

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: P956423

Luminaire Tested: **GLAN-SB9A-830-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-830-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38471 lumens
Efficiency: N/A
Efficacy: 150.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 255.5
Input Voltage (V): NR
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: 24 FT

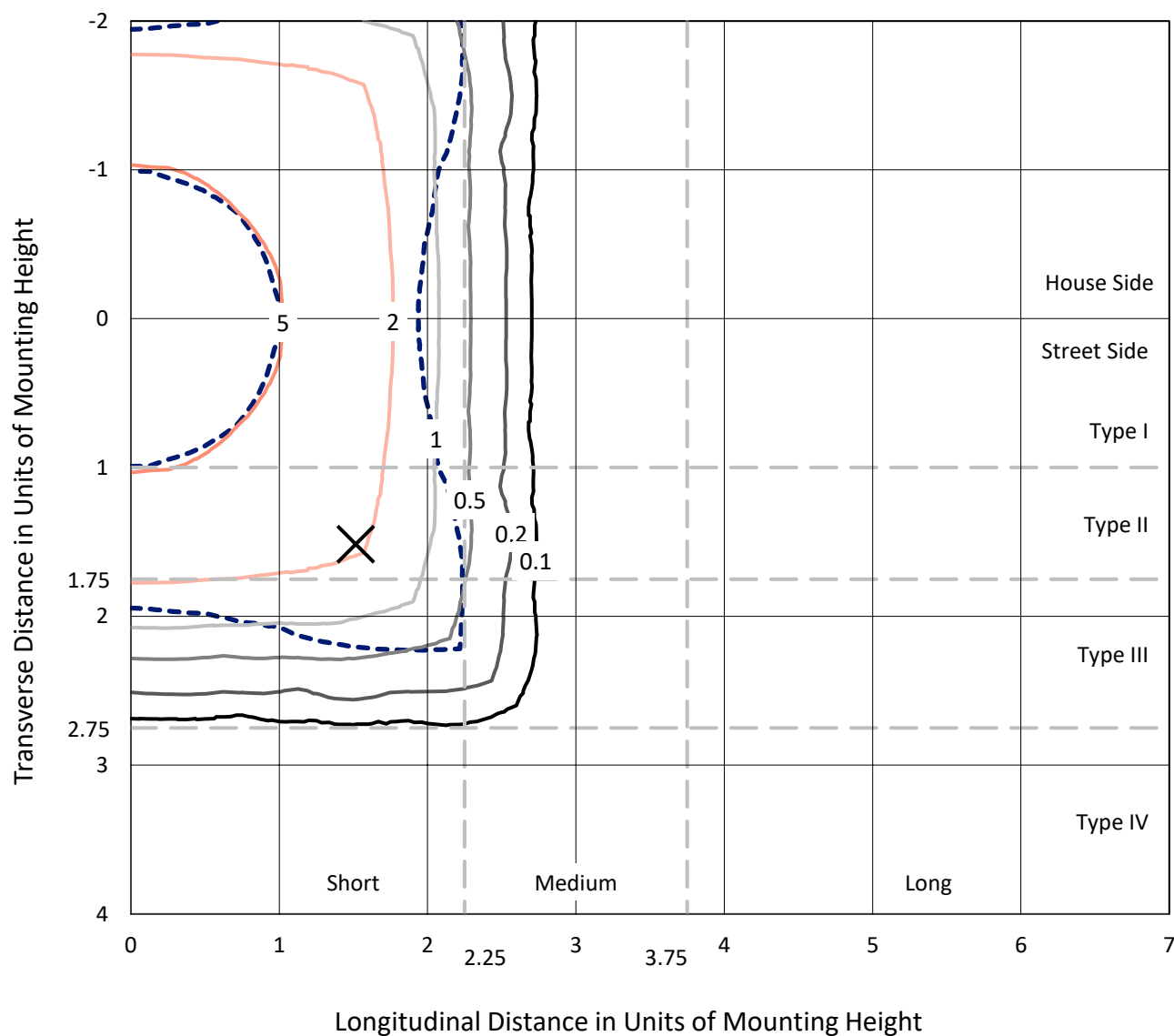


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Iso-Footcandle Lines of Horizontal Illumination

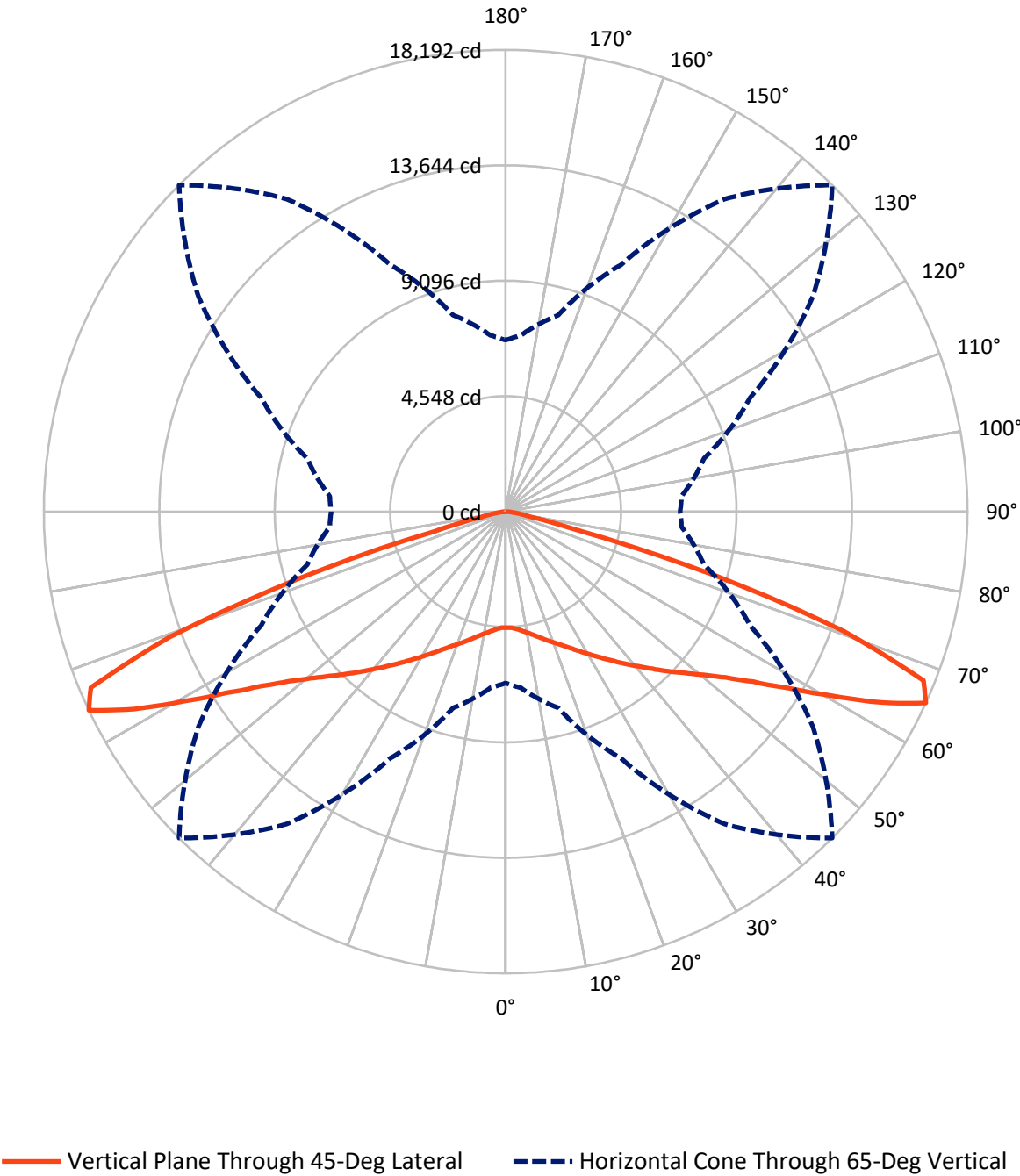
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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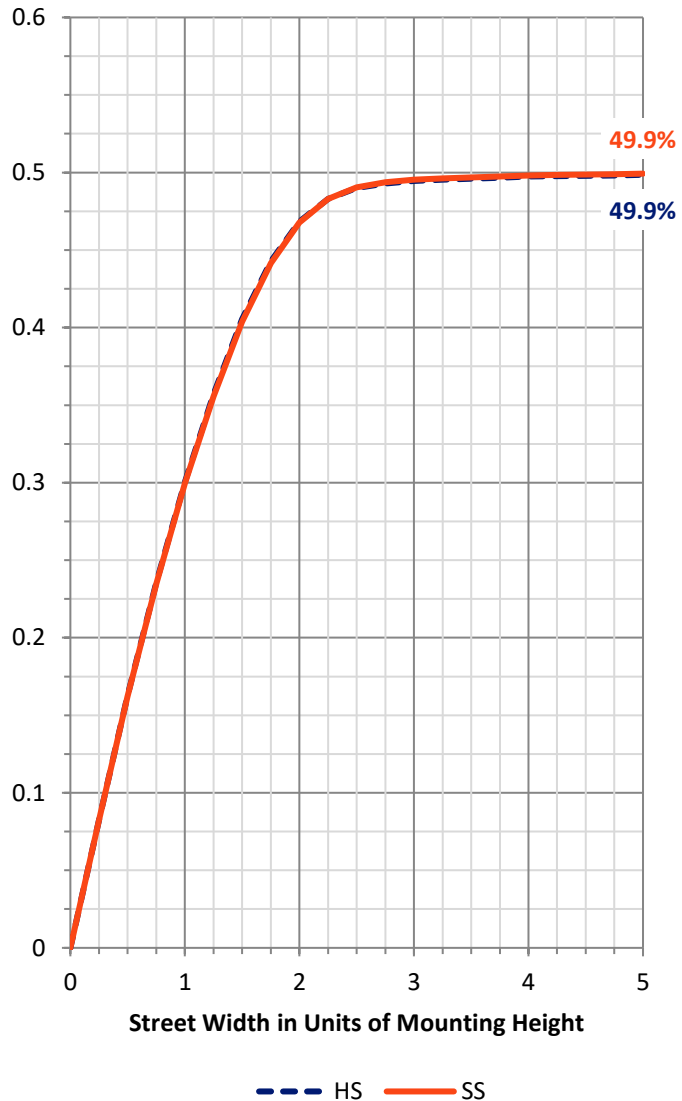
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19235.5	0.0	19235.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19235.5	0.0	19235.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	38471.0	0.0	38471.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.8	1.2
10°-20°	1474.4	3.8
20°-30°	2783.9	7.2
30°-40°	4558.5	11.8
40°-50°	7068.0	18.4
50°-60°	10440.8	27.1
60°-70°	9938.7	25.8
70°-80°	1603.7	4.2
80°-90°	151.2	0.4
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°	38471.0	100.0
0°-180°	38471.0	100.0

Coefficient of Utilization



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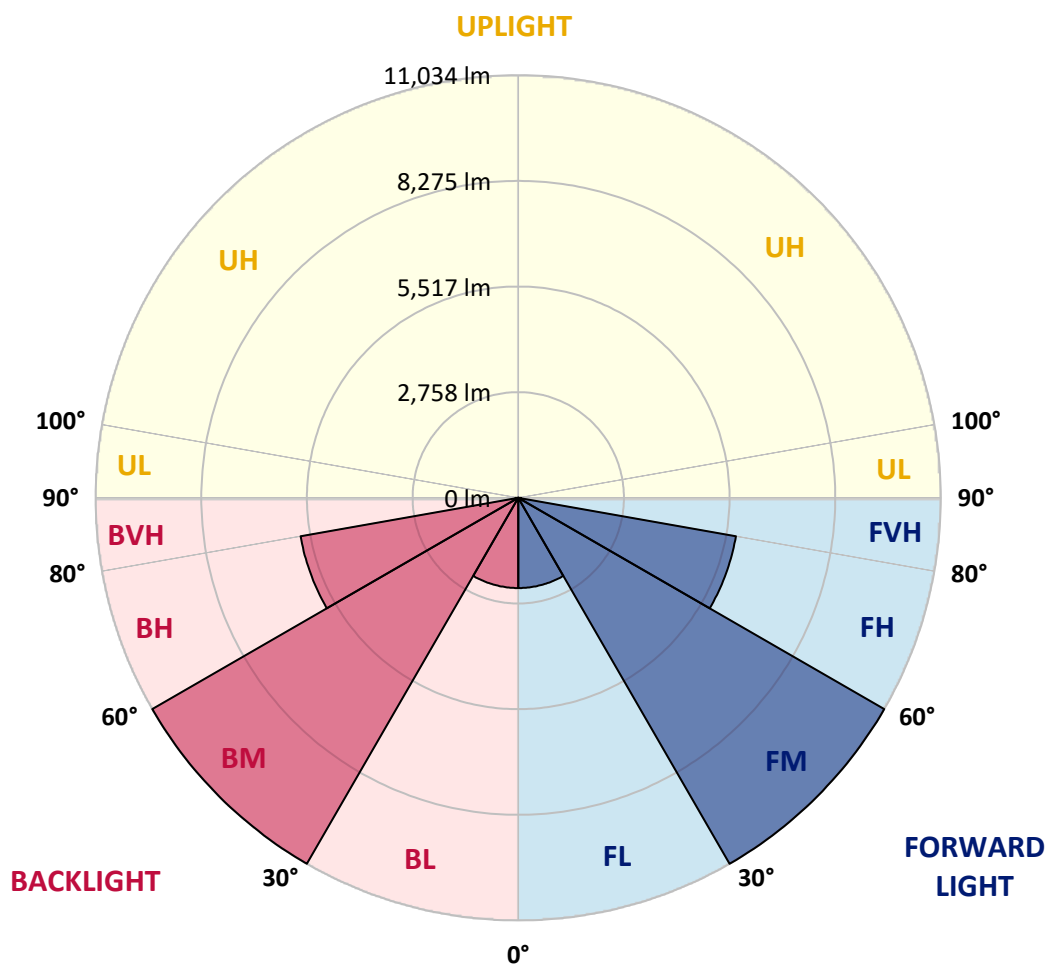
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2355.1	6.1			
FM	(30°-60°)	11033.6	28.7			
FH	(60°-80°)	5771.2	15.0			G3/7500
FVH	(80°-90°)	75.6	0.2			G1/100
BL	(0°-30°)	2355.1	6.1	B3/2500		
BM	(30°-60°)	11033.6	28.7	B5		
BH	(60°-80°)	5771.2	15.0	B5		G3/7500
BVH	(80°-90°)	75.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4578.4	4578.4	4578.4	4578.4	4578.4	4578.4	4578.4	4578.4	4578.4	4578.4
2.5°	4609.3	4593.9	4605.5	4595.8	4588.1	4580.4	4584.2	4597.7	4603.5	4605.5
5°	4671.1	4657.6	4663.4	4663.4	4649.9	4646.0	4647.9	4657.6	4669.2	4669.2
7.5°	4771.5	4757.9	4771.5	4763.7	4752.2	4748.3	4746.4	4754.1	4771.5	4771.5
10°	4893.1	4877.6	4885.3	4881.5	4868.0	4862.2	4860.2	4871.8	4887.3	4885.3
12.5°	5026.2	5008.9	5018.5	5006.9	5003.1	4997.3	4997.3	4995.4	5005.0	4997.3
15°	5174.9	5163.3	5167.1	5159.4	5165.2	5161.4	5145.9	5138.2	5142.1	5130.5
17.5°	5350.5	5323.5	5337.0	5333.1	5333.1	5340.9	5315.8	5306.1	5313.8	5302.3
20°	5553.2	5526.2	5532.0	5524.2	5514.6	5522.3	5491.4	5499.1	5504.9	5497.2
22.5°	5775.2	5740.4	5738.5	5742.3	5721.1	5723.0	5701.8	5721.1	5732.7	5711.5
25°	6002.9	5966.2	5991.3	5981.7	5954.7	5960.5	5945.0	5964.3	5974.0	5946.9
27.5°	6244.2	6219.1	6242.3	6248.1	6215.2	6238.4	6215.2	6232.6	6242.3	6201.7
30°	6526.0	6500.9	6522.1	6537.6	6499.0	6535.7	6516.4	6527.9	6529.9	6481.6
32.5°	6832.9	6794.3	6848.3	6856.1	6813.6	6858.0	6832.9	6848.3	6858.0	6792.4
35°	7207.4	7159.1	7220.9	7211.2	7174.6	7211.2	7188.1	7211.2	7234.4	7155.3
37.5°	7610.8	7560.6	7626.2	7608.8	7574.1	7599.2	7585.7	7601.1	7637.8	7552.9
40°	8054.7	7993.0	8081.7	8050.9	8018.0	8014.2	8021.9	8031.6	8079.8	7985.2
42.5°	8529.6	8463.9	8597.1	8548.9	8502.5	8471.6	8496.7	8516.0	8562.4	8456.2
45°	9071.9	8996.7	9170.4	9112.5	9039.1	8975.4	9016.0	9044.9	9112.5	8985.1
47.5°	9670.3	9585.4	9770.7	9753.3	9633.6	9494.7	9587.3	9670.3	9720.5	9566.1
50°	10255.2	10189.5	10432.7	10454.0	10307.3	10112.3	10241.6	10367.1	10380.6	10177.9
52.5°	10803.3	10737.7	11090.9	11224.1	11092.9	10861.2	10998.3	11125.7	11023.4	10760.9
55°	11241.5	11187.4	11637.2	11980.7	12025.1	11834.1	11915.1	11911.3	11575.4	11172.0
57.5°	11347.6	11339.9	11907.4	12635.1	13098.3	13121.5	12961.3	12552.1	11828.3	11285.9
60°	10865.1	10913.3	11693.1	12976.7	14212.1	14725.5	14032.6	12864.8	11540.7	10787.9
62.5°	9421.3	9548.7	10488.7	12559.8	15111.5	16570.8	14891.5	12390.0	10359.4	9376.9
65°	6751.8	6973.8	8012.3	10718.4	15030.5	18192.1	14768.0	10631.5	8089.5	6956.4
67.5°	3063.2	3289.1	4171.2	7338.6	13065.5	17752.0	13034.6	7415.8	4379.6	3300.6
70°	1109.9	1148.5	1432.2	2937.8	8350.0	14144.5	8707.1	2959.0	1522.9	1223.7
72.5°	671.7	677.5	737.3	1052.0	2901.1	8587.5	3024.6	1086.7	752.8	667.8
75°	426.6	422.7	525.0	642.8	1028.8	2897.2	1079.0	642.8	523.1	476.8
77.5°	306.9	316.6	376.4	480.6	648.5	982.5	637.0	459.4	376.4	308.8
80°	229.7	235.5	274.1	374.5	455.5	611.9	405.3	339.7	283.7	193.0
82.5°	166.0	166.0	179.5	272.2	277.9	330.1	220.0	239.3	187.2	137.0
85°	98.4	96.5	112.0	162.1	144.8	121.6	100.4	146.7	117.7	84.9
87.5°	34.7	36.7	34.7	46.3	38.6	32.8	30.9	40.5	32.8	29.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4578.4
4605.5
4669.2
4765.7
4881.5
5001.1
5132.4
5311.9
5514.6
5732.7
5977.8
6232.6
6510.6
6836.8
7203.5
7605.0
8016.1
8512.2
9050.7
9618.2
10203.0
10768.6
11185.5
11251.1
10699.1
9319.0
6873.4
3252.4
1208.3
679.4
480.6
314.6
198.8
137.0
83.0
27.0
0.0

OF REPORT)