

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: STREETWORKS

Report Number: P416777

Luminaire Tested: **LXF.LXT-PA1-80-740-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-740-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9288.9 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 83
Input Voltage (V): NR
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: 28.75 FT

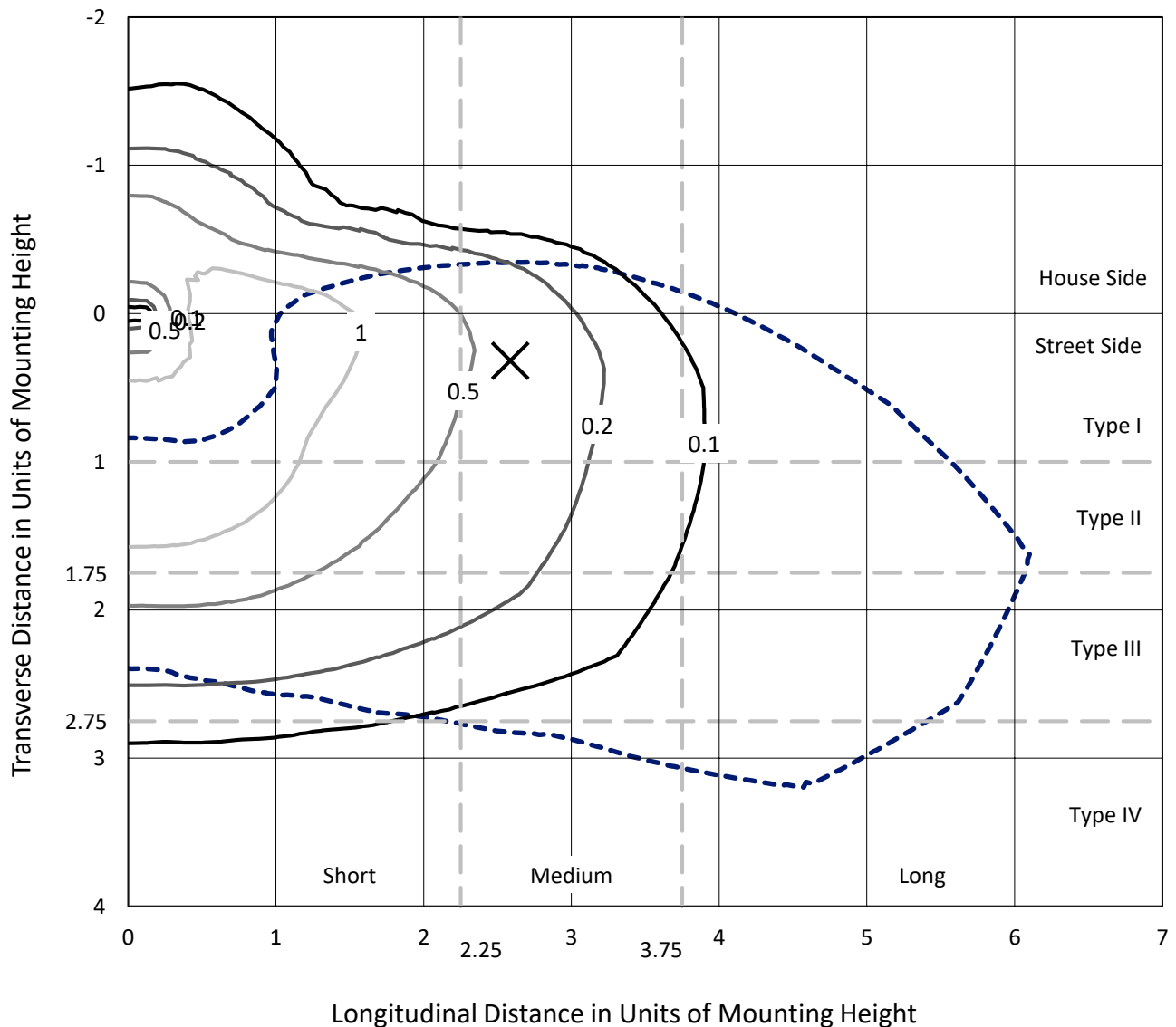


REPORT NUMBER: P416777

CATALOG NUMBER: LXF.LXT-PA1-80-740-U-T3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

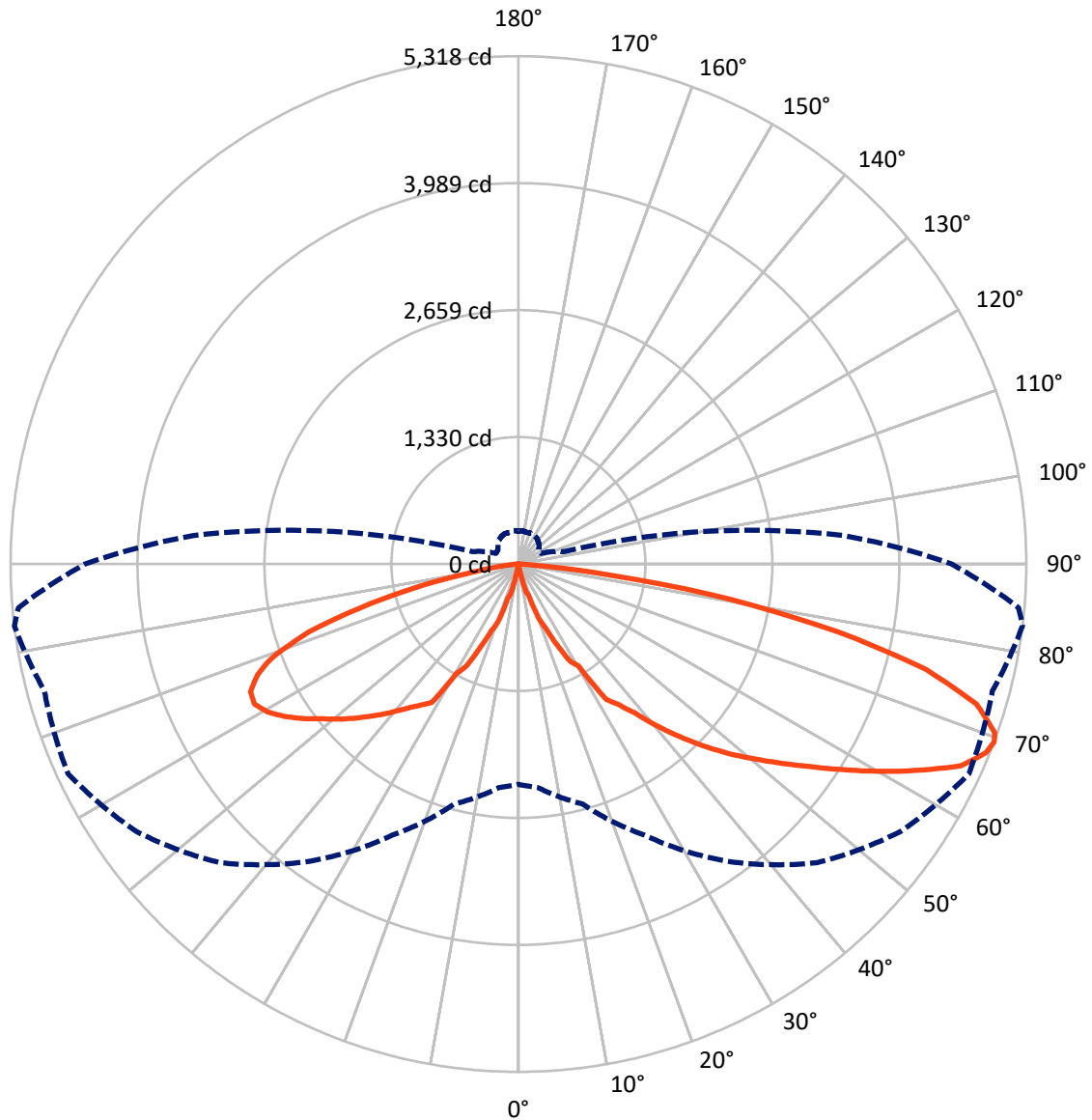


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416777

CATALOG NUMBER: LXF.LXT-PA1-80-740-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P416777

CATALOG NUMBER: LXF.LXT-PA1-80-740-U-T3

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1970.2 | 0.0 | 1970.2 |
| | % Fixture | 21.2 | 0.0 | 21.2 |
| Street Side | Lumens | 7318.7 | 0.0 | 7318.7 |
| | % Fixture | 78.8 | 0.0 | 78.8 |
| Total | Lumens | 9288.9 | 0.0 | 9288.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 6.0 | 0.1 |
| 10°-20° | 94.4 | 1.0 |
| 20°-30° | 372.5 | 4.0 |
| 30°-40° | 828.9 | 8.9 |
| 40°-50° | 1407.6 | 15.2 |
| 50°-60° | 2097.7 | 22.6 |
| 60°-70° | 2470.4 | 26.6 |
| 70°-80° | 1729.1 | 18.6 |
| 80°-90° | 282.3 | 3.0 |
| 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° | 9288.9 | 100.0 |
| 0°-180° | 9288.9 | 100.0 |



REPORT NUMBER: P416777

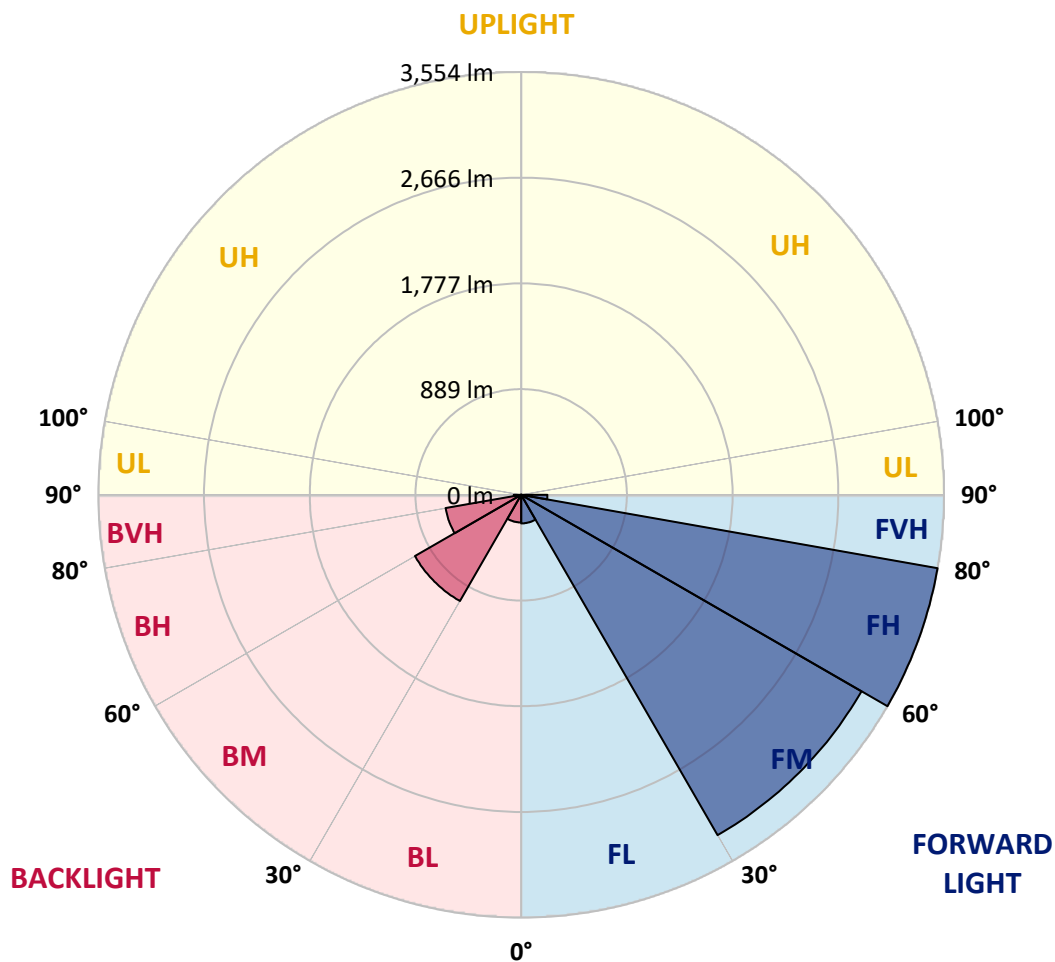
CATALOG NUMBER: LXF.LXT-PA1-80-740-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 240.6 | 2.6 | | | |
| FM (30°-60°) | 3303.3 | 35.6 | | | |
| FH (60°-80°) | 3554.2 | 38.3 | | | G2/5000 |
| FVH (80°-90°) | 220.7 | 2.4 | | | G2/225 |
| BL (0°-30°) | 232.4 | 2.5 | B1/500 | | |
| BM (30°-60°) | 1030.9 | 11.1 | B2/2500 | | |
| BH (60°-80°) | 645.3 | 6.9 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 61.6 | 0.7 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type IV Medium





REPORT NUMBER: P416777

CATALOG NUMBER: LXF.LXT-PA1-80-740-U-T3

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 83° | 85° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 2.5° | 5 | 4 | 5 | 6 | 6 | 5 | 4 | 4 | 4 | 4 | 3 |
| 5° | 81 | 59 | 53 | 47 | 28 | 10 | 6 | 4 | 4 | 4 | 4 |
| 7.5° | 171 | 171 | 171 | 172 | 171 | 127 | 30 | 7 | 4 | 4 | 4 |
| 10° | 173 | 172 | 171 | 172 | 174 | 175 | 169 | 24 | 10 | 9 | 9 |
| 12.5° | 313 | 311 | 300 | 210 | 178 | 179 | 183 | 132 | 48 | 127 | 148 |
| 15° | 332 | 330 | 330 | 331 | 314 | 195 | 275 | 360 | 256 | 306 | 311 |
| 17.5° | 372 | 361 | 352 | 346 | 348 | 388 | 390 | 398 | 298 | 343 | 349 |
| 20° | 570 | 566 | 534 | 409 | 382 | 504 | 449 | 442 | 558 | 606 | 616 |
| 22.5° | 651 | 647 | 624 | 602 | 628 | 549 | 639 | 659 | 756 | 727 | 736 |
| 25° | 884 | 881 | 753 | 697 | 766 | 631 | 789 | 755 | 835 | 931 | 941 |
| 27.5° | 1082 | 1075 | 1049 | 940 | 855 | 946 | 873 | 1009 | 1134 | 1150 | 1180 |
| 30° | 1285 | 1239 | 1159 | 1163 | 1053 | 1043 | 1040 | 1211 | 1215 | 1240 | 1291 |
| 32.5° | 1617 | 1596 | 1529 | 1322 | 1298 | 1159 | 1280 | 1291 | 1587 | 1691 | 1701 |
| 35° | 1883 | 1793 | 1730 | 1613 | 1431 | 1476 | 1426 | 1624 | 1741 | 1808 | 1849 |
| 37.5° | 2307 | 2319 | 2216 | 1790 | 1676 | 1624 | 1711 | 1818 | 1964 | 1980 | 2042 |
| 40° | 2612 | 2604 | 2465 | 2151 | 1896 | 1843 | 1901 | 2006 | 2204 | 2224 | 2239 |
| 42.5° | 3056 | 3017 | 2823 | 2470 | 2234 | 2122 | 2138 | 2182 | 2380 | 2469 | 2451 |
| 45° | 3467 | 3441 | 3245 | 2810 | 2554 | 2423 | 2399 | 2360 | 2598 | 2717 | 2684 |
| 47.5° | 3789 | 3743 | 3631 | 3188 | 2991 | 2768 | 2648 | 2577 | 2814 | 2966 | 2920 |
| 50° | 4134 | 4064 | 3963 | 3563 | 3369 | 3170 | 2906 | 2817 | 3057 | 3208 | 3171 |
| 52.5° | 4363 | 4254 | 4191 | 3897 | 3718 | 3544 | 3157 | 3097 | 3324 | 3469 | 3461 |
| 55° | 4248 | 4244 | 4308 | 4122 | 3948 | 3764 | 3418 | 3415 | 3603 | 3752 | 3759 |
| 57.5° | 4048 | 4069 | 4251 | 4279 | 4205 | 3989 | 3741 | 3771 | 3931 | 4069 | 4084 |
| 60° | 3793 | 3851 | 4113 | 4261 | 4320 | 4213 | 4052 | 4098 | 4289 | 4408 | 4404 |
| 62.5° | 3456 | 3503 | 3829 | 4164 | 4284 | 4385 | 4339 | 4487 | 4638 | 4750 | 4779 |
| 65° | 3058 | 3077 | 3430 | 3882 | 4192 | 4473 | 4579 | 4848 | 4921 | 5093 | 5099 |
| 67.5° | 2617 | 2623 | 2930 | 3469 | 3992 | 4466 | 4783 | 5115 | 5096 | 5279 | 5265 |
| 69° | 2307 | 2350 | 2602 | 3133 | 3798 | 4423 | 4884 | 5203 | 5139 | 5318 | 5257 |
| 70° | 2089 | 2086 | 2374 | 2848 | 3627 | 4368 | 4948 | 5226 | 5140 | 5291 | 5199 |
| 72.5° | 1331 | 1351 | 1600 | 2021 | 2923 | 4050 | 5027 | 5165 | 5030 | 5015 | 4818 |
| 75° | 588 | 534 | 690 | 1070 | 1838 | 3150 | 4837 | 4890 | 4717 | 4408 | 4070 |
| 77.5° | 206 | 214 | 260 | 435 | 885 | 1877 | 4009 | 4302 | 4166 | 3423 | 3046 |
| 80° | 147 | 148 | 174 | 243 | 429 | 662 | 2552 | 3112 | 3206 | 2257 | 1940 |
| 82.5° | 104 | 104 | 129 | 155 | 297 | 296 | 1098 | 1712 | 1829 | 1001 | 749 |
| 85° | 87 | 89 | 99 | 90 | 174 | 151 | 271 | 528 | 433 | 122 | 107 |
| 87.5° | 13 | 12 | 34 | 30 | 26 | 22 | 30 | 34 | 23 | 18 | 13 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |



REPORT NUMBER: P416777

CATALOG NUMBER: LXF.LXT-PA1-80-740-U-T3

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0° | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 2.5° | 4 | 4 | 4 | 4 | 3 | 2 | 2 | 2 | 3 | 3 | 3 |
| 5° | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 7 | 8 | 9 | 9 |
| 7.5° | 4 | 4 | 4 | 5 | 6 | 9 | 49 | 170 | 186 | 194 | 199 |
| 10° | 8 | 9 | 9 | 9 | 22 | 188 | 224 | 232 | 240 | 244 | 243 |
| 12.5° | 155 | 160 | 40 | 29 | 175 | 235 | 242 | 250 | 258 | 264 | 263 |
| 15° | 319 | 327 | 314 | 325 | 345 | 255 | 261 | 442 | 479 | 486 | 487 |
| 17.5° | 356 | 362 | 368 | 479 | 491 | 378 | 452 | 485 | 489 | 491 | 492 |
| 20° | 678 | 675 | 546 | 525 | 520 | 656 | 480 | 489 | 585 | 666 | 670 |
| 22.5° | 748 | 757 | 721 | 771 | 683 | 664 | 605 | 648 | 684 | 683 | 680 |
| 25° | 970 | 982 | 827 | 802 | 819 | 660 | 755 | 647 | 657 | 658 | 664 |
| 27.5° | 1213 | 1216 | 1148 | 903 | 806 | 817 | 711 | 689 | 770 | 775 | 775 |
| 30° | 1321 | 1340 | 1213 | 1046 | 835 | 772 | 689 | 751 | 715 | 721 | 721 |
| 32.5° | 1755 | 1740 | 1584 | 1036 | 865 | 710 | 720 | 696 | 771 | 791 | 793 |
| 35° | 1869 | 1838 | 1593 | 1158 | 807 | 725 | 658 | 707 | 707 | 706 | 701 |
| 37.5° | 2010 | 1956 | 1574 | 1072 | 812 | 662 | 635 | 636 | 694 | 707 | 698 |
| 40° | 2177 | 2096 | 1571 | 1001 | 736 | 627 | 583 | 612 | 611 | 594 | 584 |
| 42.5° | 2358 | 2251 | 1564 | 917 | 661 | 588 | 550 | 541 | 546 | 515 | 512 |
| 45° | 2570 | 2411 | 1544 | 843 | 601 | 546 | 503 | 489 | 491 | 467 | 461 |
| 47.5° | 2795 | 2576 | 1539 | 785 | 551 | 504 | 469 | 451 | 458 | 431 | 425 |
| 50° | 3046 | 2746 | 1522 | 731 | 496 | 465 | 439 | 418 | 419 | 398 | 393 |
| 52.5° | 3319 | 2911 | 1503 | 657 | 446 | 432 | 417 | 401 | 419 | 391 | 385 |
| 55° | 3599 | 3112 | 1478 | 571 | 401 | 407 | 392 | 404 | 430 | 386 | 378 |
| 57.5° | 3910 | 3301 | 1431 | 477 | 365 | 379 | 389 | 405 | 426 | 385 | 370 |
| 60° | 4205 | 3483 | 1319 | 403 | 334 | 356 | 383 | 399 | 397 | 378 | 368 |
| 62.5° | 4505 | 3633 | 1112 | 346 | 308 | 345 | 374 | 381 | 372 | 365 | 359 |
| 65° | 4670 | 3670 | 862 | 308 | 287 | 330 | 363 | 369 | 356 | 356 | 351 |
| 67.5° | 4643 | 3551 | 636 | 277 | 269 | 315 | 344 | 358 | 349 | 356 | 348 |
| 69° | 4535 | 3415 | 500 | 261 | 260 | 303 | 333 | 349 | 342 | 352 | 342 |
| 70° | 4408 | 3278 | 442 | 252 | 251 | 294 | 326 | 342 | 334 | 342 | 333 |
| 72.5° | 3921 | 2813 | 317 | 227 | 230 | 276 | 309 | 321 | 314 | 316 | 304 |
| 75° | 3135 | 2091 | 251 | 206 | 209 | 255 | 290 | 297 | 292 | 283 | 276 |
| 77.5° | 2204 | 1348 | 206 | 187 | 188 | 230 | 270 | 269 | 261 | 252 | 243 |
| 80° | 1202 | 634 | 175 | 164 | 167 | 205 | 241 | 238 | 228 | 219 | 208 |
| 82.5° | 520 | 256 | 136 | 131 | 140 | 172 | 207 | 199 | 190 | 194 | 151 |
| 85° | 93 | 88 | 79 | 84 | 95 | 122 | 146 | 139 | 134 | 114 | 105 |
| 87.5° | 8 | 12 | 12 | 15 | 21 | 23 | 41 | 30 | 31 | 12 | 6 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

(END OF REPORT)