

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: P162151

Luminaire Tested: **OVF-F01-LED-E-U-T3-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P162151  
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: OVF-F01-LED-E-U-T3-7030  
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA  
Light Source: (7) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2251.3 lumens  
Efficiency: N/A  
Efficacy: 86.9 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

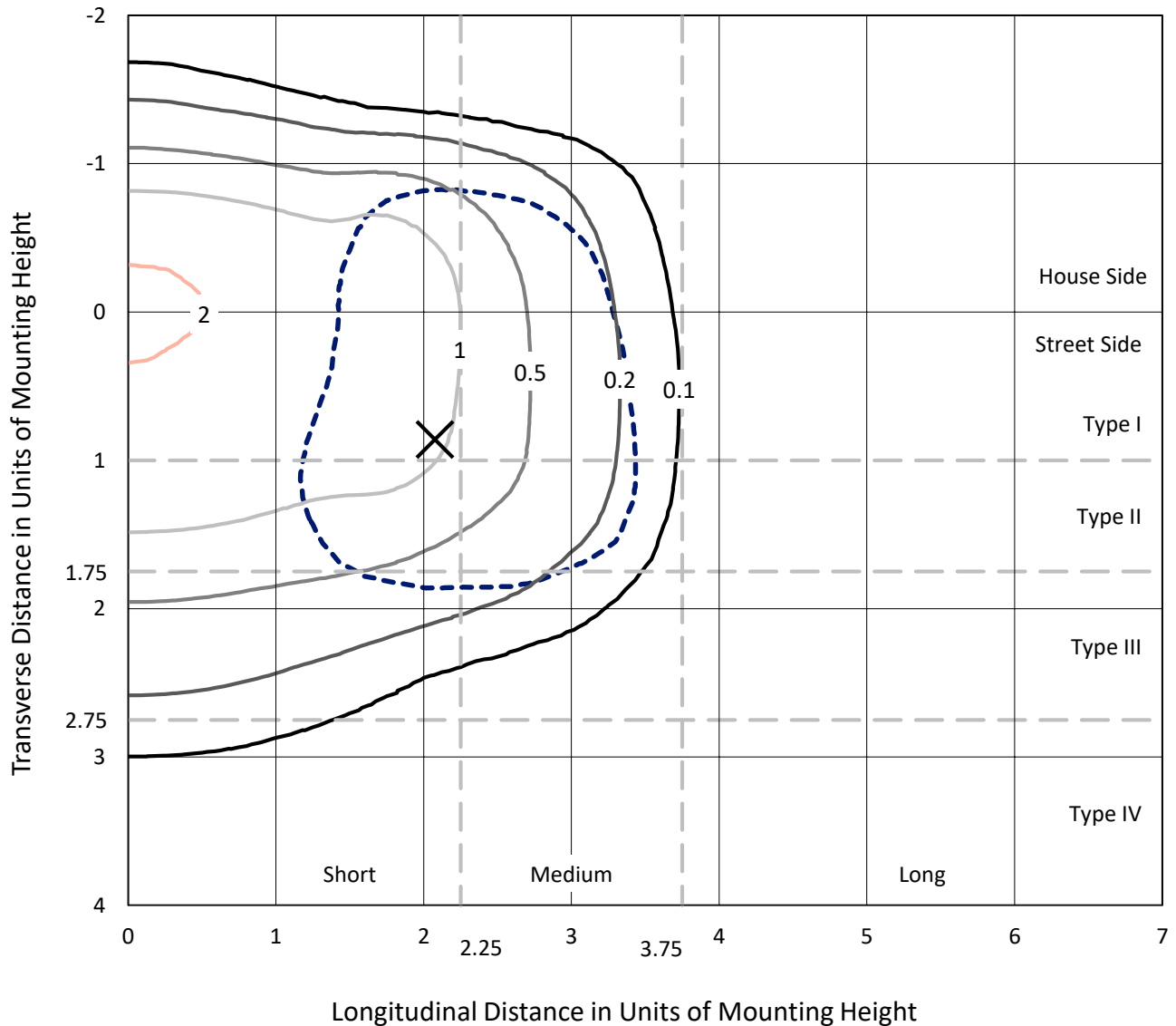
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

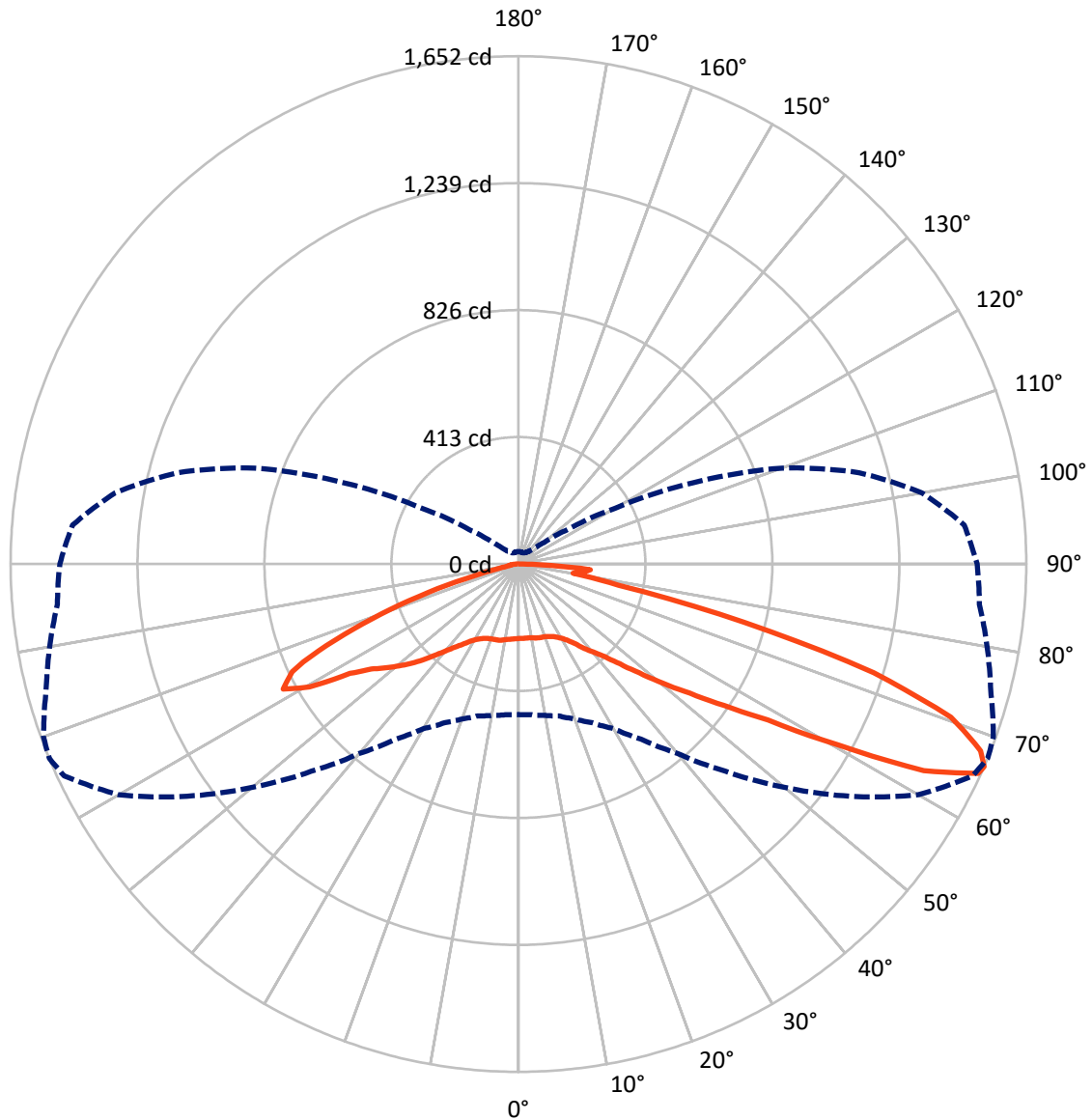
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.4 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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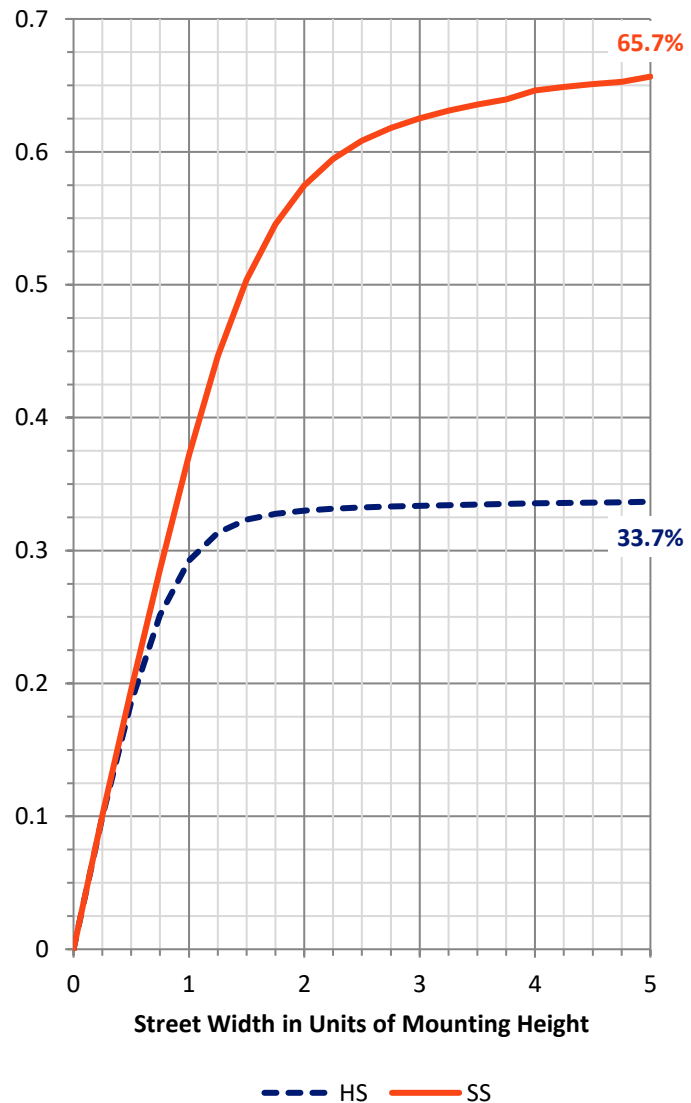
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 764.8    | 0.0    | 764.8  |
|                    | % Fixture | 34.0     | 0.0    | 34.0   |
| <b>Street Side</b> | Lumens    | 1486.4   | 0.0    | 1486.4 |
|                    | % Fixture | 66.0     | 0.0    | 66.0   |
| <b>Total</b>       | Lumens    | 2251.3   | 0.0    | 2251.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 23.3   | 1.0       |
| 10°-20°   | 69.0   | 3.1       |
| 20°-30°   | 118.6  | 5.3       |
| 30°-40°   | 190.7  | 8.5       |
| 40°-50°   | 314.4  | 14.0      |
| 50°-60°   | 492.8  | 21.9      |
| 60°-70°   | 681.9  | 30.3      |
| 70°-80°   | 308.6  | 13.7      |
| 80°-90°   | 52.1   | 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°    | 2251.3 | 100.0     |
| 0°-180°   | 2251.3 | 100.0     |

**Coefficient of Utilization**



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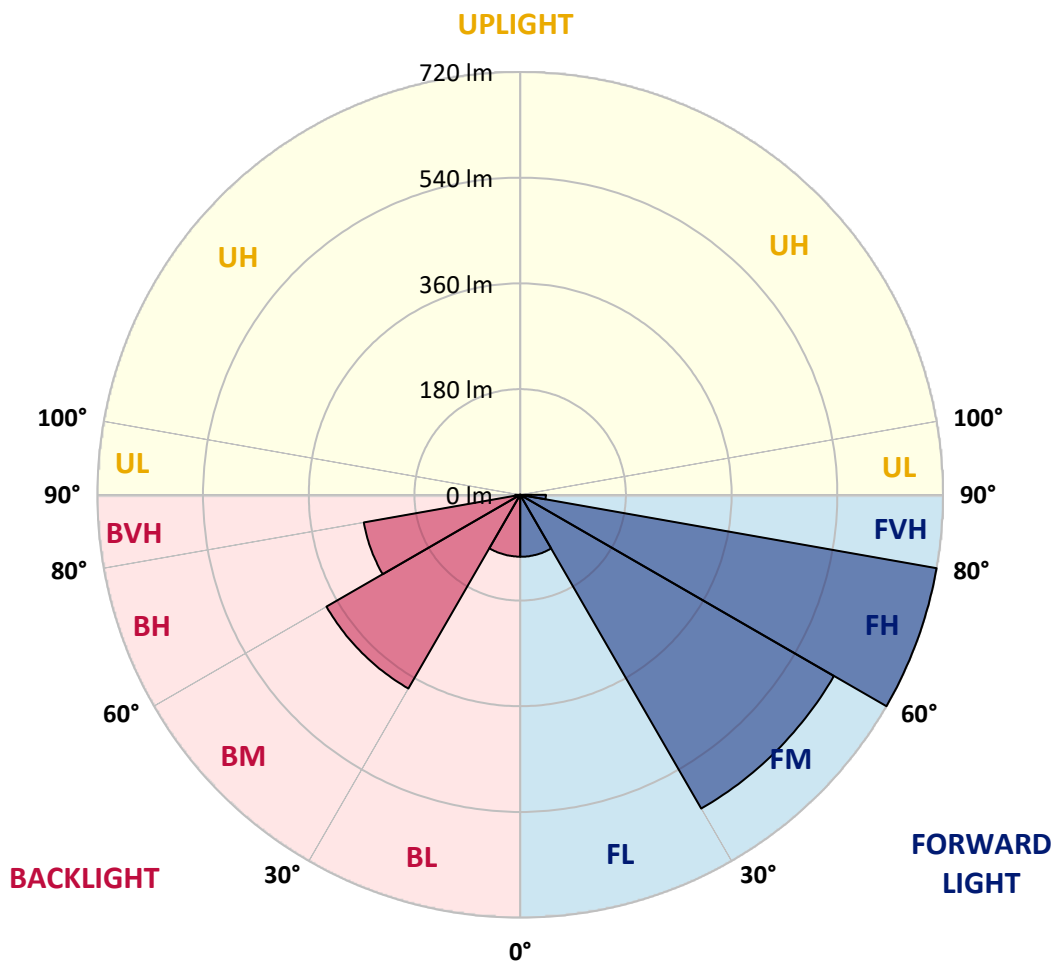
CATALOG NUMBER: OVF-F01-LED-E-U-T3-7030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 105.6  | 4.7       |                         |      |         |
| FM   | (30°-60°)   | 616.9  | 27.4      |                         |      |         |
| FH   | (60°-80°)   | 720.2  | 32.0      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 43.8   | 1.9       |                         |      | G1/100  |
| BL   | (0°-30°)    | 105.2  | 4.7       | B0/110                  |      |         |
| BM   | (30°-60°)   | 380.9  | 16.9      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 270.4  | 12.0      | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 8.3    | 0.4       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°    |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°    | 242.3 | 242.3 | 242.3 | 242.3 | 242.3 | 242.3 | 242.3 | 242.3 | 242.3 | 242.3 | 242.3  |
| 2.5°  | 242.0 | 241.9 | 241.7 | 241.7 | 241.6 | 241.7 | 241.9 | 242.0 | 241.9 | 242.0 | 241.9  |
| 5°    | 241.6 | 241.6 | 241.4 | 241.4 | 241.4 | 241.4 | 241.6 | 241.7 | 241.6 | 241.9 | 241.6  |
| 7.5°  | 239.6 | 240.5 | 240.2 | 240.5 | 240.8 | 241.1 | 241.3 | 241.6 | 242.0 | 242.3 | 242.0  |
| 10°   | 237.1 | 237.5 | 237.7 | 238.0 | 238.6 | 239.3 | 239.9 | 240.7 | 241.7 | 242.0 | 242.3  |
| 12.5° | 232.4 | 233.0 | 233.4 | 234.0 | 234.9 | 236.2 | 237.2 | 238.4 | 240.2 | 241.4 | 242.5  |
| 15°   | 228.9 | 229.7 | 229.8 | 230.6 | 231.5 | 232.8 | 234.2 | 236.0 | 238.4 | 240.5 | 242.6  |
| 17.5° | 231.2 | 231.5 | 231.2 | 231.2 | 231.5 | 232.1 | 233.1 | 234.6 | 237.2 | 239.8 | 242.3  |
| 20°   | 238.0 | 238.0 | 237.7 | 237.5 | 237.2 | 236.6 | 236.5 | 236.3 | 238.0 | 239.9 | 242.2  |
| 22.5° | 244.4 | 244.4 | 244.3 | 244.9 | 244.7 | 244.7 | 244.3 | 243.5 | 242.8 | 242.5 | 244.0  |
| 25°   | 248.5 | 249.1 | 249.4 | 250.3 | 250.9 | 251.8 | 252.1 | 252.0 | 250.9 | 249.1 | 248.7  |
| 27.5° | 255.2 | 255.6 | 255.9 | 257.0 | 258.2 | 259.2 | 260.3 | 261.6 | 261.6 | 260.0 | 257.7  |
| 30°   | 268.0 | 267.4 | 267.7 | 268.0 | 269.0 | 270.5 | 271.9 | 273.7 | 274.6 | 274.0 | 271.0  |
| 32.5° | 279.9 | 280.5 | 280.8 | 281.7 | 282.7 | 285.0 | 286.7 | 288.8 | 290.7 | 291.0 | 289.5  |
| 35°   | 297.4 | 297.1 | 296.6 | 299.8 | 301.0 | 303.6 | 305.5 | 308.5 | 310.0 | 311.4 | 310.5  |
| 37.5° | 325.0 | 324.1 | 323.5 | 324.4 | 326.0 | 327.7 | 330.6 | 332.8 | 335.4 | 338.5 | 337.5  |
| 40°   | 364.0 | 365.8 | 363.3 | 364.5 | 365.8 | 362.1 | 364.6 | 366.7 | 371.1 | 371.3 | 371.1  |
| 42.5° | 414.8 | 416.2 | 415.6 | 416.4 | 413.9 | 412.7 | 411.7 | 412.7 | 418.2 | 417.4 | 413.8  |
| 45°   | 465.7 | 467.6 | 467.2 | 467.5 | 472.2 | 470.2 | 471.8 | 472.2 | 477.7 | 476.2 | 473.5  |
| 47.5° | 509.1 | 512.4 | 513.2 | 515.9 | 522.2 | 527.3 | 534.4 | 539.7 | 542.4 | 544.2 | 546.3  |
| 50°   | 543.5 | 545.9 | 550.1 | 556.9 | 566.1 | 575.0 | 591.0 | 601.4 | 610.9 | 617.5 | 624.3  |
| 52.5° | 566.2 | 569.0 | 575.4 | 585.7 | 599.0 | 615.3 | 634.0 | 655.7 | 675.7 | 687.5 | 697.6  |
| 55°   | 575.6 | 578.3 | 586.3 | 599.7 | 617.4 | 638.2 | 665.0 | 695.6 | 722.3 | 749.3 | 764.9  |
| 57.5° | 570.2 | 573.2 | 582.4 | 597.5 | 618.7 | 646.0 | 679.3 | 716.9 | 756.0 | 796.8 | 828.0  |
| 60°   | 554.2 | 556.9 | 567.3 | 583.0 | 607.3 | 638.0 | 678.0 | 725.0 | 779.9 | 840.6 | 899.8  |
| 62.5° | 532.2 | 536.2 | 545.4 | 561.4 | 585.6 | 619.2 | 664.7 | 725.9 | 804.7 | 902.4 | 1017.7 |
| 65°   | 504.1 | 507.1 | 515.3 | 527.9 | 554.5 | 589.6 | 637.7 | 712.7 | 815.5 | 954.1 | 1118.8 |
| 66°   | 489.6 | 492.5 | 500.0 | 512.0 | 536.2 | 570.0 | 618.1 | 694.9 | 803.5 | 953.8 | 1129.5 |
| 67.5° | 464.2 | 465.5 | 470.9 | 482.7 | 498.5 | 528.9 | 573.5 | 645.4 | 752.3 | 913.5 | 1099.6 |
| 70°   | 389.4 | 391.3 | 396.6 | 402.6 | 408.5 | 419.4 | 450.6 | 498.1 | 583.6 | 738.2 | 915.6  |
| 72.5° | 269.3 | 272.3 | 278.1 | 289.2 | 298.4 | 312.2 | 324.4 | 340.2 | 368.6 | 475.9 | 655.1  |
| 75°   | 194.7 | 195.7 | 204.2 | 223.8 | 242.3 | 269.8 | 294.1 | 301.7 | 292.1 | 290.4 | 384.8  |
| 77.5° | 116.1 | 117.6 | 129.8 | 149.6 | 168.9 | 206.1 | 255.9 | 294.4 | 315.6 | 308.1 | 291.3  |
| 80°   | 48.9  | 51.0  | 58.2  | 63.3  | 79.3  | 110.5 | 159.7 | 220.0 | 276.1 | 310.6 | 302.8  |
| 82.5° | 15.7  | 18.2  | 21.6  | 26.1  | 30.8  | 41.2  | 63.8  | 95.5  | 150.8 | 224.8 | 276.4  |
| 85°   | 5.7   | 5.9   | 8.1   | 11.3  | 12.5  | 14.5  | 18.5  | 28.7  | 51.0  | 84.3  | 156.8  |
| 87.5° | 2.3   | 2.7   | 3.2   | 4.4   | 4.5   | 4.7   | 5.3   | 6.8   | 6.6   | 5.7   | 29.7   |
| 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):**

|       | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 242.3  | 242.3  | 242.3  | 242.3  | 242.3  | 242.3  | 242.3  | 242.3  | 242.3  | 242.3  | 242.3  |
| 2.5°  | 242.0  | 242.3  | 242.2  | 242.3  | 242.3  | 242.0  | 242.0  | 242.6  | 242.2  | 242.5  | 242.5  |
| 5°    | 241.9  | 242.2  | 242.0  | 242.3  | 242.3  | 242.2  | 242.2  | 243.1  | 242.9  | 243.4  | 243.7  |
| 7.5°  | 242.5  | 242.6  | 242.5  | 242.5  | 242.9  | 242.8  | 242.9  | 243.2  | 244.0  | 244.7  | 245.3  |
| 10°   | 243.2  | 243.5  | 244.0  | 244.1  | 244.7  | 244.6  | 245.0  | 245.5  | 246.3  | 247.0  | 247.8  |
| 12.5° | 244.3  | 245.2  | 246.6  | 246.9  | 247.5  | 247.9  | 248.7  | 249.1  | 249.7  | 250.9  | 251.8  |
| 15°   | 245.2  | 246.9  | 248.5  | 249.1  | 249.7  | 250.3  | 251.1  | 251.5  | 252.6  | 253.6  | 254.7  |
| 17.5° | 245.5  | 247.5  | 249.6  | 250.3  | 250.9  | 252.0  | 252.9  | 253.8  | 255.0  | 256.4  | 257.6  |
| 20°   | 245.7  | 248.4  | 251.1  | 252.0  | 253.3  | 254.8  | 256.4  | 257.1  | 258.8  | 260.4  | 261.5  |
| 22.5° | 247.0  | 250.3  | 254.1  | 255.8  | 257.1  | 259.8  | 261.8  | 263.0  | 265.0  | 266.3  | 266.8  |
| 25°   | 250.8  | 254.2  | 258.8  | 261.3  | 263.6  | 267.5  | 269.9  | 272.2  | 273.2  | 275.1  | 274.6  |
| 27.5° | 257.6  | 260.3  | 266.2  | 269.6  | 272.5  | 277.6  | 282.3  | 284.4  | 286.1  | 287.0  | 285.9  |
| 30°   | 269.2  | 270.2  | 276.7  | 280.9  | 285.8  | 293.8  | 298.9  | 301.6  | 303.7  | 303.9  | 301.1  |
| 32.5° | 286.5  | 284.9  | 290.6  | 296.6  | 303.0  | 312.6  | 319.5  | 322.4  | 324.1  | 324.2  | 318.2  |
| 35°   | 310.0  | 307.2  | 312.0  | 317.9  | 325.7  | 338.4  | 347.1  | 350.5  | 353.0  | 351.8  | 342.9  |
| 37.5° | 339.7  | 339.6  | 341.9  | 349.4  | 358.3  | 374.6  | 383.8  | 385.6  | 385.4  | 381.8  | 368.4  |
| 40°   | 372.8  | 370.1  | 370.4  | 375.8  | 386.0  | 407.5  | 420.3  | 423.3  | 422.2  | 417.0  | 399.5  |
| 42.5° | 414.4  | 413.2  | 409.1  | 412.0  | 421.5  | 447.6  | 463.1  | 466.1  | 467.0  | 458.3  | 437.6  |
| 45°   | 472.8  | 471.7  | 462.7  | 463.3  | 470.2  | 497.6  | 513.8  | 518.7  | 518.9  | 510.6  | 483.8  |
| 47.5° | 543.5  | 542.6  | 532.0  | 529.0  | 532.5  | 556.9  | 577.0  | 578.0  | 578.3  | 566.9  | 539.0  |
| 50°   | 623.7  | 621.1  | 613.1  | 610.0  | 605.9  | 632.9  | 649.0  | 648.9  | 647.2  | 634.6  | 603.2  |
| 52.5° | 701.2  | 706.9  | 703.9  | 697.7  | 697.9  | 717.3  | 732.6  | 724.1  | 725.2  | 713.1  | 677.1  |
| 55°   | 784.0  | 798.6  | 809.6  | 811.9  | 810.8  | 820.8  | 829.2  | 814.2  | 808.6  | 806.6  | 768.3  |
| 57.5° | 871.9  | 909.3  | 943.2  | 957.4  | 952.0  | 970.2  | 977.8  | 962.1  | 962.4  | 977.8  | 944.8  |
| 60°   | 989.4  | 1083.8 | 1169.3 | 1195.8 | 1208.2 | 1238.4 | 1224.9 | 1224.0 | 1247.7 | 1267.6 | 1206.4 |
| 62.5° | 1167.6 | 1324.0 | 1460.5 | 1480.2 | 1490.2 | 1497.0 | 1490.9 | 1474.5 | 1498.9 | 1501.4 | 1407.0 |
| 65°   | 1302.7 | 1486.3 | 1618.2 | 1643.0 | 1641.1 | 1606.6 | 1573.1 | 1540.3 | 1540.0 | 1515.8 | 1394.3 |
| 66°   | 1317.4 | 1501.7 | 1630.3 | 1652.2 | 1644.2 | 1590.9 | 1548.4 | 1505.7 | 1492.0 | 1455.8 | 1332.5 |
| 67.5° | 1285.4 | 1474.8 | 1602.5 | 1622.1 | 1605.1 | 1524.1 | 1466.2 | 1408.5 | 1387.8 | 1337.4 | 1211.7 |
| 70°   | 1098.9 | 1294.0 | 1464.9 | 1493.2 | 1473.0 | 1365.5 | 1279.7 | 1216.2 | 1159.9 | 1110.3 | 1006.6 |
| 72.5° | 852.0  | 998.0  | 1178.8 | 1208.3 | 1210.0 | 1125.9 | 1029.2 | 968.3  | 902.8  | 853.1  | 775.3  |
| 75°   | 558.9  | 669.2  | 768.6  | 758.7  | 761.5  | 695.3  | 637.7  | 587.1  | 527.8  | 488.6  | 451.5  |
| 77.5° | 326.6  | 366.1  | 357.1  | 332.4  | 311.6  | 244.9  | 175.2  | 120.3  | 105.0  | 109.5  | 123.5  |
| 80°   | 284.0  | 261.8  | 204.9  | 180.2  | 163.9  | 111.3  | 59.9   | 42.2   | 37.1   | 37.5   | 39.8   |
| 82.5° | 305.7  | 317.1  | 260.3  | 214.3  | 186.8  | 131.0  | 70.4   | 35.1   | 25.3   | 29.6   | 32.6   |
| 85°   | 237.2  | 301.9  | 278.4  | 235.2  | 197.8  | 139.3  | 71.9   | 22.3   | 15.1   | 20.2   | 25.5   |
| 87.5° | 67.6   | 106.9  | 85.5   | 75.6   | 60.9   | 41.6   | 17.2   | 8.9    | 8.1    | 10.6   | 14.6   |
| 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°    | 242.3  | 242.3  | 242.3 | 242.3 | 242.3 | 242.3 | 242.3 | 242.3 | 242.3 | 242.3 | 242.3 |
| 2.5°  | 242.6  | 242.6  | 243.1 | 243.2 | 243.4 | 243.4 | 243.7 | 243.7 | 243.8 | 244.4 | 244.3 |
| 5°    | 244.1  | 244.6  | 245.2 | 245.5 | 246.0 | 246.1 | 246.6 | 246.6 | 247.0 | 247.5 | 247.3 |
| 7.5°  | 246.0  | 246.4  | 246.9 | 247.3 | 247.8 | 248.4 | 248.2 | 248.1 | 247.9 | 247.6 | 247.3 |
| 10°   | 248.5  | 249.0  | 249.4 | 249.3 | 249.0 | 248.7 | 247.5 | 246.1 | 245.5 | 244.3 | 243.4 |
| 12.5° | 252.7  | 253.2  | 252.7 | 251.5 | 249.9 | 247.9 | 245.3 | 243.1 | 241.7 | 239.9 | 238.9 |
| 15°   | 255.9  | 256.4  | 255.5 | 253.3 | 250.6 | 248.1 | 244.6 | 241.7 | 239.3 | 237.4 | 235.8 |
| 17.5° | 258.3  | 258.0  | 256.1 | 253.6 | 250.8 | 248.7 | 245.5 | 242.3 | 239.5 | 236.8 | 234.6 |
| 20°   | 261.8  | 260.1  | 257.3 | 254.2 | 251.4 | 249.6 | 247.0 | 244.1 | 241.1 | 237.2 | 234.5 |
| 22.5° | 266.3  | 263.3  | 259.5 | 256.5 | 253.8 | 252.0 | 249.4 | 246.7 | 243.8 | 239.3 | 235.5 |
| 25°   | 272.8  | 268.0  | 263.6 | 260.4 | 258.0 | 256.2 | 253.0 | 250.2 | 247.0 | 242.5 | 237.7 |
| 27.5° | 281.8  | 274.9  | 270.4 | 267.2 | 264.8 | 262.7 | 258.6 | 255.2 | 251.1 | 246.6 | 240.8 |
| 30°   | 293.6  | 285.2  | 280.2 | 277.5 | 274.9 | 271.9 | 267.5 | 262.4 | 257.1 | 251.1 | 244.9 |
| 32.5° | 308.2  | 298.7  | 294.1 | 291.3 | 288.0 | 284.0 | 278.2 | 271.4 | 263.6 | 255.6 | 247.9 |
| 35°   | 329.0  | 318.2  | 313.1 | 308.4 | 303.6 | 297.5 | 288.9 | 279.1 | 268.7 | 258.3 | 248.8 |
| 37.5° | 349.7  | 339.6  | 333.3 | 328.4 | 320.9 | 311.1 | 299.2 | 285.6 | 271.7 | 258.5 | 247.0 |
| 40°   | 379.0  | 367.2  | 359.8 | 351.2 | 339.0 | 323.8 | 306.4 | 288.2 | 271.0 | 255.0 | 241.4 |
| 42.5° | 414.8  | 401.4  | 390.4 | 374.9 | 355.9 | 333.9 | 309.9 | 286.7 | 265.7 | 247.3 | 232.4 |
| 45°   | 460.2  | 442.7  | 424.3 | 399.9 | 370.8 | 340.1 | 309.7 | 281.4 | 256.7 | 235.8 | 221.1 |
| 47.5° | 513.2  | 488.6  | 457.7 | 420.4 | 380.6 | 341.6 | 304.9 | 271.9 | 243.1 | 220.2 | 203.1 |
| 50°   | 567.6  | 532.0  | 488.1 | 436.3 | 385.6 | 337.8 | 294.2 | 256.4 | 225.3 | 199.2 | 180.8 |
| 52.5° | 634.7  | 579.5  | 515.7 | 447.0 | 383.5 | 326.6 | 276.4 | 234.5 | 201.3 | 175.8 | 154.7 |
| 55°   | 714.6  | 634.1  | 542.0 | 452.8 | 374.1 | 306.6 | 249.4 | 205.8 | 171.0 | 147.8 | 128.8 |
| 57.5° | 846.9  | 719.6  | 586.8 | 461.6 | 355.7 | 276.7 | 216.5 | 171.5 | 138.7 | 119.0 | 103.7 |
| 60°   | 1074.9 | 895.0  | 681.5 | 483.2 | 330.2 | 234.2 | 174.8 | 134.4 | 107.4 | 91.5  | 80.8  |
| 62.5° | 1234.0 | 1001.3 | 732.4 | 475.8 | 287.0 | 184.4 | 129.2 | 96.1  | 78.3  | 67.9  | 60.6  |
| 65°   | 1203.1 | 959.4  | 671.1 | 404.1 | 224.8 | 130.4 | 86.0  | 65.0  | 54.9  | 48.4  | 44.8  |
| 66°   | 1147.6 | 913.1  | 624.3 | 362.8 | 195.0 | 108.7 | 70.9  | 53.8  | 47.2  | 42.5  | 40.1  |
| 67.5° | 1046.4 | 817.2  | 540.3 | 291.2 | 146.0 | 80.2  | 53.8  | 41.9  | 38.3  | 35.9  | 34.2  |
| 70°   | 866.3  | 646.2  | 372.0 | 172.1 | 77.2  | 44.9  | 34.2  | 30.9  | 29.3  | 28.2  | 28.0  |
| 72.5° | 664.3  | 463.6  | 215.2 | 83.2  | 41.3  | 29.9  | 26.2  | 25.0  | 24.4  | 24.1  | 24.1  |
| 75°   | 410.3  | 261.5  | 96.2  | 41.8  | 28.5  | 24.4  | 22.8  | 22.2  | 22.0  | 22.0  | 22.0  |
| 77.5° | 144.3  | 91.1   | 43.1  | 30.6  | 25.0  | 22.0  | 20.7  | 20.4  | 20.7  | 20.7  | 20.7  |
| 80°   | 39.8   | 35.1   | 31.2  | 27.1  | 22.6  | 20.4  | 19.2  | 19.0  | 19.6  | 19.8  | 19.2  |
| 82.5° | 31.1   | 29.3   | 26.7  | 24.3  | 20.7  | 18.5  | 17.9  | 18.2  | 18.5  | 18.1  | 17.2  |
| 85°   | 26.5   | 25.3   | 18.7  | 18.7  | 16.7  | 16.1  | 16.0  | 16.3  | 16.1  | 14.9  | 13.7  |
| 87.5° | 15.1   | 13.3   | 10.1  | 11.0  | 11.8  | 12.1  | 10.1  | 10.9  | 10.7  | 9.5   | 8.9   |
| 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°    | 242.3 | 242.3 | 242.3 | 242.3 | 242.3 |
| 2.5°  | 244.6 | 244.6 | 244.9 | 244.9 | 244.7 |
| 5°    | 247.6 | 247.6 | 248.1 | 247.8 | 247.9 |
| 7.5°  | 247.0 | 246.4 | 246.4 | 246.1 | 246.0 |
| 10°   | 242.8 | 241.7 | 241.1 | 241.4 | 241.0 |
| 12.5° | 238.0 | 237.1 | 236.5 | 236.3 | 236.2 |
| 15°   | 234.9 | 233.9 | 233.4 | 233.1 | 233.1 |
| 17.5° | 233.3 | 232.1 | 231.5 | 231.0 | 230.9 |
| 20°   | 232.5 | 231.0 | 230.1 | 229.7 | 229.4 |
| 22.5° | 232.8 | 231.0 | 229.8 | 229.2 | 228.9 |
| 25°   | 234.0 | 231.8 | 230.3 | 229.5 | 229.1 |
| 27.5° | 236.2 | 233.1 | 231.5 | 230.4 | 229.8 |
| 30°   | 238.7 | 234.5 | 232.1 | 230.6 | 230.0 |
| 32.5° | 240.4 | 234.6 | 231.6 | 229.4 | 228.8 |
| 35°   | 240.1 | 233.0 | 229.1 | 226.2 | 225.7 |
| 37.5° | 237.1 | 228.6 | 223.8 | 220.0 | 219.6 |
| 40°   | 230.6 | 222.0 | 216.4 | 212.6 | 211.7 |
| 42.5° | 221.5 | 212.6 | 206.6 | 203.1 | 201.9 |
| 45°   | 208.3 | 197.4 | 191.8 | 189.0 | 187.3 |
| 47.5° | 189.6 | 179.3 | 173.1 | 170.7 | 168.6 |
| 50°   | 168.3 | 157.0 | 152.5 | 149.7 | 147.3 |
| 52.5° | 143.3 | 133.6 | 130.1 | 127.6 | 125.6 |
| 55°   | 119.0 | 112.2 | 108.1 | 105.4 | 105.6 |
| 57.5° | 95.6  | 91.5  | 89.3  | 86.4  | 86.7  |
| 60°   | 75.2  | 71.8  | 71.8  | 70.0  | 69.4  |
| 62.5° | 57.5  | 56.1  | 55.6  | 55.0  | 54.0  |
| 65°   | 43.6  | 43.6  | 43.7  | 43.7  | 43.1  |
| 66°   | 39.2  | 39.7  | 40.3  | 40.3  | 39.5  |
| 67.5° | 33.9  | 34.5  | 35.1  | 35.4  | 35.4  |
| 70°   | 28.0  | 28.8  | 29.1  | 29.4  | 29.3  |
| 72.5° | 24.6  | 25.2  | 25.2  | 25.3  | 25.0  |
| 75°   | 22.3  | 22.6  | 22.8  | 22.5  | 22.3  |
| 77.5° | 20.7  | 20.8  | 20.7  | 20.5  | 20.4  |
| 80°   | 18.7  | 18.5  | 18.1  | 17.5  | 17.3  |
| 82.5° | 16.1  | 15.5  | 15.2  | 14.3  | 14.2  |
| 85°   | 13.0  | 12.2  | 11.6  | 10.4  | 9.8   |
| 87.5° | 8.6   | 8.3   | 7.8   | 5.7   | 4.7   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)