

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: P636298

Luminaire Tested: **IFLD-L-SA8A-927-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636298  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8A-927-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (128) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20275.7 lumens  
Efficiency: N/A  
Efficacy: 81.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

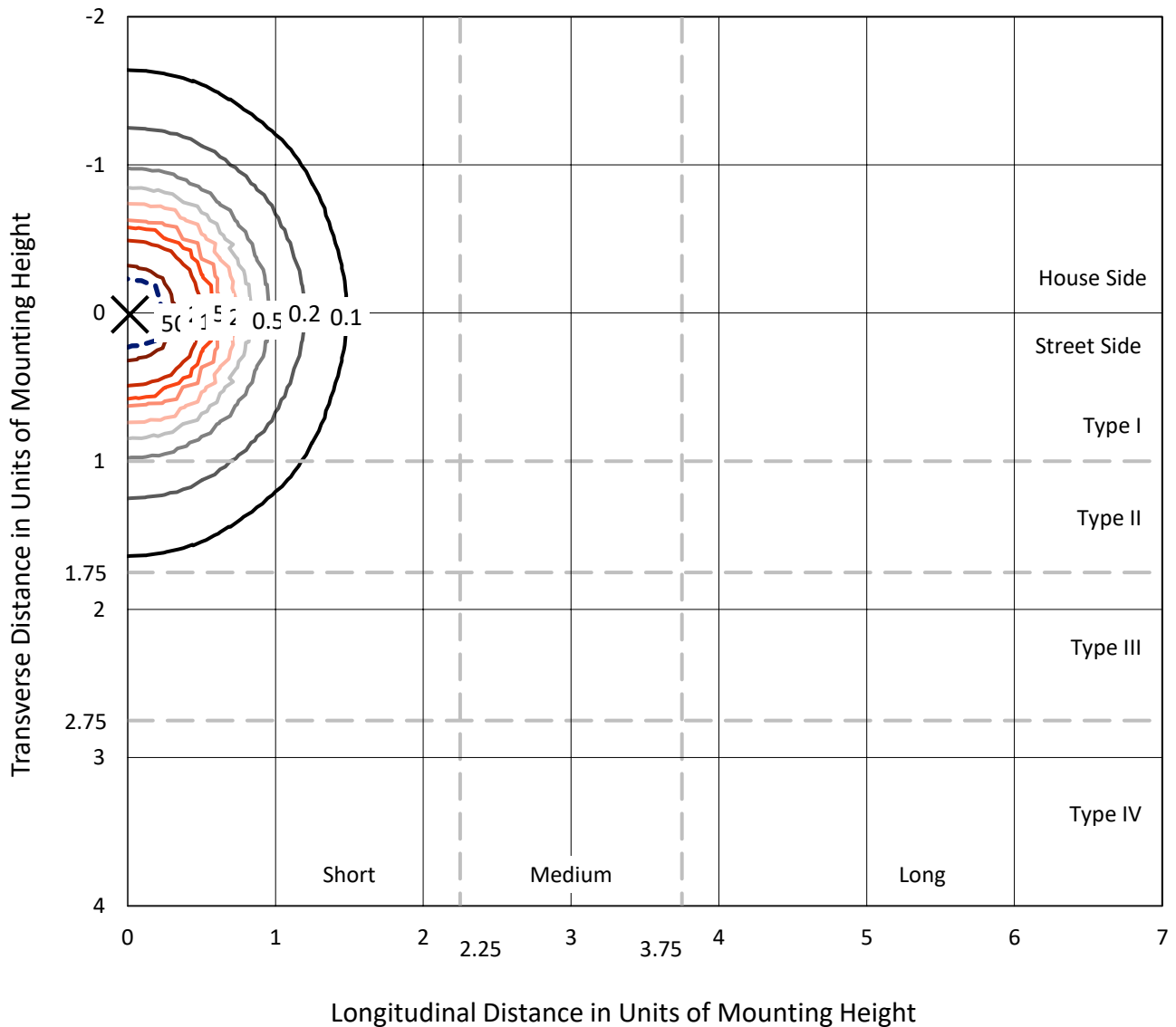
Input Watts (W): 247.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P636298  
 CATALOG NUMBER: IFLD-L-SA8A-927-U-44-VI

### Iso-Footcandle Lines of Horizontal Illumination

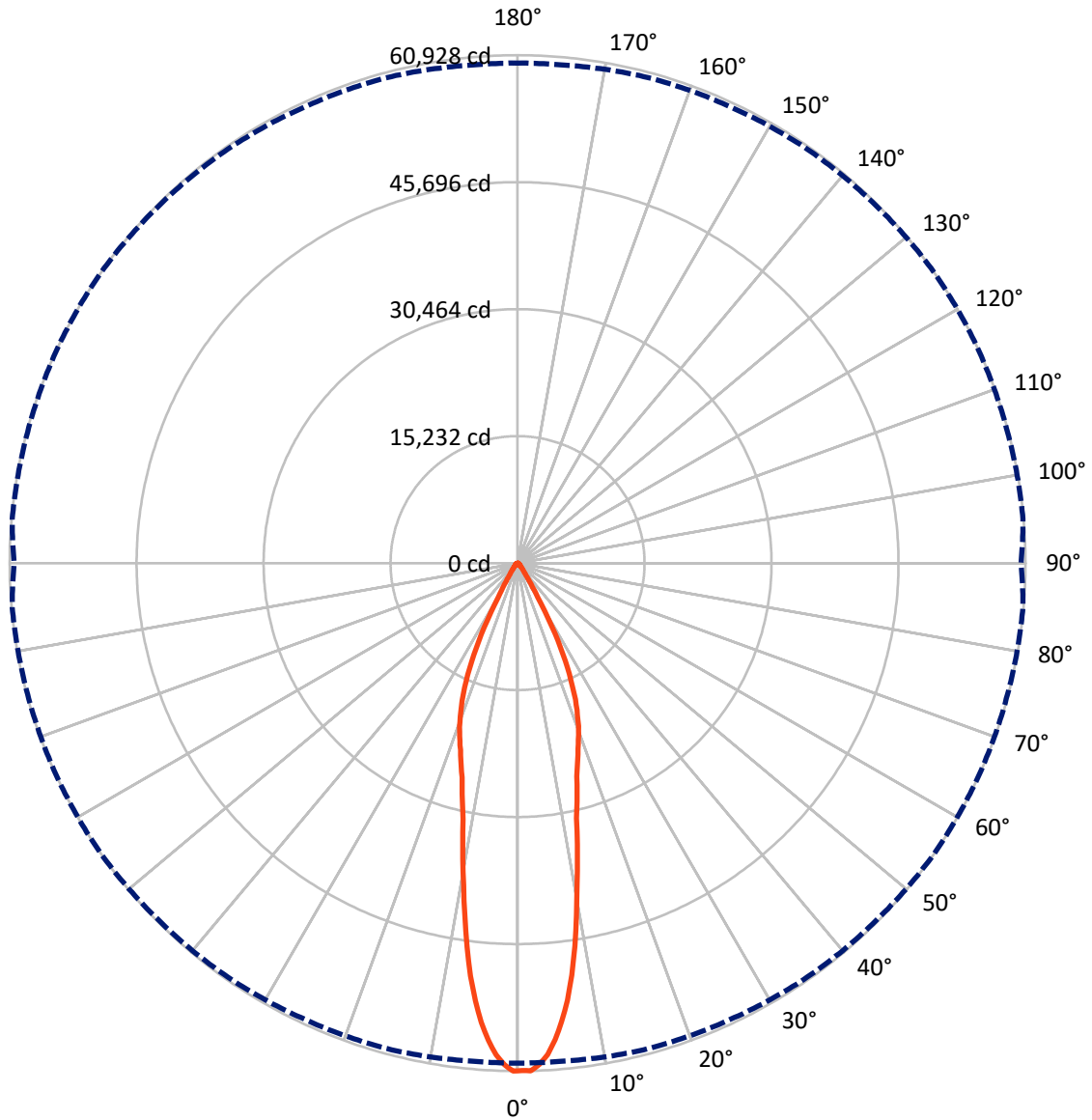
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 152.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P636298  
CATALOG NUMBER: IFLD-L-SA8A-927-U-44-VI

### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 1-Deg Vertical

REPORT NUMBER: P636298  
 CATALOG NUMBER: IFLD-L-SA8A-927-U-44-VI

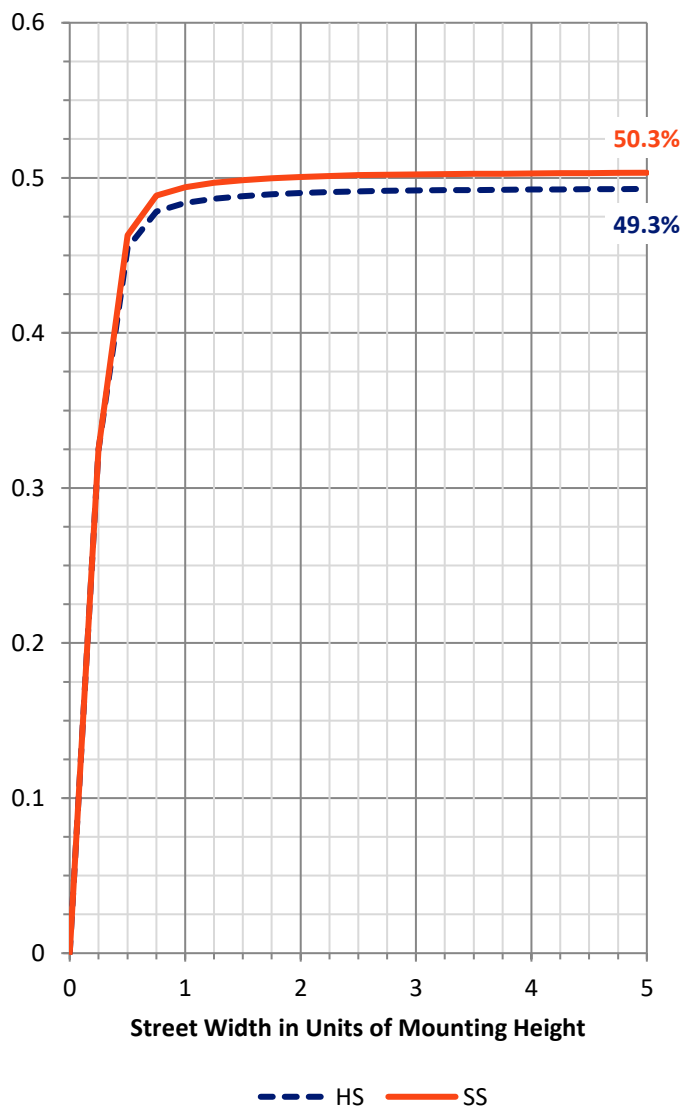
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10137.9	0.0	10137.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10137.9	0.0	10137.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20275.7	0.0	20275.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4630.4	22.8
10°-20°	7562.7	37.3
20°-30°	5909.7	29.1
30°-40°	1288.1	6.4
40°-50°	381.4	1.9
50°-60°	238.5	1.2
60°-70°	166.8	0.8
70°-80°	71.6	0.4
80°-90°	26.5	0.1
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°	20275.7	100.0
0°-180°	20275.7	100.0



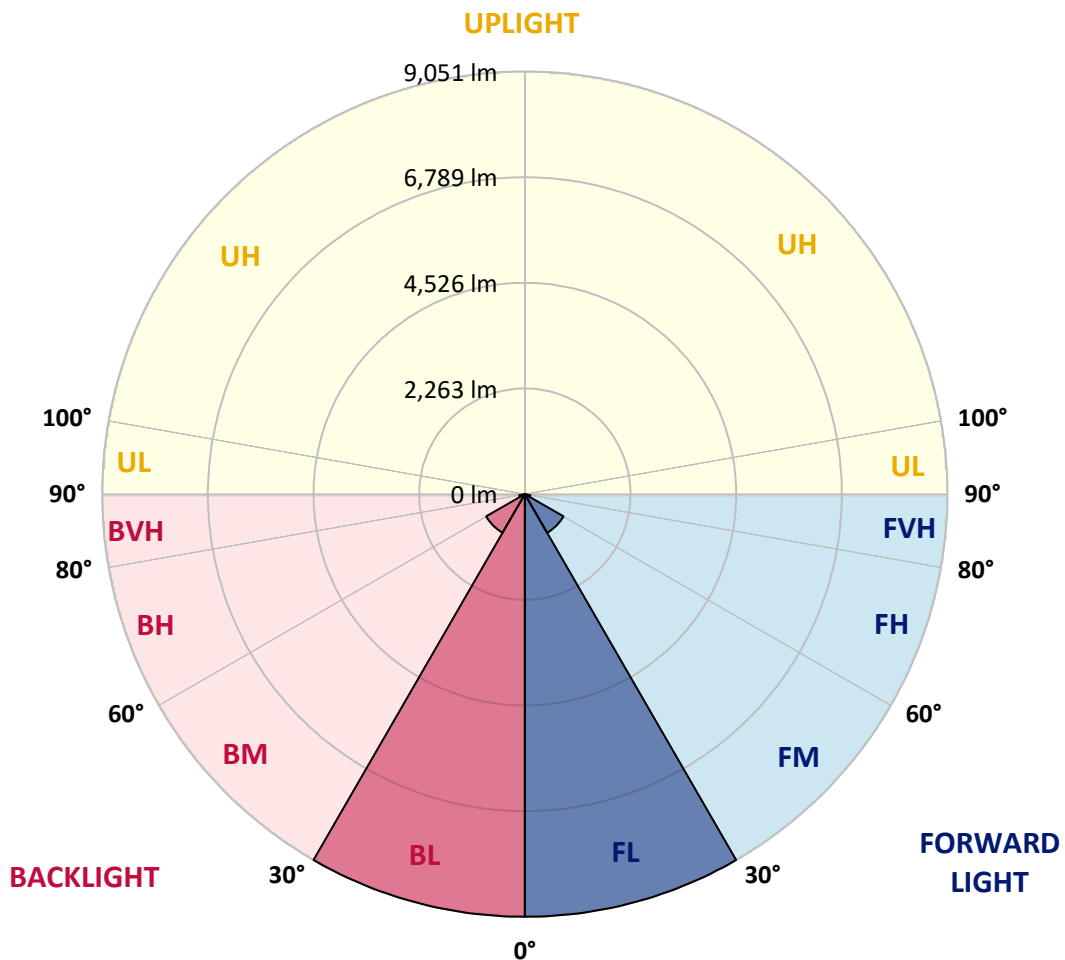
REPORT NUMBER: P636298  
 CATALOG NUMBER: IFLD-L-SA8A-927-U-44-VI

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9051.4	44.6			
FM (30°-60°)	954.0	4.7			
FH (60°-80°)	119.2	0.6			G0/660
FVH (80°-90°)	13.2	0.1			G1/100
BL (0°-30°)	9051.4	44.6	B5		
BM (30°-60°)	954.0	4.7	B1/1000		
BH (60°-80°)	119.2	0.6	B1/500		G0/660
BVH (80°-90°)	13.2	0.1			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: P636298  
 CATALOG NUMBER: IFLD-L-SA8A-927-U-44-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	60857.8	60857.8	60857.8	60857.8	60857.8	60857.8	60857.8	60857.8	60857.8	60857.8
1°	59976.9	59984.2	60310.9	60384.3	60608.2	60722.0	60927.6	60905.6	60843.2	60850.5
2°	58872.1	58824.3	59129.0	59466.7	59734.6	59954.9	60200.8	60252.2	60193.5	60248.5
3°	57055.1	56985.4	57411.2	57833.3	58299.5	58677.5	59048.3	59062.9	58993.2	58989.5
4°	54665.6	54537.1	55043.7	55796.1	56383.4	56886.3	57348.8	57341.4	57246.0	57323.1
5°	51776.9	51615.4	52272.4	53263.5	54133.4	54739.0	55249.2	55128.1	54907.9	54918.9
6°	48231.1	48389.0	49192.8	50583.9	51611.7	52114.6	52742.2	52514.7	52132.9	52092.5
7°	44898.3	45254.3	45896.6	47574.1	48796.4	49324.9	49857.2	49398.4	48880.8	48796.4
8°	41389.2	41983.8	42872.1	44417.4	45720.5	46252.7	46454.6	45962.7	45408.5	45386.4
9°	38544.5	38952.0	39715.4	41077.2	42402.3	42758.3	42802.4	42372.9	41818.7	41855.4
10°	35956.8	36033.9	36694.6	37865.5	38926.3	39179.5	39168.5	38856.5	38401.4	38522.5
12.5°	30164.6	30373.9	30564.7	30939.1	31295.2	31460.3	31397.9	31269.5	31019.9	31030.9
15°	26233.5	26229.8	26251.8	26424.3	26530.8	26549.1	26549.1	26387.6	26281.2	26439.0
17.5°	22764.8	22955.7	23297.0	23436.5	23576.0	23524.6	23429.2	23355.8	23286.0	23421.8
20°	20066.9	20151.4	20155.0	20246.8	20951.5	20988.2	20867.1	20657.9	20481.7	20448.7
22.5°	17031.4	17159.9	17214.9	17295.7	17369.1	17905.0	17761.8	17424.1	17214.9	17152.5
25°	12784.6	12740.5	13100.2	13760.9	13867.4	13933.4	13896.7	13720.5	13584.7	13610.4
27.5°	8835.0	8912.1	8897.4	8904.8	9605.8	9602.2	9591.2	9437.0	9396.6	9337.9
30°	4940.6	4903.9	4922.2	4874.5	4775.4	4896.5	4702.0	4867.2	4705.7	4757.0
32.5°	2921.8	2896.1	2870.4	2881.4	2808.0	2628.1	2551.0	2664.8	2628.1	2613.4
35°	1864.6	1875.7	1908.7	1905.0	1838.9	1736.2	1626.1	1728.8	1714.2	1670.1
37.5°	1189.3	1189.3	1200.3	1295.7	1240.6	1152.6	1075.5	1119.5	1115.8	1108.5
40°	844.2	844.2	858.9	884.6	855.2	811.2	767.1	767.1	774.5	752.5
42.5°	627.7	627.7	642.3	657.0	620.3	605.6	583.6	568.9	587.3	568.9
45°	491.9	488.2	491.9	484.5	462.5	462.5	444.1	422.1	444.1	433.1
47.5°	403.8	400.1	396.4	381.7	359.7	363.4	356.0	337.7	348.7	345.0
50°	352.4	345.0	348.7	334.0	315.7	312.0	312.0	293.6	297.3	297.3
52.5°	308.3	308.3	304.7	297.3	290.0	275.3	279.0	260.6	260.6	260.6
55°	290.0	290.0	282.6	268.0	271.6	260.6	249.6	238.6	234.9	234.9
57.5°	286.3	286.3	282.6	268.0	256.9	253.3	238.6	223.9	212.9	216.6
60°	279.0	279.0	271.6	268.0	249.6	242.3	220.2	209.2	194.5	194.5
62.5°	268.0	264.3	249.6	227.6	227.6	209.2	194.5	172.5	161.5	157.8
65°	227.6	223.9	212.9	194.5	183.5	172.5	150.5	128.5	121.1	110.1
67.5°	187.2	187.2	179.9	161.5	154.2	139.5	113.8	99.1	80.8	73.4
70°	154.2	154.2	146.8	135.8	128.5	110.1	88.1	73.4	55.1	47.7
72.5°	124.8	124.8	117.5	110.1	102.8	91.8	73.4	55.1	36.7	29.4
75°	99.1	99.1	95.4	88.1	80.8	73.4	58.7	44.0	25.7	14.7
77.5°	80.8	80.8	77.1	73.4	66.1	58.7	47.7	36.7	18.4	7.3
80°	62.4	62.4	62.4	62.4	55.1	47.7	40.4	29.4	14.7	3.7
82.5°	44.0	44.0	47.7	55.1	44.0	36.7	36.7	29.4	11.0	3.7
85°	29.4	33.0	36.7	33.0	29.4	29.4	51.4	47.7	11.0	3.7
87.5°	14.7	14.7	14.7	14.7	14.7	11.0	14.7	11.0	7.3	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
60857.8  
*60399.0*  
59815.4  
58670.2  
56959.7  
54383.0  
51556.6  
48396.3  
44582.6  
41308.4  
38096.7  
30667.5  
26072.0  
23109.8  
20235.8  
16928.6  
13522.3  
9125.0  
4819.4  
2576.7  
1622.4  
1093.8  
745.1  
565.3  
433.1  
345.0  
301.0  
260.6  
231.2  
216.6  
183.5  
150.5  
106.4  
69.7  
44.0  
25.7  
11.0  
7.3  
3.7  
3.7  
3.7  
0.0  
0.0

OF REPORT)