1786.8
52.5°	1662.4	1682.3	1697.2	1622.5	1662.4	1677.3	1617.6	1612.6	1567.8	1582.7
55°	1498.1	1528.0	1542.9	1513.1	1493.1	1523.0	1438.4	1428.4	1338.9	1343.8
57.5°	1309.0	1338.9	1353.8	1388.6	1373.7	1314.0	1264.2	1224.4	1124.8	1085.0
60°	1348.8	1378.7	1348.8	1249.3	1249.3	1114.9	1070.1	985.5	885.9	836.2
62.5°	1304.0	1343.8	1338.9	1234.3	1109.9	940.7	861.0	771.5	671.9	607.2
65°	1229.4	1269.2	1249.3	1179.6	1060.1	806.3	686.8	597.3	472.8	457.9
67.5°	1104.9	1164.7	1124.8	1080.0	985.5	731.6	547.5	447.9	343.4	343.4
70°	915.8	960.6	985.5	935.7	881.0	686.8	467.9	343.4	248.9	189.1
72.5°	736.6	776.4	816.3	791.4	741.6	622.1	418.1	273.7	179.2	109.5
75°	408.1	423.1	438.0	497.7	567.4	507.7	383.2	238.9	149.3	84.6
77.5°	313.6	328.5	363.3	333.5	308.6	393.2	418.1	278.7	129.4	59.7
80°	243.9	263.8	373.3	308.6	263.8	298.6	358.4	243.9	84.6	29.9
82.5°	184.2	199.1	263.8	293.7	278.7	224.0	194.1	164.2	74.7	19.9
85°	134.4	154.3	184.2	164.2	159.3	159.3	214.0	144.3	54.7	14.9
87.5°	79.6	79.6	84.6	79.6	74.7	74.7	84.6	69.7	34.8	10.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
507240.3
496026.8
465596.5
403850.1
316312.2
224543.7
139907.4
76010.9
39538.4
22695.8
14807.0
7525.4
4907.5
3553.7
2841.9
2404.0
2075.5
1737.0
1537.9
1523.0
1657.4
1941.1
1921.2
1896.3
1901.3
1891.3
1752.0
1557.8
1309.0
1060.1
796.3
597.3
457.9
303.6
169.2
104.5
74.7
29.9
19.9
14.9
10.0
10.0
0.0

OF REPORT)