

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: P1208904

Luminaire Tested: UPW-SA2-070-827-U-RW

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208904  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-070-827-U-RW  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OF  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7308 lumens  
Efficiency: N/A  
Efficacy: 110.7 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): 66  
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

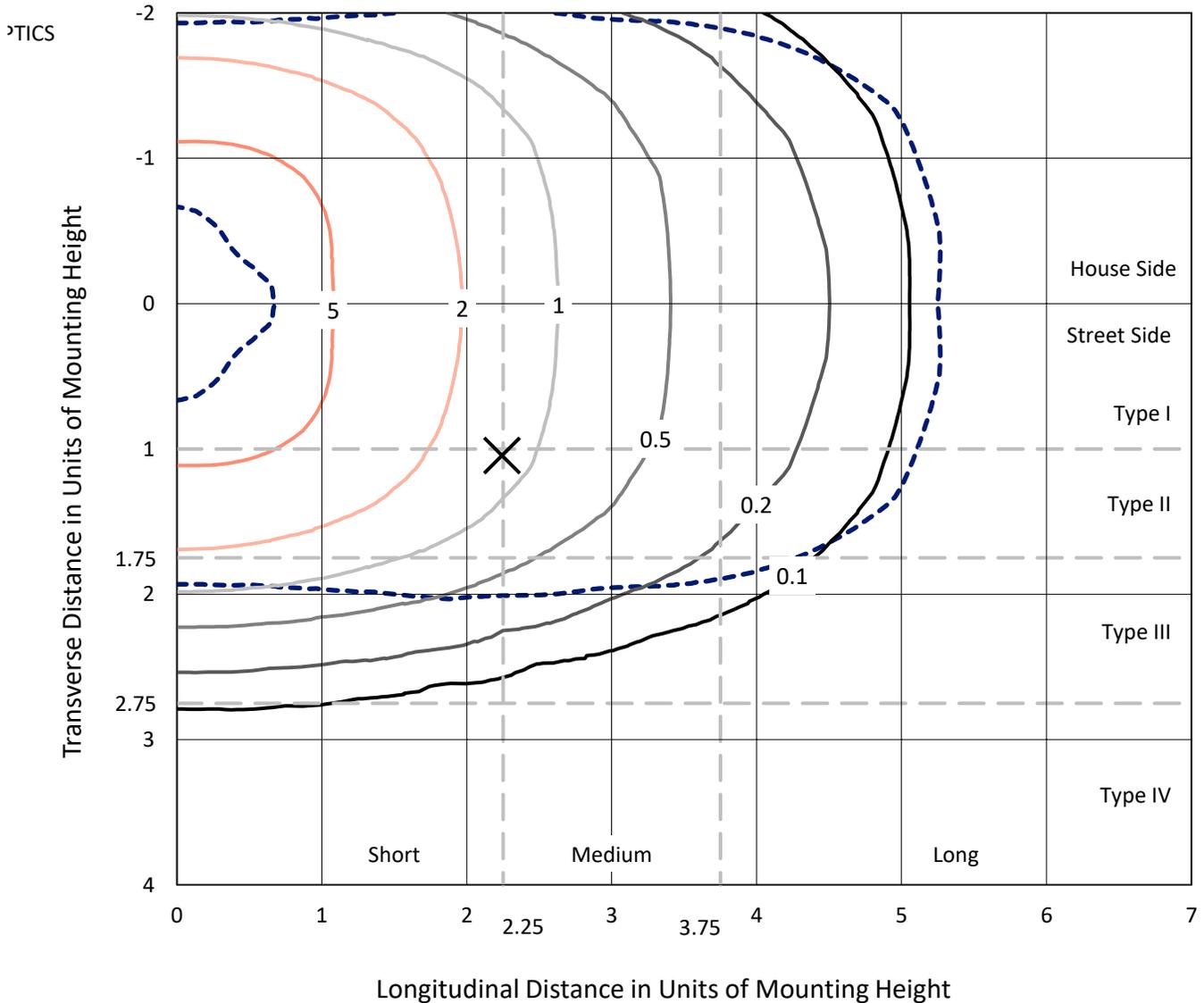


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

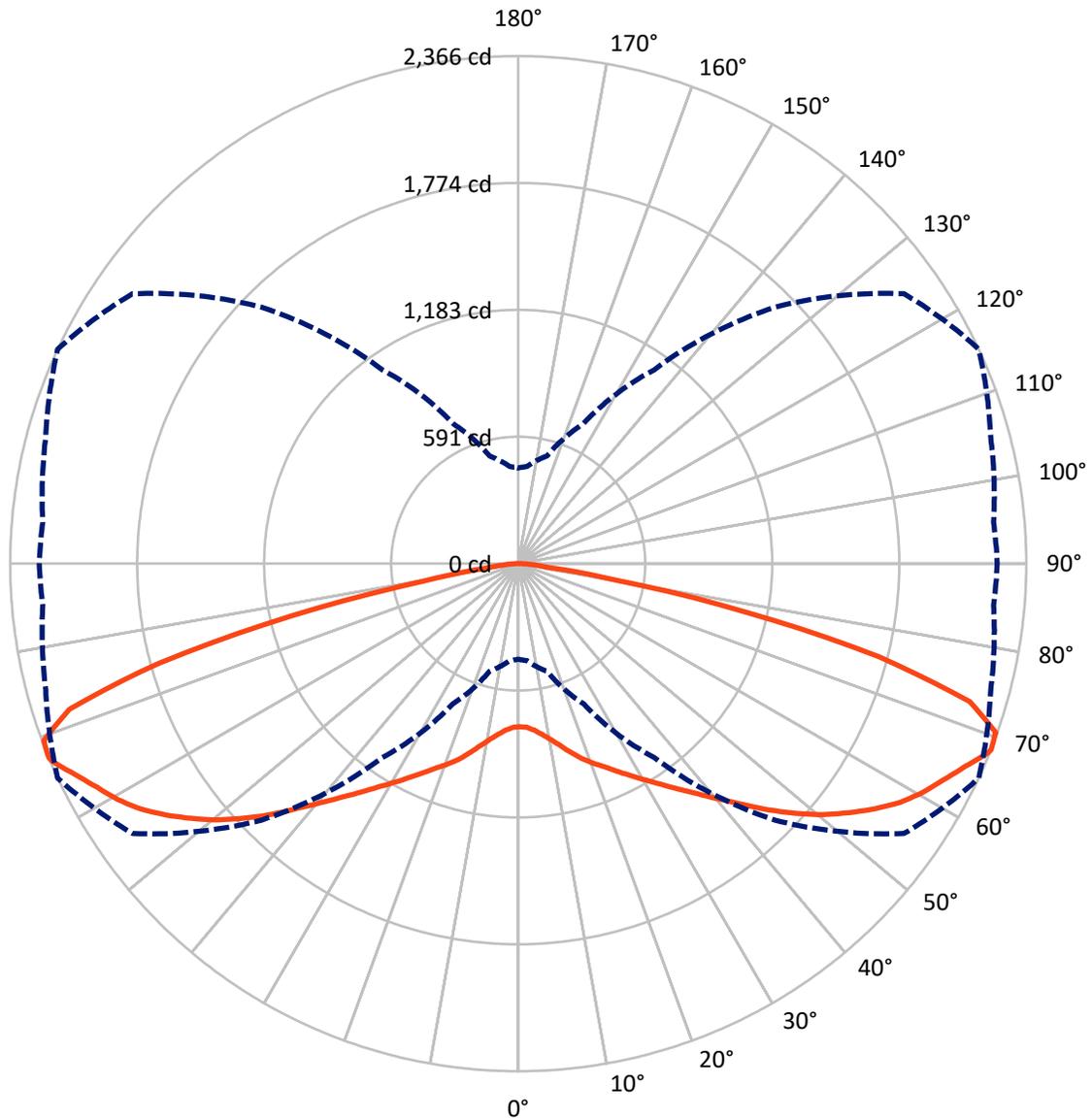


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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

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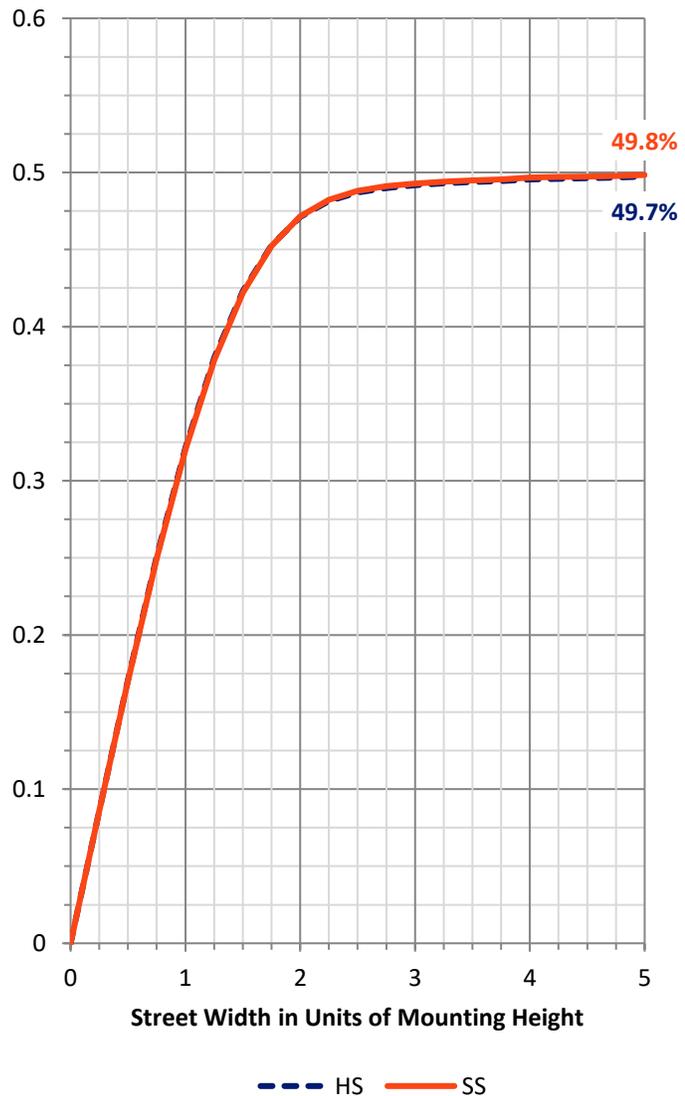
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3654.0   | 0.0    | 3654.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3654.0   | 0.0    | 3654.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 7308.0   | 0.0    | 7308.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 74.4   | 1.0       |
| 10°-20°   | 249.1  | 3.4       |
| 20°-30°   | 485.7  | 6.6       |
| 30°-40°   | 815.9  | 11.2      |
| 40°-50°   | 1285.6 | 17.6      |
| 50°-60°   | 1719.3 | 23.5      |
| 60°-70°   | 1671.4 | 22.9      |
| 70°-80°   | 913.6  | 12.5      |
| 80°-90°   | 92.9   | 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°    | 7308.0 | 100.0     |
| 0°-180°   | 7308.0 | 100.0     |



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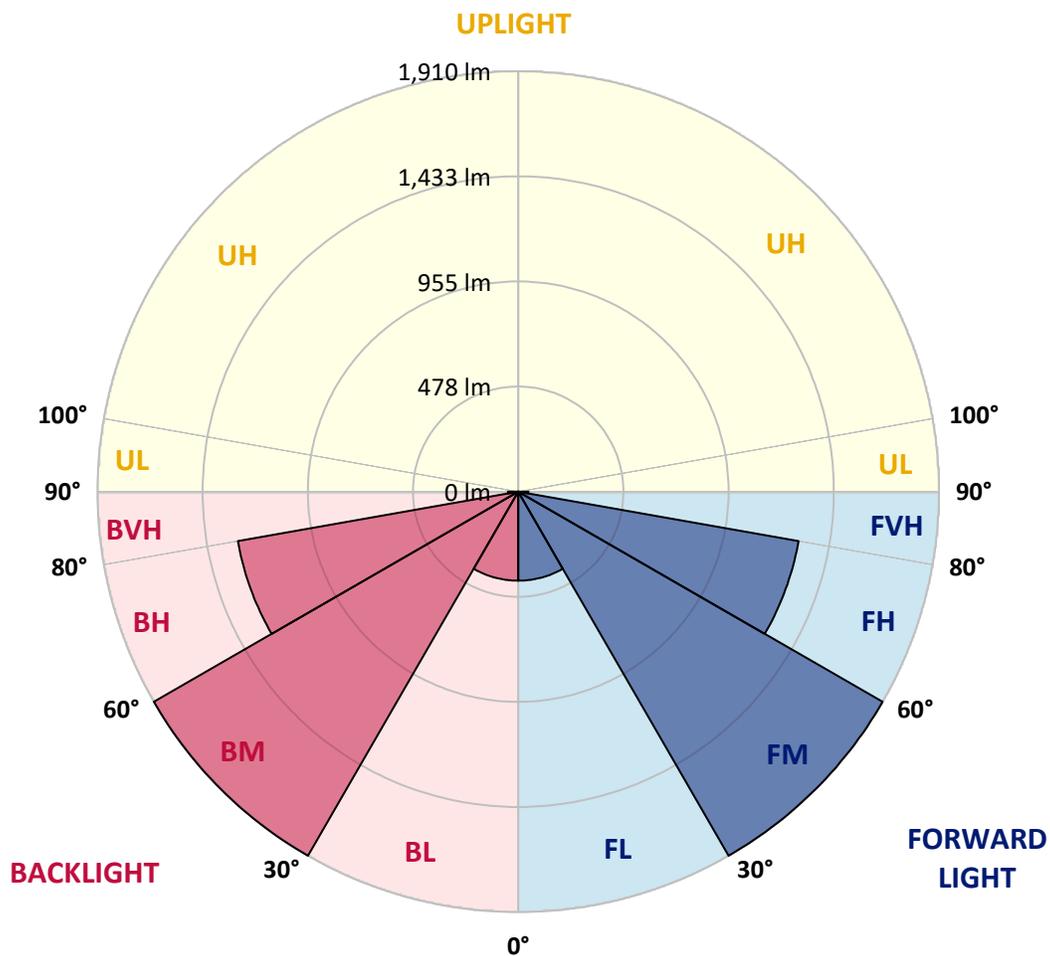
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 404.6  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 1910.4 | 26.1      |                         |      |         |
| FH   | (60°-80°)   | 1292.5 | 17.7      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 46.5   | 0.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 404.6  | 5.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1910.4 | 26.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1292.5 | 17.7      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 46.5   | 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°    | 759.9  | 759.9  | 759.9  | 759.9  | 759.9  | 759.9  | 759.9  | 759.9  | 759.9  | 759.9  | 759.9  |
| 2.5°  | 754.5  | 754.7  | 755.9  | 757.4  | 758.6  | 761.8  | 762.6  | 763.8  | 764.3  | 765.5  | 765.5  |
| 5°    | 747.9  | 748.3  | 751.3  | 755.2  | 759.6  | 767.5  | 773.1  | 779.5  | 782.6  | 786.1  | 785.8  |
| 7.5°  | 747.1  | 748.3  | 752.5  | 758.9  | 766.2  | 779.2  | 791.0  | 803.7  | 812.3  | 820.1  | 819.6  |
| 10°   | 754.7  | 756.7  | 762.6  | 772.1  | 783.1  | 799.3  | 816.7  | 833.9  | 848.8  | 860.8  | 861.3  |
| 12.5° | 766.2  | 768.7  | 778.0  | 792.4  | 809.1  | 829.9  | 850.5  | 869.9  | 890.5  | 908.4  | 909.8  |
| 15°   | 781.4  | 784.6  | 798.6  | 820.1  | 845.6  | 870.4  | 892.4  | 912.3  | 936.0  | 960.8  | 963.2  |
| 17.5° | 804.0  | 808.4  | 826.8  | 855.9  | 889.5  | 916.7  | 939.7  | 954.7  | 974.5  | 1000.0 | 1004.7 |
| 20°   | 838.3  | 843.9  | 867.2  | 902.0  | 942.9  | 971.3  | 989.0  | 992.2  | 1002.0 | 1024.7 | 1030.1 |
| 22.5° | 882.9  | 887.8  | 913.7  | 955.2  | 1001.0 | 1031.9 | 1041.2 | 1028.4 | 1027.4 | 1045.8 | 1051.0 |
| 25°   | 932.6  | 937.0  | 967.2  | 1013.7 | 1063.0 | 1097.0 | 1096.8 | 1072.0 | 1054.9 | 1069.1 | 1074.5 |
| 27.5° | 988.5  | 995.3  | 1024.3 | 1073.3 | 1125.9 | 1159.5 | 1157.6 | 1119.3 | 1086.7 | 1090.4 | 1095.1 |
| 30°   | 1052.7 | 1060.3 | 1088.5 | 1138.2 | 1190.9 | 1223.7 | 1221.3 | 1170.8 | 1121.8 | 1112.0 | 1115.4 |
| 32.5° | 1132.3 | 1141.4 | 1168.1 | 1217.1 | 1263.7 | 1293.3 | 1286.2 | 1226.7 | 1163.9 | 1142.6 | 1145.8 |
| 35°   | 1228.1 | 1233.5 | 1261.7 | 1310.0 | 1347.7 | 1368.0 | 1353.1 | 1291.3 | 1217.3 | 1191.6 | 1191.6 |
| 37.5° | 1325.2 | 1329.3 | 1360.9 | 1407.7 | 1444.2 | 1455.0 | 1425.9 | 1362.2 | 1287.2 | 1250.7 | 1251.4 |
| 40°   | 1418.3 | 1429.5 | 1465.1 | 1513.1 | 1549.1 | 1552.1 | 1513.3 | 1443.0 | 1364.9 | 1327.1 | 1331.5 |
| 42.5° | 1515.6 | 1526.6 | 1569.0 | 1623.4 | 1655.2 | 1660.1 | 1614.8 | 1533.7 | 1452.6 | 1422.0 | 1426.9 |
| 45°   | 1602.3 | 1611.1 | 1660.1 | 1723.3 | 1763.0 | 1775.8 | 1722.1 | 1637.6 | 1547.4 | 1517.5 | 1518.7 |
| 47.5° | 1662.8 | 1674.3 | 1728.2 | 1802.7 | 1860.6 | 1880.2 | 1827.5 | 1738.8 | 1640.8 | 1604.5 | 1607.7 |
| 50°   | 1717.7 | 1723.8 | 1778.5 | 1859.8 | 1933.3 | 1973.8 | 1928.7 | 1838.8 | 1735.1 | 1696.6 | 1700.1 |
| 52.5° | 1748.3 | 1756.2 | 1809.1 | 1893.9 | 1980.9 | 2046.1 | 2018.6 | 1928.7 | 1826.3 | 1788.8 | 1792.9 |
| 55°   | 1727.0 | 1732.9 | 1796.4 | 1901.5 | 2010.3 | 2090.7 | 2094.8 | 2016.7 | 1915.7 | 1882.9 | 1894.6 |
| 57.5° | 1630.0 | 1637.3 | 1714.8 | 1852.5 | 2014.0 | 2120.8 | 2152.2 | 2098.3 | 1999.3 | 1972.5 | 1979.4 |
| 60°   | 1478.3 | 1483.0 | 1565.5 | 1720.4 | 1942.4 | 2133.3 | 2188.7 | 2164.9 | 2081.1 | 2054.4 | 2063.7 |
| 62.5° | 1208.0 | 1214.9 | 1313.6 | 1521.2 | 1791.2 | 2096.3 | 2224.0 | 2220.0 | 2157.3 | 2132.8 | 2141.1 |
| 65°   | 825.8  | 837.8  | 947.1  | 1209.5 | 1558.2 | 1983.1 | 2256.1 | 2284.2 | 2224.7 | 2193.8 | 2204.8 |
| 67.5° | 498.7  | 507.5  | 586.6  | 798.6  | 1192.4 | 1754.7 | 2223.0 | 2357.3 | 2272.2 | 2222.5 | 2231.6 |
| 68°   | 445.7  | 453.8  | 520.0  | 720.7  | 1102.9 | 1690.3 | 2192.8 | 2365.6 | 2277.4 | 2222.0 | 2230.1 |
| 70°   | 269.3  | 274.7  | 319.0  | 445.5  | 735.4  | 1340.8 | 1987.3 | 2358.7 | 2310.2 | 2228.9 | 2233.5 |
| 72.5° | 175.4  | 177.2  | 184.5  | 228.6  | 375.6  | 749.8  | 1491.5 | 2198.0 | 2359.5 | 2268.8 | 2268.1 |
| 75°   | 145.8  | 144.8  | 145.6  | 150.7  | 185.2  | 328.8  | 871.6  | 1736.3 | 2249.2 | 2205.8 | 2190.4 |
| 77.5° | 123.3  | 122.5  | 122.3  | 122.5  | 124.0  | 158.8  | 378.3  | 1081.6 | 1721.1 | 1951.2 | 1965.0 |
| 80°   | 99.7   | 98.7   | 101.9  | 100.5  | 96.1   | 98.7   | 158.5  | 449.9  | 811.3  | 872.8  | 817.9  |
| 82.5° | 72.5   | 68.9   | 82.6   | 78.7   | 75.0   | 69.6   | 87.5   | 145.3  | 193.6  | 132.8  | 93.4   |
| 85°   | 55.9   | 51.9   | 62.7   | 60.3   | 51.5   | 35.5   | 51.9   | 71.1   | 78.4   | 44.8   | 35.3   |
| 87.5° | 22.8   | 24.0   | 45.3   | 35.8   | 30.1   | 17.2   | 21.3   | 28.4   | 38.2   | 19.1   | 14.7   |
| 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)