

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: P946678

Luminaire Tested: **GLAN-SB2B-735-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946678
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-SB2B-735-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11793 lumens
Efficiency: N/A
Efficacy: 159.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 73.9
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

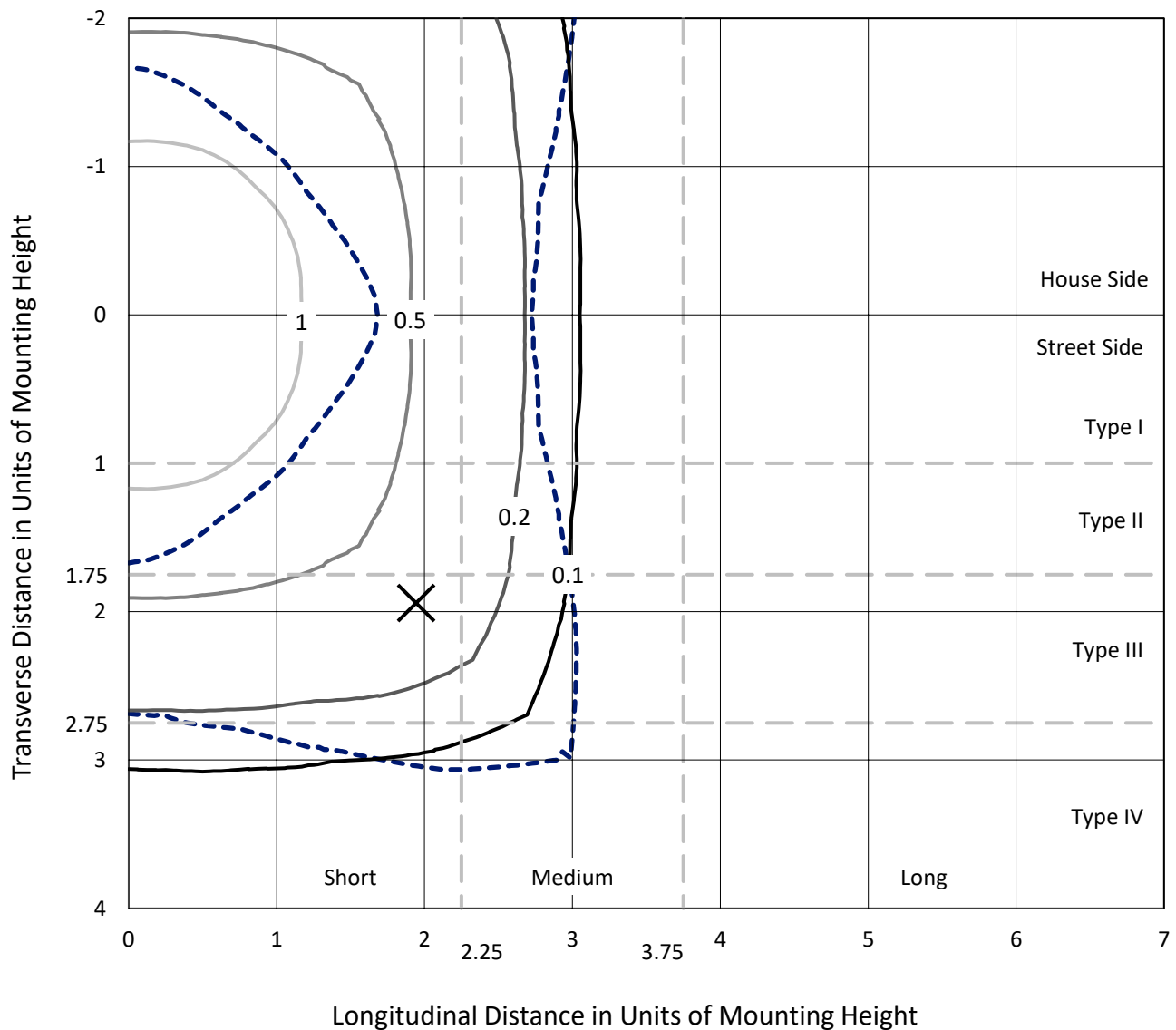


REPORT NUMBER: P946678

CATALOG NUMBER: GLAN-SB2B-735-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

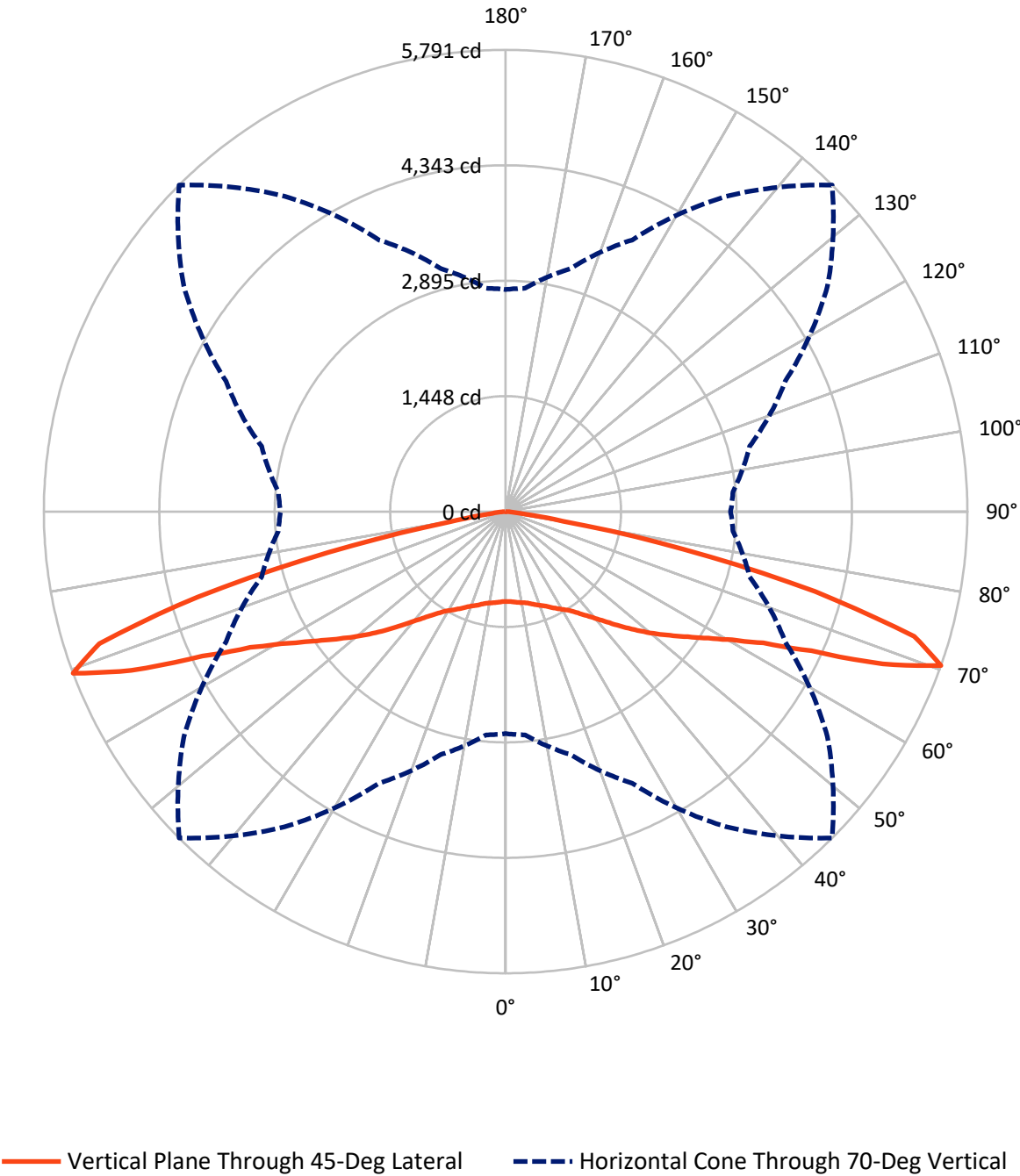
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type V - Short - N/A

REPORT NUMBER: P946678
CATALOG NUMBER: GLAN-SB2B-735-U-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P946678

CATALOG NUMBER: GLAN-SB2B-735-U-5MQ

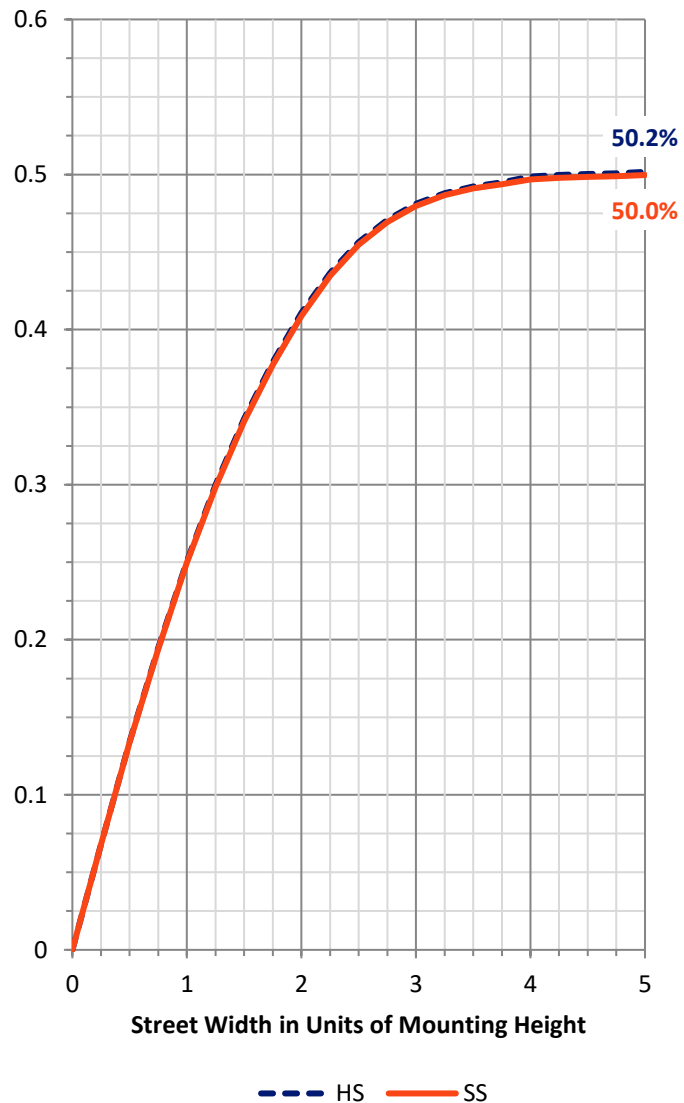
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5896.5	0.0	5896.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5896.5	0.0	5896.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11793.0	0.0	11793.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.7	0.9
10°-20°	340.3	2.9
20°-30°	608.2	5.2
30°-40°	985.8	8.4
40°-50°	1605.8	13.6
50°-60°	2448.2	20.8
60°-70°	3642.2	30.9
70°-80°	1985.1	16.8
80°-90°	67.6	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°	11793.0	100.0
0°-180°	11793.0	100.0

Coefficient of Utilization



REPORT NUMBER: P946678

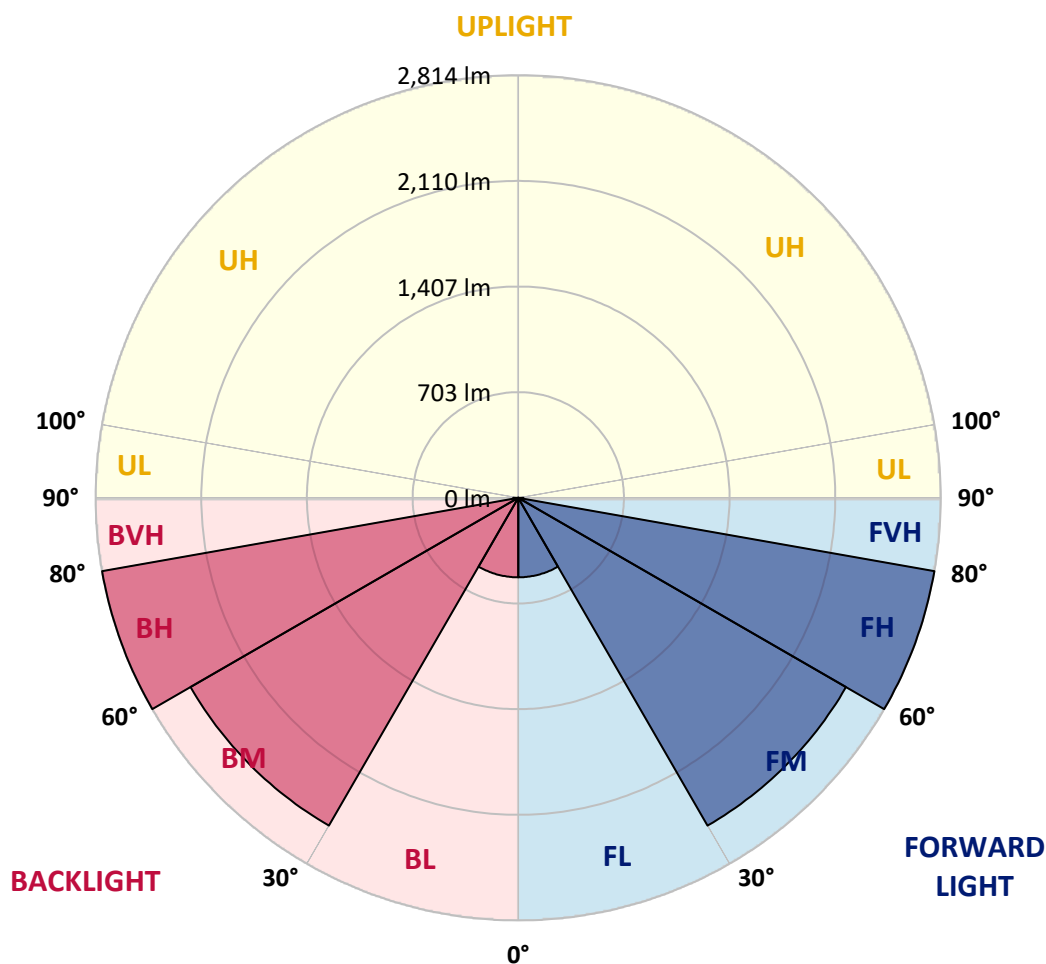
CATALOG NUMBER: GLAN-SB2B-735-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	529.1	4.5			
FM	(30°-60°)	2519.9	21.4			
FH	(60°-80°)	2813.7	23.9			G2/5000
FVH	(80°-90°)	33.8	0.3			G1/100
BL	(0°-30°)	529.1	4.5	B2/1000		
BM	(30°-60°)	2519.9	21.4	B3/5000		
BH	(60°-80°)	2813.7	23.9	B4/5000		G2/5000
BVH	(80°-90°)	33.8	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



REPORT NUMBER: P946678

CATALOG NUMBER: GLAN-SB2B-735-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1129.6	1129.6	1129.6	1129.6	1129.6	1129.6	1129.6	1129.6	1129.6	1129.6
2.5°	1135.0	1136.2	1133.8	1132.6	1131.4	1129.6	1130.2	1133.2	1135.6	1135.0
5°	1144.4	1145.6	1143.9	1143.3	1140.9	1140.3	1140.3	1143.3	1145.0	1143.9
7.5°	1155.1	1156.9	1153.9	1153.3	1152.1	1151.0	1150.4	1153.3	1155.1	1155.1
10°	1165.2	1166.9	1164.6	1162.8	1161.6	1161.6	1160.4	1162.8	1165.8	1165.2
12.5°	1175.8	1177.0	1174.6	1173.5	1173.5	1175.2	1173.5	1174.6	1177.0	1175.8
15°	1188.9	1189.4	1188.9	1190.6	1193.6	1199.5	1194.2	1193.0	1194.2	1191.2
17.5°	1206.6	1207.8	1210.2	1214.3	1218.5	1229.1	1219.6	1216.7	1216.7	1210.8
20°	1228.5	1230.3	1233.8	1241.0	1246.3	1256.3	1246.9	1242.7	1241.0	1233.3
22.5°	1251.6	1254.6	1259.9	1269.4	1278.8	1288.3	1278.8	1271.7	1266.4	1256.3
25°	1278.3	1281.8	1290.1	1305.5	1318.5	1332.1	1320.9	1306.7	1296.0	1281.8
27.5°	1316.1	1320.3	1330.4	1349.3	1365.9	1377.7	1367.1	1348.7	1333.9	1316.7
30°	1369.4	1373.6	1385.4	1405.5	1416.8	1424.5	1417.4	1403.2	1385.4	1365.9
32.5°	1438.1	1443.4	1456.5	1475.4	1477.8	1479.0	1476.6	1469.5	1456.5	1432.8
35°	1525.1	1531.1	1545.9	1561.3	1558.9	1561.3	1557.7	1555.3	1545.9	1518.6
37.5°	1631.7	1638.8	1654.2	1666.1	1660.1	1657.2	1657.8	1658.4	1653.0	1622.8
40°	1755.5	1764.9	1776.2	1788.6	1778.5	1769.7	1775.6	1780.3	1775.6	1744.8
42.5°	1882.7	1896.4	1908.2	1926.0	1917.7	1906.4	1914.7	1920.0	1910.0	1876.8
45°	2024.2	2037.3	2052.7	2079.3	2073.4	2061.5	2073.4	2074.6	2057.4	2018.3
47.5°	2170.5	2184.1	2207.2	2242.7	2240.3	2227.3	2242.7	2234.4	2212.5	2165.7
50°	2309.0	2328.0	2363.5	2413.2	2418.0	2402.0	2422.7	2406.7	2370.0	2311.4
52.5°	2439.3	2459.4	2515.7	2583.2	2600.3	2579.6	2607.4	2579.6	2524.5	2449.3
55°	2576.0	2598.5	2665.4	2753.7	2788.0	2772.6	2798.7	2756.6	2678.5	2587.3
57.5°	2737.1	2750.7	2830.6	2935.4	2993.4	2997.0	3008.8	2937.8	2843.1	2739.5
60°	2911.7	2930.7	3017.7	3143.2	3235.0	3264.6	3252.2	3146.8	3036.7	2917.7
62.5°	3135.5	3156.3	3260.5	3410.8	3555.9	3629.3	3580.8	3428.0	3291.8	3149.2
65°	3320.9	3343.9	3532.2	3800.4	4064.5	4211.9	4089.9	3808.7	3563.6	3362.3
67.5°	3186.5	3214.9	3510.3	4002.9	4659.5	5099.4	4682.0	4063.3	3583.1	3310.2
70°	2785.0	2811.7	3156.3	3758.4	4827.1	5790.9	4927.7	3869.1	3167.5	2862.0
72.5°	1849.0	1934.8	2283.6	3005.9	4310.2	5358.7	4352.8	2944.9	2118.4	1844.9
75°	613.4	682.1	920.1	1558.3	2886.9	4007.6	2748.3	1378.9	728.8	524.6
77.5°	154.5	178.2	245.7	445.8	1151.6	2281.8	1036.7	364.1	198.3	138.5
80°	75.2	82.9	118.4	148.6	288.3	725.3	270.6	139.7	93.5	72.2
82.5°	41.4	42.0	66.9	84.1	107.2	187.7	111.3	81.7	53.9	43.8
85°	25.5	24.9	35.5	45.0	45.0	66.9	53.3	45.0	30.8	27.2
87.5°	10.1	10.1	13.0	14.2	12.4	17.2	13.6	14.8	11.8	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1129.6
1135.6
1144.4
1155.1
1165.2
1175.2
1191.2
1210.8
1233.3
1255.8
1281.2
1316.1
1365.9
1433.4
1518.6
1622.8
1744.8
1879.2
2022.5
2162.8
2310.2
2442.2
2574.9
2725.2
2898.7
3124.3
3329.1
3269.3
2821.2
1785.1
496.1
123.7
66.3
43.8
28.4
11.8
0.0