

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: P157070

Luminaire Tested: **UTLD-E02-LED-E-U-SL3**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P157070  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33669)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: UTLD-E02-LED-E-U-SL3  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (42) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 5257.5 lumens  
Efficiency: N/A  
Efficacy: 100.9 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G2

Input Watts (W): 52.1  
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



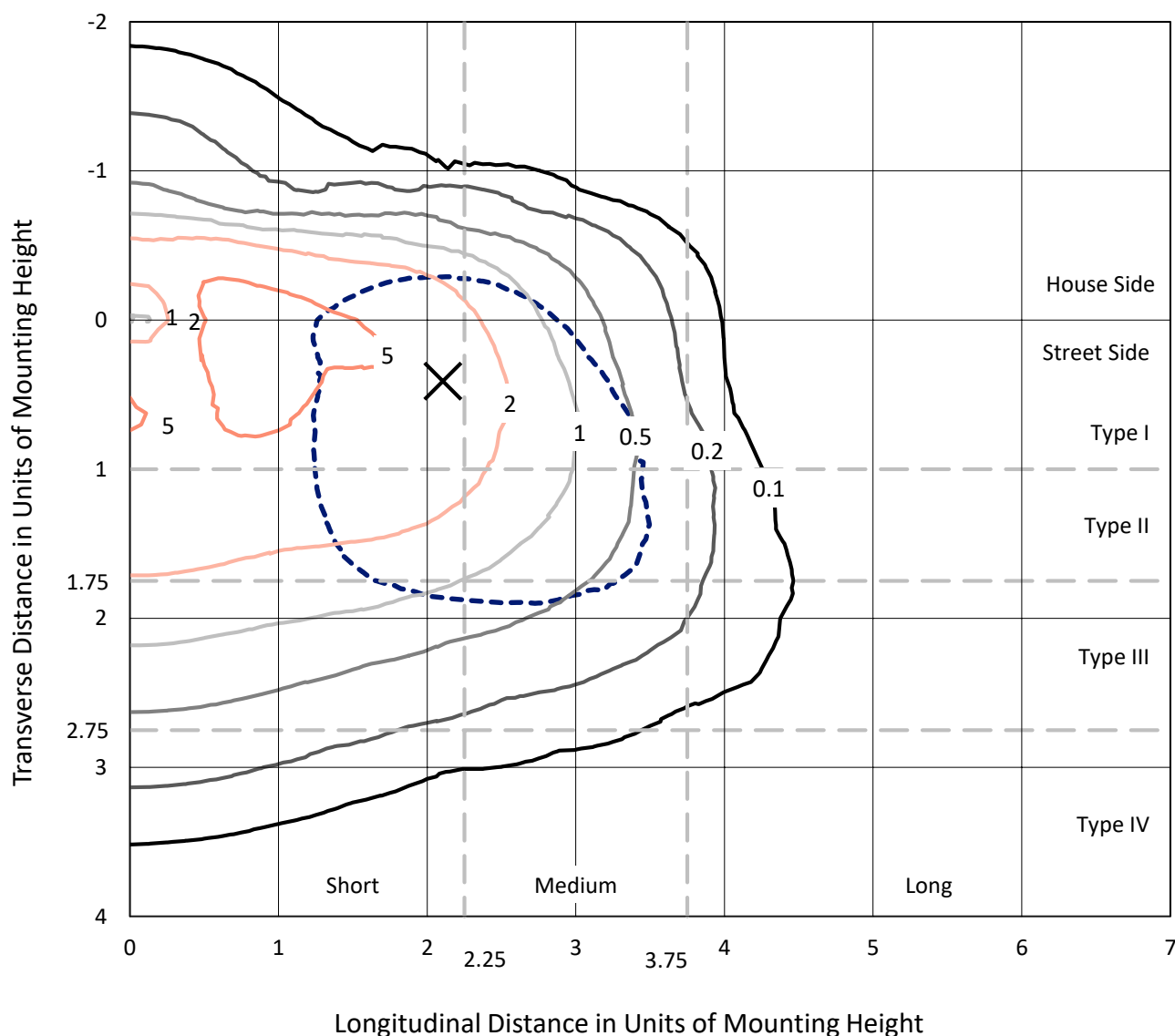
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

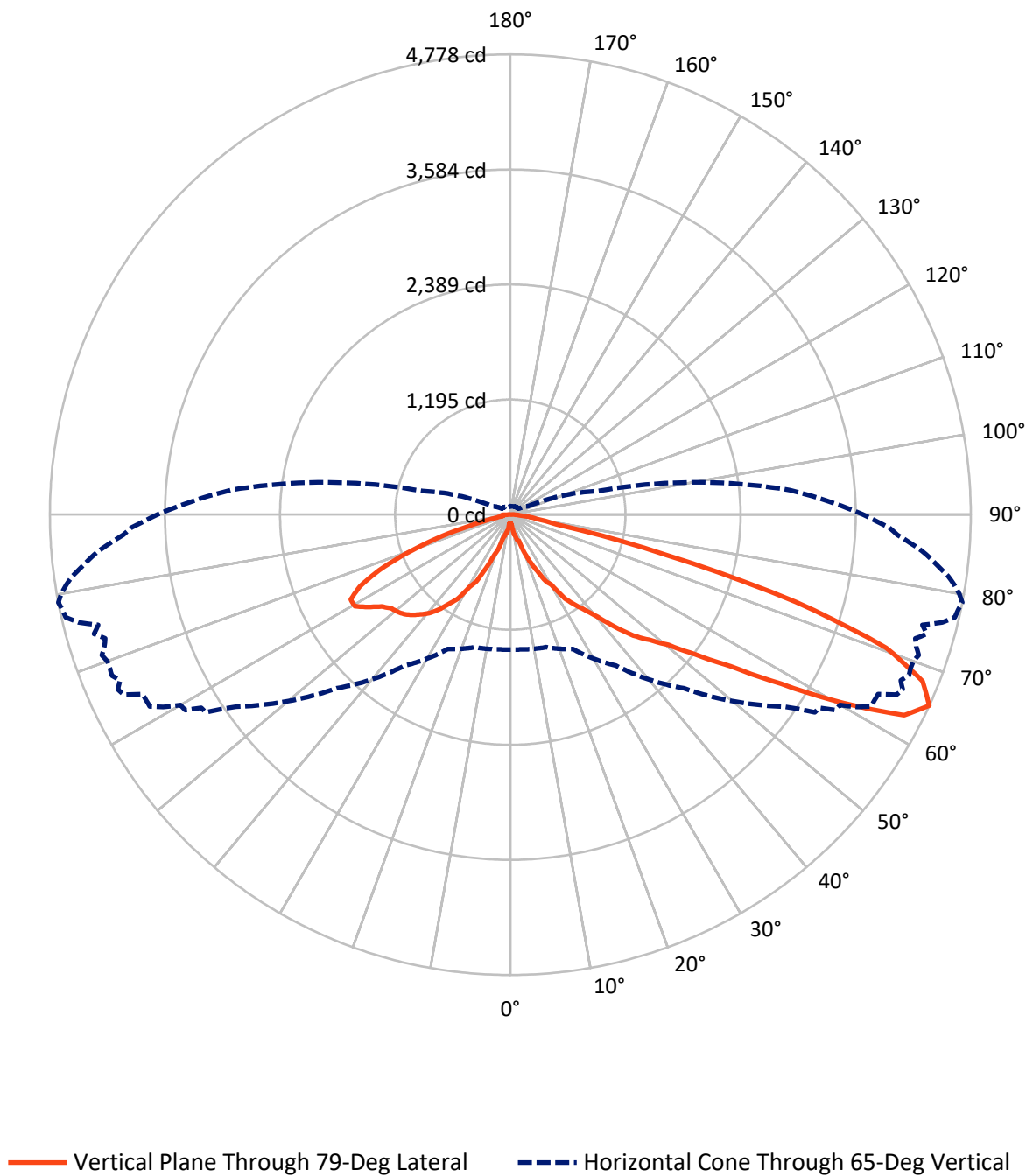


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc  
Type III - Short - Semi-Cutoff

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## Luminous Intensity Polar Plot



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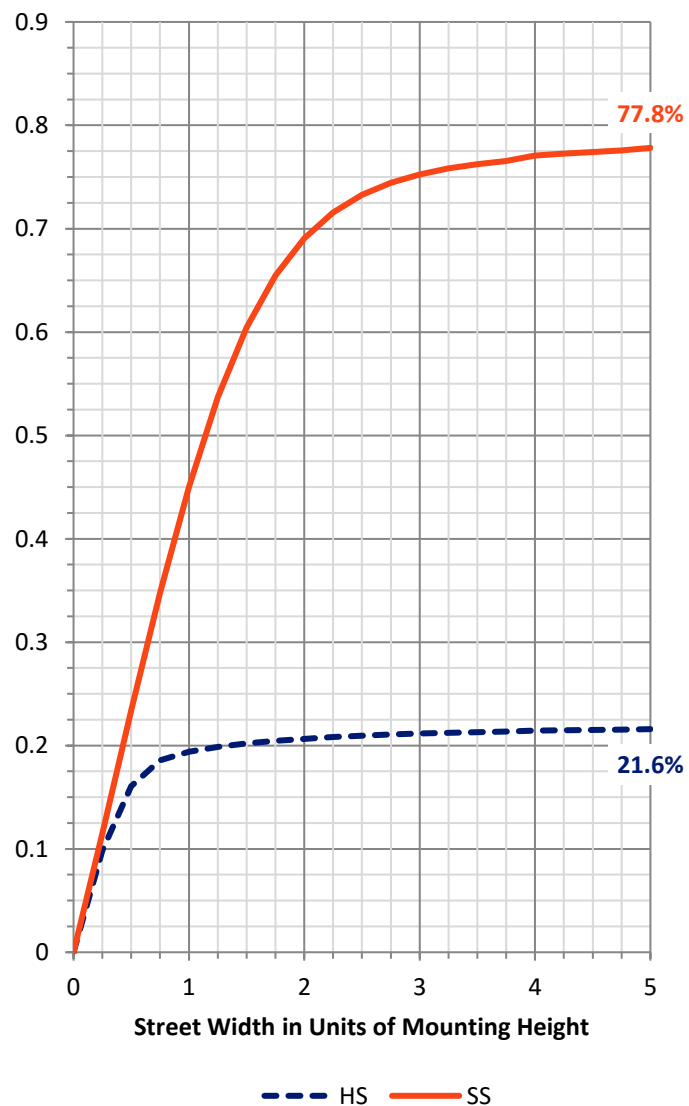
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1150.2   | 0.0    | 1150.2 |
|                    | % Fixture | 21.9     | 0.0    | 21.9   |
| <b>Street Side</b> | Lumens    | 4107.3   | 0.0    | 4107.3 |
|                    | % Fixture | 78.1     | 0.0    | 78.1   |
| <b>Total</b>       | Lumens    | 5257.5   | 0.0    | 5257.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 12.6   | 0.2       |
| 10°-20°   | 80.5   | 1.5       |
| 20°-30°   | 248.2  | 4.7       |
| 30°-40°   | 477.9  | 9.1       |
| 40°-50°   | 789.8  | 15.0      |
| 50°-60°   | 1187.9 | 22.6      |
| 60°-70°   | 1591.2 | 30.3      |
| 70°-80°   | 747.9  | 14.2      |
| 80°-90°   | 121.4  | 2.3       |
| 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°    | 5257.5 | 100.0     |
| 0°-180°   | 5257.5 | 100.0     |

**Coefficient of Utilization**



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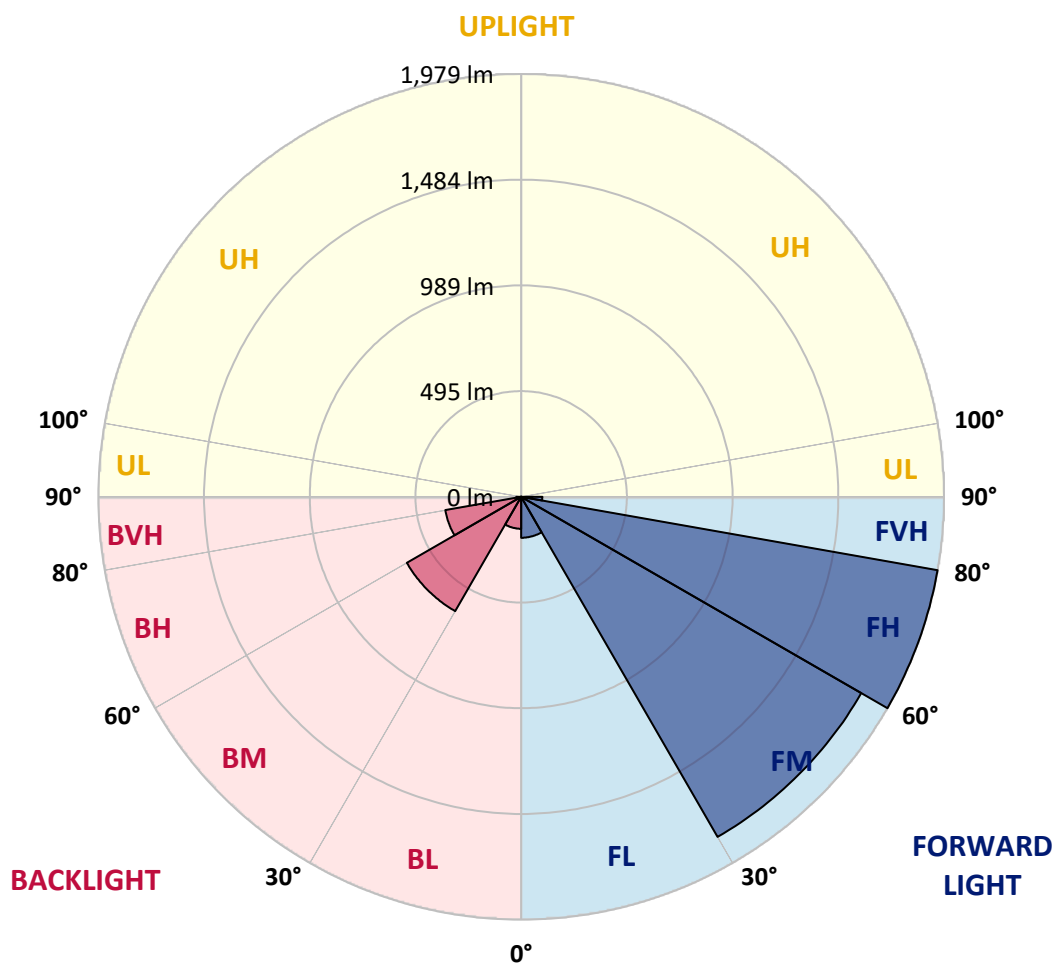
CATALOG NUMBER: UTLD-E02-LED-E-U-SL3

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 191.7  | 3.6       |                         |      |         |
| FM   | (30°-60°)   | 1837.7 | 35.0      |                         |      |         |
| FH   | (60°-80°)   | 1978.7 | 37.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 99.2   | 1.9       |                         |      | G1/100  |
| BL   | (0°-30°)    | 149.7  | 2.8       | B1/500                  |      |         |
| BM   | (30°-60°)   | 617.9  | 11.8      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 360.3  | 6.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 22.2   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°   | 5°   | 15°  | 25°  | 35°  | 45°  | 55°  | 56°  | 57°  | 58°  | 59°  |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0°    | 90   | 90   | 90   | 90   | 90   | 90   | 90   | 90   | 90   | 90   | 90   |
| 2.5°  | 150  | 149  | 149  | 150  | 148  | 147  | 128  | 124  | 120  | 117  | 114  |
| 5°    | 124  | 125  | 124  | 124  | 127  | 123  | 135  | 137  | 142  | 144  | 148  |
| 7.5°  | 199  | 200  | 198  | 196  | 161  | 129  | 125  | 125  | 125  | 129  | 128  |
| 10°   | 211  | 211  | 209  | 207  | 201  | 192  | 140  | 141  | 165  | 147  | 174  |
| 12.5° | 295  | 297  | 293  | 279  | 215  | 267  | 269  | 266  | 264  | 257  | 251  |
| 15°   | 318  | 325  | 313  | 298  | 347  | 295  | 283  | 280  | 278  | 278  | 294  |
| 17.5° | 439  | 441  | 432  | 404  | 367  | 352  | 348  | 346  | 345  | 345  | 347  |
| 20°   | 524  | 530  | 463  | 483  | 447  | 407  | 393  | 393  | 394  | 386  | 375  |
| 22.5° | 577  | 575  | 544  | 556  | 493  | 455  | 490  | 499  | 509  | 513  | 519  |
| 25°   | 685  | 684  | 607  | 555  | 540  | 511  | 518  | 527  | 534  | 550  | 580  |
| 27.5° | 697  | 696  | 641  | 618  | 536  | 584  | 656  | 671  | 680  | 682  | 680  |
| 30°   | 786  | 784  | 742  | 645  | 612  | 636  | 705  | 720  | 728  | 734  | 734  |
| 32.5° | 878  | 878  | 799  | 678  | 659  | 727  | 829  | 834  | 840  | 841  | 843  |
| 35°   | 946  | 925  | 834  | 761  | 732  | 804  | 932  | 935  | 953  | 1000 | 1014 |
| 37.5° | 982  | 984  | 950  | 862  | 865  | 946  | 1145 | 1149 | 1152 | 1164 | 1181 |
| 40°   | 1040 | 1050 | 1026 | 972  | 996  | 1124 | 1330 | 1343 | 1354 | 1356 | 1389 |
| 42.5° | 1099 | 1107 | 1108 | 1124 | 1145 | 1310 | 1509 | 1522 | 1520 | 1535 | 1585 |
| 45°   | 1198 | 1210 | 1230 | 1249 | 1296 | 1482 | 1687 | 1707 | 1691 | 1729 | 1761 |
| 47.5° | 1325 | 1334 | 1368 | 1418 | 1437 | 1633 | 1873 | 1878 | 1892 | 1932 | 1944 |
| 50°   | 1437 | 1448 | 1491 | 1557 | 1580 | 1765 | 2015 | 2017 | 2040 | 2097 | 2074 |
| 52.5° | 1522 | 1534 | 1571 | 1674 | 1710 | 1912 | 2125 | 2126 | 2166 | 2219 | 2172 |
| 55°   | 1569 | 1582 | 1607 | 1724 | 1794 | 2021 | 2255 | 2261 | 2318 | 2347 | 2311 |
| 57.5° | 1571 | 1583 | 1612 | 1714 | 1830 | 2134 | 2435 | 2465 | 2525 | 2561 | 2561 |
| 60°   | 1553 | 1568 | 1596 | 1684 | 1864 | 2260 | 2712 | 2774 | 2870 | 2905 | 2984 |
| 62.5° | 1506 | 1513 | 1530 | 1631 | 1914 | 2411 | 3111 | 3214 | 3356 | 3378 | 3539 |
| 65°   | 1399 | 1403 | 1424 | 1539 | 1912 | 2549 | 3473 | 3608 | 3767 | 3782 | 3936 |
| 67.5° | 1259 | 1268 | 1284 | 1394 | 1731 | 2496 | 3504 | 3680 | 3804 | 3809 | 3938 |
| 70°   | 1042 | 1038 | 1057 | 1135 | 1395 | 2093 | 3168 | 3333 | 3417 | 3452 | 3540 |
| 72.5° | 683  | 685  | 671  | 719  | 940  | 1474 | 2552 | 2736 | 2774 | 2859 | 2903 |
| 75°   | 384  | 376  | 391  | 431  | 530  | 887  | 1737 | 1900 | 1979 | 2049 | 2087 |
| 77.5° | 228  | 225  | 250  | 306  | 428  | 595  | 1002 | 1083 | 1148 | 1202 | 1271 |
| 80°   | 106  | 113  | 111  | 126  | 233  | 509  | 696  | 728  | 756  | 787  | 829  |
| 82.5° | 52   | 57   | 66   | 69   | 82   | 257  | 621  | 653  | 680  | 711  | 753  |
| 85°   | 34   | 35   | 49   | 50   | 51   | 78   | 304  | 352  | 371  | 423  | 495  |
| 87.5° | 12   | 17   | 36   | 32   | 32   | 38   | 103  | 113  | 118  | 129  | 144  |
| 90°   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 60°  | 61°  | 62°  | 64°  | 65°  | 66°  | 67°  | 68°  | 69°  | 70°  | 71°  |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0°    | 90   | 90   | 90   | 90   | 90   | 90   | 90   | 90   | 90   | 90   | 90   |
| 2.5°  | 113  | 113  | 109  | 105  | 103  | 103  | 100  | 100  | 99   | 98   | 96   |
| 5°    | 147  | 149  | 149  | 149  | 148  | 147  | 146  | 144  | 142  | 138  | 135  |
| 7.5°  | 125  | 123  | 121  | 117  | 118  | 121  | 124  | 128  | 134  | 137  | 138  |
| 10°   | 176  | 181  | 180  | 181  | 180  | 182  | 182  | 184  | 183  | 184  | 186  |
| 12.5° | 241  | 221  | 202  | 198  | 197  | 196  | 198  | 197  | 202  | 205  | 205  |
| 15°   | 303  | 324  | 325  | 336  | 334  | 318  | 301  | 296  | 292  | 292  | 282  |
| 17.5° | 348  | 355  | 356  | 353  | 357  | 356  | 351  | 345  | 338  | 325  | 306  |
| 20°   | 415  | 425  | 431  | 437  | 449  | 440  | 438  | 478  | 483  | 487  | 483  |
| 22.5° | 527  | 526  | 523  | 507  | 499  | 498  | 501  | 509  | 508  | 511  | 514  |
| 25°   | 594  | 593  | 601  | 630  | 638  | 667  | 659  | 659  | 664  | 669  | 661  |
| 27.5° | 675  | 684  | 695  | 694  | 708  | 704  | 703  | 711  | 711  | 701  | 707  |
| 30°   | 739  | 767  | 805  | 817  | 809  | 809  | 820  | 831  | 828  | 827  | 829  |
| 32.5° | 855  | 883  | 859  | 886  | 870  | 896  | 937  | 965  | 975  | 974  | 989  |
| 35°   | 1042 | 1047 | 1032 | 1043 | 1062 | 1067 | 1071 | 1071 | 1059 | 1079 | 1088 |
| 37.5° | 1201 | 1176 | 1198 | 1185 | 1199 | 1215 | 1213 | 1194 | 1188 | 1221 | 1218 |
| 40°   | 1403 | 1363 | 1391 | 1384 | 1392 | 1397 | 1375 | 1362 | 1378 | 1388 | 1386 |
| 42.5° | 1552 | 1573 | 1574 | 1571 | 1578 | 1579 | 1539 | 1545 | 1564 | 1561 | 1551 |
| 45°   | 1713 | 1748 | 1729 | 1758 | 1761 | 1722 | 1713 | 1739 | 1745 | 1735 | 1723 |
| 47.5° | 1909 | 1932 | 1900 | 1944 | 1945 | 1901 | 1921 | 1939 | 1943 | 1923 | 1941 |
| 50°   | 2078 | 2080 | 2073 | 2107 | 2087 | 2065 | 2109 | 2119 | 2110 | 2083 | 2111 |
| 52.5° | 2217 | 2190 | 2218 | 2265 | 2211 | 2214 | 2280 | 2272 | 2244 | 2270 | 2251 |
| 55°   | 2368 | 2344 | 2411 | 2433 | 2383 | 2429 | 2475 | 2464 | 2432 | 2485 | 2448 |
| 57.5° | 2595 | 2601 | 2660 | 2677 | 2656 | 2758 | 2780 | 2777 | 2778 | 2813 | 2797 |
| 60°   | 3004 | 3063 | 3131 | 3183 | 3217 | 3338 | 3340 | 3342 | 3381 | 3398 | 3455 |
| 62.5° | 3528 | 3684 | 3722 | 3785 | 3911 | 4027 | 4002 | 4005 | 4055 | 4015 | 4089 |
| 65°   | 3951 | 4117 | 4237 | 4246 | 4422 | 4457 | 4400 | 4460 | 4450 | 4450 | 4482 |
| 67.5° | 3991 | 4162 | 4270 | 4317 | 4521 | 4512 | 4457 | 4547 | 4494 | 4539 | 4526 |
| 70°   | 3633 | 3761 | 3873 | 3973 | 4157 | 4147 | 4150 | 4274 | 4267 | 4302 | 4266 |
| 72.5° | 3007 | 3120 | 3182 | 3364 | 3412 | 3405 | 3480 | 3490 | 3546 | 3622 | 3575 |
| 75°   | 2252 | 2326 | 2331 | 2452 | 2433 | 2410 | 2421 | 2461 | 2357 | 2291 | 2238 |
| 77.5° | 1375 | 1392 | 1376 | 1361 | 1312 | 1264 | 1290 | 1268 | 1201 | 1158 | 1107 |
| 80°   | 866  | 887  | 895  | 943  | 930  | 971  | 1002 | 1033 | 1042 | 1005 | 969  |
| 82.5° | 802  | 809  | 833  | 882  | 891  | 944  | 951  | 970  | 937  | 916  | 851  |
| 85°   | 516  | 532  | 581  | 550  | 592  | 593  | 571  | 569  | 505  | 472  | 397  |
| 87.5° | 158  | 162  | 181  | 182  | 206  | 210  | 217  | 210  | 188  | 158  | 131  |
| 90°   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |





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**CANDELA DISTRIBUTION (continued):**

|       | 72°  | 73°  | 74°  | 75°  | 76°  | 77°  | 78°  | 79°  | 80°  | 81°  | 82°  |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0°    | 90   | 90   | 90   | 90   | 90   | 90   | 90   | 90   | 90   | 90   | 90   |
| 2.5°  | 95   | 94   | 93   | 93   | 93   | 92   | 92   | 92   | 92   | 91   | 91   |
| 5°    | 129  | 124  | 118  | 110  | 102  | 99   | 99   | 97   | 96   | 95   | 94   |
| 7.5°  | 138  | 137  | 137  | 137  | 135  | 133  | 131  | 122  | 104  | 96   | 95   |
| 10°   | 186  | 192  | 202  | 212  | 214  | 214  | 212  | 208  | 204  | 199  | 183  |
| 12.5° | 204  | 204  | 201  | 198  | 202  | 211  | 220  | 224  | 223  | 221  | 220  |
| 15°   | 279  | 279  | 278  | 276  | 276  | 275  | 276  | 281  | 287  | 293  | 293  |
| 17.5° | 306  | 304  | 305  | 308  | 296  | 293  | 292  | 287  | 286  | 290  | 293  |
| 20°   | 478  | 471  | 451  | 449  | 445  | 443  | 442  | 436  | 433  | 441  | 442  |
| 22.5° | 510  | 519  | 513  | 543  | 494  | 496  | 528  | 546  | 546  | 543  | 538  |
| 25°   | 670  | 664  | 671  | 673  | 663  | 671  | 656  | 648  | 637  | 636  | 638  |
| 27.5° | 709  | 726  | 729  | 757  | 774  | 766  | 797  | 784  | 773  | 764  | 772  |
| 30°   | 842  | 837  | 845  | 848  | 859  | 853  | 842  | 848  | 857  | 871  | 860  |
| 32.5° | 1002 | 1010 | 1017 | 1019 | 1025 | 1017 | 1018 | 1038 | 1051 | 1036 | 1013 |
| 35°   | 1098 | 1098 | 1111 | 1109 | 1098 | 1102 | 1136 | 1144 | 1130 | 1120 | 1136 |
| 37.5° | 1221 | 1219 | 1220 | 1223 | 1216 | 1254 | 1272 | 1252 | 1237 | 1268 | 1255 |
| 40°   | 1372 | 1386 | 1374 | 1376 | 1406 | 1428 | 1409 | 1394 | 1431 | 1408 | 1389 |
| 42.5° | 1560 | 1547 | 1530 | 1565 | 1593 | 1578 | 1556 | 1594 | 1583 | 1551 | 1606 |
| 45°   | 1746 | 1729 | 1732 | 1763 | 1774 | 1743 | 1763 | 1790 | 1740 | 1792 | 1812 |
| 47.5° | 1910 | 1918 | 1953 | 1982 | 1944 | 1953 | 1983 | 1942 | 1980 | 2019 | 2015 |
| 50°   | 2083 | 2118 | 2142 | 2137 | 2111 | 2168 | 2141 | 2126 | 2207 | 2218 | 2230 |
| 52.5° | 2246 | 2299 | 2304 | 2273 | 2313 | 2345 | 2308 | 2412 | 2446 | 2454 | 2488 |
| 55°   | 2477 | 2525 | 2505 | 2498 | 2598 | 2575 | 2650 | 2779 | 2795 | 2827 | 2833 |
| 57.5° | 2861 | 2897 | 2876 | 2957 | 3038 | 3024 | 3248 | 3314 | 3405 | 3423 | 3440 |
| 60°   | 3525 | 3497 | 3497 | 3671 | 3650 | 3794 | 3956 | 3974 | 4072 | 4079 | 4099 |
| 62.5° | 4099 | 4087 | 4181 | 4232 | 4222 | 4484 | 4526 | 4585 | 4574 | 4594 | 4473 |
| 65°   | 4429 | 4395 | 4494 | 4427 | 4618 | 4735 | 4750 | 4778 | 4731 | 4664 | 4588 |
| 67.5° | 4433 | 4439 | 4449 | 4404 | 4622 | 4630 | 4655 | 4614 | 4574 | 4401 | 4323 |
| 70°   | 4187 | 4226 | 4141 | 4222 | 4309 | 4262 | 4246 | 4139 | 4034 | 3853 | 3699 |
| 72.5° | 3504 | 3452 | 3401 | 3462 | 3420 | 3334 | 3231 | 3098 | 2903 | 2766 | 2618 |
| 75°   | 2116 | 2019 | 2070 | 1981 | 1855 | 1820 | 1703 | 1666 | 1510 | 1311 | 1236 |
| 77.5° | 1056 | 955  | 968  | 892  | 796  | 717  | 596  | 488  | 389  | 301  | 246  |
| 80°   | 884  | 835  | 786  | 706  | 625  | 519  | 411  | 291  | 198  | 145  | 124  |
| 82.5° | 761  | 747  | 651  | 574  | 484  | 394  | 278  | 192  | 124  | 96   | 89   |
| 85°   | 352  | 317  | 275  | 263  | 207  | 169  | 126  | 93   | 72   | 64   | 59   |
| 87.5° | 127  | 109  | 101  | 87   | 76   | 69   | 65   | 63   | 63   | 63   | 60   |
| 90°   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 83°  | 84°  | 85°  | 86°  | 87°  | 88°  | 89°  | 90°  | 95°  | 105° | 115° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0°    | 90   | 90   | 90   | 90   | 90   | 90   | 90   | 90   | 90   | 90   | 90   |
| 2.5°  | 91   | 91   | 90   | 90   | 90   | 90   | 90   | 89   | 89   | 89   | 91   |
| 5°    | 94   | 93   | 93   | 92   | 92   | 92   | 91   | 91   | 90   | 93   | 125  |
| 7.5°  | 95   | 96   | 96   | 96   | 96   | 96   | 95   | 95   | 95   | 106  | 123  |
| 10°   | 163  | 157  | 156  | 154  | 152  | 151  | 149  | 146  | 150  | 204  | 142  |
| 12.5° | 214  | 191  | 173  | 170  | 168  | 165  | 165  | 157  | 164  | 195  | 152  |
| 15°   | 291  | 284  | 264  | 245  | 247  | 247  | 245  | 244  | 226  | 228  | 231  |
| 17.5° | 300  | 315  | 326  | 301  | 278  | 263  | 267  | 288  | 259  | 248  | 296  |
| 20°   | 441  | 446  | 448  | 434  | 403  | 403  | 408  | 413  | 390  | 386  | 385  |
| 22.5° | 529  | 535  | 531  | 537  | 529  | 524  | 514  | 503  | 491  | 443  | 474  |
| 25°   | 640  | 655  | 663  | 650  | 631  | 608  | 601  | 602  | 622  | 619  | 656  |
| 27.5° | 782  | 774  | 764  | 773  | 781  | 756  | 747  | 738  | 733  | 809  | 720  |
| 30°   | 833  | 827  | 840  | 827  | 825  | 836  | 846  | 830  | 829  | 890  | 816  |
| 32.5° | 1024 | 1020 | 990  | 1002 | 1015 | 1017 | 1016 | 1033 | 1023 | 1036 | 857  |
| 35°   | 1116 | 1095 | 1124 | 1128 | 1114 | 1132 | 1132 | 1128 | 1155 | 1102 | 891  |
| 37.5° | 1240 | 1255 | 1274 | 1280 | 1295 | 1262 | 1289 | 1294 | 1336 | 1167 | 866  |
| 40°   | 1438 | 1449 | 1461 | 1459 | 1444 | 1480 | 1445 | 1459 | 1506 | 1205 | 838  |
| 42.5° | 1622 | 1632 | 1650 | 1649 | 1655 | 1637 | 1665 | 1655 | 1661 | 1215 | 803  |
| 45°   | 1817 | 1842 | 1825 | 1862 | 1852 | 1845 | 1862 | 1856 | 1795 | 1234 | 744  |
| 47.5° | 2038 | 2032 | 2049 | 2049 | 2056 | 2068 | 2050 | 2055 | 1911 | 1247 | 680  |
| 50°   | 2231 | 2240 | 2257 | 2255 | 2270 | 2256 | 2273 | 2217 | 2007 | 1239 | 598  |
| 52.5° | 2482 | 2518 | 2499 | 2509 | 2493 | 2518 | 2466 | 2440 | 2138 | 1201 | 514  |
| 55°   | 2899 | 2843 | 2879 | 2839 | 2842 | 2835 | 2769 | 2751 | 2329 | 1181 | 418  |
| 57.5° | 3421 | 3415 | 3388 | 3338 | 3326 | 3283 | 3228 | 3164 | 2634 | 1175 | 339  |
| 60°   | 4054 | 4030 | 3946 | 3899 | 3813 | 3726 | 3678 | 3600 | 2959 | 1149 | 280  |
| 62.5° | 4463 | 4361 | 4300 | 4188 | 4108 | 4007 | 3929 | 3784 | 3051 | 1091 | 248  |
| 65°   | 4483 | 4388 | 4284 | 4152 | 4023 | 3935 | 3794 | 3659 | 2913 | 943  | 207  |
| 67.5° | 4194 | 4091 | 3885 | 3787 | 3661 | 3557 | 3387 | 3269 | 2561 | 757  | 164  |
| 70°   | 3613 | 3439 | 3249 | 3117 | 3010 | 2888 | 2728 | 2599 | 2044 | 557  | 127  |
| 72.5° | 2502 | 2402 | 2227 | 2160 | 2055 | 1996 | 1911 | 1860 | 1446 | 383  | 105  |
| 75°   | 1217 | 1142 | 1037 | 1059 | 985  | 1001 | 1012 | 953  | 799  | 217  | 91   |
| 77.5° | 227  | 238  | 212  | 212  | 215  | 205  | 207  | 225  | 224  | 110  | 77   |
| 80°   | 116  | 114  | 110  | 108  | 103  | 100  | 96   | 94   | 91   | 79   | 67   |
| 82.5° | 84   | 79   | 74   | 71   | 68   | 64   | 61   | 62   | 68   | 78   | 72   |
| 85°   | 54   | 52   | 48   | 47   | 46   | 45   | 46   | 48   | 65   | 93   | 71   |
| 87.5° | 58   | 53   | 48   | 46   | 45   | 43   | 42   | 45   | 69   | 101  | 61   |
| 90°   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|
| 0°    | 90   | 90   | 90   | 90   | 90   | 90   | 90   |
| 2.5°  | 93   | 100  | 123  | 141  | 143  | 143  | 142  |
| 5°    | 140  | 97   | 90   | 92   | 88   | 89   | 88   |
| 7.5°  | 89   | 89   | 91   | 126  | 142  | 148  | 144  |
| 10°   | 106  | 141  | 143  | 149  | 150  | 149  | 148  |
| 12.5° | 206  | 203  | 155  | 165  | 215  | 218  | 217  |
| 15°   | 222  | 220  | 268  | 222  | 230  | 232  | 230  |
| 17.5° | 290  | 290  | 289  | 266  | 299  | 299  | 298  |
| 20°   | 343  | 357  | 347  | 333  | 293  | 294  | 294  |
| 22.5° | 486  | 397  | 379  | 363  | 329  | 329  | 328  |
| 25°   | 501  | 446  | 398  | 348  | 319  | 349  | 346  |
| 27.5° | 646  | 466  | 374  | 354  | 317  | 308  | 308  |
| 30°   | 636  | 492  | 418  | 323  | 306  | 293  | 287  |
| 32.5° | 673  | 487  | 369  | 294  | 249  | 244  | 238  |
| 35°   | 652  | 462  | 316  | 234  | 191  | 182  | 182  |
| 37.5° | 630  | 394  | 255  | 174  | 152  | 145  | 146  |
| 40°   | 555  | 317  | 177  | 134  | 134  | 135  | 135  |
| 42.5° | 474  | 220  | 130  | 115  | 121  | 125  | 124  |
| 45°   | 373  | 148  | 105  | 106  | 114  | 117  | 117  |
| 47.5° | 266  | 110  | 96   | 99   | 108  | 112  | 111  |
| 50°   | 181  | 94   | 90   | 95   | 104  | 106  | 106  |
| 52.5° | 131  | 89   | 86   | 91   | 100  | 102  | 102  |
| 55°   | 109  | 87   | 84   | 88   | 96   | 98   | 99   |
| 57.5° | 103  | 87   | 83   | 87   | 93   | 95   | 95   |
| 60°   | 103  | 88   | 85   | 87   | 90   | 92   | 93   |
| 62.5° | 105  | 93   | 89   | 89   | 89   | 90   | 90   |
| 65°   | 109  | 102  | 96   | 93   | 89   | 86   | 87   |
| 67.5° | 114  | 111  | 106  | 98   | 87   | 81   | 81   |
| 70°   | 118  | 120  | 118  | 102  | 85   | 75   | 74   |
| 72.5° | 117  | 127  | 120  | 103  | 83   | 70   | 69   |
| 75°   | 110  | 118  | 104  | 93   | 78   | 66   | 64   |
| 77.5° | 96   | 87   | 72   | 72   | 65   | 59   | 57   |
| 80°   | 77   | 58   | 48   | 51   | 49   | 37   | 32   |
| 82.5° | 61   | 38   | 36   | 38   | 37   | 27   | 23   |
| 85°   | 50   | 26   | 26   | 29   | 26   | 20   | 15   |
| 87.5° | 39   | 15   | 17   | 16   | 16   | 12   | 4    |
| 90°   | 0    | 0    | 0    | 0    | 0    | 0    | 0    |

(END OF REPORT)