

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1209632

Luminaire Tested: UPW-SA2-130-827-U-5WQ

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-130-827-U-5WQ
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 80 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12538 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

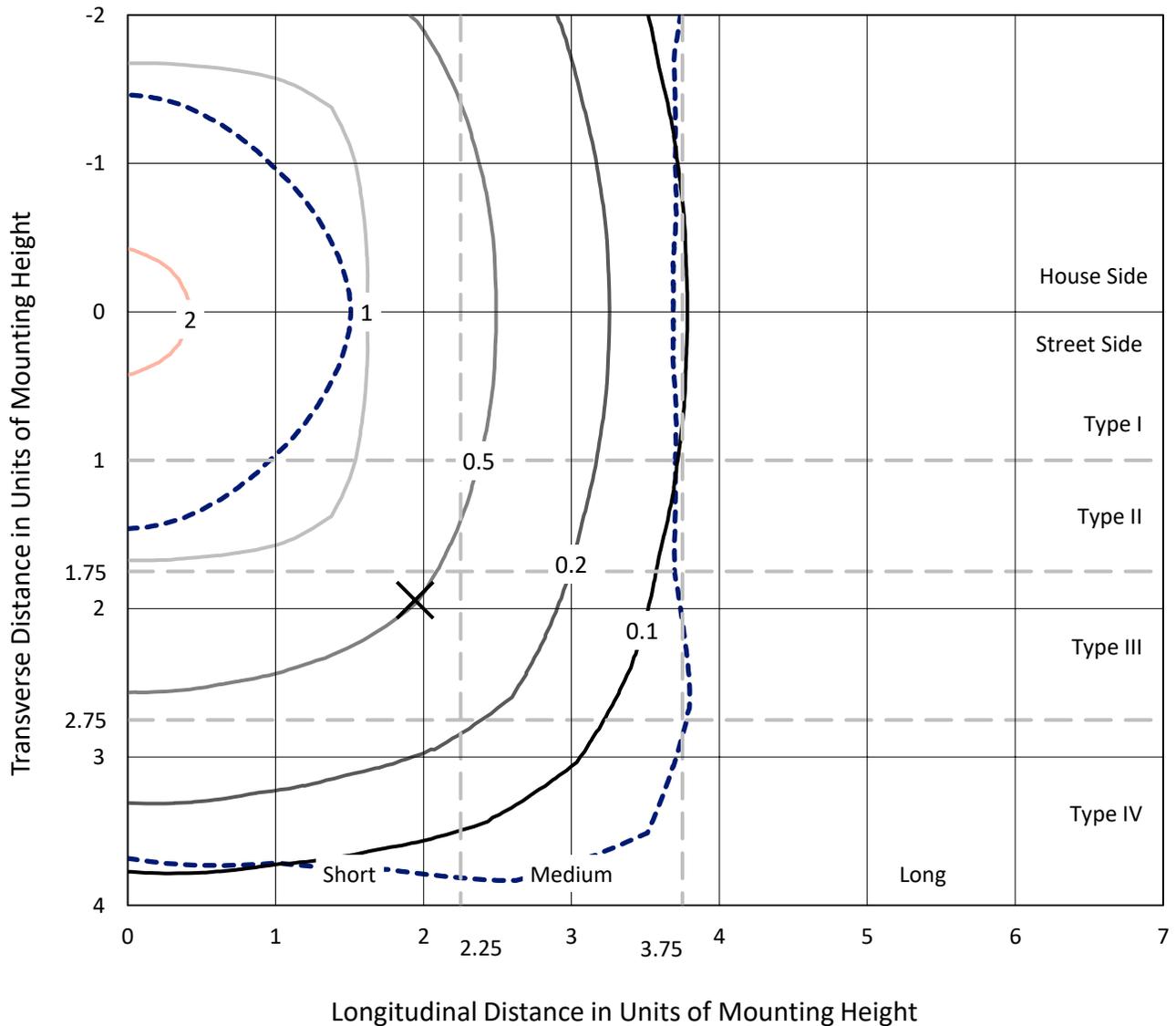
Input Watts (W): 128
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1209632
 CATALOG NUMBER: UPW-SA2-130-827-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

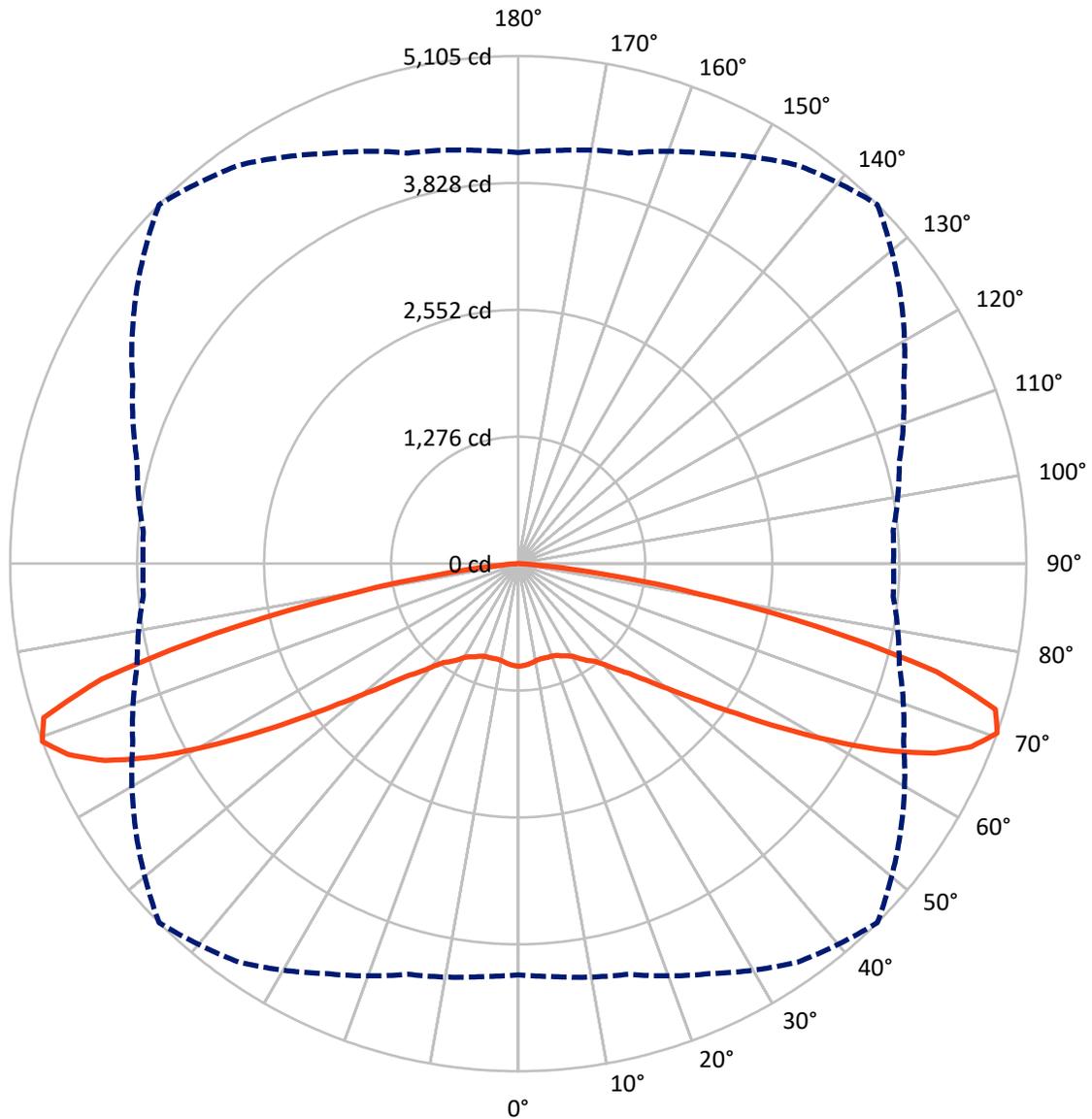
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - N/A

REPORT NUMBER: P1209632
CATALOG NUMBER: UPW-SA2-130-827-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P1209632

CATALOG NUMBER: UPW-SA2-130-827-U-5WQ

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6269.0 | 0.0 | 6269.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 6269.0 | 0.0 | 6269.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 12538.0 | 0.0 | 12538.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 96.3 | 0.8 |
| 10°-20° | 281.3 | 2.2 |
| 20°-30° | 479.6 | 3.8 |
| 30°-40° | 749.4 | 6.0 |
| 40°-50° | 1270.2 | 10.1 |
| 50°-60° | 2316.2 | 18.5 |
| 60°-70° | 3987.5 | 31.8 |
| 70°-80° | 3125.6 | 24.9 |
| 80°-90° | 231.8 | 1.8 |
| 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° | 12538.0 | 100.0 |
| 0°-180° | 12538.0 | 100.0 |



REPORT NUMBER: P1209632

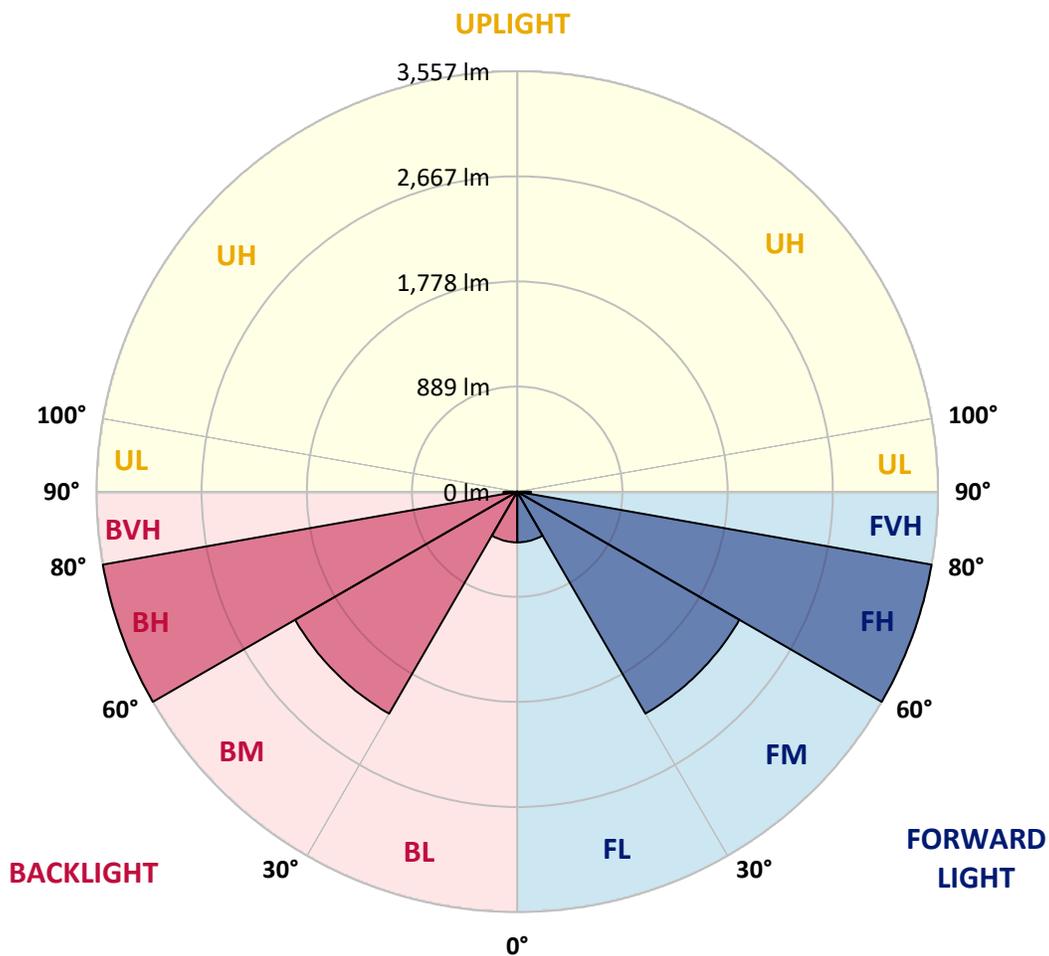
CATALOG NUMBER: UPW-SA2-130-827-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 428.6 | 3.4 | | | |
| FM (30°-60°) | 2167.9 | 17.3 | | | |
| FH (60°-80°) | 3556.6 | 28.4 | | | G2/5000 |
| FVH (80°-90°) | 115.9 | 0.9 | | | G2/225 |
| BL (0°-30°) | 428.6 | 3.4 | B1/500 | | |
| BM (30°-60°) | 2167.9 | 17.3 | B2/2500 | | |
| BH (60°-80°) | 3556.6 | 28.4 | B4/5000 | | G2/5000 |
| BVH (80°-90°) | 115.9 | 0.9 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P1209632

CATALOG NUMBER: UPW-SA2-130-827-U-5WQ

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1031.9 | 1031.9 | 1031.9 | 1031.9 | 1031.9 | 1031.9 | 1031.9 | 1031.9 | 1031.9 | 1031.9 | 1031.9 |
| 2.5° | 1027.3 | 1028.6 | 1027.3 | 1028.1 | 1026.1 | 1026.9 | 1026.9 | 1026.9 | 1026.5 | 1026.9 | 1026.1 |
| 5° | 1018.2 | 1019.0 | 1017.4 | 1018.2 | 1016.9 | 1018.2 | 1018.6 | 1018.2 | 1017.4 | 1017.8 | 1016.1 |
| 7.5° | 1004.5 | 1005.3 | 1004.1 | 1005.3 | 1003.7 | 1005.8 | 1005.3 | 1004.1 | 1002.8 | 1002.8 | 1001.2 |
| 10° | 997.0 | 997.5 | 994.1 | 992.9 | 989.2 | 990.0 | 991.2 | 992.5 | 993.7 | 996.2 | 995.8 |
| 12.5° | 997.5 | 997.5 | 992.5 | 987.1 | 981.7 | 982.9 | 985.0 | 989.6 | 994.6 | 999.1 | 999.5 |
| 15° | 1001.6 | 1001.2 | 993.7 | 985.0 | 981.3 | 985.0 | 986.3 | 989.2 | 997.0 | 1004.9 | 1005.3 |
| 17.5° | 1004.5 | 1004.5 | 992.9 | 982.9 | 982.5 | 988.3 | 987.9 | 989.2 | 997.9 | 1009.5 | 1009.9 |
| 20° | 1009.9 | 1009.9 | 995.0 | 984.2 | 984.2 | 990.4 | 990.8 | 992.9 | 1001.6 | 1014.5 | 1016.5 |
| 22.5° | 1021.9 | 1022.3 | 1006.6 | 997.9 | 998.7 | 1002.4 | 1003.7 | 1007.0 | 1014.9 | 1029.0 | 1031.5 |
| 25° | 1038.9 | 1039.8 | 1023.6 | 1018.6 | 1021.5 | 1028.6 | 1027.7 | 1030.2 | 1038.9 | 1052.6 | 1055.1 |
| 27.5° | 1062.6 | 1060.5 | 1045.6 | 1043.5 | 1046.4 | 1051.4 | 1051.0 | 1051.4 | 1058.4 | 1070.9 | 1073.8 |
| 30° | 1093.3 | 1092.4 | 1081.6 | 1082.9 | 1081.6 | 1080.0 | 1080.4 | 1083.7 | 1087.5 | 1097.4 | 1100.3 |
| 32.5° | 1123.1 | 1124.0 | 1117.3 | 1123.5 | 1132.7 | 1138.9 | 1129.3 | 1120.2 | 1116.1 | 1121.5 | 1124.0 |
| 35° | 1177.0 | 1179.1 | 1168.7 | 1164.6 | 1177.0 | 1195.3 | 1168.3 | 1153.4 | 1161.7 | 1168.7 | 1170.8 |
| 37.5° | 1268.7 | 1269.9 | 1252.5 | 1235.9 | 1226.8 | 1244.2 | 1217.3 | 1218.5 | 1247.5 | 1260.8 | 1260.4 |
| 40° | 1373.2 | 1373.6 | 1362.0 | 1347.5 | 1331.7 | 1335.9 | 1325.1 | 1328.4 | 1347.5 | 1359.5 | 1362.8 |
| 42.5° | 1497.6 | 1496.4 | 1478.1 | 1457.4 | 1452.8 | 1457.0 | 1438.7 | 1436.3 | 1458.2 | 1479.8 | 1480.2 |
| 45° | 1659.0 | 1656.1 | 1632.4 | 1609.6 | 1587.6 | 1578.5 | 1573.9 | 1586.0 | 1616.3 | 1636.2 | 1636.6 |
| 47.5° | 1832.7 | 1824.9 | 1812.4 | 1794.2 | 1775.1 | 1766.0 | 1758.5 | 1764.3 | 1786.3 | 1794.2 | 1795.0 |
| 50° | 2011.5 | 2013.2 | 2015.6 | 2008.6 | 2001.5 | 1998.6 | 1979.2 | 1968.0 | 1974.6 | 1960.1 | 1958.0 |
| 52.5° | 2223.4 | 2226.8 | 2250.8 | 2271.1 | 2283.2 | 2289.4 | 2252.5 | 2213.9 | 2192.3 | 2164.1 | 2155.8 |
| 55° | 2473.5 | 2478.9 | 2514.2 | 2570.6 | 2628.6 | 2659.3 | 2592.6 | 2520.4 | 2453.6 | 2400.9 | 2383.9 |
| 57.5° | 2752.2 | 2761.8 | 2810.3 | 2918.5 | 3037.6 | 3110.2 | 2997.3 | 2866.3 | 2737.3 | 2661.4 | 2648.1 |
| 60° | 3079.0 | 3088.2 | 3155.4 | 3310.5 | 3503.3 | 3612.4 | 3441.5 | 3227.1 | 3066.6 | 2994.0 | 2969.6 |
| 62.5° | 3468.1 | 3468.9 | 3551.4 | 3732.7 | 3987.3 | 4139.1 | 3907.7 | 3621.1 | 3455.6 | 3368.1 | 3344.5 |
| 65° | 3886.6 | 3888.6 | 3974.1 | 4169.8 | 4433.2 | 4598.2 | 4337.0 | 4038.3 | 3836.0 | 3707.0 | 3688.7 |
| 67.5° | 4182.3 | 4191.0 | 4281.0 | 4516.5 | 4762.9 | 4911.8 | 4641.4 | 4303.8 | 4069.9 | 3916.0 | 3900.7 |
| 70° | 4135.0 | 4169.0 | 4274.8 | 4549.7 | 4892.3 | 5104.6 | 4690.7 | 4272.3 | 3963.7 | 3782.0 | 3769.2 |
| 72.5° | 3606.2 | 3671.3 | 3812.3 | 4173.1 | 4721.0 | 5013.4 | 4421.6 | 3826.4 | 3477.2 | 3322.5 | 3299.3 |
| 75° | 2455.7 | 2561.4 | 2774.2 | 3294.7 | 4033.4 | 4340.7 | 3722.3 | 3050.8 | 2722.4 | 2508.4 | 2492.6 |
| 77.5° | 1094.9 | 1119.0 | 1388.6 | 1987.9 | 2783.3 | 3117.2 | 2704.5 | 1995.7 | 1498.0 | 1194.9 | 1131.0 |
| 80° | 305.3 | 309.0 | 412.3 | 740.3 | 1393.1 | 1831.5 | 1495.6 | 777.6 | 437.1 | 308.2 | 290.3 |
| 82.5° | 97.0 | 105.3 | 128.6 | 192.0 | 468.2 | 835.7 | 480.7 | 207.4 | 147.6 | 117.8 | 106.2 |
| 85° | 47.3 | 46.9 | 65.1 | 78.0 | 119.4 | 185.0 | 127.3 | 96.2 | 84.2 | 56.0 | 50.6 |
| 87.5° | 19.9 | 20.3 | 30.3 | 27.4 | 34.8 | 29.9 | 41.1 | 43.1 | 45.2 | 24.9 | 21.6 |
| 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)