

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: P949262

Luminaire Tested: **GLAN-SB4A-827-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949262
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-SB4A-827-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16382 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 114
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

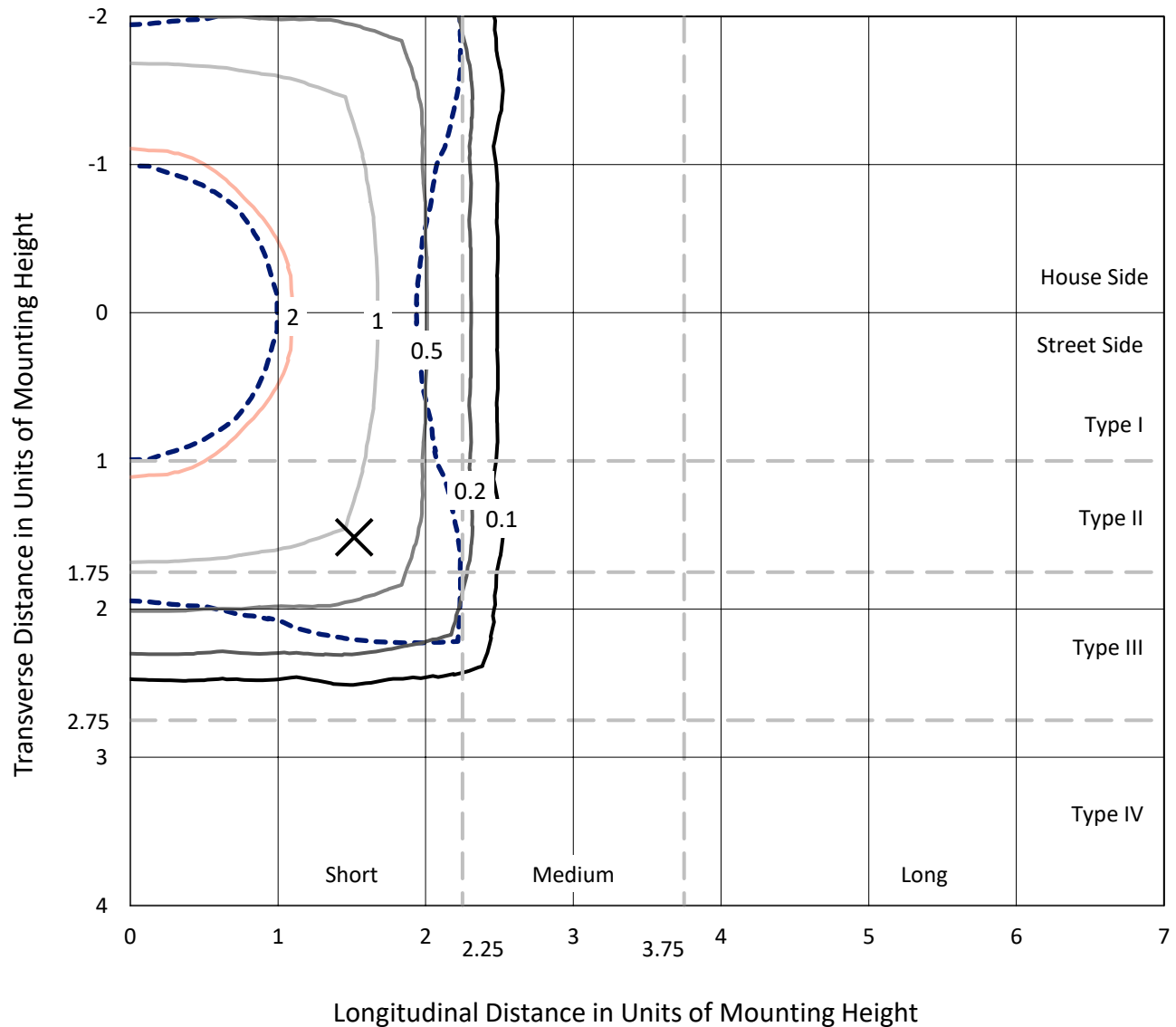


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

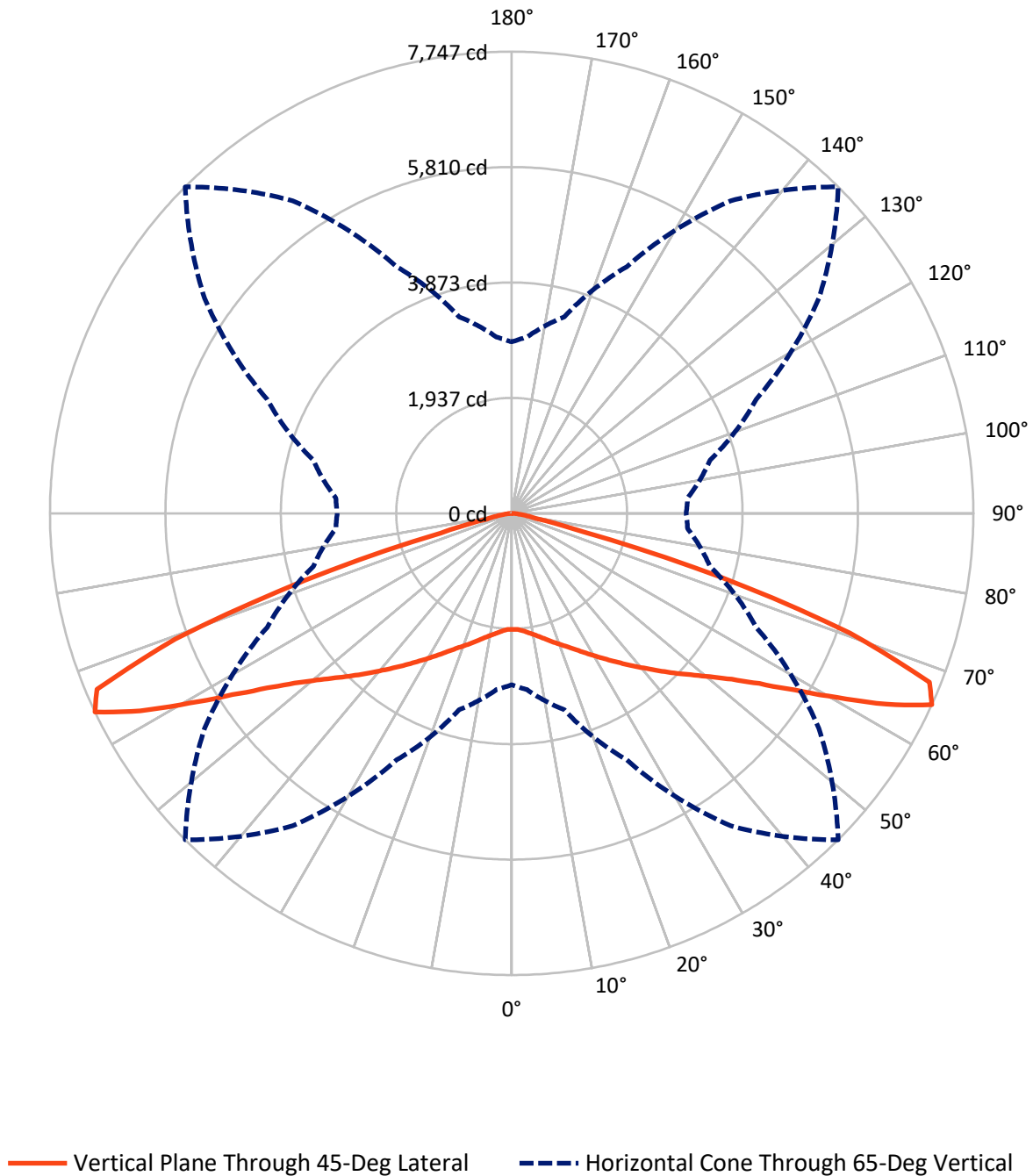


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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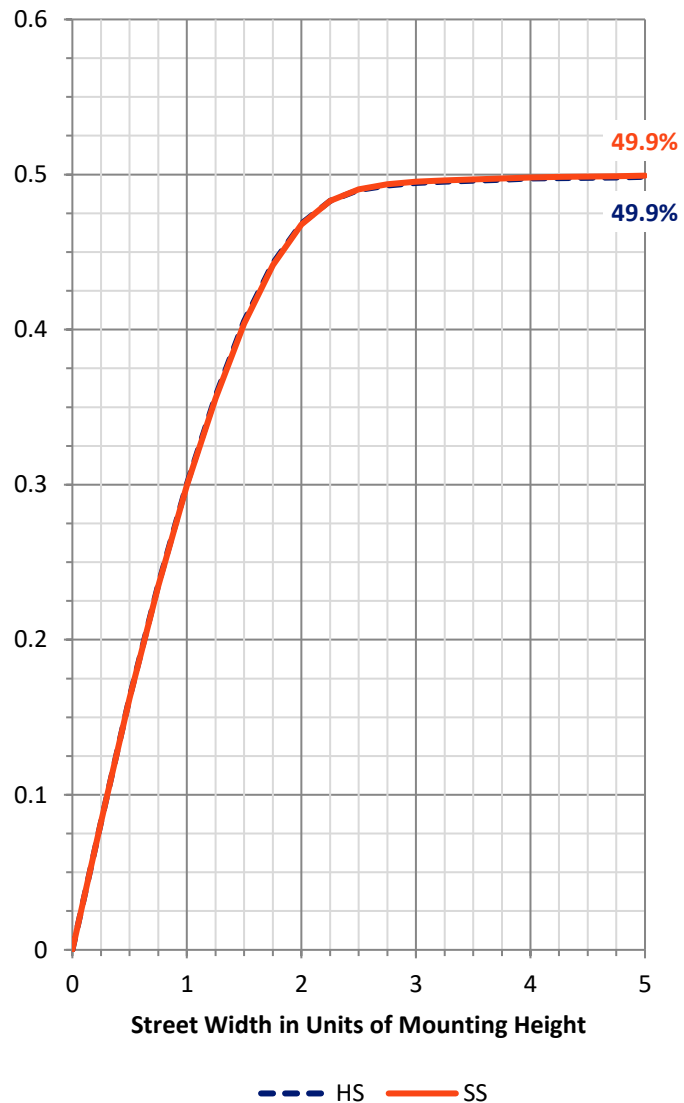
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8191.0	0.0	8191.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8191.0	0.0	8191.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16382.0	0.0	16382.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.4	1.2
10°-20°	627.8	3.8
20°-30°	1185.4	7.2
30°-40°	1941.1	11.8
40°-50°	3009.7	18.4
50°-60°	4446.0	27.1
60°-70°	4232.2	25.8
70°-80°	682.9	4.2
80°-90°	64.4	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°	16382.0	100.0
0°-180°	16382.0	100.0

Coefficient of Utilization



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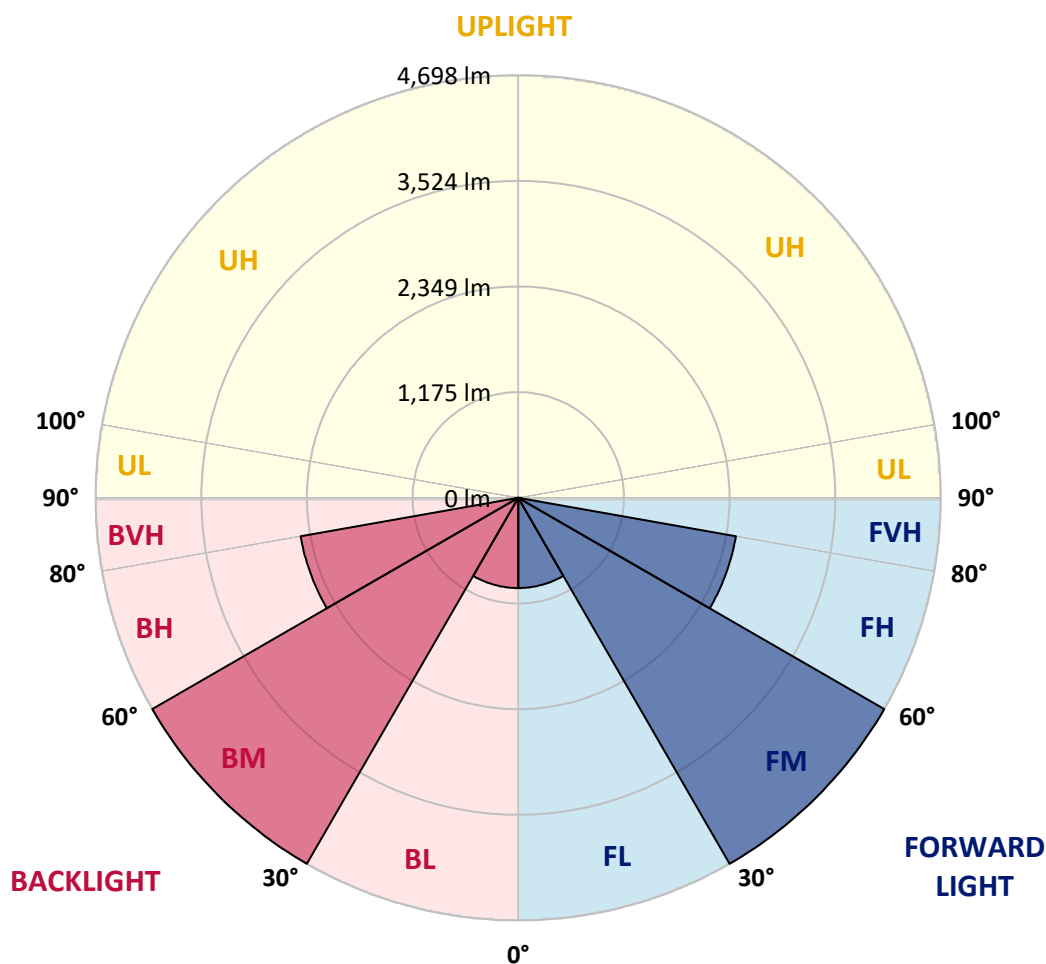
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1002.8	6.1			
FM	(30°-60°)	4698.4	28.7			
FH	(60°-80°)	2457.6	15.0			G2/5000
FVH	(80°-90°)	32.2	0.2			G1/100
BL	(0°-30°)	1002.8	6.1	B3/2500		
BM	(30°-60°)	4698.4	28.7	B3/5000		
BH	(60°-80°)	2457.6	15.0	B3/2500		G2/5000
BVH	(80°-90°)	32.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6	1949.6
2.5°	1962.8	1956.2	1961.1	1957.0	1953.7	1950.4	1952.1	1957.8	1960.3	1961.1
5°	1989.1	1983.3	1985.8	1985.8	1980.0	1978.4	1979.2	1983.3	1988.3	1988.3
7.5°	2031.8	2026.1	2031.8	2028.5	2023.6	2022.0	2021.1	2024.4	2031.8	2031.8
10°	2083.6	2077.0	2080.3	2078.7	2072.9	2070.4	2069.6	2074.6	2081.1	2080.3
12.5°	2140.3	2132.9	2137.0	2132.1	2130.4	2128.0	2128.0	2127.2	2131.3	2128.0
15°	2203.6	2198.7	2200.3	2197.0	2199.5	2197.8	2191.3	2188.0	2189.6	2184.7
17.5°	2278.4	2266.9	2272.6	2271.0	2271.0	2274.3	2263.6	2259.5	2262.8	2257.8
20°	2364.7	2353.2	2355.7	2352.4	2348.3	2351.5	2338.4	2341.7	2344.1	2340.9
22.5°	2459.2	2444.4	2443.6	2445.2	2436.2	2437.0	2428.0	2436.2	2441.1	2432.1
25°	2556.2	2540.6	2551.3	2547.2	2535.7	2538.1	2531.5	2539.8	2543.9	2532.4
27.5°	2658.9	2648.3	2658.1	2660.6	2646.6	2656.5	2646.6	2654.0	2658.1	2640.9
30°	2779.0	2768.3	2777.3	2783.9	2767.4	2783.1	2774.8	2779.8	2780.6	2760.0
32.5°	2909.6	2893.2	2916.2	2919.5	2901.4	2920.3	2909.6	2916.2	2920.3	2892.4
35°	3069.1	3048.5	3074.8	3070.7	3055.1	3070.7	3060.9	3070.7	3080.6	3046.9
37.5°	3240.9	3219.5	3247.5	3240.1	3225.3	3235.9	3230.2	3236.8	3252.4	3216.2
40°	3429.9	3403.6	3441.4	3428.3	3414.3	3412.7	3415.9	3420.1	3440.6	3400.3
42.5°	3632.1	3604.2	3660.9	3640.3	3620.6	3607.5	3618.1	3626.4	3646.1	3600.9
45°	3863.1	3831.0	3905.0	3880.3	3849.1	3822.0	3839.2	3851.6	3880.3	3826.1
47.5°	4117.9	4081.7	4160.6	4153.2	4102.3	4043.1	4082.5	4117.9	4139.2	4073.5
50°	4366.9	4339.0	4442.5	4451.6	4389.1	4306.1	4361.2	4414.6	4420.3	4334.0
52.5°	4600.4	4572.4	4722.8	4779.5	4723.6	4625.0	4683.4	4737.6	4694.1	4582.3
55°	4786.9	4763.9	4955.4	5101.7	5120.6	5039.3	5073.8	5072.1	4929.1	4757.3
57.5°	4832.1	4828.8	5070.5	5380.4	5577.6	5587.5	5519.3	5345.0	5036.8	4805.8
60°	4626.7	4647.2	4979.3	5525.8	6051.9	6270.5	5975.4	5478.2	4914.3	4593.8
62.5°	4011.8	4066.1	4466.4	5348.3	6434.9	7056.3	6341.2	5276.0	4411.3	3992.9
65°	2875.1	2969.6	3411.8	4564.2	6400.4	7746.7	6288.6	4527.2	3444.7	2962.2
67.5°	1304.4	1400.6	1776.2	3125.0	5563.7	7559.3	5550.5	3157.9	1865.0	1405.5
70°	472.6	489.0	609.9	1251.0	3555.7	6023.1	3707.7	1260.0	648.5	521.1
72.5°	286.0	288.5	314.0	448.0	1235.4	3656.8	1288.0	462.7	320.6	284.4
75°	181.6	180.0	223.6	273.7	438.1	1233.7	459.5	273.7	222.7	203.0
77.5°	130.7	134.8	160.3	204.7	276.2	418.4	271.2	195.6	160.3	131.5
80°	97.8	100.3	116.7	159.5	194.0	260.6	172.6	144.7	120.8	82.2
82.5°	70.7	70.7	76.4	115.9	118.4	140.6	93.7	101.9	79.7	58.4
85°	41.9	41.1	47.7	69.0	61.6	51.8	42.7	62.5	50.1	36.2
87.5°	14.8	15.6	14.8	19.7	16.4	14.0	13.2	17.3	14.0	12.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1949.6
1961.1
1988.3
2029.3
2078.7
2129.6
2185.5
2262.0
2348.3
2441.1
2545.5
2654.0
2772.4
2911.3
3067.4
3238.4
3413.5
3624.7
3854.0
4095.7
4344.7
4585.6
4763.1
4791.0
4556.0
3968.3
2926.9
1385.0
514.5
289.3
204.7
134.0
84.7
58.4
35.3
11.5
0.0