

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: P149752

Luminaire Tested: **AVS-E02-LED-E-U-SL2-HSS-7060**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P149752  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: AVS-E02-LED-E-U-SL2-HSS-7060  
Description: VISION SITE SMALL LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (42) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 3762.9 lumens  
Efficiency: N/A  
Efficacy: 72.2 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

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

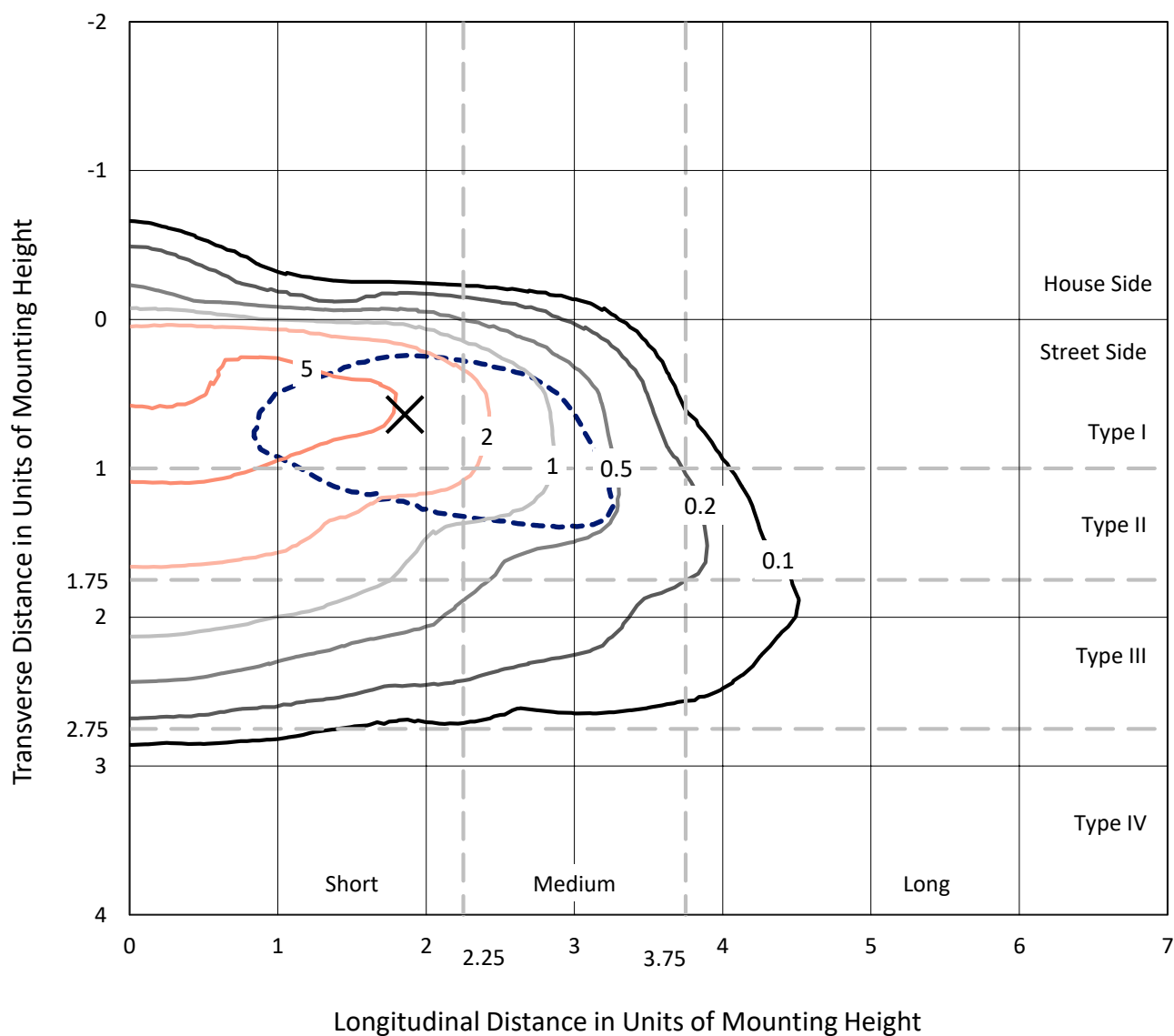


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

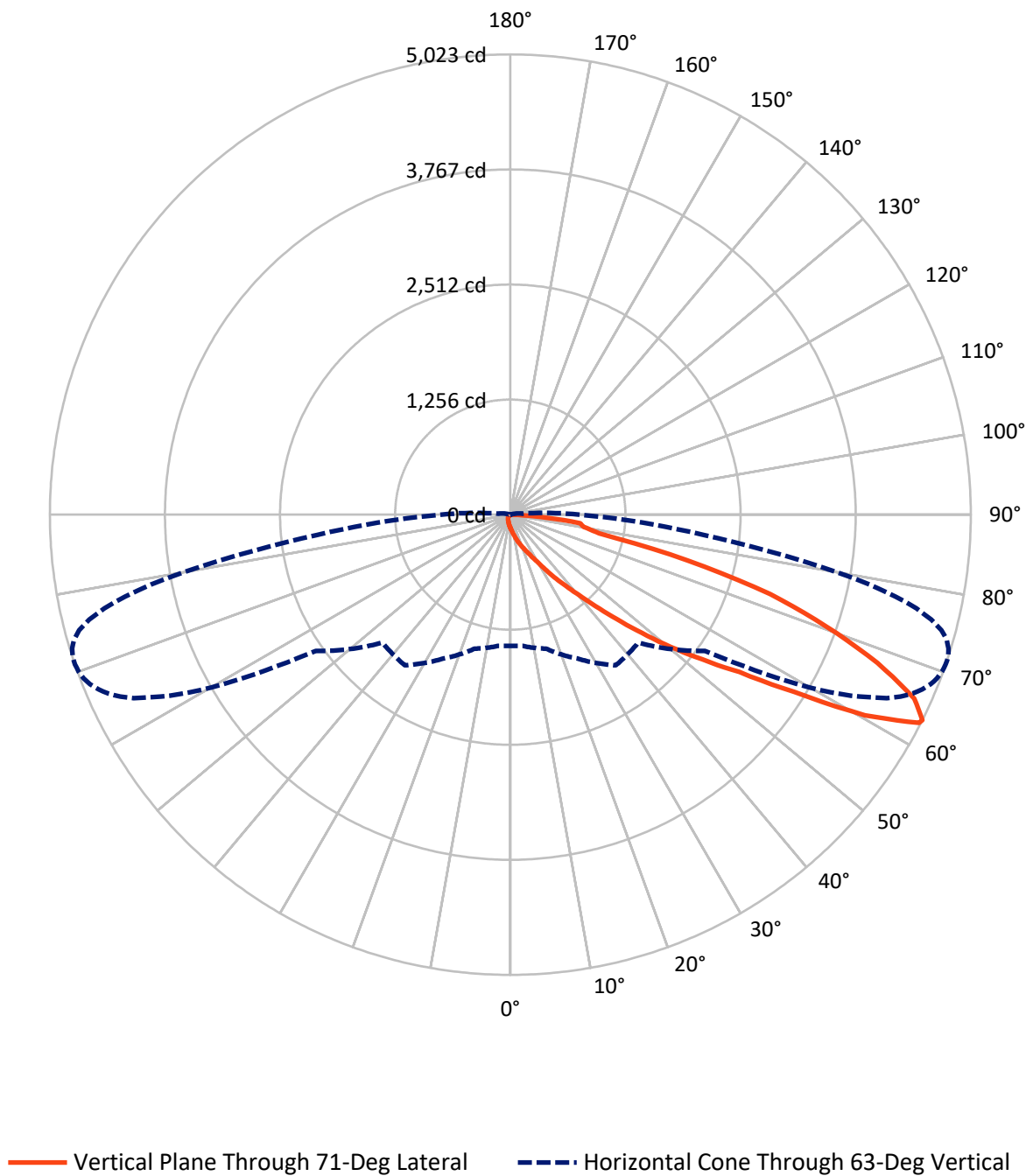


Based on 10 foot mounting height. Maximum calculated value = 7.9 fc  
Type II - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 79.9     | 0.0    | 79.9   |
|                    | % Fixture | 2.1      | 0.0    | 2.1    |
| <b>Street Side</b> | Lumens    | 3683.0   | 0.0    | 3683.0 |
|                    | % Fixture | 97.9     | 0.0    | 97.9   |
| <b>Total</b>       | Lumens    | 3762.9   | 0.0    | 3762.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 16.0   | 0.4       |
| 10°-20°   | 61.9   | 1.6       |
| 20°-30°   | 125.7  | 3.3       |
| 30°-40°   | 307.0  | 8.2       |
| 40°-50°   | 686.7  | 18.2      |
| 50°-60°   | 965.5  | 25.7      |
| 60°-70°   | 1135.4 | 30.2      |
| 70°-80°   | 410.0  | 10.9      |
| 80°-90°   | 54.8   | 1.5       |
| 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°    | 3762.9 | 100.0     |
| 0°-180°   | 3762.9 | 100.0     |

**Coefficient of Utilization**



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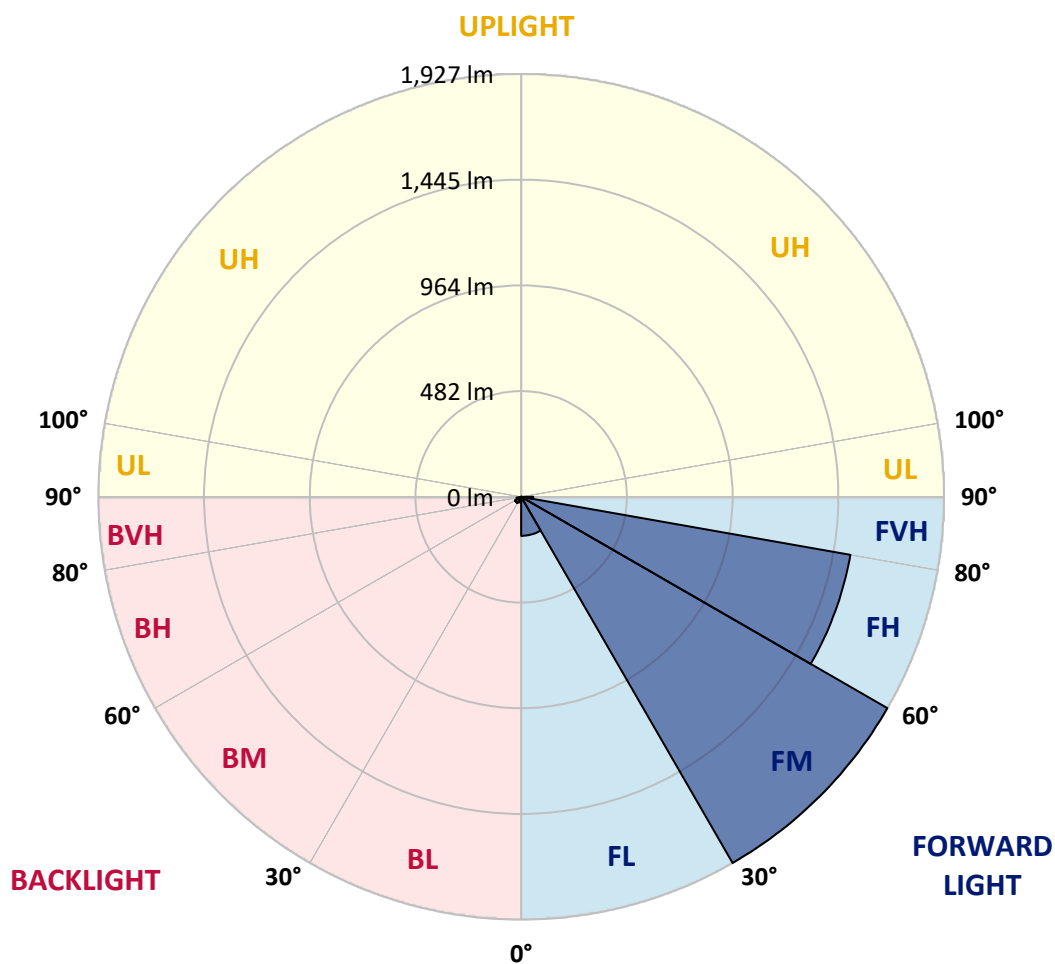
CATALOG NUMBER: AVS-E02-LED-E-U-SL2-HSS-7060

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 177.8  | 4.7       |                         |      |         |
| FM   | (30°-60°)   | 1927.0 | 51.2      |                         |      |         |
| FH   | (60°-80°)   | 1523.4 | 40.5      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 54.7   | 1.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 25.7   | 0.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 32.2   | 0.9       | B0/220                  |      |         |
| BH   | (60°-80°)   | 21.9   | 0.6       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.1    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 56°    | 57°    | 58°    | 59°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  |
| 2.5°  | 188.8  | 190.9  | 189.5  | 186.1  | 182.0  | 176.5  | 171.7  | 171.7  | 171.0  | 169.0  | 169.6  |
| 5°    | 247.7  | 248.3  | 245.6  | 237.4  | 229.8  | 218.2  | 205.2  | 203.8  | 202.5  | 200.4  | 199.8  |
| 7.5°  | 305.1  | 307.9  | 305.1  | 296.2  | 281.1  | 263.3  | 242.8  | 240.8  | 236.7  | 236.7  | 234.0  |
| 10°   | 363.9  | 363.9  | 361.1  | 350.9  | 337.2  | 311.9  | 285.9  | 282.5  | 277.7  | 276.4  | 272.2  |
| 12.5° | 405.7  | 405.7  | 404.2  | 398.9  | 387.9  | 365.3  | 333.8  | 330.4  | 324.2  | 322.2  | 317.4  |
| 15°   | 422.1  | 422.1  | 422.8  | 427.6  | 428.2  | 417.9  | 385.2  | 382.4  | 376.3  | 370.8  | 368.7  |
| 17.5° | 432.3  | 431.6  | 431.6  | 438.4  | 450.8  | 457.6  | 436.5  | 433.7  | 426.8  | 424.1  | 417.3  |
| 20°   | 454.9  | 453.6  | 449.4  | 449.4  | 461.0  | 485.0  | 485.0  | 484.4  | 476.8  | 474.7  | 471.3  |
| 22.5° | 488.4  | 487.0  | 474.7  | 464.5  | 469.9  | 500.1  | 528.1  | 526.7  | 524.0  | 521.2  | 519.2  |
| 25°   | 543.1  | 538.3  | 517.2  | 487.0  | 482.3  | 514.4  | 560.9  | 564.4  | 566.4  | 566.4  | 567.8  |
| 27.5° | 625.9  | 619.8  | 582.2  | 526.0  | 504.9  | 537.7  | 597.2  | 604.0  | 610.2  | 611.6  | 617.7  |
| 30°   | 740.8  | 729.9  | 675.9  | 593.8  | 545.2  | 571.9  | 650.6  | 658.0  | 666.9  | 669.7  | 679.3  |
| 32.5° | 929.6  | 923.5  | 871.5  | 748.4  | 644.4  | 639.0  | 725.1  | 734.7  | 746.3  | 751.1  | 762.7  |
| 35°   | 1217.0 | 1218.3 | 1176.0 | 1065.1 | 921.5  | 846.2  | 858.5  | 866.7  | 870.8  | 885.2  | 891.3  |
| 37.5° | 1411.9 | 1415.3 | 1424.9 | 1381.1 | 1278.5 | 1201.9 | 1105.5 | 1114.3 | 1093.2 | 1095.2 | 1095.9 |
| 40°   | 1518.7 | 1529.5 | 1585.7 | 1628.1 | 1619.9 | 1575.4 | 1498.1 | 1502.9 | 1463.2 | 1454.3 | 1411.2 |
| 42.5° | 1589.7 | 1604.1 | 1693.8 | 1825.1 | 1892.1 | 1932.5 | 1914.7 | 1912.6 | 1881.9 | 1870.3 | 1834.0 |
| 45°   | 1634.2 | 1647.3 | 1760.1 | 1953.7 | 2108.3 | 2226.0 | 2274.5 | 2280.0 | 2254.0 | 2242.4 | 2212.3 |
| 47.5° | 1632.2 | 1647.3 | 1768.3 | 2001.6 | 2229.4 | 2417.5 | 2554.3 | 2561.1 | 2576.9 | 2566.6 | 2568.7 |
| 50°   | 1541.9 | 1556.3 | 1678.0 | 1920.2 | 2193.8 | 2505.1 | 2755.4 | 2777.3 | 2802.6 | 2819.7 | 2828.0 |
| 52.5° | 1432.4 | 1442.7 | 1550.8 | 1780.6 | 2042.0 | 2468.8 | 2874.5 | 2912.1 | 2949.7 | 2981.9 | 3004.5 |
| 55°   | 1392.1 | 1403.7 | 1488.5 | 1679.4 | 1920.2 | 2317.0 | 2929.8 | 2985.3 | 3038.7 | 3091.3 | 3134.4 |
| 57.5° | 1413.3 | 1424.2 | 1485.1 | 1631.5 | 1847.7 | 2156.9 | 2945.6 | 3031.8 | 3119.4 | 3204.9 | 3289.7 |
| 60°   | 1491.3 | 1502.9 | 1554.9 | 1676.0 | 1828.5 | 2064.6 | 2884.0 | 3027.0 | 3172.7 | 3321.9 | 3462.1 |
| 62.5° | 1460.5 | 1465.3 | 1541.9 | 1754.0 | 1965.3 | 1985.9 | 2660.3 | 2860.1 | 3082.4 | 3312.2 | 3538.7 |
| 63°   | 1431.1 | 1436.6 | 1514.5 | 1732.7 | 2007.0 | 1974.2 | 2591.3 | 2802.0 | 3036.6 | 3284.2 | 3530.5 |
| 65°   | 1297.7 | 1298.3 | 1357.9 | 1530.3 | 1960.5 | 1994.7 | 2283.4 | 2484.6 | 2754.1 | 3051.0 | 3362.2 |
| 67.5° | 968.6  | 963.8  | 1021.3 | 1152.6 | 1539.2 | 1995.4 | 1959.9 | 2072.7 | 2260.2 | 2523.5 | 2802.6 |
| 70°   | 343.4  | 335.9  | 428.9  | 610.9  | 959.1  | 1632.2 | 1684.1 | 1691.7 | 1743.7 | 1886.0 | 2061.1 |
| 72.5° | 111.5  | 113.6  | 136.8  | 223.7  | 441.9  | 1098.7 | 1524.8 | 1501.6 | 1487.9 | 1487.2 | 1510.5 |
| 75°   | 44.5   | 45.2   | 54.7   | 99.2   | 198.3  | 529.4  | 1335.3 | 1348.3 | 1353.1 | 1359.9 | 1367.5 |
| 77.5° | 21.2   | 23.2   | 30.8   | 55.4   | 98.5   | 262.0  | 955.6  | 1065.8 | 1128.7 | 1177.3 | 1206.7 |
| 80°   | 7.6    | 8.9    | 17.1   | 34.2   | 45.8   | 120.4  | 503.5  | 607.5  | 699.8  | 818.9  | 921.5  |
| 82.5° | 0.0    | 0.0    | 3.4    | 23.9   | 25.3   | 48.6   | 206.6  | 242.2  | 277.1  | 359.2  | 461.0  |
| 85°   | 0.0    | 0.0    | 0.0    | 6.8    | 7.6    | 8.2    | 69.7   | 84.1   | 94.4   | 110.2  | 127.3  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.7    | 2.1    | 4.1    | 10.3   | 15.8   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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°    | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  |
| 2.5°  | 168.3  | 167.6  | 167.6  | 166.2  | 165.6  | 164.1  | 163.5  | 161.5  | 160.7  | 160.7  | 160.7  |
| 5°    | 199.1  | 196.4  | 194.9  | 191.5  | 189.5  | 188.8  | 185.4  | 184.0  | 182.0  | 182.7  | 179.3  |
| 7.5°  | 233.3  | 228.5  | 226.4  | 221.7  | 220.3  | 215.4  | 214.1  | 210.7  | 208.6  | 204.6  | 203.2  |
| 10°   | 270.9  | 264.8  | 261.3  | 253.8  | 251.7  | 248.3  | 244.2  | 240.1  | 236.7  | 232.5  | 230.6  |
| 12.5° | 314.0  | 308.5  | 305.8  | 295.5  | 290.8  | 285.9  | 280.5  | 275.0  | 269.5  | 266.1  | 261.3  |
| 15°   | 364.6  | 355.8  | 353.0  | 343.4  | 335.2  | 329.0  | 321.6  | 314.7  | 310.6  | 303.7  | 299.0  |
| 17.5° | 414.5  | 405.7  | 403.6  | 389.2  | 380.3  | 376.3  | 368.0  | 359.2  | 351.6  | 344.8  | 337.2  |
| 20°   | 464.5  | 458.3  | 452.8  | 439.2  | 429.6  | 422.8  | 411.8  | 402.9  | 396.8  | 387.2  | 377.6  |
| 22.5° | 514.4  | 508.3  | 504.1  | 489.8  | 480.9  | 471.3  | 461.8  | 452.1  | 443.3  | 431.6  | 420.7  |
| 25°   | 565.7  | 561.7  | 559.6  | 546.5  | 538.3  | 529.4  | 519.9  | 508.9  | 498.0  | 485.0  | 473.4  |
| 27.5° | 619.1  | 620.4  | 616.4  | 613.6  | 604.8  | 598.5  | 583.5  | 576.0  | 567.8  | 552.0  | 537.7  |
| 30°   | 686.8  | 690.9  | 689.5  | 691.6  | 686.1  | 682.0  | 670.4  | 660.8  | 651.2  | 636.2  | 619.8  |
| 32.5° | 772.3  | 777.8  | 780.5  | 788.1  | 785.3  | 783.9  | 780.5  | 766.8  | 760.0  | 734.0  | 727.2  |
| 35°   | 904.4  | 901.6  | 913.3  | 919.4  | 916.7  | 915.3  | 911.2  | 903.6  | 895.4  | 877.0  | 859.9  |
| 37.5° | 1076.1 | 1078.8 | 1082.9 | 1070.6 | 1062.4 | 1061.7 | 1049.3 | 1041.9 | 1030.3 | 1009.6 | 989.1  |
| 40°   | 1390.7 | 1373.6 | 1354.5 | 1302.5 | 1279.9 | 1266.9 | 1230.7 | 1220.4 | 1200.5 | 1172.5 | 1151.3 |
| 42.5° | 1799.8 | 1782.7 | 1725.2 | 1638.3 | 1591.8 | 1527.6 | 1498.1 | 1461.9 | 1433.8 | 1388.0 | 1363.3 |
| 45°   | 2206.1 | 2156.9 | 2150.1 | 2048.8 | 1991.3 | 1906.5 | 1853.8 | 1793.0 | 1729.3 | 1669.1 | 1625.4 |
| 47.5° | 2548.8 | 2537.9 | 2504.4 | 2442.8 | 2389.4 | 2318.3 | 2250.6 | 2156.9 | 2091.2 | 2005.7 | 1927.0 |
| 50°   | 2823.1 | 2822.5 | 2810.2 | 2774.6 | 2730.2 | 2672.6 | 2613.2 | 2533.8 | 2459.3 | 2354.6 | 2270.5 |
| 52.5° | 3028.4 | 3039.3 | 3043.4 | 3032.4 | 3015.3 | 2964.8 | 2934.6 | 2868.3 | 2805.4 | 2716.5 | 2625.5 |
| 55°   | 3178.9 | 3219.3 | 3239.8 | 3263.0 | 3258.2 | 3240.4 | 3239.1 | 3196.0 | 3167.3 | 3096.8 | 3032.4 |
| 57.5° | 3365.0 | 3431.3 | 3494.9 | 3607.8 | 3611.9 | 3651.6 | 3672.1 | 3692.6 | 3698.1 | 3670.1 | 3648.8 |
| 60°   | 3601.7 | 3737.1 | 3857.5 | 4093.5 | 4155.0 | 4252.2 | 4315.1 | 4383.5 | 4441.7 | 4446.4 | 4445.1 |
| 62.5° | 3768.5 | 3977.2 | 4171.5 | 4521.7 | 4641.5 | 4753.6 | 4837.7 | 4904.1 | 4944.5 | 4985.5 | 5004.7 |
| 63°   | 3773.4 | 4001.8 | 4208.4 | 4569.6 | 4695.4 | 4802.2 | 4882.2 | 4943.7 | 4986.2 | 5010.8 | 5023.1 |
| 65°   | 3657.7 | 3934.8 | 4181.0 | 4540.8 | 4659.2 | 4766.6 | 4808.3 | 4848.7 | 4869.2 | 4878.8 | 4842.5 |
| 67.5° | 3100.2 | 3371.1 | 3658.4 | 4060.6 | 4161.9 | 4290.5 | 4324.7 | 4345.2 | 4354.8 | 4352.7 | 4322.0 |
| 70°   | 2318.3 | 2545.4 | 2864.9 | 3324.6 | 3458.7 | 3584.6 | 3662.5 | 3696.1 | 3706.9 | 3703.5 | 3657.7 |
| 72.5° | 1618.5 | 1751.9 | 2015.2 | 2526.9 | 2709.6 | 2871.1 | 2967.5 | 3017.4 | 3027.7 | 3007.2 | 2964.8 |
| 75°   | 1359.3 | 1366.1 | 1425.6 | 1705.4 | 1876.4 | 2048.8 | 2157.5 | 2189.0 | 2168.5 | 2106.2 | 1998.1 |
| 77.5° | 1213.6 | 1228.6 | 1228.6 | 1270.4 | 1303.8 | 1351.7 | 1362.0 | 1285.4 | 1196.5 | 1081.6 | 988.5  |
| 80°   | 1017.9 | 1070.6 | 1107.5 | 1138.3 | 1141.8 | 1132.1 | 1106.8 | 1063.7 | 995.3  | 907.8  | 810.7  |
| 82.5° | 618.4  | 722.4  | 764.8  | 923.5  | 1001.5 | 1054.2 | 1050.1 | 992.5  | 940.6  | 849.6  | 766.8  |
| 85°   | 156.0  | 168.3  | 182.7  | 237.4  | 266.1  | 325.0  | 361.9  | 379.0  | 385.2  | 353.7  | 320.1  |
| 87.5° | 15.0   | 10.3   | 17.1   | 13.0   | 18.4   | 13.7   | 18.4   | 17.1   | 21.2   | 22.6   | 24.7   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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°    | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  |
| 2.5°  | 159.4  | 158.7  | 158.0  | 157.3  | 156.7  | 156.0  | 154.6  | 154.6  | 153.3  | 152.5  | 151.8  |
| 5°    | 177.2  | 175.9  | 175.1  | 173.8  | 171.7  | 170.4  | 168.3  | 165.6  | 163.5  | 162.8  | 161.5  |
| 7.5°  | 199.8  | 196.4  | 194.9  | 193.0  | 190.2  | 186.1  | 183.3  | 181.2  | 177.8  | 175.9  | 171.7  |
| 10°   | 225.1  | 221.7  | 217.5  | 213.5  | 209.3  | 204.6  | 201.1  | 198.3  | 193.0  | 190.2  | 185.4  |
| 12.5° | 257.2  | 251.1  | 246.2  | 240.8  | 235.3  | 229.8  | 225.7  | 217.5  | 212.7  | 206.6  | 202.5  |
| 15°   | 290.1  | 284.6  | 279.1  | 272.2  | 264.0  | 255.1  | 251.1  | 243.5  | 237.4  | 227.8  | 222.3  |
| 17.5° | 329.7  | 319.5  | 311.3  | 303.0  | 295.5  | 287.4  | 279.1  | 267.5  | 258.5  | 250.4  | 239.4  |
| 20°   | 368.7  | 356.4  | 347.5  | 336.6  | 325.6  | 312.6  | 303.0  | 294.8  | 282.5  | 271.6  | 259.9  |
| 22.5° | 410.5  | 398.1  | 383.7  | 372.8  | 357.7  | 347.5  | 334.5  | 320.8  | 308.5  | 294.2  | 279.8  |
| 25°   | 461.0  | 448.1  | 431.6  | 417.3  | 400.2  | 385.8  | 370.1  | 354.3  | 339.3  | 322.9  | 304.5  |
| 27.5° | 523.3  | 509.6  | 491.8  | 474.7  | 452.1  | 434.4  | 419.4  | 398.1  | 379.0  | 358.4  | 337.2  |
| 30°   | 602.0  | 586.9  | 565.1  | 540.4  | 517.8  | 498.0  | 476.8  | 448.7  | 427.6  | 402.9  | 375.5  |
| 32.5° | 704.6  | 686.8  | 657.4  | 634.1  | 606.1  | 580.1  | 550.7  | 522.6  | 492.5  | 460.4  | 428.9  |
| 35°   | 833.9  | 817.5  | 783.2  | 749.0  | 718.2  | 687.5  | 650.6  | 618.4  | 576.0  | 537.0  | 496.7  |
| 37.5° | 968.0  | 938.5  | 907.0  | 870.2  | 831.8  | 794.9  | 749.7  | 705.3  | 656.7  | 614.3  | 563.6  |
| 40°   | 1121.1 | 1085.6 | 1059.6 | 1020.0 | 965.9  | 913.3  | 871.5  | 816.1  | 755.2  | 698.4  | 639.0  |
| 42.5° | 1331.2 | 1291.5 | 1245.0 | 1184.8 | 1145.8 | 1084.2 | 1030.3 | 964.6  | 884.5  | 820.9  | 749.0  |
| 45°   | 1574.1 | 1520.0 | 1474.8 | 1416.7 | 1369.5 | 1292.8 | 1229.9 | 1142.4 | 1062.4 | 978.9  | 891.3  |
| 47.5° | 1851.1 | 1784.0 | 1718.3 | 1660.9 | 1585.7 | 1510.5 | 1430.4 | 1337.3 | 1234.7 | 1143.1 | 1039.1 |
| 50°   | 2169.2 | 2074.1 | 1983.1 | 1909.2 | 1805.9 | 1719.1 | 1632.2 | 1527.6 | 1414.0 | 1308.6 | 1190.3 |
| 52.5° | 2522.9 | 2412.7 | 2292.3 | 2178.8 | 2059.1 | 1947.6 | 1842.9 | 1722.5 | 1596.0 | 1467.4 | 1335.3 |
| 55°   | 2949.7 | 2866.9 | 2725.3 | 2581.0 | 2420.9 | 2271.8 | 2137.0 | 1987.9 | 1834.0 | 1665.1 | 1526.1 |
| 57.5° | 3618.0 | 3577.7 | 3459.4 | 3315.0 | 3106.3 | 2925.1 | 2696.6 | 2514.0 | 2291.0 | 2058.3 | 1879.2 |
| 60°   | 4523.7 | 4473.8 | 4407.5 | 4290.5 | 4125.0 | 3878.7 | 3626.9 | 3343.0 | 3003.7 | 2681.6 | 2375.8 |
| 62.5° | 5006.7 | 4988.9 | 4934.9 | 4854.2 | 4699.6 | 4505.3 | 4251.5 | 3939.6 | 3556.5 | 3165.2 | 2775.2 |
| 63°   | 5021.0 | 4998.5 | 4952.0 | 4869.9 | 4733.8 | 4545.6 | 4296.7 | 3993.6 | 3618.8 | 3219.9 | 2821.8 |
| 65°   | 4826.8 | 4817.9 | 4770.7 | 4681.1 | 4588.1 | 4444.5 | 4251.5 | 3990.9 | 3676.2 | 3299.3 | 2903.2 |
| 67.5° | 4280.9 | 4254.2 | 4181.8 | 4154.4 | 4089.3 | 3989.5 | 3842.4 | 3663.2 | 3438.1 | 3142.0 | 2799.9 |
| 70°   | 3620.8 | 3581.1 | 3490.2 | 3441.6 | 3362.2 | 3299.3 | 3209.6 | 3081.8 | 2942.9 | 2736.3 | 2481.1 |
| 72.5° | 2920.9 | 2838.9 | 2755.4 | 2628.9 | 2518.0 | 2405.9 | 2306.7 | 2216.4 | 2063.8 | 1980.4 | 1786.8 |
| 75°   | 1896.9 | 1747.8 | 1604.9 | 1413.3 | 1240.9 | 1088.4 | 939.9  | 864.7  | 708.0  | 644.4  | 553.4  |
| 77.5° | 900.2  | 816.8  | 704.6  | 617.7  | 506.9  | 413.9  | 337.9  | 253.8  | 199.1  | 156.0  | 119.1  |
| 80°   | 726.5  | 656.1  | 588.3  | 509.6  | 426.2  | 340.0  | 260.6  | 194.9  | 138.1  | 95.8   | 67.8   |
| 82.5° | 647.8  | 571.2  | 487.8  | 433.7  | 376.9  | 308.5  | 253.1  | 206.6  | 152.5  | 111.5  | 76.0   |
| 85°   | 251.7  | 212.0  | 163.5  | 133.4  | 103.9  | 85.5   | 77.3   | 53.4   | 41.8   | 32.8   | 25.3   |
| 87.5° | 21.9   | 17.8   | 14.4   | 9.5    | 10.3   | 5.5    | 6.1    | 4.1    | 3.4    | 3.4    | 2.7    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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°    | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4  | 144.4 | 144.4 | 144.4 | 144.4 | 144.4 |
| 2.5°  | 151.2  | 150.5  | 149.8  | 148.4  | 148.4  | 147.0  | 146.4 | 145.7 | 142.3 | 134.7 | 128.6 |
| 5°    | 158.7  | 157.3  | 156.0  | 153.9  | 152.5  | 150.5  | 149.1 | 147.0 | 139.6 | 125.2 | 112.8 |
| 7.5°  | 169.6  | 166.9  | 164.9  | 160.7  | 158.7  | 156.0  | 153.9 | 150.5 | 138.1 | 116.3 | 99.2  |
| 10°   | 182.7  | 177.8  | 174.4  | 169.6  | 165.6  | 162.2  | 158.7 | 153.9 | 136.8 | 106.7 | 86.8  |
| 12.5° | 198.3  | 193.0  | 186.1  | 180.6  | 175.1  | 170.4  | 165.6 | 159.4 | 134.7 | 98.5  | 77.3  |
| 15°   | 214.1  | 205.9  | 201.1  | 193.6  | 186.1  | 179.3  | 172.4 | 166.9 | 135.4 | 89.6  | 69.1  |
| 17.5° | 231.9  | 223.7  | 213.5  | 205.2  | 197.0  | 188.1  | 179.9 | 169.0 | 132.0 | 82.8  | 62.9  |
| 20°   | 249.0  | 237.4  | 227.8  | 217.5  | 205.9  | 194.9  | 184.7 | 175.1 | 129.3 | 76.0  | 57.5  |
| 22.5° | 267.5  | 253.8  | 241.5  | 228.5  | 214.1  | 201.8  | 189.5 | 177.2 | 124.5 | 69.7  | 52.6  |
| 25°   | 290.1  | 274.3  | 256.5  | 240.8  | 225.7  | 210.7  | 194.9 | 179.9 | 119.7 | 64.4  | 49.2  |
| 27.5° | 317.4  | 296.9  | 279.1  | 259.3  | 238.0  | 218.9  | 201.8 | 185.4 | 114.9 | 60.2  | 45.8  |
| 30°   | 352.3  | 328.4  | 303.0  | 277.7  | 255.1  | 233.3  | 209.3 | 188.8 | 110.2 | 56.1  | 42.4  |
| 32.5° | 398.9  | 368.7  | 337.9  | 308.5  | 278.4  | 250.4  | 225.1 | 198.3 | 107.4 | 52.6  | 39.0  |
| 35°   | 460.4  | 421.3  | 383.7  | 346.8  | 310.6  | 276.4  | 243.5 | 213.5 | 107.4 | 48.6  | 34.9  |
| 37.5° | 518.5  | 473.4  | 425.5  | 379.7  | 336.6  | 296.9  | 257.9 | 221.7 | 102.0 | 45.2  | 31.5  |
| 40°   | 581.5  | 527.5  | 471.3  | 417.3  | 365.3  | 316.1  | 271.6 | 229.8 | 97.1  | 41.0  | 28.1  |
| 42.5° | 677.9  | 609.5  | 536.3  | 473.4  | 411.1  | 350.3  | 294.8 | 245.6 | 91.0  | 36.9  | 24.7  |
| 45°   | 804.5  | 717.6  | 631.4  | 554.8  | 475.4  | 400.8  | 335.2 | 274.3 | 89.6  | 33.5  | 21.2  |
| 47.5° | 939.9  | 837.3  | 736.1  | 638.2  | 545.2  | 458.3  | 379.7 | 306.4 | 89.6  | 30.1  | 18.4  |
| 50°   | 1074.7 | 946.1  | 838.0  | 724.5  | 619.8  | 517.2  | 423.4 | 340.0 | 90.3  | 27.4  | 15.0  |
| 52.5° | 1196.5 | 1059.0 | 937.8  | 806.5  | 690.9  | 571.9  | 469.9 | 372.8 | 88.9  | 23.9  | 12.3  |
| 55°   | 1365.4 | 1203.9 | 1063.7 | 918.8  | 783.2  | 649.2  | 533.6 | 422.1 | 89.6  | 21.2  | 10.3  |
| 57.5° | 1676.7 | 1487.2 | 1318.2 | 1128.1 | 972.0  | 799.0  | 658.8 | 523.3 | 97.8  | 17.8  | 7.6   |
| 60°   | 2123.3 | 1877.1 | 1639.7 | 1407.8 | 1209.4 | 1003.5 | 821.6 | 662.2 | 114.9 | 14.4  | 5.5   |
| 62.5° | 2423.6 | 2101.5 | 1818.2 | 1562.4 | 1331.9 | 1116.4 | 918.0 | 736.8 | 126.5 | 11.6  | 3.4   |
| 63°   | 2454.4 | 2121.3 | 1836.7 | 1572.6 | 1337.3 | 1121.9 | 922.2 | 742.2 | 127.3 | 11.0  | 3.4   |
| 65°   | 2512.5 | 2155.5 | 1846.9 | 1574.7 | 1331.9 | 1114.3 | 919.4 | 741.6 | 128.6 | 8.9   | 2.7   |
| 67.5° | 2446.2 | 2102.8 | 1787.5 | 1515.9 | 1284.0 | 1069.8 | 885.2 | 714.2 | 127.9 | 6.1   | 2.1   |
| 70°   | 2187.7 | 1903.1 | 1626.0 | 1373.0 | 1162.3 | 968.6  | 805.8 | 651.2 | 117.6 | 4.1   | 1.3   |
| 72.5° | 1606.2 | 1412.6 | 1197.8 | 1015.1 | 875.6  | 727.2  | 620.4 | 489.1 | 91.0  | 2.7   | 0.7   |
| 75°   | 476.1  | 433.7  | 364.6  | 321.6  | 283.9  | 234.6  | 208.6 | 162.8 | 46.5  | 1.3   | 0.0   |
| 77.5° | 95.1   | 86.2   | 77.3   | 70.5   | 66.3   | 56.8   | 54.1  | 44.5  | 19.2  | 0.7   | 0.0   |
| 80°   | 49.9   | 41.0   | 34.9   | 30.8   | 26.6   | 21.9   | 18.4  | 15.0  | 3.4   | 0.0   | 0.0   |
| 82.5° | 47.9   | 32.1   | 23.2   | 19.2   | 16.4   | 13.0   | 10.3  | 7.6   | 2.1   | 0.0   | 0.0   |
| 85°   | 17.8   | 13.7   | 10.3   | 8.2    | 6.8    | 6.1    | 4.8   | 4.1   | 0.0   | 0.0   | 0.0   |
| 87.5° | 2.7    | 2.1    | 2.1    | 1.3    | 1.3    | 0.7    | 0.7   | 0.7   | 0.0   | 0.0   | 0.0   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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°    | 144.4 | 144.4 | 144.4 | 144.4 | 144.4 | 144.4 | 144.4 |
| 2.5°  | 122.5 | 117.0 | 114.2 | 110.8 | 110.8 | 110.2 | 111.5 |
| 5°    | 102.0 | 94.4  | 88.9  | 84.9  | 85.5  | 83.4  | 84.1  |
| 7.5°  | 86.2  | 78.7  | 73.9  | 71.2  | 70.5  | 69.7  | 69.7  |
| 10°   | 74.6  | 67.8  | 63.6  | 61.6  | 60.9  | 60.9  | 60.9  |
| 12.5° | 66.3  | 59.5  | 56.1  | 54.7  | 54.7  | 54.1  | 54.1  |
| 15°   | 59.5  | 54.1  | 50.6  | 49.2  | 49.2  | 48.6  | 49.2  |
| 17.5° | 54.1  | 48.6  | 45.8  | 44.5  | 44.5  | 43.7  | 43.7  |
| 20°   | 49.2  | 44.5  | 41.8  | 39.7  | 39.7  | 39.0  | 39.7  |
| 22.5° | 45.2  | 40.3  | 36.9  | 35.5  | 34.9  | 34.2  | 34.9  |
| 25°   | 41.0  | 36.3  | 32.8  | 30.8  | 30.1  | 30.1  | 29.4  |
| 27.5° | 37.6  | 32.8  | 28.7  | 26.6  | 26.0  | 26.0  | 25.3  |
| 30°   | 34.2  | 28.7  | 24.7  | 22.6  | 21.9  | 21.9  | 21.9  |
| 32.5° | 30.8  | 24.7  | 21.2  | 19.2  | 18.4  | 18.4  | 18.4  |
| 35°   | 27.4  | 21.2  | 17.8  | 15.8  | 15.0  | 15.0  | 15.0  |
| 37.5° | 23.2  | 17.8  | 13.7  | 12.3  | 11.6  | 11.0  | 11.0  |
| 40°   | 19.8  | 13.7  | 10.3  | 8.9   | 7.6   | 7.6   | 7.6   |
| 42.5° | 16.4  | 11.0  | 7.6   | 5.5   | 4.8   | 4.1   | 4.8   |
| 45°   | 13.7  | 8.2   | 4.8   | 2.7   | 2.1   | 2.1   | 2.1   |
| 47.5° | 11.0  | 5.5   | 2.1   | 0.7   | 0.7   | 0.7   | 0.7   |
| 50°   | 8.2   | 3.4   | 0.7   | 0.0   | 0.0   | 0.7   | 0.7   |
| 52.5° | 6.1   | 2.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 55°   | 3.4   | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 57.5° | 2.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°   | 1.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5° | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 63°   | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°   | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 70°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 72.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)