

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: P553777

Luminaire Tested: **LXS-VA3-740-U-SYM-C**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-11-R2)
Test Lab: INNOVATION CENTER
Issue Date: 7/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: LXS-VA3-740-U-SYM-C
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 4000K LEDS AND TYPE V OPTIC, CANTILEVER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9277 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G3

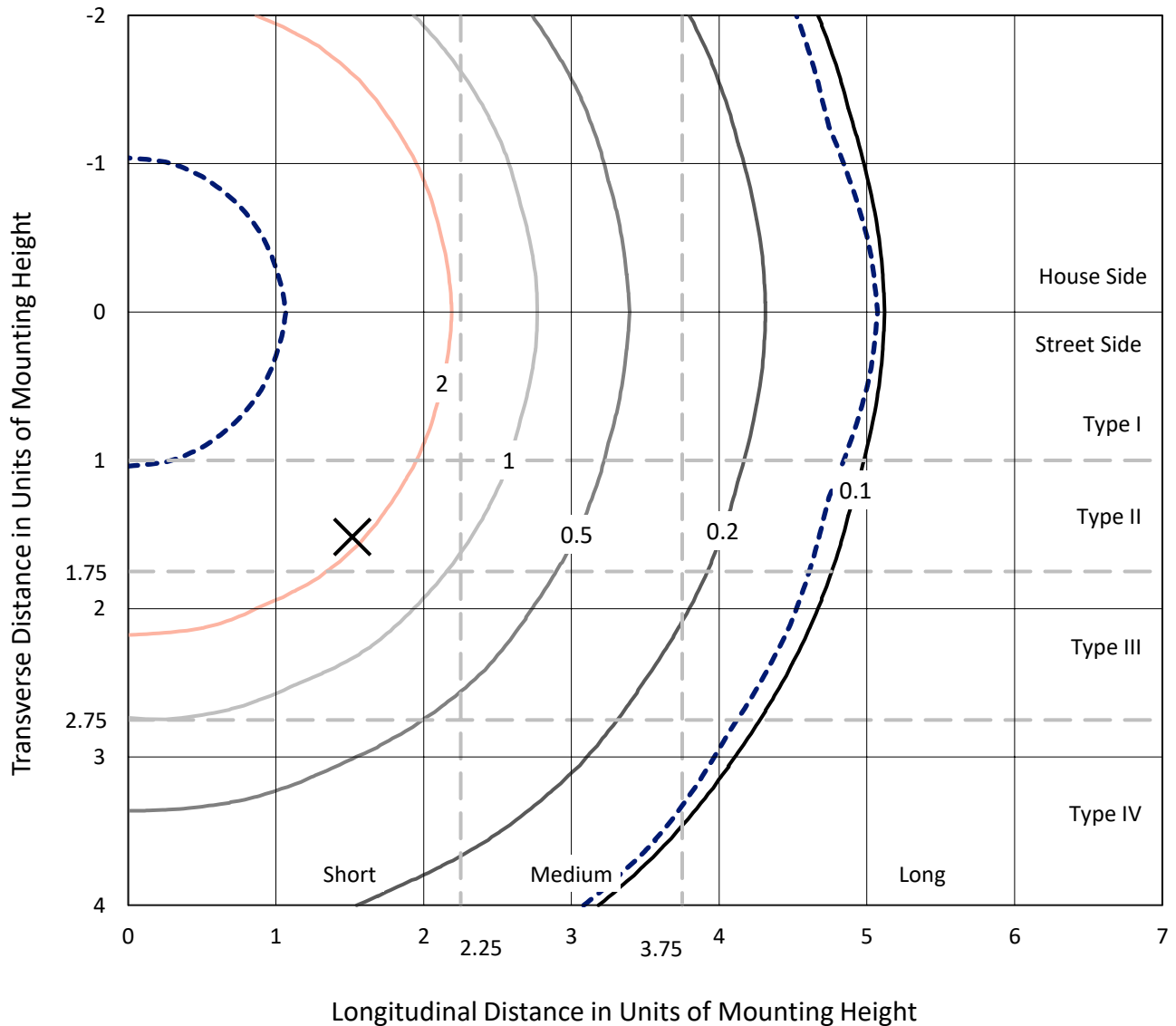
Input Watts (W): 86
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P553777
 CATALOG NUMBER: LXS-VA3-740-U-SYM-C

Iso-Footcandle Lines of Horizontal Illumination

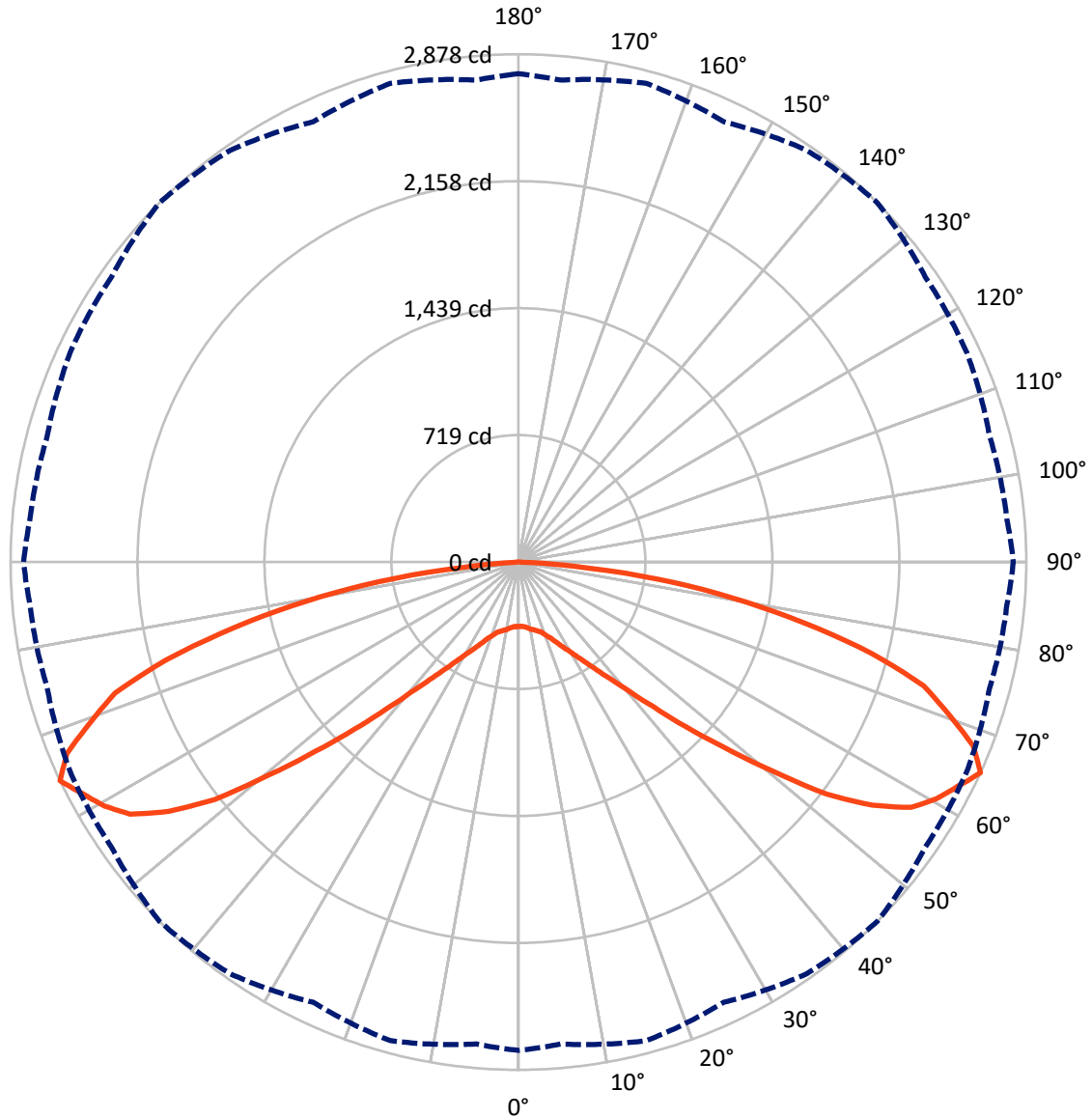
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

REPORT NUMBER: P553777
CATALOG NUMBER: LXS-VA3-740-U-SYM-C

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P553777

CATALOG NUMBER: LXS-VA3-740-U-SYM-C

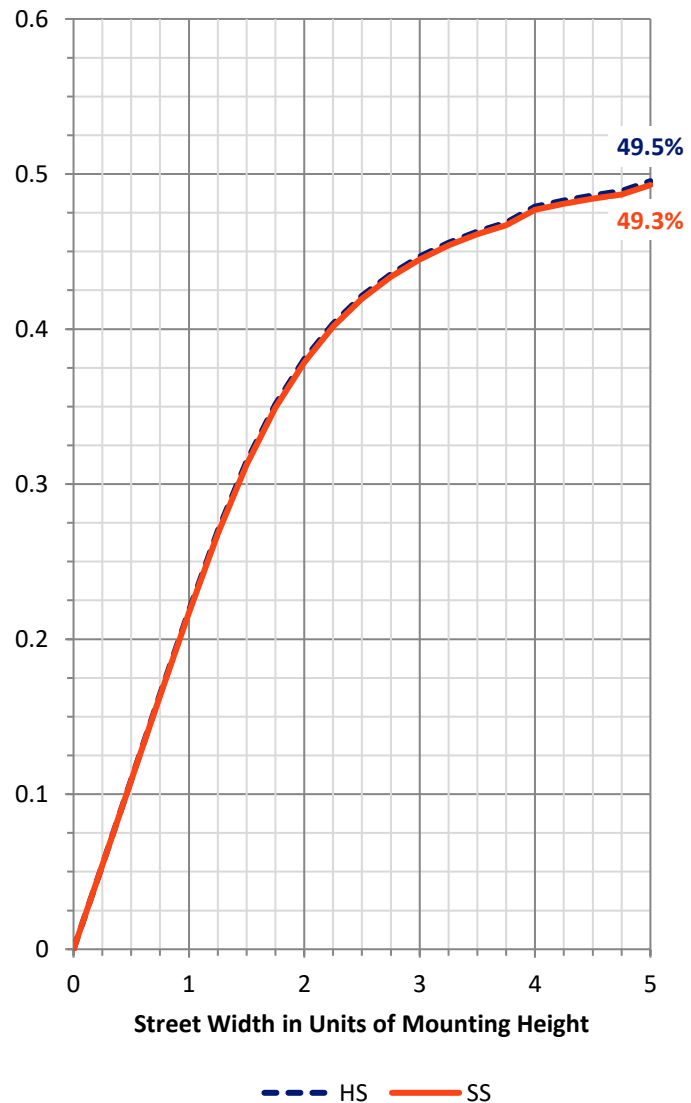
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 4638.5 | 0.0 | 4638.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 4638.5 | 0.0 | 4638.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 9277.0 | 0.0 | 9277.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 35.8 | 0.4 |
| 10°-20° | 116.1 | 1.3 |
| 20°-30° | 238.2 | 2.6 |
| 30°-40° | 479.7 | 5.2 |
| 40°-50° | 1052.1 | 11.3 |
| 50°-60° | 2109.6 | 22.7 |
| 60°-70° | 2710.6 | 29.2 |
| 70°-80° | 2067.4 | 22.3 |
| 80°-90° | 467.5 | 5.0 |
| 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° | 9277.0 | 100.0 |
| 0°-180° | 9277.0 | 100.0 |



REPORT NUMBER: P553777

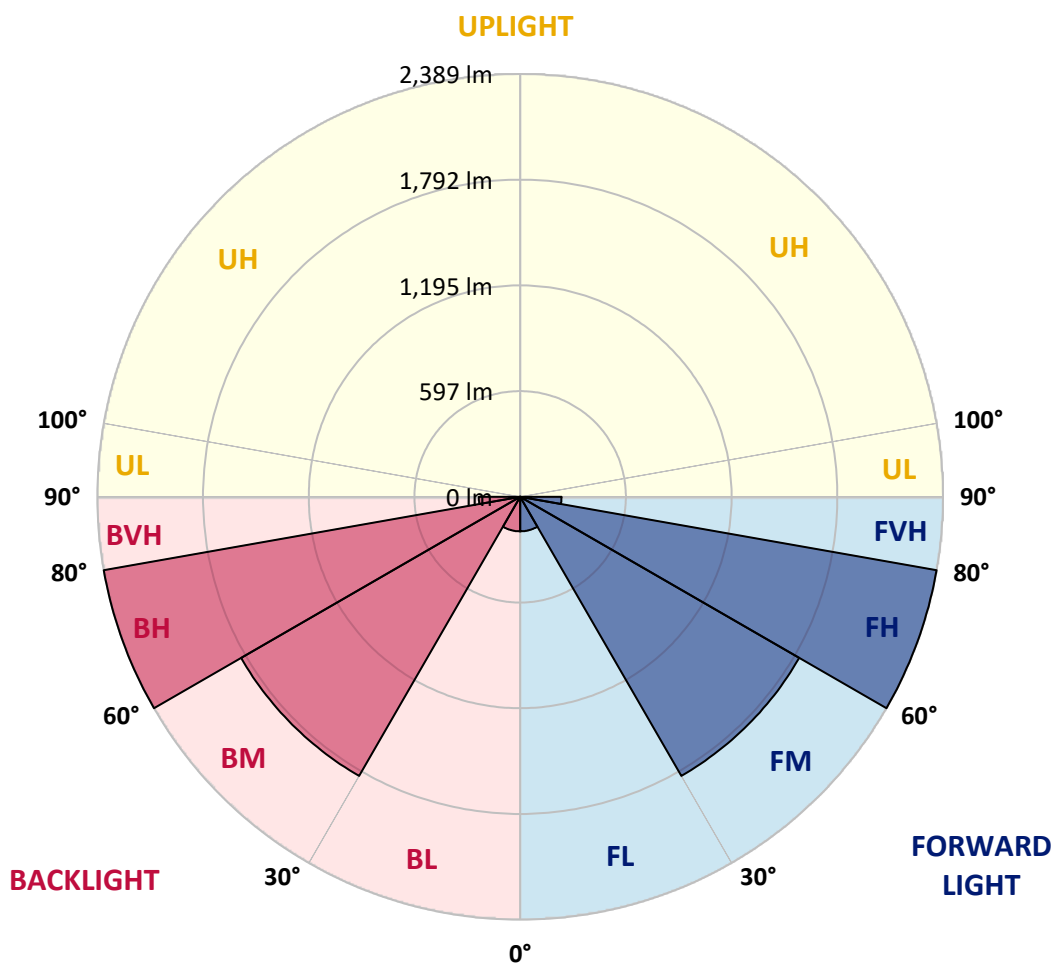
CATALOG NUMBER: LXS-VA3-740-U-SYM-C

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 195.0 | 2.1 | | | |
| FM | (30°-60°) | 1820.7 | 19.6 | | | |
| FH | (60°-80°) | 2389.0 | 25.8 | | | G2/5000 |
| FVH | (80°-90°) | 233.7 | 2.5 | | | G3/500 |
| BL | (0°-30°) | 195.0 | 2.1 | B1/500 | | |
| BM | (30°-60°) | 1820.7 | 19.6 | B2/2500 | | |
| BH | (60°-80°) | 2389.0 | 25.8 | B3/2500 | | G2/5000 |
| BVH | (80°-90°) | 233.7 | 2.5 | | | G3/500 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type V Short





REPORT NUMBER: P553777

CATALOG NUMBER: LXS-VA3-740-U-SYM-C

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 |
| 2.5° | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 | 364.8 |
| 5° | 372.2 | 372.2 | 368.5 | 368.5 | 368.5 | 368.5 | 368.5 | 368.5 | 368.5 | 368.5 | 368.5 |
| 7.5° | 379.5 | 379.5 | 379.5 | 379.5 | 375.9 | 375.9 | 375.9 | 375.9 | 375.9 | 375.9 | 375.9 |
| 10° | 390.6 | 390.6 | 386.9 | 386.9 | 386.9 | 386.9 | 383.2 | 383.2 | 383.2 | 383.2 | 383.2 |
| 12.5° | 401.7 | 398.0 | 398.0 | 398.0 | 398.0 | 394.3 | 394.3 | 394.3 | 394.3 | 394.3 | 394.3 |
| 15° | 412.7 | 409.0 | 409.0 | 405.3 | 405.3 | 405.3 | 398.0 | 398.0 | 401.7 | 405.3 | 405.3 |
| 17.5° | 423.8 | 423.8 | 420.1 | 416.4 | 416.4 | 416.4 | 412.7 | 405.3 | 409.0 | 416.4 | 416.4 |
| 20° | 449.6 | 449.6 | 445.9 | 438.5 | 442.2 | 442.2 | 434.8 | 431.1 | 434.8 | 438.5 | 438.5 |
| 22.5° | 482.7 | 482.7 | 475.4 | 468.0 | 471.7 | 468.0 | 464.3 | 456.9 | 456.9 | 464.3 | 464.3 |
| 25° | 523.3 | 523.3 | 512.2 | 504.8 | 504.8 | 504.8 | 497.5 | 493.8 | 490.1 | 493.8 | 493.8 |
| 27.5° | 571.2 | 571.2 | 560.1 | 552.7 | 549.0 | 549.0 | 541.7 | 538.0 | 534.3 | 530.6 | 526.9 |
| 30° | 637.5 | 637.5 | 619.1 | 611.7 | 608.0 | 608.0 | 593.3 | 593.3 | 589.6 | 582.2 | 582.2 |
| 32.5° | 703.8 | 703.8 | 689.1 | 674.3 | 674.3 | 659.6 | 655.9 | 659.6 | 652.2 | 648.5 | 644.9 |
| 35° | 777.5 | 777.5 | 759.1 | 755.4 | 755.4 | 737.0 | 725.9 | 729.6 | 729.6 | 725.9 | 722.2 |
| 37.5° | 869.6 | 869.6 | 843.8 | 843.8 | 847.5 | 832.8 | 818.0 | 821.7 | 829.1 | 821.7 | 814.4 |
| 40° | 983.9 | 987.6 | 958.1 | 965.4 | 969.1 | 954.4 | 939.6 | 936.0 | 950.7 | 936.0 | 921.2 |
| 42.5° | 1142.3 | 1146.0 | 1116.5 | 1120.2 | 1127.6 | 1120.2 | 1109.2 | 1101.8 | 1120.2 | 1090.7 | 1076.0 |
| 45° | 1333.9 | 1345.0 | 1322.9 | 1322.9 | 1330.2 | 1330.2 | 1322.9 | 1319.2 | 1322.9 | 1282.3 | 1267.6 |
| 47.5° | 1569.8 | 1580.8 | 1551.3 | 1555.0 | 1573.4 | 1569.8 | 1569.8 | 1566.1 | 1551.3 | 1514.5 | 1485.0 |
| 50° | 1827.7 | 1838.8 | 1816.7 | 1820.3 | 1846.1 | 1853.5 | 1842.4 | 1831.4 | 1816.7 | 1779.8 | 1757.7 |
| 52.5° | 2140.9 | 2144.6 | 2148.3 | 2129.9 | 2159.3 | 2185.1 | 2155.7 | 2159.3 | 2137.2 | 2096.7 | 2067.2 |
| 55° | 2384.1 | 2391.5 | 2406.2 | 2384.1 | 2435.7 | 2432.0 | 2435.7 | 2421.0 | 2380.4 | 2351.0 | 2336.2 |
| 57.5° | 2549.9 | 2542.6 | 2590.5 | 2546.3 | 2608.9 | 2623.6 | 2586.8 | 2583.1 | 2549.9 | 2520.5 | 2516.8 |
| 60° | 2638.4 | 2645.8 | 2697.3 | 2653.1 | 2701.0 | 2723.1 | 2682.6 | 2701.0 | 2649.4 | 2638.4 | 2645.8 |
| 62.5° | 2686.3 | 2726.8 | 2796.8 | 2741.6 | 2848.4 | 2796.8 | 2818.9 | 2807.9 | 2756.3 | 2737.9 | 2741.6 |
| 65° | 2767.4 | 2741.6 | 2807.9 | 2752.6 | 2848.4 | 2877.9 | 2815.3 | 2804.2 | 2763.7 | 2778.4 | 2804.2 |
| 67.5° | 2653.1 | 2671.5 | 2756.3 | 2715.8 | 2771.0 | 2778.4 | 2719.5 | 2737.9 | 2682.6 | 2712.1 | 2719.5 |
| 70° | 2461.5 | 2535.2 | 2557.3 | 2520.5 | 2634.7 | 2586.8 | 2579.4 | 2568.4 | 2509.4 | 2564.7 | 2561.0 |
| 72.5° | 2280.9 | 2277.3 | 2306.7 | 2277.3 | 2365.7 | 2402.6 | 2339.9 | 2332.5 | 2280.9 | 2321.5 | 2347.3 |
| 75° | 1949.3 | 1978.8 | 2026.7 | 1989.8 | 2019.3 | 2067.2 | 1986.2 | 2015.6 | 1986.2 | 2008.3 | 2037.7 |
| 77.5° | 1555.0 | 1614.0 | 1628.7 | 1595.6 | 1654.5 | 1654.5 | 1610.3 | 1614.0 | 1599.2 | 1647.1 | 1647.1 |
| 80° | 1182.9 | 1197.6 | 1190.2 | 1175.5 | 1234.4 | 1227.1 | 1208.6 | 1201.3 | 1175.5 | 1230.8 | 1252.9 |
| 82.5° | 773.8 | 773.8 | 773.8 | 755.4 | 792.3 | 799.6 | 784.9 | 784.9 | 759.1 | 803.3 | 821.7 |
| 85° | 331.6 | 335.3 | 328.0 | 280.1 | 324.3 | 316.9 | 328.0 | 316.9 | 316.9 | 353.7 | 342.7 |
| 87.5° | 18.4 | 18.4 | 18.4 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 11.1 | 7.4 |
| 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)