

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: P455643

Luminaire Tested: **GLAN-SA6D-760-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6D-760-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47874 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

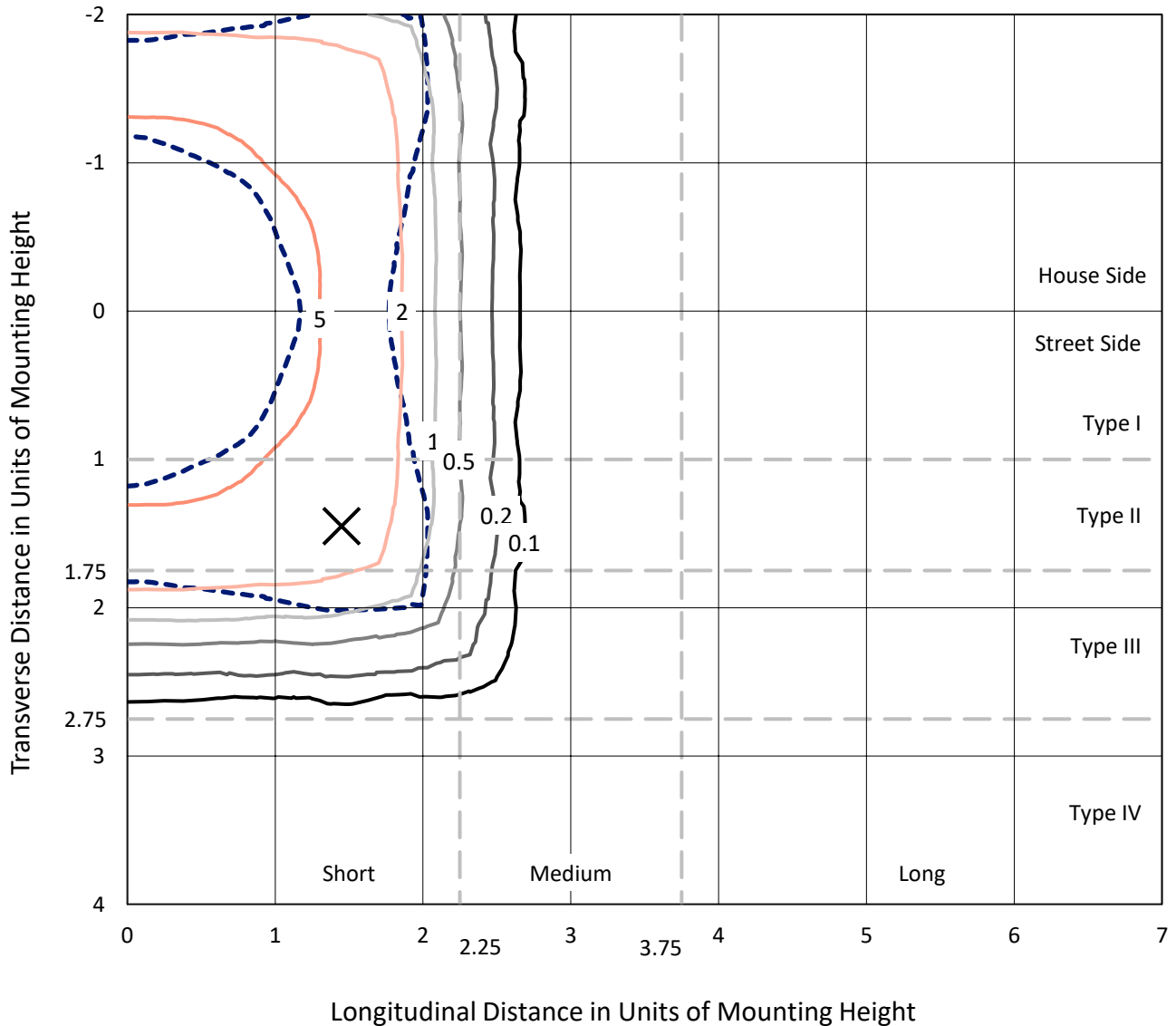
Input Watts (W): 368
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

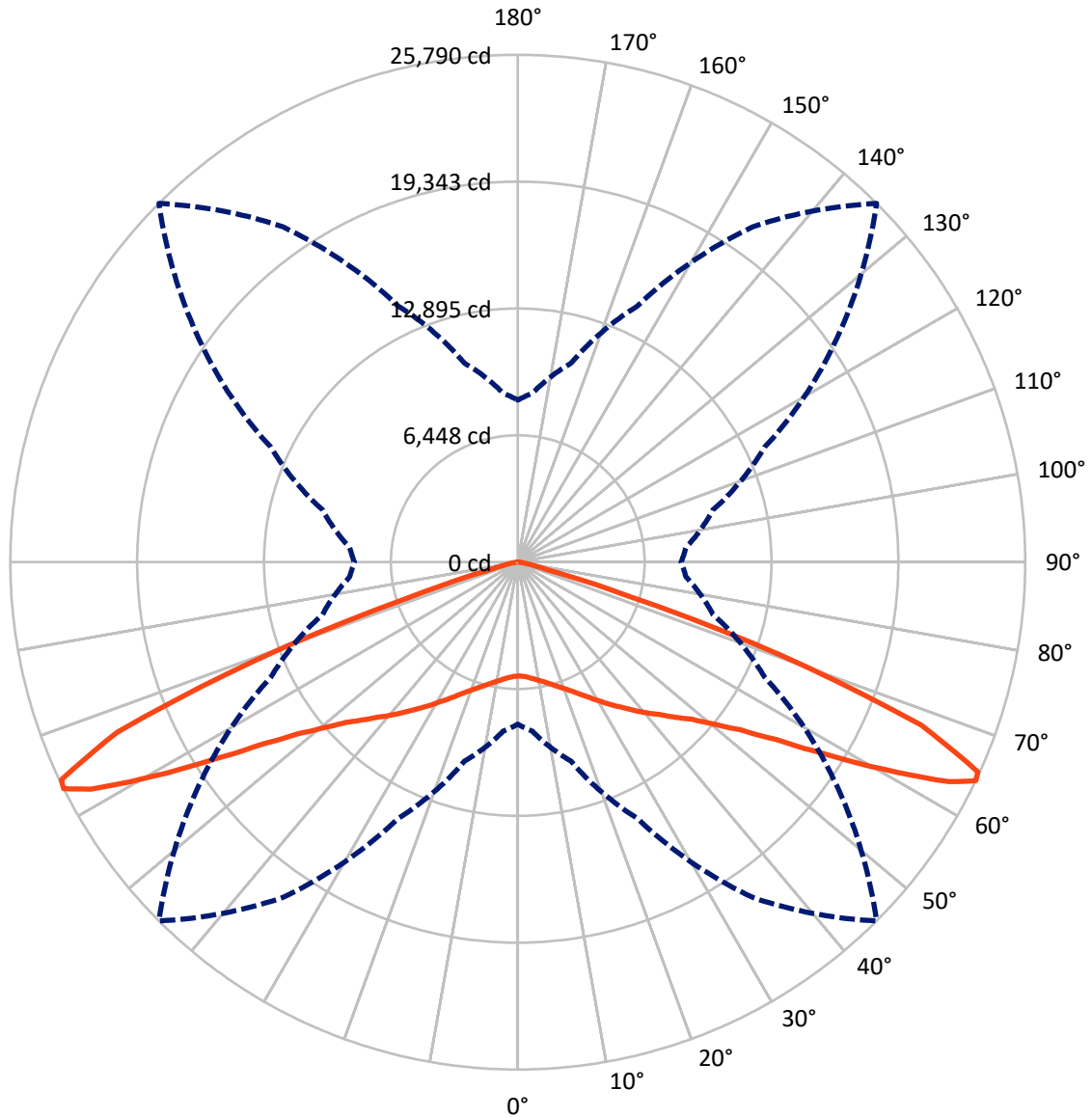
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 23937.0 | 0.0 | 23937.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 23937.0 | 0.0 | 23937.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 47874.0 | 0.0 | 47874.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 568.5 | 1.2 |
| 10°-20° | 1833.7 | 3.8 |
| 20°-30° | 3465.1 | 7.2 |
| 30°-40° | 5738.7 | 12.0 |
| 40°-50° | 8959.0 | 18.7 |
| 50°-60° | 13850.4 | 28.9 |
| 60°-70° | 11943.0 | 24.9 |
| 70°-80° | 1353.5 | 2.8 |
| 80°-90° | 162.2 | 0.3 |
| 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° | 47874.0 | 100.0 |
| 0°-180° | 47874.0 | 100.0 |

Coefficient of Utilization



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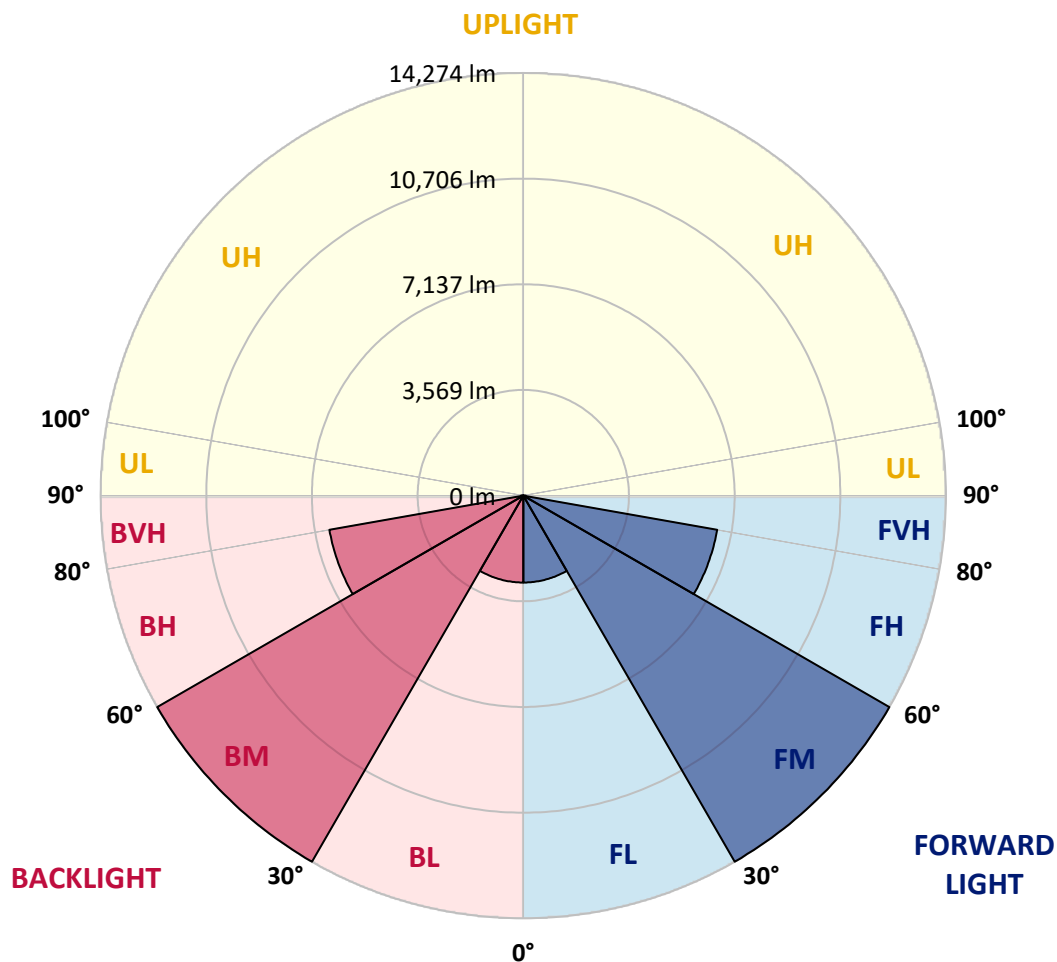
CATALOG NUMBER: GLAN-SA6D-760-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 2933.7 | 6.1 | | | |
| FM | (30°-60°) | 14274.0 | 29.8 | | | |
| FH | (60°-80°) | 6648.2 | 13.9 | | | G3/7500 |
| FVH | (80°-90°) | 81.1 | 0.2 | | | G1/100 |
| BL | (0°-30°) | 2933.7 | 6.1 | B4/5000 | | |
| BM | (30°-60°) | 14274.0 | 29.8 | B5 | | |
| BH | (60°-80°) | 6648.2 | 13.9 | B5 | | G3/7500 |
| BVH | (80°-90°) | 81.1 | 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-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5786.4 | 5786.4 | 5786.4 | 5786.4 | 5786.4 | 5786.4 | 5786.4 | 5786.4 | 5786.4 | 5786.4 | 5786.4 |
| 2.5° | 5809.2 | 5821.9 | 5811.7 | 5809.2 | 5806.7 | 5806.7 | 5806.7 | 5809.2 | 5819.3 | 5826.9 | 5821.9 |
| 5° | 5882.7 | 5892.9 | 5887.8 | 5885.3 | 5882.7 | 5885.3 | 5880.2 | 5877.7 | 5885.3 | 5885.3 | 5882.7 |
| 7.5° | 5974.0 | 5986.7 | 5981.6 | 5986.7 | 5989.2 | 5991.8 | 5979.1 | 5968.9 | 5966.4 | 5974.0 | 5968.9 |
| 10° | 6098.3 | 6108.4 | 6110.9 | 6113.5 | 6118.5 | 6116.0 | 6100.8 | 6083.1 | 6080.5 | 6078.0 | 6075.4 |
| 12.5° | 6237.7 | 6245.3 | 6247.9 | 6258.0 | 6265.6 | 6268.2 | 6250.4 | 6235.2 | 6209.8 | 6214.9 | 6204.8 |
| 15° | 6394.9 | 6410.2 | 6407.6 | 6422.8 | 6443.1 | 6448.2 | 6430.4 | 6405.1 | 6382.3 | 6369.6 | 6362.0 |
| 17.5° | 6587.6 | 6597.8 | 6592.7 | 6607.9 | 6633.3 | 6646.0 | 6630.8 | 6597.8 | 6575.0 | 6547.1 | 6531.9 |
| 20° | 6815.9 | 6833.6 | 6838.7 | 6838.7 | 6861.5 | 6874.2 | 6851.4 | 6841.2 | 6805.7 | 6785.4 | 6772.7 |
| 22.5° | 7074.5 | 7082.1 | 7097.3 | 7112.5 | 7135.3 | 7130.3 | 7122.7 | 7107.5 | 7074.5 | 7056.7 | 7036.5 |
| 25° | 7366.1 | 7373.7 | 7411.7 | 7444.7 | 7452.3 | 7447.2 | 7437.1 | 7429.5 | 7399.1 | 7358.5 | 7343.3 |
| 27.5° | 7705.9 | 7721.1 | 7771.8 | 7802.2 | 7802.2 | 7804.8 | 7784.5 | 7809.8 | 7743.9 | 7695.7 | 7690.7 |
| 30° | 8131.9 | 8142.0 | 8185.1 | 8215.5 | 8200.3 | 8187.6 | 8182.6 | 8207.9 | 8136.9 | 8050.7 | 8030.4 |
| 32.5° | 8552.8 | 8588.3 | 8626.3 | 8692.2 | 8639.0 | 8616.2 | 8611.1 | 8628.9 | 8547.7 | 8451.4 | 8423.5 |
| 35° | 9004.1 | 9029.5 | 9100.5 | 9156.3 | 9108.1 | 9054.8 | 9077.7 | 9133.5 | 9037.1 | 8907.8 | 8902.7 |
| 37.5° | 9503.7 | 9526.5 | 9617.8 | 9676.1 | 9640.6 | 9549.3 | 9587.3 | 9653.3 | 9556.9 | 9397.2 | 9364.2 |
| 40° | 10023.5 | 10071.6 | 10185.7 | 10246.6 | 10188.3 | 10066.6 | 10137.6 | 10208.6 | 10122.4 | 9937.3 | 9863.7 |
| 42.5° | 10606.7 | 10682.7 | 10847.6 | 10878.0 | 10766.4 | 10601.6 | 10725.8 | 10839.9 | 10779.1 | 10566.1 | 10538.2 |
| 45° | 11288.8 | 11334.4 | 11537.3 | 11603.2 | 11448.5 | 11243.1 | 11397.8 | 11605.7 | 11560.1 | 11314.1 | 11260.9 |
| 47.5° | 12052.0 | 12095.1 | 12305.6 | 12404.5 | 12209.2 | 11932.8 | 12211.7 | 12483.1 | 12455.2 | 12191.5 | 12166.1 |
| 50° | 12954.7 | 12964.8 | 13256.4 | 13368.0 | 13172.8 | 12934.4 | 13182.9 | 13520.1 | 13408.6 | 13071.3 | 13066.3 |
| 52.5° | 13943.6 | 13956.3 | 14323.9 | 14539.5 | 14430.4 | 14161.7 | 14455.8 | 14661.2 | 14377.2 | 13936.0 | 13903.0 |
| 55° | 14800.7 | 14864.0 | 15366.1 | 15939.2 | 16088.8 | 15893.5 | 15982.3 | 15885.9 | 15186.1 | 14567.4 | 14471.0 |
| 57.5° | 15150.6 | 15274.8 | 16038.1 | 17108.1 | 18081.8 | 18370.9 | 17686.2 | 16768.3 | 15508.1 | 14633.3 | 14539.5 |
| 60° | 14296.1 | 14430.4 | 15614.6 | 17645.7 | 20130.6 | 21385.8 | 19461.2 | 16917.9 | 14775.3 | 13545.5 | 13398.4 |
| 62.5° | 11448.5 | 11486.5 | 13228.5 | 16380.4 | 21324.9 | 24575.6 | 20209.2 | 15642.5 | 12642.8 | 10971.8 | 10913.5 |
| 64° | 8238.4 | 8628.9 | 10474.8 | 14362.0 | 20802.6 | 25790.2 | 19778.2 | 13854.9 | 10269.4 | 8578.1 | 8304.3 |
| 65° | 6161.7 | 6268.2 | 8443.8 | 12265.0 | 19882.1 | 25698.9 | 18941.4 | 12145.8 | 8504.6 | 6564.8 | 6260.5 |
| 67.5° | 2327.7 | 2340.4 | 3116.3 | 6113.5 | 14154.1 | 22111.0 | 14455.8 | 6607.9 | 3582.9 | 2591.4 | 2497.6 |
| 70° | 966.1 | 983.8 | 1143.6 | 2056.4 | 6083.1 | 14197.2 | 6970.5 | 2383.5 | 1310.9 | 1062.4 | 1047.2 |
| 72.5° | 707.4 | 717.6 | 765.8 | 912.8 | 1871.3 | 5829.5 | 2292.2 | 1011.7 | 768.3 | 687.2 | 679.6 |
| 75° | 555.3 | 560.4 | 595.9 | 672.0 | 872.3 | 1615.2 | 953.4 | 694.8 | 585.7 | 527.4 | 522.3 |
| 77.5° | 423.5 | 436.1 | 461.5 | 512.2 | 585.7 | 765.8 | 631.4 | 519.8 | 451.3 | 403.2 | 395.6 |
| 80° | 291.6 | 306.8 | 355.0 | 375.3 | 393.0 | 497.0 | 431.1 | 393.0 | 352.5 | 294.1 | 276.4 |
| 82.5° | 180.0 | 190.2 | 238.4 | 256.1 | 248.5 | 278.9 | 276.4 | 281.5 | 251.0 | 182.6 | 169.9 |
| 85° | 93.8 | 98.9 | 129.3 | 134.4 | 124.2 | 114.1 | 142.0 | 164.8 | 154.7 | 104.0 | 101.4 |
| 87.5° | 20.3 | 22.8 | 27.9 | 25.4 | 27.9 | 27.9 | 35.5 | 53.2 | 55.8 | 35.5 | 33.0 |
| 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)