

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: P948383

Luminaire Tested: **GALN-SB3B-950-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948383
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: MCGRAW-EDISON
Catalog Number: GALN-SB3B-950-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12103 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

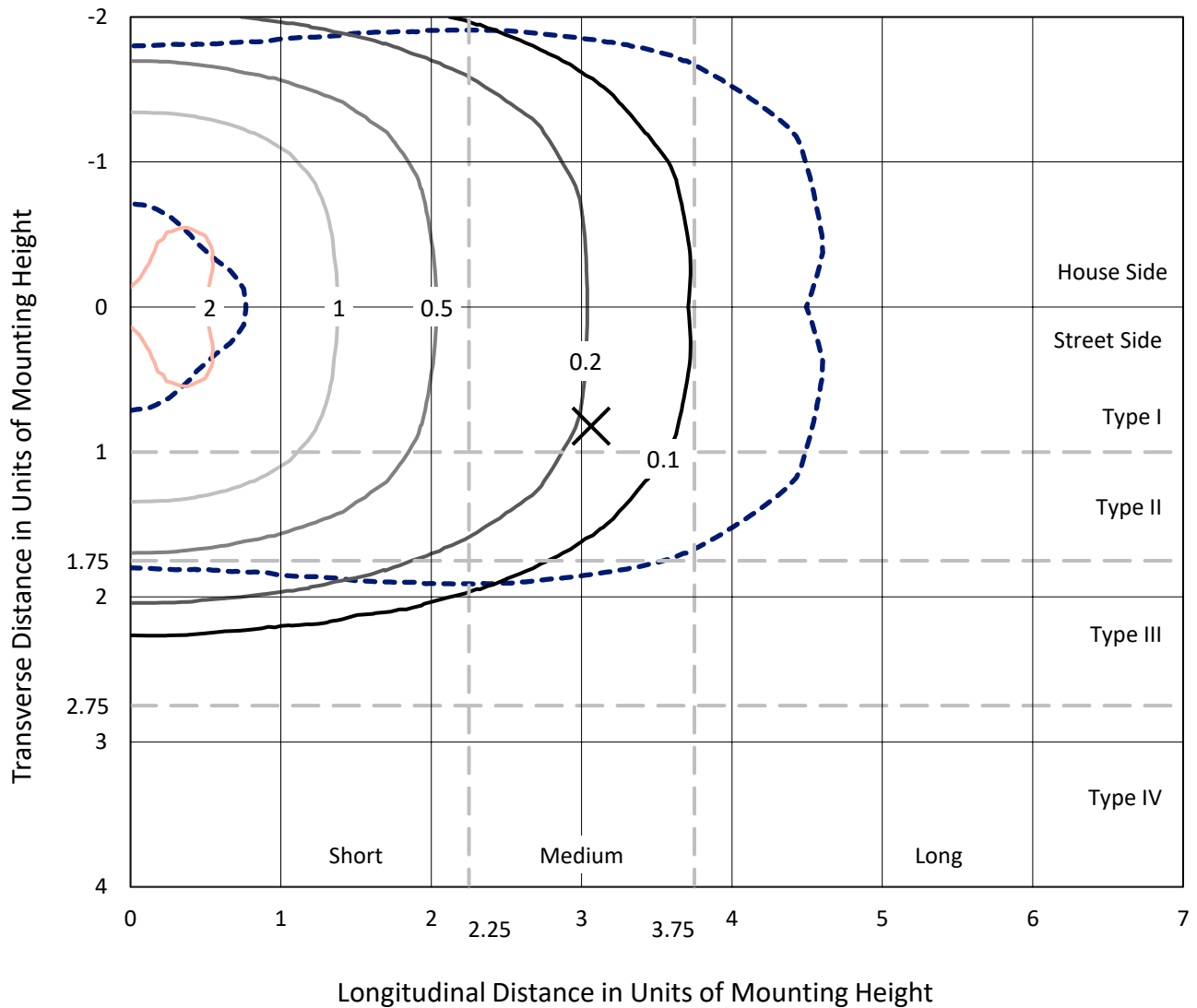
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

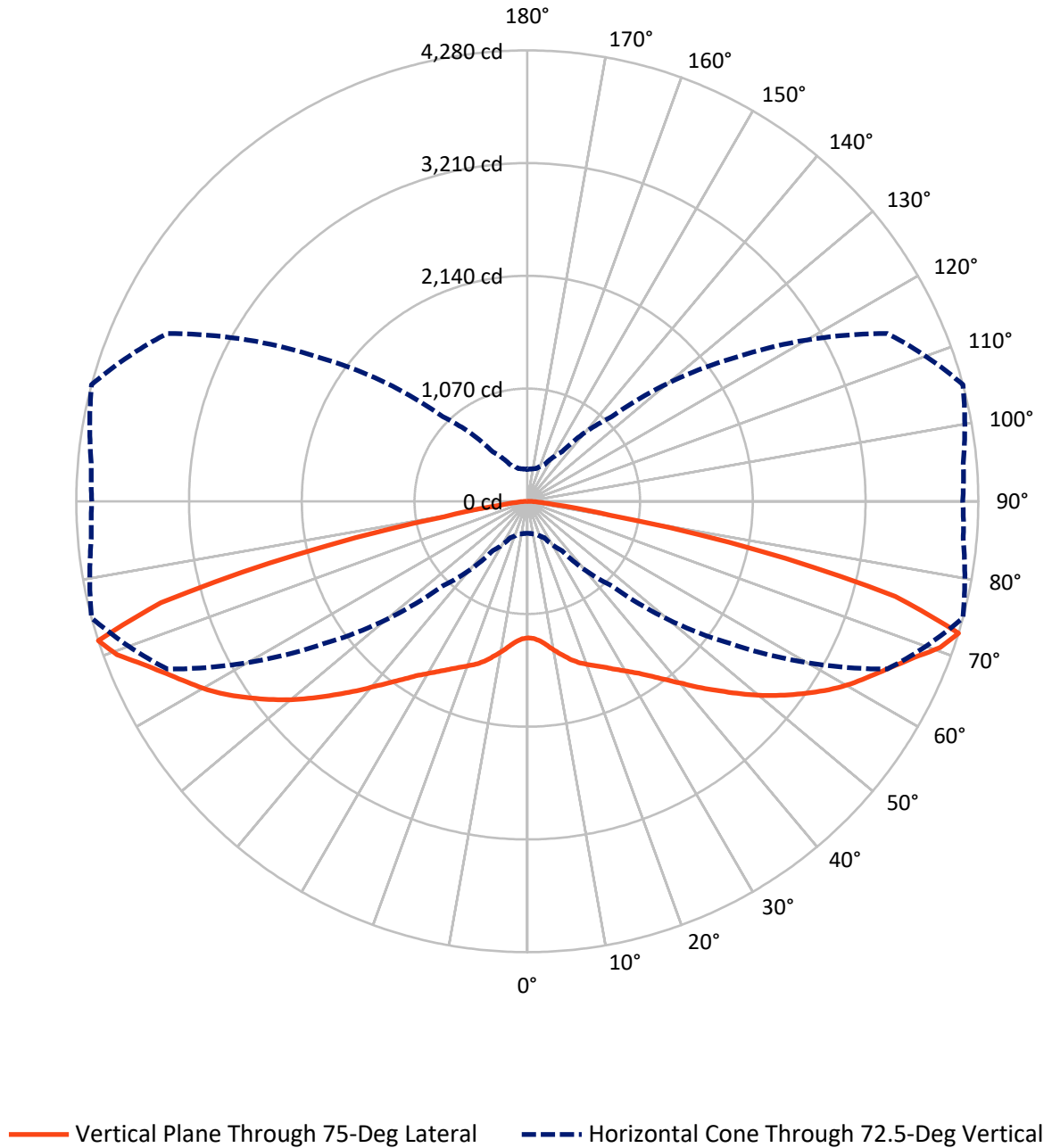
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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 | 6051.5 | 0.0 | 6051.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 6051.5 | 0.0 | 6051.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 12103.0 | 0.0 | 12103.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 127.0 | 1.0 |
| 10°-20° | 418.9 | 3.5 |
| 20°-30° | 809.4 | 6.7 |
| 30°-40° | 1366.7 | 11.3 |
| 40°-50° | 2167.4 | 17.9 |
| 50°-60° | 2901.9 | 24.0 |
| 60°-70° | 2761.7 | 22.8 |
| 70°-80° | 1441.1 | 11.9 |
| 80°-90° | 109.1 | 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° | 12103.0 | 100.0 |
| 0°-180° | 12103.0 | 100.0 |

Coefficient of Utilization



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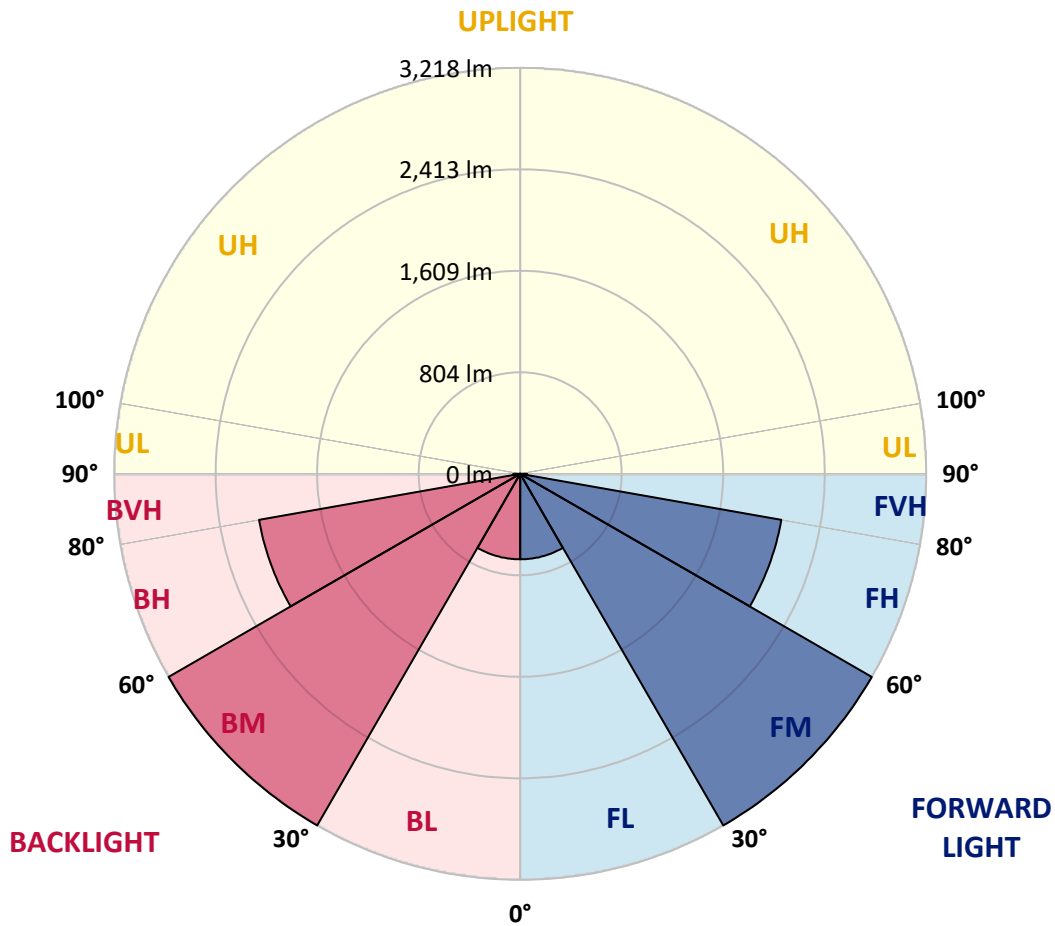
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 677.6 | 5.6 | | | |
| FM (30°-60°) | 3218.0 | 26.6 | | | |
| FH (60°-80°) | 2101.4 | 17.4 | | | G2/5000 |
| FVH (80°-90°) | 54.5 | 0.5 | | | G1/100 |
| BL (0°-30°) | 677.6 | 5.6 | B2/1000 | | |
| BM (30°-60°) | 3218.0 | 26.6 | B3/5000 | | |
| BH (60°-80°) | 2101.4 | 17.4 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 54.5 | 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 III Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1296.4 | 1296.4 | 1296.4 | 1296.4 | 1296.4 | 1296.4 | 1296.4 | 1296.4 | 1296.4 | 1296.4 |
| 2.5° | 1296.4 | 1295.2 | 1296.4 | 1297.7 | 1297.1 | 1297.1 | 1300.2 | 1302.0 | 1305.7 | 1305.1 |
| 5° | 1287.8 | 1287.2 | 1292.1 | 1297.7 | 1302.0 | 1309.4 | 1318.7 | 1325.5 | 1334.1 | 1336.0 |
| 7.5° | 1283.5 | 1281.6 | 1290.3 | 1300.2 | 1313.8 | 1332.3 | 1350.2 | 1368.7 | 1383.6 | 1388.5 |
| 10° | 1286.6 | 1287.2 | 1298.9 | 1317.5 | 1339.1 | 1365.0 | 1390.4 | 1421.9 | 1442.9 | 1447.8 |
| 12.5° | 1300.8 | 1299.5 | 1319.3 | 1349.0 | 1378.6 | 1411.4 | 1441.0 | 1475.7 | 1498.5 | 1510.3 |
| 15° | 1326.7 | 1324.3 | 1352.1 | 1395.9 | 1439.2 | 1477.5 | 1501.6 | 1534.4 | 1560.9 | 1575.8 |
| 17.5° | 1357.6 | 1358.9 | 1395.3 | 1452.2 | 1509.0 | 1552.3 | 1575.1 | 1591.8 | 1612.2 | 1625.2 |
| 20° | 1412.0 | 1414.5 | 1455.3 | 1522.6 | 1587.5 | 1636.9 | 1655.5 | 1649.3 | 1654.9 | 1664.7 |
| 22.5° | 1484.9 | 1486.2 | 1531.9 | 1604.8 | 1672.8 | 1727.2 | 1739.5 | 1714.2 | 1698.7 | 1705.5 |
| 25° | 1569.6 | 1577.6 | 1623.3 | 1698.1 | 1767.9 | 1819.8 | 1825.4 | 1787.1 | 1748.8 | 1750.6 |
| 27.5° | 1672.8 | 1680.2 | 1726.5 | 1800.7 | 1871.8 | 1916.9 | 1916.2 | 1865.0 | 1808.7 | 1794.5 |
| 30° | 1784.6 | 1792.7 | 1840.2 | 1916.9 | 1983.0 | 2022.5 | 2013.9 | 1952.7 | 1872.4 | 1845.8 |
| 32.5° | 1917.5 | 1922.4 | 1970.6 | 2047.3 | 2108.4 | 2139.9 | 2122.0 | 2046.6 | 1946.5 | 1916.2 |
| 35° | 2078.1 | 2085.6 | 2121.4 | 2193.7 | 2247.5 | 2273.4 | 2243.1 | 2154.2 | 2041.7 | 2007.7 |
| 37.5° | 2261.7 | 2256.7 | 2297.5 | 2361.8 | 2406.3 | 2422.3 | 2380.9 | 2275.3 | 2150.4 | 2110.3 |
| 40° | 2453.2 | 2450.8 | 2495.3 | 2557.1 | 2581.2 | 2591.0 | 2529.9 | 2414.3 | 2275.9 | 2232.6 |
| 42.5° | 2626.9 | 2625.0 | 2685.0 | 2753.6 | 2782.6 | 2771.5 | 2694.2 | 2562.0 | 2421.1 | 2371.7 |
| 45° | 2765.9 | 2763.4 | 2837.0 | 2933.4 | 2990.2 | 2971.7 | 2867.9 | 2725.1 | 2568.2 | 2516.9 |
| 47.5° | 2872.8 | 2874.1 | 2953.2 | 3072.4 | 3171.9 | 3178.7 | 3045.2 | 2891.4 | 2730.1 | 2672.0 |
| 50° | 2950.1 | 2953.8 | 3038.4 | 3170.7 | 3306.6 | 3366.6 | 3226.3 | 3061.9 | 2897.5 | 2832.0 |
| 52.5° | 2969.2 | 2976.0 | 3078.0 | 3233.1 | 3393.1 | 3507.5 | 3410.4 | 3225.7 | 3056.4 | 2993.9 |
| 55° | 2867.3 | 2880.9 | 3010.0 | 3228.1 | 3446.3 | 3600.1 | 3572.3 | 3391.9 | 3216.4 | 3152.1 |
| 57.5° | 2633.1 | 2652.2 | 2803.0 | 3087.9 | 3434.5 | 3663.8 | 3697.8 | 3551.3 | 3376.4 | 3314.7 |
| 60° | 2304.9 | 2327.8 | 2472.4 | 2783.2 | 3268.9 | 3687.3 | 3786.1 | 3706.4 | 3523.5 | 3463.6 |
| 62.5° | 1810.0 | 1839.6 | 2012.6 | 2377.2 | 2919.2 | 3577.9 | 3861.5 | 3846.7 | 3655.8 | 3581.0 |
| 65° | 1161.1 | 1192.6 | 1374.9 | 1805.6 | 2452.6 | 3243.0 | 3885.0 | 3983.3 | 3795.4 | 3691.0 |
| 67.5° | 700.1 | 714.3 | 804.6 | 1094.4 | 1792.7 | 2738.1 | 3686.0 | 4134.7 | 3958.6 | 3828.8 |
| 70° | 448.0 | 456.0 | 509.8 | 642.7 | 1013.4 | 1997.8 | 3192.9 | 4163.1 | 4156.3 | 3970.3 |
| 72.5° | 304.0 | 306.5 | 320.7 | 380.7 | 573.5 | 1135.2 | 2355.0 | 3768.8 | 4279.9 | 4152.6 |
| 75° | 222.5 | 236.1 | 258.9 | 269.4 | 325.7 | 567.3 | 1349.6 | 2647.9 | 3606.9 | 3662.6 |
| 77.5° | 165.6 | 166.2 | 197.7 | 210.1 | 232.3 | 302.2 | 571.0 | 1478.1 | 2239.4 | 2351.3 |
| 80° | 140.3 | 132.9 | 132.2 | 169.3 | 174.9 | 188.5 | 255.2 | 510.4 | 802.1 | 486.3 |
| 82.5° | 116.8 | 108.8 | 98.3 | 132.2 | 119.3 | 115.6 | 110.6 | 207.6 | 255.2 | 125.4 |
| 85° | 81.6 | 77.9 | 74.2 | 86.5 | 68.0 | 58.1 | 53.1 | 97.0 | 107.5 | 53.1 |
| 87.5° | 35.2 | 36.5 | 37.1 | 38.3 | 28.4 | 20.4 | 20.4 | 27.2 | 27.2 | 21.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

| 90° |
|--------|
| 1296.4 |
| 1304.5 |
| 1336.0 |
| 1389.8 |
| 1452.8 |
| 1515.2 |
| 1581.3 |
| 1631.4 |
| 1672.2 |
| 1710.5 |
| 1753.7 |
| 1798.8 |
| 1848.9 |
| 1923.7 |
| 2012.6 |
| 2117.7 |
| 2246.8 |
| 2384.0 |
| 2528.6 |
| 2689.3 |
| 2851.8 |
| 3010.0 |
| 3170.1 |
| 3328.9 |
| 3476.6 |
| 3589.6 |
| 3704.0 |
| 3838.7 |
| 3969.1 |
| 4132.8 |
| 3527.8 |
| 2097.3 |
| 367.7 |
| 106.9 |
| 47.0 |
| 15.4 |
| 0.0 |

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