

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: P527316

Luminaire Tested: **GLAN-SA2B-750-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2B-750-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9708 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

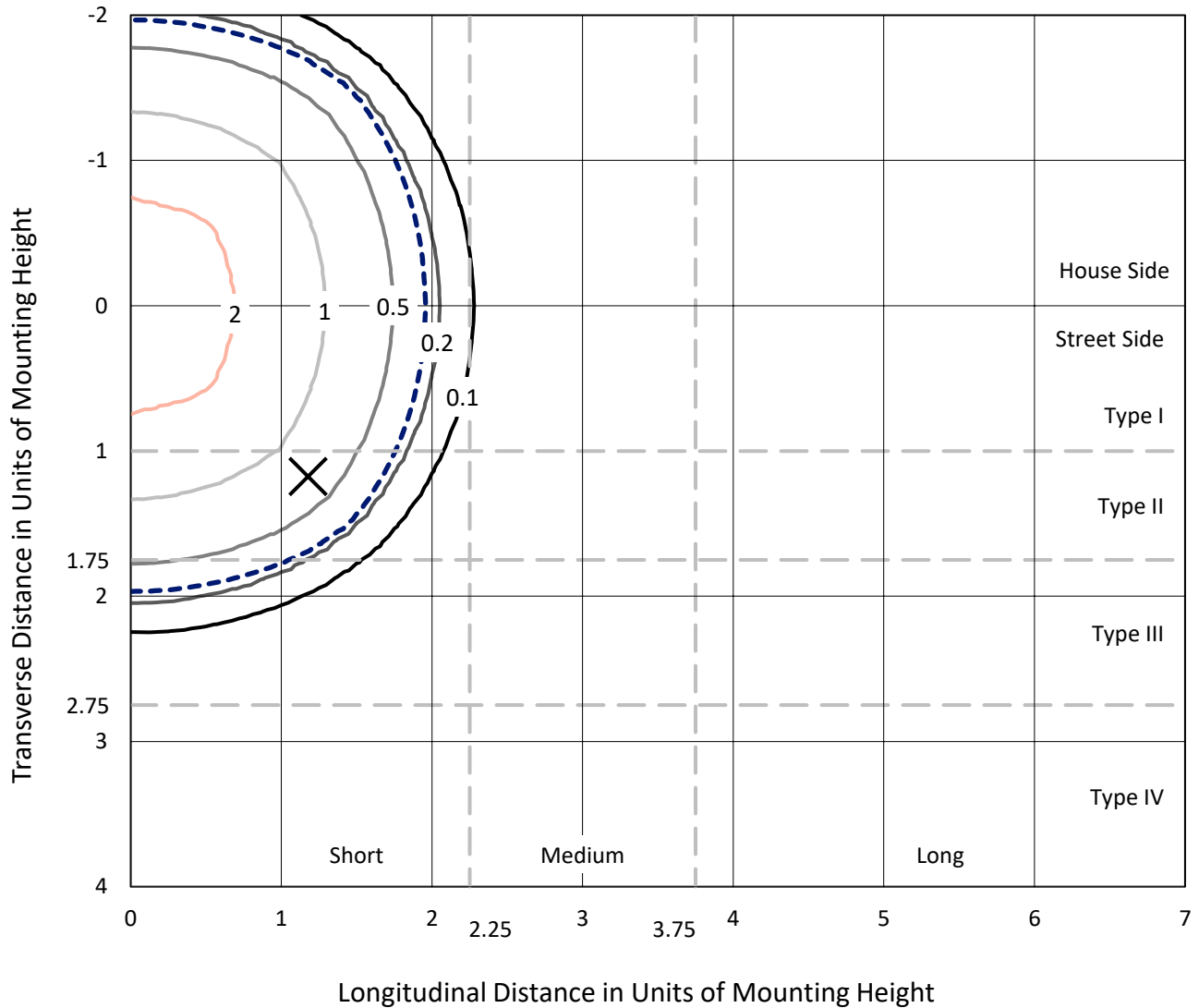
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527316
 CATALOG NUMBER: GLAN-SA2B-750-U-5WQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

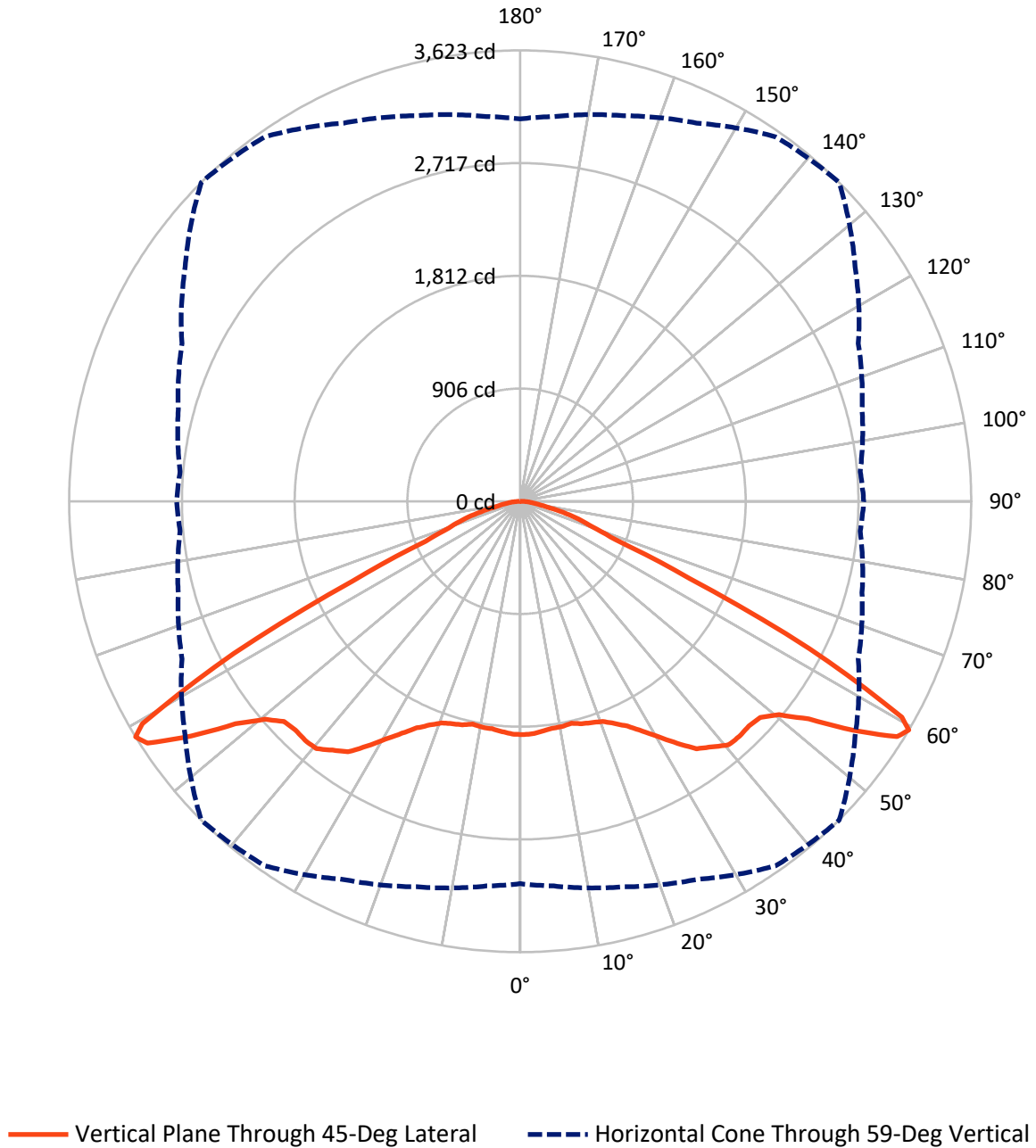
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type V - Short - N/A

REPORT NUMBER: P527316
CATALOG NUMBER: GLAN-SA2B-750-U-5WQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P527316
 CATALOG NUMBER: GLAN-SA2B-750-U-5WQ-GRSWH

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 4854.0 | 0.0 | 4854.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 4854.0 | 0.0 | 4854.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 9708.0 | 0.0 | 9708.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 176.8 | 1.8 |
| 10°-20° | 525.7 | 5.4 |
| 20°-30° | 917.9 | 9.5 |
| 30°-40° | 1466.0 | 15.1 |
| 40°-50° | 1996.9 | 20.6 |
| 50°-60° | 2700.4 | 27.8 |
| 60°-70° | 1480.9 | 15.3 |
| 70°-80° | 378.9 | 3.9 |
| 80°-90° | 64.6 | 0.7 |
| 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° | 9708.0 | 100.0 |
| 0°-180° | 9708.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P527316

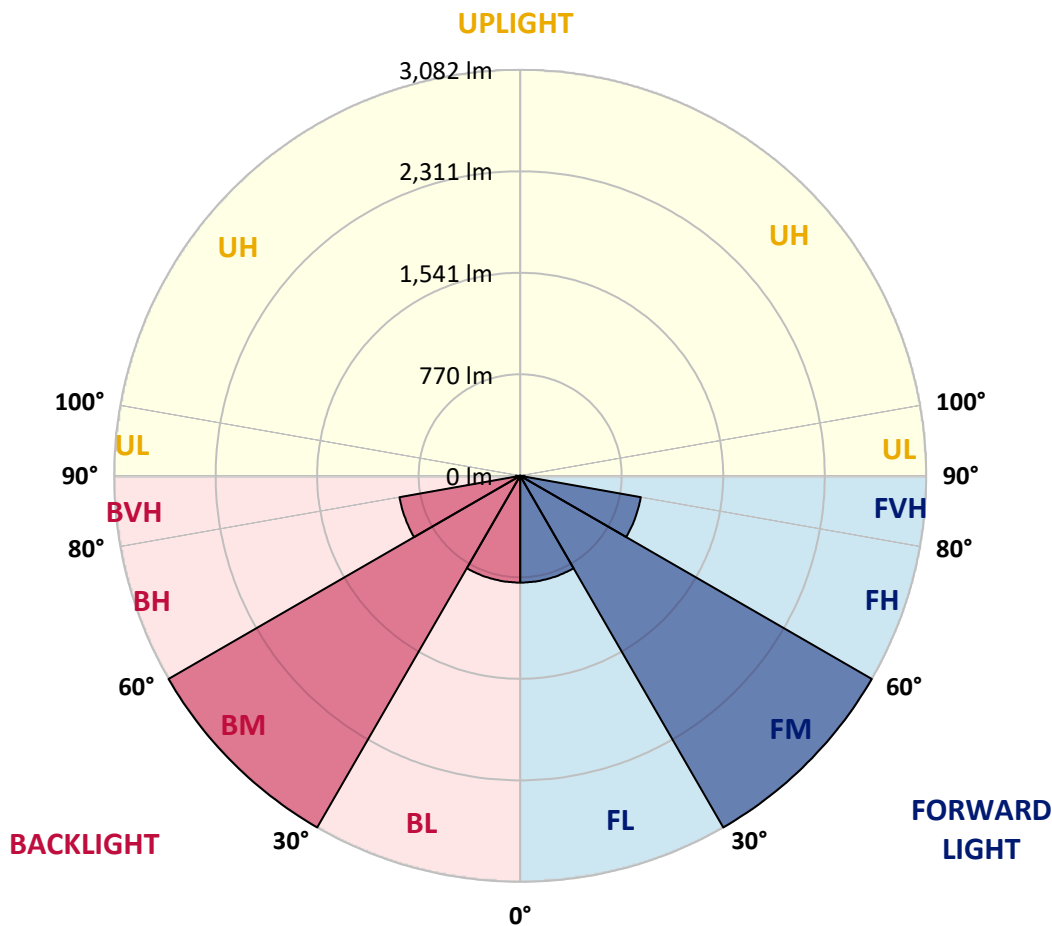
CATALOG NUMBER: GLAN-SA2B-750-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 810.1 | 8.3 | | | |
| FM (30°-60°) | 3081.7 | 31.7 | | | |
| FH (60°-80°) | 929.9 | 9.6 | | | G1/1800 |
| FVH (80°-90°) | 32.3 | 0.3 | | | G1/100 |
| BL (0°-30°) | 810.1 | 8.3 | B2/1000 | | |
| BM (30°-60°) | 3081.7 | 31.7 | B3/5000 | | |
| BH (60°-80°) | 929.9 | 9.6 | B2/1000 | | G1/1800 |
| BVH (80°-90°) | 32.3 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P527316

CATALOG NUMBER: GLAN-SA2B-750-U-5WQ-GRSWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1875.1 | 1875.1 | 1875.1 | 1875.1 | 1875.1 | 1875.1 | 1875.1 | 1875.1 | 1875.1 | 1875.1 | 1875.1 |
| 2.5° | 1863.9 | 1877.6 | 1867.7 | 1876.4 | 1875.1 | 1871.4 | 1865.2 | 1861.4 | 1856.5 | 1863.9 | 1851.5 |
| 5° | 1856.5 | 1867.7 | 1878.9 | 1863.9 | 1863.9 | 1856.5 | 1852.7 | 1845.3 | 1845.3 | 1844.0 | 1842.8 |
| 7.5° | 1868.9 | 1857.7 | 1852.7 | 1855.2 | 1857.7 | 1841.5 | 1852.7 | 1837.8 | 1825.4 | 1834.1 | 1844.0 |
| 10° | 1857.7 | 1862.7 | 1844.0 | 1852.7 | 1839.0 | 1841.5 | 1834.1 | 1844.0 | 1830.3 | 1830.3 | 1830.3 |
| 12.5° | 1868.9 | 1855.2 | 1861.4 | 1855.2 | 1851.5 | 1830.3 | 1840.3 | 1829.1 | 1827.8 | 1840.3 | 1829.1 |
| 15° | 1891.3 | 1868.9 | 1863.9 | 1851.5 | 1855.2 | 1855.2 | 1845.3 | 1846.5 | 1832.8 | 1840.3 | 1842.8 |
| 17.5° | 1883.8 | 1871.4 | 1867.7 | 1852.7 | 1865.2 | 1868.9 | 1850.2 | 1837.8 | 1846.5 | 1845.3 | 1844.0 |
| 20° | 1890.1 | 1895.0 | 1891.3 | 1893.8 | 1898.8 | 1888.8 | 1871.4 | 1854.0 | 1842.8 | 1858.9 | 1857.7 |
| 22.5° | 1929.9 | 1924.9 | 1922.4 | 1919.9 | 1928.6 | 1938.6 | 1914.9 | 1887.6 | 1887.6 | 1898.8 | 1903.7 |
| 25° | 1962.2 | 1961.0 | 1959.7 | 1970.9 | 2000.8 | 2000.8 | 1970.9 | 1936.1 | 1927.4 | 1934.8 | 1928.6 |
| 27.5° | 2009.5 | 2023.2 | 2018.2 | 2038.1 | 2081.7 | 2091.6 | 2051.8 | 2010.7 | 1987.1 | 1978.4 | 1989.6 |
| 30° | 2117.8 | 2101.6 | 2105.3 | 2126.5 | 2165.0 | 2197.4 | 2136.4 | 2092.9 | 2060.5 | 2059.3 | 2064.3 |
| 32.5° | 2189.9 | 2202.4 | 2213.6 | 2233.5 | 2294.4 | 2319.3 | 2245.9 | 2175.0 | 2155.1 | 2143.9 | 2147.6 |
| 35° | 2334.3 | 2323.1 | 2320.6 | 2340.5 | 2401.4 | 2442.5 | 2350.4 | 2288.2 | 2262.1 | 2287.0 | 2287.0 |
| 37.5° | 2471.1 | 2440.0 | 2416.4 | 2442.5 | 2498.5 | 2503.5 | 2425.1 | 2391.5 | 2377.8 | 2406.4 | 2405.2 |
| 40° | 2535.8 | 2533.3 | 2478.6 | 2493.5 | 2568.2 | 2575.6 | 2502.2 | 2462.4 | 2459.9 | 2497.3 | 2534.6 |
| 42.5° | 2603.0 | 2579.4 | 2524.6 | 2534.6 | 2580.6 | 2583.1 | 2513.4 | 2502.2 | 2529.6 | 2565.7 | 2568.2 |
| 45° | 2614.2 | 2594.3 | 2559.5 | 2534.6 | 2568.2 | 2575.6 | 2534.6 | 2542.1 | 2544.5 | 2588.1 | 2588.1 |
| 47.5° | 2636.6 | 2634.1 | 2614.2 | 2595.6 | 2601.8 | 2595.6 | 2569.4 | 2580.6 | 2618.0 | 2639.1 | 2629.2 |
| 50° | 2698.8 | 2672.7 | 2692.6 | 2676.4 | 2677.7 | 2695.1 | 2671.5 | 2682.7 | 2675.2 | 2656.5 | 2644.1 |
| 52.5° | 2835.7 | 2823.3 | 2840.7 | 2851.9 | 2864.3 | 2904.1 | 2876.8 | 2817.0 | 2761.0 | 2711.3 | 2710.0 |
| 55° | 3036.0 | 3044.7 | 3078.3 | 3135.6 | 3184.1 | 3247.6 | 3115.7 | 2972.6 | 2883.0 | 2804.6 | 2809.6 |
| 57.5° | 3225.2 | 3218.9 | 3265.0 | 3395.6 | 3537.5 | 3569.8 | 3311.0 | 3107.0 | 2961.4 | 2911.6 | 2890.4 |
| 59° | 3073.4 | 3103.2 | 3207.7 | 3353.3 | 3576.0 | 3623.3 | 3284.9 | 2997.5 | 2843.2 | 2742.4 | 2759.8 |
| 60° | 2834.5 | 2845.7 | 2939.0 | 3141.8 | 3442.9 | 3523.8 | 3109.4 | 2828.2 | 2622.9 | 2564.4 | 2590.6 |
| 62.5° | 2003.3 | 1994.6 | 2061.8 | 2227.3 | 2497.3 | 2606.8 | 2311.9 | 2114.0 | 1984.6 | 1919.9 | 1934.8 |
| 65° | 1065.1 | 1104.9 | 1132.3 | 1235.6 | 1378.7 | 1494.4 | 1372.4 | 1286.6 | 1214.4 | 1160.9 | 1159.7 |
| 67.5° | 719.2 | 714.2 | 720.4 | 744.1 | 792.6 | 825.0 | 822.5 | 778.9 | 772.7 | 762.7 | 773.9 |
| 70° | 606.0 | 603.5 | 592.3 | 592.3 | 602.2 | 609.7 | 618.4 | 623.4 | 633.3 | 645.8 | 644.5 |
| 72.5° | 491.5 | 485.3 | 477.8 | 474.1 | 486.5 | 490.2 | 501.4 | 506.4 | 515.1 | 513.9 | 525.1 |
| 75° | 324.8 | 324.8 | 333.5 | 343.4 | 347.2 | 354.6 | 355.9 | 370.8 | 370.8 | 373.3 | 363.3 |
| 77.5° | 181.7 | 176.7 | 182.9 | 192.9 | 201.6 | 215.3 | 228.9 | 240.1 | 246.4 | 243.9 | 243.9 |
| 80° | 105.8 | 105.8 | 112.0 | 123.2 | 134.4 | 146.8 | 156.8 | 165.5 | 171.7 | 169.2 | 164.2 |
| 82.5° | 65.9 | 65.9 | 72.2 | 83.4 | 92.1 | 99.5 | 113.2 | 124.4 | 131.9 | 129.4 | 123.2 |
| 85° | 33.6 | 33.6 | 41.1 | 48.5 | 59.7 | 64.7 | 63.5 | 58.5 | 57.2 | 51.0 | 51.0 |
| 87.5° | 8.7 | 8.7 | 12.4 | 13.7 | 11.2 | 12.4 | 12.4 | 12.4 | 12.4 | 12.4 | 13.7 |
| 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)