

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: P672408

Luminaire Tested: **CCP-SA-2E-740-U-5WQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672408
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-740-U-5WQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5WQ distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

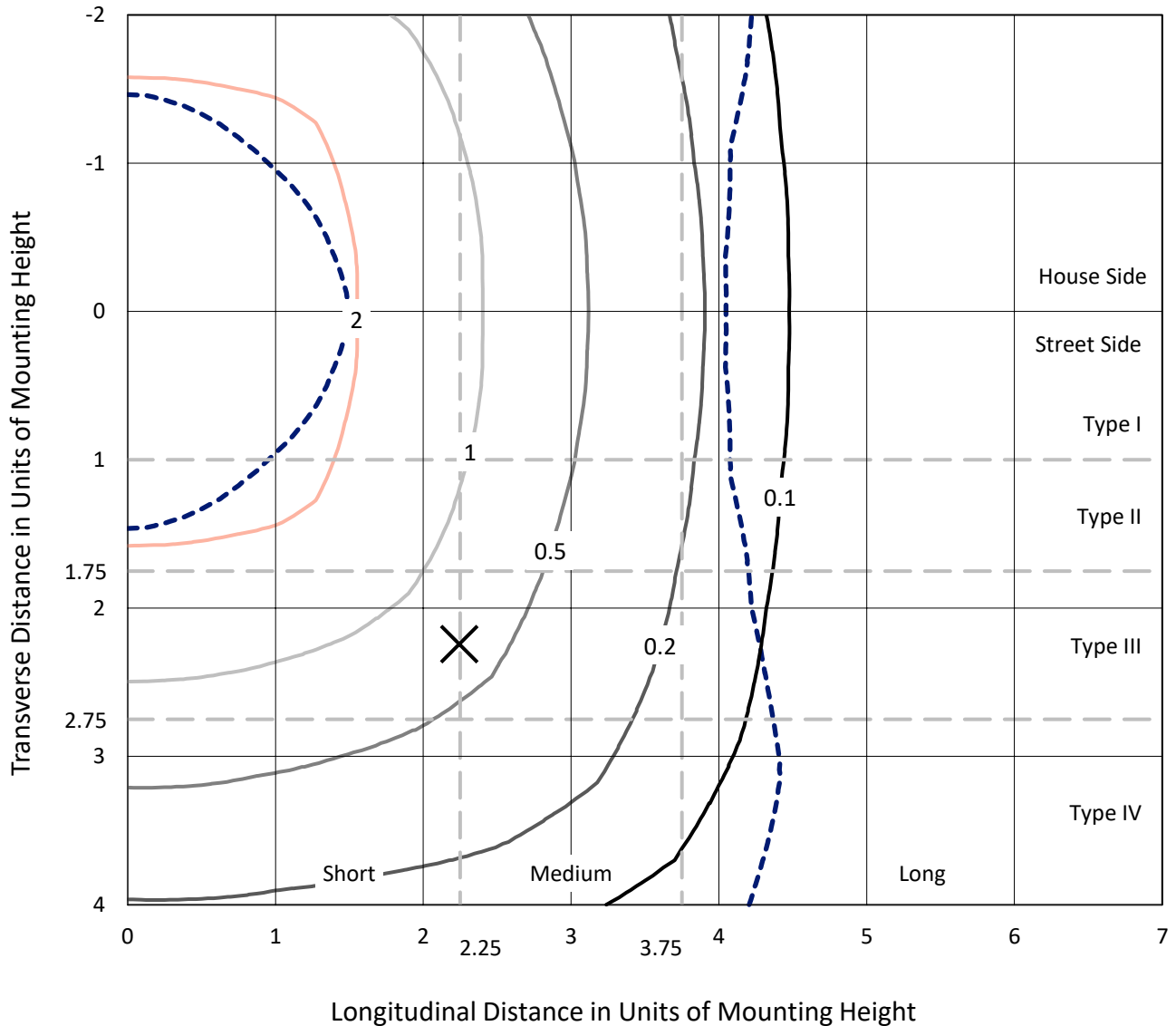
Lumens per Lamp: N/A
Luminaire Lumens: 14330.8 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 106.6
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

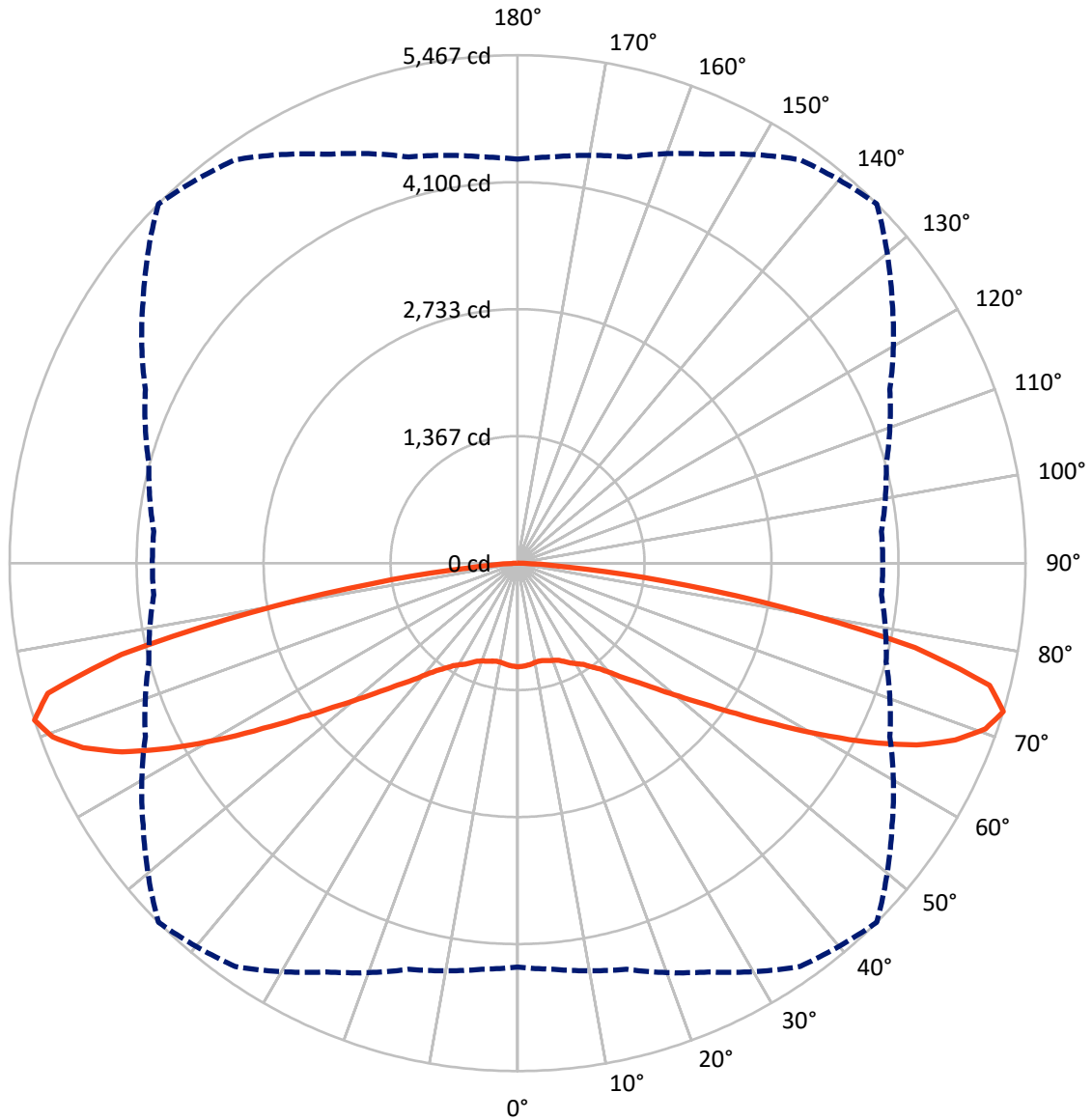
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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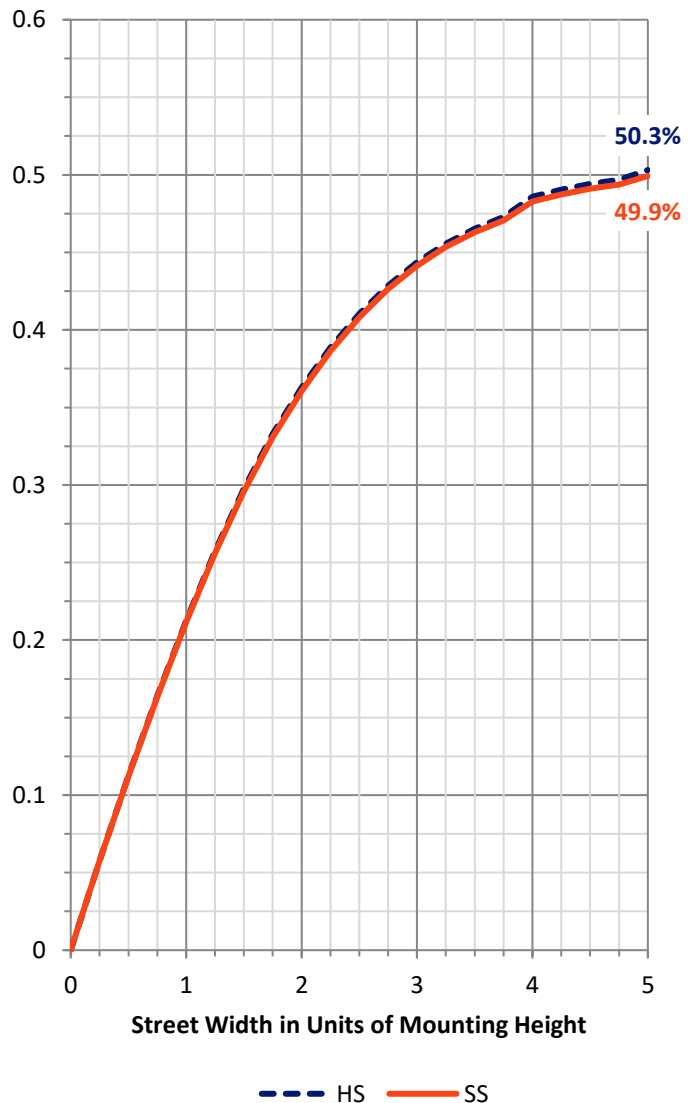
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7165.4 | 0.0 | 7165.4 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 7165.4 | 0.0 | 7165.4 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 14330.8 | 0.0 | 14330.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 104.8 | 0.7 |
| 10°-20° | 311.3 | 2.2 |
| 20°-30° | 546.8 | 3.8 |
| 30°-40° | 872.3 | 6.1 |
| 40°-50° | 1458.6 | 10.2 |
| 50°-60° | 2496.0 | 17.4 |
| 60°-70° | 4120.6 | 28.8 |
| 70°-80° | 3949.4 | 27.6 |
| 80°-90° | 471.0 | 3.3 |
| 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° | 14330.8 | 100.0 |
| 0°-180° | 14330.8 | 100.0 |



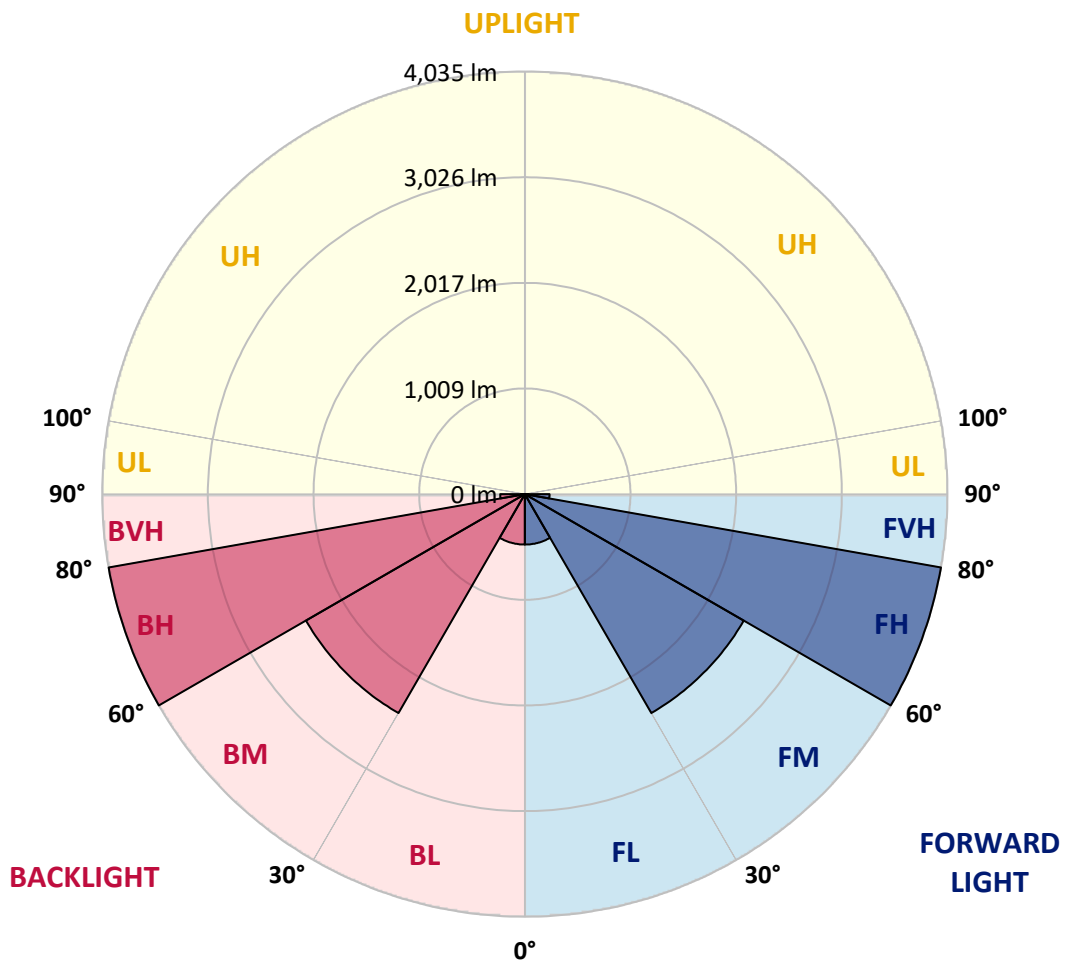
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 481.4 | 3.4 | | | |
| FM (30°-60°) | 2413.5 | 16.8 | | | |
| FH (60°-80°) | 4035.0 | 28.2 | | | G2/5000 |
| FVH (80°-90°) | 235.5 | 1.6 | | | G3/500 |
| BL (0°-30°) | 481.4 | 3.4 | B1/500 | | |
| BM (30°-60°) | 2413.5 | 16.8 | B2/2500 | | |
| BH (60°-80°) | 4035.0 | 28.2 | B4/5000 | | G2/5000 |
| BVH (80°-90°) | 235.5 | 1.6 | | | G3/500 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1116.0 | 1116.0 | 1116.0 | 1116.0 | 1116.0 | 1116.0 | 1116.0 | 1116.0 | 1116.0 | 1116.0 | 1116.0 |
| 2.5° | 1109.0 | 1109.0 | 1112.0 | 1113.0 | 1112.0 | 1111.0 | 1110.0 | 1109.0 | 1112.0 | 1111.0 | 1112.0 |
| 5° | 1106.0 | 1106.0 | 1107.0 | 1108.0 | 1106.0 | 1105.0 | 1103.0 | 1102.0 | 1104.0 | 1104.0 | 1106.0 |
| 7.5° | 1098.0 | 1097.0 | 1098.0 | 1099.0 | 1096.0 | 1095.0 | 1092.0 | 1092.0 | 1092.0 | 1091.0 | 1093.0 |
| 10° | 1091.0 | 1089.0 | 1089.0 | 1087.0 | 1082.0 | 1083.0 | 1079.0 | 1082.0 | 1087.0 | 1088.0 | 1089.0 |
| 12.5° | 1094.0 | 1092.0 | 1090.0 | 1085.0 | 1078.0 | 1079.0 | 1078.0 | 1081.0 | 1088.0 | 1092.0 | 1095.0 |
| 15° | 1108.0 | 1106.0 | 1101.0 | 1092.0 | 1088.0 | 1088.0 | 1086.0 | 1087.0 | 1097.0 | 1103.0 | 1106.0 |
| 17.5° | 1123.0 | 1119.0 | 1110.0 | 1104.0 | 1100.0 | 1103.0 | 1096.0 | 1095.0 | 1103.0 | 1112.0 | 1115.0 |
| 20° | 1135.0 | 1132.0 | 1121.0 | 1114.0 | 1114.0 | 1117.0 | 1110.0 | 1106.0 | 1115.0 | 1126.0 | 1129.0 |
| 22.5° | 1156.0 | 1154.0 | 1143.0 | 1136.0 | 1136.0 | 1137.0 | 1133.0 | 1130.0 | 1140.0 | 1151.0 | 1154.0 |
| 25° | 1186.0 | 1186.0 | 1175.0 | 1172.0 | 1171.0 | 1173.0 | 1168.0 | 1165.0 | 1174.0 | 1182.0 | 1185.0 |
| 27.5° | 1221.0 | 1218.0 | 1209.0 | 1207.0 | 1211.0 | 1218.0 | 1209.0 | 1201.0 | 1208.0 | 1215.0 | 1216.0 |
| 30° | 1258.0 | 1258.0 | 1250.0 | 1250.0 | 1253.0 | 1256.0 | 1248.0 | 1240.0 | 1247.0 | 1255.0 | 1256.0 |
| 32.5° | 1310.0 | 1307.0 | 1304.0 | 1305.0 | 1304.0 | 1300.0 | 1296.0 | 1295.0 | 1301.0 | 1306.0 | 1308.0 |
| 35° | 1374.0 | 1373.0 | 1369.0 | 1371.0 | 1371.0 | 1371.0 | 1359.0 | 1355.0 | 1365.0 | 1369.0 | 1367.0 |
| 37.5° | 1472.9 | 1471.9 | 1461.9 | 1455.9 | 1448.9 | 1445.9 | 1430.9 | 1429.9 | 1453.9 | 1465.9 | 1463.9 |
| 40° | 1593.9 | 1589.9 | 1580.9 | 1570.9 | 1561.9 | 1555.9 | 1540.9 | 1551.9 | 1576.9 | 1585.9 | 1585.9 |
| 42.5° | 1725.9 | 1720.9 | 1710.9 | 1705.9 | 1699.9 | 1693.9 | 1673.9 | 1678.9 | 1708.9 | 1717.9 | 1707.9 |
| 45° | 1887.9 | 1880.9 | 1869.9 | 1858.9 | 1849.9 | 1837.9 | 1827.9 | 1832.9 | 1864.9 | 1875.9 | 1867.9 |
| 47.5° | 2059.9 | 2057.9 | 2048.9 | 2039.9 | 2031.9 | 2023.9 | 2010.9 | 2019.9 | 2047.9 | 2045.9 | 2029.9 |
| 50° | 2241.9 | 2245.9 | 2246.9 | 2255.9 | 2249.9 | 2250.9 | 2226.9 | 2221.9 | 2243.9 | 2230.9 | 2210.9 |
| 52.5° | 2437.9 | 2443.9 | 2464.9 | 2482.9 | 2515.9 | 2519.9 | 2489.9 | 2457.9 | 2453.9 | 2419.9 | 2398.9 |
| 55° | 2664.9 | 2663.9 | 2709.9 | 2759.9 | 2832.9 | 2855.9 | 2788.9 | 2728.9 | 2695.9 | 2629.9 | 2607.9 |
| 57.5° | 2921.9 | 2918.9 | 2988.9 | 3076.9 | 3208.9 | 3265.9 | 3142.9 | 3028.9 | 2948.9 | 2869.9 | 2846.9 |
| 60° | 3200.9 | 3207.9 | 3292.9 | 3435.9 | 3663.9 | 3742.9 | 3556.9 | 3367.9 | 3245.9 | 3142.9 | 3133.9 |
| 62.5° | 3526.9 | 3527.9 | 3627.9 | 3821.9 | 4117.9 | 4244.9 | 3988.9 | 3732.9 | 3577.9 | 3464.9 | 3440.9 |
| 65° | 3911.9 | 3918.9 | 4025.9 | 4221.9 | 4561.8 | 4718.8 | 4423.8 | 4111.9 | 3928.9 | 3775.9 | 3772.9 |
| 67.5° | 4306.8 | 4302.8 | 4400.8 | 4608.8 | 4936.8 | 5081.8 | 4772.8 | 4424.8 | 4186.9 | 3995.9 | 3970.9 |
| 70° | 4559.8 | 4581.8 | 4687.8 | 4886.8 | 5200.8 | 5341.8 | 4965.8 | 4545.8 | 4296.8 | 4121.9 | 4109.9 |
| 72.5° | 4346.8 | 4387.8 | 4524.8 | 4854.8 | 5299.8 | 5466.8 | 4919.8 | 4420.8 | 4106.9 | 3930.9 | 3930.9 |
| 75° | 3528.9 | 3596.9 | 3787.9 | 4295.8 | 4957.8 | 5246.8 | 4554.8 | 3868.9 | 3411.9 | 3223.9 | 3223.9 |
| 77.5° | 2149.9 | 2214.9 | 2472.9 | 3092.9 | 4003.9 | 4373.8 | 3712.9 | 2913.9 | 2384.9 | 2154.9 | 2124.9 |
| 80° | 715.0 | 757.0 | 1010.0 | 1571.9 | 2457.9 | 2910.9 | 2487.9 | 1654.9 | 1068.0 | 814.0 | 810.0 |
| 82.5° | 190.0 | 207.0 | 288.0 | 456.0 | 1067.0 | 1576.9 | 1138.0 | 546.0 | 313.0 | 243.0 | 224.0 |
| 85° | 66.0 | 71.0 | 122.0 | 152.0 | 271.0 | 522.0 | 317.0 | 198.0 | 152.0 | 92.0 | 86.0 |
| 87.5° | 19.0 | 21.0 | 49.0 | 53.0 | 78.0 | 61.0 | 86.0 | 79.0 | 72.0 | 30.0 | 27.0 |
| 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)