

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: P560618

Luminaire Tested: **SDL-PA1-50-827-U-SL3-A**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560618  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-50-827-U-SL3-A  
Description: Springdale  
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4400.5 lumens  
Efficiency: N/A  
Efficacy: 84.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U3 - G2

Input Watts (W): 52.4  
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

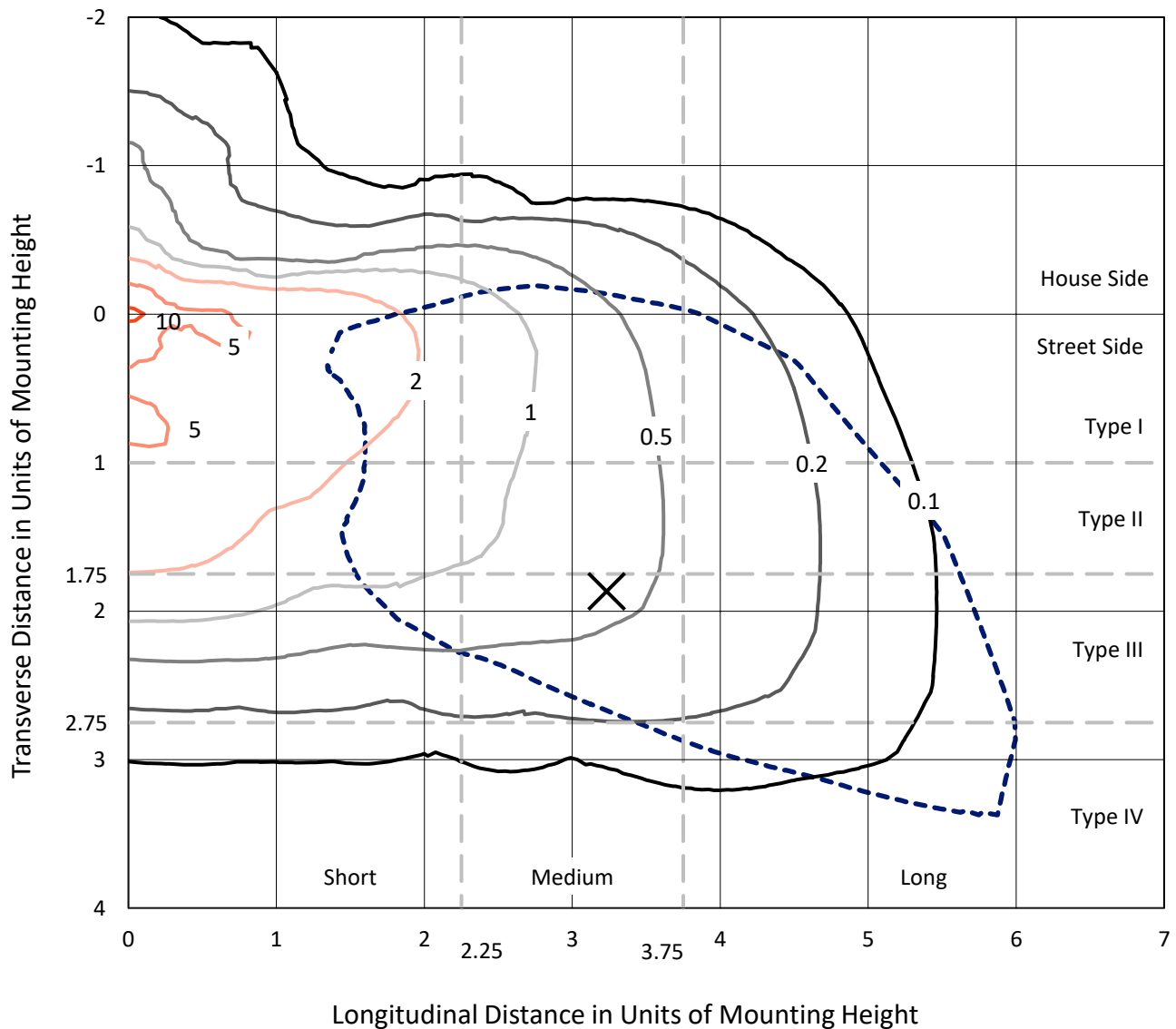


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

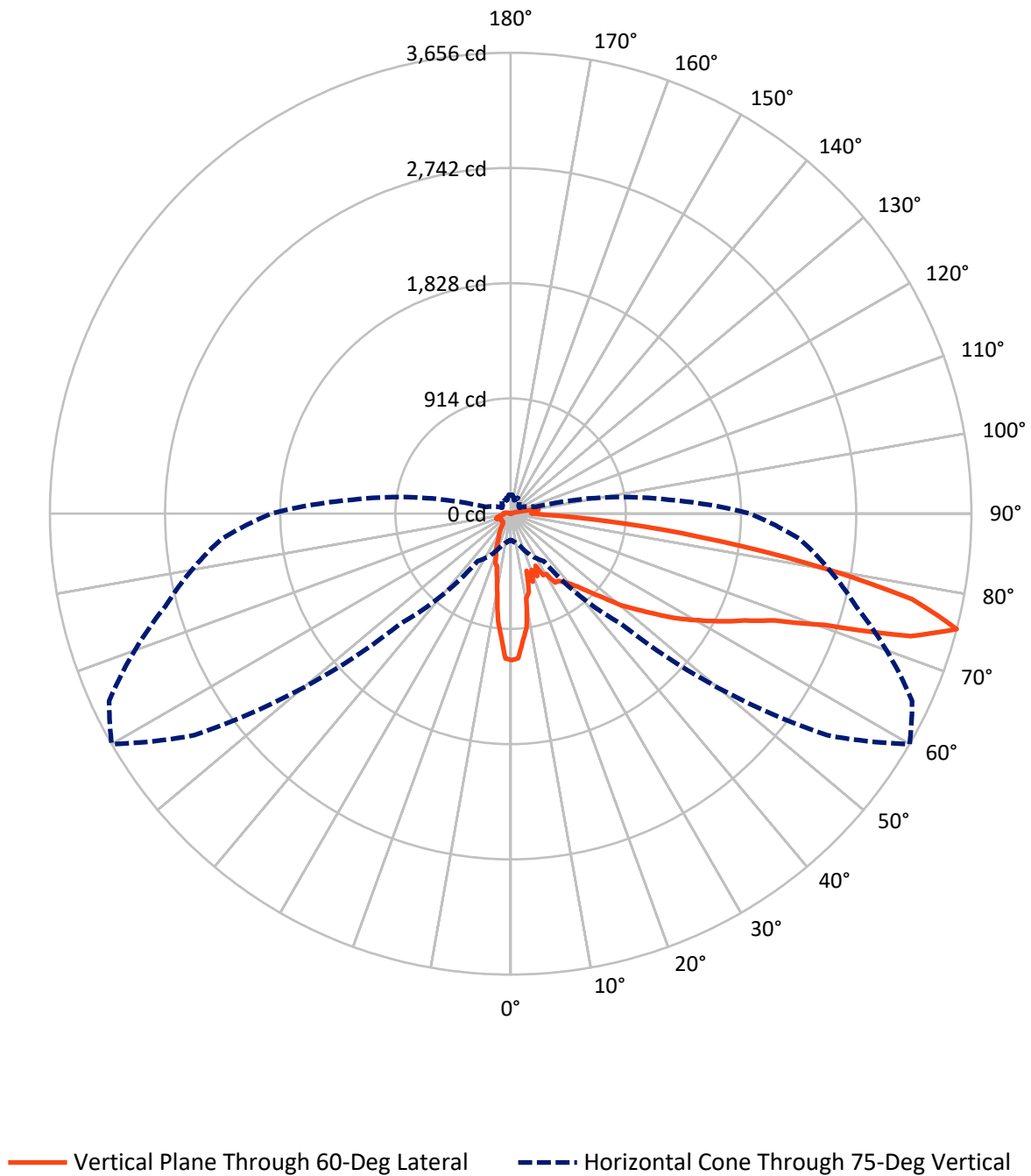


Based on 10 foot mounting height. Maximum calculated value = 11.6 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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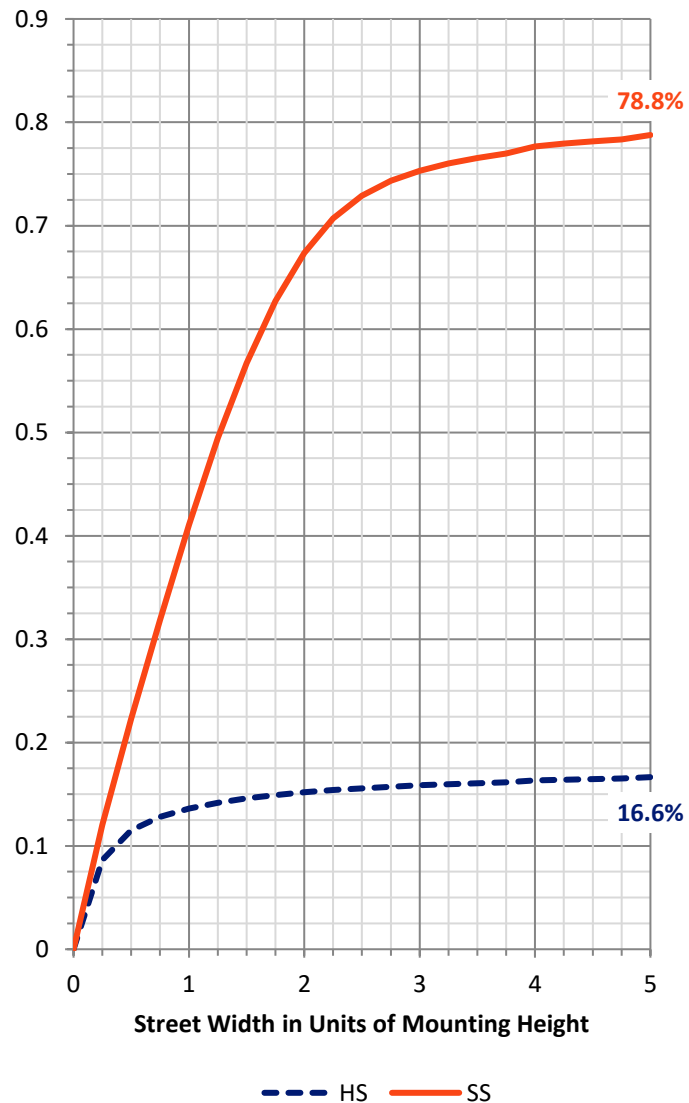
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 772.5    | 58.5   | 831.1  |
|                    | % Fixture | 17.6     | 1.3    | 18.9   |
| <b>Street Side</b> | Lumens    | 3507.6   | 61.9   | 3569.5 |
|                    | % Fixture | 79.7     | 1.4    | 81.1   |
| <b>Total</b>       | Lumens    | 4280.1   | 120.4  | 4400.5 |
|                    | % Fixture | 97.3     | 2.7    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 85.5   | 1.9       |
| 10°-20°   | 152.2  | 3.5       |
| 20°-30°   | 197.2  | 4.5       |
| 30°-40°   | 328.7  | 7.5       |
| 40°-50°   | 526.3  | 12.0      |
| 50°-60°   | 807.9  | 18.4      |
| 60°-70°   | 1009.5 | 22.9      |
| 70°-80°   | 920.8  | 20.9      |
| 80°-90°   | 252.0  | 5.7       |
| 90°-100°  | 84.6   | 1.9       |
| 100°-110° | 19.2   | 0.4       |
| 110°-120° | 6.1    | 0.1       |
| 120°-130° | 5.7    | 0.1       |
| 130°-140° | 2.7    | 0.1       |
| 140°-150° | 1.1    | 0.0       |
| 150°-160° | 1.0    | 0.0       |
| 160°-170° | 0.1    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 4280.1 | 97.3      |
| 0°-180°   | 4400.5 | 100.0     |

**Coefficient of Utilization**



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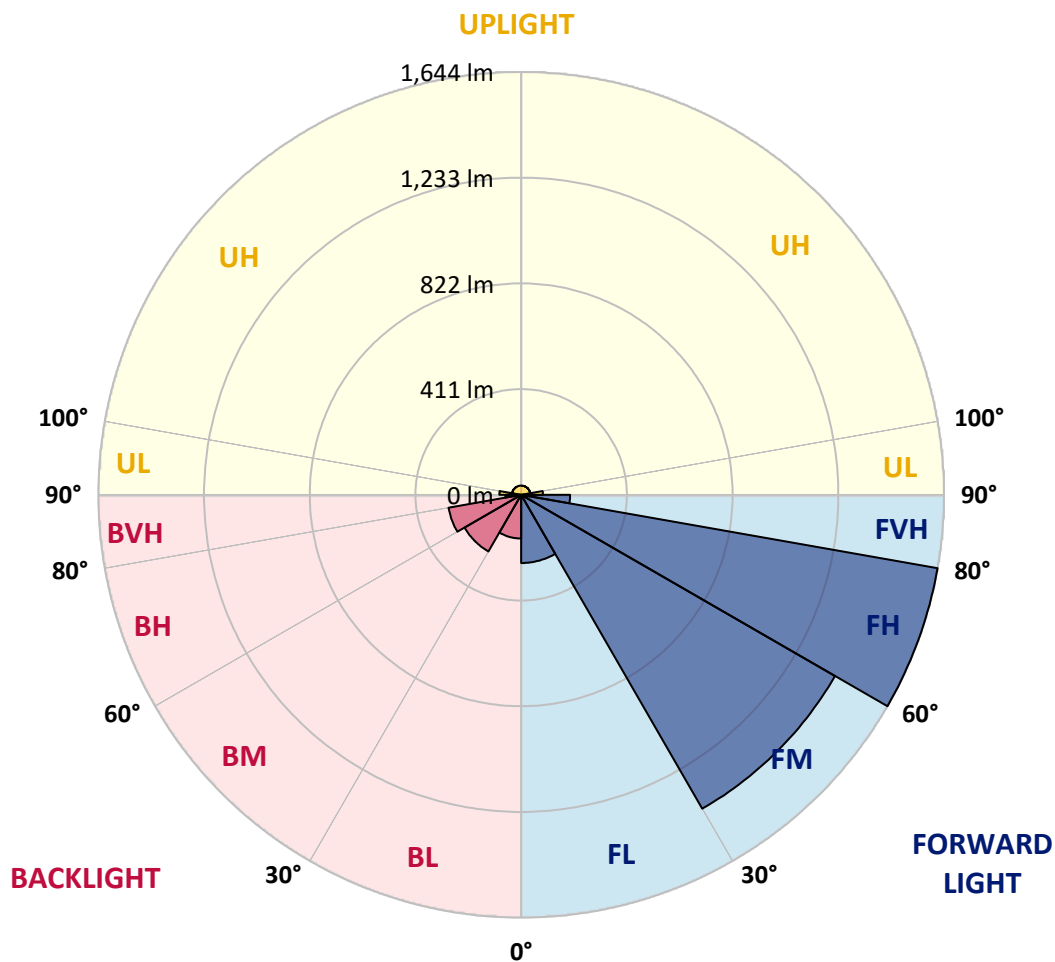
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|------|-------------|--------|-----------|-------------------------|--------|---------|
|      |             |        |           | B                       | U      | G       |
| FL   | (0°-30°)    | 265.1  | 6.0       |                         |        |         |
| FM   | (30°-60°)   | 1408.7 | 32.0      |                         |        |         |
| FH   | (60°-80°)   | 1643.7 | 37.4      |                         |        | G1/1800 |
| FVH  | (80°-90°)   | 190.1  | 4.3       |                         |        | G2/225  |
| BL   | (0°-30°)    | 169.8  | 3.9       | B1/500                  |        |         |
| BM   | (30°-60°)   | 254.2  | 5.8       | B1/1000                 |        |         |
| BH   | (60°-80°)   | 286.6  | 6.5       | B1/500                  |        | G1/500  |
| BVH  | (80°-90°)   | 61.8   | 1.4       |                         |        | G1/100  |
| UL   | (90°-100°)  | 84.6   | 1.9       |                         | U3/500 |         |
| UH   | (100°-180°) | 35.8   | 0.8       |                         | U2/50  |         |

**BUG Rating: B1-U3-G2**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 60°    | 65°    | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1162.1 | 1162.1 | 1162.1 | 1162.1 | 1162.1 | 1162.1 | 1162.1 | 1162.1 | 1162.1 | 1162.1 | 1162.1 |
| 2.5°   | 975.0  | 1066.0 | 1057.4 | 1127.8 | 1127.8 | 1143.3 | 1150.1 | 1148.4 | 1155.3 | 1162.1 | 1160.4 |
| 5°     | 897.8  | 899.5  | 906.4  | 921.8  | 927.0  | 932.1  | 949.3  | 1009.4 | 1110.6 | 1134.7 | 1134.7 |
| 7.5°   | 741.6  | 782.8  | 834.3  | 842.9  | 873.8  | 889.2  | 908.1  | 911.5  | 842.9  | 966.4  | 978.5  |
| 10°    | 751.9  | 753.6  | 750.2  | 769.0  | 746.7  | 738.1  | 678.1  | 681.5  | 688.4  | 734.7  | 827.4  |
| 12.5°  | 588.8  | 623.1  | 696.9  | 731.3  | 676.3  | 616.3  | 612.8  | 642.0  | 654.0  | 585.4  | 729.6  |
| 15°    | 672.9  | 676.3  | 678.1  | 679.8  | 504.7  | 585.4  | 511.5  | 470.3  | 527.0  | 664.3  | 755.3  |
| 17.5°  | 527.0  | 530.4  | 611.1  | 609.4  | 556.2  | 449.7  | 556.2  | 568.2  | 545.9  | 564.8  | 631.7  |
| 20°    | 618.0  | 619.7  | 614.5  | 477.2  | 487.5  | 551.0  | 478.9  | 477.2  | 504.7  | 650.6  | 734.7  |
| 22.5°  | 508.1  | 501.2  | 499.5  | 545.9  | 496.1  | 530.4  | 465.2  | 539.0  | 585.4  | 580.2  | 554.5  |
| 25°    | 636.9  | 635.1  | 609.4  | 475.5  | 508.1  | 449.7  | 544.2  | 456.6  | 506.4  | 702.1  | 734.7  |
| 27.5°  | 595.7  | 571.6  | 528.7  | 549.3  | 473.8  | 527.0  | 484.1  | 552.7  | 583.6  | 721.0  | 851.4  |
| 30°    | 770.8  | 753.6  | 703.8  | 554.5  | 523.6  | 485.8  | 518.4  | 554.5  | 664.3  | 928.7  | 973.3  |
| 32.5°  | 1017.9 | 999.1  | 820.5  | 679.8  | 549.3  | 575.1  | 545.9  | 650.6  | 733.0  | 947.6  | 981.9  |
| 35°    | 1093.5 | 1067.7 | 980.2  | 824.0  | 630.0  | 611.1  | 581.9  | 655.7  | 743.3  | 997.3  | 997.3  |
| 37.5°  | 1136.4 | 1134.7 | 1093.5 | 909.8  | 710.7  | 700.4  | 626.6  | 688.4  | 784.5  | 1045.4 | 1035.1 |
| 40°    | 1143.3 | 1151.8 | 1170.7 | 985.3  | 806.8  | 784.5  | 684.9  | 733.0  | 842.9  | 1103.8 | 1083.2 |
| 42.5°  | 1199.9 | 1215.4 | 1258.3 | 1084.9 | 902.9  | 882.3  | 753.6  | 798.2  | 906.4  | 1189.6 | 1184.5 |
| 45°    | 1290.9 | 1306.3 | 1344.1 | 1194.8 | 987.0  | 973.3  | 865.2  | 892.6  | 1009.4 | 1340.7 | 1292.6 |
| 47.5°  | 1479.7 | 1483.1 | 1467.7 | 1285.7 | 1078.0 | 1078.0 | 973.3  | 999.1  | 1102.1 | 1479.7 | 1433.4 |
| 50°    | 1668.5 | 1647.9 | 1579.3 | 1393.9 | 1169.0 | 1194.8 | 1084.9 | 1145.0 | 1206.8 | 1620.5 | 1557.0 |
| 52.5°  | 1773.3 | 1769.8 | 1677.1 | 1476.3 | 1248.0 | 1297.8 | 1213.6 | 1265.1 | 1302.9 | 1763.0 | 1673.7 |
| 55°    | 1776.7 | 1771.5 | 1708.0 | 1515.8 | 1321.8 | 1404.2 | 1342.4 | 1409.3 | 1436.8 | 1874.5 | 1833.3 |
| 57.5°  | 1720.0 | 1733.8 | 1701.2 | 1538.1 | 1357.8 | 1507.2 | 1498.6 | 1570.7 | 1584.4 | 2006.7 | 1943.2 |
| 60°    | 1630.8 | 1629.1 | 1668.5 | 1558.7 | 1412.8 | 1605.0 | 1642.8 | 1716.6 | 1790.4 | 2108.0 | 2041.0 |
| 62.5°  | 1407.6 | 1423.1 | 1534.6 | 1558.7 | 1472.8 | 1732.1 | 1804.1 | 1881.4 | 1972.4 | 2200.7 | 2128.6 |
| 65°    | 1102.1 | 1110.6 | 1285.7 | 1445.4 | 1490.0 | 1902.0 | 1967.2 | 2044.5 | 2140.6 | 2295.1 | 2226.4 |
| 67.5°  | 666.0  | 722.7  | 873.8  | 1189.6 | 1402.5 | 2106.3 | 2226.4 | 2259.0 | 2314.0 | 2401.5 | 2370.6 |
| 70°    | 379.4  | 396.5  | 468.6  | 748.4  | 1170.7 | 2171.5 | 2703.6 | 2645.3 | 2588.6 | 2609.2 | 2550.9 |
| 72.5°  | 288.4  | 298.7  | 331.3  | 442.9  | 700.4  | 1917.4 | 3105.3 | 3321.6 | 3077.9 | 2825.5 | 2545.7 |
| 75°    | 209.4  | 219.7  | 252.3  | 357.1  | 460.0  | 1229.1 | 3064.1 | 3656.4 | 3515.6 | 2835.8 | 2302.0 |
| 77.5°  | 130.5  | 132.2  | 151.1  | 303.8  | 413.7  | 616.3  | 2398.1 | 3256.4 | 3318.2 | 2648.7 | 1908.9 |
| 80°    | 91.0   | 92.7   | 96.1   | 163.1  | 381.1  | 494.4  | 1610.2 | 2391.2 | 2478.8 | 1843.6 | 973.3  |
| 82.5°  | 65.2   | 68.7   | 72.1   | 96.1   | 247.2  | 472.1  | 1002.5 | 1505.5 | 1326.9 | 667.8  | 394.8  |
| 85°    | 34.3   | 37.8   | 46.3   | 58.4   | 99.6   | 513.3  | 600.8  | 765.6  | 606.0  | 271.2  | 235.2  |
| 87.5°  | 13.7   | 12.0   | 10.3   | 15.4   | 27.5   | 197.4  | 233.5  | 257.5  | 199.1  | 152.8  | 187.1  |
| 90°    | 12.0   | 10.3   | 6.9    | 8.6    | 12.0   | 70.4   | 147.6  | 164.8  | 137.3  | 149.3  | 188.8  |
| 92.5°  | 12.0   | 10.3   | 6.9    | 6.9    | 12.0   | 70.4   | 176.8  | 180.2  | 142.5  | 152.8  | 197.4  |
| 95°    | 12.0   | 12.0   | 6.9    | 6.9    | 12.0   | 63.5   | 209.4  | 206.0  | 147.6  | 161.4  | 209.4  |
| 97.5°  | 12.0   | 12.0   | 5.1    | 6.9    | 12.0   | 42.9   | 216.3  | 223.2  | 144.2  | 115.0  | 173.4  |
| 100°   | 12.0   | 12.0   | 5.1    | 5.1    | 10.3   | 27.5   | 151.1  | 163.1  | 106.4  | 37.8   | 42.9   |
| 102.5° | 12.0   | 12.0   | 5.1    | 5.1    | 6.9    | 18.9   | 66.9   | 80.7   | 63.5   | 12.0   | 13.7   |
| 105°   | 12.0   | 13.7   | 3.4    | 3.4    | 5.1    | 10.3   | 29.2   | 32.6   | 25.7   | 8.6    | 15.4   |
| 107.5° | 13.7   | 15.4   | 3.4    | 3.4    | 3.4    | 5.1    | 10.3   | 12.0   | 6.9    | 6.9    | 15.4   |
| 110°   | 15.4   | 15.4   | 3.4    | 3.4    | 3.4    | 5.1    | 3.4    | 3.4    | 5.1    | 6.9    | 17.2   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15° | 25° | 35° | 45° | 55° | 60° | 65° | 75°  | 85°  |
|--------|------|------|-----|-----|-----|-----|-----|-----|-----|------|------|
| 112.5° | 12.0 | 10.3 | 1.7 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 6.9  | 17.2 |
| 115°   | 6.9  | 5.1  | 1.7 | 3.4 | 3.4 | 3.4 | 1.7 | 3.4 | 5.1 | 6.9  | 15.4 |
| 117.5° | 6.9  | 5.1  | 1.7 | 1.7 | 1.7 | 3.4 | 1.7 | 1.7 | 5.1 | 8.6  | 18.9 |
| 120°   | 5.1  | 5.1  | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 3.4 | 3.4 | 12.0 | 25.7 |
| 122.5° | 5.1  | 5.1  | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 3.4 | 3.4 | 12.0 | 25.7 |
| 125°   | 6.9  | 6.9  | 3.4 | 1.7 | 1.7 | 1.7 | 1.7 | 3.4 | 3.4 | 10.3 | 24.0 |
| 127.5° | 5.1  | 5.1  | 3.4 | 1.7 | 1.7 | 1.7 | 1.7 | 3.4 | 3.4 | 8.6  | 18.9 |
| 130°   | 5.1  | 5.1  | 3.4 | 1.7 | 1.7 | 1.7 | 1.7 | 3.4 | 1.7 | 8.6  | 15.4 |
| 132.5° | 5.1  | 5.1  | 3.4 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 5.1  | 12.0 |
| 135°   | 5.1  | 5.1  | 3.4 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 3.4  | 8.6  |
| 137.5° | 3.4  | 3.4  | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7  | 3.4  |
| 140°   | 0.0  | 1.7  | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7  | 1.7  |
| 142.5° | 1.7  | 1.7  | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7  | 1.7  |
| 145°   | 1.7  | 1.7  | 1.7 | 1.7 | 3.4 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7  | 1.7  |
| 147.5° | 1.7  | 1.7  | 1.7 | 3.4 | 3.4 | 3.4 | 1.7 | 1.7 | 1.7 | 1.7  | 1.7  |
| 150°   | 3.4  | 3.4  | 6.9 | 5.1 | 3.4 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7  | 1.7  |
| 152.5° | 6.9  | 6.9  | 6.9 | 5.1 | 1.7 | 1.7 | 3.4 | 5.1 | 1.7 | 1.7  | 1.7  |
| 155°   | 5.1  | 5.1  | 5.1 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 3.4 | 5.1  | 5.1  |
| 157.5° | 0.0  | 0.0  | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7  | 1.7  |
| 160°   | 0.0  | 0.0  | 0.0 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7  | 1.7  |
| 162.5° | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 180°   | 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):**

|        | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1162.1 | 1162.1 | 1162.1 | 1162.1 | 1162.1 | 1162.1 | 1162.1 | 1162.1 | 1162.1 | 1162.1 | 1162.1 |
| 2.5°   | 1155.3 | 1158.7 | 1155.3 | 1151.8 | 1148.4 | 1138.1 | 1067.7 | 981.9  | 975.0  | 981.9  | 978.5  |
| 5°     | 1126.1 | 1126.1 | 1124.4 | 1005.9 | 935.5  | 914.9  | 909.8  | 904.6  | 894.3  | 889.2  | 892.6  |
| 7.5°   | 971.6  | 966.4  | 906.4  | 799.9  | 866.9  | 842.9  | 829.1  | 822.3  | 719.3  | 681.5  | 684.9  |
| 10°    | 812.0  | 812.0  | 674.6  | 636.9  | 633.4  | 643.7  | 714.1  | 709.0  | 695.2  | 686.6  | 695.2  |
| 12.5°  | 700.4  | 729.6  | 535.6  | 573.3  | 465.2  | 515.0  | 563.0  | 597.4  | 492.7  | 463.5  | 468.6  |
| 15°    | 743.3  | 733.0  | 588.8  | 449.7  | 410.3  | 432.6  | 346.8  | 434.3  | 427.4  | 413.7  | 412.0  |
| 17.5°  | 648.9  | 595.7  | 490.9  | 422.3  | 405.1  | 305.6  | 297.0  | 307.3  | 281.5  | 257.5  | 269.5  |
| 20°    | 705.5  | 676.3  | 520.1  | 375.9  | 312.4  | 278.1  | 209.4  | 195.7  | 248.9  | 260.9  | 259.2  |
| 22.5°  | 588.8  | 490.9  | 425.7  | 374.2  | 252.3  | 199.1  | 157.9  | 173.4  | 185.4  | 197.4  | 202.6  |
| 25°    | 691.8  | 638.6  | 465.2  | 279.8  | 204.3  | 145.9  | 142.5  | 128.7  | 194.0  | 221.4  | 219.7  |
| 27.5°  | 798.2  | 722.7  | 448.0  | 262.6  | 147.6  | 125.3  | 115.0  | 130.5  | 135.6  | 152.8  | 163.1  |
| 30°    | 892.6  | 801.7  | 518.4  | 243.8  | 123.6  | 94.4   | 103.0  | 106.4  | 132.2  | 142.5  | 142.5  |
| 32.5°  | 889.2  | 779.3  | 463.5  | 207.7  | 101.3  | 85.8   | 85.8   | 101.3  | 116.7  | 140.8  | 142.5  |
| 35°    | 887.5  | 762.2  | 413.7  | 161.4  | 89.3   | 75.5   | 79.0   | 96.1   | 116.7  | 130.5  | 132.2  |
| 37.5°  | 908.1  | 757.0  | 363.9  | 130.5  | 80.7   | 72.1   | 75.5   | 91.0   | 125.3  | 139.0  | 139.0  |
| 40°    | 939.0  | 760.5  | 314.1  | 111.6  | 77.2   | 70.4   | 72.1   | 96.1   | 113.3  | 125.3  | 125.3  |
| 42.5°  | 1033.4 | 810.2  | 271.2  | 103.0  | 77.2   | 68.7   | 68.7   | 89.3   | 115.0  | 135.6  | 137.3  |
| 45°    | 1103.8 | 849.7  | 238.6  | 103.0  | 75.5   | 65.2   | 72.1   | 89.3   | 101.3  | 149.3  | 159.6  |
| 47.5°  | 1217.1 | 921.8  | 207.7  | 103.0  | 75.5   | 63.5   | 66.9   | 87.5   | 106.4  | 171.7  | 178.5  |
| 50°    | 1330.4 | 993.9  | 194.0  | 103.0  | 75.5   | 61.8   | 75.5   | 84.1   | 106.4  | 178.5  | 183.7  |
| 52.5°  | 1450.5 | 1083.2 | 185.4  | 103.0  | 75.5   | 65.2   | 82.4   | 101.3  | 115.0  | 159.6  | 157.9  |
| 55°    | 1574.1 | 1162.1 | 180.2  | 106.4  | 75.5   | 65.2   | 89.3   | 94.4   | 97.8   | 123.6  | 127.0  |
| 57.5°  | 1689.1 | 1258.3 | 190.5  | 106.4  | 73.8   | 68.7   | 84.1   | 92.7   | 85.8   | 108.1  | 109.9  |
| 60°    | 1780.1 | 1345.8 | 216.3  | 103.0  | 72.1   | 68.7   | 85.8   | 101.3  | 96.1   | 118.4  | 121.9  |
| 62.5°  | 1884.8 | 1438.5 | 276.4  | 104.7  | 72.1   | 70.4   | 96.1   | 109.9  | 97.8   | 116.7  | 123.6  |
| 65°    | 2022.2 | 1579.3 | 343.3  | 115.0  | 73.8   | 73.8   | 97.8   | 118.4  | 97.8   | 115.0  | 115.0  |
| 67.5°  | 2176.7 | 1709.7 | 343.3  | 133.9  | 79.0   | 79.0   | 97.8   | 125.3  | 104.7  | 115.0  | 115.0  |
| 70°    | 2289.9 | 1716.6 | 283.2  | 147.6  | 85.8   | 84.1   | 101.3  | 130.5  | 106.4  | 127.0  | 125.3  |
| 72.5°  | 2164.6 | 1529.5 | 235.2  | 145.9  | 92.7   | 87.5   | 115.0  | 133.9  | 108.1  | 144.2  | 142.5  |
| 75°    | 1900.3 | 1261.7 | 204.3  | 130.5  | 84.1   | 89.3   | 120.2  | 137.3  | 109.9  | 151.1  | 147.6  |
| 77.5°  | 1498.6 | 920.1  | 173.4  | 109.9  | 73.8   | 85.8   | 123.6  | 140.8  | 113.3  | 159.6  | 157.9  |
| 80°    | 726.1  | 461.8  | 140.8  | 92.7   | 66.9   | 82.4   | 123.6  | 139.0  | 111.6  | 164.8  | 164.8  |
| 82.5°  | 327.9  | 230.0  | 96.1   | 63.5   | 66.9   | 84.1   | 127.0  | 140.8  | 111.6  | 161.4  | 159.6  |
| 85°    | 212.9  | 157.9  | 61.8   | 49.8   | 66.9   | 96.1   | 128.7  | 133.9  | 106.4  | 149.3  | 149.3  |
| 87.5°  | 159.6  | 109.9  | 32.6   | 30.9   | 73.8   | 104.7  | 128.7  | 123.6  | 103.0  | 140.8  | 137.3  |
| 90°    | 163.1  | 116.7  | 34.3   | 30.9   | 79.0   | 106.4  | 128.7  | 121.9  | 99.6   | 127.0  | 127.0  |
| 92.5°  | 176.8  | 128.7  | 39.5   | 34.3   | 80.7   | 96.1   | 121.9  | 109.9  | 92.7   | 109.9  | 108.1  |
| 95°    | 192.3  | 144.2  | 46.3   | 39.5   | 70.4   | 70.4   | 96.1   | 89.3   | 79.0   | 84.1   | 84.1   |
| 97.5°  | 140.8  | 103.0  | 41.2   | 42.9   | 53.2   | 44.6   | 63.5   | 60.1   | 41.2   | 37.8   | 36.0   |
| 100°   | 41.2   | 34.3   | 37.8   | 41.2   | 37.8   | 32.6   | 48.1   | 46.3   | 27.5   | 13.7   | 13.7   |
| 102.5° | 15.4   | 17.2   | 34.3   | 37.8   | 29.2   | 24.0   | 34.3   | 37.8   | 22.3   | 3.4    | 5.1    |
| 105°   | 13.7   | 12.0   | 24.0   | 29.2   | 17.2   | 13.7   | 17.2   | 24.0   | 13.7   | 3.4    | 3.4    |
| 107.5° | 15.4   | 12.0   | 12.0   | 15.4   | 6.9    | 6.9    | 6.9    | 8.6    | 5.1    | 3.4    | 3.4    |
| 110°   | 15.4   | 12.0   | 6.9    | 6.9    | 5.1    | 5.1    | 5.1    | 3.4    | 3.4    | 3.4    | 3.4    |

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**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 15.4 | 12.0 | 6.9  | 6.9  | 5.1  | 5.1  | 3.4  | 3.4  | 5.1  | 8.6  | 8.6  |
| 115°   | 17.2 | 13.7 | 6.9  | 5.1  | 3.4  | 5.1  | 3.4  | 1.7  | 5.1  | 12.0 | 12.0 |
| 117.5° | 20.6 | 15.4 | 5.1  | 5.1  | 3.4  | 3.4  | 3.4  | 1.7  | 5.1  | 15.4 | 17.2 |
| 120°   | 25.7 | 18.9 | 6.9  | 3.4  | 3.4  | 3.4  | 3.4  | 1.7  | 6.9  | 17.2 | 18.9 |
| 122.5° | 25.7 | 20.6 | 6.9  | 3.4  | 3.4  | 1.7  | 1.7  | 3.4  | 6.9  | 17.2 | 18.9 |
| 125°   | 24.0 | 18.9 | 6.9  | 3.4  | 3.4  | 1.7  | 1.7  | 1.7  | 8.6  | 17.2 | 18.9 |
| 127.5° | 18.9 | 17.2 | 6.9  | 3.4  | 1.7  | 1.7  | 1.7  | 3.4  | 6.9  | 15.4 | 15.4 |
| 130°   | 15.4 | 13.7 | 5.1  | 3.4  | 1.7  | 1.7  | 1.7  | 1.7  | 6.9  | 12.0 | 13.7 |
| 132.5° | 12.0 | 10.3 | 5.1  | 3.4  | 1.7  | 1.7  | 1.7  | 1.7  | 6.9  | 12.0 | 12.0 |
| 135°   | 8.6  | 8.6  | 3.4  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 5.1  | 8.6  | 10.3 |
| 137.5° | 3.4  | 3.4  | 3.4  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 3.4  | 5.1  | 5.1  |
| 140°   | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 0.0  | 1.7  | 3.4  | 3.4  |
| 142.5° | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 0.0  | 1.7  | 1.7  | 1.7  | 3.4  |
| 145°   | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 0.0  | 1.7  | 1.7  | 1.7  | 1.7  |
| 147.5° | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 0.0  | 1.7  | 1.7  | 1.7  | 1.7  |
| 150°   | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 0.0  | 1.7  | 1.7  | 1.7  | 1.7  |
| 152.5° | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 0.0  | 1.7  | 1.7  | 3.4  | 3.4  |
| 155°   | 5.1  | 5.1  | 5.1  | 3.4  | 1.7  | 0.0  | 0.0  | 0.0  | 1.7  | 1.7  | 3.4  |
| 157.5° | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 0.0  | 0.0  | 1.7  | 1.7  | 1.7  |
| 160°   | 1.7  | 1.7  | 1.7  | 1.7  | 1.7  | 0.0  | 0.0  | 0.0  | 1.7  | 1.7  | 1.7  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)