

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: P654406

Luminaire Tested: **GLAN-SA6B-840-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P654406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-840-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19494.4 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

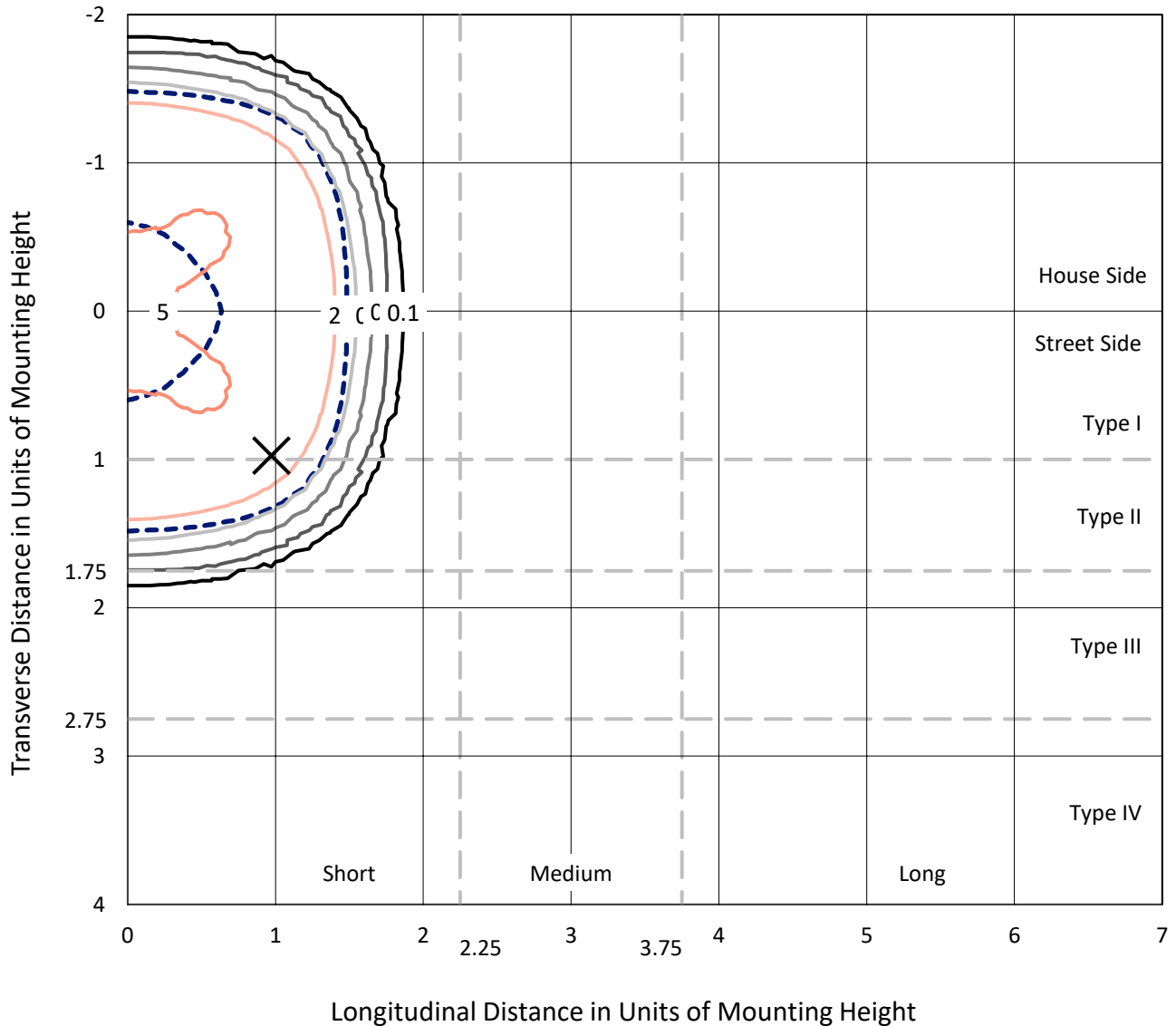
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

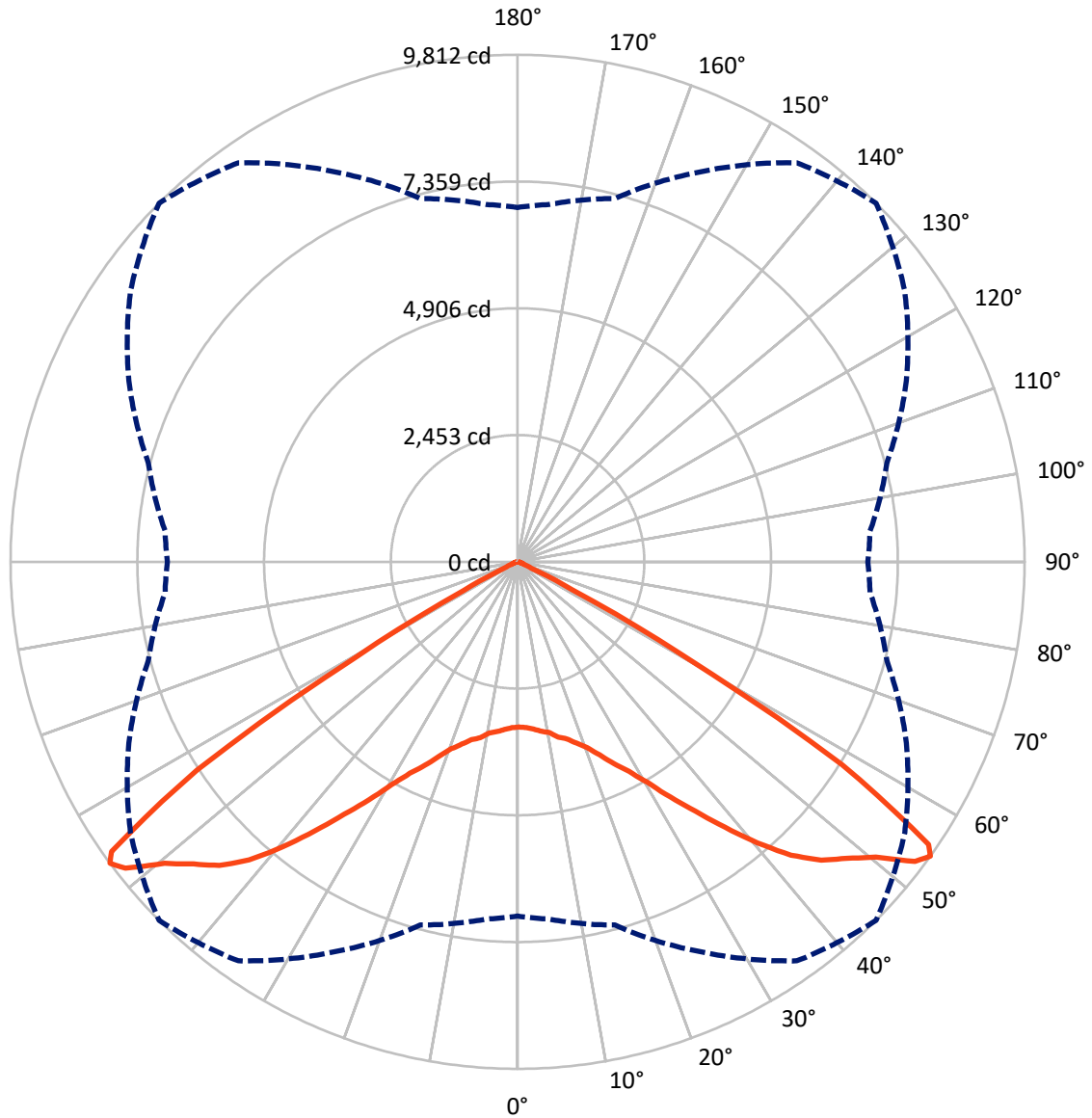
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 9747.2 | 0.0 | 9747.2 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 9747.2 | 0.0 | 9747.2 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 19494.4 | 0.0 | 19494.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 312.9 | 1.6 |
| 10°-20° | 1013.2 | 5.2 |
| 20°-30° | 1985.7 | 10.2 |
| 30°-40° | 3570.7 | 18.3 |
| 40°-50° | 6112.4 | 31.4 |
| 50°-60° | 5914.4 | 30.3 |
| 60°-70° | 506.3 | 2.6 |
| 70°-80° | 60.0 | 0.3 |
| 80°-90° | 18.8 | 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° | 19494.4 | 100.0 |
| 0°-180° | 19494.4 | 100.0 |

Coefficient of Utilization



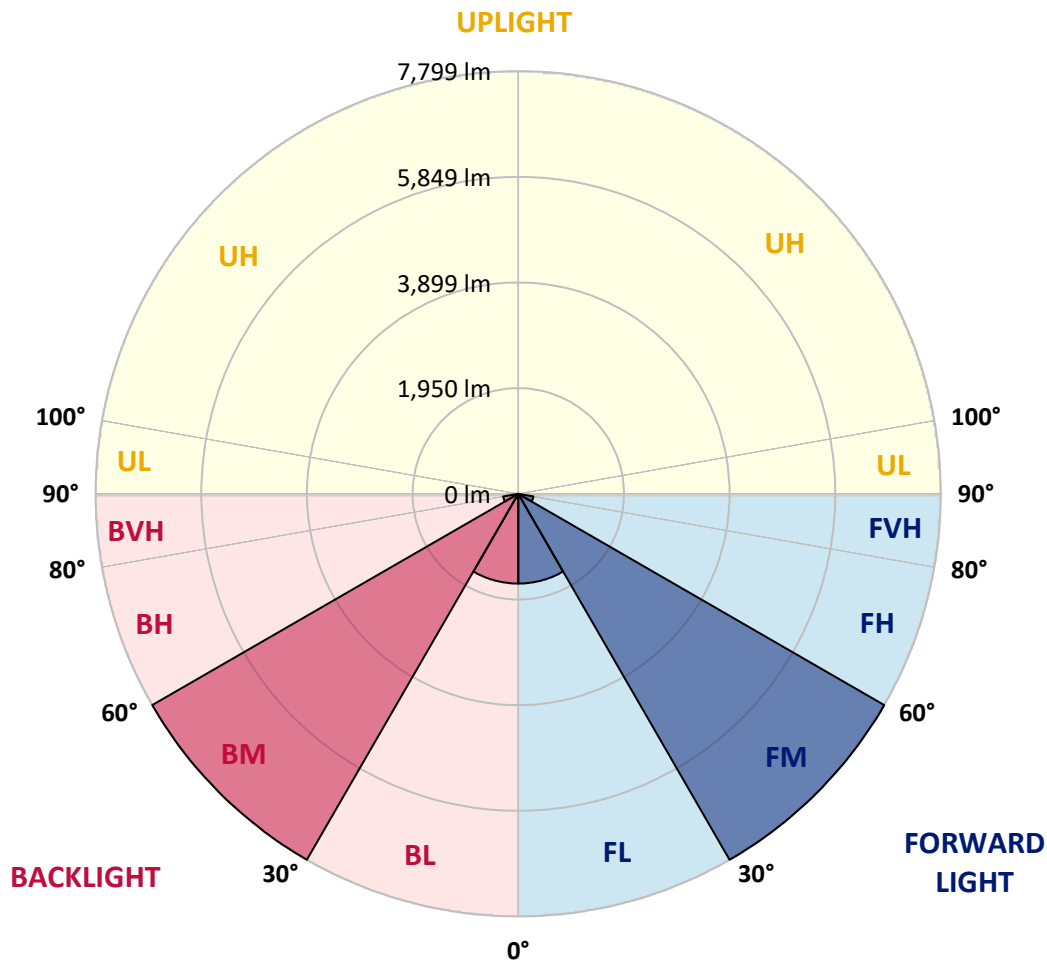
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 1655.9 | 8.5 | | | |
| FM (30°-60°) | 7798.8 | 40.0 | | | |
| FH (60°-80°) | 283.2 | 1.5 | | | G0/660 |
| FVH (80°-90°) | 9.4 | 0.0 | | | G0/10 |
| BL (0°-30°) | 1655.9 | 8.5 | B3/2500 | | |
| BM (30°-60°) | 7798.8 | 40.0 | B4/8500 | | |
| BH (60°-80°) | 283.2 | 1.5 | B1/500 | | G0/660 |
| BVH (80°-90°) | 9.4 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3196.5 | 3196.5 | 3196.5 | 3196.5 | 3196.5 | 3196.5 | 3196.5 | 3196.5 | 3196.5 | 3196.5 | 3196.5 |
| 2.5° | 3211.9 | 3230.4 | 3218.1 | 3227.3 | 3227.3 | 3211.9 | 3221.2 | 3184.1 | 3208.8 | 3190.3 | 3193.4 |
| 5° | 3261.3 | 3258.2 | 3258.2 | 3261.3 | 3249.0 | 3255.2 | 3242.8 | 3230.4 | 3221.2 | 3208.8 | 3245.9 |
| 7.5° | 3323.1 | 3323.1 | 3301.5 | 3307.7 | 3301.5 | 3310.8 | 3286.0 | 3261.3 | 3252.1 | 3242.8 | 3236.6 |
| 10° | 3381.7 | 3375.6 | 3366.4 | 3394.1 | 3372.5 | 3360.1 | 3347.8 | 3332.4 | 3298.4 | 3286.0 | 3273.7 |
| 12.5° | 3468.3 | 3465.2 | 3452.8 | 3480.6 | 3468.3 | 3480.6 | 3434.3 | 3394.1 | 3388.0 | 3347.8 | 3369.4 |
| 15° | 3570.1 | 3598.0 | 3576.4 | 3576.4 | 3570.1 | 3554.7 | 3536.2 | 3517.7 | 3462.1 | 3446.7 | 3449.7 |
| 17.5° | 3702.9 | 3693.7 | 3696.8 | 3696.8 | 3727.6 | 3687.5 | 3650.4 | 3604.1 | 3576.4 | 3567.1 | 3536.2 |
| 20° | 3829.6 | 3841.9 | 3838.8 | 3860.4 | 3879.0 | 3835.8 | 3795.6 | 3789.5 | 3712.3 | 3724.6 | 3681.3 |
| 22.5° | 4051.9 | 4042.7 | 4058.2 | 4073.6 | 4061.2 | 4055.0 | 4018.0 | 3971.6 | 3903.7 | 3872.8 | 3866.7 |
| 25° | 4286.7 | 4271.2 | 4243.4 | 4280.5 | 4299.0 | 4326.8 | 4255.8 | 4231.1 | 4126.1 | 4079.8 | 4082.8 |
| 27.5° | 4487.4 | 4509.0 | 4539.9 | 4555.4 | 4601.7 | 4592.4 | 4543.0 | 4462.7 | 4382.4 | 4329.9 | 4295.9 |
| 30° | 4762.2 | 4774.6 | 4827.2 | 4848.8 | 4929.0 | 4950.6 | 4873.4 | 4780.8 | 4638.7 | 4570.8 | 4530.6 |
| 32.5° | 5015.6 | 5102.0 | 5098.9 | 5207.0 | 5336.7 | 5426.3 | 5287.3 | 5145.2 | 5003.2 | 4922.9 | 4851.8 |
| 35° | 5426.3 | 5410.8 | 5500.4 | 5614.7 | 5824.7 | 5926.6 | 5775.2 | 5611.6 | 5395.4 | 5265.7 | 5210.1 |
| 37.5° | 5809.2 | 5815.4 | 5935.9 | 6118.1 | 6359.0 | 6516.5 | 6383.7 | 6115.0 | 5892.6 | 5725.9 | 5648.7 |
| 40° | 6365.1 | 6377.5 | 6501.0 | 6708.0 | 6979.7 | 7149.6 | 6995.2 | 6723.4 | 6426.9 | 6297.2 | 6297.2 |
| 42.5° | 7016.8 | 7069.3 | 7149.6 | 7328.7 | 7572.7 | 7761.1 | 7622.2 | 7409.0 | 7109.5 | 6942.7 | 6967.3 |
| 45° | 7687.0 | 7711.7 | 7764.2 | 8029.8 | 8144.1 | 8236.7 | 8107.0 | 8008.2 | 7807.4 | 7603.6 | 7569.6 |
| 47.5° | 8313.9 | 8323.2 | 8477.6 | 8561.0 | 8650.5 | 8573.3 | 8656.7 | 8527.0 | 8301.6 | 8103.9 | 8063.8 |
| 50° | 8591.9 | 8576.4 | 8795.7 | 9048.9 | 9116.9 | 8981.0 | 8910.0 | 8823.5 | 8480.6 | 8242.9 | 8137.9 |
| 52.5° | 7782.7 | 7872.3 | 8280.0 | 8984.1 | 9515.3 | 9629.5 | 9215.7 | 8817.3 | 8178.1 | 7714.7 | 7643.8 |
| 54° | 6856.2 | 6939.6 | 7276.2 | 8320.1 | 9425.8 | 9811.8 | 9144.7 | 8298.5 | 7396.7 | 6846.9 | 6775.9 |
| 55° | 5939.0 | 5846.3 | 6457.8 | 7523.2 | 9005.7 | 9651.1 | 8863.6 | 7628.3 | 6596.8 | 6093.4 | 5994.6 |
| 57.5° | 3215.0 | 3230.4 | 3746.2 | 4753.0 | 6328.1 | 7399.8 | 6535.0 | 5160.7 | 3897.5 | 3332.4 | 3282.9 |
| 60° | 1019.1 | 1043.8 | 1269.3 | 1921.0 | 3023.6 | 3610.3 | 3094.5 | 2072.3 | 1433.0 | 1148.9 | 1102.6 |
| 62.5° | 318.1 | 330.4 | 361.4 | 537.4 | 827.7 | 1182.9 | 926.5 | 555.9 | 413.9 | 379.9 | 386.0 |
| 65° | 194.6 | 194.6 | 197.6 | 210.0 | 247.1 | 287.2 | 278.0 | 244.0 | 234.7 | 228.5 | 225.5 |
| 67.5° | 126.7 | 123.5 | 129.7 | 139.0 | 145.2 | 148.3 | 157.5 | 166.8 | 163.7 | 157.5 | 157.5 |
| 70° | 77.2 | 74.1 | 80.3 | 92.7 | 95.7 | 101.9 | 111.2 | 123.5 | 120.4 | 114.3 | 117.3 |
| 72.5° | 43.2 | 43.2 | 46.3 | 55.6 | 64.8 | 71.1 | 80.3 | 89.6 | 92.7 | 89.6 | 89.6 |
| 75° | 15.5 | 18.5 | 24.7 | 34.0 | 40.1 | 49.5 | 58.7 | 68.0 | 77.2 | 71.1 | 68.0 |
| 77.5° | 6.1 | 6.1 | 12.4 | 21.6 | 30.9 | 40.1 | 55.6 | 64.8 | 71.1 | 64.8 | 58.7 |
| 80° | 3.1 | 3.1 | 9.3 | 18.5 | 27.8 | 37.1 | 46.3 | 55.6 | 58.7 | 52.5 | 46.3 |
| 82.5° | 3.1 | 3.1 | 9.3 | 18.5 | 27.8 | 34.0 | 49.5 | 55.6 | 61.7 | 55.6 | 46.3 |
| 85° | 0.0 | 3.1 | 9.3 | 18.5 | 24.7 | 27.8 | 27.8 | 18.5 | 15.5 | 9.3 | 9.3 |
| 87.5° | 0.0 | 0.0 | 3.1 | 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)