

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: P146768

Luminaire Tested: **OVH-E02-LED-E-U-T3-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P146768  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33695)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: OVH-E02-LED-E-U-T3-8030  
Description: OVH LED ROADWAY SMALL CUTOFF COBRAHEAD LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA  
Light Source: (42) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5040 lumens  
Efficiency: N/A  
Efficacy: 96.7 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

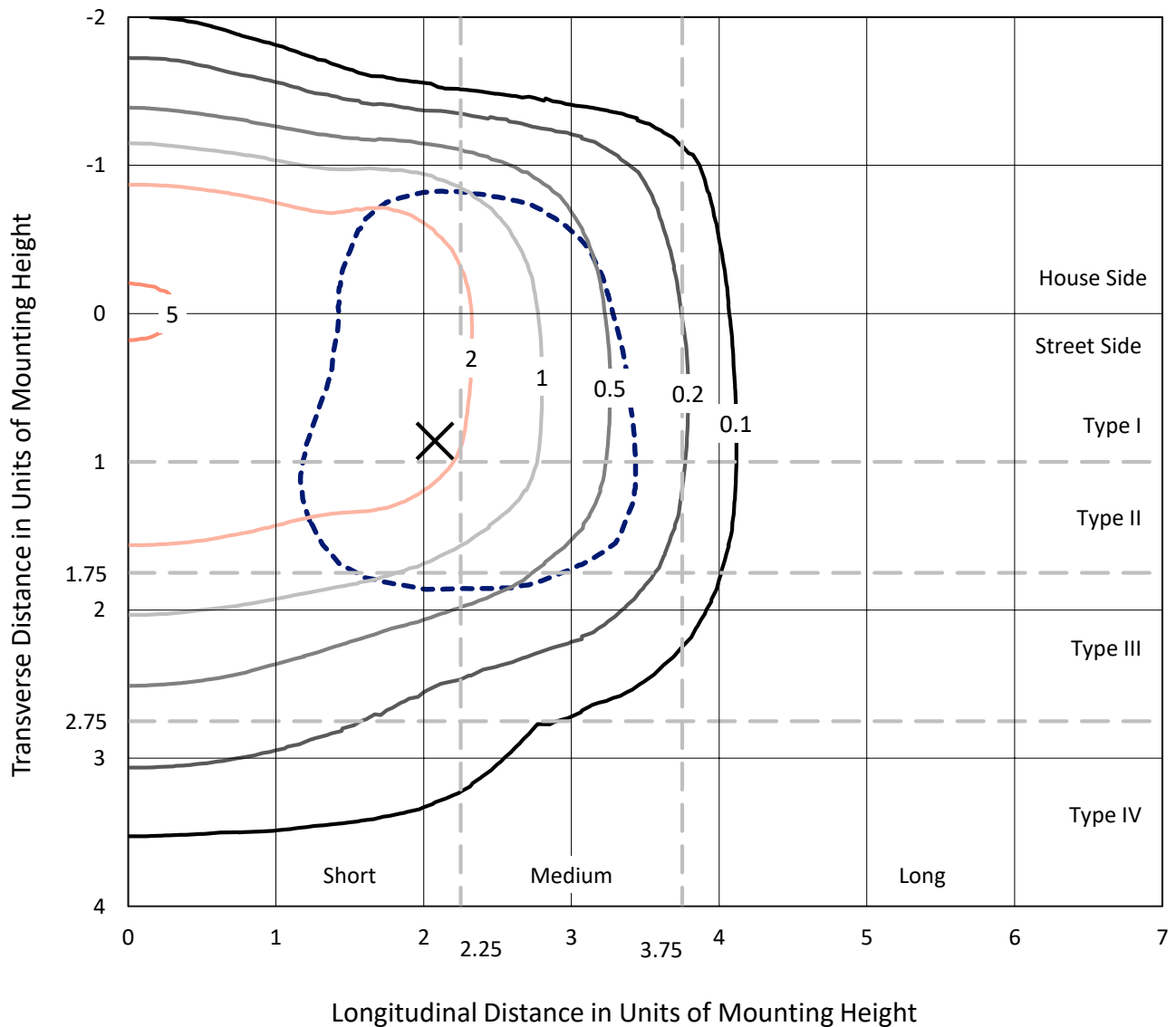
Input Watts (W): 52.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

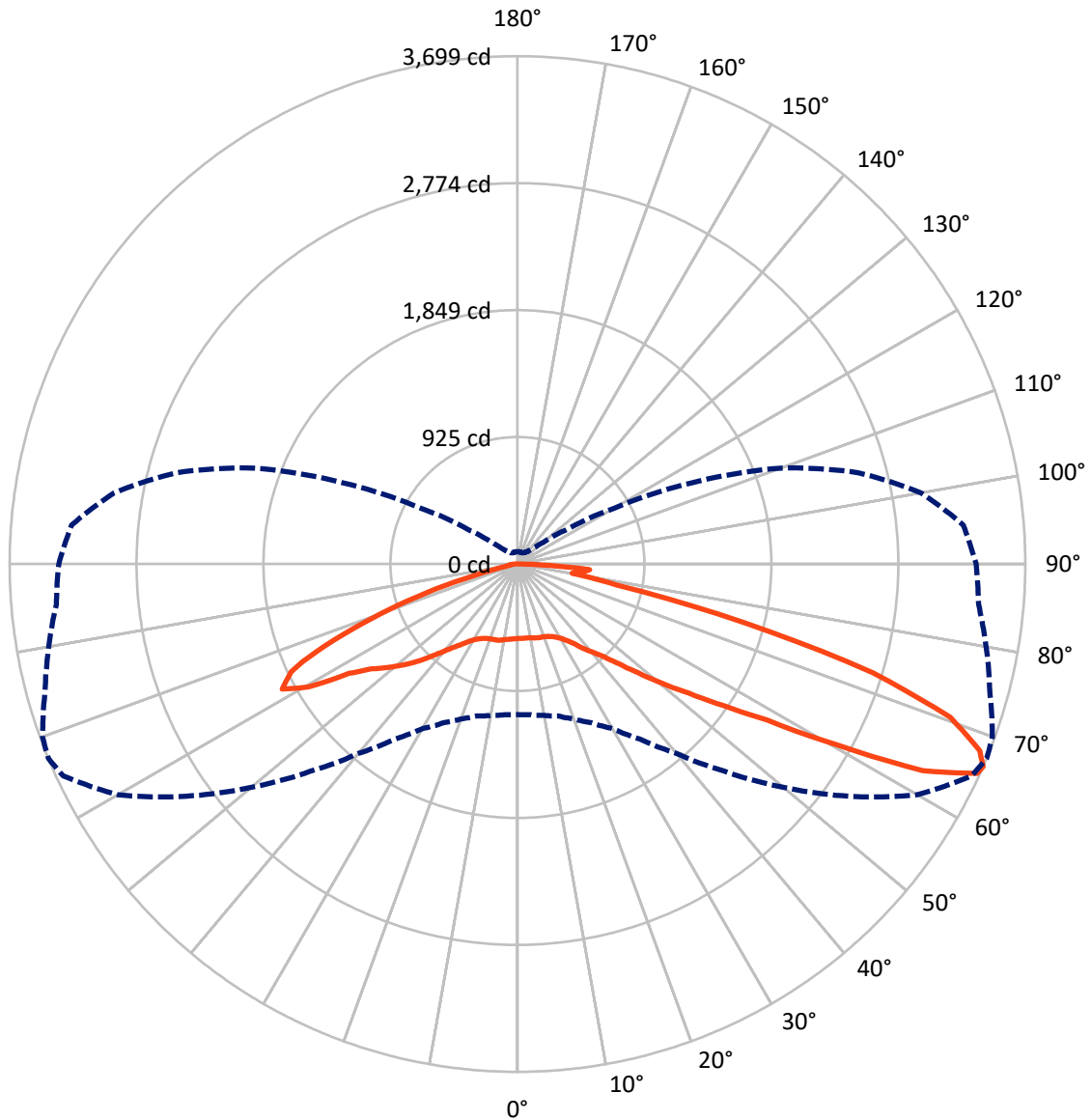


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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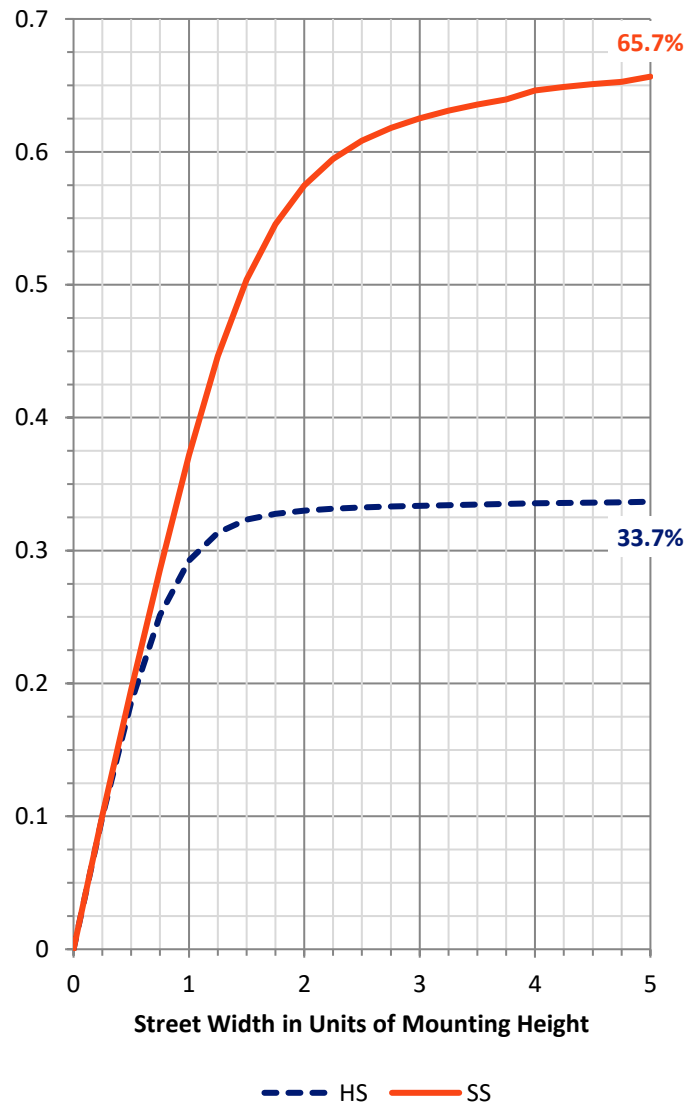
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1712.3   | 0.0    | 1712.3 |
|                    | % Fixture | 34.0     | 0.0    | 34.0   |
| <b>Street Side</b> | Lumens    | 3327.7   | 0.0    | 3327.7 |
|                    | % Fixture | 66.0     | 0.0    | 66.0   |
| <b>Total</b>       | Lumens    | 5040.0   | 0.0    | 5040.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 52.1   | 1.0       |
| 10°-20°   | 154.4  | 3.1       |
| 20°-30°   | 265.5  | 5.3       |
| 30°-40°   | 427.0  | 8.5       |
| 40°-50°   | 703.8  | 14.0      |
| 50°-60°   | 1103.1 | 21.9      |
| 60°-70°   | 1526.7 | 30.3      |
| 70°-80°   | 690.9  | 13.7      |
| 80°-90°   | 116.6  | 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°    | 5040.0 | 100.0     |
| 0°-180°   | 5040.0 | 100.0     |



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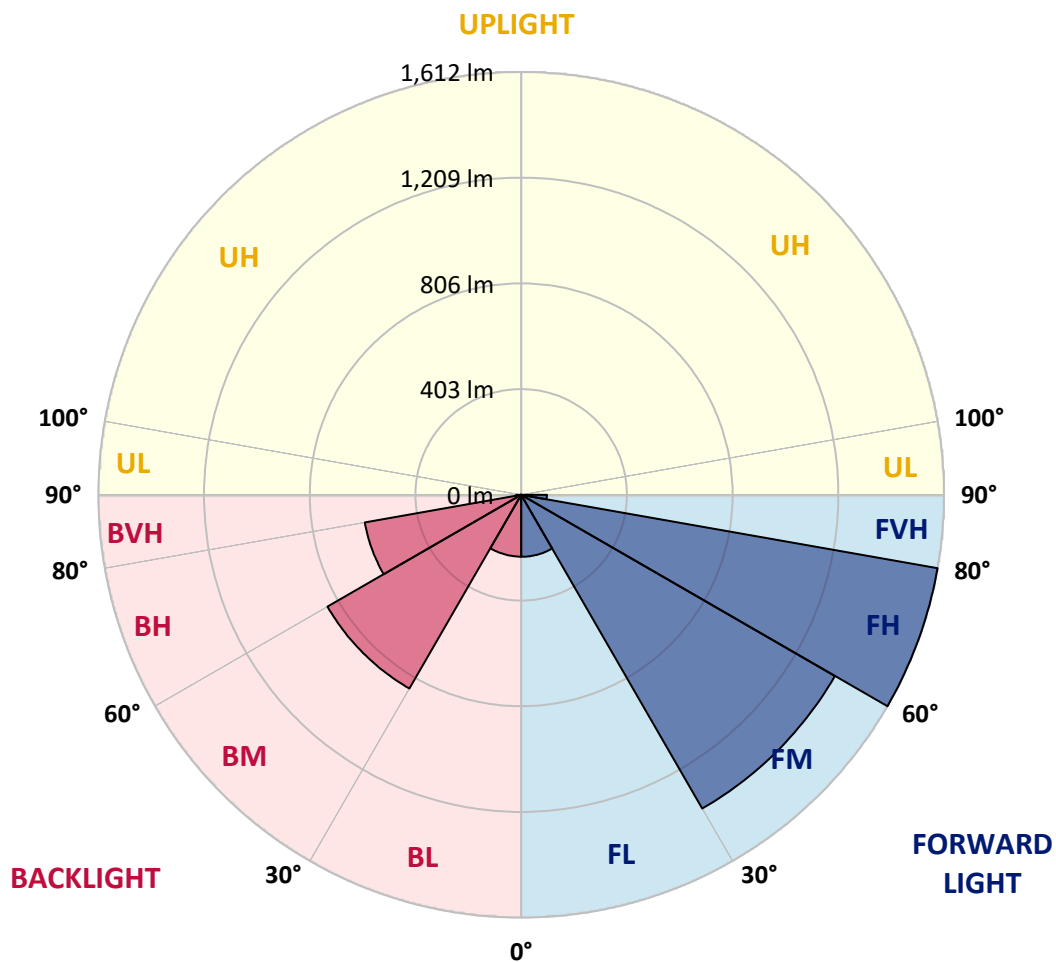
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 236.4  | 4.7       |                         |      |         |
| FM   | (30°-60°)   | 1381.2 | 27.4      |                         |      |         |
| FH   | (60°-80°)   | 1612.2 | 32.0      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 98.0   | 1.9       |                         |      | G1/100  |
| BL   | (0°-30°)    | 235.6  | 4.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 852.7  | 16.9      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 605.3  | 12.0      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 18.6   | 0.4       |                         |      | 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 III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 542.5  | 542.5  | 542.5  | 542.5  | 542.5  | 542.5  | 542.5  | 542.5  | 542.5  | 542.5  | 542.5  |
| 2.5°  | 541.8  | 541.5  | 541.2  | 541.2  | 540.8  | 541.2  | 541.5  | 541.8  | 541.5  | 541.8  | 541.5  |
| 5°    | 540.8  | 540.8  | 540.5  | 540.5  | 540.5  | 540.5  | 540.8  | 541.2  | 540.8  | 541.5  | 540.8  |
| 7.5°  | 536.4  | 538.5  | 537.8  | 538.5  | 539.1  | 539.8  | 540.2  | 540.8  | 541.8  | 542.5  | 541.8  |
| 10°   | 530.7  | 531.7  | 532.1  | 532.7  | 534.1  | 535.8  | 537.1  | 538.8  | 541.2  | 541.8  | 542.5  |
| 12.5° | 520.2  | 521.6  | 522.6  | 523.9  | 526.0  | 528.7  | 531.0  | 533.7  | 537.8  | 540.5  | 542.9  |
| 15°   | 512.5  | 514.2  | 514.5  | 516.2  | 518.2  | 521.2  | 524.3  | 528.3  | 533.7  | 538.5  | 543.2  |
| 17.5° | 517.5  | 518.2  | 517.5  | 517.5  | 518.2  | 519.6  | 521.9  | 525.3  | 531.0  | 536.8  | 542.5  |
| 20°   | 532.7  | 532.7  | 532.1  | 531.7  | 531.0  | 529.7  | 529.4  | 529.0  | 532.7  | 537.1  | 542.2  |
| 22.5° | 547.2  | 547.2  | 546.9  | 548.3  | 547.9  | 547.9  | 546.9  | 545.2  | 543.5  | 542.9  | 546.2  |
| 25°   | 556.4  | 557.7  | 558.4  | 560.4  | 561.8  | 563.8  | 564.5  | 564.1  | 561.8  | 557.7  | 556.7  |
| 27.5° | 571.2  | 572.2  | 572.9  | 575.3  | 578.0  | 580.3  | 582.7  | 585.7  | 585.7  | 582.0  | 577.0  |
| 30°   | 599.9  | 598.6  | 599.2  | 599.9  | 602.3  | 605.6  | 608.7  | 612.7  | 614.8  | 613.4  | 606.7  |
| 32.5° | 626.6  | 627.9  | 628.6  | 630.6  | 633.0  | 638.1  | 641.8  | 646.5  | 650.9  | 651.6  | 648.2  |
| 35°   | 665.7  | 665.1  | 664.1  | 671.1  | 673.8  | 679.6  | 684.0  | 690.7  | 694.1  | 697.1  | 695.1  |
| 37.5° | 727.5  | 725.5  | 724.1  | 726.2  | 729.9  | 733.6  | 740.0  | 745.1  | 750.8  | 757.9  | 755.5  |
| 40°   | 815.0  | 819.0  | 813.3  | 816.0  | 819.0  | 810.6  | 816.3  | 821.0  | 830.8  | 831.2  | 830.8  |
| 42.5° | 928.7  | 931.8  | 930.4  | 932.1  | 926.7  | 924.0  | 921.6  | 924.0  | 936.2  | 934.5  | 926.4  |
| 45°   | 1042.5 | 1046.9 | 1045.9 | 1046.5 | 1057.0 | 1052.6 | 1056.3 | 1057.0 | 1069.5 | 1066.1 | 1060.1 |
| 47.5° | 1139.7 | 1147.2 | 1148.8 | 1154.9 | 1169.1 | 1180.6 | 1196.4 | 1208.3 | 1214.3 | 1218.4 | 1223.1 |
| 50°   | 1216.7 | 1222.1 | 1231.6 | 1246.7 | 1267.3 | 1287.3 | 1323.0 | 1346.3 | 1367.6 | 1382.5 | 1397.6 |
| 52.5° | 1267.7 | 1273.8 | 1288.3 | 1311.2 | 1340.9 | 1377.4 | 1419.3 | 1467.9 | 1512.8 | 1539.1 | 1561.7 |
| 55°   | 1288.6 | 1294.7 | 1312.6 | 1342.6 | 1382.1 | 1428.7 | 1488.8 | 1557.3 | 1617.1 | 1677.5 | 1712.3 |
| 57.5° | 1276.5 | 1283.2 | 1303.8 | 1337.6 | 1385.2 | 1446.3 | 1520.9 | 1604.9 | 1692.4 | 1783.9 | 1853.7 |
| 60°   | 1240.7 | 1246.7 | 1270.0 | 1305.1 | 1359.5 | 1428.4 | 1517.8 | 1623.2 | 1746.0 | 1881.8 | 2014.4 |
| 62.5° | 1191.4 | 1200.5 | 1221.1 | 1256.9 | 1310.9 | 1386.2 | 1488.1 | 1625.2 | 1801.4 | 2020.2 | 2278.4 |
| 65°   | 1128.6 | 1135.3 | 1153.6 | 1181.9 | 1241.3 | 1320.0 | 1427.7 | 1595.5 | 1825.7 | 2136.0 | 2504.6 |
| 66°   | 1096.2 | 1102.6 | 1119.5 | 1146.1 | 1200.5 | 1276.1 | 1383.8 | 1555.6 | 1798.7 | 2135.3 | 2528.6 |
| 67.5° | 1039.1 | 1042.2 | 1054.3 | 1080.6 | 1116.1 | 1184.0 | 1283.9 | 1444.9 | 1684.3 | 2045.2 | 2461.8 |
| 70°   | 871.7  | 876.1  | 887.9  | 901.4  | 914.5  | 938.9  | 1008.7 | 1115.1 | 1306.5 | 1652.5 | 2049.9 |
| 72.5° | 602.9  | 609.7  | 622.5  | 647.5  | 668.1  | 698.8  | 726.2  | 761.6  | 825.1  | 1065.5 | 1466.5 |
| 75°   | 435.8  | 438.2  | 457.1  | 501.0  | 542.5  | 604.0  | 658.3  | 675.5  | 653.9  | 650.2  | 861.5  |
| 77.5° | 259.9  | 263.3  | 290.7  | 334.9  | 378.1  | 461.5  | 572.9  | 659.0  | 706.6  | 689.7  | 652.2  |
| 80°   | 109.4  | 114.1  | 130.3  | 141.8  | 177.6  | 247.5  | 357.5  | 492.6  | 618.1  | 695.4  | 677.9  |
| 82.5° | 35.1   | 40.8   | 48.3   | 58.4   | 68.9   | 92.2   | 142.8  | 213.7  | 337.6  | 503.4  | 618.8  |
| 85°   | 12.8   | 13.2   | 18.2   | 25.3   | 28.0   | 32.4   | 41.5   | 64.1   | 114.1  | 188.7  | 351.1  |
| 87.5° | 5.1    | 6.1    | 7.1    | 9.8    | 10.1   | 10.5   | 11.8   | 15.2   | 14.9   | 12.8   | 66.5   |
| 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):**

|       | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 542.5  | 542.5  | 542.5  | 542.5  | 542.5  | 542.5  | 542.5  | 542.5  | 542.5  | 542.5  | 542.5  |
| 2.5°  | 541.8  | 542.5  | 542.2  | 542.5  | 542.5  | 541.8  | 541.8  | 543.2  | 542.2  | 542.9  | 542.9  |
| 5°    | 541.5  | 542.2  | 541.8  | 542.5  | 542.5  | 542.2  | 542.2  | 544.2  | 543.9  | 544.9  | 545.6  |
| 7.5°  | 542.9  | 543.2  | 542.9  | 542.9  | 543.9  | 543.5  | 543.9  | 544.5  | 546.2  | 547.9  | 549.3  |
| 10°   | 544.5  | 545.2  | 546.2  | 546.6  | 547.9  | 547.6  | 548.6  | 549.6  | 551.3  | 553.0  | 554.7  |
| 12.5° | 546.9  | 548.9  | 552.0  | 552.6  | 554.0  | 555.0  | 556.7  | 557.7  | 559.1  | 561.8  | 563.8  |
| 15°   | 548.9  | 552.6  | 556.4  | 557.7  | 559.1  | 560.4  | 562.1  | 563.1  | 565.5  | 567.8  | 570.2  |
| 17.5° | 549.6  | 554.0  | 558.7  | 560.4  | 561.8  | 564.1  | 566.1  | 568.2  | 570.9  | 573.9  | 576.6  |
| 20°   | 549.9  | 556.0  | 562.1  | 564.1  | 567.2  | 570.5  | 573.9  | 575.6  | 579.3  | 583.0  | 585.4  |
| 22.5° | 553.0  | 560.4  | 568.8  | 572.6  | 575.6  | 581.7  | 586.1  | 588.8  | 593.2  | 596.2  | 597.2  |
| 25°   | 561.4  | 569.2  | 579.3  | 585.1  | 590.1  | 598.9  | 604.3  | 609.4  | 611.7  | 615.8  | 614.8  |
| 27.5° | 576.6  | 582.7  | 595.9  | 603.6  | 610.0  | 621.5  | 632.0  | 636.7  | 640.4  | 642.4  | 640.1  |
| 30°   | 602.6  | 605.0  | 619.5  | 628.9  | 639.7  | 657.6  | 669.1  | 675.2  | 679.9  | 680.3  | 674.2  |
| 32.5° | 641.4  | 637.7  | 650.5  | 664.1  | 678.2  | 699.8  | 715.4  | 721.8  | 725.5  | 725.8  | 712.3  |
| 35°   | 694.1  | 687.7  | 698.5  | 711.7  | 729.2  | 757.6  | 777.1  | 784.6  | 790.3  | 787.6  | 767.7  |
| 37.5° | 760.6  | 760.3  | 765.3  | 782.2  | 802.1  | 838.6  | 859.2  | 863.2  | 862.9  | 854.8  | 824.7  |
| 40°   | 834.5  | 828.5  | 829.1  | 841.3  | 864.2  | 912.2  | 940.9  | 947.6  | 945.3  | 933.5  | 894.3  |
| 42.5° | 927.7  | 925.0  | 915.9  | 922.3  | 943.6  | 1002.0 | 1036.8 | 1043.5 | 1045.5 | 1026.0 | 979.7  |
| 45°   | 1058.4 | 1056.0 | 1035.7 | 1037.1 | 1052.6 | 1114.1 | 1150.2 | 1161.3 | 1161.7 | 1143.1 | 1083.0 |
| 47.5° | 1216.7 | 1214.7 | 1191.0 | 1184.3 | 1192.1 | 1246.7 | 1291.6 | 1294.0 | 1294.7 | 1269.0 | 1206.6 |
| 50°   | 1396.3 | 1390.6 | 1372.7 | 1365.6 | 1356.5 | 1416.9 | 1453.0 | 1452.7 | 1449.0 | 1420.6 | 1350.4 |
| 52.5° | 1569.8 | 1582.7 | 1575.9 | 1562.1 | 1562.4 | 1605.9 | 1640.0 | 1621.1 | 1623.5 | 1596.5 | 1515.8 |
| 55°   | 1755.2 | 1787.9 | 1812.6 | 1817.6 | 1815.3 | 1837.5 | 1856.4 | 1822.7 | 1810.2 | 1805.8 | 1720.1 |
| 57.5° | 1952.0 | 2035.7 | 2111.7 | 2143.4 | 2131.2 | 2172.1 | 2189.0 | 2153.9 | 2154.5 | 2189.0 | 2115.0 |
| 60°   | 2215.0 | 2426.3 | 2617.7 | 2677.1 | 2704.8 | 2772.3 | 2742.3 | 2740.3 | 2793.3 | 2837.8 | 2700.8 |
| 62.5° | 2614.0 | 2964.1 | 3269.6 | 3313.8 | 3336.1 | 3351.3 | 3337.8 | 3301.0 | 3355.7 | 3361.1 | 3149.8 |
| 65°   | 2916.5 | 3327.3 | 3622.7 | 3678.1 | 3674.1 | 3596.8 | 3521.8 | 3448.2 | 3447.5 | 3393.5 | 3121.4 |
| 66°   | 2949.2 | 3361.8 | 3649.8 | 3698.7 | 3680.8 | 3561.6 | 3466.4 | 3370.9 | 3340.2 | 3259.2 | 2983.0 |
| 67.5° | 2877.7 | 3301.7 | 3587.6 | 3631.5 | 3593.4 | 3412.1 | 3282.4 | 3153.2 | 3106.9 | 2994.1 | 2712.6 |
| 70°   | 2460.1 | 2896.9 | 3279.4 | 3342.9 | 3297.6 | 3056.9 | 2864.8 | 2722.7 | 2596.8 | 2485.7 | 2253.5 |
| 72.5° | 1907.4 | 2234.2 | 2639.0 | 2705.2 | 2708.9 | 2520.5 | 2304.1 | 2167.7 | 2021.2 | 1909.8 | 1735.6 |
| 75°   | 1251.1 | 1498.3 | 1720.7 | 1698.4 | 1704.9 | 1556.7 | 1427.7 | 1314.3 | 1181.6 | 1093.8 | 1010.8 |
| 77.5° | 731.2  | 819.7  | 799.4  | 744.1  | 697.5  | 548.3  | 392.3  | 269.4  | 235.0  | 245.1  | 276.5  |
| 80°   | 635.7  | 586.1  | 458.8  | 403.4  | 367.0  | 249.1  | 134.0  | 94.5   | 83.0   | 84.1   | 89.1   |
| 82.5° | 684.3  | 710.0  | 582.7  | 479.7  | 418.3  | 293.4  | 157.7  | 78.7   | 56.7   | 66.2   | 72.9   |
| 85°   | 531.0  | 675.9  | 623.2  | 526.7  | 442.9  | 311.9  | 161.0  | 50.0   | 33.8   | 45.2   | 57.1   |
| 87.5° | 151.2  | 239.4  | 191.4  | 169.1  | 136.4  | 93.2   | 38.5   | 19.9   | 18.2   | 23.6   | 32.7   |
| 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):**

|       | 105°   | 110°   | 115°   | 120°   | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 542.5  | 542.5  | 542.5  | 542.5  | 542.5 | 542.5 | 542.5 | 542.5 | 542.5 | 542.5 | 542.5 |
| 2.5°  | 543.2  | 543.2  | 544.2  | 544.5  | 544.9 | 544.9 | 545.6 | 545.6 | 545.9 | 547.2 | 546.9 |
| 5°    | 546.6  | 547.6  | 548.9  | 549.6  | 550.6 | 551.0 | 552.0 | 552.0 | 553.0 | 554.0 | 553.7 |
| 7.5°  | 550.6  | 551.6  | 552.6  | 553.7  | 554.7 | 556.0 | 555.7 | 555.3 | 555.0 | 554.3 | 553.7 |
| 10°   | 556.4  | 557.4  | 558.4  | 558.0  | 557.4 | 556.7 | 554.0 | 551.0 | 549.6 | 546.9 | 544.9 |
| 12.5° | 565.8  | 566.8  | 565.8  | 563.1  | 559.4 | 555.0 | 549.3 | 544.2 | 541.2 | 537.1 | 534.8 |
| 15°   | 572.9  | 573.9  | 571.9  | 567.2  | 561.1 | 555.3 | 547.6 | 541.2 | 535.8 | 531.4 | 528.0 |
| 17.5° | 578.3  | 577.6  | 573.2  | 567.8  | 561.4 | 556.7 | 549.6 | 542.5 | 536.1 | 530.0 | 525.3 |
| 20°   | 586.1  | 582.4  | 575.9  | 569.2  | 562.8 | 558.7 | 553.0 | 546.6 | 539.8 | 531.0 | 525.0 |
| 22.5° | 596.2  | 589.4  | 581.0  | 574.3  | 568.2 | 564.1 | 558.4 | 552.3 | 545.9 | 535.8 | 527.3 |
| 25°   | 610.7  | 599.9  | 590.1  | 583.0  | 577.6 | 573.6 | 566.5 | 560.1 | 553.0 | 542.9 | 532.1 |
| 27.5° | 631.0  | 615.4  | 605.3  | 598.2  | 592.8 | 588.1 | 579.0 | 571.2 | 562.1 | 552.0 | 539.1 |
| 30°   | 657.3  | 638.4  | 627.3  | 621.2  | 615.4 | 608.7 | 598.9 | 587.4 | 575.6 | 562.1 | 548.3 |
| 32.5° | 690.0  | 668.8  | 658.3  | 652.2  | 644.8 | 635.7 | 622.9 | 607.7 | 590.1 | 572.2 | 555.0 |
| 35°   | 736.6  | 712.3  | 700.9  | 690.4  | 679.6 | 666.1 | 646.8 | 624.9 | 601.6 | 578.3 | 557.0 |
| 37.5° | 782.9  | 760.3  | 746.1  | 735.3  | 718.4 | 696.5 | 669.8 | 639.4 | 608.3 | 578.6 | 553.0 |
| 40°   | 848.4  | 822.0  | 805.5  | 786.3  | 758.9 | 724.8 | 686.0 | 645.1 | 606.7 | 570.9 | 540.5 |
| 42.5° | 928.7  | 898.7  | 874.0  | 839.3  | 796.7 | 747.4 | 693.8 | 641.8 | 594.8 | 553.7 | 520.2 |
| 45°   | 1030.3 | 991.2  | 950.0  | 895.3  | 830.1 | 761.3 | 693.4 | 630.0 | 574.6 | 528.0 | 494.9 |
| 47.5° | 1148.8 | 1093.8 | 1024.6 | 941.2  | 852.1 | 764.7 | 682.6 | 608.7 | 544.2 | 492.9 | 454.7 |
| 50°   | 1270.7 | 1191.0 | 1092.8 | 976.7  | 863.2 | 756.2 | 658.7 | 573.9 | 504.4 | 446.0 | 404.8 |
| 52.5° | 1420.9 | 1297.4 | 1154.6 | 1000.6 | 858.5 | 731.2 | 618.8 | 525.0 | 450.7 | 393.6 | 346.4 |
| 55°   | 1599.9 | 1419.6 | 1213.3 | 1013.8 | 837.6 | 686.3 | 558.4 | 460.8 | 382.8 | 330.8 | 288.3 |
| 57.5° | 1895.9 | 1611.0 | 1313.6 | 1033.4 | 796.4 | 619.5 | 484.8 | 383.8 | 310.6 | 266.4 | 232.3 |
| 60°   | 2406.4 | 2003.6 | 1525.6 | 1081.7 | 739.3 | 524.3 | 391.3 | 300.8 | 240.4 | 204.9 | 181.0 |
| 62.5° | 2762.6 | 2241.6 | 1639.7 | 1065.1 | 642.4 | 412.9 | 289.3 | 215.0 | 175.2 | 151.9 | 135.7 |
| 65°   | 2693.3 | 2147.8 | 1502.3 | 904.8  | 503.4 | 292.0 | 192.4 | 145.5 | 122.9 | 108.4 | 100.3 |
| 66°   | 2569.1 | 2044.1 | 1397.6 | 812.3  | 436.5 | 243.4 | 158.7 | 120.5 | 105.7 | 95.2  | 89.8  |
| 67.5° | 2342.6 | 1829.4 | 1209.6 | 651.9  | 326.8 | 179.6 | 120.5 | 93.9  | 85.7  | 80.3  | 76.6  |
| 70°   | 1939.5 | 1446.6 | 832.9  | 385.2  | 172.8 | 100.6 | 76.6  | 69.2  | 65.5  | 63.1  | 62.8  |
| 72.5° | 1487.1 | 1037.8 | 481.8  | 186.4  | 92.5  | 66.8  | 58.7  | 56.0  | 54.7  | 54.0  | 54.0  |
| 75°   | 918.6  | 585.4  | 215.4  | 93.5   | 63.8  | 54.7  | 51.0  | 49.6  | 49.3  | 49.3  | 49.3  |
| 77.5° | 323.1  | 203.9  | 96.6   | 68.5   | 56.0  | 49.3  | 46.3  | 45.6  | 46.3  | 46.3  | 46.3  |
| 80°   | 89.1   | 78.7   | 69.9   | 60.8   | 50.6  | 45.6  | 42.9  | 42.5  | 43.9  | 44.2  | 42.9  |
| 82.5° | 69.5   | 65.5   | 59.8   | 54.4   | 46.3  | 41.5  | 40.2  | 40.8  | 41.5  | 40.5  | 38.5  |
| 85°   | 59.4   | 56.7   | 41.9   | 41.9   | 37.5  | 36.1  | 35.8  | 36.5  | 36.1  | 33.4  | 30.7  |
| 87.5° | 33.8   | 29.7   | 22.6   | 24.6   | 26.3  | 27.0  | 22.6  | 24.3  | 24.0  | 21.3  | 19.9  |
| 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):**

|       | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 542.5 | 542.5 | 542.5 | 542.5 | 542.5 |
| 2.5°  | 547.6 | 547.6 | 548.3 | 548.3 | 547.9 |
| 5°    | 554.3 | 554.3 | 555.3 | 554.7 | 555.0 |
| 7.5°  | 553.0 | 551.6 | 551.6 | 551.0 | 550.6 |
| 10°   | 543.5 | 541.2 | 539.8 | 540.5 | 539.5 |
| 12.5° | 532.7 | 530.7 | 529.4 | 529.0 | 528.7 |
| 15°   | 526.0 | 523.6 | 522.6 | 521.9 | 521.9 |
| 17.5° | 522.3 | 519.6 | 518.2 | 517.2 | 516.9 |
| 20°   | 520.6 | 517.2 | 515.2 | 514.2 | 513.5 |
| 22.5° | 521.2 | 517.2 | 514.5 | 513.1 | 512.5 |
| 25°   | 523.9 | 518.9 | 515.5 | 513.8 | 512.8 |
| 27.5° | 528.7 | 521.9 | 518.2 | 515.8 | 514.5 |
| 30°   | 534.4 | 525.0 | 519.6 | 516.2 | 514.8 |
| 32.5° | 538.1 | 525.3 | 518.5 | 513.5 | 512.1 |
| 35°   | 537.5 | 521.6 | 512.8 | 506.4 | 505.4 |
| 37.5° | 530.7 | 511.8 | 501.0 | 492.6 | 491.5 |
| 40°   | 516.2 | 496.9 | 484.5 | 476.0 | 474.0 |
| 42.5° | 495.9 | 476.0 | 462.5 | 454.7 | 452.0 |
| 45°   | 466.2 | 441.9 | 429.4 | 423.0 | 419.3 |
| 47.5° | 424.4 | 401.4 | 387.6 | 382.2 | 377.4 |
| 50°   | 376.8 | 351.4 | 341.3 | 335.2 | 329.8 |
| 52.5° | 320.7 | 299.1 | 291.3 | 285.6 | 281.2 |
| 55°   | 266.4 | 251.2 | 242.1 | 236.0 | 236.3 |
| 57.5° | 214.0 | 204.9 | 199.9 | 193.4 | 194.1 |
| 60°   | 168.5 | 160.7 | 160.7 | 156.6 | 155.3 |
| 62.5° | 128.6 | 125.6 | 124.6 | 123.2 | 120.9 |
| 65°   | 97.6  | 97.6  | 97.9  | 97.9  | 96.6  |
| 66°   | 87.8  | 88.8  | 90.1  | 90.1  | 88.5  |
| 67.5° | 76.0  | 77.3  | 78.7  | 79.3  | 79.3  |
| 70°   | 62.8  | 64.5  | 65.2  | 65.8  | 65.5  |
| 72.5° | 55.0  | 56.4  | 56.4  | 56.7  | 56.0  |
| 75°   | 50.0  | 50.6  | 51.0  | 50.3  | 50.0  |
| 77.5° | 46.3  | 46.6  | 46.3  | 45.9  | 45.6  |
| 80°   | 41.9  | 41.5  | 40.5  | 39.2  | 38.8  |
| 82.5° | 36.1  | 34.8  | 34.1  | 32.1  | 31.7  |
| 85°   | 29.0  | 27.3  | 26.0  | 23.3  | 21.9  |
| 87.5° | 19.2  | 18.6  | 17.6  | 12.8  | 10.5  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)