

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: McGRAW-EDISON

Report Number: P939533

Luminaire Tested: **GALN-SB2A-935-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939533
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2A-935-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6174 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

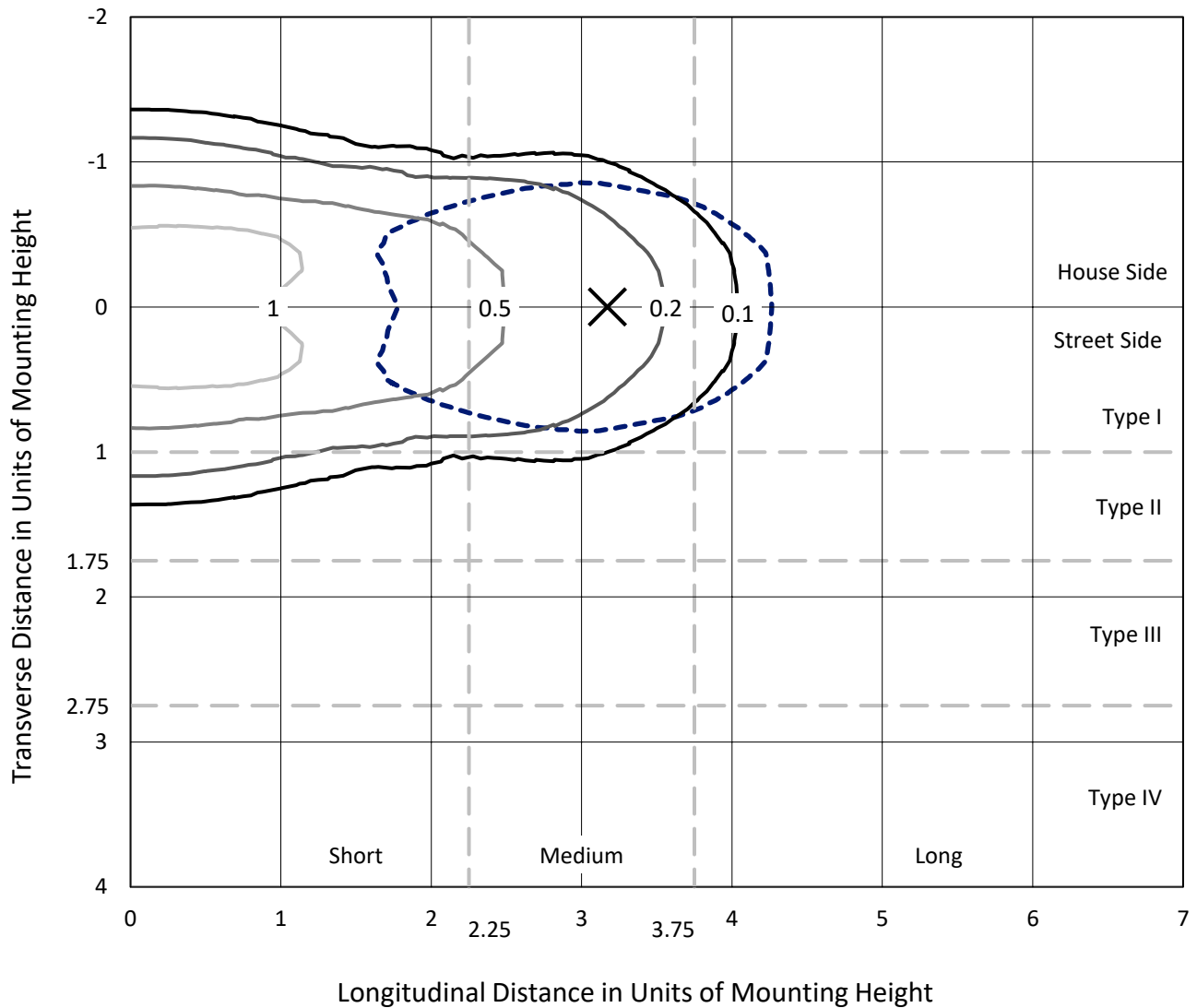
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

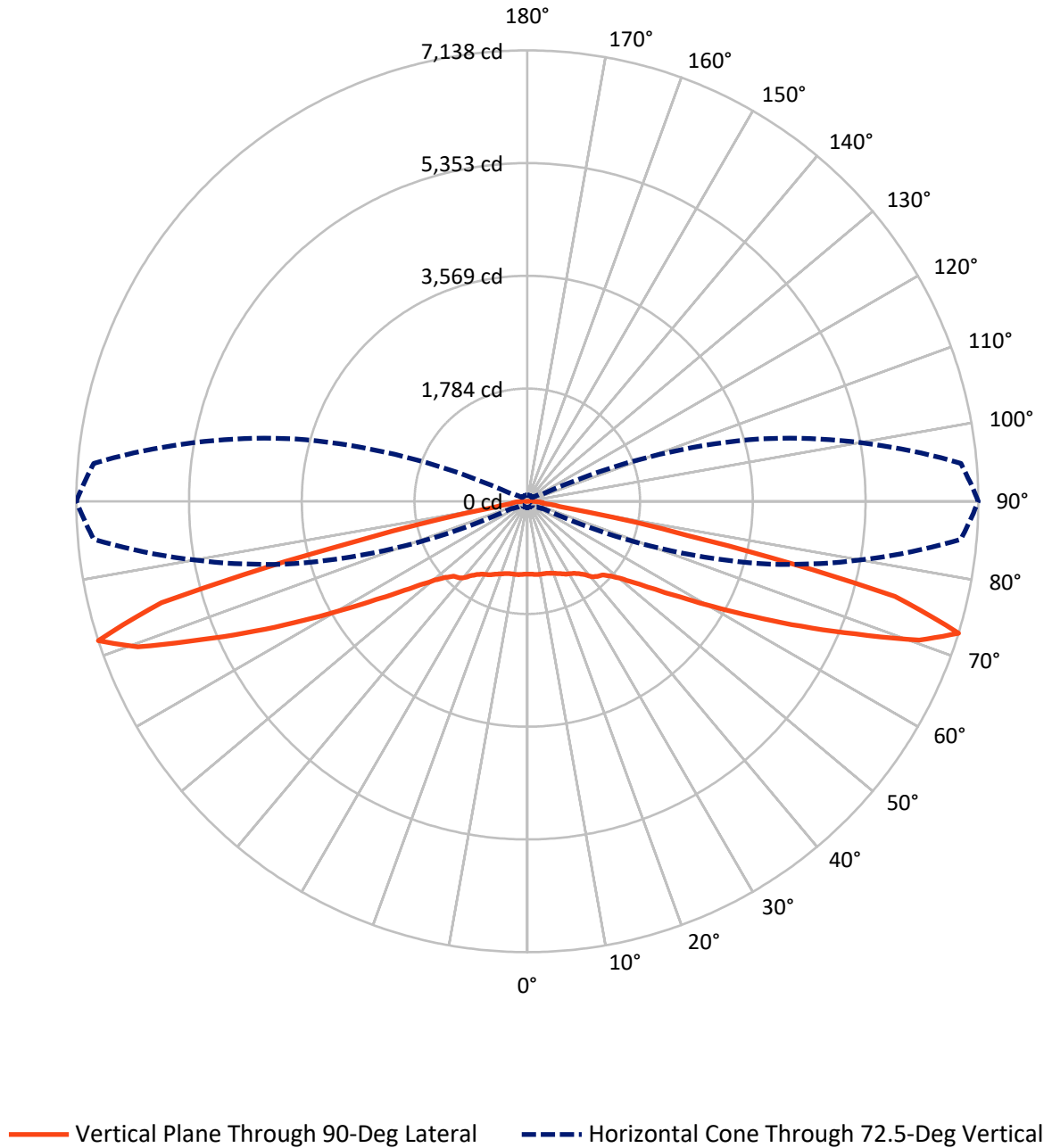
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3087.0 | 0.0 | 3087.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3087.0 | 0.0 | 3087.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 6174.0 | 0.0 | 6174.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 111.9 | 1.8 |
| 10°-20° | 342.0 | 5.5 |
| 20°-30° | 570.3 | 9.2 |
| 30°-40° | 784.4 | 12.7 |
| 40°-50° | 957.9 | 15.5 |
| 50°-60° | 1107.9 | 17.9 |
| 60°-70° | 1321.0 | 21.4 |
| 70°-80° | 922.0 | 14.9 |
| 80°-90° | 56.6 | 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° | 6174.0 | 100.0 |
| 0°-180° | 6174.0 | 100.0 |

Coefficient of Utilization



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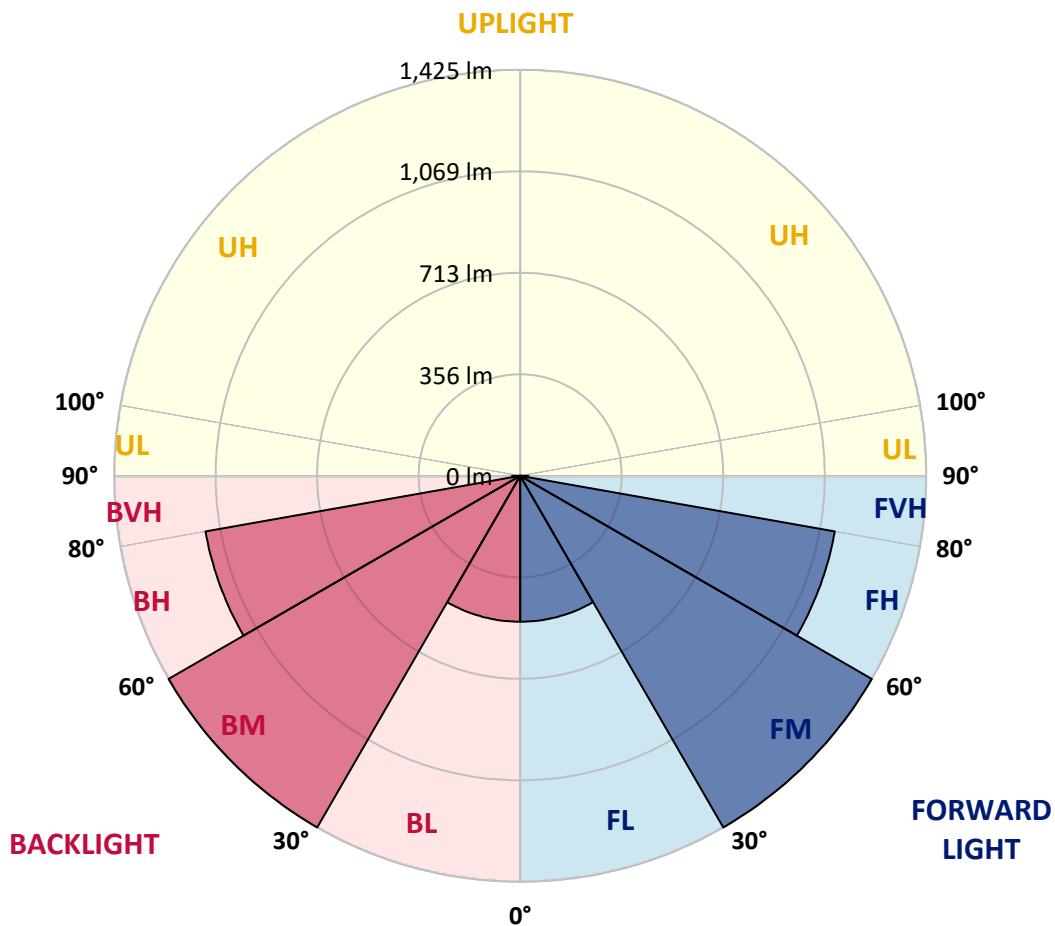
CATALOG NUMBER: GALN-SB2A-935-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 512.1 | 8.3 | | | |
| FM (30°-60°) | 1425.1 | 23.1 | | | |
| FH (60°-80°) | 1121.5 | 18.2 | | | G1/1800 |
| FVH (80°-90°) | 28.3 | 0.5 | | | G1/100 |
| BL (0°-30°) | 512.1 | 8.3 | B2/1000 | | |
| BM (30°-60°) | 1425.1 | 23.1 | B2/2500 | | |
| BH (60°-80°) | 1121.5 | 18.2 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 28.3 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1153.7 | 1153.7 | 1153.7 | 1153.7 | 1153.7 | 1153.7 | 1153.7 | 1153.7 | 1153.7 | 1153.7 |
| 2.5° | 1154.7 | 1156.0 | 1156.0 | 1155.0 | 1157.3 | 1155.3 | 1155.3 | 1154.3 | 1155.3 | 1154.3 |
| 5° | 1160.6 | 1162.2 | 1162.9 | 1162.5 | 1165.5 | 1163.8 | 1163.8 | 1162.5 | 1162.9 | 1161.9 |
| 7.5° | 1171.7 | 1174.0 | 1175.3 | 1177.0 | 1181.2 | 1179.3 | 1178.0 | 1174.0 | 1172.4 | 1169.8 |
| 10° | 1175.3 | 1178.0 | 1182.2 | 1190.8 | 1200.6 | 1200.9 | 1197.0 | 1187.1 | 1179.6 | 1173.7 |
| 12.5° | 1164.2 | 1167.8 | 1176.6 | 1194.0 | 1216.0 | 1224.9 | 1218.6 | 1202.2 | 1187.5 | 1177.0 |
| 15° | 1150.1 | 1154.0 | 1167.5 | 1193.7 | 1226.2 | 1246.9 | 1246.2 | 1224.6 | 1200.9 | 1184.5 |
| 17.5° | 1128.1 | 1132.0 | 1151.4 | 1188.1 | 1234.1 | 1268.2 | 1277.4 | 1255.1 | 1221.9 | 1199.9 |
| 20° | 1088.4 | 1092.0 | 1118.9 | 1170.4 | 1236.7 | 1290.8 | 1314.8 | 1295.1 | 1253.8 | 1223.9 |
| 22.5° | 1036.9 | 1042.4 | 1073.9 | 1139.9 | 1230.5 | 1314.5 | 1357.4 | 1344.0 | 1290.8 | 1249.5 |
| 25° | 981.7 | 987.6 | 1024.4 | 1102.5 | 1214.4 | 1331.5 | 1408.0 | 1399.4 | 1332.8 | 1281.3 |
| 27.5° | 934.2 | 940.4 | 980.4 | 1065.4 | 1189.4 | 1338.1 | 1457.8 | 1462.1 | 1383.7 | 1316.4 |
| 30° | 896.8 | 902.7 | 945.3 | 1035.6 | 1157.3 | 1331.5 | 1501.5 | 1531.0 | 1435.5 | 1346.9 |
| 32.5° | 855.7 | 863.3 | 908.2 | 999.1 | 1119.2 | 1315.8 | 1539.5 | 1605.5 | 1495.6 | 1379.8 |
| 35° | 803.9 | 810.8 | 858.0 | 949.3 | 1069.3 | 1290.5 | 1571.4 | 1688.2 | 1581.5 | 1429.6 |
| 37.5° | 740.9 | 747.5 | 794.4 | 886.9 | 1019.8 | 1255.1 | 1595.7 | 1781.4 | 1683.9 | 1501.5 |
| 40° | 677.6 | 683.8 | 727.8 | 817.4 | 960.4 | 1209.8 | 1604.2 | 1872.6 | 1801.4 | 1600.3 |
| 42.5° | 619.5 | 625.1 | 665.4 | 748.8 | 893.8 | 1152.0 | 1593.0 | 1952.0 | 1906.7 | 1669.2 |
| 45° | 566.0 | 570.9 | 606.7 | 684.5 | 824.6 | 1081.8 | 1559.6 | 2037.3 | 2032.1 | 1718.4 |
| 47.5° | 505.0 | 509.9 | 547.0 | 622.1 | 755.3 | 999.5 | 1502.8 | 2121.3 | 2206.3 | 1829.9 |
| 50° | 430.5 | 434.8 | 472.8 | 550.3 | 683.5 | 911.9 | 1424.0 | 2187.3 | 2426.1 | 1998.9 |
| 52.5° | 342.2 | 346.8 | 383.9 | 461.3 | 598.2 | 817.7 | 1320.4 | 2230.2 | 2680.1 | 2245.7 |
| 55° | 254.6 | 257.9 | 290.1 | 359.6 | 492.5 | 710.4 | 1190.4 | 2242.4 | 2968.2 | 2583.0 |
| 57.5° | 184.7 | 186.7 | 207.4 | 259.2 | 373.4 | 576.2 | 1032.6 | 2210.9 | 3311.1 | 3015.4 |
| 60° | 149.6 | 150.3 | 156.5 | 179.5 | 259.5 | 424.6 | 842.0 | 2102.6 | 3683.2 | 3572.9 |
| 62.5° | 135.8 | 135.8 | 137.5 | 143.7 | 175.5 | 280.2 | 611.3 | 1878.2 | 4082.2 | 4277.4 |
| 65° | 126.3 | 126.3 | 127.0 | 129.9 | 138.5 | 178.5 | 385.9 | 1512.6 | 4418.5 | 5102.6 |
| 67.5° | 117.8 | 118.1 | 117.8 | 118.8 | 123.7 | 131.9 | 223.8 | 1044.7 | 4599.6 | 5957.7 |
| 70° | 108.9 | 109.6 | 108.0 | 108.0 | 111.9 | 112.2 | 140.1 | 572.9 | 4449.3 | 6674.3 |
| 72.5° | 98.4 | 99.4 | 96.8 | 96.1 | 99.1 | 97.8 | 105.3 | 275.0 | 3820.0 | 6888.3 |
| 75° | 89.2 | 90.6 | 84.7 | 83.0 | 83.0 | 82.0 | 85.6 | 141.1 | 2479.3 | 5619.1 |
| 77.5° | 81.0 | 83.7 | 74.2 | 68.9 | 67.6 | 64.6 | 69.9 | 86.3 | 1084.4 | 2638.1 |
| 80° | 66.9 | 70.5 | 61.0 | 54.8 | 52.5 | 49.2 | 55.1 | 60.4 | 322.5 | 612.6 |
| 82.5° | 49.9 | 51.5 | 43.3 | 39.0 | 37.1 | 34.8 | 41.3 | 42.0 | 105.0 | 216.9 |
| 85° | 31.8 | 32.5 | 26.6 | 23.0 | 22.0 | 21.0 | 26.2 | 23.0 | 40.0 | 159.5 |
| 87.5° | 11.2 | 12.8 | 10.2 | 9.2 | 9.8 | 8.2 | 12.1 | 6.9 | 11.2 | 112.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

90°

1153.7
1154.3
1161.9
1169.8
1172.7
1175.3
1181.9
1196.3
1218.3
1241.9
1270.8
1305.3
1330.9
1359.4
1407.0
1471.3
1568.1
1627.8
1662.6
1765.6
1918.2
2146.2
2458.6
2858.9
3375.7
4013.3
4768.6
5597.1
6579.5
7137.6
6010.2
2583.3
586.7
245.1
231.7
139.5
0.0

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