

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: P672845

Luminaire Tested: **CCP-SA-1E-750-U-RW**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672845
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-750-U-RW
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ RW distribution lens
Light Source: (16) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

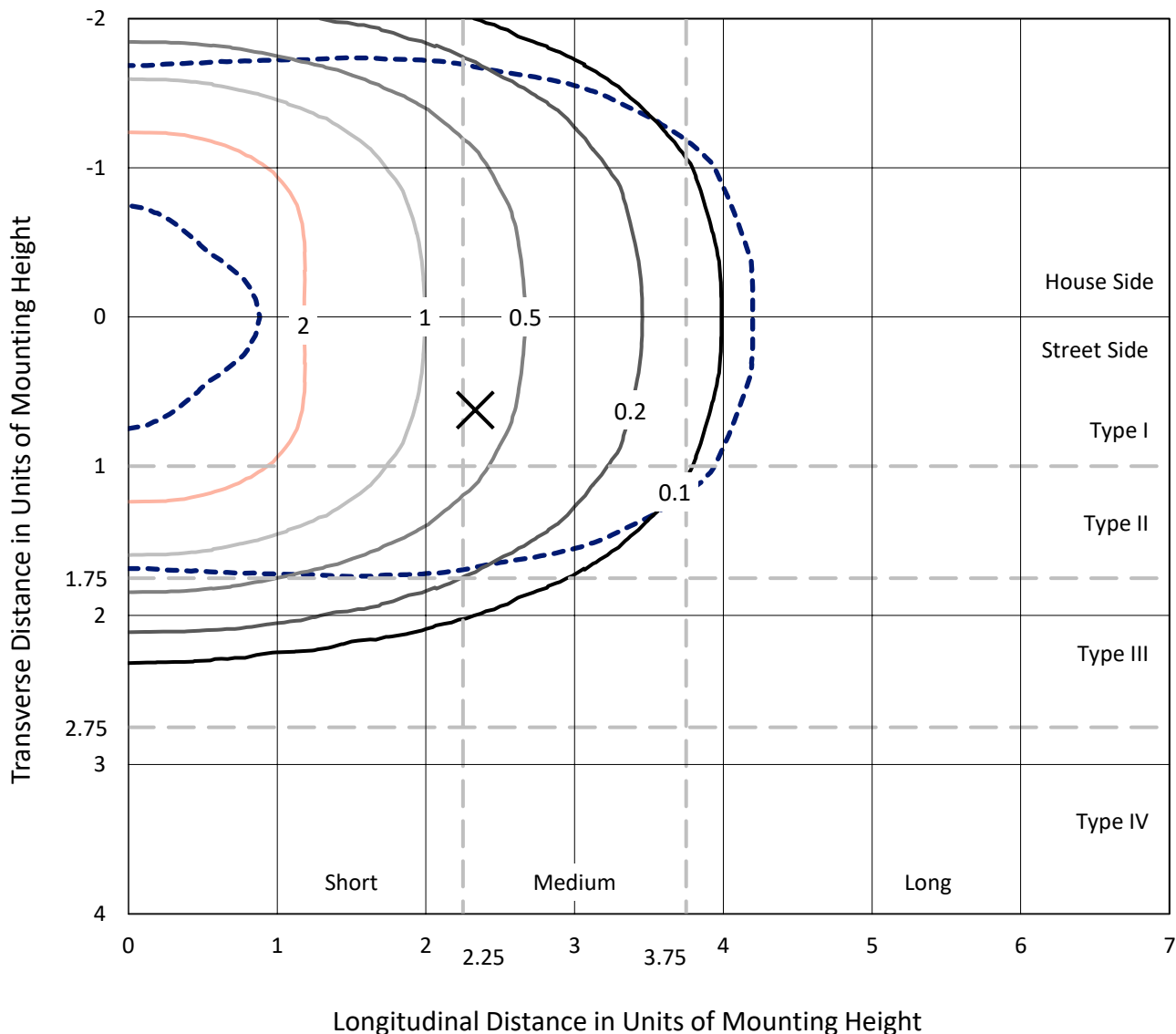
Lumens per Lamp: N/A
Luminaire Lumens: 7114.2 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 56.1
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

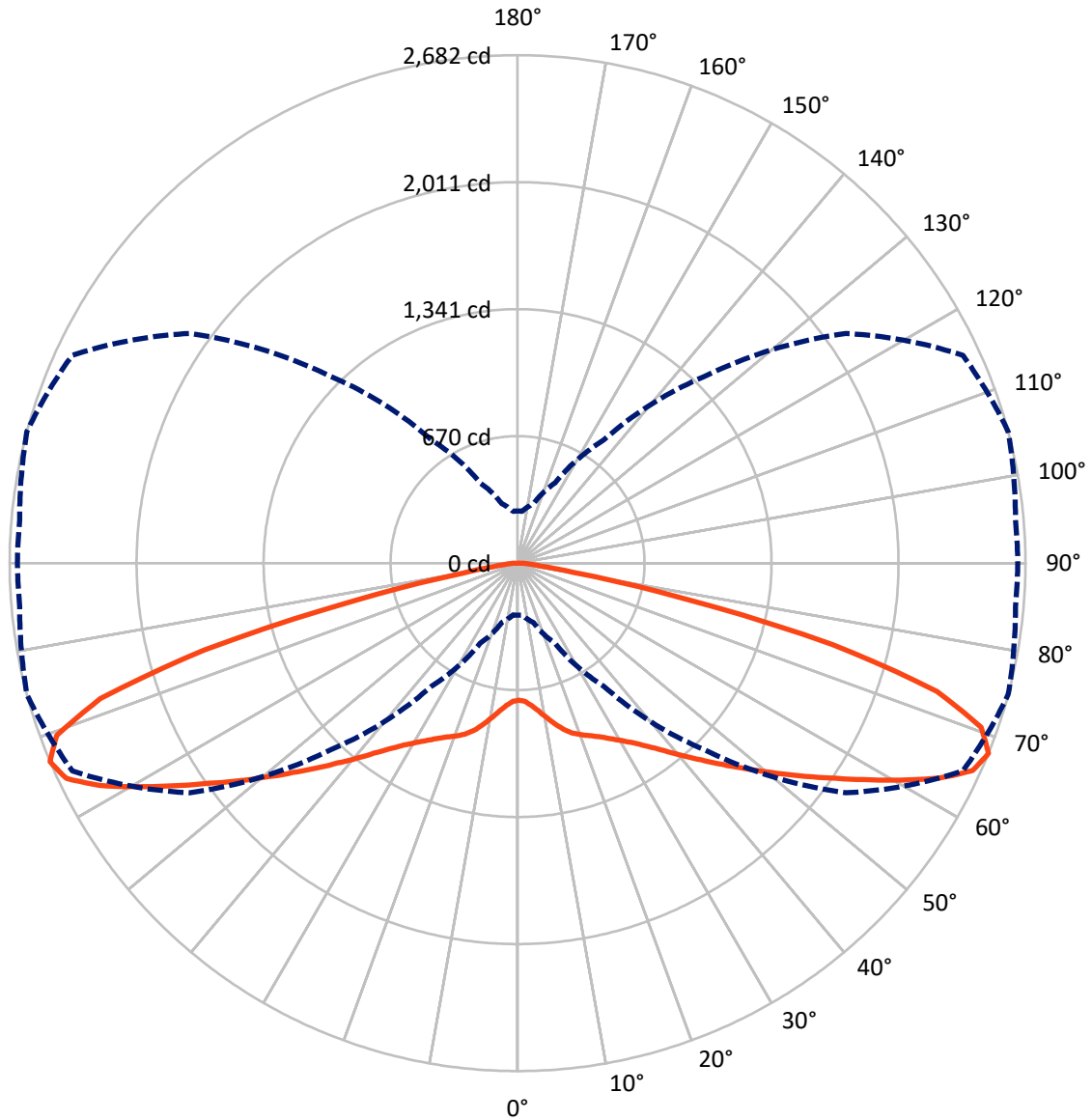
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 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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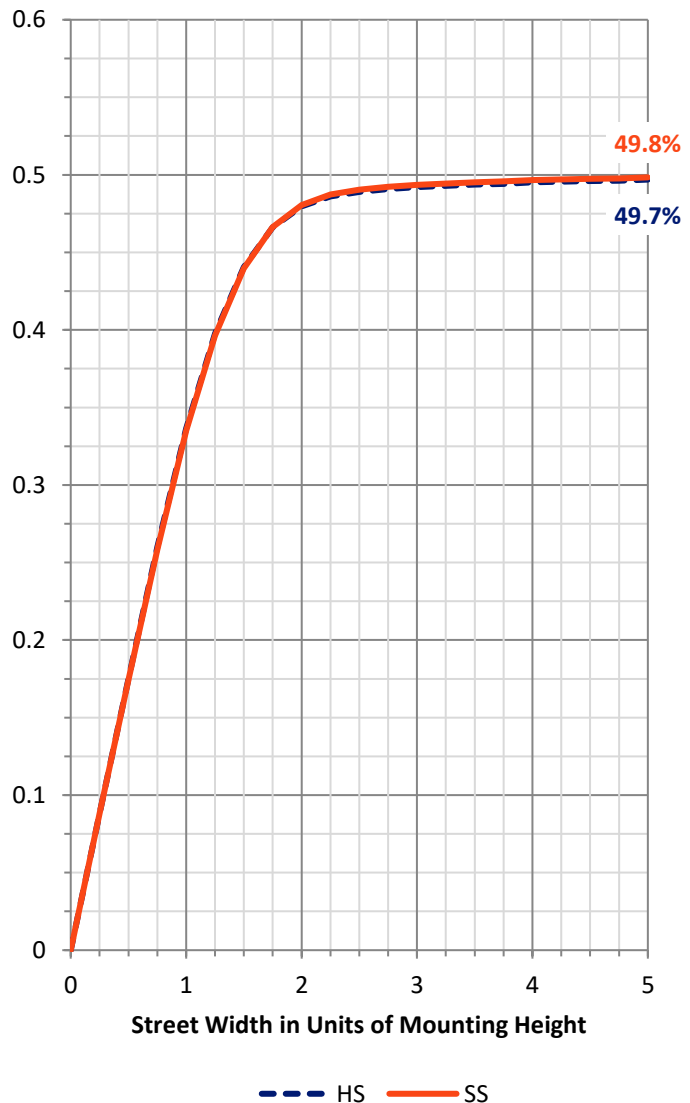
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3557.1 | 0.0 | 3557.1 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3557.1 | 0.0 | 3557.1 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 7114.2 | 0.0 | 7114.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 71.6 | 1.0 |
| 10°-20° | 241.3 | 3.4 |
| 20°-30° | 471.2 | 6.6 |
| 30°-40° | 812.9 | 11.4 |
| 40°-50° | 1316.8 | 18.5 |
| 50°-60° | 1790.9 | 25.2 |
| 60°-70° | 1652.1 | 23.2 |
| 70°-80° | 691.3 | 9.7 |
| 80°-90° | 66.0 | 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° | 7114.2 | 100.0 |
| 0°-180° | 7114.2 | 100.0 |



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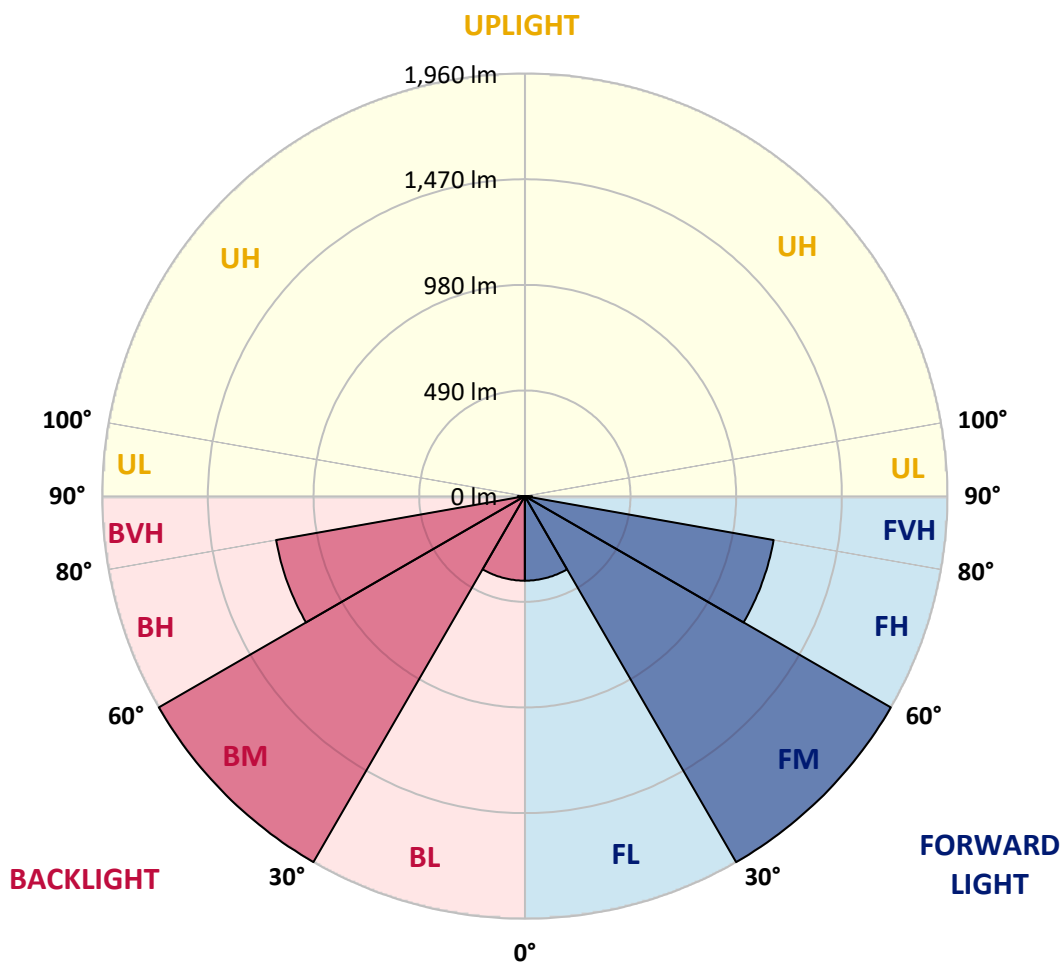
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 392.1 | 5.5 | | | |
| FM (30°-60°) | 1960.3 | 27.6 | | | |
| FH (60°-80°) | 1171.7 | 16.5 | | | G1/1800 |
| FVH (80°-90°) | 33.0 | 0.5 | | | G1/100 |
| BL (0°-30°) | 392.1 | 5.5 | B1/500 | | |
| BM (30°-60°) | 1960.3 | 27.6 | B2/2500 | | |
| BH (60°-80°) | 1171.7 | 16.5 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 33.0 | 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° | 723.8 | 723.8 | 723.8 | 723.8 | 723.8 | 723.8 | 723.8 | 723.8 | 723.8 | 723.8 | 723.8 |
| 2.5° | 719.2 | 719.2 | 721.2 | 723.8 | 724.8 | 726.8 | 727.3 | 727.3 | 730.4 | 729.9 | 730.4 |
| 5° | 717.1 | 717.1 | 720.7 | 725.3 | 730.4 | 736.5 | 742.7 | 746.3 | 753.9 | 755.5 | 756.0 |
| 7.5° | 719.2 | 719.7 | 724.8 | 732.5 | 741.1 | 752.4 | 764.2 | 773.9 | 786.7 | 791.3 | 794.3 |
| 10° | 726.8 | 727.3 | 734.0 | 744.7 | 758.0 | 774.4 | 791.3 | 806.6 | 827.1 | 836.3 | 837.8 |
| 12.5° | 738.6 | 739.1 | 748.8 | 766.2 | 785.1 | 805.6 | 824.5 | 844.0 | 869.5 | 883.3 | 886.4 |
| 15° | 756.5 | 755.0 | 770.3 | 795.9 | 822.5 | 848.0 | 864.9 | 883.9 | 911.0 | 928.9 | 933.5 |
| 17.5° | 781.0 | 782.1 | 801.0 | 833.7 | 866.5 | 892.5 | 909.4 | 920.2 | 943.7 | 962.1 | 966.7 |
| 20° | 811.7 | 816.3 | 840.4 | 878.2 | 916.6 | 944.2 | 956.0 | 954.4 | 967.7 | 983.6 | 987.2 |
| 22.5° | 855.2 | 858.3 | 887.4 | 929.9 | 973.9 | 1002.5 | 1007.1 | 990.2 | 989.7 | 1000.0 | 1004.6 |
| 25° | 906.4 | 908.9 | 939.6 | 988.7 | 1035.3 | 1065.4 | 1060.8 | 1031.7 | 1016.3 | 1016.8 | 1019.9 |
| 27.5° | 966.2 | 971.3 | 1003.0 | 1053.2 | 1101.2 | 1128.9 | 1122.2 | 1079.8 | 1049.6 | 1040.4 | 1038.3 |
| 30° | 1043.9 | 1049.6 | 1081.8 | 1129.9 | 1172.3 | 1196.9 | 1186.7 | 1132.9 | 1087.9 | 1072.6 | 1069.5 |
| 32.5° | 1145.2 | 1144.7 | 1178.0 | 1224.5 | 1254.2 | 1270.0 | 1250.1 | 1189.2 | 1132.4 | 1112.0 | 1107.9 |
| 35° | 1249.6 | 1254.7 | 1287.4 | 1332.4 | 1354.9 | 1356.0 | 1324.2 | 1255.7 | 1188.2 | 1152.9 | 1145.2 |
| 37.5° | 1367.2 | 1369.8 | 1407.6 | 1450.1 | 1464.9 | 1456.7 | 1409.7 | 1333.5 | 1255.7 | 1218.4 | 1205.1 |
| 40° | 1487.9 | 1490.5 | 1534.5 | 1575.4 | 1591.8 | 1572.3 | 1510.4 | 1419.4 | 1335.5 | 1294.6 | 1286.9 |
| 42.5° | 1599.9 | 1606.6 | 1655.7 | 1703.8 | 1719.6 | 1697.1 | 1622.4 | 1513.5 | 1419.9 | 1380.5 | 1370.3 |
| 45° | 1693.0 | 1700.2 | 1755.4 | 1816.8 | 1844.9 | 1826.5 | 1742.1 | 1619.4 | 1517.1 | 1474.6 | 1457.2 |
| 47.5° | 1763.1 | 1772.3 | 1831.1 | 1904.8 | 1959.5 | 1955.9 | 1869.5 | 1731.4 | 1621.4 | 1571.3 | 1555.4 |
| 50° | 1811.2 | 1820.9 | 1884.3 | 1963.6 | 2046.0 | 2073.6 | 1998.9 | 1855.2 | 1737.5 | 1681.3 | 1670.5 |
| 52.5° | 1814.8 | 1823.5 | 1896.1 | 1994.8 | 2104.8 | 2165.6 | 2126.3 | 1985.6 | 1865.4 | 1807.1 | 1799.4 |
| 55° | 1735.0 | 1741.1 | 1837.8 | 1969.2 | 2128.8 | 2236.2 | 2242.4 | 2127.8 | 2002.0 | 1943.1 | 1939.6 |
| 57.5° | 1551.9 | 1560.6 | 1676.2 | 1850.1 | 2088.9 | 2281.8 | 2343.1 | 2276.6 | 2156.4 | 2101.2 | 2098.1 |
| 60° | 1253.7 | 1264.9 | 1396.9 | 1628.1 | 1944.7 | 2270.0 | 2428.6 | 2416.3 | 2325.2 | 2271.5 | 2269.5 |
| 62.5° | 884.4 | 888.5 | 1026.0 | 1280.8 | 1662.3 | 2145.2 | 2470.0 | 2552.3 | 2500.2 | 2445.9 | 2449.0 |
| 65° | 519.7 | 525.3 | 626.1 | 855.2 | 1260.8 | 1858.2 | 2398.4 | 2647.0 | 2640.3 | 2590.7 | 2595.8 |
| 67.5° | 274.7 | 274.7 | 325.3 | 467.5 | 792.8 | 1391.3 | 2113.5 | 2594.8 | 2681.7 | 2638.3 | 2640.8 |
| 70° | 189.8 | 189.3 | 198.5 | 234.8 | 383.1 | 862.4 | 1581.0 | 2321.7 | 2597.3 | 2581.0 | 2587.6 |
| 72.5° | 160.6 | 159.6 | 160.1 | 165.2 | 194.9 | 389.8 | 960.1 | 1788.2 | 2315.5 | 2340.6 | 2346.2 |
| 75° | 140.7 | 139.1 | 138.1 | 137.1 | 139.6 | 177.0 | 437.8 | 1103.3 | 1716.6 | 1874.1 | 1871.0 |
| 77.5° | 121.2 | 120.2 | 119.2 | 115.6 | 111.5 | 116.1 | 179.0 | 496.1 | 882.8 | 1041.9 | 1030.7 |
| 80° | 99.7 | 99.7 | 101.3 | 96.2 | 88.5 | 85.4 | 106.9 | 185.2 | 293.1 | 305.9 | 281.3 |
| 82.5° | 78.3 | 78.3 | 85.9 | 78.8 | 69.6 | 61.9 | 74.2 | 98.7 | 119.2 | 96.7 | 78.8 |
| 85° | 55.2 | 55.8 | 71.6 | 65.5 | 53.7 | 35.8 | 46.0 | 58.8 | 67.0 | 42.5 | 33.2 |
| 87.5° | 22.5 | 24.0 | 44.5 | 35.3 | 33.8 | 17.9 | 21.5 | 26.1 | 33.2 | 17.9 | 14.3 |
| 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)