

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: P953356

Luminaire Tested: **GLAN-SB6D-940-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-940-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46829 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 440.1
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



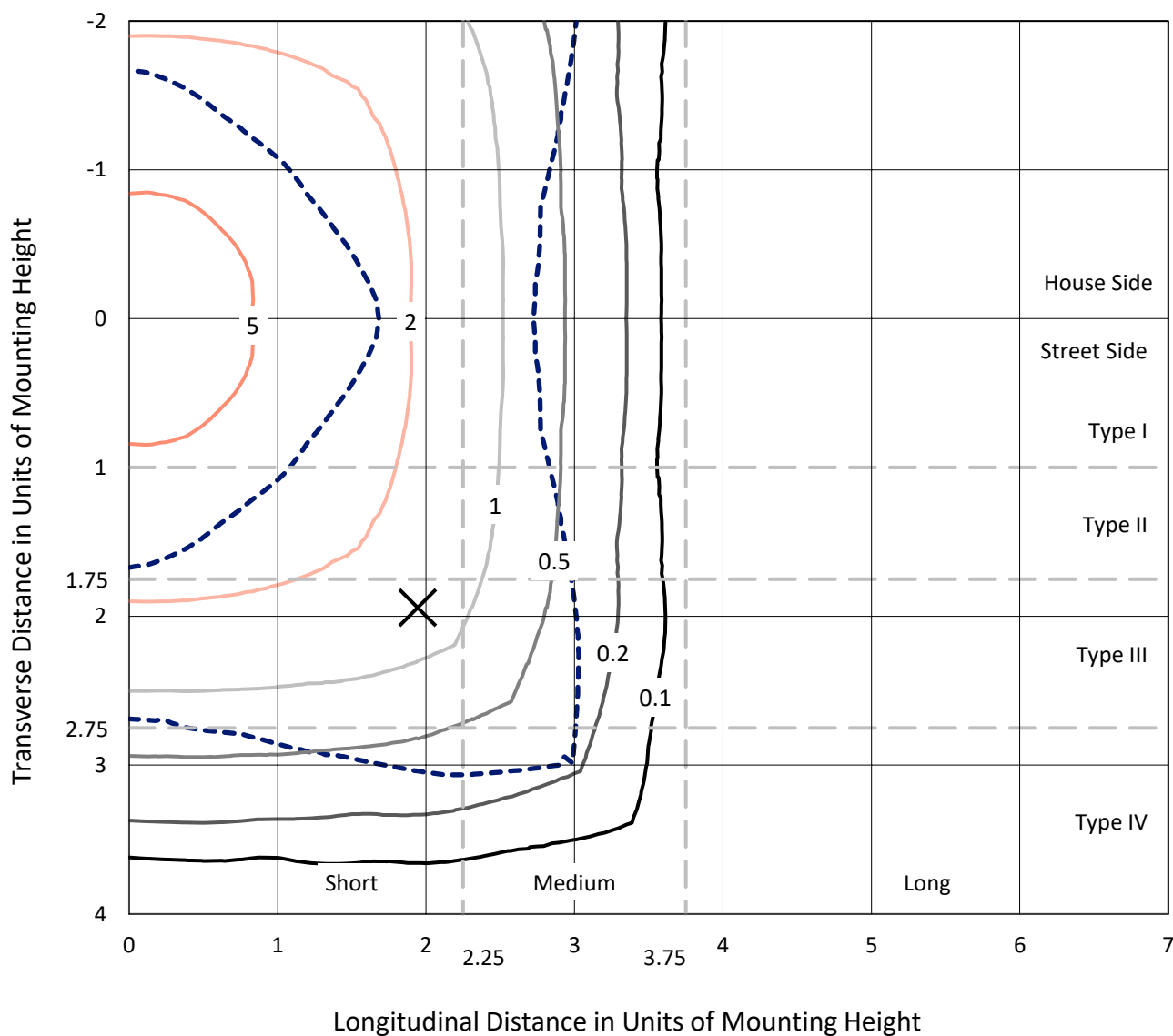
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

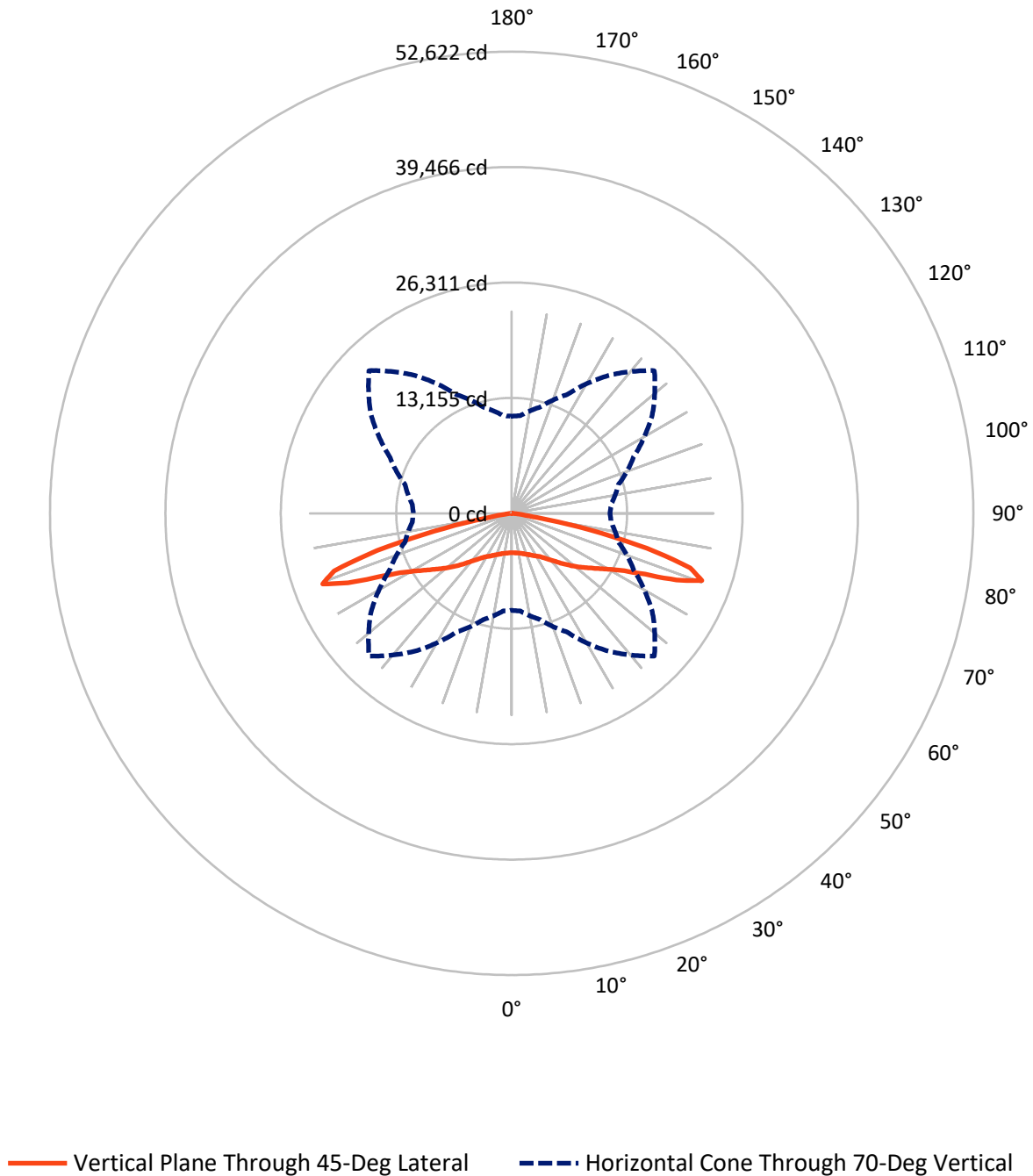


Based on 25 foot mounting height. Maximum calculated value = 7.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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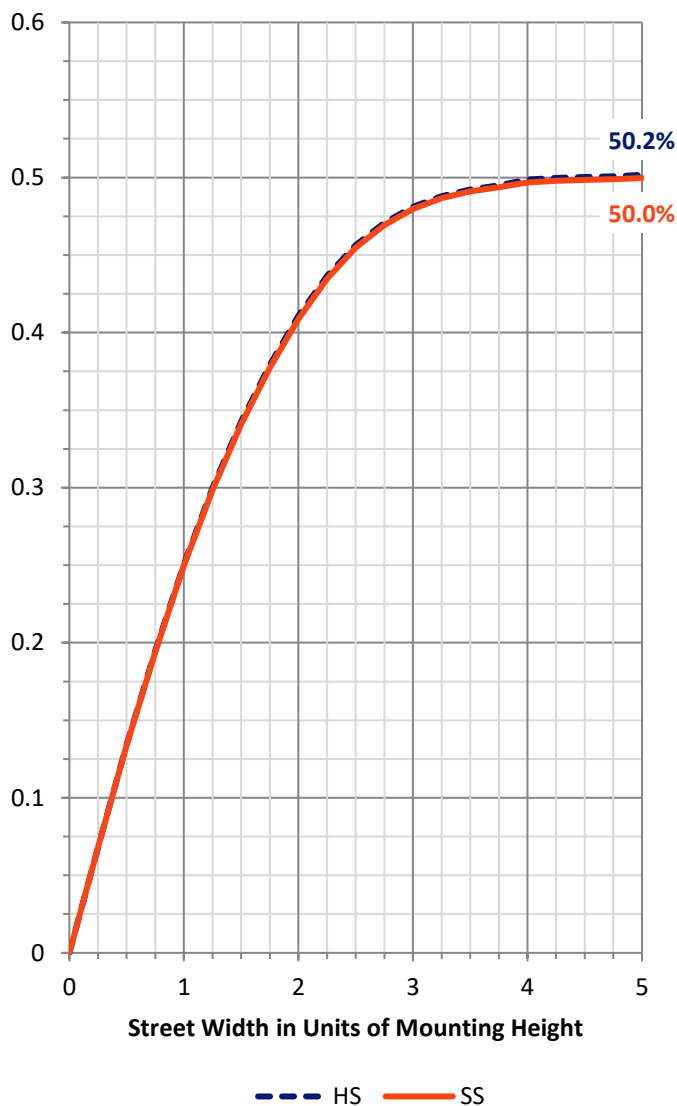
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23414.5	0.0	23414.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23414.5	0.0	23414.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	46829.0	0.0	46829.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.8	0.9
10°-20°	1351.3	2.9
20°-30°	2415.0	5.2
30°-40°	3914.7	8.4
40°-50°	6376.3	13.6
50°-60°	9721.8	20.8
60°-70°	14462.9	30.9
70°-80°	7882.8	16.8
80°-90°	268.4	0.6
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°	46829.0	100.0
0°-180°	46829.0	100.0

Coefficient of Utilization



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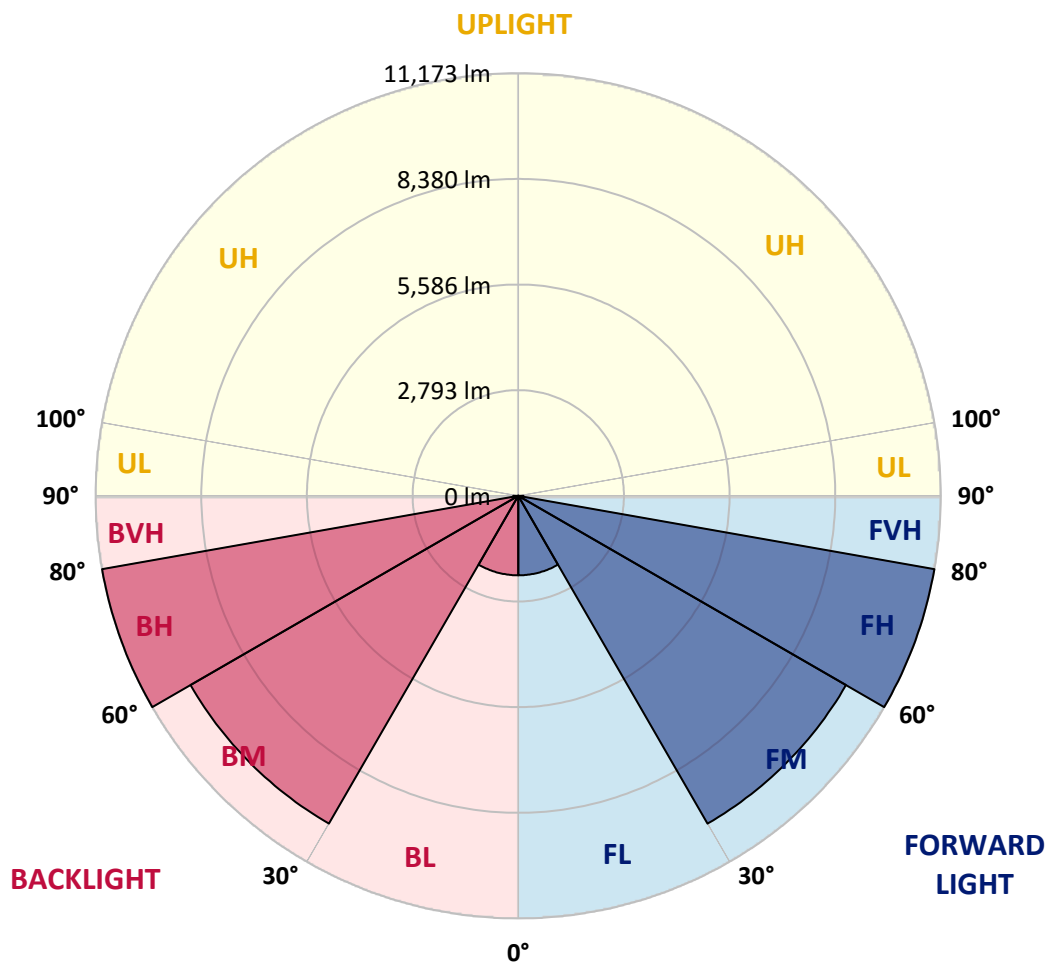
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2101.1	4.5			
FM	(30°-60°)	10006.4	21.4			
FH	(60°-80°)	11172.8	23.9			G4/12000
FVH	(80°-90°)	134.2	0.3			G2/225
BL	(0°-30°)	2101.1	4.5	B3/2500		
BM	(30°-60°)	10006.4	21.4	B5		
BH	(60°-80°)	11172.8	23.9	B5		G4/12000
BVH	(80°-90°)	134.2	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4485.7	4485.7	4485.7	4485.7	4485.7	4485.7	4485.7	4485.7	4485.7	4485.7
2.5°	4506.9	4511.6	4502.2	4497.5	4492.8	4485.7	4488.1	4499.8	4509.2	4506.9
5°	4544.5	4549.2	4542.2	4539.8	4530.4	4528.1	4528.1	4539.8	4546.9	4542.2
7.5°	4586.8	4593.9	4582.1	4579.8	4575.1	4570.4	4568.0	4579.8	4586.8	4586.8
10°	4626.8	4633.8	4624.4	4617.4	4612.7	4612.7	4608.0	4617.4	4629.1	4626.8
12.5°	4669.1	4673.8	4664.4	4659.7	4659.7	4666.8	4659.7	4664.4	4673.8	4669.1
15°	4720.8	4723.2	4720.8	4727.9	4739.6	4763.2	4742.0	4737.3	4742.0	4730.2
17.5°	4791.4	4796.1	4805.5	4821.9	4838.4	4880.7	4843.1	4831.3	4831.3	4807.8
20°	4878.4	4885.4	4899.5	4927.7	4948.9	4988.9	4951.2	4934.8	4927.7	4897.2
22.5°	4970.0	4981.8	5003.0	5040.6	5078.2	5115.8	5078.2	5050.0	5028.8	4988.9
25°	5075.8	5089.9	5122.9	5184.0	5235.7	5289.8	5245.1	5188.7	5146.4	5089.9
27.5°	5226.3	5242.8	5282.7	5358.0	5423.8	5470.8	5428.5	5355.6	5296.8	5228.7
30°	5437.9	5454.4	5501.4	5581.3	5626.0	5656.5	5628.3	5571.9	5501.4	5423.8
32.5°	5710.6	5731.8	5783.5	5858.7	5868.1	5872.8	5863.4	5835.2	5783.5	5689.5
35°	6056.2	6079.7	6138.5	6199.6	6190.2	6199.6	6185.5	6176.1	6138.5	6030.3
37.5°	6479.4	6507.6	6568.7	6615.8	6592.2	6580.5	6582.8	6585.2	6564.0	6444.1
40°	6970.8	7008.4	7053.0	7102.4	7062.4	7027.2	7050.7	7069.5	7050.7	6928.4
42.5°	7476.2	7530.3	7577.3	7647.8	7614.9	7570.3	7603.2	7624.3	7584.4	7452.7
45°	8038.1	8089.8	8151.0	8256.8	8233.2	8186.2	8233.2	8238.0	8169.8	8014.6
47.5°	8618.8	8672.9	8764.6	8905.6	8896.2	8844.5	8905.6	8872.7	8785.7	8600.0
50°	9169.0	9244.2	9385.2	9582.7	9601.5	9538.1	9620.3	9556.9	9411.1	9178.4
52.5°	9686.2	9766.1	9989.5	10257.5	10325.7	10243.4	10353.9	10243.4	10024.7	9726.1
55°	10229.3	10318.6	10584.3	10934.6	11070.9	11009.8	11113.2	10946.3	10636.0	10273.9
57.5°	10868.7	10922.8	11240.2	11656.3	11886.7	11900.8	11947.8	11665.7	11289.6	10878.1
60°	11562.3	11637.5	11983.1	12481.5	12845.9	12963.5	12914.1	12495.6	12058.3	11585.8
62.5°	12451.0	12533.3	12947.0	13544.2	14120.2	14411.7	14218.9	13612.4	13071.6	12505.0
65°	13186.8	13278.5	14026.1	15091.2	16139.7	16725.1	16240.8	15124.1	14150.7	13351.4
67.5°	12653.2	12766.0	13939.2	15895.2	18502.5	20249.3	18591.8	16135.0	14228.3	13144.5
70°	11059.2	11165.0	12533.3	14924.2	19167.8	22995.3	19567.5	15363.9	12577.9	11364.8
72.5°	7342.2	7683.1	9067.9	11936.1	17115.4	21279.0	17284.7	11693.9	8411.9	7325.8
75°	2435.6	2708.4	3653.5	6187.9	11463.5	15914.0	10913.4	5475.5	2894.1	2083.0
77.5°	613.6	707.7	975.7	1770.3	4572.7	9060.8	4116.6	1445.9	787.6	550.1
80°	298.6	329.1	470.2	590.1	1144.9	2880.0	1074.4	554.8	371.5	286.8
82.5°	164.6	166.9	265.7	333.8	425.5	745.3	442.0	324.4	213.9	174.0
85°	101.1	98.7	141.1	178.7	178.7	265.7	211.6	178.7	122.3	108.1
87.5°	40.0	40.0	51.7	56.4	49.4	68.2	54.1	58.8	47.0	44.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4485.7
4509.2
4544.5
4586.8
4626.8
4666.8
4730.2
4807.8
4897.2
4986.5
5087.6
5226.3
5423.8
5691.8
6030.3
6444.1
6928.4
7462.1
8031.1
8588.3
9173.7
9697.9
10224.6
10821.7
11510.6
12406.3
13219.7
12982.3
11202.6
7088.3
1970.1
491.4
263.3
174.0
112.8
47.0
0.0

OF REPORT)