

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: P527341

Luminaire Tested: **GLAN-SA2B-760-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2B-760-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5969 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

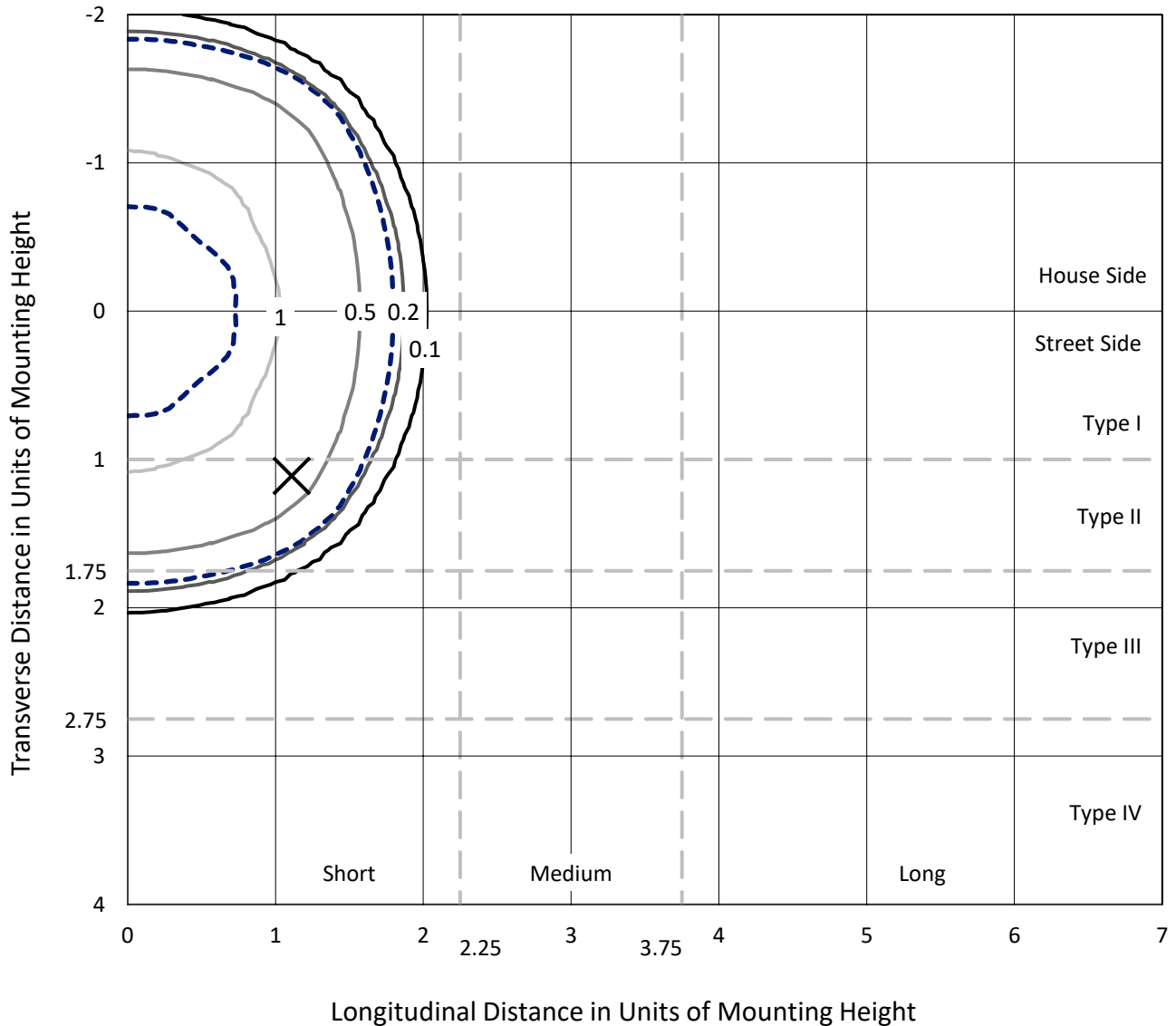
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527341
 CATALOG NUMBER: GLAN-SA2B-760-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

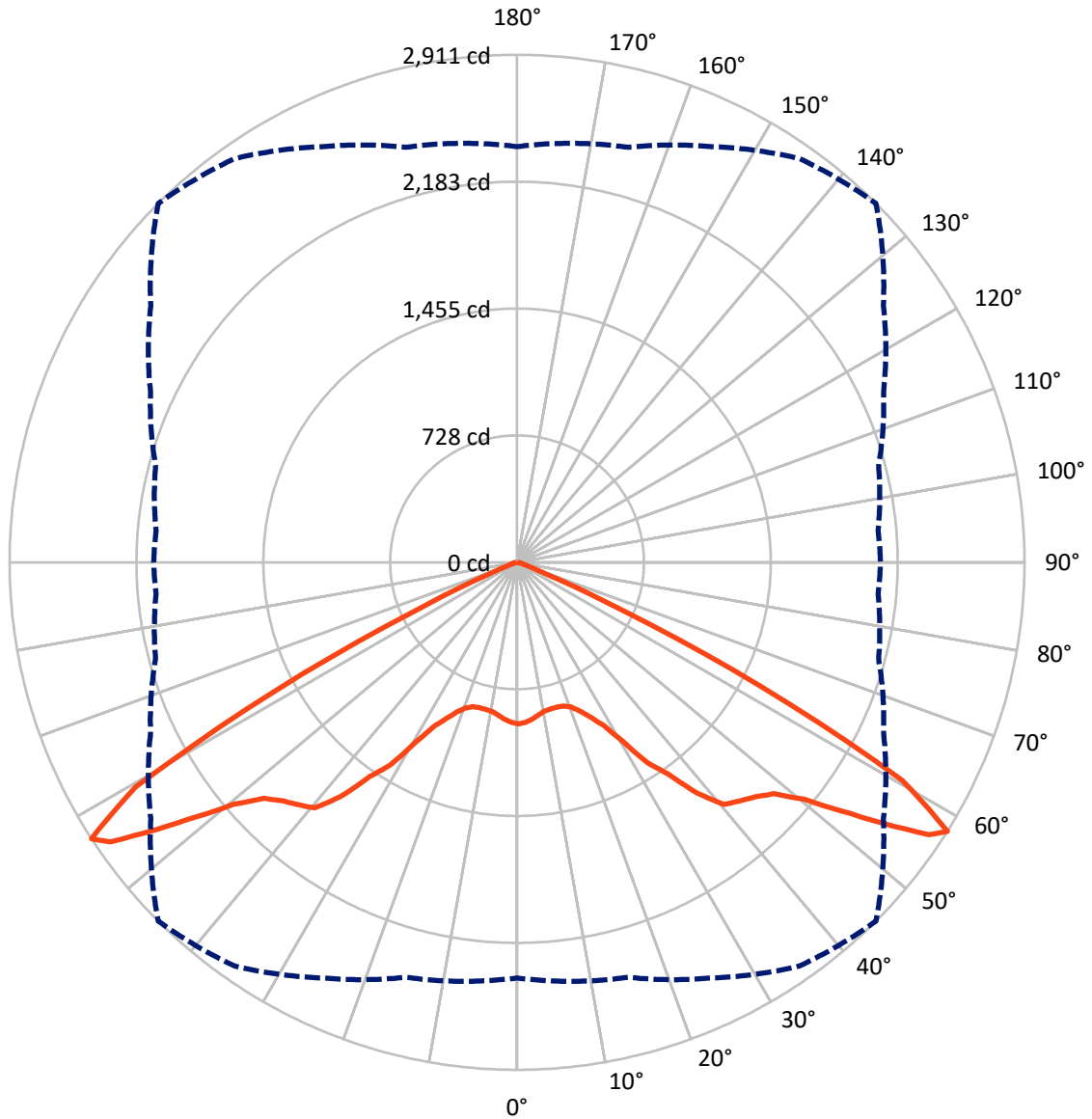
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

REPORT NUMBER: P527341
CATALOG NUMBER: GLAN-SA2B-760-U-5WQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P527341
 CATALOG NUMBER: GLAN-SA2B-760-U-5WQ-GRSBK

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2984.5 | 0.0 | 2984.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 2984.5 | 0.0 | 2984.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 5969.0 | 0.0 | 5969.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 85.1 | 1.4 |
| 10°-20° | 245.9 | 4.1 |
| 20°-30° | 453.9 | 7.6 |
| 30°-40° | 892.7 | 15.0 |
| 40°-50° | 1454.0 | 24.4 |
| 50°-60° | 2073.6 | 34.7 |
| 60°-70° | 717.9 | 12.0 |
| 70°-80° | 38.5 | 0.6 |
| 80°-90° | 7.2 | 0.1 |
| 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° | 5969.0 | 100.0 |
| 0°-180° | 5969.0 | 100.0 |

Coefficient of Utilization



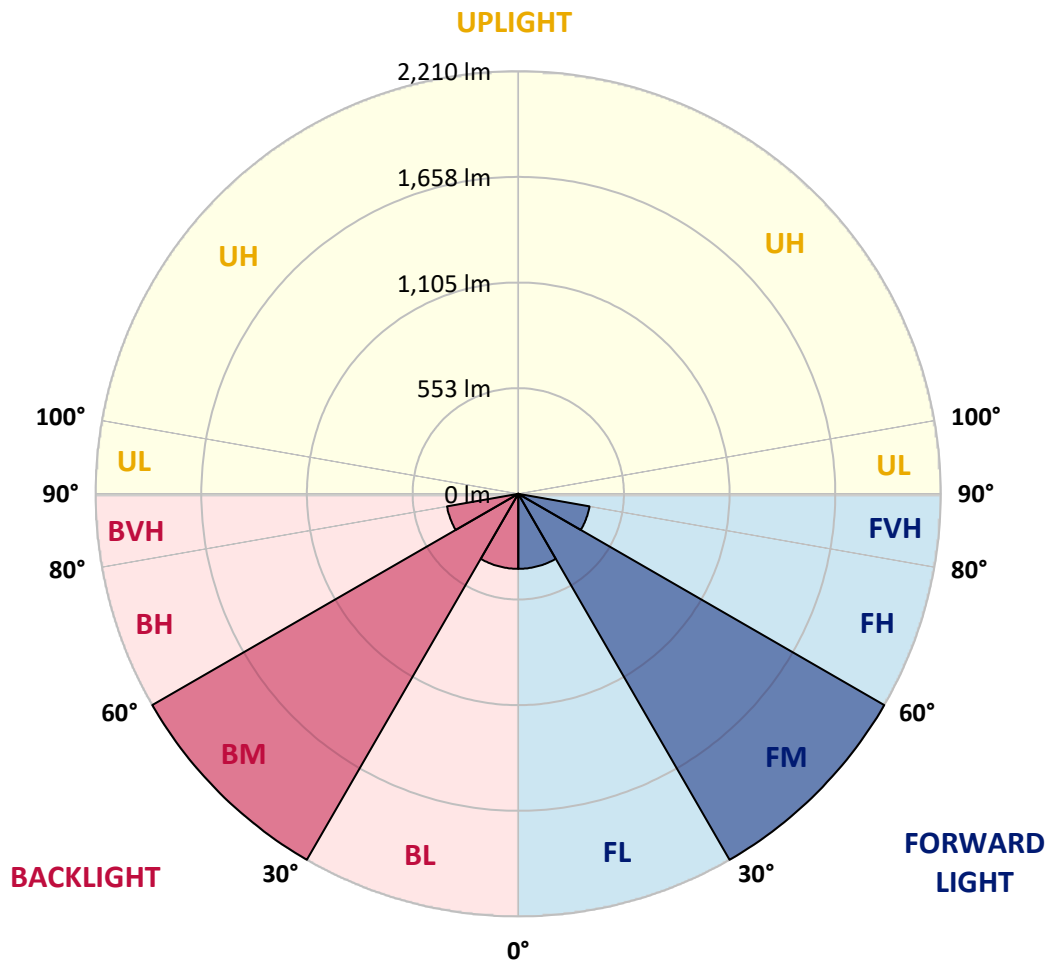
REPORT NUMBER: P527341
 CATALOG NUMBER: GLAN-SA2B-760-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 392.5 | 6.6 | | | |
| FM (30°-60°) | 2210.2 | 37.0 | | | |
| FH (60°-80°) | 378.2 | 6.3 | | | G0/660 |
| FVH (80°-90°) | 3.6 | 0.1 | | | G0/10 |
| BL (0°-30°) | 392.5 | 6.6 | B1/500 | | |
| BM (30°-60°) | 2210.2 | 37.0 | B2/2500 | | |
| BH (60°-80°) | 378.2 | 6.3 | B1/500 | | G0/660 |
| BVH (80°-90°) | 3.6 | 0.1 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G0

Type V Short





REPORT NUMBER: P527341

CATALOG NUMBER: GLAN-SA2B-760-U-5WQ-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 925.9 | 925.9 | 925.9 | 925.9 | 925.9 | 925.9 | 925.9 | 925.9 | 925.9 | 925.9 | 925.9 |
| 2.5° | 923.4 | 928.3 | 922.1 | 919.6 | 918.4 | 918.4 | 914.7 | 914.7 | 913.4 | 914.7 | 909.7 |
| 5° | 908.4 | 913.4 | 913.4 | 912.2 | 904.7 | 903.5 | 899.7 | 897.2 | 898.5 | 893.5 | 897.2 |
| 7.5° | 893.5 | 897.2 | 892.3 | 891.0 | 888.5 | 883.5 | 882.3 | 871.1 | 872.3 | 872.3 | 874.8 |
| 10° | 891.0 | 889.8 | 882.3 | 876.1 | 868.6 | 867.4 | 863.6 | 861.1 | 861.1 | 859.9 | 863.6 |
| 12.5° | 891.0 | 884.8 | 883.5 | 869.9 | 857.4 | 862.4 | 852.4 | 846.2 | 854.9 | 857.4 | 862.4 |
| 15° | 889.8 | 896.0 | 874.8 | 868.6 | 859.9 | 861.1 | 852.4 | 846.2 | 851.2 | 853.7 | 857.4 |
| 17.5° | 897.2 | 893.5 | 887.3 | 874.8 | 871.1 | 866.1 | 854.9 | 849.9 | 849.9 | 856.2 | 857.4 |
| 20° | 917.1 | 907.2 | 894.7 | 888.5 | 892.3 | 886.0 | 872.3 | 853.7 | 858.7 | 863.6 | 867.4 |
| 22.5° | 935.8 | 928.3 | 919.6 | 915.9 | 937.1 | 927.1 | 903.5 | 882.3 | 874.8 | 883.5 | 889.8 |
| 25° | 971.9 | 971.9 | 955.7 | 960.7 | 984.3 | 985.6 | 958.2 | 920.9 | 915.9 | 919.6 | 922.1 |
| 27.5° | 1045.3 | 1049.1 | 1035.4 | 1040.3 | 1050.3 | 1059.0 | 1035.4 | 1004.3 | 993.1 | 991.8 | 995.5 |
| 30° | 1125.0 | 1132.4 | 1131.2 | 1152.3 | 1181.0 | 1185.9 | 1151.1 | 1100.1 | 1066.5 | 1060.3 | 1065.2 |
| 32.5° | 1229.5 | 1233.2 | 1230.7 | 1255.6 | 1332.8 | 1368.9 | 1278.0 | 1205.9 | 1161.1 | 1172.3 | 1161.1 |
| 35° | 1426.1 | 1422.4 | 1395.0 | 1400.0 | 1463.4 | 1489.6 | 1402.5 | 1356.4 | 1335.3 | 1357.7 | 1352.7 |
| 37.5° | 1595.4 | 1581.7 | 1559.3 | 1591.6 | 1657.6 | 1681.2 | 1590.4 | 1509.5 | 1470.9 | 1508.2 | 1524.4 |
| 40° | 1738.5 | 1703.6 | 1672.5 | 1704.9 | 1793.2 | 1825.6 | 1692.4 | 1626.5 | 1611.5 | 1638.9 | 1673.8 |
| 42.5° | 1859.2 | 1836.8 | 1795.7 | 1798.2 | 1856.7 | 1871.6 | 1764.6 | 1726.0 | 1711.1 | 1754.6 | 1772.1 |
| 45° | 1945.0 | 1923.9 | 1885.3 | 1882.8 | 1927.6 | 1917.7 | 1821.8 | 1795.7 | 1804.4 | 1833.0 | 1841.8 |
| 47.5° | 1988.6 | 1999.8 | 1977.4 | 1983.6 | 2007.3 | 1983.6 | 1907.7 | 1907.7 | 1887.8 | 1905.2 | 1896.5 |
| 50° | 2114.3 | 2079.4 | 2108.1 | 2108.1 | 2132.9 | 2135.4 | 2059.5 | 2032.2 | 1978.6 | 1948.8 | 1948.8 |
| 52.5° | 2261.1 | 2263.6 | 2274.8 | 2315.9 | 2358.2 | 2394.3 | 2286.0 | 2169.0 | 2079.4 | 2040.9 | 2035.9 |
| 55° | 2381.8 | 2406.7 | 2451.5 | 2528.7 | 2650.6 | 2700.4 | 2513.7 | 2304.7 | 2195.2 | 2135.4 | 2123.0 |
| 56° | 2447.8 | 2424.1 | 2501.3 | 2607.1 | 2766.4 | 2831.1 | 2551.1 | 2332.1 | 2211.3 | 2144.1 | 2142.9 |
| 57.5° | 2384.3 | 2410.5 | 2464.0 | 2630.7 | 2826.1 | 2910.7 | 2564.8 | 2319.6 | 2146.6 | 2078.2 | 2084.4 |
| 60° | 1882.8 | 1907.7 | 1979.9 | 2166.5 | 2472.7 | 2538.6 | 2170.3 | 1912.7 | 1758.4 | 1660.1 | 1661.3 |
| 62.5° | 1065.2 | 1083.9 | 1139.9 | 1312.9 | 1503.3 | 1566.7 | 1352.7 | 1181.0 | 1073.9 | 1019.2 | 1001.8 |
| 65° | 392.0 | 384.5 | 393.2 | 481.6 | 598.6 | 652.1 | 562.5 | 475.4 | 419.4 | 399.5 | 392.0 |
| 67.5° | 146.8 | 135.6 | 126.9 | 135.6 | 170.5 | 180.4 | 165.5 | 138.1 | 129.4 | 133.2 | 135.6 |
| 70° | 90.8 | 85.9 | 68.4 | 64.7 | 63.5 | 62.2 | 66.0 | 69.7 | 79.6 | 93.3 | 95.8 |
| 72.5° | 63.5 | 59.7 | 48.5 | 46.0 | 43.6 | 42.3 | 48.5 | 53.5 | 62.2 | 72.2 | 73.4 |
| 75° | 24.9 | 26.1 | 24.9 | 27.4 | 28.6 | 29.9 | 34.8 | 38.6 | 42.3 | 42.3 | 41.1 |
| 77.5° | 5.0 | 5.0 | 7.5 | 10.0 | 12.4 | 16.2 | 23.6 | 27.4 | 28.6 | 27.4 | 23.6 |
| 80° | 0.0 | 0.0 | 2.5 | 5.0 | 10.0 | 13.7 | 21.2 | 23.6 | 26.1 | 23.6 | 18.7 |
| 82.5° | 0.0 | 0.0 | 2.5 | 6.2 | 10.0 | 12.4 | 19.9 | 24.9 | 28.6 | 26.1 | 19.9 |
| 85° | 0.0 | 0.0 | 2.5 | 5.0 | 7.5 | 8.7 | 8.7 | 6.2 | 6.2 | 3.7 | 2.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)