

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: INVUE

Report Number: P672917

Luminaire Tested: **CCP-SA-2E-850-U-RW**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672917
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-850-U-RW
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ RW distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

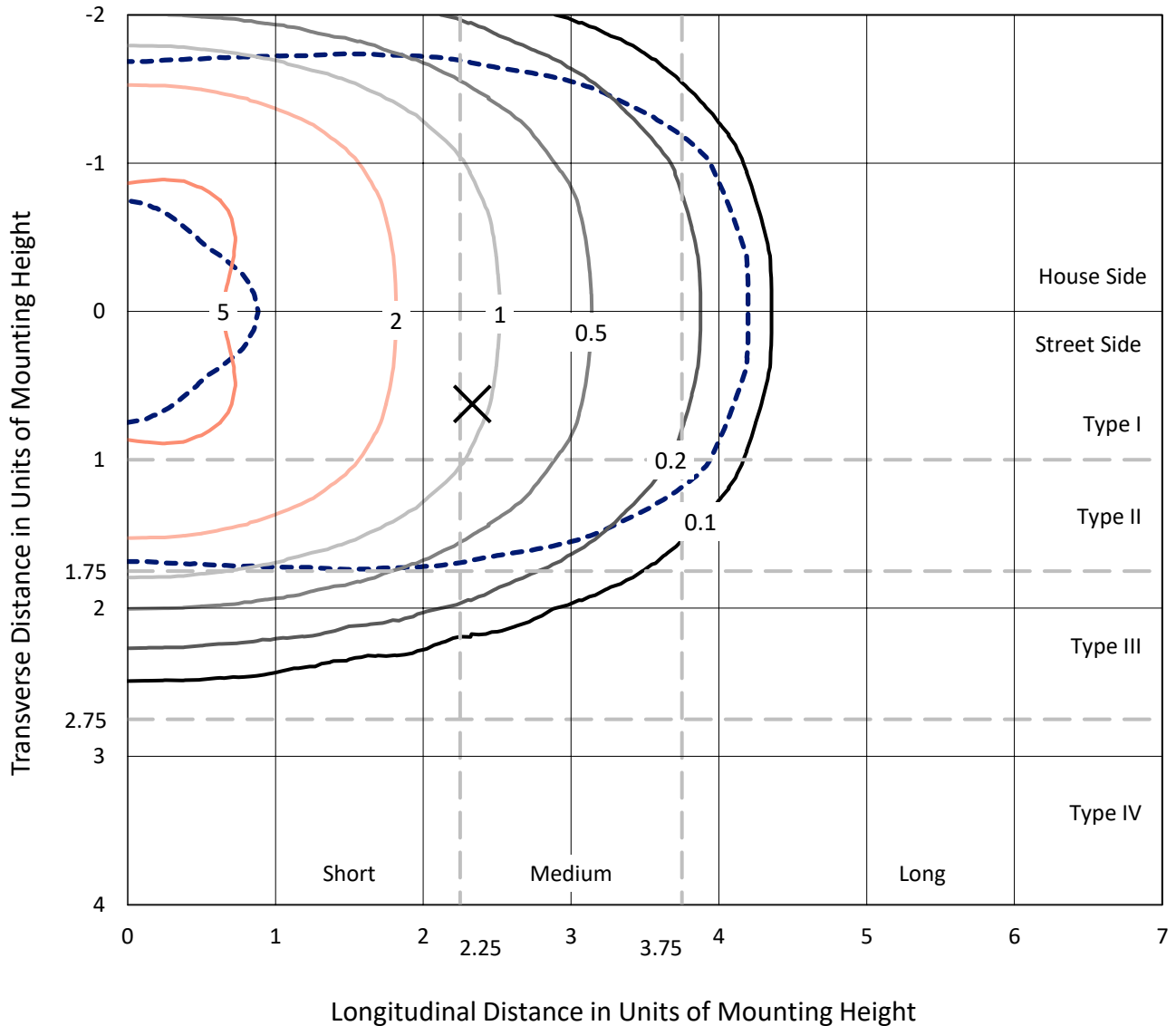
Lumens per Lamp: N/A
Luminaire Lumens: 12136.8 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 106.6
Input Voltage (V): 120
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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

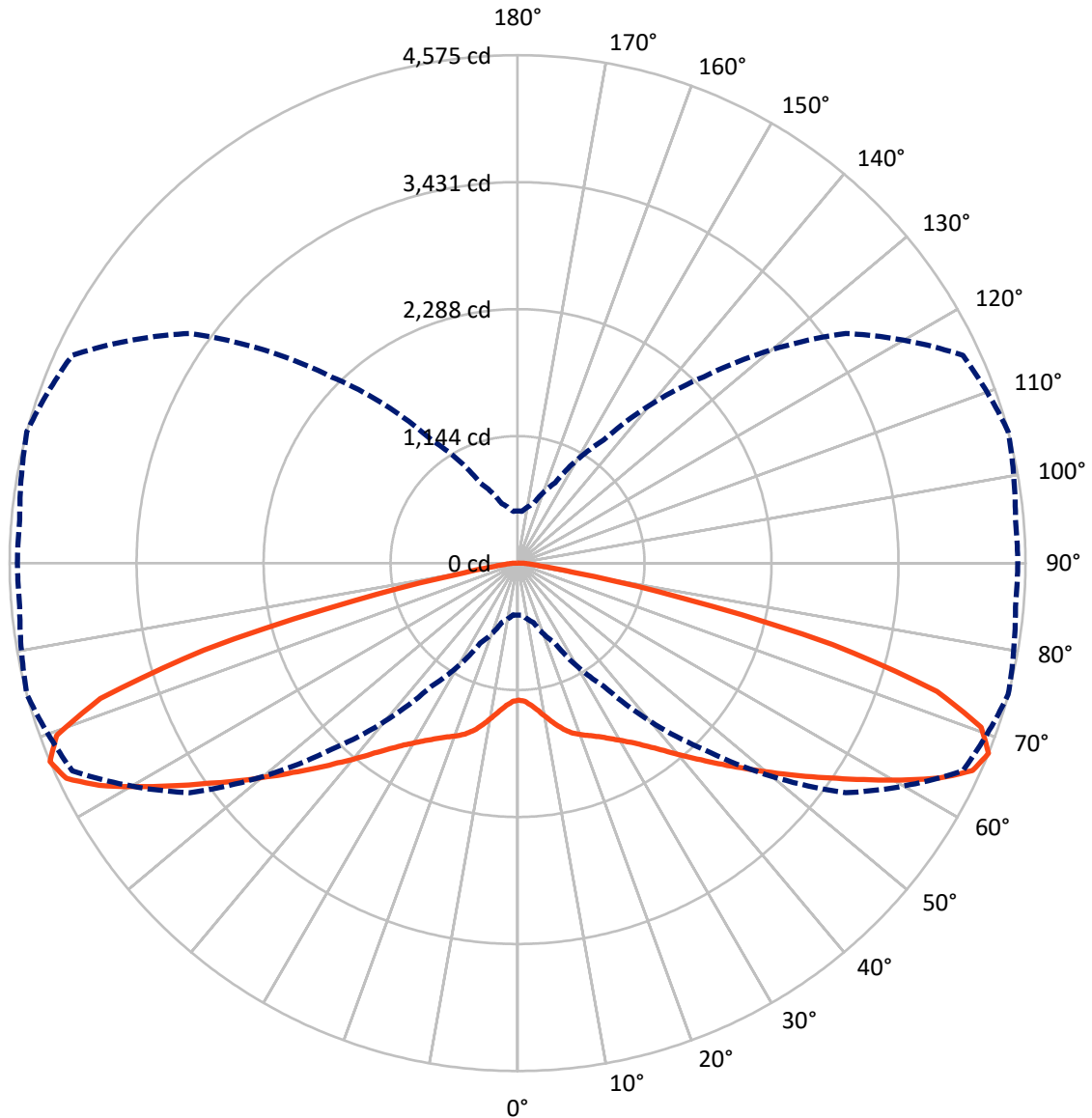
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6068.4 | 0.0 | 6068.4 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 6068.4 | 0.0 | 6068.4 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 12136.8 | 0.0 | 12136.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 122.2 | 1.0 |
| 10°-20° | 411.7 | 3.4 |
| 20°-30° | 803.9 | 6.6 |
| 30°-40° | 1386.8 | 11.4 |
| 40°-50° | 2246.5 | 18.5 |
| 50°-60° | 3055.2 | 25.2 |
| 60°-70° | 2818.5 | 23.2 |
| 70°-80° | 1179.4 | 9.7 |
| 80°-90° | 112.6 | 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° | 12136.8 | 100.0 |
| 0°-180° | 12136.8 | 100.0 |



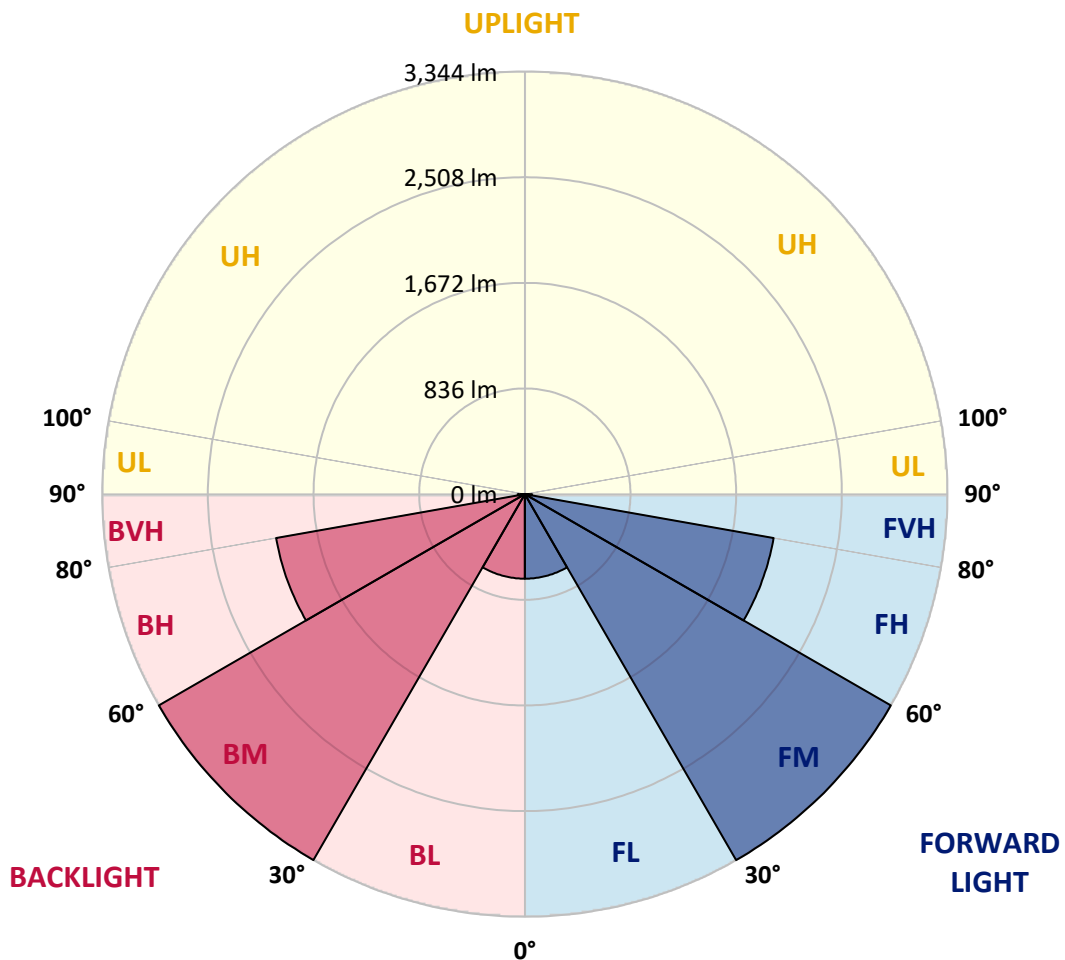
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 668.9 | 5.5 | | | |
| FM (30°-60°) | 3344.2 | 27.6 | | | |
| FH (60°-80°) | 1999.0 | 16.5 | | | G2/5000 |
| FVH (80°-90°) | 56.3 | 0.5 | | | G1/100 |
| BL (0°-30°) | 668.9 | 5.5 | B2/1000 | | |
| BM (30°-60°) | 3344.2 | 27.6 | B3/5000 | | |
| BH (60°-80°) | 1999.0 | 16.5 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 56.3 | 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 II Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1234.7 | 1234.7 | 1234.7 | 1234.7 | 1234.7 | 1234.7 | 1234.7 | 1234.7 | 1234.7 | 1234.7 | 1234.7 |
| 2.5° | 1226.9 | 1226.9 | 1230.4 | 1234.7 | 1236.5 | 1240.0 | 1240.8 | 1240.8 | 1246.1 | 1245.2 | 1246.1 |
| 5° | 1223.4 | 1223.4 | 1229.5 | 1237.4 | 1246.1 | 1256.5 | 1267.0 | 1273.1 | 1286.2 | 1288.8 | 1289.7 |
| 7.5° | 1226.9 | 1227.8 | 1236.5 | 1249.6 | 1264.4 | 1283.6 | 1303.7 | 1320.2 | 1342.1 | 1349.9 | 1355.2 |
| 10° | 1240.0 | 1240.8 | 1252.2 | 1270.5 | 1293.2 | 1321.1 | 1349.9 | 1376.1 | 1411.0 | 1426.7 | 1429.3 |
| 12.5° | 1260.0 | 1260.9 | 1277.5 | 1307.2 | 1339.4 | 1374.4 | 1406.6 | 1439.8 | 1483.4 | 1507.0 | 1512.2 |
| 15° | 1290.6 | 1288.0 | 1314.1 | 1357.8 | 1403.1 | 1446.8 | 1475.6 | 1507.9 | 1554.1 | 1584.6 | 1592.5 |
| 17.5° | 1332.5 | 1334.2 | 1366.5 | 1422.3 | 1478.2 | 1522.7 | 1551.5 | 1569.8 | 1610.0 | 1641.4 | 1649.2 |
| 20° | 1384.8 | 1392.7 | 1433.7 | 1498.3 | 1563.7 | 1610.8 | 1630.9 | 1628.3 | 1651.0 | 1678.0 | 1684.1 |
| 22.5° | 1459.0 | 1464.2 | 1514.0 | 1586.4 | 1661.4 | 1710.3 | 1718.2 | 1689.4 | 1688.5 | 1705.9 | 1713.8 |
| 25° | 1546.3 | 1550.6 | 1603.0 | 1686.7 | 1766.1 | 1817.6 | 1809.8 | 1760.0 | 1733.9 | 1734.7 | 1740.0 |
| 27.5° | 1648.3 | 1657.1 | 1711.2 | 1796.7 | 1878.7 | 1925.8 | 1914.5 | 1842.1 | 1790.6 | 1774.9 | 1771.4 |
| 30° | 1781.0 | 1790.6 | 1845.6 | 1927.6 | 2000.0 | 2041.9 | 2024.4 | 1932.8 | 1856.0 | 1829.8 | 1824.6 |
| 32.5° | 1953.8 | 1952.9 | 2009.6 | 2089.0 | 2139.6 | 2166.7 | 2132.6 | 2028.8 | 1931.9 | 1897.0 | 1890.1 |
| 35° | 2131.8 | 2140.5 | 2196.3 | 2273.1 | 2311.5 | 2313.3 | 2259.2 | 2142.2 | 2027.1 | 1966.8 | 1953.8 |
| 37.5° | 2332.5 | 2336.8 | 2401.4 | 2473.8 | 2499.1 | 2485.2 | 2404.9 | 2274.9 | 2142.2 | 2078.5 | 2055.9 |
| 40° | 2538.4 | 2542.8 | 2617.8 | 2687.6 | 2715.5 | 2682.4 | 2576.8 | 2421.5 | 2278.4 | 2208.6 | 2195.5 |
| 42.5° | 2729.5 | 2740.8 | 2824.6 | 2906.6 | 2933.7 | 2895.3 | 2767.9 | 2582.0 | 2422.3 | 2355.2 | 2337.7 |
| 45° | 2888.3 | 2900.5 | 2994.8 | 3099.5 | 3147.5 | 3116.1 | 2972.1 | 2762.7 | 2588.1 | 2515.7 | 2486.0 |
| 47.5° | 3007.9 | 3023.6 | 3123.9 | 3249.6 | 3342.9 | 3336.8 | 3189.4 | 2953.8 | 2766.2 | 2680.6 | 2653.6 |
| 50° | 3089.9 | 3106.5 | 3214.7 | 3349.9 | 3490.4 | 3537.5 | 3410.1 | 3164.9 | 2964.2 | 2868.2 | 2849.9 |
| 52.5° | 3096.0 | 3110.8 | 3234.7 | 3403.2 | 3590.8 | 3694.6 | 3627.4 | 3387.4 | 3182.4 | 3082.9 | 3069.8 |
| 55° | 2959.9 | 2970.3 | 3135.3 | 3359.5 | 3631.8 | 3815.0 | 3825.5 | 3630.0 | 3415.4 | 3315.0 | 3308.9 |
| 57.5° | 2647.5 | 2662.3 | 2859.5 | 3156.2 | 3563.7 | 3892.7 | 3997.4 | 3884.0 | 3678.9 | 3584.7 | 3579.4 |
| 60° | 2138.8 | 2157.9 | 2383.1 | 2777.5 | 3317.6 | 3872.6 | 4143.1 | 4122.2 | 3966.9 | 3875.2 | 3871.7 |
| 62.5° | 1508.7 | 1515.7 | 1750.4 | 2185.0 | 2836.0 | 3659.7 | 4213.8 | 4354.3 | 4265.3 | 4172.8 | 4178.0 |
| 65° | 886.6 | 896.2 | 1068.1 | 1459.0 | 2151.0 | 3170.2 | 4091.6 | 4515.7 | 4504.4 | 4419.7 | 4428.5 |
| 67.5° | 468.6 | 468.6 | 555.0 | 797.6 | 1352.5 | 2373.5 | 3605.6 | 4426.7 | 4575.1 | 4500.9 | 4505.3 |
| 70° | 323.7 | 322.9 | 338.6 | 400.5 | 653.6 | 1471.2 | 2697.2 | 3960.7 | 4431.1 | 4403.2 | 4414.5 |
| 72.5° | 274.0 | 272.3 | 273.1 | 281.9 | 332.5 | 664.9 | 1637.9 | 3050.6 | 3950.3 | 3993.0 | 4002.6 |
| 75° | 240.0 | 237.3 | 235.6 | 233.9 | 238.2 | 301.9 | 746.9 | 1882.2 | 2928.5 | 3197.2 | 3192.0 |
| 77.5° | 206.8 | 205.1 | 203.3 | 197.2 | 190.2 | 198.1 | 305.4 | 846.4 | 1506.1 | 1777.5 | 1758.3 |
| 80° | 170.2 | 170.2 | 172.8 | 164.0 | 151.0 | 145.7 | 182.4 | 315.9 | 500.0 | 521.8 | 479.9 |
| 82.5° | 133.5 | 133.5 | 146.6 | 134.4 | 118.7 | 105.6 | 126.5 | 168.4 | 203.3 | 164.9 | 134.4 |
| 85° | 94.2 | 95.1 | 122.2 | 111.7 | 91.6 | 61.1 | 78.5 | 100.3 | 114.3 | 72.4 | 56.7 |
| 87.5° | 38.4 | 41.0 | 75.9 | 60.2 | 57.6 | 30.5 | 36.6 | 44.5 | 56.7 | 30.5 | 24.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)