

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: P511106

Luminaire Tested: **USSL-P-PA1A-750-U-T2U-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511106  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: USSL-P-PA1A-750-U-T2U-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 5000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3253 lumens  
Efficiency: N/A  
Efficacy: 106.0 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

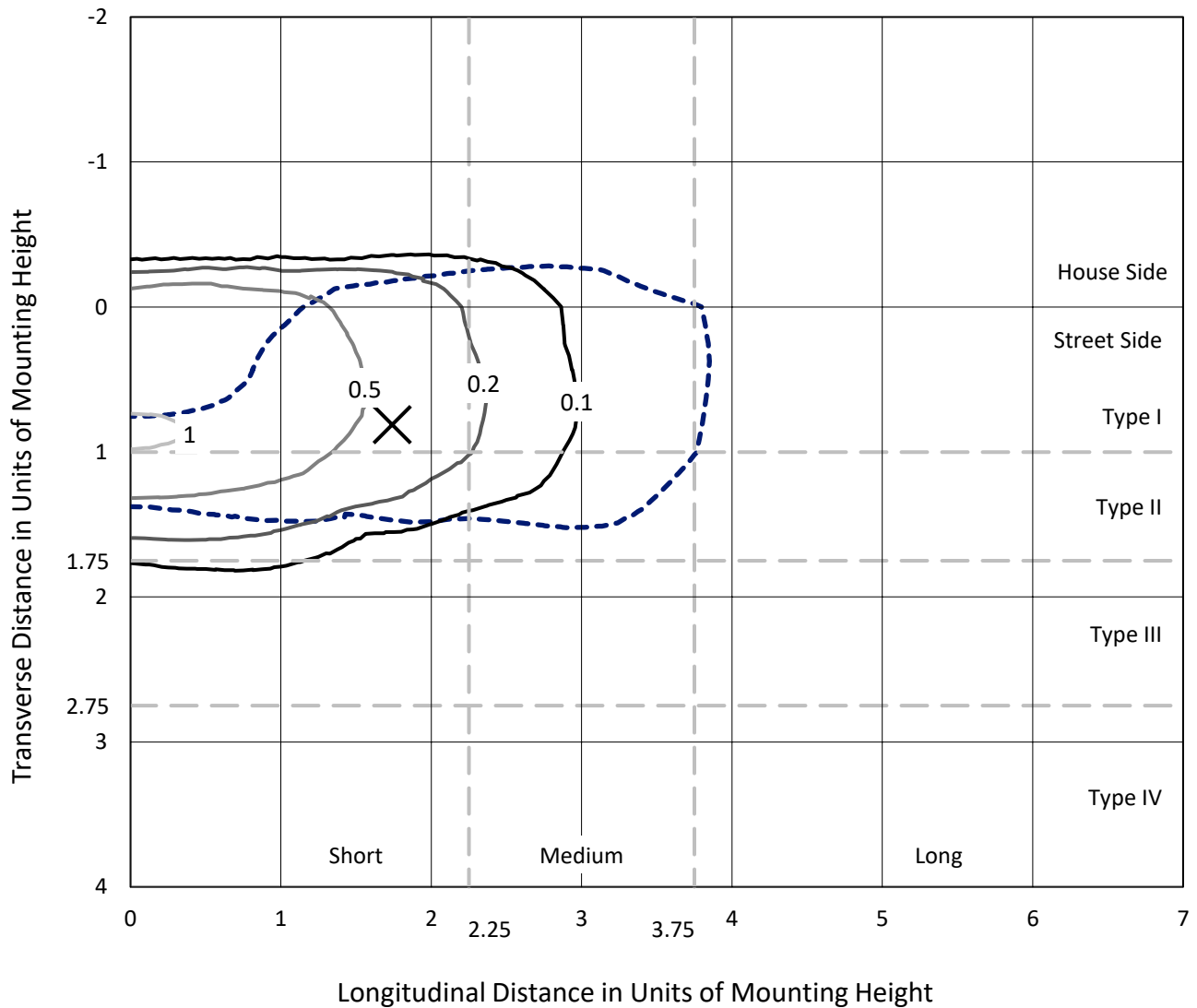
Input Watts (W): 30.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

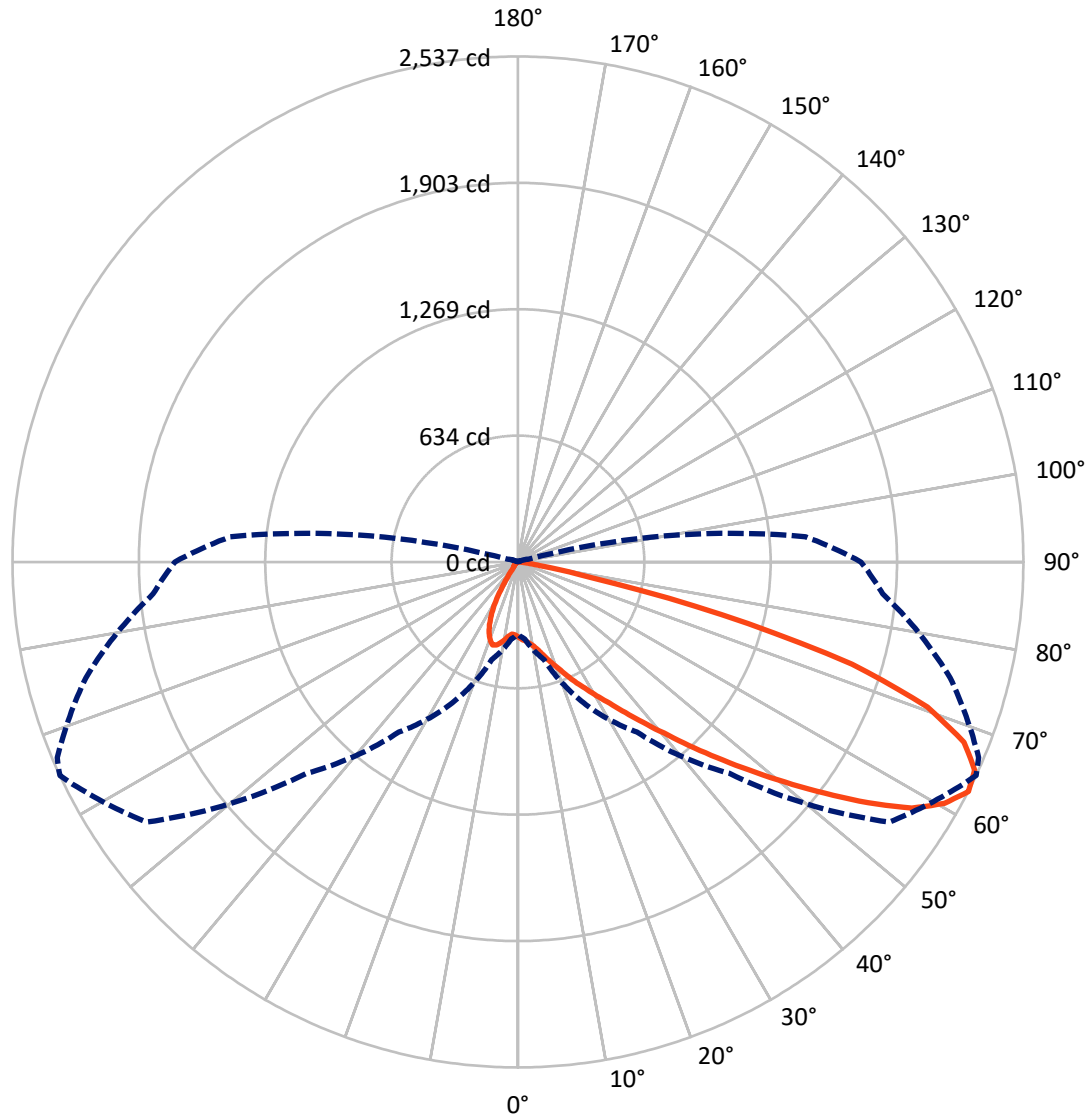
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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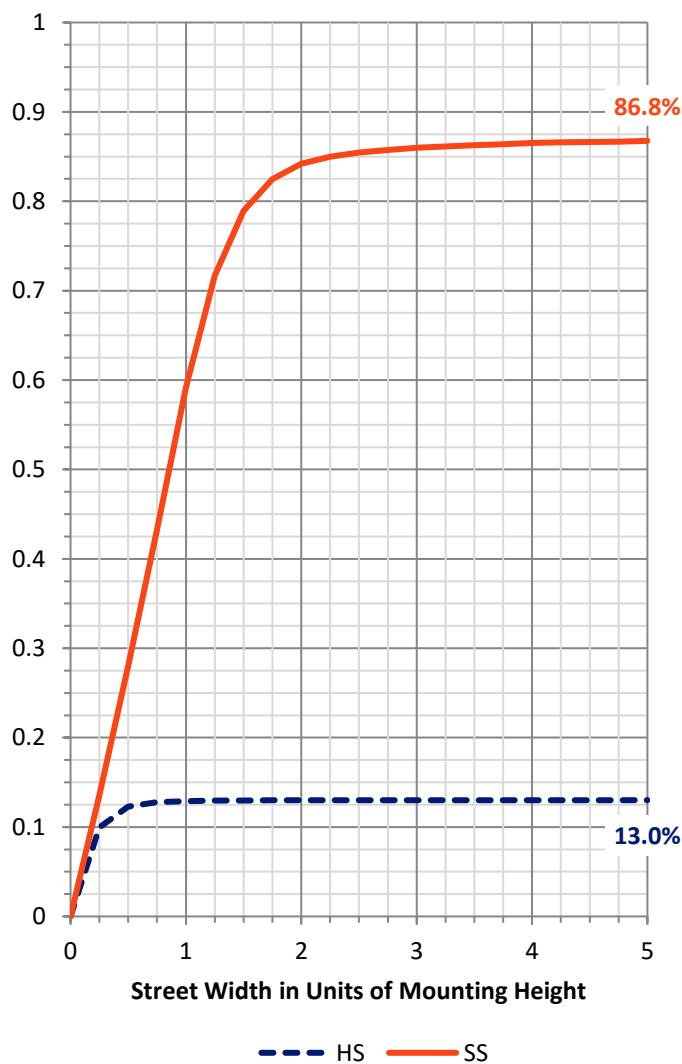
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 428.1    | 0.0    | 428.1  |
|                    | % Fixture | 13.2     | 0.0    | 13.2   |
| <b>Street Side</b> | Lumens    | 2824.9   | 0.0    | 2824.9 |
|                    | % Fixture | 86.8     | 0.0    | 86.8   |
| <b>Total</b>       | Lumens    | 3253.0   | 0.0    | 3253.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 36.0   | 1.1       |
| 10°-20°   | 106.8  | 3.3       |
| 20°-30°   | 190.3  | 5.9       |
| 30°-40°   | 347.3  | 10.7      |
| 40°-50°   | 652.9  | 20.1      |
| 50°-60°   | 865.7  | 26.6      |
| 60°-70°   | 719.4  | 22.1      |
| 70°-80°   | 319.6  | 9.8       |
| 80°-90°   | 15.0   | 0.5       |
| 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°    | 3253.0 | 100.0     |
| 0°-180°   | 3253.0 | 100.0     |

**Coefficient of Utilization**

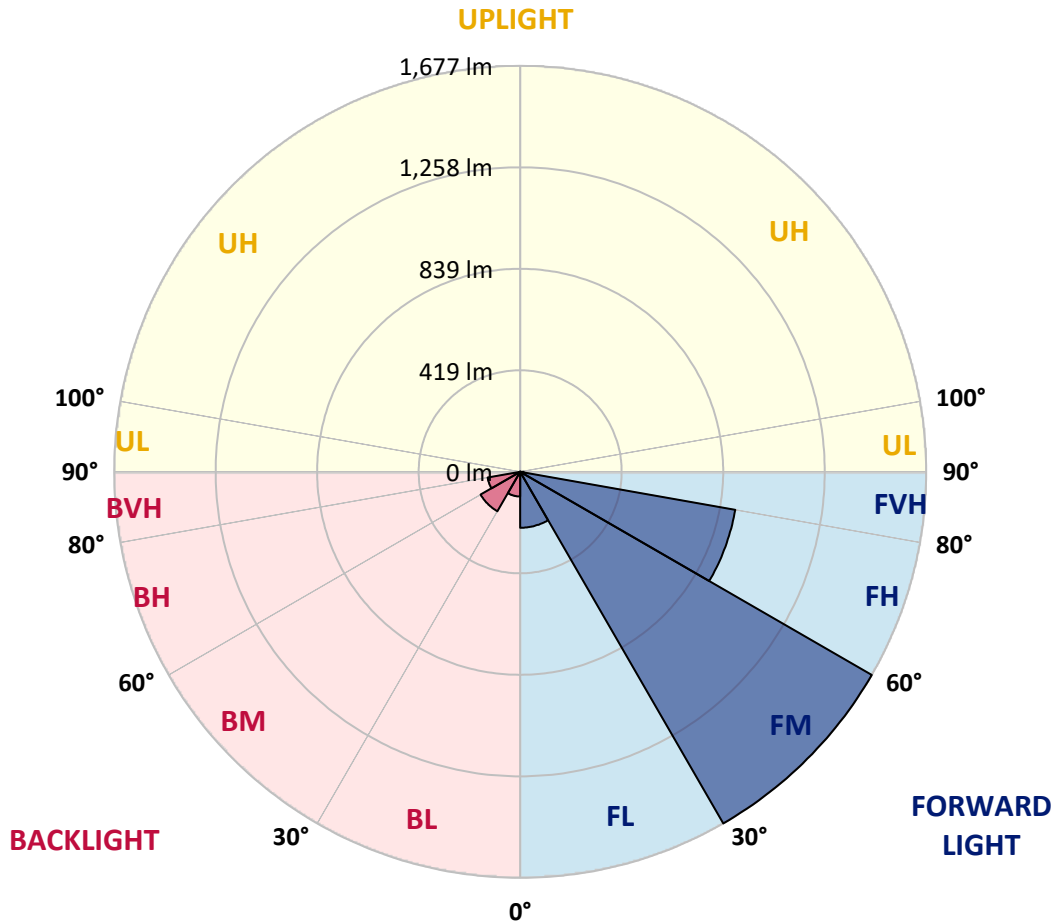


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 231.2  | 7.1       |                         |      |         |
| FM (30°-60°)   | 1677.5 | 51.6      |                         |      |         |
| FH (60°-80°)   | 902.4  | 27.7      |                         |      | G1/1800 |
| FVH (80°-90°)  | 13.9   | 0.4       |                         |      | G1/100  |
| BL (0°-30°)    | 101.9  | 3.1       | B0/110                  |      |         |
| BM (30°-60°)   | 188.4  | 5.8       | B0/220                  |      |         |
| BH (60°-80°)   | 136.6  | 4.2       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 1.2    | 0.0       |                         |      | 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 II Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 67°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 377.0  | 377.0  | 377.0  | 377.0  | 377.0  | 377.0  | 377.0  | 377.0  | 377.0  | 377.0  | 377.0  |
| 2.5°  | 392.0  | 394.0  | 392.0  | 395.0  | 393.0  | 392.0  | 391.0  | 389.0  | 388.0  | 384.0  | 382.0  |
| 5°    | 386.0  | 386.0  | 388.0  | 392.0  | 393.0  | 397.0  | 397.0  | 398.0  | 396.0  | 395.0  | 390.0  |
| 7.5°  | 381.0  | 382.0  | 384.0  | 389.0  | 392.0  | 400.0  | 405.0  | 412.0  | 412.0  | 409.0  | 407.0  |
| 10°   | 394.0  | 395.0  | 397.0  | 403.0  | 406.0  | 417.0  | 423.0  | 429.0  | 430.0  | 431.0  | 430.0  |
| 12.5° | 415.0  | 415.0  | 417.0  | 422.0  | 429.0  | 441.0  | 449.0  | 454.0  | 454.0  | 457.0  | 455.0  |
| 15°   | 445.0  | 444.0  | 446.0  | 449.0  | 453.0  | 468.0  | 480.0  | 488.0  | 488.0  | 486.0  | 480.0  |
| 17.5° | 476.0  | 478.0  | 482.0  | 482.0  | 484.0  | 498.0  | 514.0  | 526.0  | 527.0  | 522.0  | 510.0  |
| 20°   | 512.0  | 514.0  | 515.0  | 520.0  | 518.0  | 531.0  | 547.0  | 566.0  | 568.0  | 562.0  | 541.0  |
| 22.5° | 543.0  | 547.0  | 552.0  | 557.0  | 561.0  | 574.0  | 587.0  | 613.0  | 615.0  | 608.0  | 575.0  |
| 25°   | 584.0  | 581.0  | 590.0  | 594.0  | 602.0  | 616.0  | 633.0  | 665.0  | 667.0  | 655.0  | 615.0  |
| 27.5° | 623.0  | 623.0  | 630.0  | 642.0  | 646.0  | 664.0  | 682.0  | 717.0  | 723.0  | 709.0  | 655.0  |
| 30°   | 692.0  | 697.0  | 694.0  | 697.0  | 693.0  | 714.0  | 742.0  | 779.0  | 782.0  | 763.0  | 702.0  |
| 32.5° | 849.1  | 847.1  | 820.1  | 777.0  | 759.0  | 779.0  | 811.1  | 845.1  | 850.1  | 836.1  | 749.0  |
| 35°   | 1051.1 | 1060.1 | 1013.1 | 927.1  | 854.1  | 854.1  | 880.1  | 928.1  | 931.1  | 915.1  | 816.1  |
| 37.5° | 1318.1 | 1312.1 | 1243.1 | 1132.1 | 997.1  | 954.1  | 979.1  | 1022.1 | 1027.1 | 1009.1 | 895.1  |
| 40°   | 1500.1 | 1516.1 | 1480.1 | 1370.1 | 1201.1 | 1100.1 | 1087.1 | 1129.1 | 1135.1 | 1118.1 | 982.1  |
| 42.5° | 1643.1 | 1648.1 | 1640.1 | 1587.1 | 1445.1 | 1296.1 | 1221.1 | 1258.1 | 1258.1 | 1230.1 | 1084.1 |
| 45°   | 1745.1 | 1751.1 | 1749.1 | 1732.1 | 1661.1 | 1536.1 | 1398.1 | 1401.1 | 1407.1 | 1363.1 | 1187.1 |
| 47.5° | 1779.1 | 1779.1 | 1809.1 | 1841.1 | 1843.1 | 1800.1 | 1622.1 | 1558.1 | 1550.1 | 1504.1 | 1297.1 |
| 50°   | 1687.1 | 1690.1 | 1764.1 | 1883.1 | 1976.1 | 2037.1 | 1873.1 | 1735.1 | 1716.1 | 1659.1 | 1421.1 |
| 52.5° | 1433.1 | 1430.1 | 1558.1 | 1798.1 | 2049.1 | 2212.1 | 2078.1 | 1929.1 | 1903.1 | 1789.1 | 1526.1 |
| 55°   | 1152.1 | 1173.1 | 1305.1 | 1540.1 | 1977.1 | 2299.1 | 2242.1 | 2133.1 | 2079.1 | 1935.1 | 1625.1 |
| 57.5° | 867.1  | 901.1  | 1086.1 | 1285.1 | 1697.1 | 2237.1 | 2339.1 | 2331.1 | 2279.1 | 2060.1 | 1712.1 |
| 60°   | 557.0  | 588.0  | 782.0  | 1028.1 | 1371.1 | 1984.1 | 2356.1 | 2459.2 | 2433.2 | 2172.1 | 1797.1 |
| 62.5° | 364.0  | 388.0  | 508.0  | 781.0  | 1042.1 | 1500.1 | 2276.1 | 2537.2 | 2512.2 | 2246.1 | 1838.1 |
| 65°   | 214.0  | 223.0  | 301.0  | 535.0  | 765.0  | 977.1  | 2061.1 | 2519.2 | 2535.2 | 2311.1 | 1864.1 |
| 67.5° | 154.0  | 155.0  | 191.0  | 297.0  | 540.0  | 564.0  | 1557.1 | 2415.2 | 2450.2 | 2333.1 | 1855.1 |
| 70°   | 131.0  | 135.0  | 160.0  | 196.0  | 378.0  | 296.0  | 902.1  | 2180.1 | 2266.1 | 2303.1 | 1832.1 |
| 72.5° | 101.0  | 107.0  | 132.0  | 168.0  | 271.0  | 200.0  | 342.0  | 1754.1 | 1871.1 | 2078.1 | 1745.1 |
| 75°   | 64.0   | 70.0   | 98.0   | 134.0  | 192.0  | 160.0  | 139.0  | 1055.1 | 1179.1 | 1439.1 | 1397.1 |
| 77.5° | 38.0   | 39.0   | 60.0   | 96.0   | 170.0  | 119.0  | 81.0   | 366.0  | 484.0  | 701.0  | 717.0  |
| 80°   | 19.0   | 21.0   | 33.0   | 61.0   | 105.0  | 88.0   | 49.0   | 111.0  | 139.0  | 242.0  | 168.0  |
| 82.5° | 11.0   | 12.0   | 18.0   | 34.0   | 55.0   | 52.0   | 27.0   | 49.0   | 55.0   | 66.0   | 29.0   |
| 85°   | 1.0    | 2.0    | 9.0    | 14.0   | 19.0   | 12.0   | 11.0   | 20.0   | 21.0   | 30.0   | 10.0   |
| 87.5° | 0.0    | 0.0    | 1.0    | 1.0    | 2.0    | 2.0    | 3.0    | 4.0    | 4.0    | 4.0    | 3.0    |
| 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):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 377.0  | 377.0  | 377.0 | 377.0 | 377.0 | 377.0 | 377.0 | 377.0 | 377.0 | 377.0 | 377.0 |
| 2.5°  | 378.0  | 378.0  | 372.0 | 367.0 | 364.0 | 360.0 | 355.0 | 353.0 | 350.0 | 349.0 | 350.0 |
| 5°    | 388.0  | 383.0  | 372.0 | 363.0 | 355.0 | 348.0 | 341.0 | 338.0 | 335.0 | 335.0 | 335.0 |
| 7.5°  | 404.0  | 398.0  | 385.0 | 374.0 | 364.0 | 358.0 | 347.0 | 336.0 | 326.0 | 323.0 | 321.0 |
| 10°   | 427.0  | 420.0  | 406.0 | 394.0 | 382.0 | 360.0 | 329.0 | 298.0 | 276.0 | 265.0 | 266.0 |
| 12.5° | 450.0  | 442.0  | 429.0 | 415.0 | 387.0 | 334.0 | 277.0 | 226.0 | 193.0 | 176.0 | 171.0 |
| 15°   | 476.0  | 467.0  | 452.0 | 431.0 | 369.0 | 283.0 | 202.0 | 134.0 | 98.0  | 86.0  | 82.0  |
| 17.5° | 505.0  | 492.0  | 477.0 | 435.0 | 329.0 | 208.0 | 112.0 | 70.0  | 59.0  | 56.0  | 55.0  |
| 20°   | 531.0  | 520.0  | 499.0 | 417.0 | 271.0 | 128.0 | 63.0  | 52.0  | 48.0  | 46.0  | 46.0  |
| 22.5° | 561.0  | 545.0  | 520.0 | 386.0 | 200.0 | 72.0  | 49.0  | 43.0  | 39.0  | 38.0  | 37.0  |
| 25°   | 592.0  | 572.0  | 535.0 | 344.0 | 127.0 | 51.0  | 41.0  | 36.0  | 32.0  | 30.0  | 31.0  |
| 27.5° | 628.0  | 597.0  | 541.0 | 289.0 | 73.0  | 43.0  | 34.0  | 29.0  | 26.0  | 25.0  | 25.0  |
| 30°   | 656.0  | 628.0  | 534.0 | 227.0 | 50.0  | 37.0  | 28.0  | 23.0  | 21.0  | 20.0  | 20.0  |
| 32.5° | 697.0  | 659.0  | 515.0 | 149.0 | 41.0  | 31.0  | 23.0  | 19.0  | 17.0  | 17.0  | 17.0  |
| 35°   | 753.0  | 700.0  | 484.0 | 89.0  | 35.0  | 26.0  | 19.0  | 16.0  | 15.0  | 15.0  | 15.0  |
| 37.5° | 825.1  | 763.0  | 456.0 | 52.0  | 29.0  | 21.0  | 16.0  | 14.0  | 13.0  | 13.0  | 13.0  |
| 40°   | 903.1  | 834.1  | 423.0 | 37.0  | 24.0  | 18.0  | 14.0  | 12.0  | 11.0  | 11.0  | 12.0  |
| 42.5° | 1001.1 | 915.1  | 377.0 | 32.0  | 21.0  | 15.0  | 12.0  | 10.0  | 9.0   | 10.0  | 10.0  |
| 45°   | 1091.1 | 1001.1 | 323.0 | 27.0  | 18.0  | 13.0  | 10.0  | 8.0   | 8.0   | 9.0   | 9.0   |
| 47.5° | 1203.1 | 1087.1 | 254.0 | 24.0  | 16.0  | 11.0  | 8.0   | 7.0   | 7.0   | 8.0   | 8.0   |
| 50°   | 1305.1 | 1174.1 | 187.0 | 21.0  | 14.0  | 9.0   | 7.0   | 6.0   | 6.0   | 6.0   | 7.0   |
| 52.5° | 1408.1 | 1261.1 | 143.0 | 18.0  | 12.0  | 8.0   | 6.0   | 5.0   | 4.0   | 5.0   | 5.0   |
| 55°   | 1504.1 | 1330.1 | 109.0 | 16.0  | 10.0  | 7.0   | 5.0   | 4.0   | 3.0   | 4.0   | 4.0   |
| 57.5° | 1594.1 | 1383.1 | 89.0  | 14.0  | 9.0   | 6.0   | 4.0   | 3.0   | 3.0   | 3.0   | 3.0   |
| 60°   | 1662.1 | 1424.1 | 68.0  | 12.0  | 8.0   | 5.0   | 3.0   | 2.0   | 2.0   | 2.0   | 2.0   |
| 62.5° | 1722.1 | 1449.1 | 54.0  | 10.0  | 7.0   | 4.0   | 2.0   | 2.0   | 1.0   | 1.0   | 1.0   |
| 65°   | 1759.1 | 1453.1 | 43.0  | 9.0   | 6.0   | 4.0   | 2.0   | 1.0   | 0.0   | 0.0   | 0.0   |
| 67.5° | 1774.1 | 1437.1 | 35.0  | 7.0   | 5.0   | 3.0   | 2.0   | 1.0   | 0.0   | 0.0   | 0.0   |
| 70°   | 1768.1 | 1384.1 | 27.0  | 6.0   | 4.0   | 2.0   | 2.0   | 1.0   | 0.0   | 0.0   | 0.0   |
| 72.5° | 1690.1 | 1227.1 | 20.0  | 5.0   | 3.0   | 2.0   | 1.0   | 1.0   | 0.0   | 0.0   | 0.0   |
| 75°   | 1322.1 | 661.0  | 14.0  | 4.0   | 2.0   | 2.0   | 1.0   | 1.0   | 0.0   | 0.0   | 0.0   |
| 77.5° | 700.0  | 235.0  | 9.0   | 3.0   | 2.0   | 1.0   | 1.0   | 1.0   | 0.0   | 0.0   | 0.0   |
| 80°   | 126.0  | 49.0   | 4.0   | 2.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.0   | 0.0   | 0.0   |
| 82.5° | 20.0   | 5.0    | 2.0   | 2.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.0   | 0.0   | 0.0   |
| 85°   | 7.0    | 3.0    | 2.0   | 2.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 2.0    | 2.0    | 2.0   | 2.0   | 1.0   | 1.0   | 1.0   | 0.0   | 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   |

(END OF REPORT)