

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: P940213

Luminaire Tested: **GALN-SB3A-935-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940213  
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-SB3A-935-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 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: 9262 lumens  
Efficiency: N/A  
Efficacy: 109.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G3

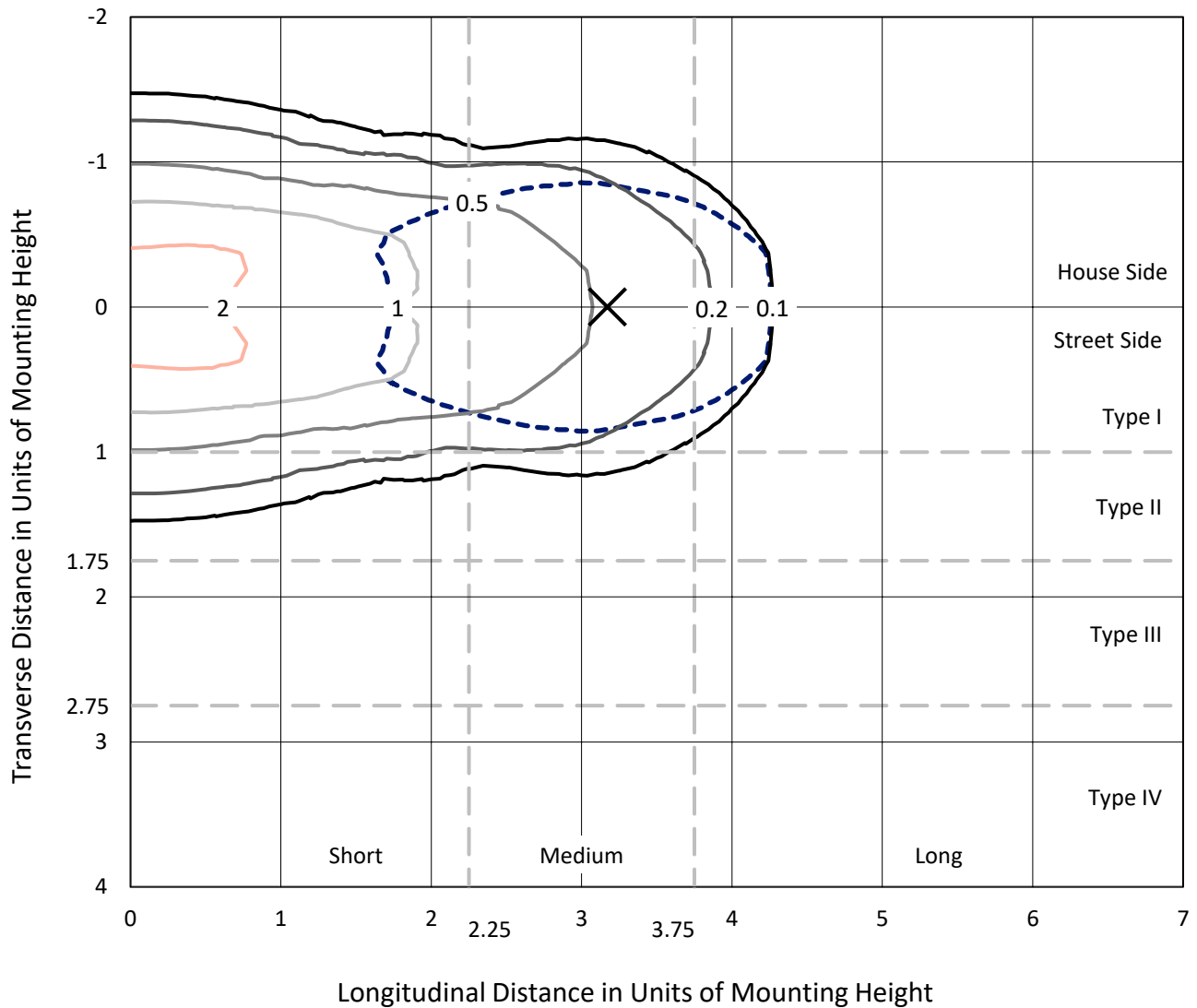
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

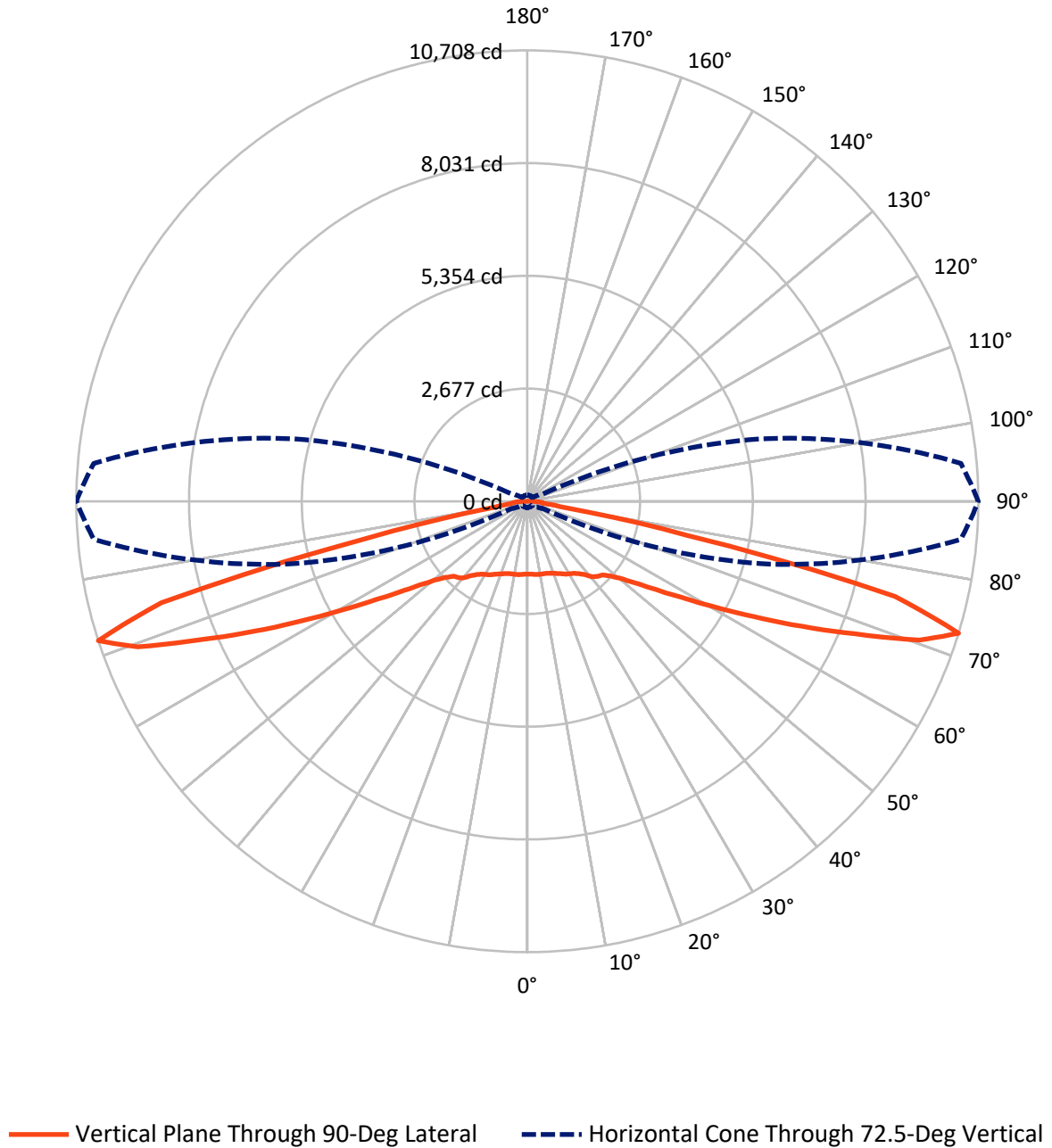
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 4631.0   | 0.0    | 4631.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 4631.0   | 0.0    | 4631.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 9262.0   | 0.0    | 9262.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 167.8  | 1.8       |
| 10°-20°   | 513.1  | 5.5       |
| 20°-30°   | 855.6  | 9.2       |
| 30°-40°   | 1176.7 | 12.7      |
| 40°-50°   | 1437.0 | 15.5      |
| 50°-60°   | 1662.1 | 17.9      |
| 60°-70°   | 1981.7 | 21.4      |
| 70°-80°   | 1383.1 | 14.9      |
| 80°-90°   | 85.0   | 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°    | 9262.0 | 100.0     |
| 0°-180°   | 9262.0 | 100.0     |

**Coefficient of Utilization**



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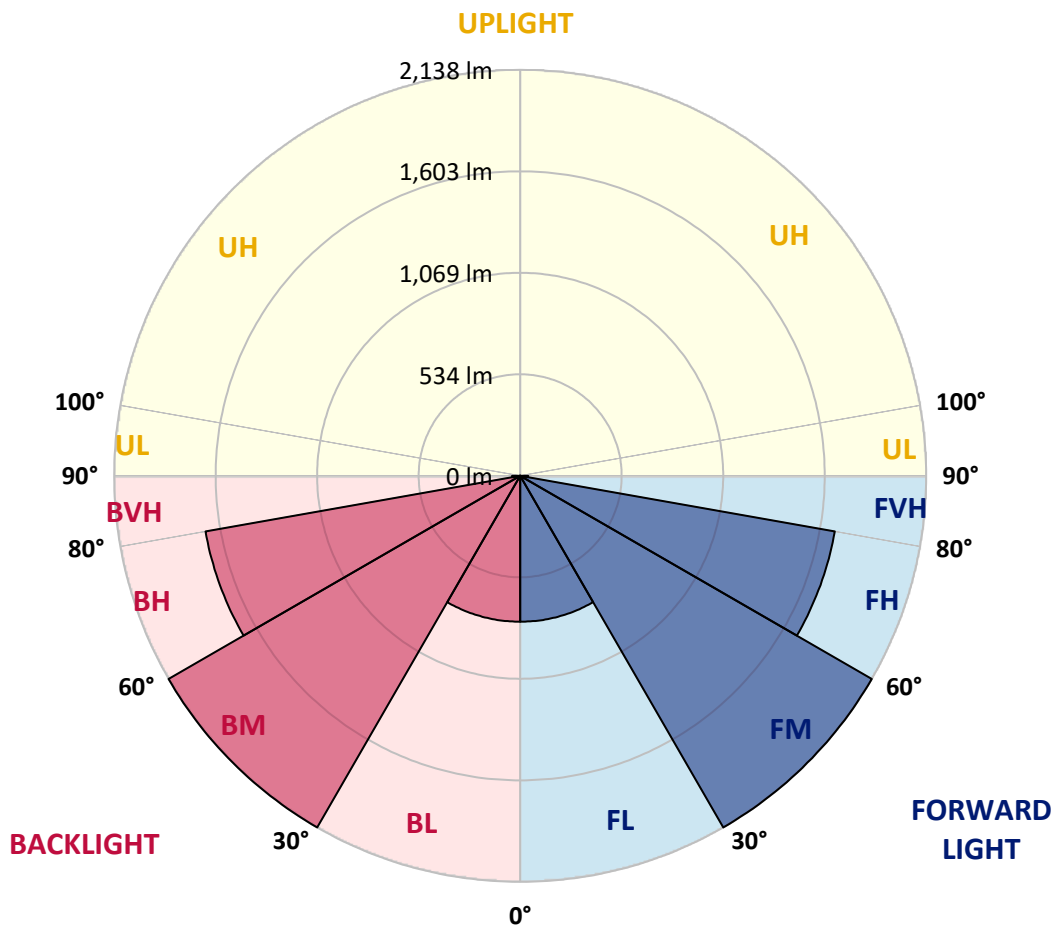
CATALOG NUMBER: GALN-SB3A-935-U-T1

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 768.2  | 8.3       |                         |      |         |
| FM (30°-60°)   | 2137.9 | 23.1      |                         |      |         |
| FH (60°-80°)   | 1682.4 | 18.2      |                         |      | G1/1800 |
| FVH (80°-90°)  | 42.5   | 0.5       |                         |      | G1/100  |
| BL (0°-30°)    | 768.2  | 8.3       | B2/1000                 |      |         |
| BM (30°-60°)   | 2137.9 | 23.1      | B2/2500                 |      |         |
| BH (60°-80°)   | 1682.4 | 18.2      | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 42.5   | 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°    | 1730.7 | 1730.7 | 1730.7 | 1730.7 | 1730.7 | 1730.7 | 1730.7 | 1730.7 | 1730.7 | 1730.7  |
| 2.5°  | 1732.2 | 1734.1 | 1734.1 | 1732.7 | 1736.1 | 1733.2 | 1733.2 | 1731.7 | 1733.2 | 1731.7  |
| 5°    | 1741.0 | 1743.5 | 1744.5 | 1744.0 | 1748.4 | 1746.0 | 1746.0 | 1744.0 | 1744.5 | 1743.0  |
| 7.5°  | 1757.8 | 1761.2 | 1763.2 | 1765.7 | 1772.1 | 1769.1 | 1767.1 | 1761.2 | 1758.8 | 1754.8  |
| 10°   | 1763.2 | 1767.1 | 1773.5 | 1786.3 | 1801.1 | 1801.6 | 1795.7 | 1780.9 | 1769.6 | 1760.7  |
| 12.5° | 1746.5 | 1751.9 | 1765.2 | 1791.2 | 1824.2 | 1837.5 | 1828.2 | 1803.6 | 1781.4 | 1765.7  |
| 15°   | 1725.3 | 1731.2 | 1751.4 | 1790.8 | 1839.5 | 1870.5 | 1869.5 | 1837.0 | 1801.6 | 1777.0  |
| 17.5° | 1692.3 | 1698.2 | 1727.3 | 1782.4 | 1851.3 | 1902.5 | 1916.3 | 1882.8 | 1833.1 | 1800.1  |
| 20°   | 1632.7 | 1638.2 | 1678.5 | 1755.8 | 1855.2 | 1936.5 | 1972.4 | 1942.9 | 1880.8 | 1836.0  |
| 22.5° | 1555.5 | 1563.8 | 1611.1 | 1710.0 | 1845.9 | 1971.9 | 2036.4 | 2016.2 | 1936.5 | 1874.4  |
| 25°   | 1472.8 | 1481.6 | 1536.8 | 1653.9 | 1821.8 | 1997.5 | 2112.2 | 2099.4 | 1999.5 | 1922.2  |
| 27.5° | 1401.4 | 1410.7 | 1470.8 | 1598.3 | 1784.4 | 2007.3 | 2187.0 | 2193.4 | 2075.8 | 1974.9  |
| 30°   | 1345.3 | 1354.1 | 1418.1 | 1553.5 | 1736.1 | 1997.5 | 2252.5 | 2296.8 | 2153.5 | 2020.6  |
| 32.5° | 1283.8 | 1295.1 | 1362.5 | 1498.9 | 1679.0 | 1973.9 | 2309.6 | 2408.5 | 2243.6 | 2069.9  |
| 35°   | 1206.0 | 1216.3 | 1287.2 | 1424.0 | 1604.2 | 1936.0 | 2357.3 | 2532.6 | 2372.6 | 2144.7  |
| 37.5° | 1111.5 | 1121.3 | 1191.7 | 1330.5 | 1529.9 | 1882.8 | 2393.7 | 2672.4 | 2526.2 | 2252.5  |
| 40°   | 1016.5 | 1025.8 | 1091.8 | 1226.2 | 1440.8 | 1814.9 | 2406.5 | 2809.2 | 2702.4 | 2400.6  |
| 42.5° | 929.3  | 937.7  | 998.3  | 1123.3 | 1340.9 | 1728.2 | 2389.8 | 2928.3 | 2860.4 | 2504.0  |
| 45°   | 849.1  | 856.5  | 910.1  | 1026.8 | 1237.0 | 1622.9 | 2339.6 | 3056.3 | 3048.4 | 2577.8  |
| 47.5° | 757.6  | 764.9  | 820.6  | 933.3  | 1133.1 | 1499.4 | 2254.4 | 3182.3 | 3309.8 | 2745.2  |
| 50°   | 645.8  | 652.2  | 709.3  | 825.5  | 1025.3 | 1367.9 | 2136.3 | 3281.2 | 3639.6 | 2998.7  |
| 52.5° | 513.4  | 520.3  | 575.9  | 692.1  | 897.3  | 1226.7 | 1980.8 | 3345.7 | 4020.6 | 3368.9  |
| 55°   | 382.0  | 386.9  | 435.1  | 539.5  | 738.8  | 1065.7 | 1785.8 | 3363.9 | 4452.8 | 3874.9  |
| 57.5° | 277.1  | 280.1  | 311.1  | 388.9  | 560.2  | 864.4  | 1549.1 | 3316.7 | 4967.2 | 4523.7  |
| 60°   | 224.5  | 225.4  | 234.8  | 269.3  | 389.4  | 637.0  | 1263.1 | 3154.2 | 5525.4 | 5360.0  |
| 62.5° | 203.8  | 203.8  | 206.2  | 215.6  | 263.3  | 420.4  | 917.0  | 2817.6 | 6123.9 | 6416.8  |
| 65°   | 189.5  | 189.5  | 190.5  | 194.9  | 207.7  | 267.8  | 578.9  | 2269.2 | 6628.5 | 7654.8  |
| 67.5° | 176.7  | 177.2  | 176.7  | 178.2  | 185.6  | 197.9  | 335.7  | 1567.3 | 6900.2 | 8937.5  |
| 70°   | 163.4  | 164.4  | 161.9  | 161.9  | 167.9  | 168.3  | 210.2  | 859.4  | 6674.7 | 10012.6 |
| 72.5° | 147.7  | 149.1  | 145.2  | 144.2  | 148.7  | 146.7  | 158.0  | 412.5  | 5730.6 | 10333.5 |
| 75°   | 133.9  | 135.9  | 127.0  | 124.5  | 124.5  | 123.1  | 128.5  | 211.7  | 3719.3 | 8429.5  |
| 77.5° | 121.6  | 125.5  | 111.2  | 103.4  | 101.4  | 97.0   | 104.8  | 129.5  | 1626.8 | 3957.6  |
| 80°   | 100.4  | 105.8  | 91.6   | 82.2   | 78.8   | 73.8   | 82.7   | 90.6   | 483.9  | 919.0   |
| 82.5° | 74.8   | 77.3   | 65.0   | 58.6   | 55.6   | 52.2   | 62.0   | 63.0   | 157.5  | 325.4   |
| 85°   | 47.7   | 48.7   | 39.9   | 34.5   | 33.0   | 31.5   | 39.4   | 34.5   | 60.1   | 239.2   |
| 87.5° | 16.7   | 19.2   | 15.3   | 13.8   | 14.8   | 12.3   | 18.2   | 10.3   | 16.7   | 168.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |

(END C

90°

1730.7  
1731.7  
1743.0  
1754.8  
1759.3  
1763.2  
1773.0  
1794.7  
1827.7  
1863.1  
1906.4  
1958.1  
1996.5  
2039.3  
2110.7  
2207.2  
2352.4  
2442.0  
2494.2  
2648.7  
2877.6  
3219.7  
3688.3  
4288.9  
5064.1  
6020.5  
7153.7  
8396.6  
9870.3  
10707.6  
9016.3  
3875.4  
880.1  
367.7  
347.5  
209.2  
0.0

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