

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: P531089

Luminaire Tested: **GLAN-SA6B-760-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-760-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21806 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

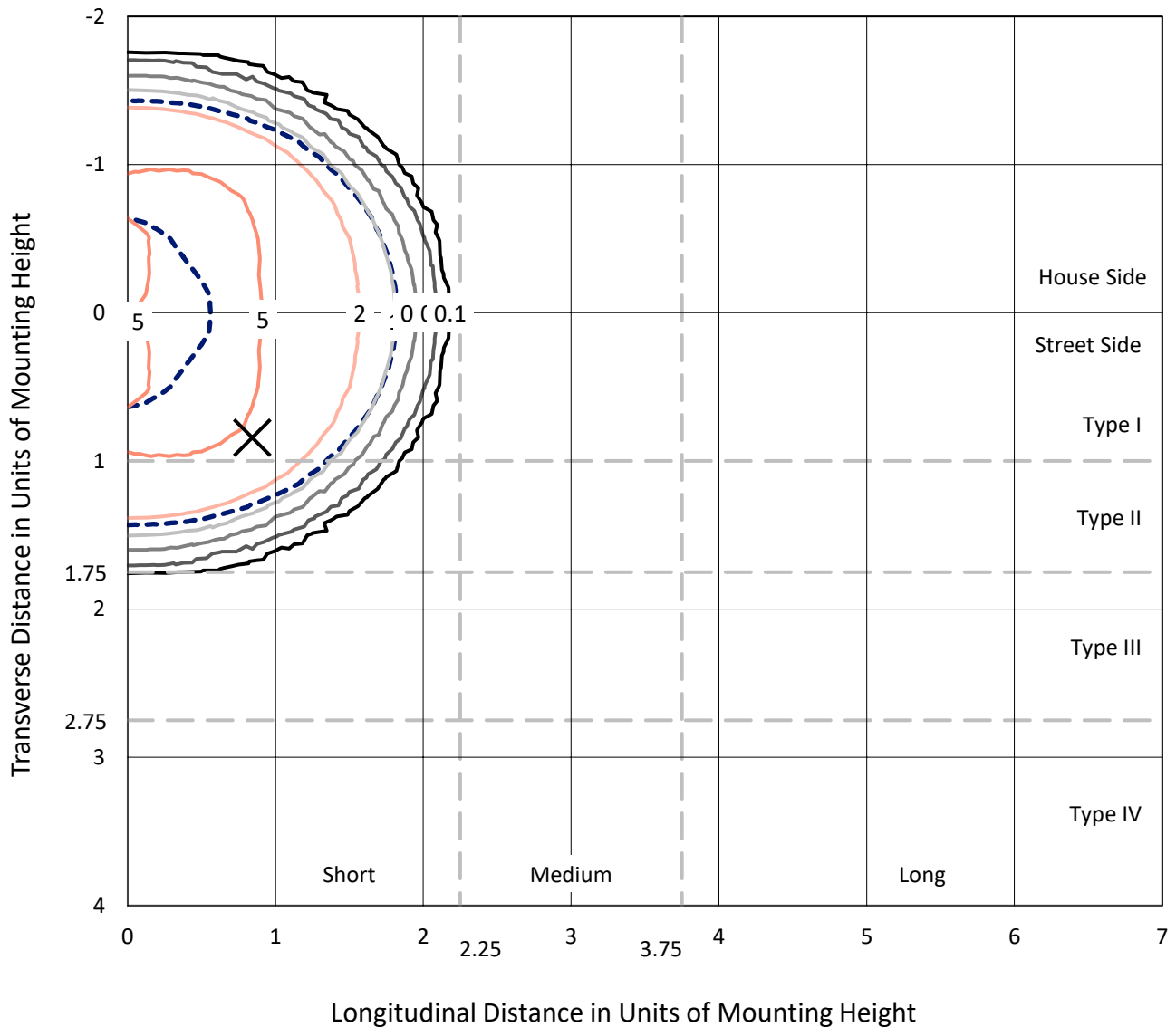
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

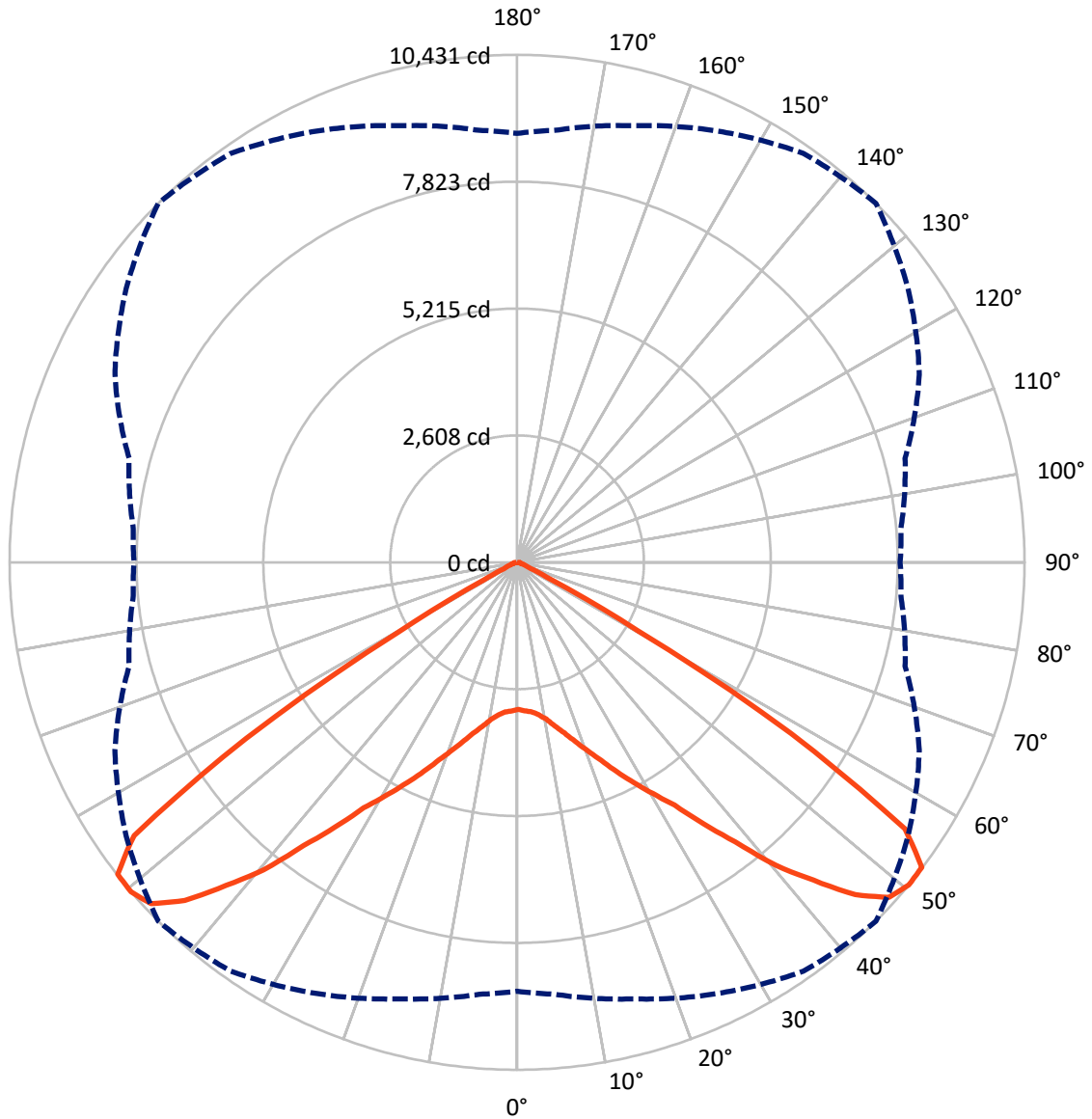
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 10903.0 | 0.0 | 10903.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 10903.0 | 0.0 | 10903.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 21806.0 | 0.0 | 21806.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 300.8 | 1.4 |
| 10°-20° | 1036.6 | 4.8 |
| 20°-30° | 2117.1 | 9.7 |
| 30°-40° | 4037.3 | 18.5 |
| 40°-50° | 6803.5 | 31.2 |
| 50°-60° | 6488.4 | 29.8 |
| 60°-70° | 905.7 | 4.2 |
| 70°-80° | 86.6 | 0.4 |
| 80°-90° | 29.9 | 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° | 21806.0 | 100.0 |
| 0°-180° | 21806.0 | 100.0 |

Coefficient of Utilization

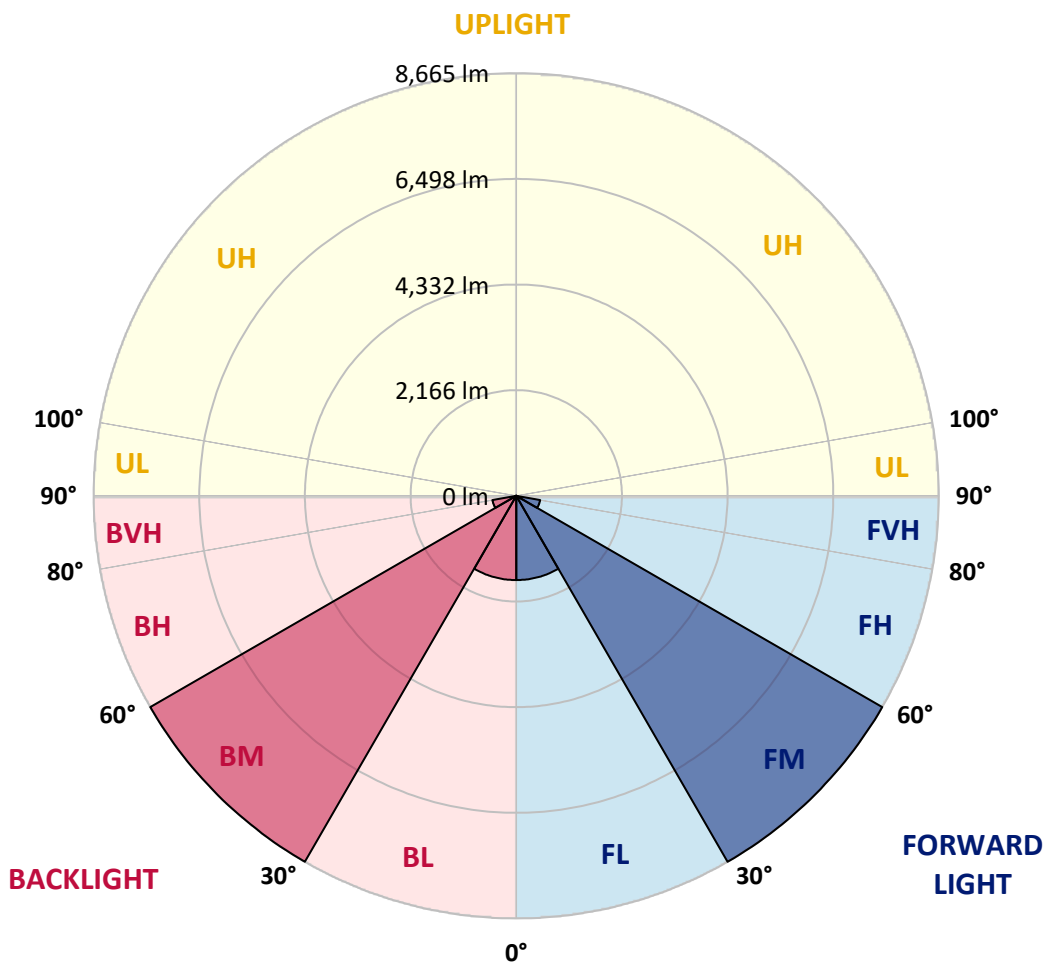


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 1727.2 | 7.9 | | | |
| FM (30°-60°) | 8664.6 | 39.7 | | | |
| FH (60°-80°) | 496.2 | 2.3 | | | G0/660 |
| FVH (80°-90°) | 15.0 | 0.1 | | | G1/100 |
| BL (0°-30°) | 1727.2 | 7.9 | B3/2500 | | |
| BM (30°-60°) | 8664.6 | 39.7 | B5 | | |
| BH (60°-80°) | 496.2 | 2.3 | B1/500 | | G0/660 |
| BVH (80°-90°) | 15.0 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|---------|---------|---------|--------|--------|--------|--------|
| 0° | 3023.2 | 3023.2 | 3023.2 | 3023.2 | 3023.2 | 3023.2 | 3023.2 | 3023.2 | 3023.2 | 3023.2 | 3023.2 |
| 2.5° | 3012.2 | 3012.2 | 3008.5 | 3037.8 | 3023.2 | 3056.2 | 3052.5 | 3063.5 | 3074.5 | 3070.9 | 3100.2 |
| 5° | 2986.5 | 2982.8 | 2982.8 | 3015.8 | 3048.8 | 3085.5 | 3118.6 | 3140.6 | 3177.3 | 3177.3 | 3213.9 |
| 7.5° | 3012.2 | 2993.8 | 3019.5 | 3034.2 | 3096.5 | 3158.9 | 3213.9 | 3258.0 | 3342.4 | 3371.7 | 3360.7 |
| 10° | 3019.5 | 3041.5 | 3059.9 | 3103.9 | 3180.9 | 3276.3 | 3324.0 | 3434.1 | 3529.5 | 3595.5 | 3610.2 |
| 12.5° | 3067.2 | 3100.2 | 3151.6 | 3258.0 | 3327.7 | 3452.4 | 3518.5 | 3624.9 | 3756.9 | 3830.3 | 3881.7 |
| 15° | 3158.9 | 3169.9 | 3236.0 | 3371.7 | 3522.1 | 3635.9 | 3738.6 | 3815.6 | 3944.1 | 4028.4 | 4032.1 |
| 17.5° | 3276.3 | 3324.0 | 3415.7 | 3544.1 | 3701.9 | 3870.7 | 3951.4 | 4035.8 | 4083.5 | 4197.2 | 4222.9 |
| 20° | 3511.1 | 3518.5 | 3606.5 | 3775.3 | 3973.4 | 4127.5 | 4186.2 | 4230.2 | 4211.9 | 4329.3 | 4351.3 |
| 22.5° | 3731.3 | 3738.6 | 3848.7 | 4076.1 | 4288.9 | 4421.0 | 4446.7 | 4421.0 | 4366.0 | 4450.4 | 4457.7 |
| 25° | 3955.1 | 4021.1 | 4101.8 | 4329.3 | 4593.4 | 4769.6 | 4773.2 | 4703.5 | 4589.8 | 4604.5 | 4641.1 |
| 27.5° | 4303.6 | 4351.3 | 4435.7 | 4644.8 | 4934.7 | 5132.8 | 5099.8 | 5015.4 | 4868.6 | 4879.6 | 4868.6 |
| 30° | 4710.8 | 4754.9 | 4824.6 | 5092.4 | 5305.2 | 5521.7 | 5569.4 | 5488.7 | 5268.5 | 5220.8 | 5275.9 |
| 32.5° | 5202.5 | 5264.9 | 5393.3 | 5639.1 | 5818.9 | 5950.9 | 5984.0 | 5954.6 | 5749.1 | 5730.8 | 5767.5 |
| 35° | 5800.5 | 5884.9 | 6002.3 | 6218.8 | 6365.5 | 6604.0 | 6604.0 | 6504.9 | 6317.8 | 6339.8 | 6336.2 |
| 37.5° | 6431.6 | 6556.3 | 6739.7 | 6959.9 | 7158.0 | 7286.4 | 7246.0 | 7161.7 | 6974.6 | 6926.9 | 6974.6 |
| 40° | 7224.0 | 7286.4 | 7517.5 | 7803.7 | 8045.9 | 8192.6 | 8020.2 | 7836.7 | 7389.1 | 7458.8 | 7587.3 |
| 42.5° | 7946.8 | 8045.9 | 8222.0 | 8537.5 | 8812.7 | 8933.7 | 8728.3 | 8365.1 | 7825.7 | 7770.7 | 7866.1 |
| 45° | 8563.2 | 8669.6 | 8900.7 | 9352.0 | 9641.8 | 9748.2 | 9293.3 | 8706.3 | 8089.9 | 7950.5 | 7990.8 |
| 47.5° | 8974.1 | 9029.1 | 9352.0 | 9781.2 | 10045.4 | 10287.6 | 9634.5 | 8941.1 | 8214.6 | 7950.5 | 7935.8 |
| 50° | 8816.3 | 8911.7 | 9289.6 | 9777.6 | 10258.2 | 10430.6 | 9806.9 | 9120.9 | 8255.0 | 7917.5 | 7873.4 |
| 52.5° | 7829.4 | 7994.5 | 8416.4 | 9073.2 | 9799.6 | 10416.0 | 10045.4 | 9062.1 | 8240.3 | 7950.5 | 8016.5 |
| 55° | 5448.3 | 5452.0 | 5965.6 | 6934.2 | 8218.3 | 9671.2 | 9696.9 | 9128.2 | 8335.7 | 8155.9 | 8159.6 |
| 57.5° | 2190.3 | 2300.4 | 2693.0 | 3665.2 | 4850.3 | 6640.7 | 7895.4 | 8467.8 | 8346.7 | 8302.7 | 8416.4 |
| 60° | 554.0 | 557.7 | 678.7 | 1034.6 | 1706.0 | 2847.1 | 4134.8 | 5595.1 | 6442.6 | 6732.4 | 6772.8 |
| 62.5° | 282.5 | 286.2 | 315.5 | 366.9 | 465.9 | 763.1 | 1357.5 | 2153.6 | 3063.5 | 3525.8 | 3646.9 |
| 65° | 231.1 | 231.1 | 249.5 | 275.2 | 278.8 | 293.5 | 352.2 | 502.6 | 730.1 | 829.2 | 840.2 |
| 67.5° | 176.1 | 176.1 | 190.8 | 205.5 | 212.8 | 209.1 | 201.8 | 209.1 | 253.2 | 242.1 | 234.8 |
| 70° | 110.1 | 113.7 | 121.1 | 135.7 | 143.1 | 146.8 | 150.4 | 157.8 | 179.8 | 187.1 | 179.8 |
| 72.5° | 66.0 | 66.0 | 69.7 | 80.7 | 91.7 | 99.1 | 110.1 | 117.4 | 128.4 | 146.8 | 143.1 |
| 75° | 29.4 | 29.4 | 36.7 | 47.7 | 58.7 | 69.7 | 80.7 | 91.7 | 99.1 | 110.1 | 113.7 |
| 77.5° | 7.3 | 11.0 | 18.3 | 33.0 | 44.0 | 58.7 | 73.4 | 84.4 | 91.7 | 91.7 | 88.1 |
| 80° | 3.7 | 3.7 | 14.7 | 25.7 | 47.7 | 62.4 | 80.7 | 88.1 | 99.1 | 91.7 | 80.7 |
| 82.5° | 3.7 | 3.7 | 14.7 | 25.7 | 44.0 | 62.4 | 84.4 | 95.4 | 102.7 | 91.7 | 77.0 |
| 85° | 0.0 | 3.7 | 11.0 | 22.0 | 36.7 | 44.0 | 36.7 | 25.7 | 14.7 | 14.7 | 11.0 |
| 87.5° | 0.0 | 0.0 | 3.7 | 3.7 | 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)