

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: P560025

Luminaire Tested: **SDL-PA1-20-740-U-SL3-HSS-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560025  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-20-740-U-SL3-HSS-A  
Description: Springdale  
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2163.9 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 1.08')  
IES Classification: Type IV - Medium  
BUG Rating: B0 - U2 - G1

Input Watts (W): 21.1  
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: 24 FT

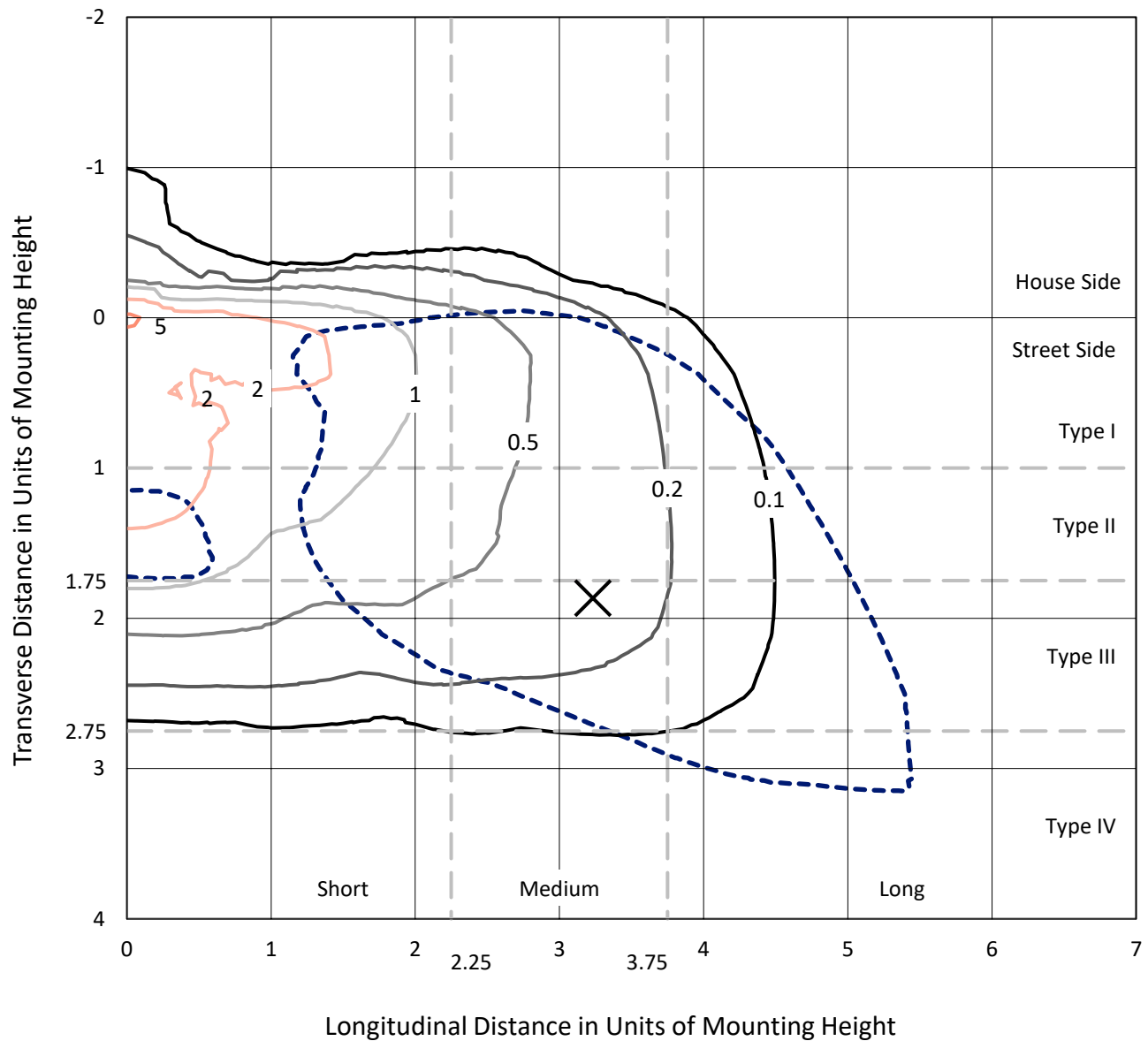


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## Iso-Footcandle Lines of Horizontal Illumination

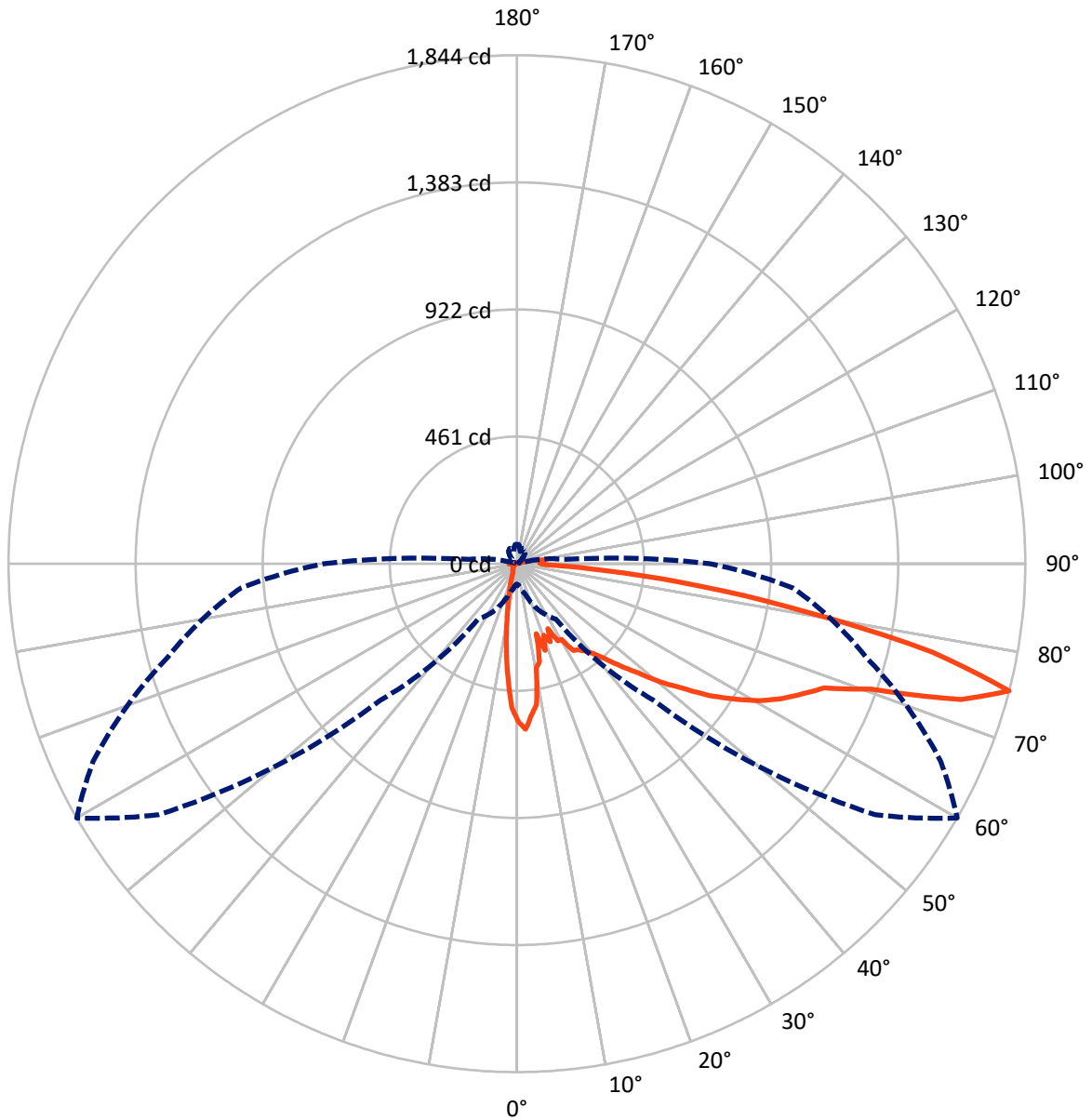
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc  
 Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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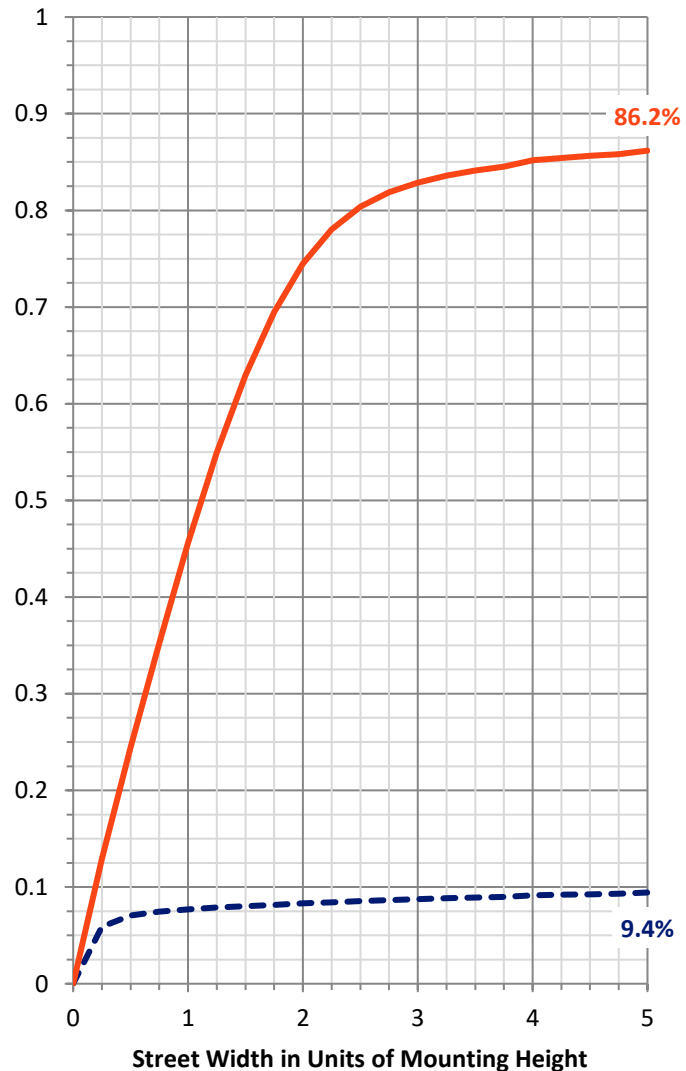
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 223.6    | 29.2   | 252.8  |
|                    | % Fixture | 10.3     | 1.3    | 11.7   |
| <b>Street Side</b> | Lumens    | 1880.6   | 30.5   | 1911.1 |
|                    | % Fixture | 86.9     | 1.4    | 88.3   |
| <b>Total</b>       | Lumens    | 2104.2   | 59.6   | 2163.9 |
|                    | % Fixture | 97.2     | 2.8    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 39.7   | 1.8       |
| 10°-20°   | 65.1   | 3.0       |
| 20°-30°   | 92.0   | 4.3       |
| 30°-40°   | 165.4  | 7.6       |
| 40°-50°   | 278.7  | 12.9      |
| 50°-60°   | 433.5  | 20.0      |
| 60°-70°   | 511.6  | 23.6      |
| 70°-80°   | 415.0  | 19.2      |
| 80°-90°   | 103.0  | 4.8       |
| 90°-100°  | 41.6   | 1.9       |
| 100°-110° | 9.6    | 0.4       |
| 110°-120° | 3.0    | 0.1       |
| 120°-130° | 2.7    | 0.1       |
| 130°-140° | 1.4    | 0.1       |
| 140°-150° | 0.7    | 0.0       |
| 150°-160° | 0.6    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 2104.2 | 97.2      |
| 0°-180°   | 2163.9 | 100.0     |



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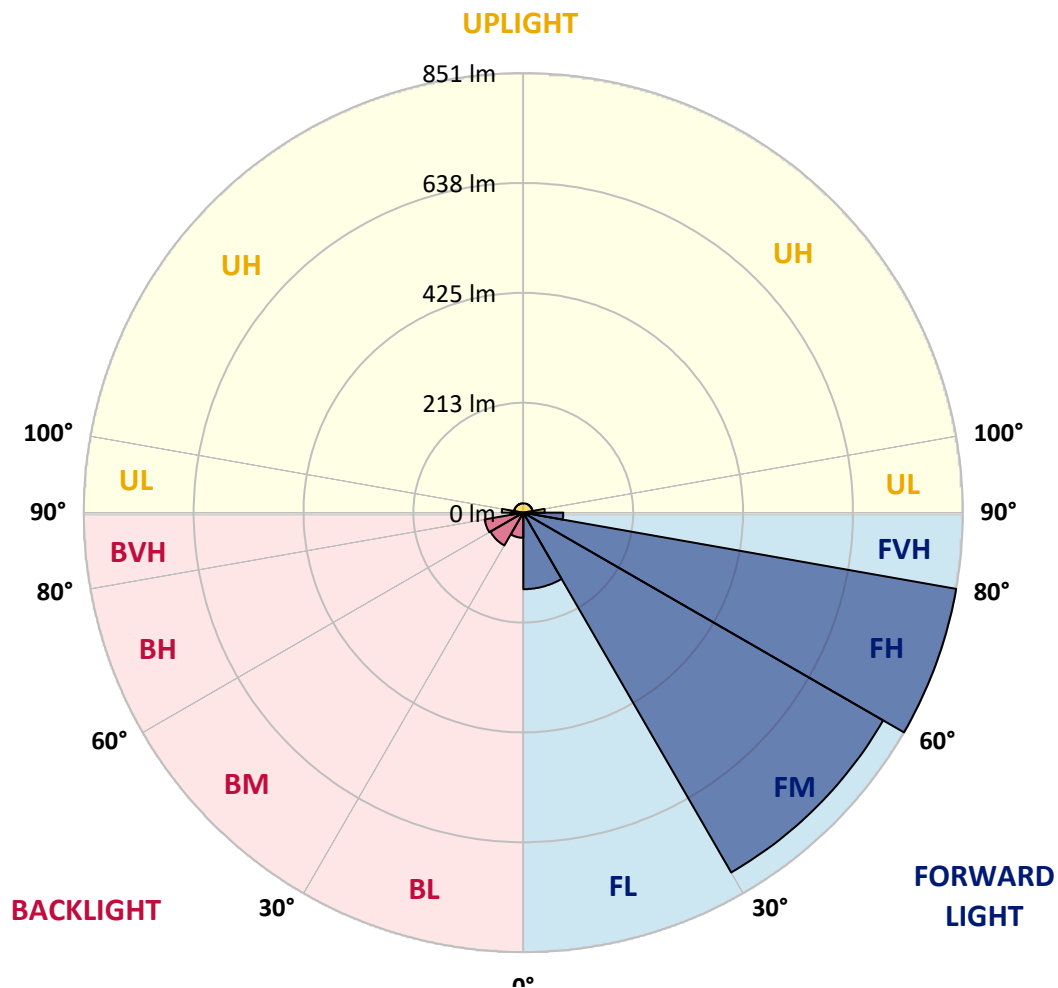
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|------|-------------|--------|-----------|-------------------------|-------|---------|
|      |             |        |           | B                       | U     | G       |
| FL   | (0°-30°)    | 148.2  | 6.8       |                         |       |         |
| FM   | (30°-60°)   | 804.2  | 37.2      |                         |       |         |
| FH   | (60°-80°)   | 850.7  | 39.3      |                         |       | G1/1800 |
| FVH  | (80°-90°)   | 77.5   | 3.6       |                         |       | G1/100  |
| BL   | (0°-30°)    | 48.6   | 2.2       | B0/110                  |       |         |
| BM   | (30°-60°)   | 73.5   | 3.4       | B0/220                  |       |         |
| BH   | (60°-80°)   | 75.9   | 3.5       | B0/110                  |       | G0/110  |
| BVH  | (80°-90°)   | 25.6   | 1.2       |                         |       | G1/100  |
| UL   | (90°-100°)  | 41.6   | 1.9       |                         | U2/50 |         |
| UH   | (100°-180°) | 18.0   | 0.8       |                         | U2/50 |         |

**BUG Rating: B0-U2-G1**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°   | 5°   | 15° | 25° | 35° | 45°  | 55°  | 60°  | 65°  | 75°  | 85°  |
|--------|------|------|-----|-----|-----|------|------|------|------|------|------|
| 0°     | 572  | 572  | 572 | 572 | 572 | 572  | 572  | 572  | 572  | 572  | 572  |
| 2.5°   | 538  | 579  | 567 | 605 | 610 | 608  | 606  | 601  | 596  | 587  | 573  |
| 5°     | 516  | 520  | 517 | 524 | 525 | 528  | 523  | 551  | 598  | 586  | 564  |
| 7.5°   | 424  | 466  | 471 | 484 | 496 | 508  | 515  | 514  | 454  | 510  | 485  |
| 10°    | 433  | 439  | 438 | 447 | 437 | 420  | 383  | 384  | 384  | 396  | 409  |
| 12.5°  | 343  | 361  | 405 | 419 | 389 | 354  | 357  | 364  | 369  | 313  | 345  |
| 15°    | 389  | 390  | 391 | 391 | 293 | 335  | 292  | 264  | 302  | 370  | 376  |
| 17.5°  | 305  | 302  | 352 | 348 | 323 | 249  | 324  | 331  | 318  | 311  | 313  |
| 20°    | 358  | 358  | 355 | 283 | 298 | 321  | 278  | 277  | 293  | 364  | 368  |
| 22.5°  | 290  | 287  | 303 | 315 | 283 | 306  | 274  | 308  | 341  | 322  | 263  |
| 25°    | 363  | 363  | 351 | 273 | 293 | 263  | 304  | 261  | 290  | 394  | 375  |
| 27.5°  | 336  | 327  | 299 | 310 | 263 | 306  | 280  | 317  | 335  | 408  | 437  |
| 30°    | 434  | 431  | 399 | 312 | 299 | 281  | 301  | 319  | 386  | 529  | 505  |
| 32.5°  | 579  | 563  | 454 | 386 | 314 | 333  | 321  | 375  | 424  | 541  | 512  |
| 35°    | 618  | 606  | 554 | 469 | 352 | 352  | 345  | 383  | 435  | 567  | 527  |
| 37.5°  | 631  | 630  | 612 | 513 | 404 | 405  | 365  | 402  | 457  | 602  | 549  |
| 40°    | 639  | 641  | 659 | 559 | 459 | 457  | 402  | 429  | 491  | 640  | 589  |
| 42.5°  | 673  | 684  | 706 | 610 | 511 | 512  | 447  | 472  | 536  | 703  | 644  |
| 45°    | 749  | 752  | 765 | 680 | 560 | 567  | 504  | 530  | 591  | 772  | 706  |
| 47.5°  | 864  | 864  | 842 | 735 | 618 | 628  | 564  | 591  | 656  | 873  | 778  |
| 50°    | 966  | 958  | 910 | 800 | 665 | 687  | 643  | 674  | 711  | 950  | 868  |
| 52.5°  | 1030 | 1027 | 968 | 844 | 715 | 752  | 708  | 748  | 775  | 1030 | 949  |
| 55°    | 1021 | 1021 | 983 | 867 | 761 | 811  | 792  | 842  | 852  | 1106 | 1008 |
| 57.5°  | 987  | 992  | 974 | 876 | 770 | 867  | 878  | 925  | 942  | 1150 | 1045 |
| 60°    | 918  | 928  | 947 | 888 | 805 | 930  | 966  | 1008 | 1040 | 1183 | 1076 |
| 62.5°  | 789  | 802  | 869 | 887 | 832 | 995  | 1041 | 1078 | 1108 | 1201 | 1098 |
| 65°    | 598  | 622  | 719 | 823 | 830 | 1071 | 1102 | 1138 | 1167 | 1219 | 1155 |
| 67.5°  | 382  | 383  | 488 | 680 | 774 | 1178 | 1184 | 1202 | 1221 | 1269 | 1236 |
| 70°    | 197  | 207  | 257 | 434 | 634 | 1200 | 1389 | 1363 | 1334 | 1378 | 1341 |
| 72.5°  | 131  | 142  | 169 | 234 | 398 | 1082 | 1612 | 1684 | 1556 | 1459 | 1249 |
| 75°    | 74   | 80   | 113 | 185 | 246 | 699  | 1587 | 1844 | 1696 | 1311 | 1004 |
| 77.5°  | 33   | 35   | 51  | 145 | 211 | 341  | 1249 | 1541 | 1482 | 1093 | 724  |
| 80°    | 18   | 18   | 24  | 67  | 179 | 257  | 829  | 1073 | 1008 | 659  | 329  |
| 82.5°  | 10   | 11   | 14  | 32  | 109 | 235  | 524  | 673  | 532  | 181  | 133  |
| 85°    | 4    | 4    | 6   | 17  | 40  | 199  | 287  | 320  | 215  | 92   | 103  |
| 87.5°  | 2    | 2    | 2   | 6   | 13  | 51   | 94   | 101  | 79   | 73   | 89   |
| 90°    | 3    | 3    | 2   | 2   | 9   | 54   | 79   | 83   | 65   | 73   | 90   |
| 92.5°  | 4    | 3    | 2   | 2   | 7   | 54   | 90   | 89   | 65   | 73   | 93   |
| 95°    | 5    | 4    | 2   | 2   | 7   | 48   | 108  | 97   | 70   | 74   | 98   |
| 97.5°  | 5    | 5    | 2   | 2   | 7   | 37   | 114  | 98   | 61   | 48   | 67   |
| 100°   | 6    | 6    | 2   | 2   | 8   | 22   | 79   | 73   | 43   | 16   | 19   |
| 102.5° | 7    | 7    | 2   | 2   | 5   | 11   | 38   | 37   | 24   | 4    | 7    |
| 105°   | 7    | 8    | 2   | 2   | 2   | 5    | 14   | 17   | 12   | 4    | 7    |
| 107.5° | 8    | 9    | 2   | 2   | 2   | 3    | 6    | 6    | 4    | 4    | 7    |



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**CANDELA DISTRIBUTION (continued):**

|        | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 65° | 75° | 85° |
|--------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 6  | 6  | 1   | 2   | 2   | 2   | 1   | 2   | 2   | 3   | 6   |
| 115°   | 3  | 2  | 1   | 2   | 1   | 2   | 1   | 2   | 3   | 3   | 7   |
| 117.5° | 1  | 1  | 1   | 1   | 1   | 2   | 1   | 2   | 2   | 5   | 9   |
| 120°   | 1  | 1  | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 7   | 11  |
| 122.5° | 1  | 1  | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 7   | 13  |
| 125°   | 1  | 1  | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 5   | 12  |
| 127.5° | 1  | 1  | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 5   | 10  |
| 130°   | 1  | 1  | 1   | 1   | 1   | 1   | 1   | 2   | 2   | 4   | 9   |
| 132.5° | 1  | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 2   | 4   | 7   |
| 135°   | 1  | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 2   | 5   |
| 137.5° | 1  | 1  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 2   |
| 140°   | 1  | 0  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 142.5° | 1  | 0  | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 145°   | 1  | 1  | 1   | 1   | 2   | 1   | 1   | 1   | 1   | 1   | 1   |
| 147.5° | 1  | 1  | 1   | 2   | 2   | 1   | 1   | 1   | 1   | 1   | 1   |
| 150°   | 4  | 4  | 4   | 3   | 2   | 1   | 3   | 2   | 1   | 1   | 1   |
| 152.5° | 3  | 3  | 5   | 2   | 1   | 1   | 1   | 3   | 3   | 1   | 1   |
| 155°   | 3  | 3  | 2   | 1   | 1   | 1   | 1   | 1   | 1   | 3   | 4   |
| 157.5° | 1  | 1  | 1   | 0   | 1   | 1   | 1   | 1   | 1   | 2   | 1   |
| 160°   | 0  | 0  | 0   | 0   | 1   | 1   | 1   | 1   | 1   | 1   | 1   |
| 162.5° | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 165°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 167.5° | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 170°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 172.5° | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 175°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 177.5° | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 180°   | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |

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**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|-----|------|------|------|------|------|------|------|------|------|
| 0°     | 572  | 572 | 572  | 572  | 572  | 572  | 572  | 572  | 572  | 572  | 572  |
| 2.5°   | 568  | 562 | 546  | 531  | 513  | 502  | 464  | 421  | 412  | 410  | 403  |
| 5°     | 554  | 541 | 510  | 444  | 378  | 348  | 334  | 323  | 308  | 305  | 301  |
| 7.5°   | 470  | 448 | 400  | 319  | 309  | 281  | 258  | 239  | 198  | 187  | 181  |
| 10°    | 391  | 372 | 273  | 232  | 211  | 190  | 165  | 146  | 129  | 121  | 118  |
| 12.5°  | 316  | 297 | 204  | 184  | 131  | 108  | 94   | 78   | 65   | 58   | 58   |
| 15°    | 350  | 319 | 211  | 131  | 86   | 64   | 47   | 42   | 49   | 50   | 50   |
| 17.5°  | 286  | 255 | 166  | 102  | 63   | 35   | 38   | 43   | 47   | 41   | 42   |
| 20°    | 329  | 286 | 167  | 77   | 40   | 34   | 35   | 32   | 43   | 44   | 44   |
| 22.5°  | 249  | 225 | 126  | 61   | 31   | 32   | 30   | 36   | 40   | 35   | 34   |
| 25°    | 322  | 265 | 128  | 39   | 31   | 26   | 31   | 28   | 37   | 38   | 38   |
| 27.5°  | 369  | 297 | 112  | 34   | 26   | 28   | 25   | 29   | 28   | 28   | 28   |
| 30°    | 419  | 324 | 109  | 33   | 25   | 23   | 24   | 23   | 27   | 28   | 28   |
| 32.5°  | 419  | 310 | 83   | 33   | 24   | 22   | 19   | 21   | 22   | 24   | 25   |
| 35°    | 422  | 298 | 61   | 30   | 22   | 19   | 17   | 17   | 19   | 20   | 20   |
| 37.5°  | 431  | 290 | 47   | 28   | 20   | 17   | 14   | 15   | 26   | 29   | 29   |
| 40°    | 456  | 290 | 40   | 26   | 18   | 15   | 12   | 19   | 22   | 26   | 26   |
| 42.5°  | 495  | 294 | 38   | 25   | 16   | 13   | 10   | 15   | 27   | 31   | 32   |
| 45°    | 536  | 302 | 36   | 24   | 15   | 11   | 12   | 18   | 21   | 28   | 28   |
| 47.5°  | 593  | 319 | 35   | 23   | 14   | 9    | 11   | 18   | 23   | 30   | 30   |
| 50°    | 655  | 337 | 33   | 22   | 12   | 8    | 17   | 15   | 19   | 31   | 31   |
| 52.5°  | 719  | 358 | 32   | 21   | 11   | 11   | 19   | 18   | 23   | 30   | 31   |
| 55°    | 775  | 375 | 30   | 21   | 10   | 10   | 20   | 18   | 21   | 28   | 29   |
| 57.5°  | 802  | 378 | 29   | 20   | 9    | 10   | 19   | 22   | 19   | 23   | 25   |
| 60°    | 836  | 386 | 26   | 18   | 8    | 13   | 22   | 29   | 26   | 30   | 32   |
| 62.5°  | 868  | 392 | 23   | 16   | 7    | 14   | 29   | 35   | 28   | 35   | 39   |
| 65°    | 927  | 405 | 19   | 13   | 6    | 16   | 33   | 42   | 31   | 41   | 41   |
| 67.5°  | 1009 | 426 | 15   | 11   | 6    | 18   | 34   | 48   | 37   | 45   | 44   |
| 70°    | 1041 | 392 | 13   | 10   | 6    | 21   | 37   | 52   | 39   | 50   | 50   |
| 72.5°  | 908  | 283 | 11   | 10   | 10   | 24   | 46   | 57   | 43   | 63   | 62   |
| 75°    | 701  | 178 | 11   | 10   | 12   | 30   | 52   | 61   | 46   | 70   | 69   |
| 77.5°  | 467  | 84  | 11   | 11   | 14   | 33   | 56   | 65   | 51   | 78   | 77   |
| 80°    | 183  | 46  | 12   | 12   | 17   | 35   | 60   | 67   | 53   | 84   | 83   |
| 82.5°  | 88   | 32  | 12   | 12   | 23   | 39   | 64   | 70   | 55   | 85   | 84   |
| 85°    | 75   | 30  | 11   | 13   | 28   | 49   | 68   | 69   | 56   | 81   | 81   |
| 87.5°  | 67   | 29  | 11   | 13   | 38   | 57   | 71   | 68   | 60   | 79   | 79   |
| 90°    | 69   | 31  | 12   | 15   | 43   | 58   | 72   | 68   | 58   | 73   | 73   |
| 92.5°  | 74   | 33  | 13   | 16   | 43   | 54   | 67   | 61   | 54   | 62   | 61   |
| 95°    | 78   | 35  | 14   | 18   | 38   | 42   | 56   | 49   | 45   | 48   | 48   |
| 97.5°  | 60   | 27  | 16   | 20   | 29   | 25   | 35   | 32   | 24   | 20   | 20   |
| 100°   | 16   | 9   | 17   | 20   | 20   | 17   | 26   | 24   | 16   | 7    | 7    |
| 102.5° | 6    | 6   | 16   | 19   | 16   | 13   | 19   | 18   | 13   | 2    | 2    |
| 105°   | 6    | 5   | 10   | 15   | 10   | 7    | 10   | 12   | 8    | 2    | 2    |
| 107.5° | 6    | 5   | 6    | 9    | 4    | 3    | 4    | 4    | 4    | 1    | 2    |



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**CANDELA DISTRIBUTION (continued):**

|        | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|-----|------|------|------|------|------|------|------|------|------|
| 112.5° | 6   | 5   | 3    | 4    | 3    | 3    | 2    | 2    | 3    | 6    | 6    |
| 115°   | 6   | 5   | 3    | 3    | 2    | 3    | 2    | 1    | 3    | 7    | 8    |
| 117.5° | 8   | 5   | 2    | 2    | 2    | 2    | 2    | 1    | 3    | 9    | 10   |
| 120°   | 10  | 6   | 2    | 2    | 2    | 1    | 2    | 1    | 4    | 9    | 10   |
| 122.5° | 11  | 7   | 2    | 2    | 2    | 1    | 1    | 2    | 4    | 9    | 9    |
| 125°   | 11  | 7   | 2    | 2    | 1    | 1    | 1    | 1    | 4    | 9    | 10   |
| 127.5° | 9   | 6   | 2    | 2    | 1    | 1    | 1    | 1    | 4    | 8    | 9    |
| 130°   | 8   | 6   | 2    | 2    | 1    | 1    | 1    | 1    | 4    | 7    | 8    |
| 132.5° | 6   | 5   | 2    | 1    | 1    | 1    | 1    | 1    | 4    | 6    | 7    |
| 135°   | 5   | 3   | 2    | 1    | 1    | 1    | 1    | 1    | 3    | 6    | 6    |
| 137.5° | 2   | 2   | 1    | 1    | 1    | 1    | 1    | 1    | 2    | 3    | 3    |
| 140°   | 2   | 2   | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 2    | 2    |
| 142.5° | 1   | 2   | 1    | 1    | 1    | 1    | 0    | 1    | 1    | 1    | 1    |
| 145°   | 1   | 2   | 1    | 1    | 1    | 1    | 0    | 1    | 1    | 1    | 1    |
| 147.5° | 1   | 2   | 1    | 1    | 1    | 1    | 0    | 1    | 1    | 1    | 1    |
| 150°   | 1   | 2   | 1    | 1    | 1    | 1    | 0    | 1    | 1    | 1    | 2    |
| 152.5° | 1   | 2   | 1    | 1    | 1    | 0    | 0    | 1    | 1    | 1    | 1    |
| 155°   | 4   | 3   | 2    | 1    | 1    | 0    | 0    | 0    | 1    | 1    | 1    |
| 157.5° | 1   | 1   | 1    | 1    | 1    | 0    | 0    | 0    | 1    | 1    | 1    |
| 160°   | 1   | 1   | 1    | 1    | 1    | 0    | 0    | 0    | 1    | 1    | 1    |
| 162.5° | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 165°   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 167.5° | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 170°   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 172.5° | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 175°   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 177.5° | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 180°   | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |

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|------|---|---|---|---|---|---|---|---|---|---|---|
| 110° | 8 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 7 |
|------|---|---|---|---|---|---|---|---|---|---|---|





110° |      6      5      3      4      3      3      3      2      2      4      4



(END OF REPORT)