

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: P588476

Luminaire Tested: **ARC-CA6-60-730-U-33-X-5-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588476  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 11/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARC-CA6-60-730-U-33-X-5-X  
Description: GENERATIONS SERIES AVENUE WITH NO CAGE AND TYPE III REFRACTOR  
Light Source: (6) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8841 lumens  
Efficiency: N/A  
Efficacy: 137.5 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B3 - U4 - G5

Input Watts (W): 64.3  
Input Voltage (V): 120  
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: 25 FT



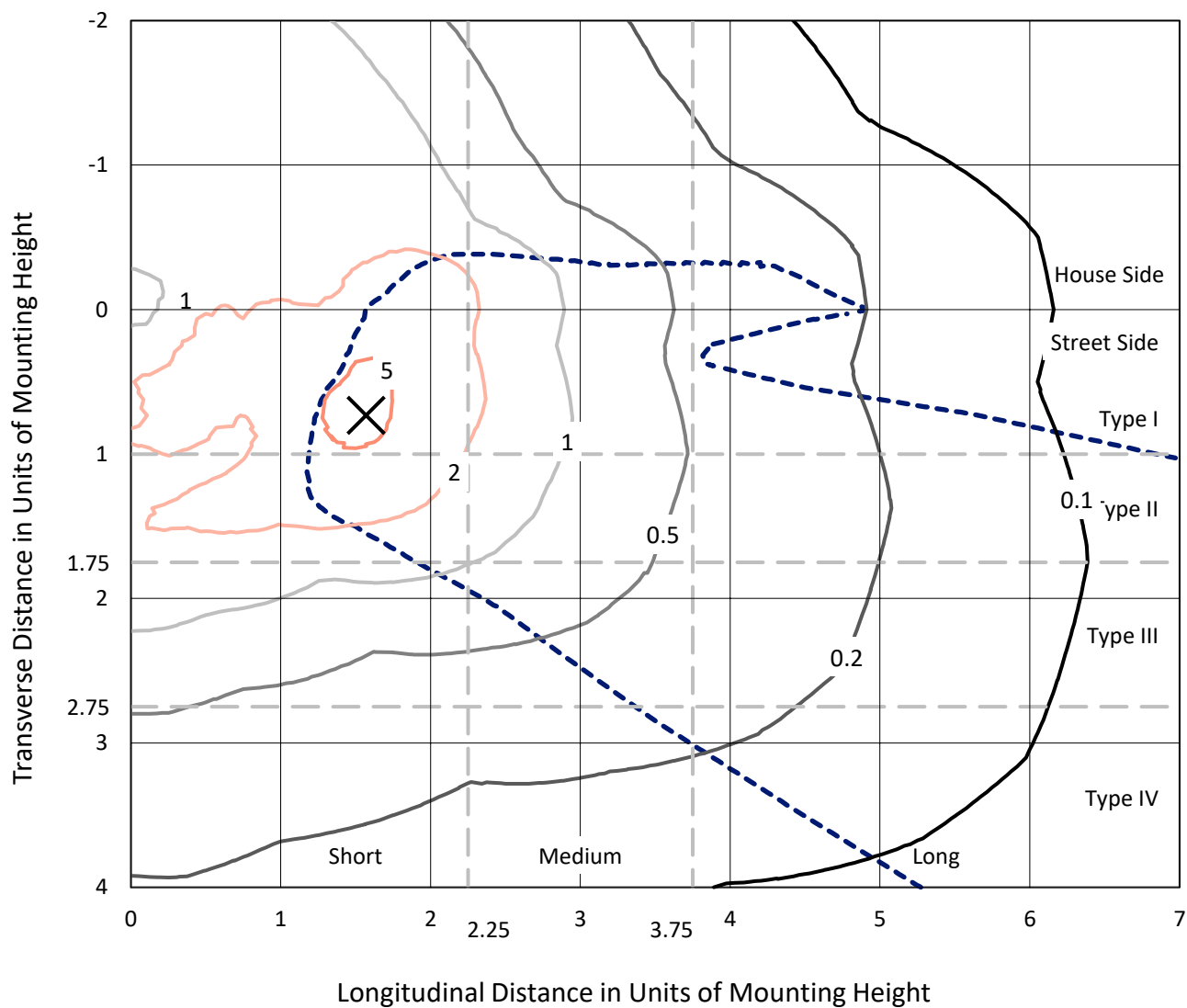
REPORT NUMBER: P588476

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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

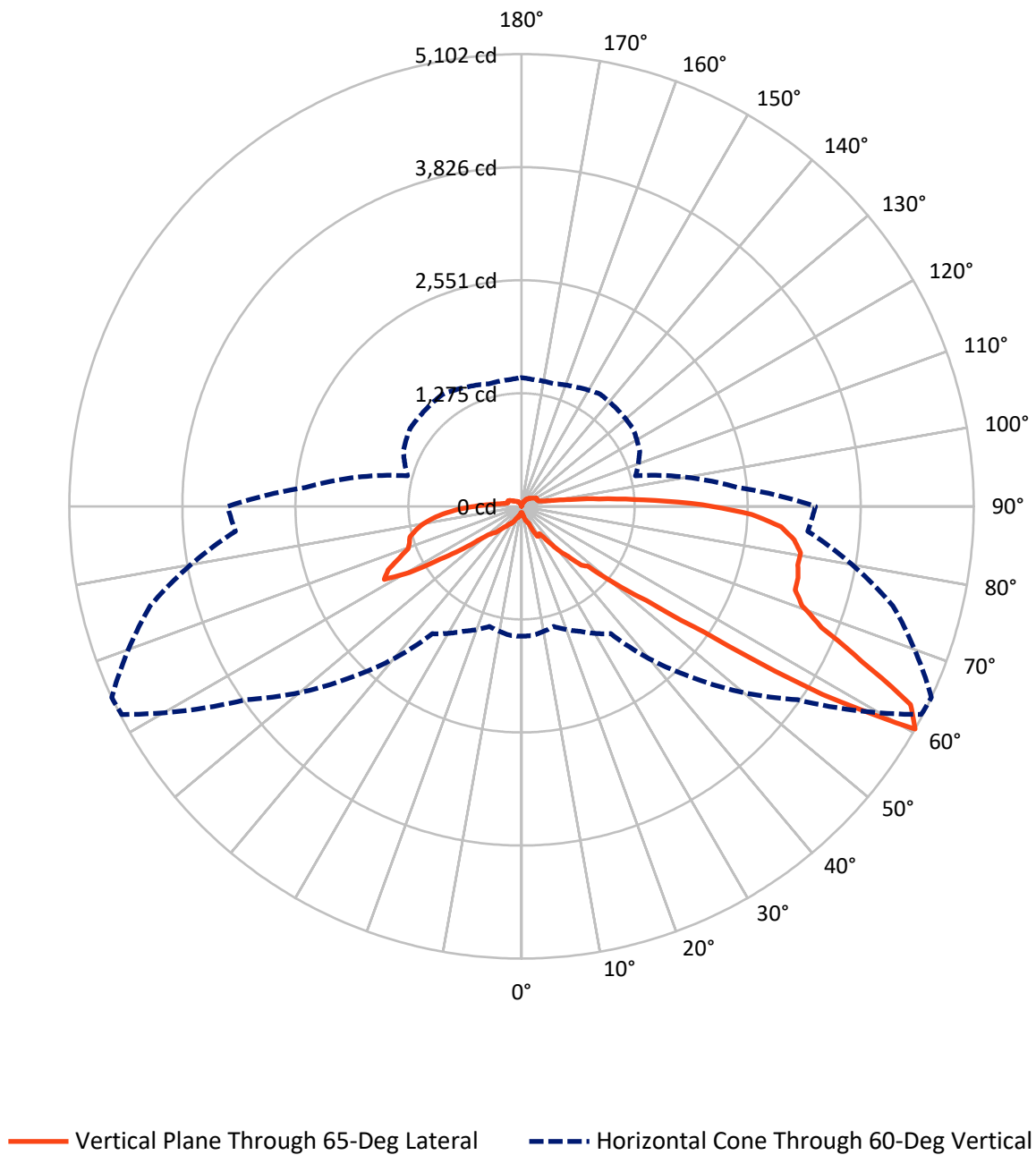


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc  
Type III - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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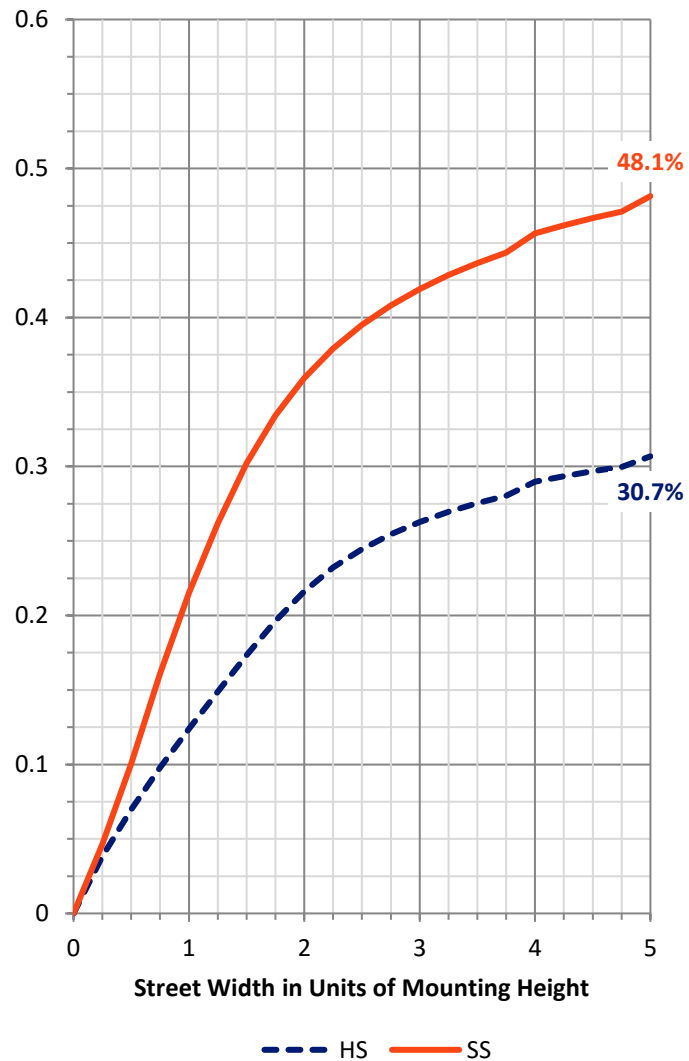
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2948.3   | 472.1  | 3420.4 |
|                    | % Fixture | 33.3     | 5.3    | 38.7   |
| <b>Street Side</b> | Lumens    | 4716.8   | 703.7  | 5420.6 |
|                    | % Fixture | 53.4     | 8.0    | 61.3   |
| <b>Total</b>       | Lumens    | 7665.1   | 1175.9 | 8841.0 |
|                    | % Fixture | 86.7     | 13.3   | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 8.5    | 0.1       |
| 10°-20°   | 37.8   | 0.4       |
| 20°-30°   | 108.0  | 1.2       |
| 30°-40°   | 232.5  | 2.6       |
| 40°-50°   | 440.0  | 5.0       |
| 50°-60°   | 1229.2 | 13.9      |
| 60°-70°   | 2191.4 | 24.8      |
| 70°-80°   | 1918.6 | 21.7      |
| 80°-90°   | 1499.1 | 17.0      |
| 90°-100°  | 566.8  | 6.4       |
| 100°-110° | 194.9  | 2.2       |
| 110°-120° | 159.4  | 1.8       |
| 120°-130° | 107.1  | 1.2       |
| 130°-140° | 73.5   | 0.8       |
| 140°-150° | 46.2   | 0.5       |
| 150°-160° | 21.4   | 0.2       |
| 160°-170° | 6.1    | 0.1       |
| 170°-180° | 0.5    | 0.0       |
| 0°-90°    | 7665.1 | 86.7      |
| 0°-180°   | 8841.0 | 100.0     |

**Coefficient of Utilization**



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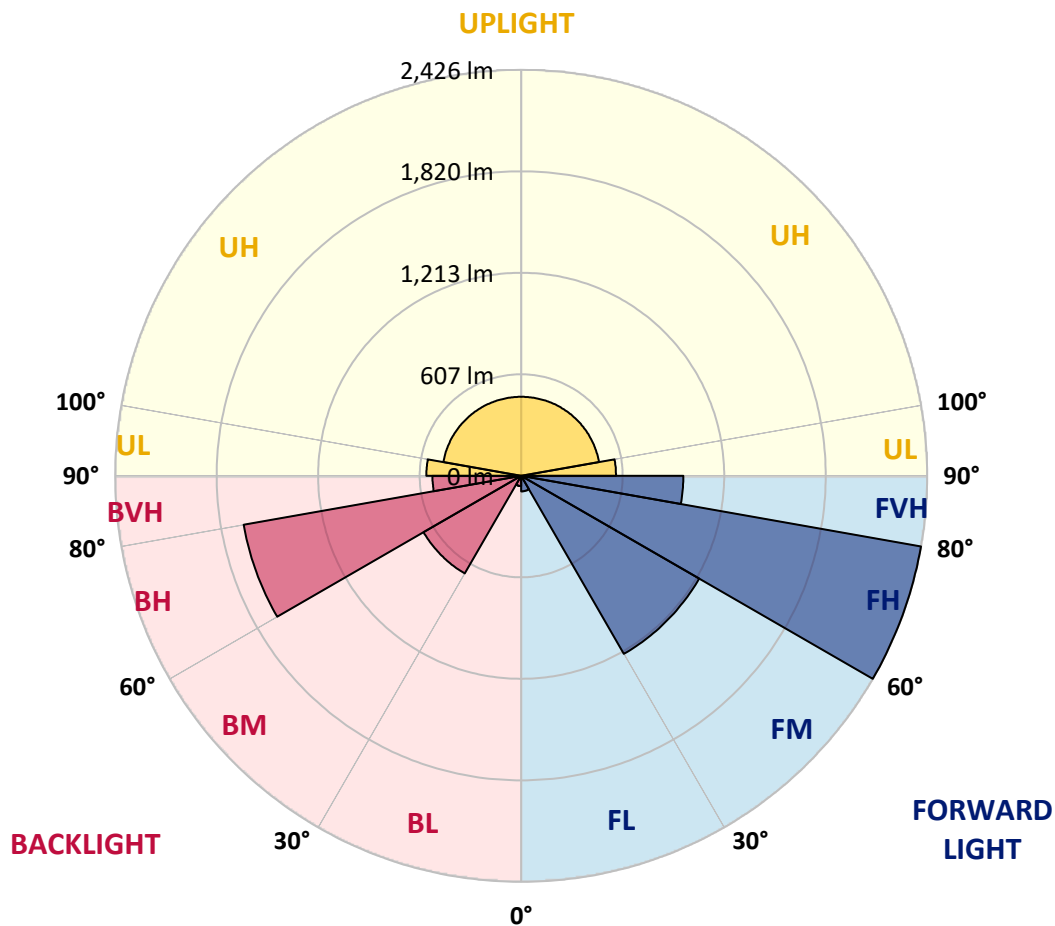
CATALOG NUMBER: ARC-CA6-60-730-U-33-X-5-X

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |         |         |
|------|-------------|--------|-----------|-------------------------|---------|---------|
|      |             |        |           | B                       | U       | G       |
| FL   | (0°-30°)    | 93.2   | 1.1       |                         |         |         |
| FM   | (30°-60°)   | 1228.4 | 13.9      |                         |         |         |
| FH   | (60°-80°)   | 2426.4 | 27.4      |                         |         | G2/5000 |
| FVH  | (80°-90°)   | 969.0  | 11.0      |                         |         | G5      |
| BL   | (0°-30°)    | 61.1   | 0.7       | B0/110                  |         |         |
| BM   | (30°-60°)   | 673.4  | 7.6       | B1/1000                 |         |         |
| BH   | (60°-80°)   | 1683.7 | 19.0      | B3/2500                 |         | G3/2500 |
| BVH  | (80°-90°)   | 530.1  | 6.0       |                         |         | G4/750  |
| UL   | (90°-100°)  | 566.8  | 6.4       |                         | U4/1000 |         |
| UH   | (100°-180°) | 472.1  | 5.3       |                         | U3/500  |         |

**BUG Rating: B3-U4-G5**

Type III Short



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CATALOG NUMBER: ARC-CA6-60-730-U-33-X-5-X

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 62.5°  | 65°    | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 67.6   | 67.6   | 67.6   | 67.6   | 67.6   | 67.6   | 67.6   | 67.6   | 67.6   | 67.6   | 67.6   |
| 2.5°   | 77.9   | 75.7   | 73.4   | 73.4   | 72.2   | 71.1   | 71.1   | 68.8   | 69.9   | 68.8   | 68.8   |
| 5°     | 91.7   | 90.6   | 88.3   | 89.4   | 87.1   | 86.0   | 86.0   | 84.8   | 83.7   | 82.5   | 79.1   |
| 7.5°   | 106.6  | 106.6  | 107.7  | 108.9  | 105.5  | 102.0  | 100.9  | 98.6   | 98.6   | 97.4   | 95.1   |
| 10°    | 122.6  | 121.5  | 116.9  | 116.9  | 114.6  | 112.3  | 113.5  | 112.3  | 112.3  | 112.3  | 107.7  |
| 12.5°  | 127.2  | 126.1  | 122.6  | 122.6  | 122.6  | 121.5  | 126.1  | 124.9  | 126.1  | 124.9  | 118.1  |
| 15°    | 143.3  | 142.1  | 141.0  | 142.1  | 146.7  | 155.9  | 167.3  | 162.8  | 163.9  | 161.6  | 136.4  |
| 17.5°  | 150.2  | 153.6  | 155.9  | 157.0  | 161.6  | 161.6  | 163.9  | 162.8  | 167.3  | 170.8  | 155.9  |
| 20°    | 174.2  | 171.9  | 174.2  | 182.2  | 193.7  | 194.9  | 191.4  | 191.4  | 193.7  | 194.9  | 166.2  |
| 22.5°  | 184.5  | 183.4  | 192.6  | 185.7  | 185.7  | 191.4  | 212.1  | 205.2  | 205.2  | 202.9  | 178.8  |
| 25°    | 239.6  | 244.1  | 253.3  | 264.8  | 292.3  | 300.3  | 323.2  | 298.0  | 301.5  | 265.9  | 227.0  |
| 27.5°  | 287.7  | 291.1  | 345.0  | 393.2  | 414.9  | 403.5  | 423.0  | 376.0  | 380.5  | 385.1  | 331.3  |
| 30°    | 302.6  | 309.5  | 387.4  | 423.0  | 451.6  | 428.7  | 453.9  | 392.0  | 388.6  | 414.9  | 393.2  |
| 32.5°  | 291.1  | 298.0  | 380.5  | 395.4  | 425.2  | 510.1  | 478.0  | 378.3  | 367.9  | 380.5  | 406.9  |
| 35°    | 319.8  | 324.4  | 373.7  | 338.1  | 365.6  | 713.0  | 625.8  | 441.3  | 420.7  | 350.7  | 389.7  |
| 37.5°  | 384.0  | 384.0  | 442.4  | 467.7  | 488.3  | 841.3  | 821.8  | 549.0  | 533.0  | 410.3  | 450.5  |
| 40°    | 465.4  | 463.1  | 535.3  | 552.5  | 561.6  | 762.2  | 993.8  | 700.3  | 664.8  | 482.6  | 586.9  |
| 42.5°  | 514.7  | 510.1  | 568.5  | 586.9  | 586.9  | 645.3  | 1124.4 | 852.8  | 770.3  | 562.8  | 717.5  |
| 45°    | 534.1  | 538.7  | 614.4  | 591.5  | 608.6  | 662.5  | 1264.3 | 1063.7 | 947.9  | 660.2  | 832.2  |
| 47.5°  | 483.7  | 490.6  | 599.5  | 601.8  | 514.7  | 529.6  | 1133.6 | 1105.0 | 1009.8 | 707.2  | 868.8  |
| 50°    | 593.7  | 598.3  | 637.3  | 610.9  | 568.5  | 670.5  | 1350.2 | 1420.2 | 1378.9 | 875.7  | 917.0  |
| 52.5°  | 815.0  | 835.6  | 872.3  | 895.2  | 882.6  | 1126.7 | 1811.0 | 1798.4 | 1764.0 | 1314.7 | 1251.7 |
| 55°    | 1055.7 | 1072.9 | 1124.4 | 1263.1 | 1368.6 | 1687.2 | 2252.3 | 2516.0 | 2513.7 | 2135.4 | 1950.9 |
| 57.5°  | 1274.6 | 1275.7 | 1282.6 | 1453.4 | 1616.2 | 2203.0 | 2950.4 | 3918.9 | 4006.0 | 3411.2 | 2793.3 |
| 60°    | 1464.9 | 1461.4 | 1403.0 | 1555.4 | 1753.7 | 2731.4 | 3803.2 | 5084.6 | 5101.8 | 4337.3 | 3240.4 |
| 62.5°  | 1516.5 | 1506.1 | 1421.3 | 1563.4 | 1733.1 | 2741.8 | 4020.9 | 4945.9 | 4926.5 | 4402.6 | 3298.8 |
| 65°    | 1471.7 | 1461.4 | 1353.7 | 1480.9 | 1561.2 | 2491.9 | 3713.8 | 4253.6 | 4221.5 | 4022.1 | 3140.6 |
| 67.5°  | 1405.3 | 1412.1 | 1305.5 | 1403.0 | 1458.0 | 2337.1 | 3390.5 | 3659.9 | 3650.7 | 3748.1 | 3008.8 |
| 70°    | 1309.0 | 1314.7 | 1217.3 | 1337.6 | 1417.9 | 2238.6 | 3081.0 | 3373.3 | 3357.3 | 3500.6 | 2815.1 |
| 72.5°  | 1312.4 | 1329.6 | 1213.8 | 1304.4 | 1388.1 | 2103.3 | 2941.2 | 3274.8 | 3227.8 | 3249.5 | 2582.4 |
| 75°    | 1321.6 | 1344.5 | 1221.9 | 1303.3 | 1381.2 | 2054.0 | 2925.2 | 3282.8 | 3223.2 | 3159.0 | 2494.2 |
| 77.5°  | 1325.0 | 1358.3 | 1226.5 | 1315.9 | 1383.5 | 1986.4 | 2888.5 | 3242.7 | 3186.5 | 3071.9 | 2389.9 |
| 80°    | 1297.5 | 1333.1 | 1207.0 | 1317.0 | 1368.6 | 1852.3 | 2795.6 | 3235.8 | 3193.4 | 3060.4 | 2347.5 |
| 82.5°  | 1242.5 | 1278.0 | 1169.1 | 1259.7 | 1339.9 | 1715.9 | 2665.0 | 3101.7 | 3099.4 | 2950.4 | 2258.1 |
| 85°    | 1122.2 | 1161.1 | 1078.6 | 1162.3 | 1260.8 | 1534.8 | 2401.3 | 2873.6 | 2936.6 | 2816.3 | 2137.7 |
| 87.5°  | 1006.4 | 1045.4 | 1001.8 | 1048.8 | 1148.5 | 1334.2 | 2063.2 | 2480.4 | 2598.5 | 2498.8 | 1836.2 |
| 90°    | 874.6  | 914.7  | 879.2  | 860.8  | 941.0  | 1064.8 | 1649.4 | 1929.1 | 2040.3 | 1979.5 | 1351.4 |
| 92.5°  | 700.3  | 734.7  | 701.5  | 659.1  | 707.2  | 781.7  | 1225.3 | 1350.2 | 1376.6 | 1318.2 | 886.0  |
| 95°    | 529.6  | 554.8  | 525.0  | 482.6  | 488.3  | 535.3  | 844.8  | 884.9  | 878.0  | 808.1  | 562.8  |
| 97.5°  | 367.9  | 382.8  | 363.4  | 333.6  | 343.9  | 373.7  | 559.4  | 554.8  | 554.8  | 494.0  | 367.9  |
| 100°   | 255.6  | 261.3  | 252.2  | 238.4  | 246.4  | 265.9  | 376.0  | 374.8  | 363.4  | 333.6  | 268.2  |
| 102.5° | 202.9  | 204.0  | 194.9  | 185.7  | 181.1  | 199.4  | 271.7  | 270.5  | 272.8  | 259.0  | 209.8  |
| 105°   | 178.8  | 177.7  | 169.6  | 161.6  | 152.4  | 170.8  | 215.5  | 224.7  | 223.5  | 212.1  | 180.0  |
| 107.5° | 163.9  | 162.8  | 154.7  | 147.9  | 139.8  | 155.9  | 186.8  | 199.4  | 198.3  | 197.2  | 169.6  |
| 110°   | 152.4  | 151.3  | 144.4  | 137.5  | 130.7  | 149.0  | 175.4  | 194.9  | 194.9  | 194.9  | 171.9  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 62.5° | 65°   | 75°   | 85°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 144.4 | 144.4 | 138.7 | 133.0 | 127.2 | 147.9 | 168.5 | 191.4 | 191.4 | 197.2 | 180.0 |
| 115°   | 139.8 | 138.7 | 134.1 | 130.7 | 126.1 | 149.0 | 166.2 | 189.1 | 190.3 | 198.3 | 178.8 |
| 117.5° | 136.4 | 135.3 | 131.8 | 127.2 | 124.9 | 146.7 | 167.3 | 193.7 | 192.6 | 205.2 | 175.4 |
| 120°   | 130.7 | 128.4 | 123.8 | 119.2 | 116.9 | 135.3 | 162.8 | 188.0 | 185.7 | 191.4 | 161.6 |
| 122.5° | 126.1 | 119.2 | 111.2 | 107.7 | 107.7 | 122.6 | 152.4 | 169.6 | 167.3 | 162.8 | 145.6 |
| 125°   | 115.8 | 108.9 | 102.0 | 100.9 | 102.0 | 114.6 | 145.6 | 155.9 | 157.0 | 153.6 | 137.5 |
| 127.5° | 104.3 | 99.7  | 96.3  | 96.3  | 98.6  | 112.3 | 143.3 | 150.2 | 150.2 | 143.3 | 130.7 |
| 130°   | 98.6  | 97.4  | 95.1  | 95.1  | 99.7  | 113.5 | 139.8 | 142.1 | 142.1 | 133.0 | 127.2 |
| 132.5° | 96.3  | 94.0  | 91.7  | 91.7  | 96.3  | 110.0 | 130.7 | 135.3 | 134.1 | 124.9 | 120.4 |
| 135°   | 91.7  | 90.6  | 88.3  | 88.3  | 94.0  | 107.7 | 122.6 | 127.2 | 126.1 | 114.6 | 111.2 |
| 137.5° | 89.4  | 87.1  | 87.1  | 87.1  | 92.8  | 106.6 | 115.8 | 119.2 | 118.1 | 106.6 | 103.2 |
| 140°   | 86.0  | 84.8  | 82.5  | 82.5  | 90.6  | 103.2 | 108.9 | 110.0 | 108.9 | 99.7  | 96.3  |
| 142.5° | 80.2  | 79.1  | 77.9  | 80.2  | 88.3  | 97.4  | 102.0 | 102.0 | 100.9 | 95.1  | 90.6  |
| 145°   | 76.8  | 75.7  | 74.5  | 80.2  | 87.1  | 91.7  | 96.3  | 92.8  | 92.8  | 89.4  | 84.8  |
| 147.5° | 73.4  | 72.2  | 72.2  | 76.8  | 82.5  | 82.5  | 86.0  | 84.8  | 86.0  | 84.8  | 80.2  |
| 150°   | 66.5  | 65.3  | 65.3  | 68.8  | 69.9  | 69.9  | 73.4  | 73.4  | 73.4  | 73.4  | 69.9  |
| 152.5° | 58.5  | 57.3  | 58.5  | 59.6  | 59.6  | 59.6  | 61.9  | 63.0  | 63.0  | 61.9  | 60.7  |
| 155°   | 50.4  | 50.4  | 50.4  | 51.6  | 51.6  | 50.4  | 53.9  | 53.9  | 53.9  | 53.9  | 52.7  |
| 157.5° | 44.7  | 44.7  | 44.7  | 44.7  | 44.7  | 43.6  | 45.8  | 45.8  | 47.0  | 45.8  | 45.8  |
| 160°   | 39.0  | 37.8  | 37.8  | 37.8  | 37.8  | 36.7  | 37.8  | 37.8  | 37.8  | 39.0  | 39.0  |
| 162.5° | 30.9  | 29.8  | 29.8  | 29.8  | 29.8  | 27.5  | 29.8  | 28.7  | 29.8  | 29.8  | 30.9  |
| 165°   | 25.2  | 24.1  | 24.1  | 24.1  | 22.9  | 21.8  | 22.9  | 21.8  | 21.8  | 21.8  | 22.9  |
| 167.5° | 19.5  | 19.5  | 18.3  | 19.5  | 18.3  | 16.0  | 16.0  | 14.9  | 14.9  | 14.9  | 14.9  |
| 170°   | 14.9  | 13.8  | 12.6  | 13.8  | 12.6  | 10.3  | 10.3  | 9.2   | 9.2   | 8.0   | 8.0   |
| 172.5° | 10.3  | 9.2   | 8.0   | 9.2   | 8.0   | 5.7   | 5.7   | 3.4   | 3.4   | 3.4   | 3.4   |
| 175°   | 9.2   | 8.0   | 6.9   | 8.0   | 6.9   | 4.6   | 3.4   | 2.3   | 2.3   | 2.3   | 2.3   |
| 177.5° | 9.2   | 8.0   | 6.9   | 8.0   | 6.9   | 4.6   | 3.4   | 2.3   | 2.3   | 2.3   | 2.3   |
| 180°   | 4.6   | 4.6   | 4.6   | 4.6   | 4.6   | 4.6   | 4.6   | 4.6   | 4.6   | 4.6   | 4.6   |

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**CANDELA DISTRIBUTION (continued):**

|        | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 67.6   | 67.6   | 67.6   | 67.6   | 67.6   | 67.6   | 67.6   | 67.6   | 67.6   | 67.6   | 67.6   |
| 2.5°   | 68.8   | 67.6   | 66.5   | 68.8   | 67.6   | 68.8   | 69.9   | 71.1   | 71.1   | 69.9   | 69.9   |
| 5°     | 79.1   | 77.9   | 75.7   | 74.5   | 72.2   | 72.2   | 72.2   | 74.5   | 74.5   | 73.4   | 74.5   |
| 7.5°   | 94.0   | 91.7   | 88.3   | 86.0   | 82.5   | 82.5   | 81.4   | 83.7   | 84.8   | 82.5   | 83.7   |
| 10°    | 105.5  | 104.3  | 99.7   | 96.3   | 92.8   | 91.7   | 91.7   | 92.8   | 92.8   | 91.7   | 91.7   |
| 12.5°  | 115.8  | 113.5  | 108.9  | 105.5  | 100.9  | 99.7   | 99.7   | 100.9  | 100.9  | 99.7   | 99.7   |
| 15°    | 130.7  | 123.8  | 119.2  | 115.8  | 111.2  | 110.0  | 108.9  | 110.0  | 111.2  | 108.9  | 108.9  |
| 17.5°  | 151.3  | 143.3  | 133.0  | 123.8  | 119.2  | 121.5  | 122.6  | 123.8  | 122.6  | 119.2  | 119.2  |
| 20°    | 162.8  | 158.2  | 144.4  | 137.5  | 131.8  | 131.8  | 131.8  | 131.8  | 131.8  | 130.7  | 131.8  |
| 22.5°  | 170.8  | 163.9  | 146.7  | 142.1  | 138.7  | 141.0  | 143.3  | 144.4  | 144.4  | 143.3  | 143.3  |
| 25°    | 207.5  | 182.2  | 165.1  | 161.6  | 157.0  | 158.2  | 155.9  | 155.9  | 157.0  | 155.9  | 158.2  |
| 27.5°  | 285.4  | 244.1  | 205.2  | 191.4  | 188.0  | 188.0  | 190.3  | 190.3  | 190.3  | 190.3  | 189.1  |
| 30°    | 342.7  | 294.6  | 230.4  | 212.1  | 209.8  | 220.1  | 225.8  | 230.4  | 228.1  | 224.7  | 224.7  |
| 32.5°  | 351.9  | 299.2  | 235.0  | 228.1  | 233.8  | 241.9  | 247.6  | 251.0  | 254.5  | 253.3  | 252.2  |
| 35°    | 332.4  | 276.2  | 231.5  | 240.7  | 245.3  | 249.9  | 251.0  | 248.7  | 259.0  | 263.6  | 264.8  |
| 37.5°  | 371.4  | 309.5  | 269.4  | 276.2  | 270.5  | 265.9  | 268.2  | 269.4  | 283.1  | 290.0  | 296.9  |
| 40°    | 474.5  | 373.7  | 306.0  | 302.6  | 299.2  | 309.5  | 323.2  | 330.1  | 329.0  | 324.4  | 325.5  |
| 42.5°  | 574.3  | 436.7  | 345.0  | 343.9  | 342.7  | 361.1  | 382.8  | 381.7  | 371.4  | 363.4  | 363.4  |
| 45°    | 676.3  | 497.5  | 406.9  | 408.1  | 405.8  | 412.6  | 418.4  | 413.8  | 414.9  | 417.2  | 419.5  |
| 47.5°  | 739.3  | 552.5  | 445.9  | 442.4  | 427.5  | 441.3  | 457.3  | 447.0  | 443.6  | 437.9  | 440.1  |
| 50°    | 754.2  | 566.2  | 468.8  | 494.0  | 480.3  | 470.0  | 452.8  | 445.9  | 458.5  | 467.7  | 474.5  |
| 52.5°  | 980.0  | 699.2  | 585.7  | 625.8  | 607.5  | 570.8  | 567.4  | 555.9  | 569.7  | 570.8  | 578.8  |
| 55°    | 1642.5 | 1121.0 | 806.9  | 845.9  | 847.1  | 834.4  | 891.8  | 859.7  | 831.0  | 818.4  | 813.8  |
| 57.5°  | 2589.3 | 1733.1 | 1044.2 | 1093.5 | 1140.5 | 1185.2 | 1263.1 | 1197.8 | 1115.3 | 1105.0 | 1116.4 |
| 60°    | 3316.0 | 2447.2 | 1331.9 | 1470.6 | 1533.6 | 1535.9 | 1546.3 | 1482.1 | 1431.6 | 1436.2 | 1452.3 |
| 62.5°  | 3471.9 | 3043.2 | 1696.4 | 1753.7 | 1759.5 | 1717.0 | 1735.4 | 1776.6 | 1705.6 | 1649.4 | 1664.3 |
| 65°    | 3367.6 | 3279.3 | 1815.6 | 1666.6 | 1657.4 | 1664.3 | 1789.3 | 1903.9 | 1760.6 | 1618.5 | 1618.5 |
| 67.5°  | 3165.9 | 3099.4 | 1694.1 | 1499.3 | 1524.5 | 1602.4 | 1760.6 | 1817.9 | 1665.5 | 1514.2 | 1514.2 |
| 70°    | 2950.4 | 2817.4 | 1557.7 | 1366.3 | 1428.2 | 1518.7 | 1621.9 | 1626.5 | 1537.1 | 1429.3 | 1422.5 |
| 72.5°  | 2717.7 | 2597.3 | 1499.3 | 1327.3 | 1356.0 | 1372.0 | 1428.2 | 1463.7 | 1453.4 | 1383.5 | 1382.3 |
| 75°    | 2648.9 | 2551.5 | 1498.1 | 1309.0 | 1291.8 | 1286.1 | 1325.0 | 1401.8 | 1437.4 | 1396.1 | 1398.4 |
| 77.5°  | 2544.6 | 2486.2 | 1428.2 | 1232.2 | 1213.8 | 1213.8 | 1234.5 | 1296.4 | 1350.2 | 1333.1 | 1338.8 |
| 80°    | 2472.4 | 2384.1 | 1321.6 | 1148.5 | 1123.3 | 1126.7 | 1129.0 | 1171.4 | 1221.9 | 1224.2 | 1224.2 |
| 82.5°  | 2333.7 | 2167.5 | 1160.0 | 1023.6 | 1006.4 | 1011.0 | 1002.9 | 1027.0 | 1040.8 | 1058.0 | 1054.5 |
| 85°    | 2105.6 | 1870.6 | 980.0  | 887.2  | 859.7  | 850.5  | 843.6  | 844.8  | 852.8  | 849.4  | 835.6  |
| 87.5°  | 1764.0 | 1483.2 | 781.7  | 727.9  | 695.8  | 672.8  | 663.7  | 652.2  | 651.1  | 638.4  | 643.0  |
| 90°    | 1302.1 | 1017.8 | 580.0  | 560.5  | 537.6  | 513.5  | 500.9  | 489.4  | 480.3  | 467.7  | 463.1  |
| 92.5°  | 849.4  | 655.6  | 424.1  | 413.8  | 398.9  | 385.1  | 379.4  | 373.7  | 371.4  | 361.1  | 364.5  |
| 95°    | 530.7  | 443.6  | 318.6  | 307.2  | 299.2  | 295.7  | 296.9  | 298.0  | 295.7  | 284.3  | 287.7  |
| 97.5°  | 354.2  | 320.9  | 248.7  | 240.7  | 232.7  | 231.5  | 232.7  | 235.0  | 236.1  | 228.1  | 230.4  |
| 100°   | 261.3  | 246.4  | 204.0  | 198.3  | 191.4  | 189.1  | 190.3  | 192.6  | 193.7  | 186.8  | 188.0  |
| 102.5° | 207.5  | 200.6  | 176.5  | 174.2  | 166.2  | 163.9  | 166.2  | 167.3  | 168.5  | 163.9  | 163.9  |
| 105°   | 182.2  | 182.2  | 162.8  | 161.6  | 155.9  | 153.6  | 154.7  | 155.9  | 157.0  | 152.4  | 152.4  |
| 107.5° | 175.4  | 176.5  | 157.0  | 158.2  | 154.7  | 153.6  | 155.9  | 158.2  | 157.0  | 153.6  | 152.4  |
| 110°   | 181.1  | 183.4  | 157.0  | 160.5  | 161.6  | 163.9  | 168.5  | 169.6  | 169.6  | 167.3  | 168.5  |

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**CANDELA DISTRIBUTION (continued):**

|        | 90°   | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 186.8 | 190.3 | 154.7 | 162.8 | 170.8 | 176.5 | 184.5 | 189.1 | 186.8 | 185.7 | 186.8 |
| 115°   | 182.2 | 184.5 | 144.4 | 157.0 | 171.9 | 180.0 | 182.2 | 182.2 | 176.5 | 176.5 | 177.7 |
| 117.5° | 176.5 | 181.1 | 134.1 | 144.4 | 154.7 | 161.6 | 160.5 | 157.0 | 150.2 | 147.9 | 154.7 |
| 120°   | 163.9 | 177.7 | 128.4 | 130.7 | 131.8 | 134.1 | 130.7 | 127.2 | 121.5 | 120.4 | 124.9 |
| 122.5° | 151.3 | 163.9 | 118.1 | 115.8 | 114.6 | 114.6 | 113.5 | 112.3 | 108.9 | 110.0 | 114.6 |
| 125°   | 141.0 | 147.9 | 107.7 | 104.3 | 103.2 | 104.3 | 104.3 | 104.3 | 102.0 | 99.7  | 99.7  |
| 127.5° | 133.0 | 135.3 | 102.0 | 97.4  | 96.3  | 96.3  | 96.3  | 97.4  | 96.3  | 92.8  | 92.8  |
| 130°   | 128.4 | 127.2 | 98.6  | 90.6  | 89.4  | 90.6  | 90.6  | 91.7  | 89.4  | 87.1  | 87.1  |
| 132.5° | 119.2 | 116.9 | 94.0  | 86.0  | 84.8  | 86.0  | 86.0  | 86.0  | 83.7  | 81.4  | 81.4  |
| 135°   | 108.9 | 106.6 | 88.3  | 80.2  | 79.1  | 80.2  | 80.2  | 81.4  | 79.1  | 76.8  | 76.8  |
| 137.5° | 100.9 | 98.6  | 82.5  | 75.7  | 74.5  | 74.5  | 75.7  | 75.7  | 74.5  | 72.2  | 72.2  |
| 140°   | 94.0  | 91.7  | 76.8  | 71.1  | 68.8  | 69.9  | 69.9  | 69.9  | 68.8  | 66.5  | 66.5  |
| 142.5° | 88.3  | 87.1  | 71.1  | 65.3  | 63.0  | 64.2  | 64.2  | 65.3  | 63.0  | 60.7  | 60.7  |
| 145°   | 83.7  | 81.4  | 66.5  | 59.6  | 58.5  | 58.5  | 58.5  | 59.6  | 57.3  | 55.0  | 55.0  |
| 147.5° | 79.1  | 76.8  | 60.7  | 53.9  | 52.7  | 52.7  | 52.7  | 52.7  | 51.6  | 49.3  | 48.1  |
| 150°   | 69.9  | 68.8  | 56.2  | 49.3  | 47.0  | 47.0  | 47.0  | 45.8  | 43.6  | 41.3  | 41.3  |
| 152.5° | 59.6  | 58.5  | 49.3  | 43.6  | 41.3  | 41.3  | 40.1  | 40.1  | 37.8  | 36.7  | 35.5  |
| 155°   | 51.6  | 51.6  | 44.7  | 39.0  | 36.7  | 35.5  | 34.4  | 34.4  | 33.2  | 32.1  | 30.9  |
| 157.5° | 45.8  | 44.7  | 40.1  | 35.5  | 30.9  | 30.9  | 29.8  | 29.8  | 28.7  | 27.5  | 26.4  |
| 160°   | 39.0  | 39.0  | 34.4  | 29.8  | 26.4  | 25.2  | 25.2  | 24.1  | 22.9  | 21.8  | 21.8  |
| 162.5° | 30.9  | 30.9  | 27.5  | 24.1  | 20.6  | 20.6  | 19.5  | 19.5  | 18.3  | 17.2  | 16.0  |
| 165°   | 21.8  | 21.8  | 20.6  | 18.3  | 16.0  | 14.9  | 14.9  | 14.9  | 13.8  | 12.6  | 12.6  |
| 167.5° | 14.9  | 14.9  | 13.8  | 12.6  | 11.5  | 10.3  | 11.5  | 11.5  | 10.3  | 9.2   | 9.2   |
| 170°   | 8.0   | 8.0   | 6.9   | 6.9   | 5.7   | 5.7   | 6.9   | 8.0   | 6.9   | 5.7   | 4.6   |
| 172.5° | 3.4   | 3.4   | 3.4   | 3.4   | 2.3   | 3.4   | 4.6   | 5.7   | 4.6   | 3.4   | 3.4   |
| 175°   | 2.3   | 2.3   | 3.4   | 3.4   | 2.3   | 3.4   | 4.6   | 5.7   | 4.6   | 3.4   | 3.4   |
| 177.5° | 2.3   | 2.3   | 3.4   | 3.4   | 2.3   | 3.4   | 4.6   | 5.7   | 4.6   | 3.4   | 3.4   |
| 180°   | 4.6   | 4.6   | 4.6   | 4.6   | 4.6   | 4.6   | 4.6   | 4.6   | 4.6   | 4.6   | 4.6   |

(END OF REPORT)