

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: P532644

Luminaire Tested: **GLAN-SA8A-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8A-735-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30985 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

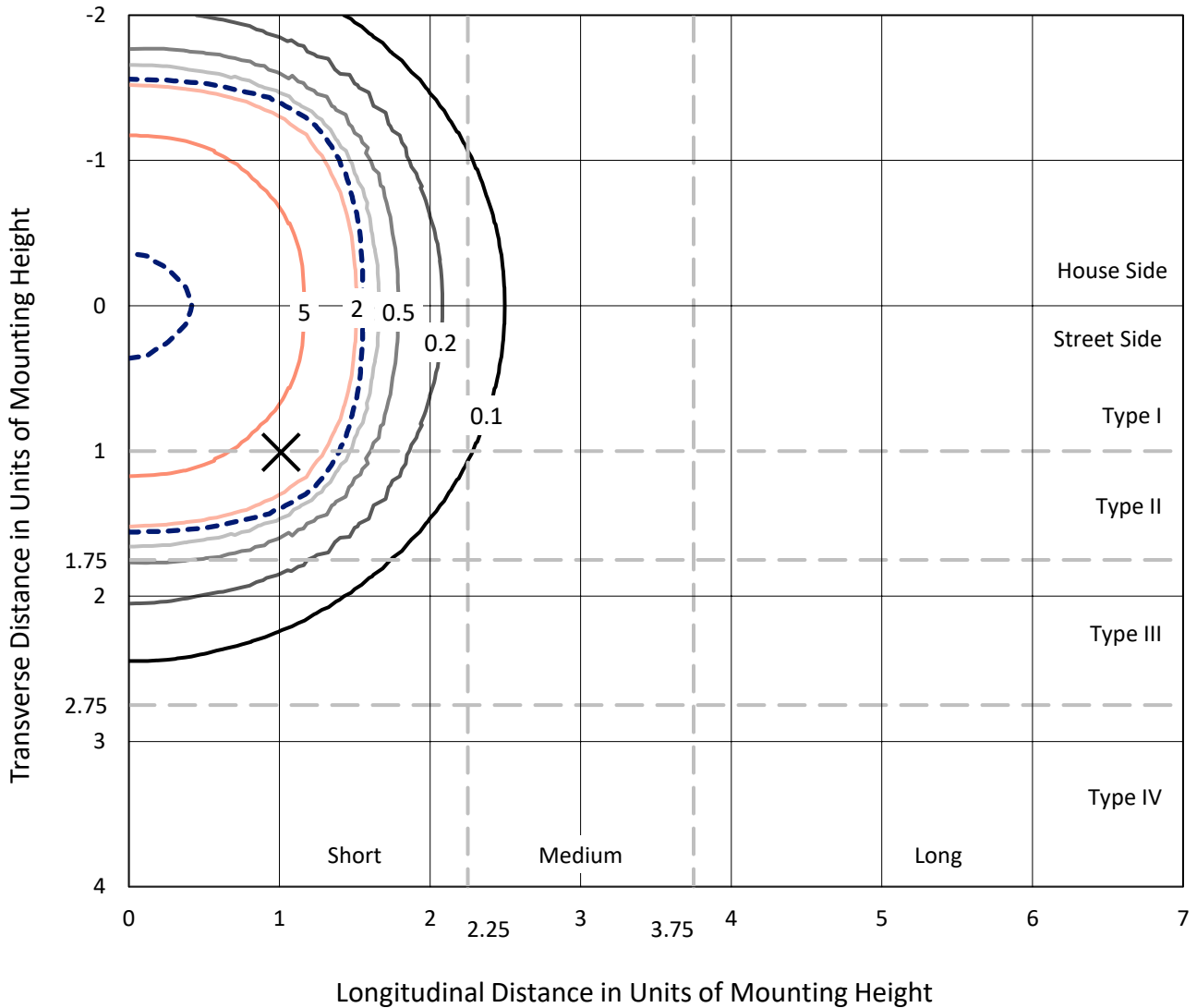
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

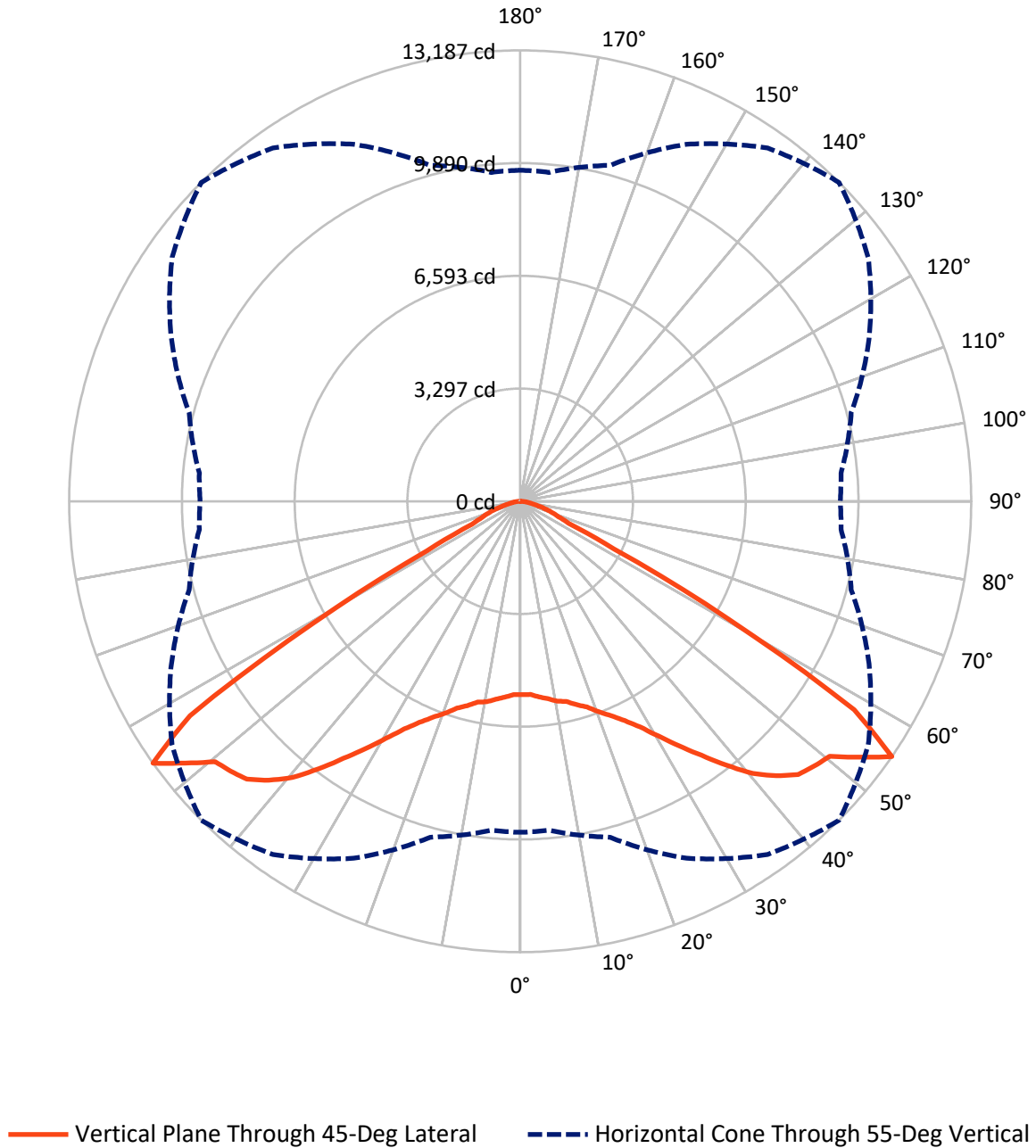
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 15492.5 | 0.0 | 15492.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 15492.5 | 0.0 | 15492.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 30985.0 | 0.0 | 30985.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 552.7 | 1.8 |
| 10°-20° | 1751.2 | 5.7 |
| 20°-30° | 3265.3 | 10.5 |
| 30°-40° | 5467.2 | 17.6 |
| 40°-50° | 8507.5 | 27.5 |
| 50°-60° | 8833.4 | 28.5 |
| 60°-70° | 1873.3 | 6.0 |
| 70°-80° | 616.9 | 2.0 |
| 80°-90° | 117.5 | 0.4 |
| 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° | 30985.0 | 100.0 |
| 0°-180° | 30985.0 | 100.0 |

Coefficient of Utilization



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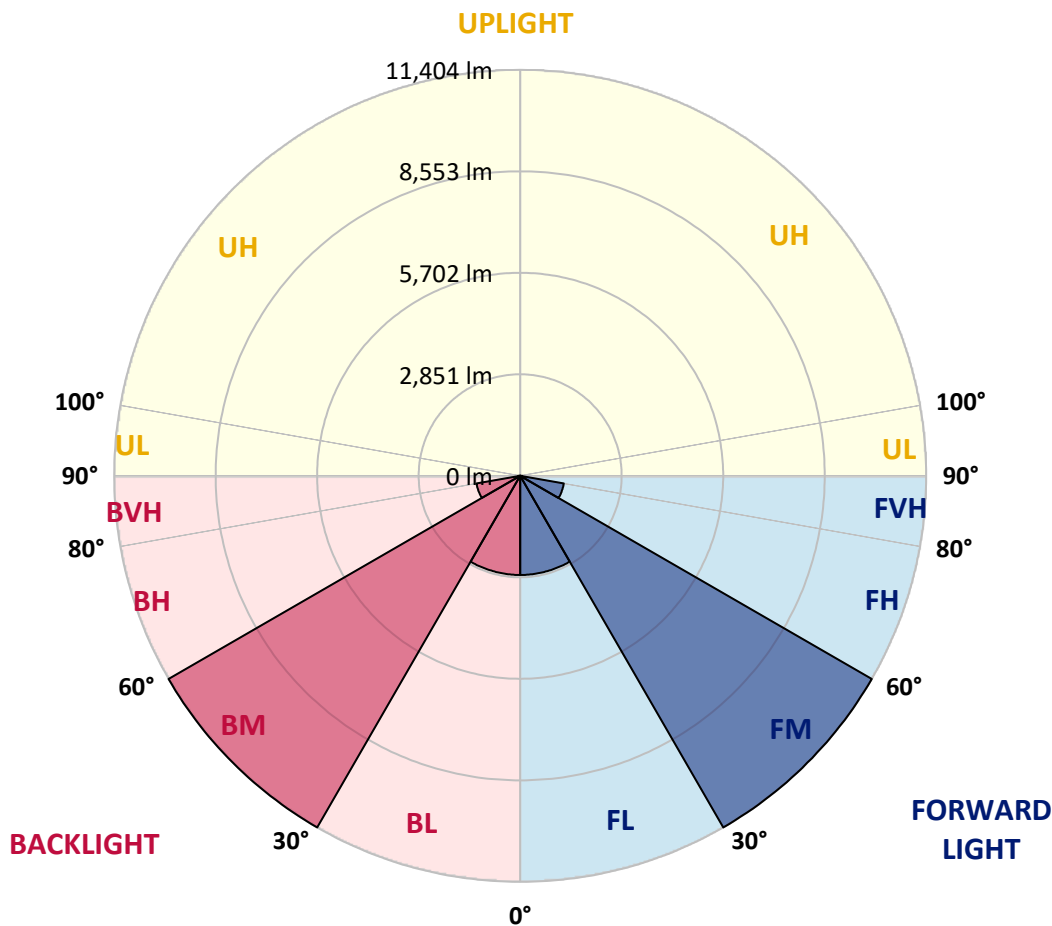
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2784.6 | 9.0 | | | |
| FM (30°-60°) | 11404.1 | 36.8 | | | |
| FH (60°-80°) | 1245.1 | 4.0 | | | G1/1800 |
| FVH (80°-90°) | 58.7 | 0.2 | | | G1/100 |
| BL (0°-30°) | 2784.6 | 9.0 | B4/5000 | | |
| BM (30°-60°) | 11404.1 | 36.8 | B5 | | |
| BH (60°-80°) | 1245.1 | 4.0 | B3/2500 | | G1/1800 |
| BVH (80°-90°) | 58.7 | 0.2 | | | 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° | 5657.4 | 5657.4 | 5657.4 | 5657.4 | 5657.4 | 5657.4 | 5657.4 | 5657.4 | 5657.4 | 5657.4 | 5657.4 |
| 2.5° | 5724.8 | 5698.6 | 5653.7 | 5687.4 | 5713.6 | 5657.4 | 5679.9 | 5691.1 | 5683.6 | 5653.7 | 5664.9 |
| 5° | 5807.2 | 5792.2 | 5754.7 | 5781.0 | 5747.3 | 5747.3 | 5724.8 | 5694.8 | 5739.8 | 5732.3 | 5751.0 |
| 7.5° | 5807.2 | 5788.4 | 5863.3 | 5814.7 | 5829.6 | 5829.6 | 5792.2 | 5762.2 | 5784.7 | 5751.0 | 5732.3 |
| 10° | 5923.2 | 5949.4 | 5915.7 | 5927.0 | 5919.5 | 5945.7 | 5889.5 | 5870.8 | 5852.1 | 5840.9 | 5818.4 |
| 12.5° | 6061.8 | 6043.0 | 6054.3 | 6046.8 | 6073.0 | 6005.6 | 5971.9 | 5930.7 | 5964.4 | 5915.7 | 5949.4 |
| 15° | 6174.1 | 6162.9 | 6174.1 | 6204.0 | 6177.8 | 6174.1 | 6114.2 | 6073.0 | 6020.6 | 6031.8 | 5979.4 |
| 17.5° | 6327.6 | 6316.4 | 6320.1 | 6346.3 | 6342.6 | 6323.9 | 6278.9 | 6200.3 | 6181.6 | 6151.6 | 6117.9 |
| 20° | 6556.0 | 6537.3 | 6529.8 | 6541.0 | 6559.7 | 6574.7 | 6484.9 | 6454.9 | 6391.3 | 6342.6 | 6286.4 |
| 22.5° | 6750.7 | 6743.2 | 6773.2 | 6724.5 | 6765.7 | 6810.6 | 6724.5 | 6709.5 | 6552.2 | 6526.0 | 6466.1 |
| 25° | 7020.3 | 7009.0 | 6990.3 | 7061.5 | 7110.1 | 7106.4 | 7024.0 | 6941.6 | 6821.8 | 6791.9 | 6791.9 |
| 27.5° | 7304.8 | 7241.2 | 7338.5 | 7357.2 | 7443.4 | 7469.6 | 7398.4 | 7278.6 | 7166.3 | 7102.6 | 7117.6 |
| 30° | 7660.5 | 7600.6 | 7623.1 | 7757.9 | 7870.2 | 7967.5 | 7787.8 | 7611.8 | 7454.6 | 7342.3 | 7323.5 |
| 32.5° | 8016.2 | 7956.3 | 8023.7 | 8154.7 | 8379.4 | 8525.4 | 8349.4 | 8042.4 | 7859.0 | 7694.2 | 7727.9 |
| 35° | 8304.5 | 8349.4 | 8458.0 | 8656.5 | 8888.6 | 9124.5 | 8843.7 | 8607.8 | 8345.7 | 8162.2 | 8188.4 |
| 37.5° | 8768.8 | 8907.3 | 8993.4 | 9221.8 | 9551.3 | 9794.7 | 9502.6 | 9195.6 | 8914.8 | 8675.2 | 8592.8 |
| 40° | 9375.3 | 9468.9 | 9566.3 | 9835.9 | 10225.3 | 10468.6 | 10191.6 | 9790.9 | 9513.9 | 9266.8 | 9255.5 |
| 42.5° | 10041.8 | 10131.6 | 10232.7 | 10562.2 | 10794.4 | 10977.8 | 10723.2 | 10509.8 | 10202.8 | 10008.1 | 9996.9 |
| 45° | 10816.8 | 10753.2 | 10865.5 | 11082.7 | 11277.4 | 11397.2 | 11232.4 | 11127.6 | 10906.7 | 10727.0 | 10708.2 |
| 47.5° | 11333.5 | 11277.4 | 11479.5 | 11674.2 | 11704.2 | 11573.1 | 11606.8 | 11704.2 | 11472.1 | 11176.3 | 11269.9 |
| 50° | 11633.0 | 11633.0 | 11767.8 | 11947.6 | 11891.4 | 11722.9 | 11988.7 | 11996.2 | 11764.1 | 11502.0 | 11502.0 |
| 52.5° | 11112.6 | 11228.7 | 11610.6 | 12198.4 | 12385.6 | 12434.3 | 12374.4 | 12119.8 | 11513.2 | 10977.8 | 10951.6 |
| 55° | 9682.4 | 9656.1 | 10172.8 | 11520.7 | 12610.3 | 13186.9 | 12423.1 | 11251.1 | 10019.3 | 9416.5 | 9356.6 |
| 57.5° | 6297.6 | 6327.6 | 7098.9 | 8473.0 | 10438.7 | 11513.2 | 10225.3 | 8577.8 | 7098.9 | 6267.7 | 6346.3 |
| 60° | 2834.3 | 2935.4 | 3403.4 | 4429.3 | 6117.9 | 6994.1 | 6132.9 | 4654.0 | 3571.9 | 3100.1 | 3141.3 |
| 62.5° | 1628.7 | 1647.4 | 1666.1 | 1976.9 | 2605.9 | 3081.4 | 2707.0 | 2089.2 | 1842.1 | 1759.7 | 1759.7 |
| 65° | 1374.1 | 1362.9 | 1366.6 | 1392.8 | 1460.2 | 1557.6 | 1516.4 | 1460.2 | 1467.7 | 1460.2 | 1449.0 |
| 67.5° | 1168.2 | 1183.1 | 1171.9 | 1190.6 | 1194.4 | 1209.4 | 1235.6 | 1258.0 | 1261.8 | 1269.3 | 1261.8 |
| 70° | 958.5 | 962.2 | 969.7 | 984.7 | 988.5 | 999.7 | 1037.1 | 1055.8 | 1067.1 | 1067.1 | 1082.1 |
| 72.5° | 733.9 | 730.1 | 737.6 | 752.6 | 771.3 | 775.0 | 808.7 | 834.9 | 849.9 | 831.2 | 834.9 |
| 75° | 483.0 | 486.7 | 498.0 | 509.2 | 535.4 | 561.6 | 572.9 | 599.1 | 602.8 | 610.3 | 591.6 |
| 77.5° | 288.3 | 295.8 | 307.0 | 329.5 | 351.9 | 374.4 | 400.6 | 419.3 | 426.8 | 419.3 | 396.9 |
| 80° | 187.2 | 187.2 | 202.2 | 220.9 | 247.1 | 265.8 | 280.8 | 295.8 | 307.0 | 295.8 | 288.3 |
| 82.5° | 116.1 | 116.1 | 134.8 | 157.3 | 176.0 | 187.2 | 209.7 | 228.4 | 239.6 | 232.1 | 220.9 |
| 85° | 59.9 | 63.7 | 78.6 | 97.3 | 112.3 | 119.8 | 116.1 | 104.8 | 93.6 | 89.9 | 82.4 |
| 87.5° | 18.7 | 18.7 | 22.5 | 22.5 | 18.7 | 18.7 | 22.5 | 18.7 | 22.5 | 22.5 | 22.5 |
| 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)