

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: P672718

Luminaire Tested: **CCP-SA-2E-760-U-5NQ**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672718
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-760-U-5NQ
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ 5NQ distribution lens
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

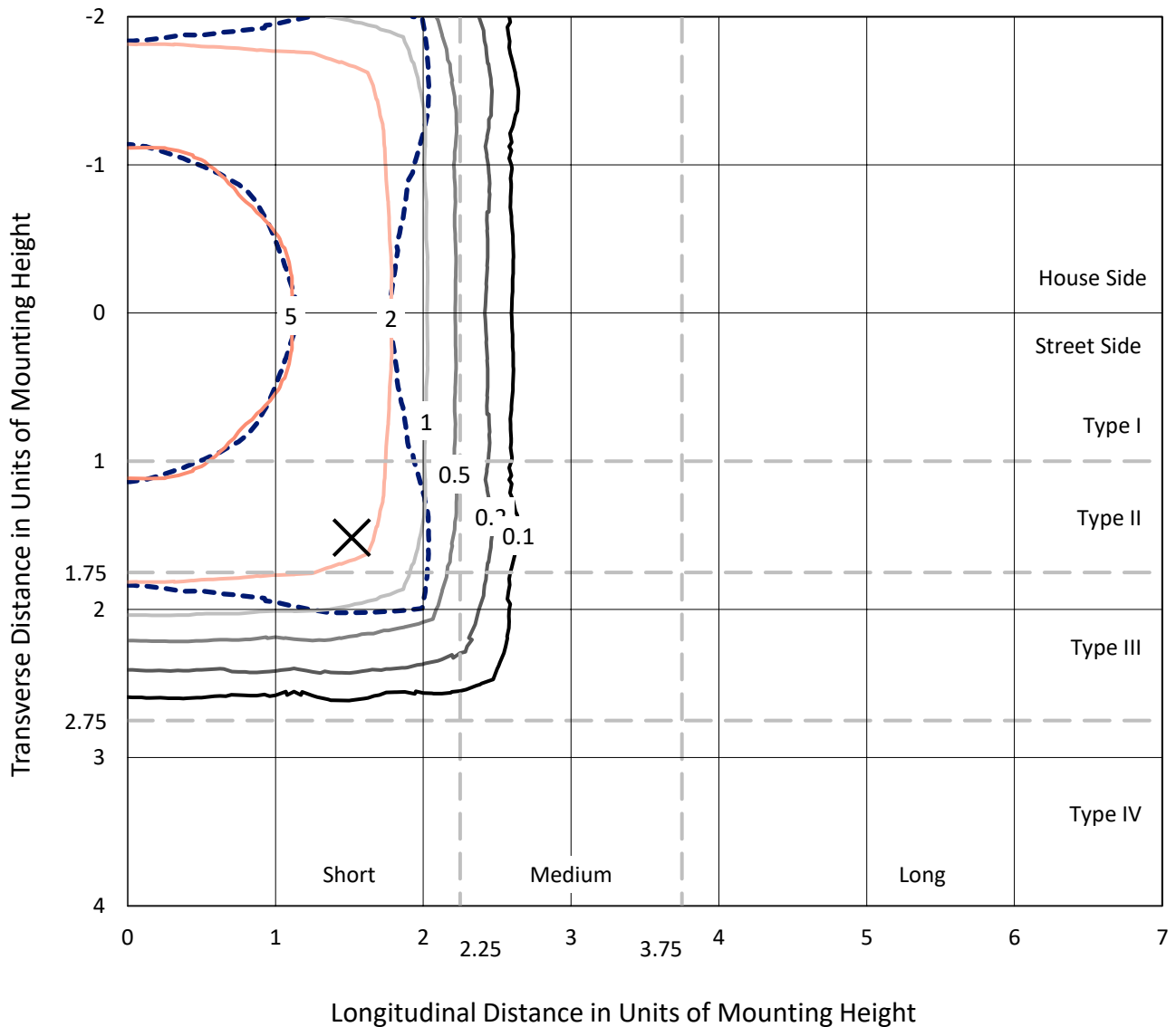
Lumens per Lamp: N/A
Luminaire Lumens: 14554.2 lumens
Efficiency: N/A
Efficacy: 136.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

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

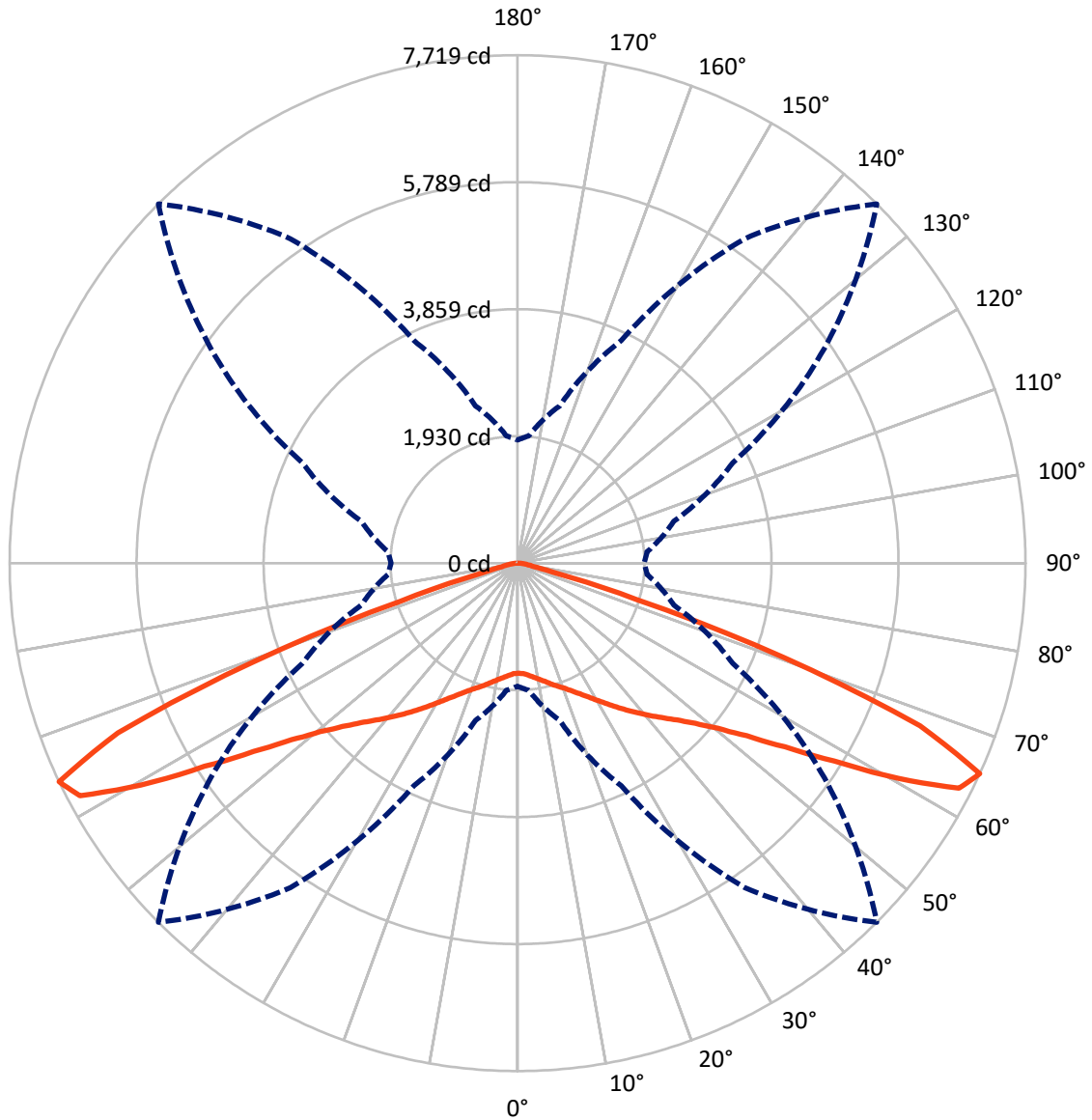
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.6 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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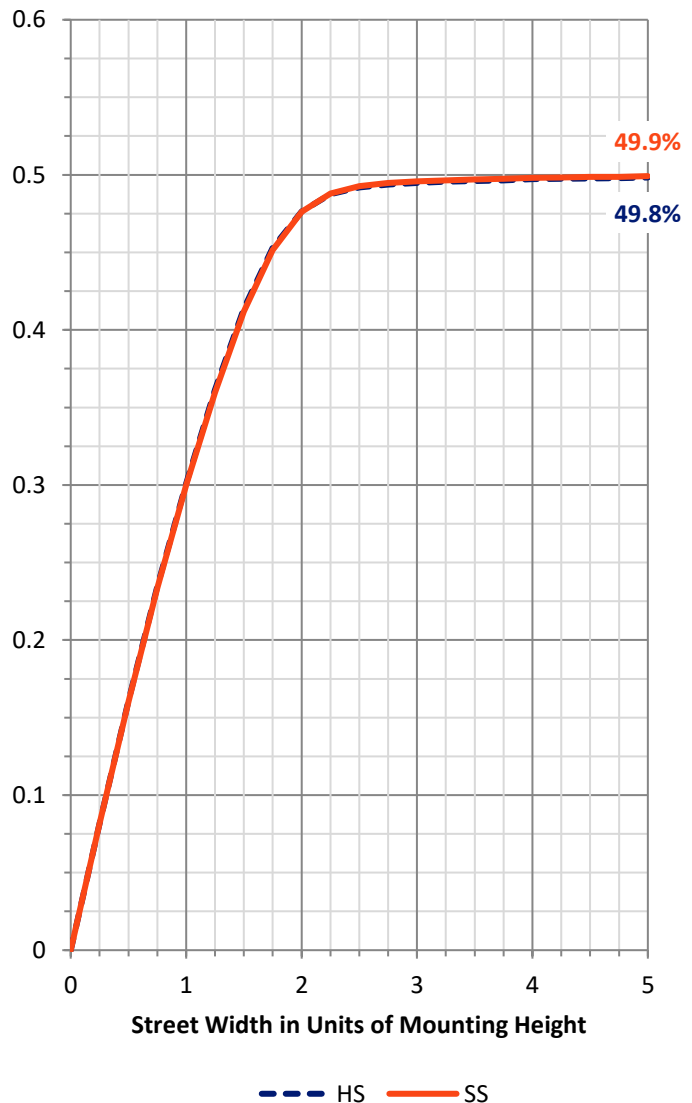
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7277.1 | 0.0 | 7277.1 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 7277.1 | 0.0 | 7277.1 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 14554.2 | 0.0 | 14554.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 165.7 | 1.1 |
| 10°-20° | 541.1 | 3.7 |
| 20°-30° | 1026.2 | 7.1 |
| 30°-40° | 1721.0 | 11.8 |
| 40°-50° | 2723.3 | 18.7 |
| 50°-60° | 4278.4 | 29.4 |
| 60°-70° | 3614.9 | 24.8 |
| 70°-80° | 420.9 | 2.9 |
| 80°-90° | 62.7 | 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° | 14554.2 | 100.0 |
| 0°-180° | 14554.2 | 100.0 |



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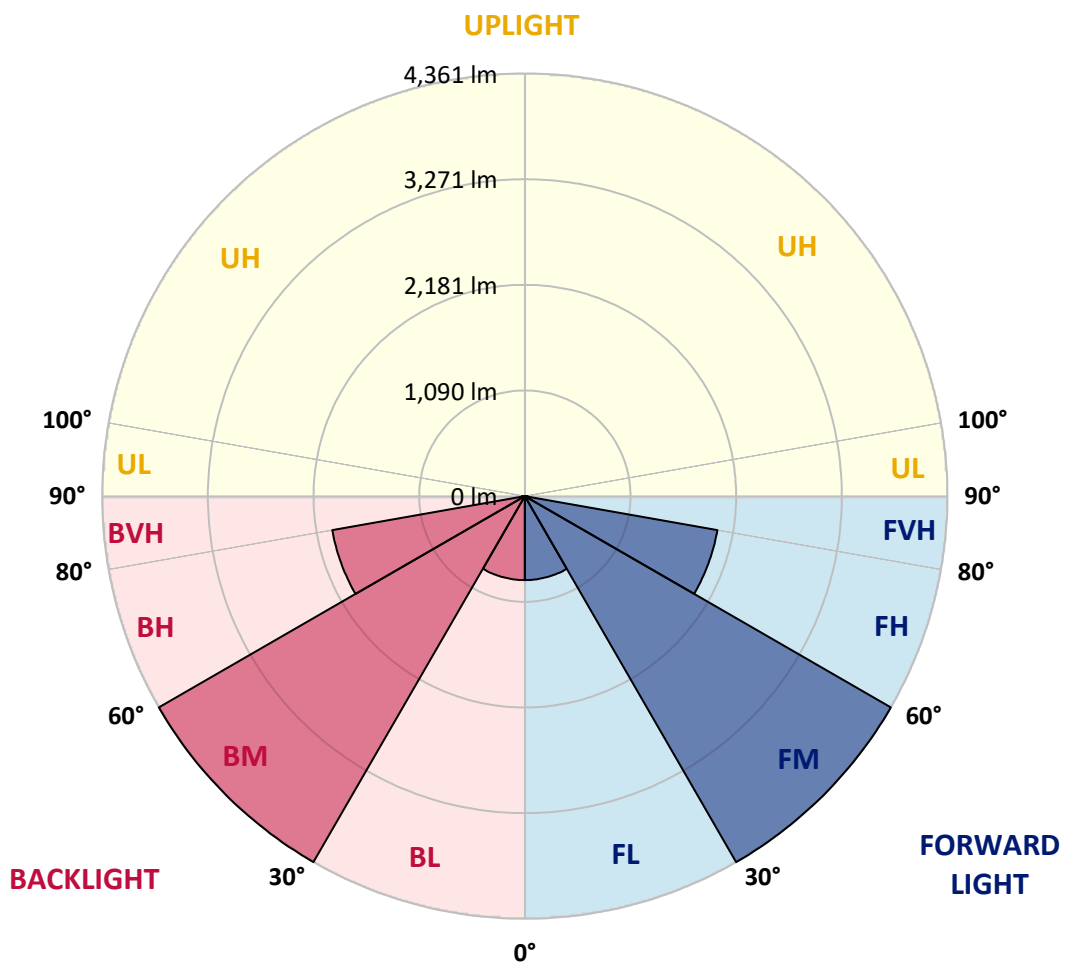
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 866.5 | 6.0 | | | |
| FM (30°-60°) | 4361.4 | 30.0 | | | |
| FH (60°-80°) | 2017.9 | 13.9 | | | G2/5000 |
| FVH (80°-90°) | 31.3 | 0.2 | | | G1/100 |
| BL (0°-30°) | 866.5 | 6.0 | B2/1000 | | |
| BM (30°-60°) | 4361.4 | 30.0 | B3/5000 | | |
| BH (60°-80°) | 2017.9 | 13.9 | B3/2500 | | G2/5000 |
| BVH (80°-90°) | 31.3 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1673.5 | 1673.5 | 1673.5 | 1673.5 | 1673.5 | 1673.5 | 1673.5 | 1673.5 | 1673.5 | 1673.5 | 1673.5 |
| 2.5° | 1682.7 | 1677.6 | 1682.7 | 1682.7 | 1679.6 | 1680.6 | 1676.6 | 1675.5 | 1680.6 | 1676.6 | 1675.5 |
| 5° | 1717.5 | 1713.4 | 1717.5 | 1714.4 | 1709.3 | 1710.3 | 1704.2 | 1702.1 | 1708.3 | 1702.1 | 1703.2 |
| 7.5° | 1757.4 | 1750.2 | 1752.3 | 1755.3 | 1750.2 | 1750.2 | 1745.1 | 1742.0 | 1745.1 | 1739.0 | 1743.0 |
| 10° | 1791.1 | 1785.0 | 1788.1 | 1792.1 | 1791.1 | 1794.2 | 1789.1 | 1787.0 | 1784.0 | 1776.8 | 1782.9 |
| 12.5° | 1835.1 | 1833.1 | 1837.2 | 1842.3 | 1840.2 | 1844.3 | 1833.1 | 1830.0 | 1829.0 | 1820.8 | 1827.9 |
| 15° | 1892.4 | 1887.3 | 1894.4 | 1900.6 | 1897.5 | 1904.7 | 1895.5 | 1891.4 | 1886.3 | 1876.0 | 1882.2 |
| 17.5° | 1949.7 | 1945.6 | 1955.8 | 1958.9 | 1959.9 | 1966.0 | 1958.9 | 1952.7 | 1950.7 | 1943.5 | 1939.4 |
| 20° | 2018.2 | 2013.1 | 2021.3 | 2027.4 | 2022.3 | 2029.5 | 2026.4 | 2022.3 | 2020.3 | 2009.0 | 2008.0 |
| 22.5° | 2094.9 | 2087.8 | 2100.0 | 2107.2 | 2100.0 | 2107.2 | 2101.1 | 2100.0 | 2101.1 | 2084.7 | 2086.7 |
| 25° | 2180.9 | 2181.9 | 2194.2 | 2199.3 | 2195.2 | 2199.3 | 2190.1 | 2196.2 | 2193.1 | 2175.7 | 2169.6 |
| 27.5° | 2291.3 | 2287.2 | 2300.5 | 2315.9 | 2305.6 | 2305.6 | 2301.6 | 2307.7 | 2306.7 | 2290.3 | 2286.2 |
| 30° | 2420.2 | 2419.2 | 2438.6 | 2447.8 | 2433.5 | 2427.4 | 2426.4 | 2441.7 | 2442.7 | 2425.3 | 2418.2 |
| 32.5° | 2555.2 | 2555.2 | 2578.8 | 2590.0 | 2569.6 | 2565.5 | 2561.4 | 2581.8 | 2578.8 | 2555.2 | 2539.9 |
| 35° | 2703.6 | 2697.4 | 2729.1 | 2745.5 | 2725.0 | 2712.8 | 2710.7 | 2729.1 | 2725.0 | 2692.3 | 2673.9 |
| 37.5° | 2849.8 | 2853.9 | 2890.8 | 2909.2 | 2884.6 | 2869.3 | 2874.4 | 2886.7 | 2887.7 | 2851.9 | 2832.5 |
| 40° | 3028.9 | 3029.9 | 3075.9 | 3090.2 | 3058.5 | 3035.0 | 3042.1 | 3069.8 | 3067.7 | 3023.7 | 2999.2 |
| 42.5° | 3229.3 | 3225.3 | 3282.5 | 3294.8 | 3251.8 | 3206.8 | 3228.3 | 3271.3 | 3281.5 | 3232.4 | 3206.8 |
| 45° | 3444.2 | 3450.3 | 3509.6 | 3522.9 | 3455.4 | 3398.1 | 3444.2 | 3508.6 | 3521.9 | 3468.7 | 3437.0 |
| 47.5° | 3705.0 | 3712.2 | 3783.8 | 3788.9 | 3712.2 | 3637.5 | 3698.9 | 3782.7 | 3787.9 | 3714.2 | 3677.4 |
| 50° | 4002.7 | 4027.2 | 4107.0 | 4117.2 | 4041.5 | 3945.4 | 4033.4 | 4108.0 | 4088.6 | 3990.4 | 3956.6 |
| 52.5° | 4340.2 | 4359.7 | 4484.5 | 4527.4 | 4460.9 | 4357.6 | 4428.2 | 4474.2 | 4411.8 | 4282.9 | 4230.8 |
| 55° | 4627.7 | 4660.4 | 4826.1 | 4957.0 | 5007.2 | 4929.4 | 4921.2 | 4853.7 | 4679.8 | 4483.4 | 4429.2 |
| 57.5° | 4708.5 | 4740.2 | 4996.9 | 5334.5 | 5632.2 | 5671.0 | 5491.0 | 5152.4 | 4778.0 | 4475.3 | 4420.0 |
| 60° | 4380.1 | 4423.1 | 4798.5 | 5437.8 | 6291.9 | 6643.8 | 5993.3 | 5178.0 | 4523.3 | 4117.2 | 4047.7 |
| 62.5° | 3440.1 | 3519.8 | 4004.7 | 5007.2 | 6557.9 | 7529.7 | 6199.9 | 4737.1 | 3755.1 | 3275.4 | 3183.3 |
| 65° | 1870.9 | 1939.4 | 2474.4 | 3731.6 | 6018.8 | 7718.9 | 5693.5 | 3606.8 | 2456.0 | 1974.2 | 1924.1 |
| 67.5° | 701.7 | 751.8 | 997.3 | 1844.3 | 4255.3 | 6598.8 | 4321.8 | 2065.3 | 1115.0 | 799.9 | 729.3 |
| 70° | 298.7 | 304.8 | 361.1 | 642.4 | 1934.3 | 4293.2 | 2212.6 | 701.7 | 372.3 | 300.7 | 292.6 |
| 72.5° | 214.8 | 215.8 | 231.2 | 284.4 | 589.2 | 1883.2 | 669.0 | 294.6 | 227.1 | 204.6 | 204.6 |
| 75° | 171.8 | 172.9 | 182.1 | 205.6 | 278.2 | 554.4 | 288.5 | 206.6 | 175.9 | 160.6 | 158.6 |
| 77.5° | 135.0 | 137.1 | 146.3 | 160.6 | 186.2 | 253.7 | 195.4 | 162.6 | 141.2 | 126.8 | 124.8 |
| 80° | 100.2 | 103.3 | 115.6 | 122.7 | 130.9 | 168.8 | 142.2 | 126.8 | 112.5 | 97.2 | 94.1 |
| 82.5° | 66.5 | 69.6 | 85.9 | 91.0 | 90.0 | 106.4 | 98.2 | 97.2 | 85.9 | 64.4 | 61.4 |
| 85° | 39.9 | 41.9 | 55.2 | 59.3 | 55.2 | 52.2 | 62.4 | 67.5 | 60.4 | 41.9 | 38.9 |
| 87.5° | 17.4 | 17.4 | 24.5 | 25.6 | 24.5 | 19.4 | 29.7 | 34.8 | 35.8 | 21.5 | 19.4 |
| 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)