

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: P672840

Luminaire Tested: **CCP-SA-2E-740-U-RW**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672840
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-RW
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ RW distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

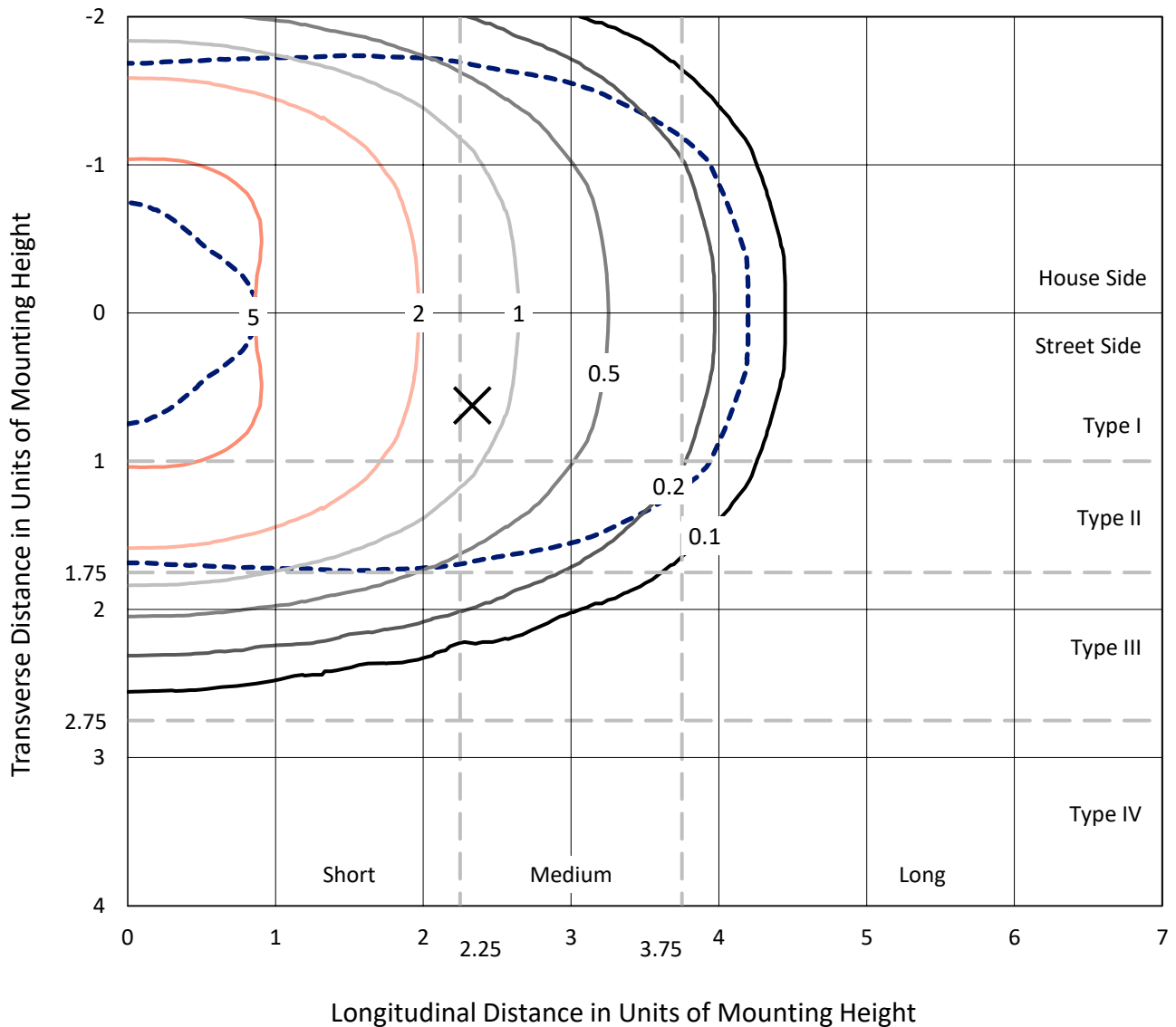
Lumens per Lamp: N/A
Luminaire Lumens: 13908.7 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 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

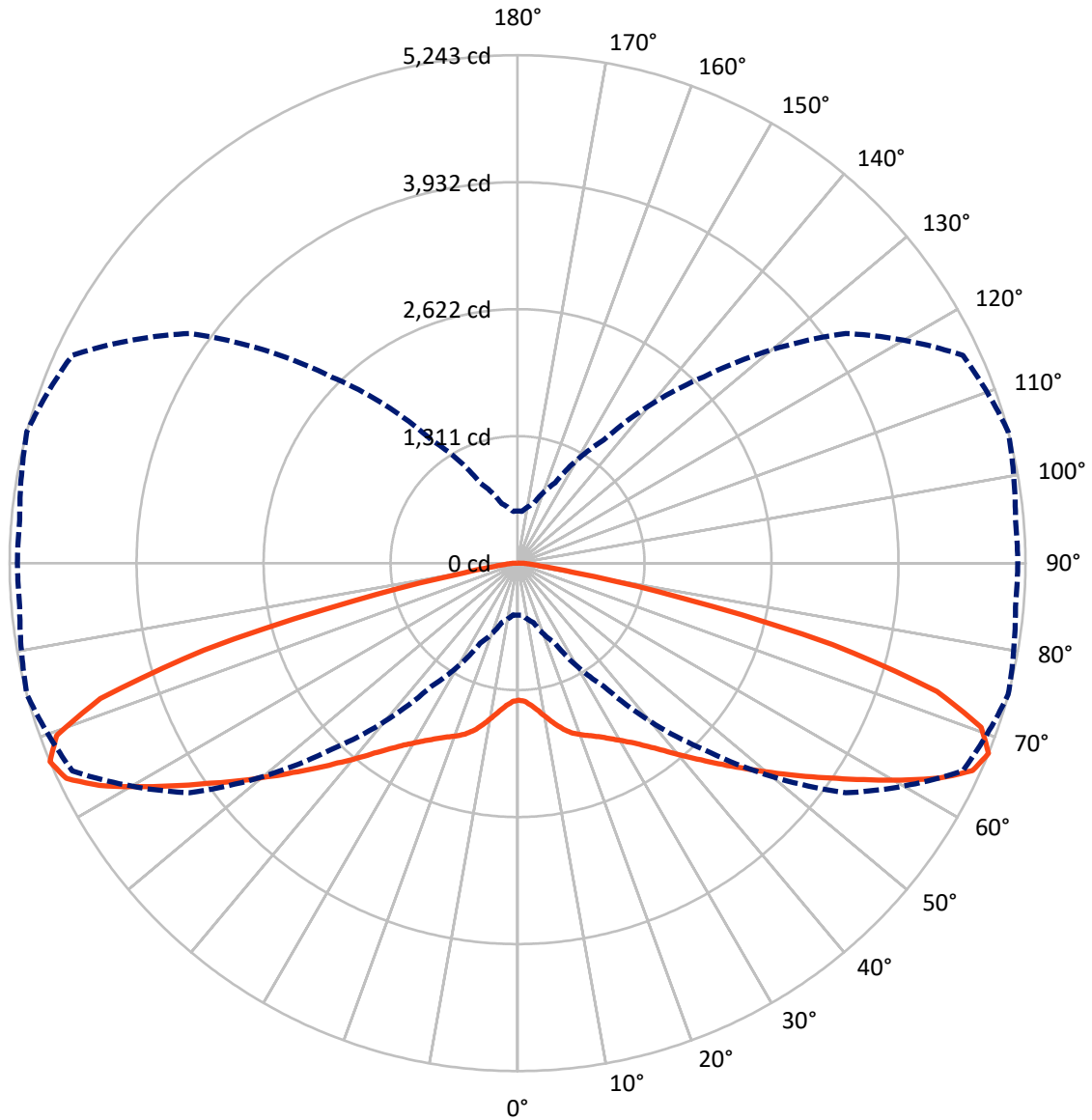
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.3 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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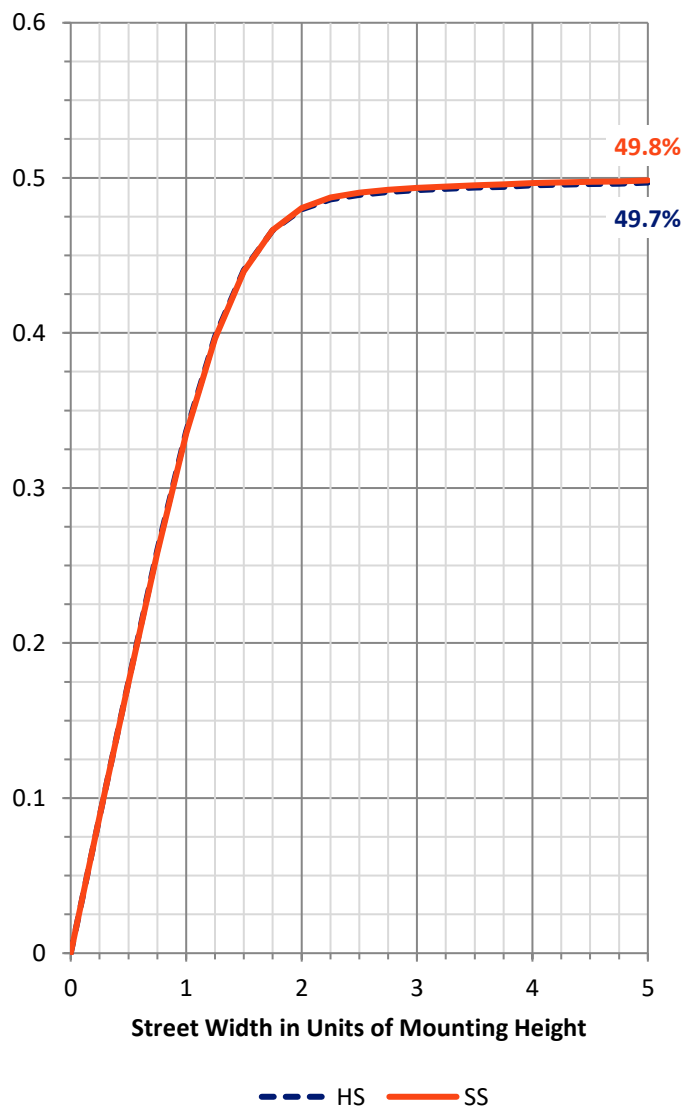
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6954.3 | 0.0 | 6954.3 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 6954.3 | 0.0 | 6954.3 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 13908.7 | 0.0 | 13908.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 140.0 | 1.0 |
| 10°-20° | 471.8 | 3.4 |
| 20°-30° | 921.2 | 6.6 |
| 30°-40° | 1589.3 | 11.4 |
| 40°-50° | 2574.4 | 18.5 |
| 50°-60° | 3501.3 | 25.2 |
| 60°-70° | 3230.0 | 23.2 |
| 70°-80° | 1351.6 | 9.7 |
| 80°-90° | 129.0 | 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° | 13908.7 | 100.0 |
| 0°-180° | 13908.7 | 100.0 |



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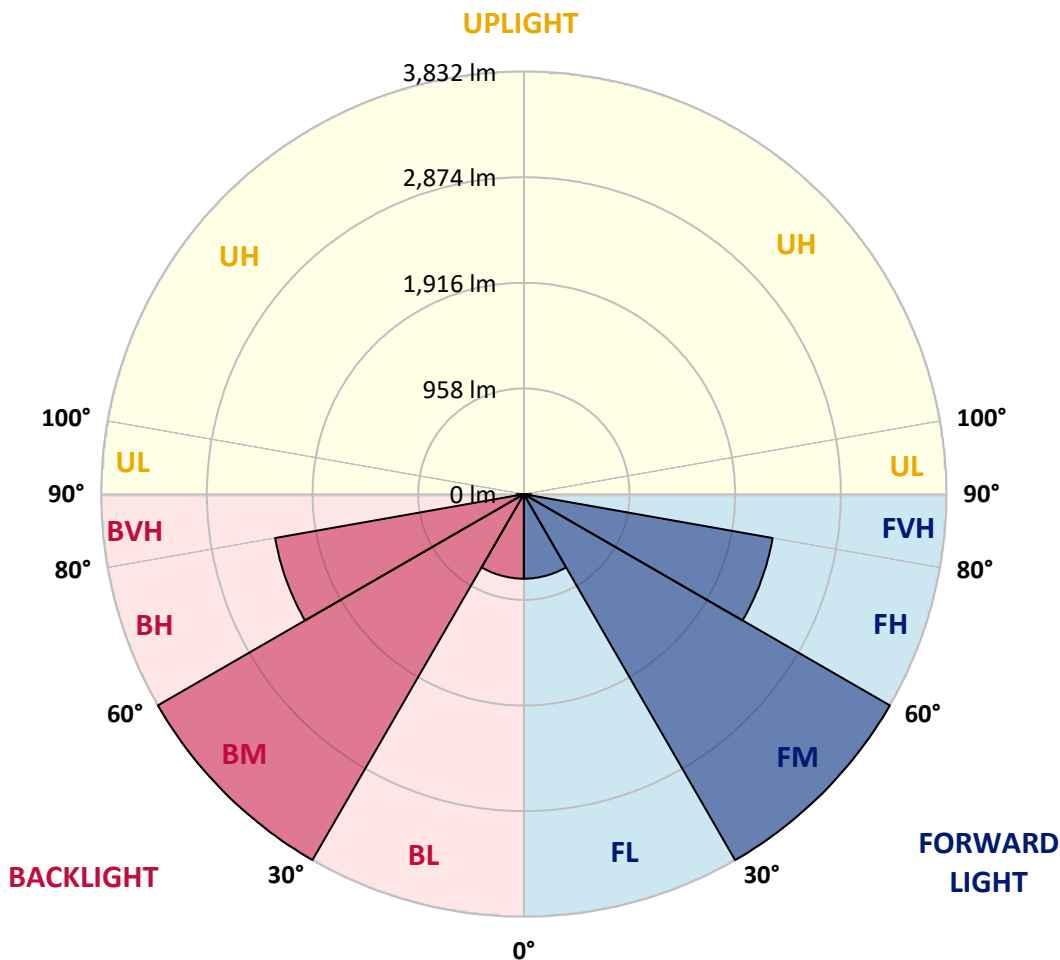
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 766.5 | 5.5 | | | |
| FM | (30°-60°) | 3832.5 | 27.6 | | | |
| FH | (60°-80°) | 2290.8 | 16.5 | | | G2/5000 |
| FVH | (80°-90°) | 64.5 | 0.5 | | | G1/100 |
| BL | (0°-30°) | 766.5 | 5.5 | B2/1000 | | |
| BM | (30°-60°) | 3832.5 | 27.6 | B3/5000 | | |
| BH | (60°-80°) | 2290.8 | 16.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 64.5 | 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° | 1415 | 1415 | 1415 | 1415 | 1415 | 1415 | 1415 | 1415 | 1415 | 1415 | 1415 |
| 2.5° | 1406 | 1406 | 1410 | 1415 | 1417 | 1421 | 1422 | 1422 | 1428 | 1427 | 1428 |
| 5° | 1402 | 1402 | 1409 | 1418 | 1428 | 1440 | 1452 | 1459 | 1474 | 1477 | 1478 |
| 7.5° | 1406 | 1407 | 1417 | 1432 | 1449 | 1471 | 1494 | 1513 | 1538 | 1547 | 1553 |
| 10° | 1421 | 1422 | 1435 | 1456 | 1482 | 1514 | 1547 | 1577 | 1617 | 1635 | 1638 |
| 12.5° | 1444 | 1445 | 1464 | 1498 | 1535 | 1575 | 1612 | 1650 | 1700 | 1727 | 1733 |
| 15° | 1479 | 1476 | 1506 | 1556 | 1608 | 1658 | 1691 | 1728 | 1781 | 1816 | 1825 |
| 17.5° | 1527 | 1529 | 1566 | 1630 | 1694 | 1745 | 1778 | 1799 | 1845 | 1881 | 1890 |
| 20° | 1587 | 1596 | 1643 | 1717 | 1792 | 1846 | 1869 | 1866 | 1892 | 1923 | 1930 |
| 22.5° | 1672 | 1678 | 1735 | 1818 | 1904 | 1960 | 1969 | 1936 | 1935 | 1955 | 1964 |
| 25° | 1772 | 1777 | 1837 | 1933 | 2024 | 2083 | 2074 | 2017 | 1987 | 1988 | 1994 |
| 27.5° | 1889 | 1899 | 1961 | 2059 | 2153 | 2207 | 2194 | 2111 | 2052 | 2034 | 2030 |
| 30° | 2041 | 2052 | 2115 | 2209 | 2292 | 2340 | 2320 | 2215 | 2127 | 2097 | 2091 |
| 32.5° | 2239 | 2238 | 2303 | 2394 | 2452 | 2483 | 2444 | 2325 | 2214 | 2174 | 2166 |
| 35° | 2443 | 2453 | 2517 | 2605 | 2649 | 2651 | 2589 | 2455 | 2323 | 2254 | 2239 |
| 37.5° | 2673 | 2678 | 2752 | 2835 | 2864 | 2848 | 2756 | 2607 | 2455 | 2382 | 2356 |
| 40° | 2909 | 2914 | 3000 | 3080 | 3112 | 3074 | 2953 | 2775 | 2611 | 2531 | 2516 |
| 42.5° | 3128 | 3141 | 3237 | 3331 | 3362 | 3318 | 3172 | 2959 | 2776 | 2699 | 2679 |
| 45° | 3310 | 3324 | 3432 | 3552 | 3607 | 3571 | 3406 | 3166 | 2966 | 2883 | 2849 |
| 47.5° | 3447 | 3465 | 3580 | 3724 | 3831 | 3824 | 3655 | 3385 | 3170 | 3072 | 3041 |
| 50° | 3541 | 3560 | 3684 | 3839 | 4000 | 4054 | 3908 | 3627 | 3397 | 3287 | 3266 |
| 52.5° | 3548 | 3565 | 3707 | 3900 | 4115 | 4234 | 4157 | 3882 | 3647 | 3533 | 3518 |
| 55° | 3392 | 3404 | 3593 | 3850 | 4162 | 4372 | 4384 | 4160 | 3914 | 3799 | 3792 |
| 57.5° | 3034 | 3051 | 3277 | 3617 | 4084 | 4461 | 4581 | 4451 | 4216 | 4108 | 4102 |
| 60° | 2451 | 2473 | 2731 | 3183 | 3802 | 4438 | 4748 | 4724 | 4546 | 4441 | 4437 |
| 62.5° | 1729 | 1737 | 2006 | 2504 | 3250 | 4194 | 4829 | 4990 | 4888 | 4782 | 4788 |
| 65° | 1016 | 1027 | 1224 | 1672 | 2465 | 3633 | 4689 | 5175 | 5162 | 5065 | 5075 |
| 67.5° | 537 | 537 | 636 | 914 | 1550 | 2720 | 4132 | 5073 | 5243 | 5158 | 5163 |
| 70° | 371 | 370 | 388 | 459 | 749 | 1686 | 3091 | 4539 | 5078 | 5046 | 5059 |
| 72.5° | 314 | 312 | 313 | 323 | 381 | 762 | 1877 | 3496 | 4527 | 4576 | 4587 |
| 75° | 275 | 272 | 270 | 268 | 273 | 346 | 856 | 2157 | 3356 | 3664 | 3658 |
| 77.5° | 237 | 235 | 233 | 226 | 218 | 227 | 350 | 970 | 1726 | 2037 | 2015 |
| 80° | 195 | 195 | 198 | 188 | 173 | 167 | 209 | 362 | 573 | 598 | 550 |
| 82.5° | 153 | 153 | 168 | 154 | 136 | 121 | 145 | 193 | 233 | 189 | 154 |
| 85° | 108 | 109 | 140 | 128 | 105 | 70 | 90 | 115 | 131 | 83 | 65 |
| 87.5° | 44 | 47 | 87 | 69 | 66 | 35 | 42 | 51 | 65 | 35 | 28 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(END OF REPORT)