

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1209228

Luminaire Tested: UPW-SA2-110-727-U-RW

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209228
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-110-727-U-RW
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE C
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12618 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 113
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: 28.75 FT

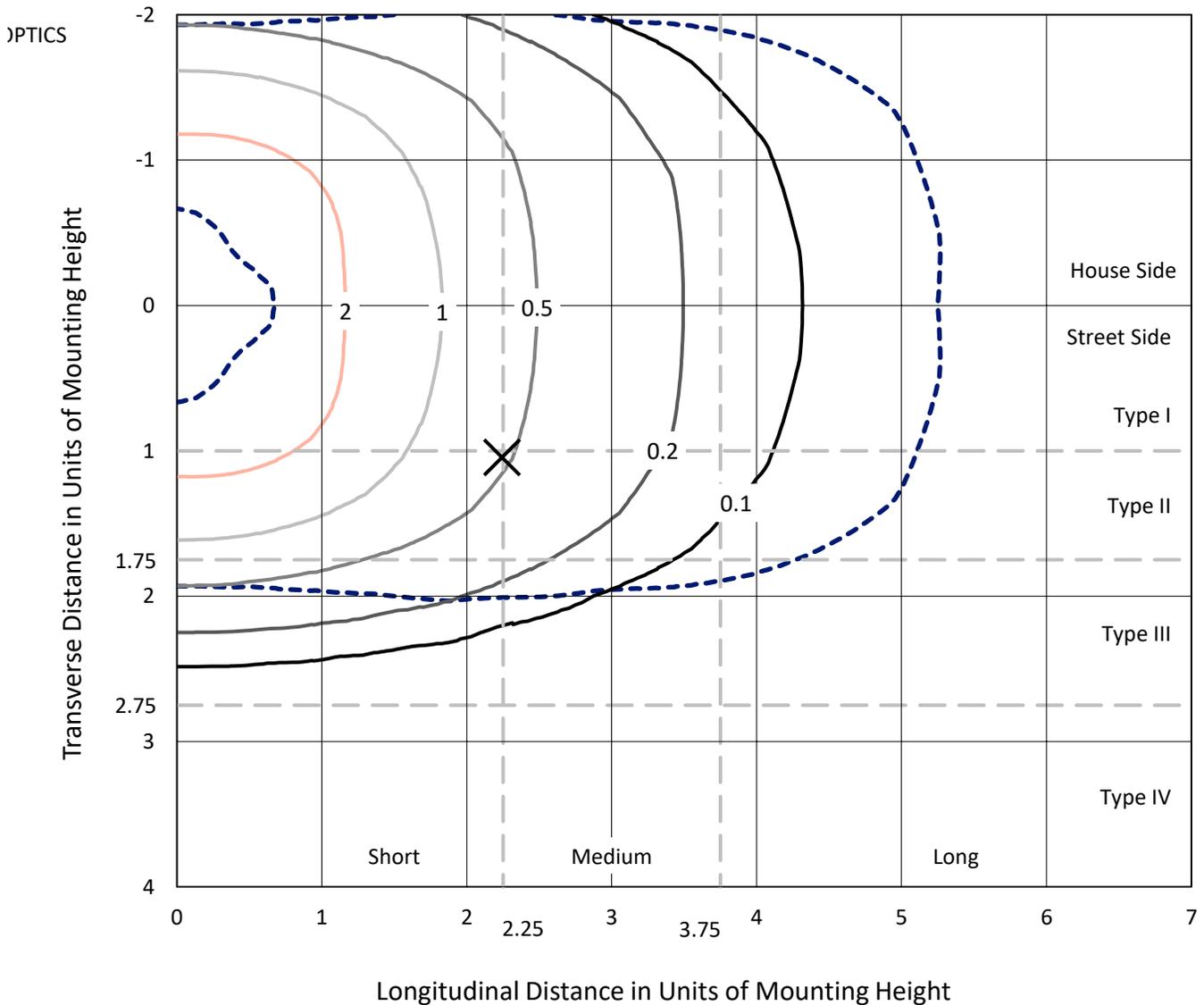


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

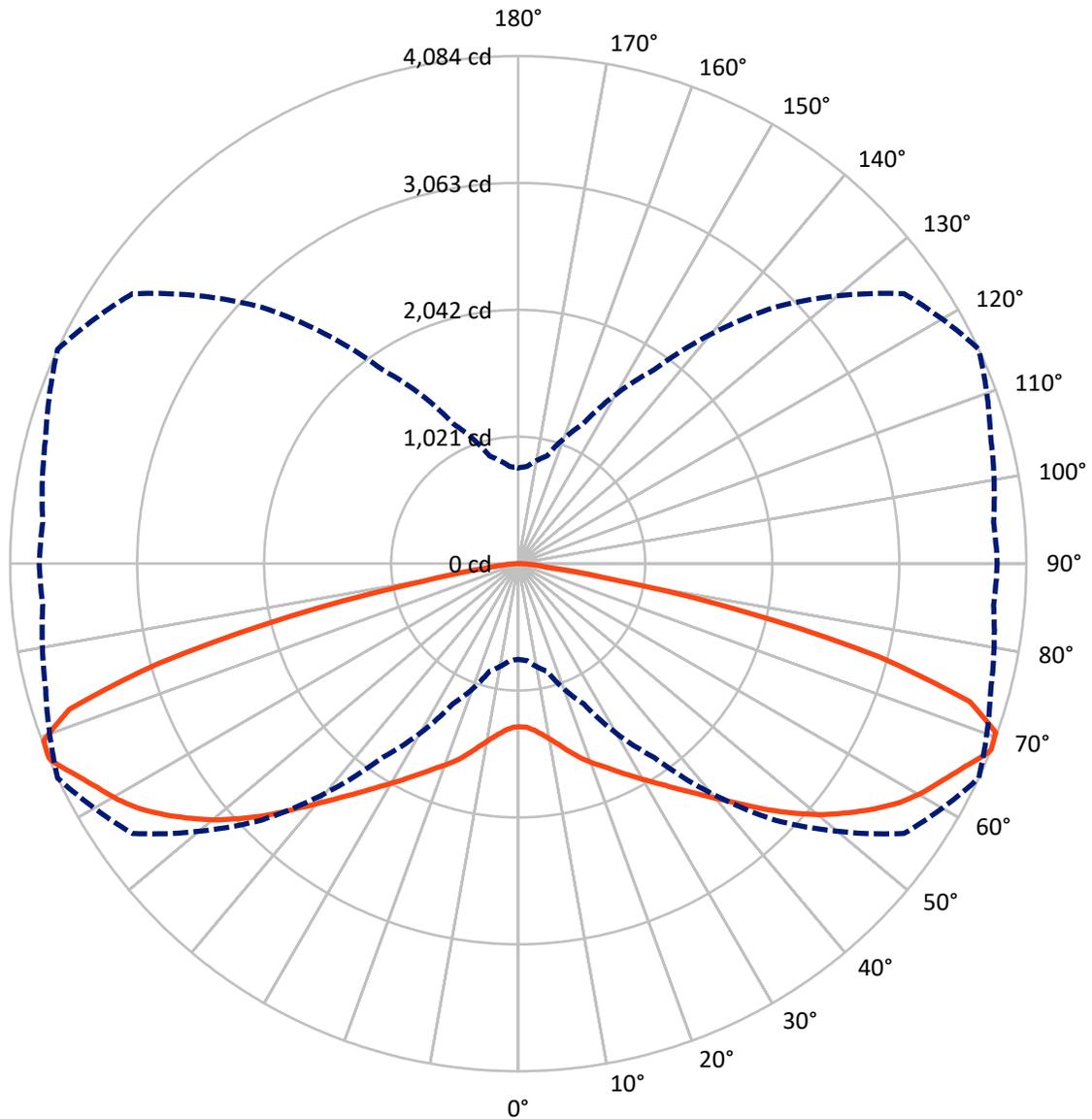


Based on 20 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6309.0 | 0.0 | 6309.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 6309.0 | 0.0 | 6309.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 12618.0 | 0.0 | 12618.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 128.4 | 1.0 |
| 10°-20° | 430.1 | 3.4 |
| 20°-30° | 838.6 | 6.6 |
| 30°-40° | 1408.8 | 11.2 |
| 40°-50° | 2219.8 | 17.6 |
| 50°-60° | 2968.5 | 23.5 |
| 60°-70° | 2885.8 | 22.9 |
| 70°-80° | 1577.5 | 12.5 |
| 80°-90° | 160.4 | 1.3 |
| 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° | 12618.0 | 100.0 |
| 0°-180° | 12618.0 | 100.0 |



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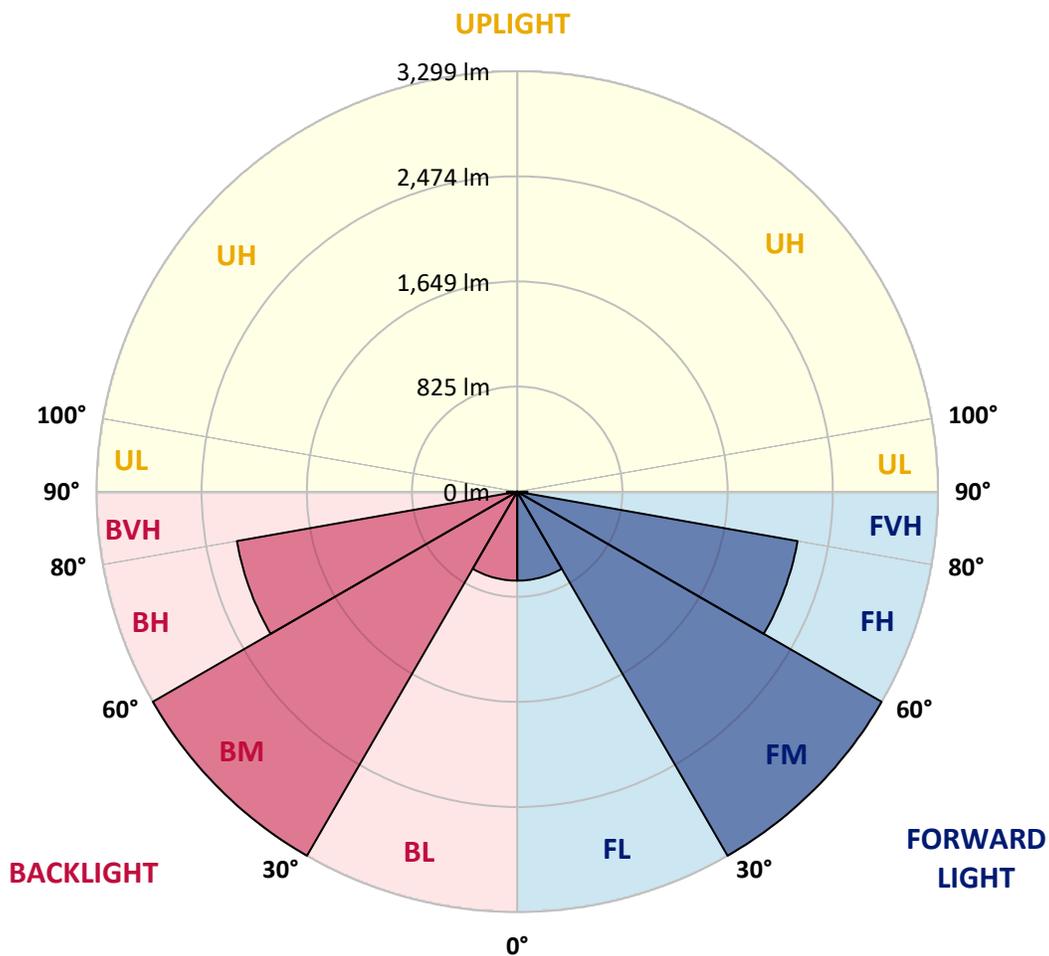
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 698.6 | 5.5 | | | |
| FM | (30°-60°) | 3298.5 | 26.1 | | | |
| FH | (60°-80°) | 2231.7 | 17.7 | | | G2/5000 |
| FVH | (80°-90°) | 80.2 | 0.6 | | | G1/100 |
| BL | (0°-30°) | 698.6 | 5.5 | B2/1000 | | |
| BM | (30°-60°) | 3298.5 | 26.1 | B3/5000 | | |
| BH | (60°-80°) | 2231.7 | 17.7 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 80.2 | 0.6 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1312.0 | 1312.0 | 1312.0 | 1312.0 | 1312.0 | 1312.0 | 1312.0 | 1312.0 | 1312.0 | 1312.0 | 1312.0 |
| 2.5° | 1302.7 | 1303.1 | 1305.2 | 1307.7 | 1309.9 | 1315.4 | 1316.6 | 1318.7 | 1319.6 | 1321.7 | 1321.7 |
| 5° | 1291.2 | 1292.1 | 1297.2 | 1303.9 | 1311.6 | 1325.1 | 1334.8 | 1345.8 | 1351.3 | 1357.2 | 1356.8 |
| 7.5° | 1290.0 | 1292.1 | 1299.3 | 1310.3 | 1323.0 | 1345.4 | 1365.7 | 1387.7 | 1402.5 | 1416.1 | 1415.2 |
| 10° | 1303.1 | 1306.5 | 1316.6 | 1333.1 | 1352.2 | 1380.1 | 1410.1 | 1439.7 | 1465.6 | 1486.3 | 1487.1 |
| 12.5° | 1323.0 | 1327.2 | 1343.3 | 1368.2 | 1397.0 | 1433.0 | 1468.5 | 1501.9 | 1537.5 | 1568.4 | 1570.9 |
| 15° | 1349.2 | 1354.7 | 1378.8 | 1416.1 | 1460.1 | 1502.8 | 1540.9 | 1575.1 | 1616.2 | 1658.9 | 1663.1 |
| 17.5° | 1388.1 | 1395.7 | 1427.5 | 1477.8 | 1535.8 | 1582.7 | 1622.5 | 1648.3 | 1682.6 | 1726.6 | 1734.6 |
| 20° | 1447.4 | 1457.1 | 1497.3 | 1557.4 | 1628.0 | 1677.1 | 1707.6 | 1713.1 | 1730.0 | 1769.3 | 1778.6 |
| 22.5° | 1524.4 | 1532.8 | 1577.7 | 1649.2 | 1728.3 | 1781.6 | 1797.7 | 1775.7 | 1774.0 | 1805.7 | 1814.6 |
| 25° | 1610.2 | 1617.9 | 1669.9 | 1750.3 | 1835.3 | 1894.1 | 1893.7 | 1851.0 | 1821.4 | 1845.9 | 1855.2 |
| 27.5° | 1706.7 | 1718.6 | 1768.5 | 1853.1 | 1944.1 | 2002.0 | 1998.6 | 1932.6 | 1876.4 | 1882.7 | 1890.8 |
| 30° | 1817.6 | 1830.7 | 1879.3 | 1965.2 | 2056.2 | 2112.9 | 2108.6 | 2021.5 | 1936.9 | 1919.9 | 1925.9 |
| 32.5° | 1955.1 | 1970.7 | 2016.8 | 2101.4 | 2181.8 | 2233.0 | 2220.8 | 2117.9 | 2009.6 | 1972.8 | 1978.3 |
| 35° | 2120.5 | 2129.8 | 2178.4 | 2261.8 | 2326.9 | 2362.1 | 2336.3 | 2229.6 | 2101.9 | 2057.4 | 2057.4 |
| 37.5° | 2288.0 | 2295.2 | 2349.8 | 2430.6 | 2493.6 | 2512.3 | 2461.9 | 2351.9 | 2222.4 | 2159.4 | 2160.7 |
| 40° | 2448.8 | 2468.3 | 2529.6 | 2612.5 | 2674.7 | 2679.8 | 2613.0 | 2491.5 | 2356.6 | 2291.4 | 2299.0 |
| 42.5° | 2616.8 | 2635.8 | 2709.0 | 2802.9 | 2857.9 | 2866.4 | 2788.1 | 2648.1 | 2508.0 | 2455.1 | 2463.6 |
| 45° | 2766.5 | 2781.8 | 2866.4 | 2975.5 | 3044.1 | 3066.1 | 2973.4 | 2827.5 | 2671.8 | 2620.1 | 2622.3 |
| 47.5° | 2871.0 | 2890.9 | 2984.0 | 3112.6 | 3212.5 | 3246.3 | 3155.3 | 3002.2 | 2833.0 | 2770.3 | 2775.8 |
| 50° | 2965.8 | 2976.4 | 3070.7 | 3211.2 | 3338.1 | 3407.9 | 3330.1 | 3174.8 | 2995.8 | 2929.4 | 2935.3 |
| 52.5° | 3018.7 | 3032.2 | 3123.6 | 3270.0 | 3420.2 | 3532.7 | 3485.3 | 3330.1 | 3153.2 | 3088.5 | 3095.7 |
| 55° | 2981.9 | 2992.0 | 3101.6 | 3283.1 | 3471.0 | 3609.7 | 3616.9 | 3482.0 | 3307.6 | 3251.0 | 3271.3 |
| 57.5° | 2814.3 | 2827.0 | 2960.7 | 3198.5 | 3477.3 | 3661.8 | 3715.9 | 3622.8 | 3451.9 | 3405.8 | 3417.7 |
| 60° | 2552.4 | 2560.5 | 2703.1 | 2970.5 | 3353.8 | 3683.3 | 3779.0 | 3737.9 | 3593.2 | 3547.1 | 3563.2 |
| 62.5° | 2085.8 | 2097.6 | 2268.1 | 2626.5 | 3092.7 | 3619.5 | 3839.9 | 3833.1 | 3724.8 | 3682.5 | 3696.9 |
| 65° | 1425.8 | 1446.5 | 1635.2 | 2088.3 | 2690.4 | 3424.0 | 3895.3 | 3944.0 | 3841.2 | 3787.8 | 3806.9 |
| 67.5° | 861.0 | 876.2 | 1012.9 | 1378.8 | 2058.7 | 3029.7 | 3838.2 | 4070.0 | 3923.2 | 3837.3 | 3853.0 |
| 68° | 769.6 | 783.5 | 897.8 | 1244.3 | 1904.3 | 2918.4 | 3786.2 | 4084.4 | 3932.1 | 3836.5 | 3850.5 |
| 70° | 465.0 | 474.3 | 550.9 | 769.2 | 1269.7 | 2315.1 | 3431.2 | 4072.6 | 3988.8 | 3848.3 | 3856.4 |
| 72.5° | 302.9 | 305.9 | 318.6 | 394.7 | 648.6 | 1294.6 | 2575.3 | 3795.0 | 4073.8 | 3917.3 | 3916.0 |
| 75° | 251.7 | 250.0 | 251.3 | 260.2 | 319.8 | 567.8 | 1504.9 | 2998.0 | 3883.5 | 3808.6 | 3781.9 |
| 77.5° | 212.8 | 211.5 | 211.1 | 211.5 | 214.1 | 274.2 | 653.2 | 1867.5 | 2971.7 | 3369.0 | 3392.7 |
| 80° | 172.2 | 170.5 | 176.0 | 173.5 | 165.8 | 170.5 | 273.7 | 776.8 | 1400.8 | 1507.0 | 1412.2 |
| 82.5° | 125.2 | 118.9 | 142.6 | 135.8 | 129.5 | 120.2 | 151.0 | 250.9 | 334.2 | 229.3 | 161.2 |
| 85° | 96.5 | 89.7 | 108.3 | 104.1 | 88.8 | 61.3 | 89.7 | 122.7 | 135.4 | 77.4 | 60.9 |
| 87.5° | 39.3 | 41.5 | 78.3 | 61.8 | 52.0 | 29.6 | 36.8 | 49.1 | 66.0 | 33.0 | 25.4 |
| 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)