

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: INVUE

Report Number: P672806

Luminaire Tested: **CCP-SA-2D-727-U-RW**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672806
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-727-U-RW
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ RW distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9487.9 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

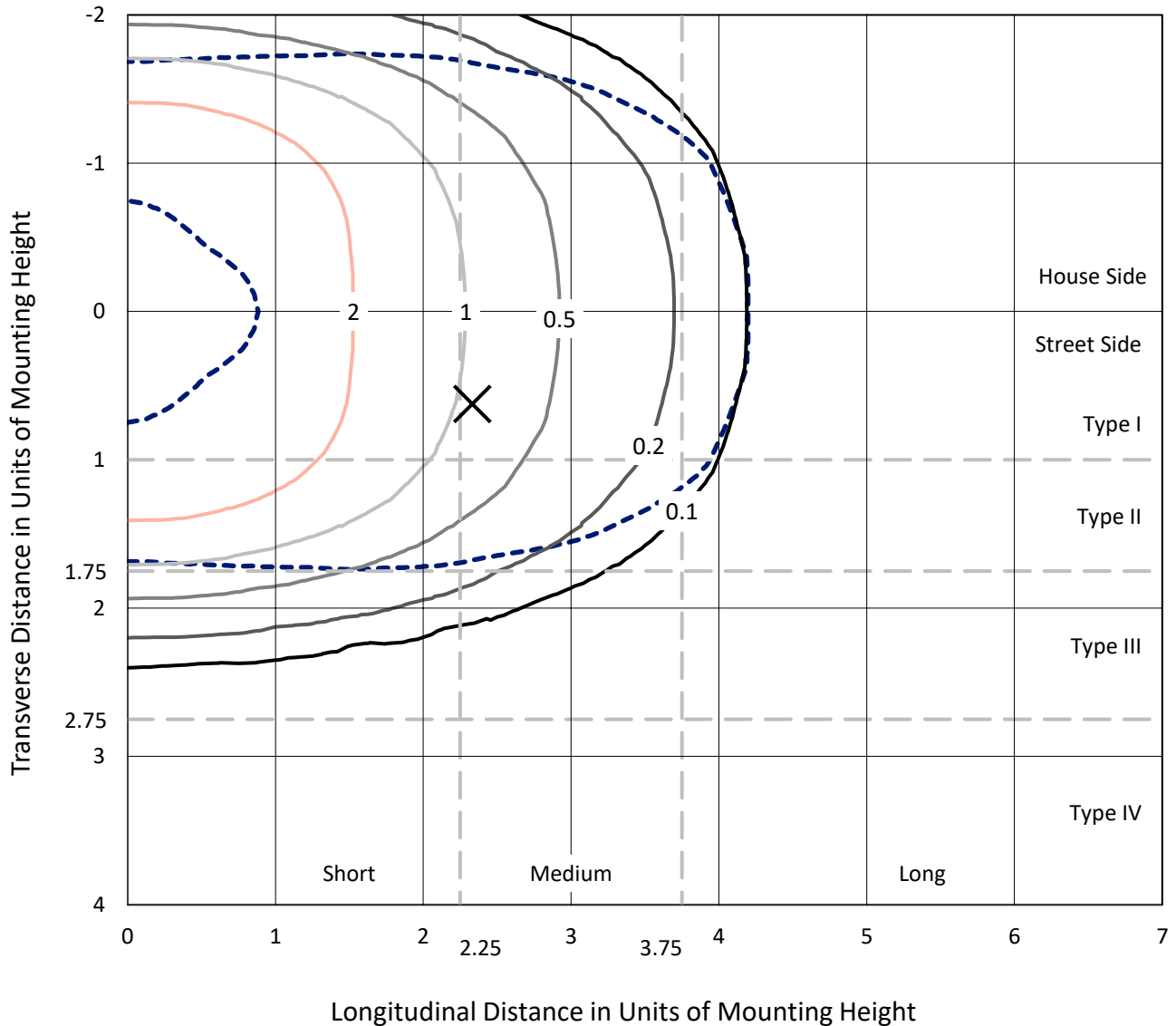
Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

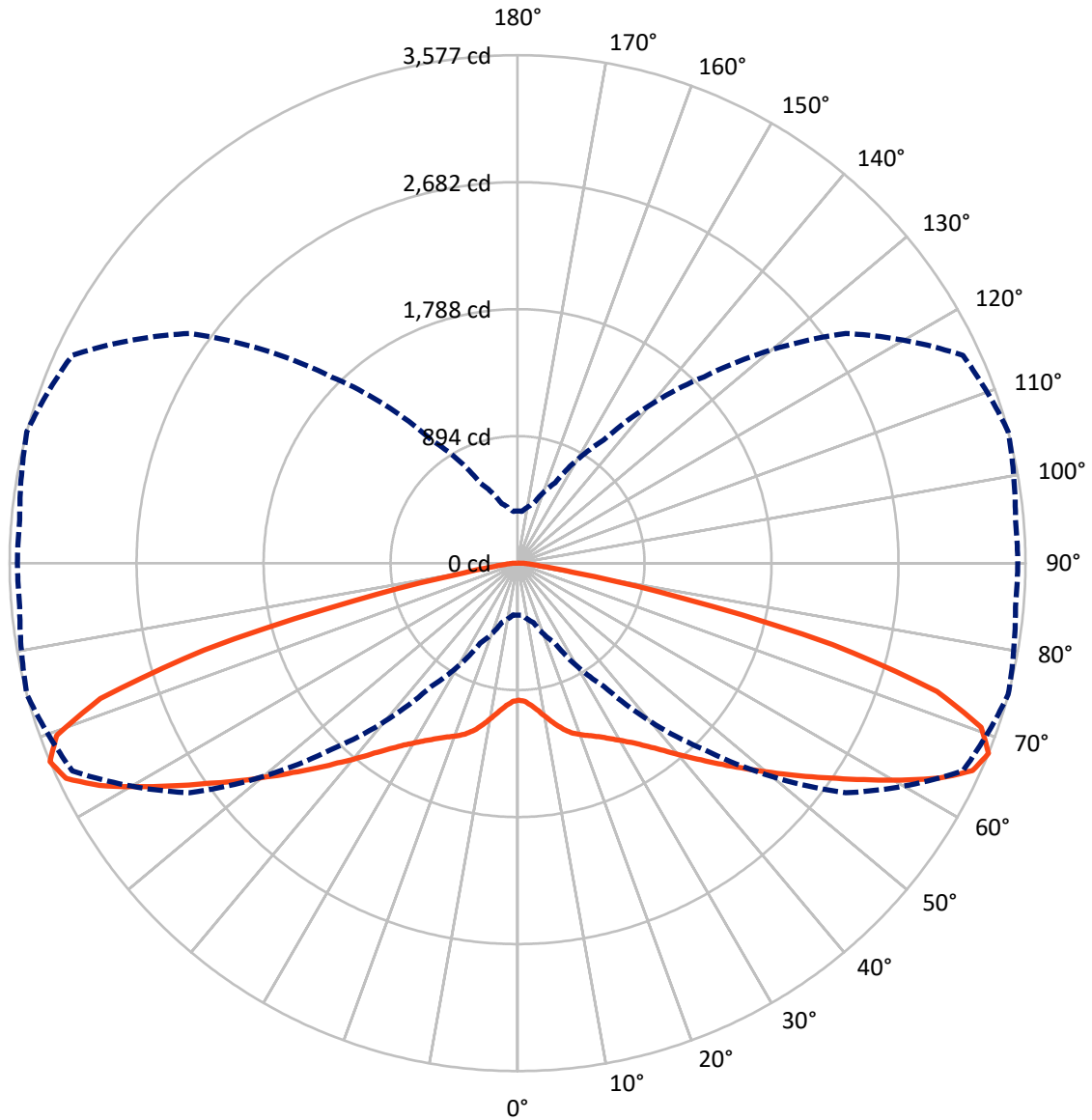
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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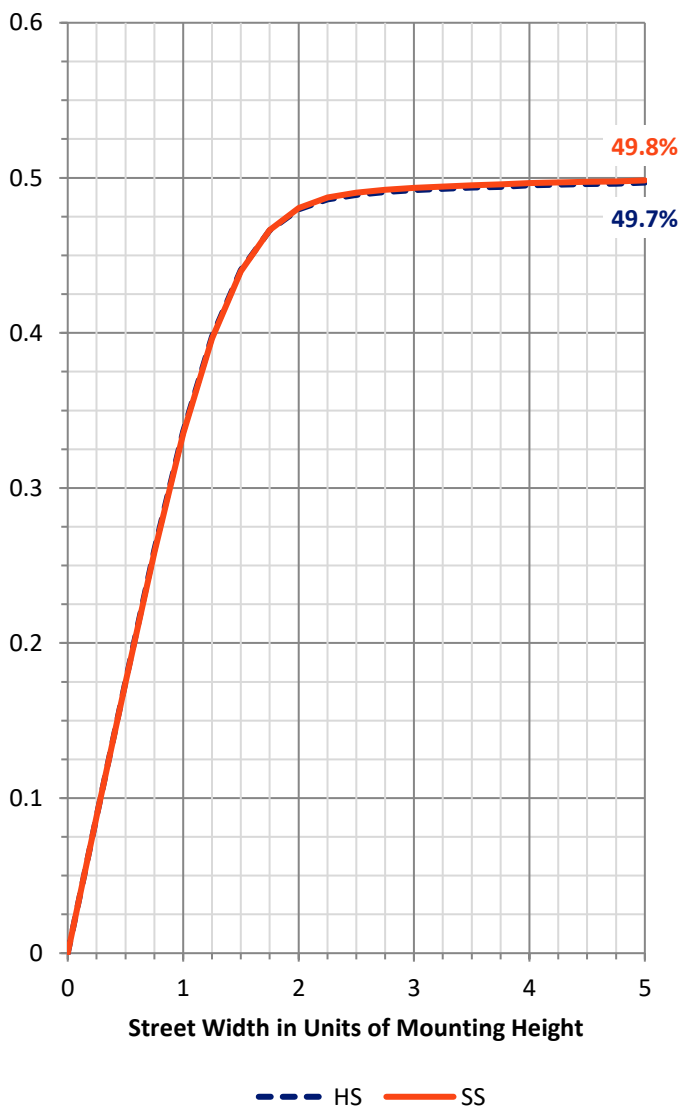
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 4743.9 | 0.0 | 4743.9 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 4743.9 | 0.0 | 4743.9 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 9487.9 | 0.0 | 9487.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 95.5 | 1.0 |
| 10°-20° | 321.8 | 3.4 |
| 20°-30° | 628.4 | 6.6 |
| 30°-40° | 1084.1 | 11.4 |
| 40°-50° | 1756.2 | 18.5 |
| 50°-60° | 2388.4 | 25.2 |
| 60°-70° | 2203.4 | 23.2 |
| 70°-80° | 922.0 | 9.7 |
| 80°-90° | 88.0 | 0.9 |
| 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° | 9487.9 | 100.0 |
| 0°-180° | 9487.9 | 100.0 |



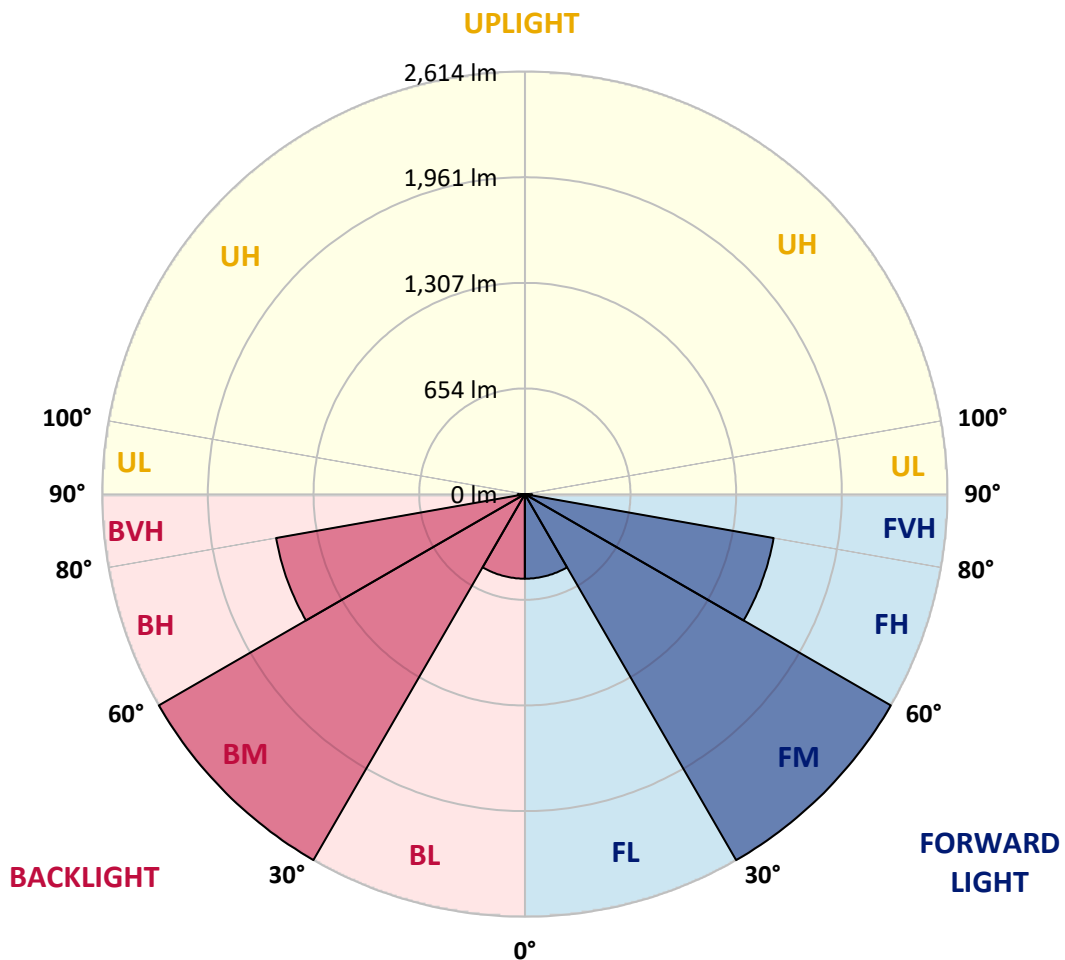
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 522.9 | 5.5 | | | |
| FM (30°-60°) | 2614.3 | 27.6 | | | |
| FH (60°-80°) | 1562.7 | 16.5 | | | G1/1800 |
| FVH (80°-90°) | 44.0 | 0.5 | | | G1/100 |
| BL (0°-30°) | 522.9 | 5.5 | B2/1000 | | |
| BM (30°-60°) | 2614.3 | 27.6 | B3/5000 | | |
| BH (60°-80°) | 1562.7 | 16.5 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 44.0 | 0.5 | | | 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 II Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 965.2 | 965.2 | 965.2 | 965.2 | 965.2 | 965.2 | 965.2 | 965.2 | 965.2 | 965.2 | 965.2 |
| 2.5° | 959.1 | 959.1 | 961.8 | 965.2 | 966.6 | 969.3 | 970.0 | 970.0 | 974.1 | 973.4 | 974.1 |
| 5° | 956.4 | 956.4 | 961.2 | 967.3 | 974.1 | 982.3 | 990.5 | 995.3 | 1005.5 | 1007.5 | 1008.2 |
| 7.5° | 959.1 | 959.8 | 966.6 | 976.8 | 988.4 | 1003.4 | 1019.1 | 1032.1 | 1049.1 | 1055.3 | 1059.4 |
| 10° | 969.3 | 970.0 | 978.9 | 993.2 | 1010.9 | 1032.8 | 1055.3 | 1075.8 | 1103.0 | 1115.3 | 1117.4 |
| 12.5° | 985.0 | 985.7 | 998.7 | 1021.9 | 1047.1 | 1074.4 | 1099.6 | 1125.6 | 1159.7 | 1178.1 | 1182.2 |
| 15° | 1008.9 | 1006.9 | 1027.3 | 1061.4 | 1096.9 | 1131.0 | 1153.5 | 1178.8 | 1214.9 | 1238.8 | 1244.9 |
| 17.5° | 1041.6 | 1043.0 | 1068.3 | 1111.9 | 1155.6 | 1190.4 | 1212.9 | 1227.2 | 1258.6 | 1283.1 | 1289.3 |
| 20° | 1082.6 | 1088.7 | 1120.8 | 1171.3 | 1222.4 | 1259.3 | 1274.9 | 1272.9 | 1290.6 | 1311.8 | 1316.6 |
| 22.5° | 1140.6 | 1144.7 | 1183.5 | 1240.2 | 1298.8 | 1337.0 | 1343.2 | 1320.6 | 1320.0 | 1333.6 | 1339.7 |
| 25° | 1208.8 | 1212.2 | 1253.1 | 1318.6 | 1380.7 | 1420.9 | 1414.8 | 1375.9 | 1355.4 | 1356.1 | 1360.2 |
| 27.5° | 1288.6 | 1295.4 | 1337.7 | 1404.6 | 1468.7 | 1505.5 | 1496.6 | 1440.0 | 1399.8 | 1387.5 | 1384.8 |
| 30° | 1392.3 | 1399.8 | 1442.8 | 1506.9 | 1563.5 | 1596.2 | 1582.6 | 1511.0 | 1450.9 | 1430.5 | 1426.4 |
| 32.5° | 1527.3 | 1526.7 | 1571.0 | 1633.1 | 1672.6 | 1693.8 | 1667.2 | 1586.0 | 1510.3 | 1483.0 | 1477.5 |
| 35° | 1666.5 | 1673.3 | 1717.0 | 1777.0 | 1807.0 | 1808.4 | 1766.1 | 1674.7 | 1584.6 | 1537.6 | 1527.3 |
| 37.5° | 1823.4 | 1826.8 | 1877.3 | 1933.9 | 1953.7 | 1942.8 | 1880.0 | 1778.4 | 1674.7 | 1624.9 | 1607.2 |
| 40° | 1984.4 | 1987.8 | 2046.5 | 2101.0 | 2122.9 | 2096.9 | 2014.4 | 1893.0 | 1781.1 | 1726.5 | 1716.3 |
| 42.5° | 2133.8 | 2142.6 | 2208.1 | 2272.2 | 2293.4 | 2263.4 | 2163.8 | 2018.5 | 1893.7 | 1841.1 | 1827.5 |
| 45° | 2257.9 | 2267.5 | 2341.1 | 2423.0 | 2460.5 | 2436.0 | 2323.4 | 2159.7 | 2023.3 | 1966.6 | 1943.5 |
| 47.5° | 2351.4 | 2363.7 | 2442.1 | 2540.3 | 2613.3 | 2608.5 | 2493.3 | 2309.1 | 2162.4 | 2095.6 | 2074.4 |
| 50° | 2415.5 | 2428.5 | 2513.0 | 2618.8 | 2728.6 | 2765.4 | 2665.9 | 2474.2 | 2317.3 | 2242.2 | 2227.9 |
| 52.5° | 2420.3 | 2431.9 | 2528.7 | 2660.4 | 2807.1 | 2888.2 | 2835.7 | 2648.1 | 2487.8 | 2410.0 | 2399.8 |
| 55° | 2313.9 | 2322.0 | 2451.0 | 2626.3 | 2839.1 | 2982.4 | 2990.6 | 2837.8 | 2669.9 | 2591.5 | 2586.7 |
| 57.5° | 2069.6 | 2081.2 | 2235.4 | 2467.3 | 2785.9 | 3043.1 | 3124.9 | 3036.3 | 2876.0 | 2802.3 | 2798.2 |
| 60° | 1672.0 | 1687.0 | 1863.0 | 2171.3 | 2593.5 | 3027.4 | 3238.9 | 3222.5 | 3101.1 | 3029.4 | 3026.7 |
| 62.5° | 1179.4 | 1184.9 | 1368.4 | 1708.1 | 2217.0 | 2860.9 | 3294.1 | 3403.9 | 3334.4 | 3262.1 | 3266.1 |
| 65° | 693.1 | 700.6 | 835.0 | 1140.6 | 1681.5 | 2478.3 | 3198.6 | 3530.1 | 3521.3 | 3455.1 | 3461.9 |
| 67.5° | 366.3 | 366.3 | 433.8 | 623.5 | 1057.3 | 1855.5 | 2818.7 | 3460.6 | 3576.5 | 3518.5 | 3522.0 |
| 70° | 253.1 | 252.4 | 264.7 | 313.1 | 510.9 | 1150.1 | 2108.5 | 3096.3 | 3464.0 | 3442.1 | 3451.0 |
| 72.5° | 214.2 | 212.8 | 213.5 | 220.3 | 259.9 | 519.8 | 1280.4 | 2384.8 | 3088.1 | 3121.5 | 3129.0 |
| 75° | 187.6 | 185.5 | 184.2 | 182.8 | 186.2 | 236.0 | 583.9 | 1471.4 | 2289.3 | 2499.4 | 2495.3 |
| 77.5° | 161.7 | 160.3 | 158.9 | 154.2 | 148.7 | 154.8 | 238.8 | 661.7 | 1177.4 | 1389.5 | 1374.5 |
| 80° | 133.0 | 133.0 | 135.1 | 128.2 | 118.0 | 113.9 | 142.6 | 246.9 | 390.9 | 407.9 | 375.2 |
| 82.5° | 104.4 | 104.4 | 114.6 | 105.1 | 92.8 | 82.5 | 98.9 | 131.7 | 158.9 | 128.9 | 105.1 |
| 85° | 73.7 | 74.4 | 95.5 | 87.3 | 71.6 | 47.8 | 61.4 | 78.4 | 89.4 | 56.6 | 44.3 |
| 87.5° | 30.0 | 32.1 | 59.3 | 47.1 | 45.0 | 23.9 | 28.7 | 34.8 | 44.3 | 23.9 | 19.1 |
| 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)