

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: P952142

Luminaire Tested: **GLAN-SB6A-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952142
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6A-830-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25169 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

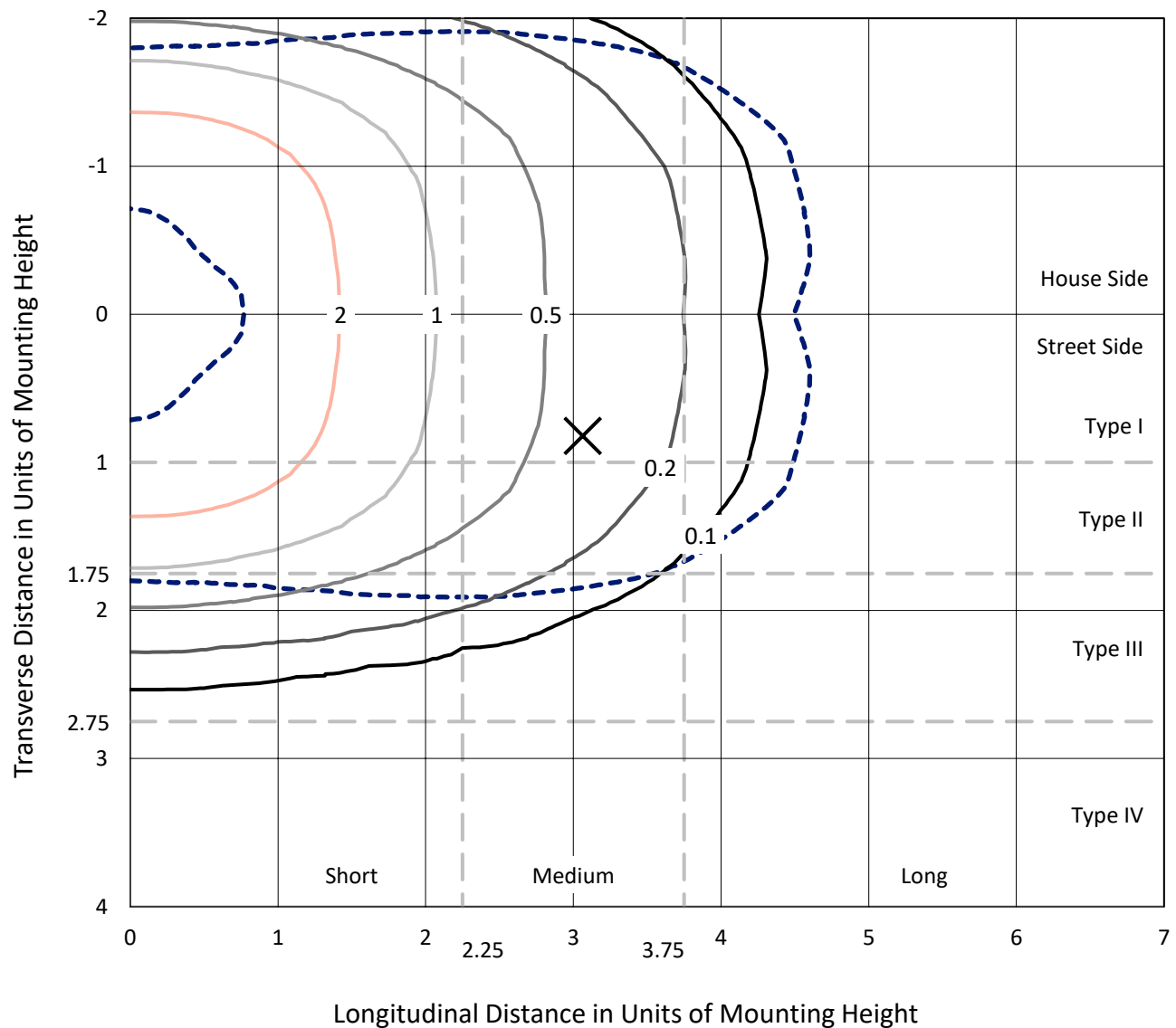
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

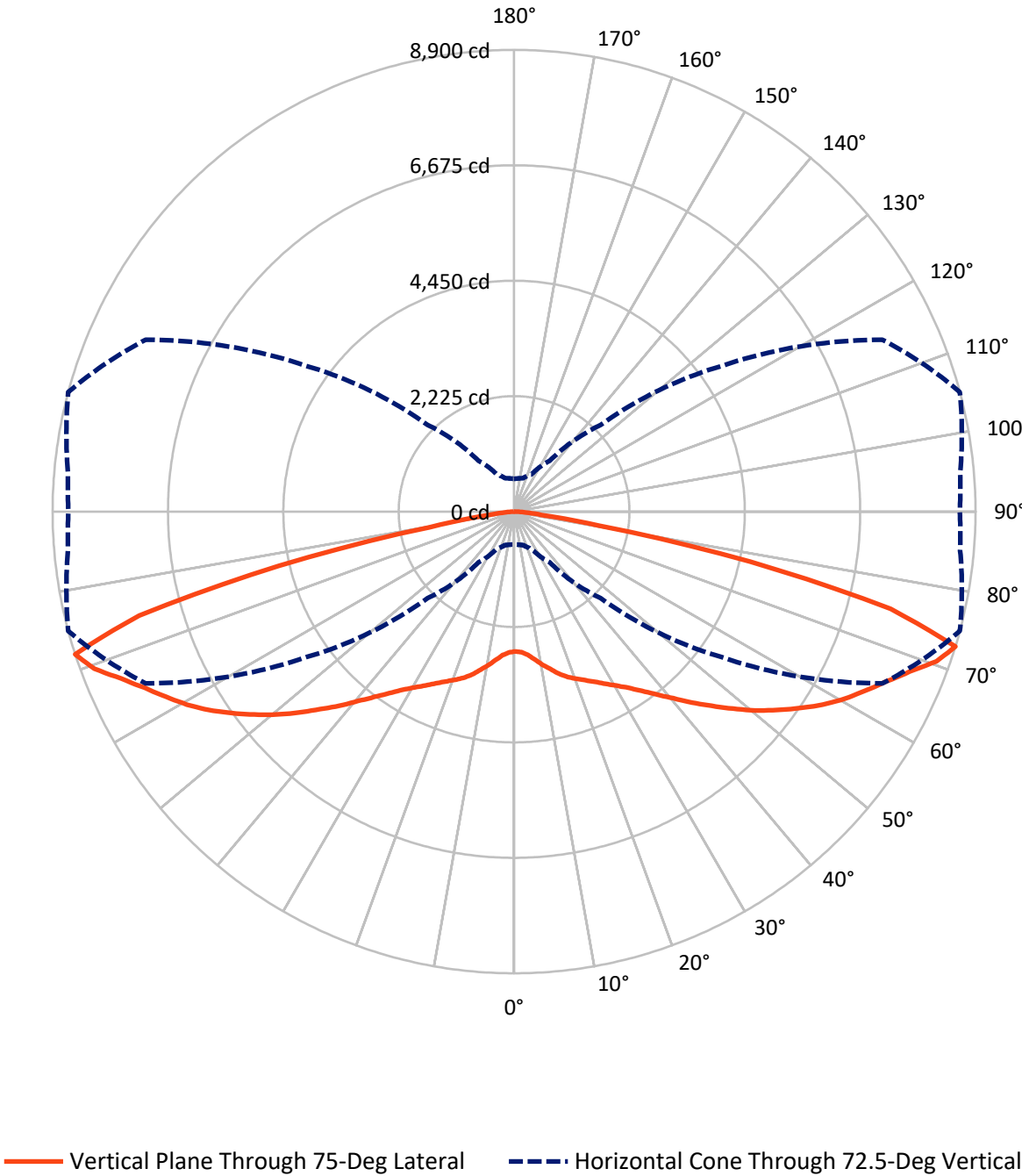
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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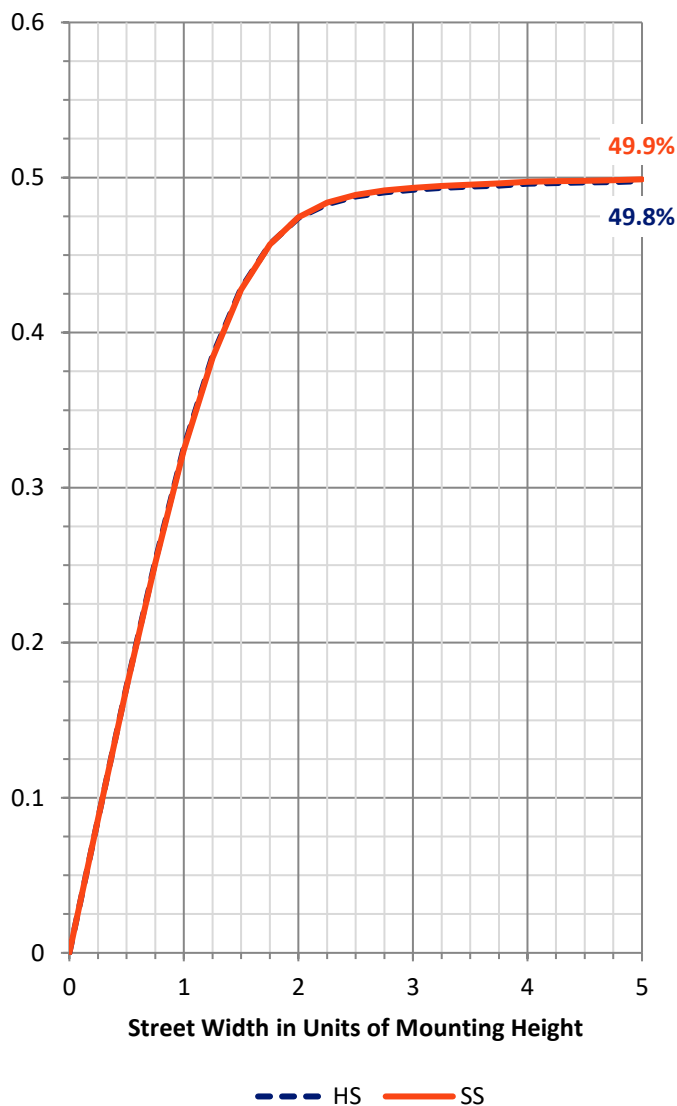
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12584.5	0.0	12584.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12584.5	0.0	12584.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25169.0	0.0	25169.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.1	1.0
10°-20°	871.1	3.5
20°-30°	1683.1	6.7
30°-40°	2842.1	11.3
40°-50°	4507.2	17.9
50°-60°	6034.6	24.0
60°-70°	5743.1	22.8
70°-80°	2996.8	11.9
80°-90°	226.8	0.9
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°	25169.0	100.0
0°-180°	25169.0	100.0

Coefficient of Utilization



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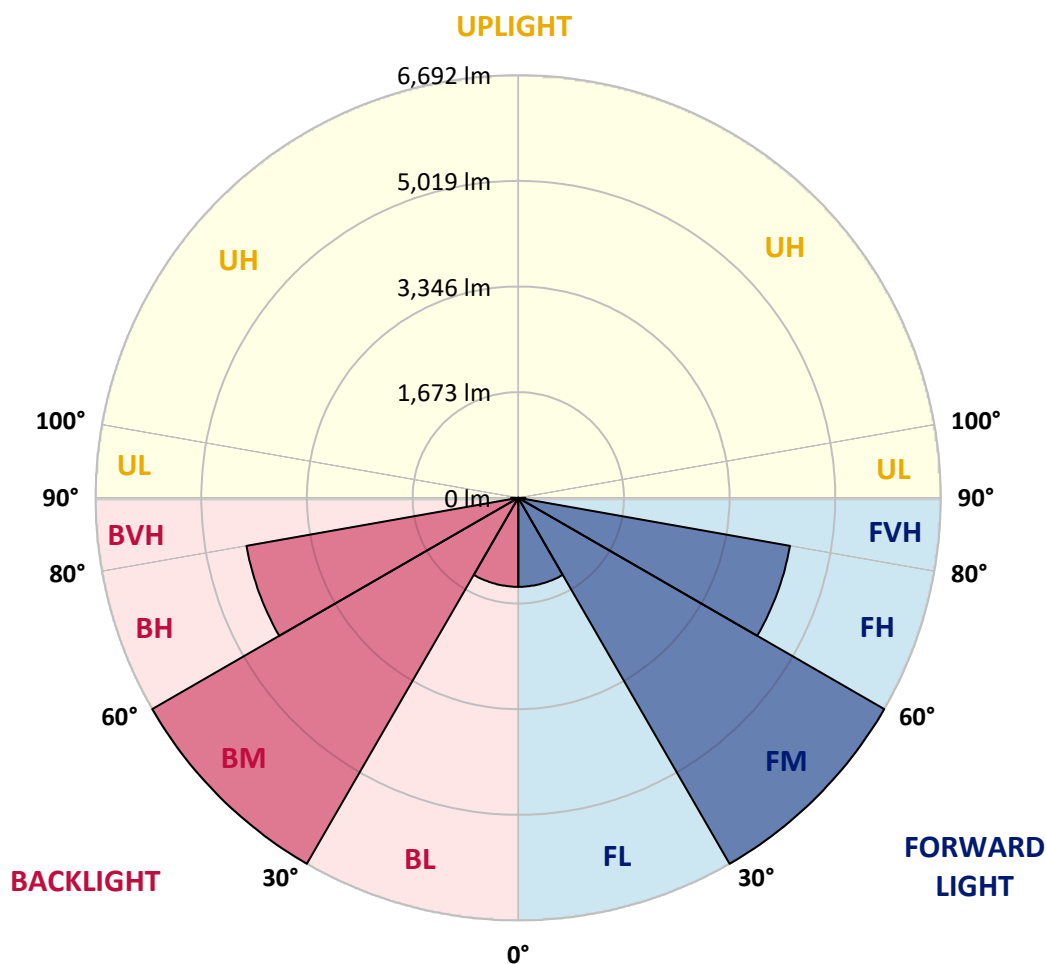
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1409.2	5.6			
FM	(30°-60°)	6692.0	26.6			
FH	(60°-80°)	4369.9	17.4			G2/5000
FVH	(80°-90°)	113.4	0.5			G2/225
BL	(0°-30°)	1409.2	5.6	B3/2500		
BM	(30°-60°)	6692.0	26.6	B4/8500		
BH	(60°-80°)	4369.9	17.4	B4/5000		G4/5000
BVH	(80°-90°)	113.4	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2696.1	2696.1	2696.1	2696.1	2696.1	2696.1	2696.1	2696.1	2696.1	2696.1
2.5°	2696.1	2693.5	2696.1	2698.6	2697.3	2697.3	2703.8	2707.6	2715.3	2714.0
5°	2678.1	2676.8	2687.1	2698.6	2707.6	2723.0	2742.3	2756.4	2774.4	2778.3
7.5°	2669.1	2665.2	2683.2	2703.8	2732.0	2770.6	2807.9	2846.4	2877.2	2887.5
10°	2675.5	2676.8	2701.2	2739.7	2784.7	2838.7	2891.4	2956.9	3000.6	3010.9
12.5°	2705.0	2702.5	2743.6	2805.3	2867.0	2935.1	2996.8	3068.7	3116.3	3140.7
15°	2759.0	2753.9	2811.7	2902.9	2992.9	3072.6	3122.7	3190.8	3246.1	3276.9
17.5°	2823.3	2825.8	2901.7	3019.9	3138.1	3228.1	3275.6	3310.3	3352.7	3379.7
20°	2936.4	2941.5	3026.3	3166.4	3301.3	3404.1	3442.7	3429.8	3441.4	3461.9
22.5°	3088.0	3090.6	3185.7	3337.3	3478.7	3591.7	3617.4	3564.7	3532.6	3546.8
25°	3264.0	3280.8	3375.8	3531.3	3676.5	3784.5	3796.1	3716.4	3636.7	3640.6
27.5°	3478.7	3494.1	3590.5	3744.7	3892.4	3986.2	3985.0	3878.3	3761.4	3731.8
30°	3711.2	3728.0	3826.9	3986.2	4123.7	4206.0	4188.0	4060.8	3893.7	3838.5
32.5°	3987.5	3997.8	4098.0	4257.4	4384.6	4450.2	4412.9	4256.1	4047.9	3985.0
35°	4321.6	4337.1	4411.6	4562.0	4673.8	4727.7	4664.8	4479.7	4245.8	4175.2
37.5°	4703.3	4693.0	4777.8	4911.5	5004.0	5037.4	4951.3	4731.6	4472.0	4388.5
40°	5101.7	5096.5	5189.1	5317.6	5367.7	5388.2	5261.0	5020.7	4732.9	4642.9
42.5°	5462.8	5458.9	5583.6	5726.2	5786.6	5763.5	5602.9	5327.8	5034.9	4932.1
45°	5751.9	5746.8	5899.7	6100.2	6218.4	6179.8	5964.0	5667.1	5340.7	5234.0
47.5°	5974.2	5976.8	6141.3	6389.3	6596.2	6610.3	6332.8	6012.8	5677.4	5556.6
50°	6134.9	6142.6	6318.6	6593.6	6876.3	7001.0	6709.3	6367.5	6025.6	5889.4
52.5°	6174.7	6188.8	6400.9	6723.4	7056.3	7294.0	7092.2	6708.0	6355.9	6226.1
55°	5962.7	5990.9	6259.5	6713.1	7166.8	7486.7	7428.9	7053.7	6688.7	6555.1
57.5°	5475.6	5515.5	5829.0	6421.4	7142.3	7619.1	7689.8	7385.2	7021.6	6893.0
60°	4793.3	4840.8	5141.5	5787.9	6798.0	7667.9	7873.5	7707.8	7327.4	7202.7
62.5°	3763.9	3825.6	4185.4	4943.6	6070.6	7440.5	8030.3	7999.5	7602.4	7446.9
65°	2414.6	2480.2	2859.3	3754.9	5100.4	6744.0	8079.2	8283.5	7892.8	7675.6
67.5°	1456.0	1485.5	1673.1	2275.8	3728.0	5694.1	7665.4	8598.3	8232.1	7962.2
70°	931.7	948.4	1060.2	1336.5	2107.5	4154.6	6639.9	8657.4	8643.3	8256.5
72.5°	632.2	637.4	666.9	791.6	1192.5	2360.7	4897.4	7837.6	8900.3	8635.6
75°	462.6	490.9	538.4	560.3	677.2	1179.7	2806.6	5506.5	7500.9	7616.5
77.5°	344.4	345.7	411.2	436.9	483.2	628.4	1187.4	3073.9	4657.0	4889.6
80°	291.7	276.3	275.0	352.1	363.7	391.9	530.7	1061.5	1668.0	1011.3
82.5°	242.9	226.2	204.3	275.0	248.0	240.3	230.0	431.8	530.7	260.9
85°	169.6	161.9	154.2	179.9	141.4	120.8	110.5	201.8	223.6	110.5
87.5°	73.2	75.8	77.1	79.7	59.1	42.4	42.4	56.5	56.5	43.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2696.1
2712.8
2778.3
2890.1
3021.2
3151.0
3288.5
3392.6
3477.4
3557.0
3647.0
3740.8
3844.9
4000.4
4185.4
4403.9
4672.5
4957.8
5258.5
5592.6
5930.5
6259.5
6592.3
6922.6
7229.7
7464.9
7702.6
7982.8
8253.9
8594.5
7336.4
4361.5
764.6
222.3
97.7
32.1
0.0