

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: P1207876

Luminaire Tested: UPW-SA1-030-750-U-5NQ

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207876
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-750-U-5NQ
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5134 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 34
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

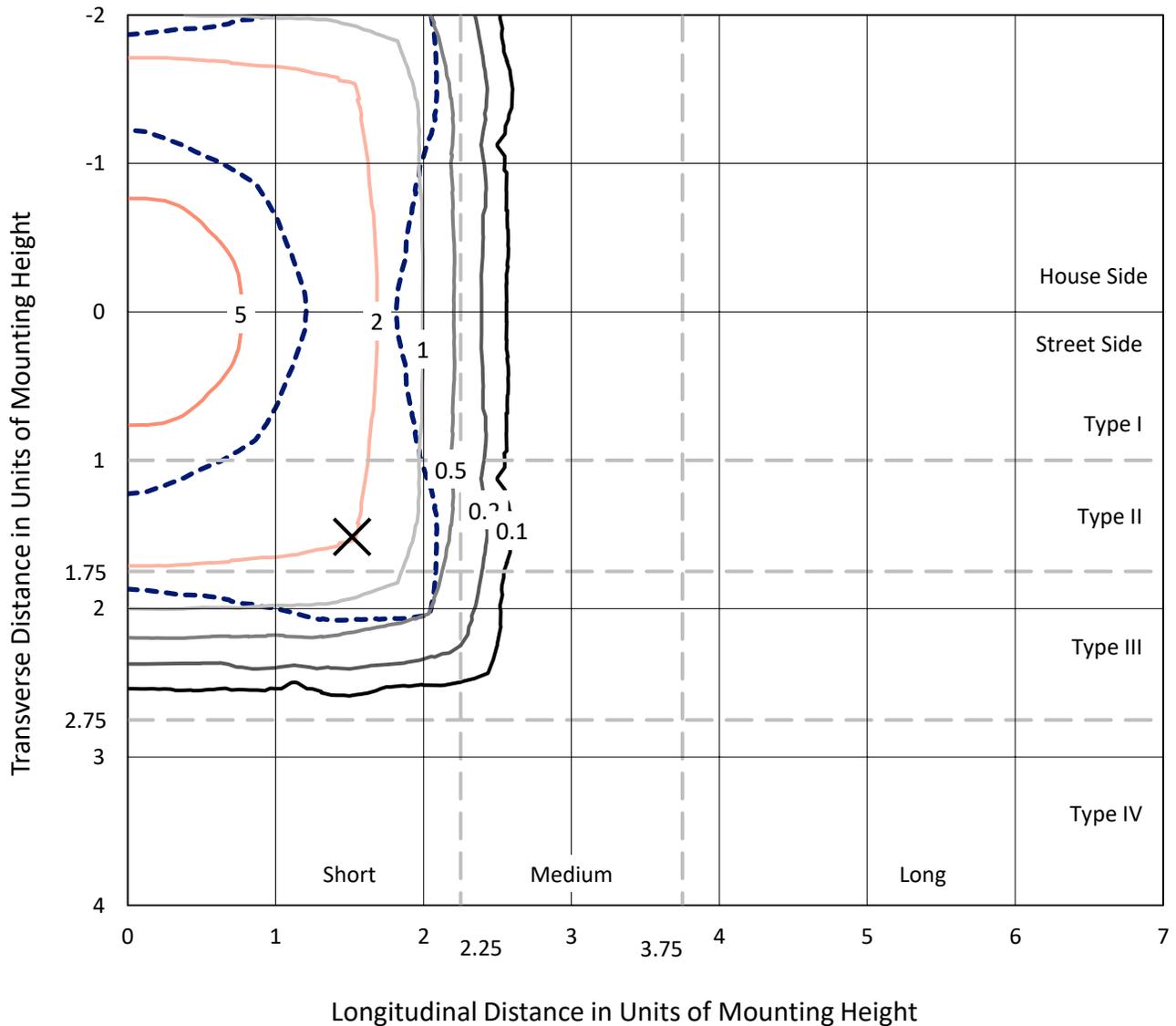


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Iso-Footcandle Lines of Horizontal Illumination

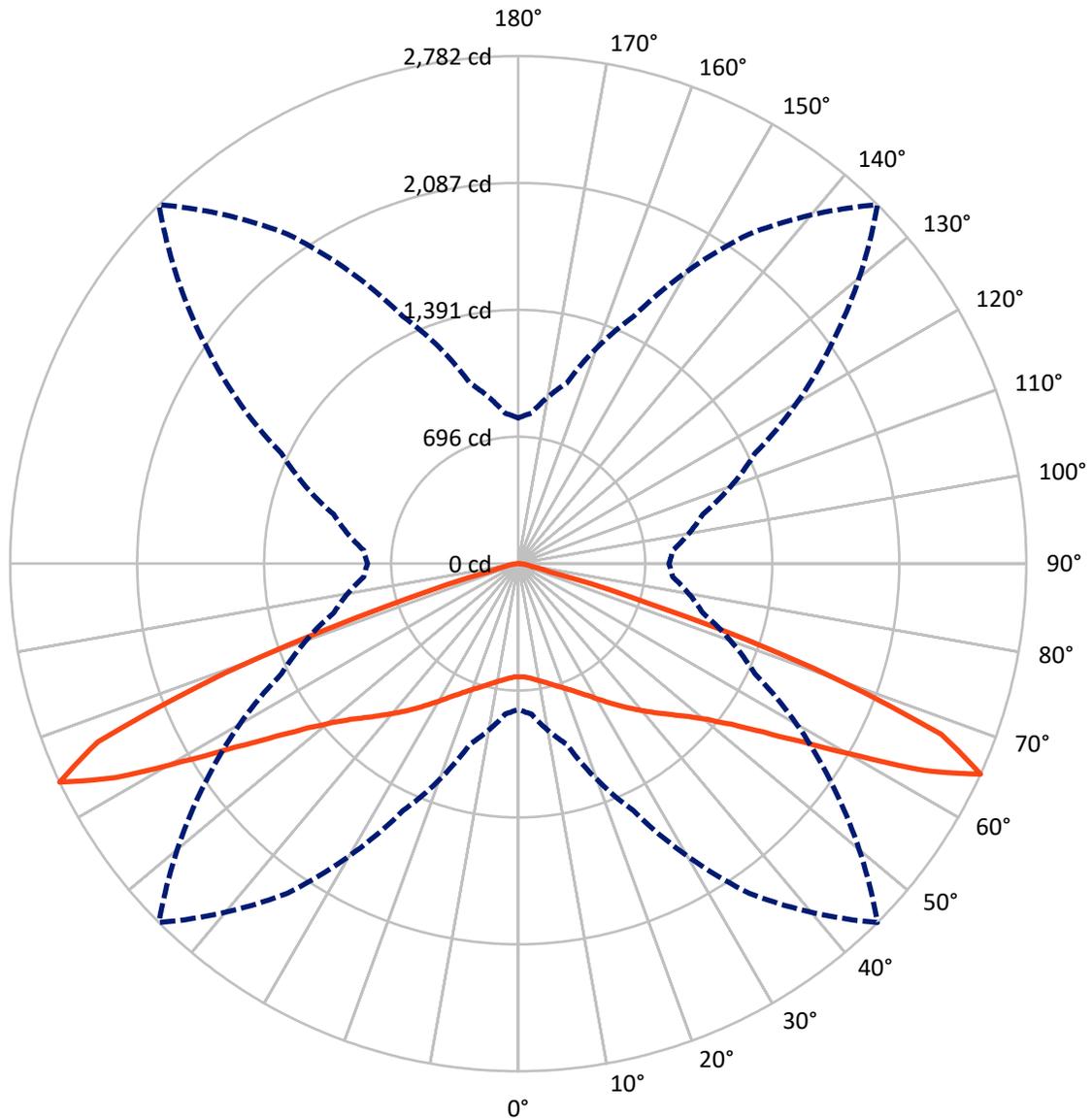
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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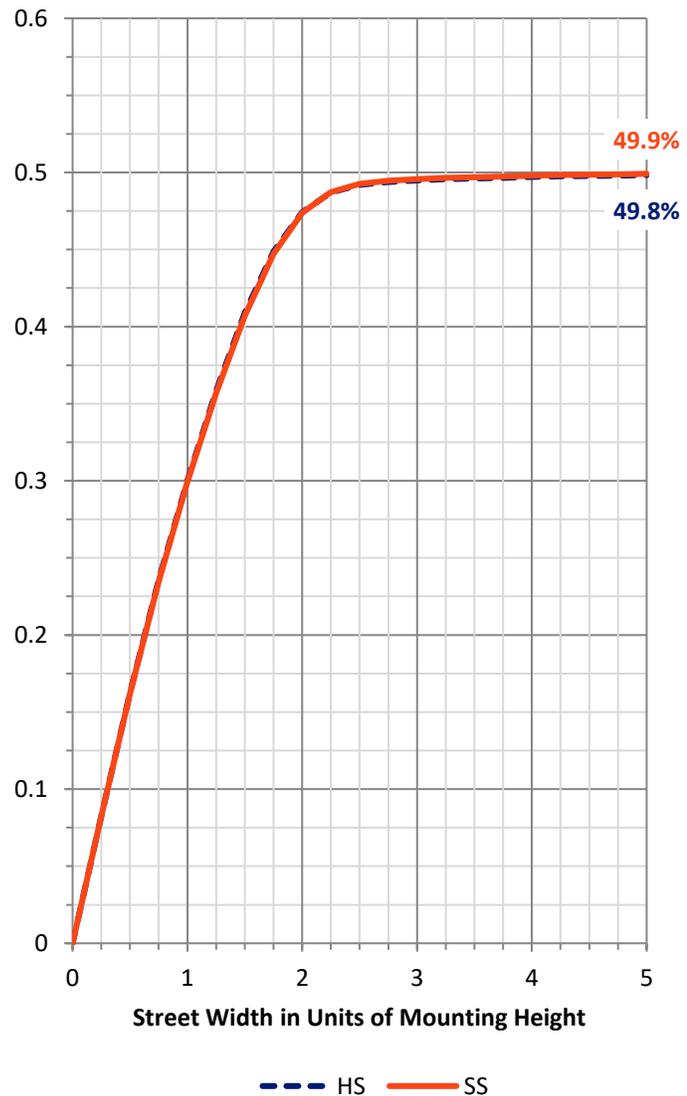
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2567.0 | 0.0 | 2567.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 2567.0 | 0.0 | 2567.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 5134.0 | 0.0 | 5134.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 60.8 | 1.2 |
| 10°-20° | 195.5 | 3.8 |
| 20°-30° | 366.8 | 7.1 |
| 30°-40° | 606.7 | 11.8 |
| 40°-50° | 939.7 | 18.3 |
| 50°-60° | 1441.2 | 28.1 |
| 60°-70° | 1344.8 | 26.2 |
| 70°-80° | 156.5 | 3.0 |
| 80°-90° | 22.0 | 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° | 5134.0 | 100.0 |
| 0°-180° | 5134.0 | 100.0 |



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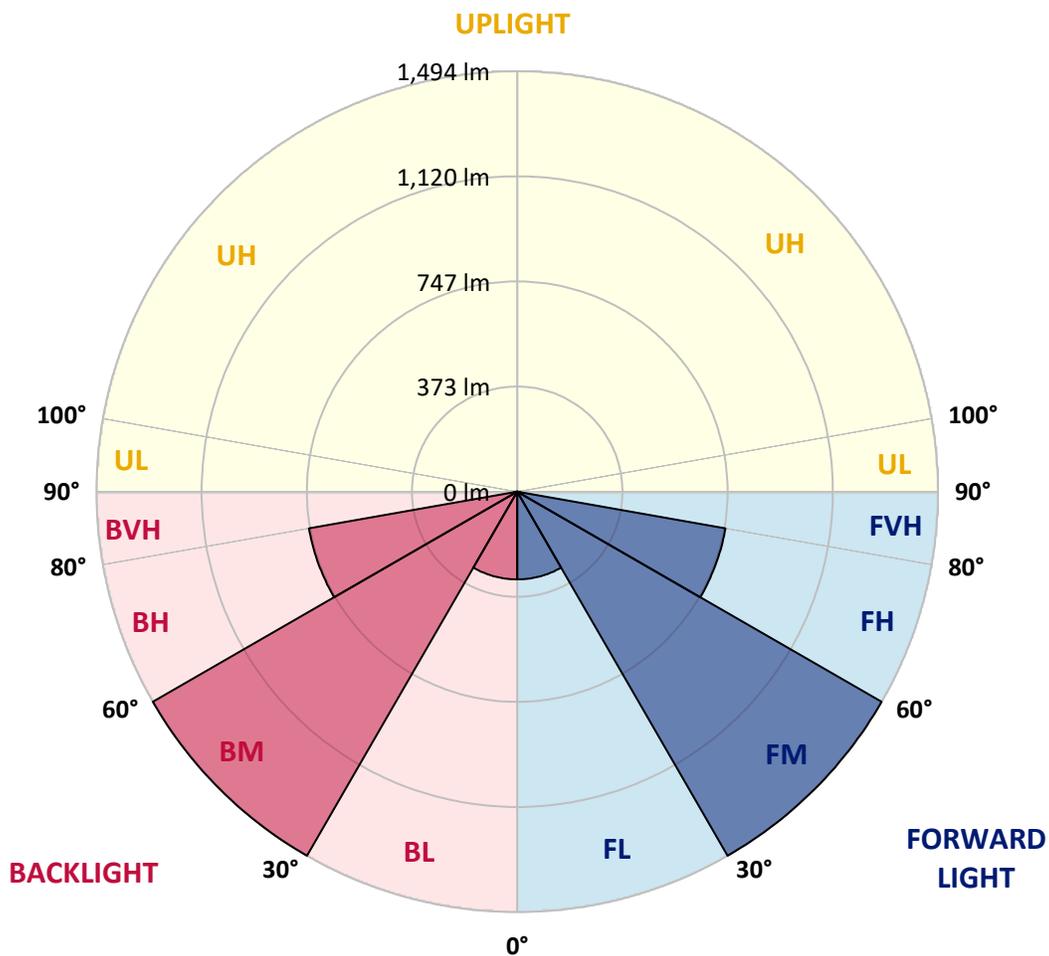
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 311.6 | 6.1 | | | |
| FM (30°-60°) | 1493.8 | 29.1 | | | |
| FH (60°-80°) | 750.6 | 14.6 | | | G1/1800 |
| FVH (80°-90°) | 11.0 | 0.2 | | | G1/100 |
| BL (0°-30°) | 311.6 | 6.1 | B1/500 | | |
| BM (30°-60°) | 1493.8 | 29.1 | B2/2500 | | |
| BH (60°-80°) | 750.6 | 14.6 | B2/1000 | | G1/1800 |
| BVH (80°-90°) | 11.0 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 620.0 | 620.0 | 620.0 | 620.0 | 620.0 | 620.0 | 620.0 | 620.0 | 620.0 | 620.0 | 620.0 |
| 2.5° | 622.0 | 621.7 | 622.0 | 622.2 | 621.2 | 621.7 | 621.5 | 622.4 | 622.7 | 622.4 | 622.4 |
| 5° | 629.2 | 628.7 | 629.4 | 630.2 | 628.9 | 629.2 | 628.7 | 629.7 | 630.1 | 629.4 | 629.9 |
| 7.5° | 639.1 | 639.3 | 639.9 | 641.5 | 640.6 | 641.3 | 640.3 | 640.4 | 640.3 | 639.3 | 639.4 |
| 10° | 649.8 | 650.0 | 651.2 | 653.2 | 653.6 | 653.6 | 652.9 | 652.4 | 651.7 | 651.0 | 651.2 |
| 12.5° | 662.8 | 663.6 | 664.5 | 667.0 | 667.0 | 668.4 | 668.1 | 666.7 | 665.5 | 664.5 | 664.5 |
| 15° | 680.3 | 680.2 | 681.2 | 683.7 | 684.9 | 687.1 | 687.1 | 685.3 | 683.7 | 682.7 | 682.4 |
| 17.5° | 698.7 | 699.2 | 699.9 | 703.0 | 704.9 | 707.4 | 707.8 | 706.2 | 705.2 | 703.8 | 703.0 |
| 20° | 720.2 | 721.1 | 723.8 | 725.0 | 726.7 | 729.1 | 729.9 | 729.6 | 728.6 | 727.9 | 728.0 |
| 22.5° | 745.3 | 747.5 | 749.2 | 750.9 | 752.9 | 754.6 | 755.5 | 756.7 | 755.7 | 755.1 | 754.8 |
| 25° | 775.6 | 777.1 | 780.5 | 783.6 | 785.0 | 785.5 | 786.5 | 788.2 | 788.0 | 786.8 | 786.8 |
| 27.5° | 810.0 | 812.9 | 817.2 | 821.6 | 821.6 | 819.9 | 823.3 | 826.2 | 825.2 | 823.6 | 821.6 |
| 30° | 851.8 | 854.5 | 859.4 | 865.6 | 862.5 | 861.3 | 865.9 | 871.2 | 869.7 | 867.1 | 866.8 |
| 32.5° | 896.8 | 899.3 | 905.8 | 912.4 | 908.5 | 906.8 | 911.8 | 919.4 | 916.7 | 911.6 | 908.5 |
| 35° | 945.5 | 948.1 | 957.3 | 965.3 | 958.6 | 955.7 | 959.8 | 968.2 | 963.4 | 953.9 | 951.5 |
| 37.5° | 998.5 | 999.9 | 1011.8 | 1020.0 | 1015.4 | 1007.7 | 1012.8 | 1019.0 | 1014.9 | 1003.3 | 998.7 |
| 40° | 1053.5 | 1058.5 | 1072.3 | 1081.8 | 1073.8 | 1061.7 | 1070.3 | 1078.8 | 1072.6 | 1057.8 | 1050.0 |
| 42.5° | 1117.8 | 1121.5 | 1140.0 | 1148.5 | 1135.5 | 1118.5 | 1130.1 | 1141.7 | 1135.5 | 1121.2 | 1114.4 |
| 45° | 1184.6 | 1190.4 | 1212.4 | 1220.9 | 1202.2 | 1180.5 | 1194.7 | 1214.9 | 1214.4 | 1193.8 | 1186.6 |
| 47.5° | 1257.4 | 1263.2 | 1289.4 | 1300.7 | 1280.4 | 1251.4 | 1271.3 | 1300.0 | 1297.9 | 1275.3 | 1269.5 |
| 50° | 1341.4 | 1347.5 | 1380.2 | 1394.4 | 1375.5 | 1341.7 | 1371.7 | 1396.9 | 1393.2 | 1365.3 | 1365.8 |
| 52.5° | 1446.9 | 1446.5 | 1487.3 | 1511.8 | 1492.4 | 1462.6 | 1490.2 | 1514.7 | 1499.2 | 1460.5 | 1459.3 |
| 55° | 1539.3 | 1544.9 | 1595.3 | 1641.8 | 1640.7 | 1629.2 | 1640.3 | 1641.3 | 1597.0 | 1545.6 | 1539.3 |
| 57.5° | 1599.9 | 1610.7 | 1681.7 | 1765.9 | 1829.0 | 1844.1 | 1822.7 | 1757.6 | 1653.8 | 1571.5 | 1561.4 |
| 60° | 1562.6 | 1579.0 | 1690.6 | 1862.2 | 2048.0 | 2137.1 | 2015.9 | 1814.0 | 1609.6 | 1494.9 | 1481.3 |
| 62.5° | 1310.7 | 1338.3 | 1501.8 | 1815.7 | 2236.4 | 2497.0 | 2156.0 | 1723.5 | 1434.1 | 1276.1 | 1252.8 |
| 65° | 798.3 | 827.4 | 1024.4 | 1494.4 | 2205.9 | 2782.0 | 2092.1 | 1430.5 | 1046.7 | 850.2 | 825.0 |
| 67.5° | 266.0 | 274.5 | 390.6 | 826.0 | 1733.7 | 2499.6 | 1736.6 | 856.4 | 455.5 | 302.0 | 293.1 |
| 70° | 104.1 | 105.0 | 123.9 | 239.4 | 818.7 | 1716.8 | 903.4 | 243.7 | 129.5 | 102.4 | 104.6 |
| 72.5° | 76.5 | 76.9 | 82.1 | 100.0 | 213.4 | 756.3 | 221.0 | 100.5 | 79.9 | 71.7 | 71.7 |
| 75° | 61.5 | 61.5 | 65.3 | 72.9 | 95.6 | 173.5 | 97.0 | 72.1 | 62.5 | 57.3 | 56.6 |
| 77.5° | 48.6 | 49.6 | 52.5 | 57.4 | 64.8 | 83.5 | 67.1 | 57.1 | 50.4 | 45.5 | 44.5 |
| 80° | 36.1 | 37.2 | 41.9 | 44.3 | 46.5 | 57.9 | 49.6 | 44.7 | 39.9 | 34.1 | 33.1 |
| 82.5° | 23.7 | 24.7 | 30.7 | 32.0 | 31.5 | 37.8 | 33.4 | 32.9 | 29.3 | 22.0 | 21.0 |
| 85° | 15.5 | 15.8 | 20.5 | 21.3 | 19.6 | 17.2 | 21.3 | 22.5 | 20.5 | 14.3 | 13.8 |
| 87.5° | 7.3 | 7.3 | 10.4 | 9.7 | 8.9 | 7.2 | 9.7 | 11.4 | 11.6 | 7.0 | 6.8 |
| 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)