

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: P636275

Luminaire Tested: **IFLD-S-SA2C-927-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636275  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-927-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (32) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8412.7 lumens  
Efficiency: N/A  
Efficacy: 77.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

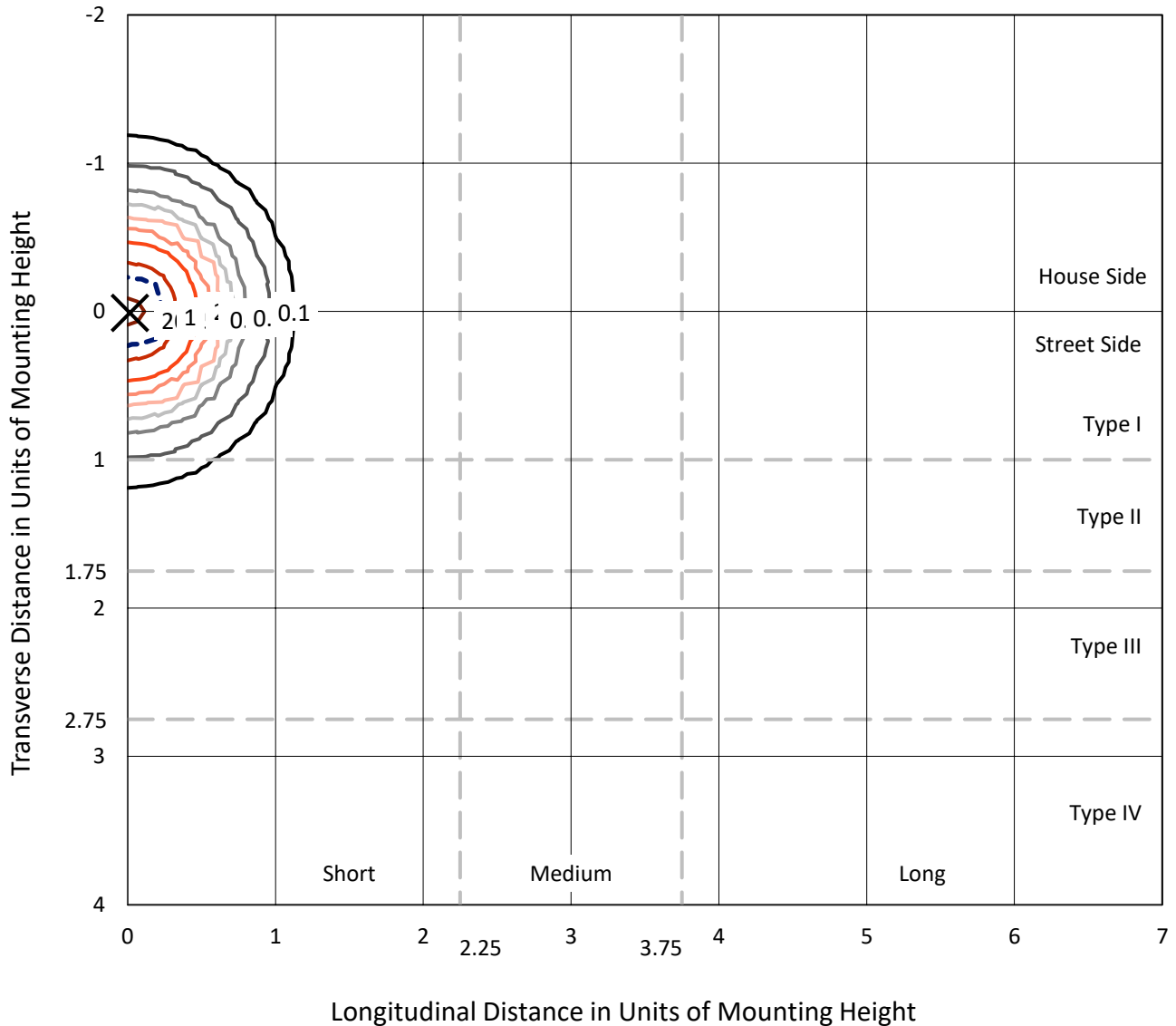
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P636275  
 CATALOG NUMBER: IFLD-S-SA2C-927-U-44-VI

### Iso-Footcandle Lines of Horizontal Illumination

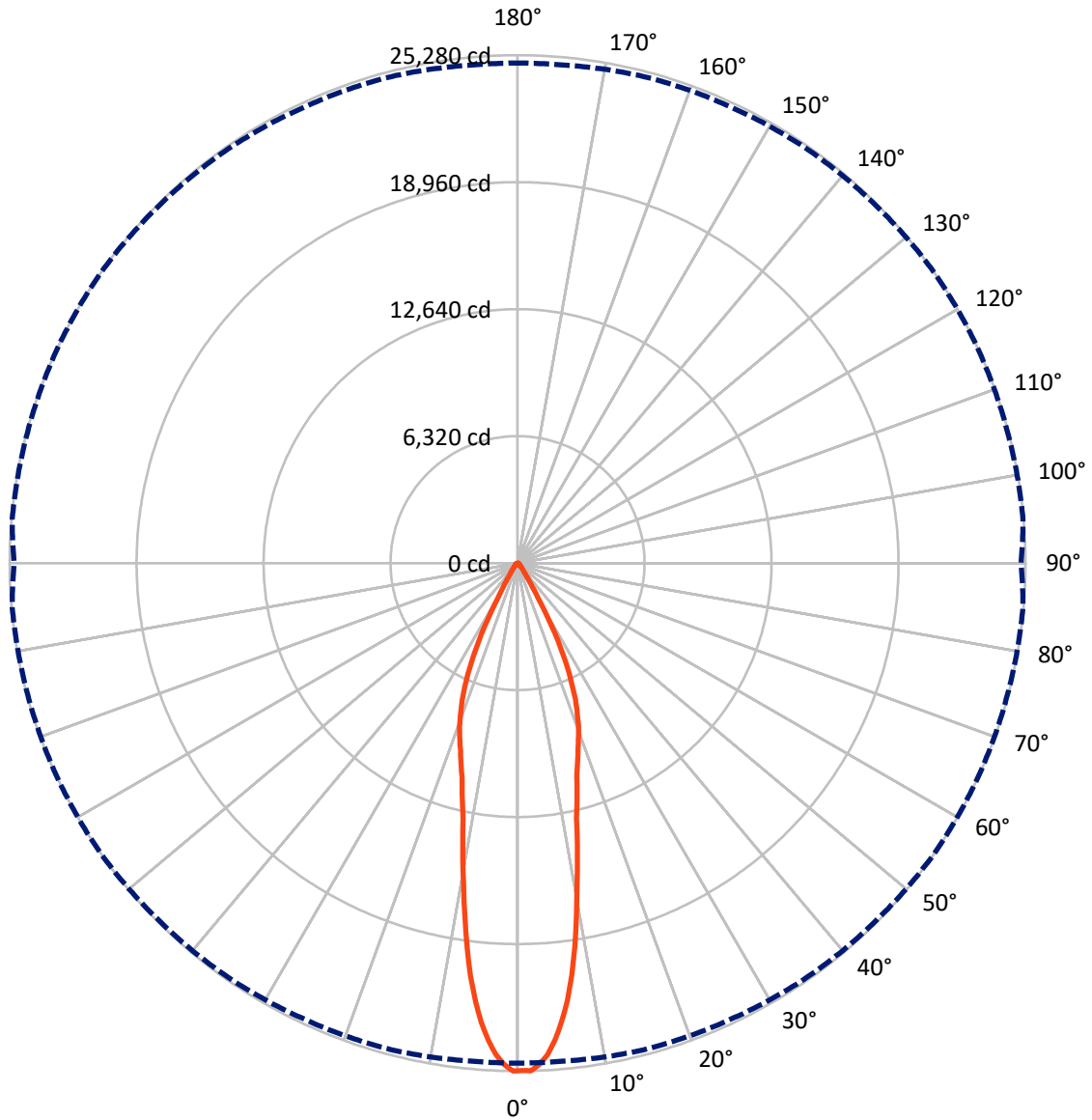
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 63.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P636275  
CATALOG NUMBER: IFLD-S-SA2C-927-U-44-VI

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P636275  
 CATALOG NUMBER: IFLD-S-SA2C-927-U-44-VI

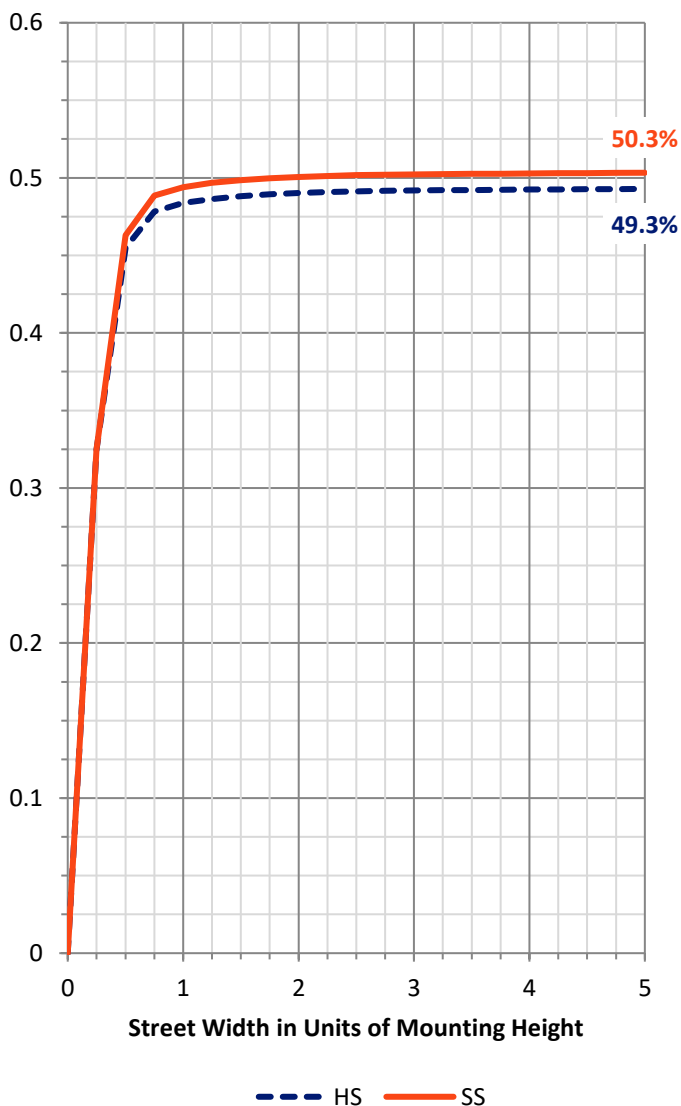
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4206.4	0.0	4206.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4206.4	0.0	4206.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8412.7	0.0	8412.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1921.2	22.8
10°-20°	3137.9	37.3
20°-30°	2452.0	29.1
30°-40°	534.5	6.4
40°-50°	158.3	1.9
50°-60°	99.0	1.2
60°-70°	69.2	0.8
70°-80°	29.7	0.4
80°-90°	11.0	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°	8412.7	100.0
0°-180°	8412.7	100.0



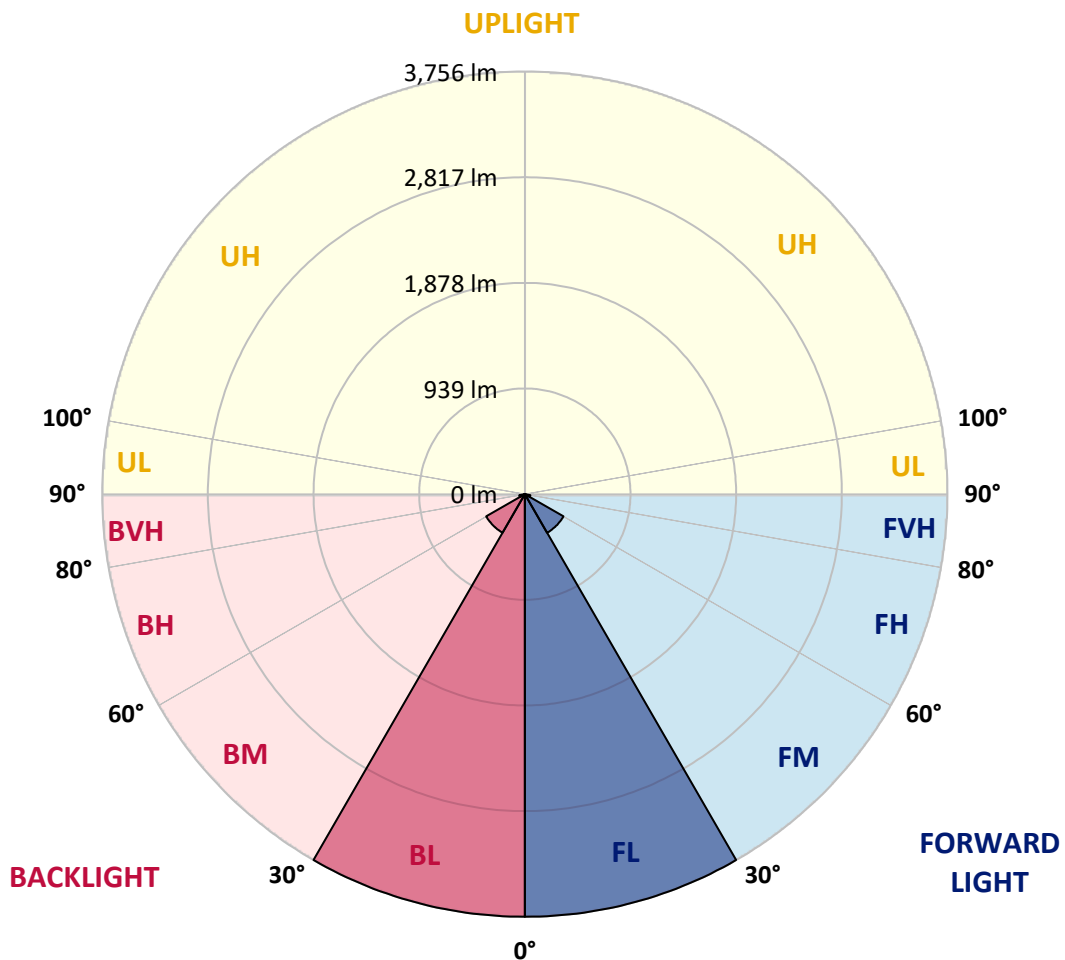
REPORT NUMBER: P636275  
 CATALOG NUMBER: IFLD-S-SA2C-927-U-44-VI

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3755.6	44.6			
FM (30°-60°)	395.8	4.7			
FH (60°-80°)	49.5	0.6			G0/660
FVH (80°-90°)	5.5	0.1			G0/10
BL (0°-30°)	3755.6	44.6	B4/5000		
BM (30°-60°)	395.8	4.7	B1/1000		
BH (60°-80°)	49.5	0.6	B0/110		G0/660
BVH (80°-90°)	5.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**

Type V Short





REPORT NUMBER: P636275  
 CATALOG NUMBER: IFLD-S-SA2C-927-U-44-VI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	25250.8	25250.8	25250.8	25250.8	25250.8	25250.8	25250.8	25250.8	25250.8	25250.8
1°	24885.3	24888.3	25023.9	25054.3	25147.2	25194.4	25279.7	25270.6	25244.7	25247.7
2°	24426.9	24407.1	24533.5	24673.6	24784.8	24876.1	24978.2	24999.5	24975.1	24998.0
3°	23673.0	23644.1	23820.7	23995.9	24189.3	24346.1	24500.0	24506.1	24477.1	24475.6
4°	22681.5	22628.2	22838.4	23150.6	23394.3	23602.9	23794.8	23791.8	23752.2	23784.2
5°	21483.0	21416.0	21688.6	22099.8	22460.7	22712.0	22923.7	22873.4	22782.1	22786.6
6°	20011.8	20077.3	20410.8	20988.0	21414.4	21623.1	21883.5	21789.1	21630.7	21613.9
7°	18628.9	18776.7	19043.2	19739.2	20246.3	20465.6	20686.5	20496.1	20281.3	20246.3
8°	17173.0	17419.7	17788.2	18429.4	18970.1	19190.9	19274.7	19070.6	18840.6	18831.5
9°	15992.7	16161.7	16478.5	17043.5	17593.3	17741.0	17759.3	17581.1	17351.2	17366.4
10°	14919.0	14951.0	15225.1	15710.9	16151.1	16256.1	16251.6	16122.1	15933.3	15983.5
12.5°	12515.7	12602.5	12681.7	12837.1	12984.8	13053.3	13027.5	12974.2	12870.6	12875.2
15°	10884.6	10883.1	10892.3	10963.8	11008.0	11015.6	11015.6	10948.6	10904.4	10969.9
17.5°	9445.4	9524.6	9666.3	9724.1	9782.0	9760.7	9721.1	9690.6	9661.7	9718.0
20°	8326.1	8361.1	8362.6	8400.7	8693.1	8708.3	8658.1	8571.3	8498.2	8484.4
22.5°	7066.6	7119.9	7142.7	7176.2	7206.7	7429.0	7369.6	7229.5	7142.7	7116.8
25°	5304.5	5286.2	5435.5	5709.6	5753.8	5781.2	5766.0	5692.8	5636.5	5647.2
27.5°	3665.8	3697.8	3691.7	3694.7	3985.6	3984.1	3979.5	3915.5	3898.8	3874.4
30°	2049.9	2034.7	2042.3	2022.5	1981.4	2031.6	1950.9	2019.5	1952.4	1973.8
32.5°	1212.3	1201.6	1191.0	1195.5	1165.1	1090.4	1058.5	1105.7	1090.4	1084.4
35°	773.7	778.2	791.9	790.4	763.0	720.4	674.7	717.3	711.2	692.9
37.5°	493.4	493.4	498.0	537.6	514.8	478.2	446.2	464.5	463.0	459.9
40°	350.3	350.3	356.4	367.0	354.9	336.6	318.3	318.3	321.3	312.2
42.5°	260.4	260.4	266.5	272.6	257.4	251.3	242.2	236.1	243.7	236.1
45°	204.1	202.6	204.1	201.0	191.9	191.9	184.3	175.1	184.3	179.7
47.5°	167.5	166.0	164.5	158.4	149.3	150.8	147.7	140.1	144.7	143.2
50°	146.2	143.2	144.7	138.6	131.0	129.5	129.5	121.8	123.4	123.4
52.5°	127.9	127.9	126.4	123.4	120.3	114.2	115.7	108.1	108.1	108.1
55°	120.3	120.3	117.3	111.2	112.7	108.1	103.6	99.0	97.5	97.5
57.5°	118.8	118.8	117.3	111.2	106.6	105.1	99.0	92.9	88.3	89.9
60°	115.7	115.7	112.7	111.2	103.6	100.5	91.4	86.8	80.7	80.7
62.5°	111.2	109.7	103.6	94.4	94.4	86.8	80.7	71.6	67.0	65.5
65°	94.4	92.9	88.3	80.7	76.1	71.6	62.4	53.3	50.3	45.7
67.5°	77.7	77.7	74.6	67.0	64.0	57.9	47.2	41.1	33.5	30.5
70°	64.0	64.0	60.9	56.3	53.3	45.7	36.6	30.5	22.8	19.8
72.5°	51.8	51.8	48.7	45.7	42.6	38.1	30.5	22.8	15.2	12.2
75°	41.1	41.1	39.6	36.6	33.5	30.5	24.4	18.3	10.7	6.1
77.5°	33.5	33.5	32.0	30.5	27.4	24.4	19.8	15.2	7.6	3.0
80°	25.9	25.9	25.9	25.9	22.8	19.8	16.8	12.2	6.1	1.5
82.5°	18.3	18.3	19.8	22.8	18.3	15.2	15.2	12.2	4.6	1.5
85°	12.2	13.7	15.2	13.7	12.2	12.2	21.3	19.8	4.6	1.5
87.5°	6.1	6.1	6.1	6.1	6.1	4.6	6.1	4.6	3.0	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°  
25250.8  
*25060.4*  
24818.3  
24343.1  
23633.4  
22564.3  
21391.6  
20080.3  
18497.9  
17139.5  
15806.9  
12724.4  
10817.6  
9588.6  
8396.1  
7023.9  
5610.6  
3786.1  
1999.7  
1069.1  
673.2  
453.8  
309.2  
234.5  
179.7  
143.2  
124.9  
108.1  
95.9  
89.9  
76.1  
62.4  
44.2  
28.9  
18.3  
10.7  
4.6  
3.0  
1.5  
1.5  
1.5  
0.0  
0.0

OF REPORT)