

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: INVUE

Report Number: P673718

Luminaire Tested: **CCP-SA-1C-760-U-SL2-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673718
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-760-U-SL2-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ SL2 distribution lens and House Side Shield
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

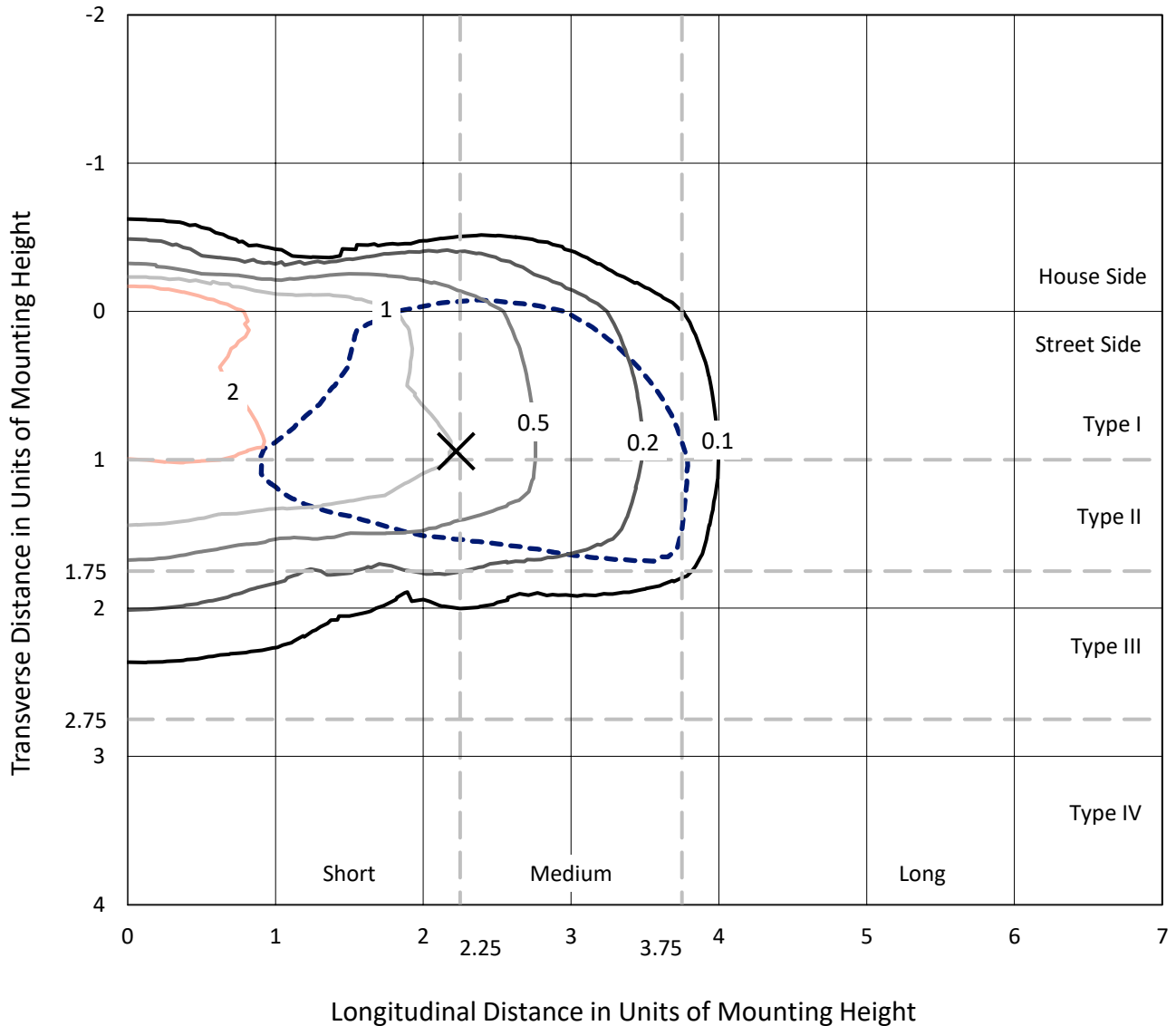
Lumens per Lamp: N/A
Luminaire Lumens: 3719.1 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
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

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Iso-Footcandle Lines of Horizontal Illumination

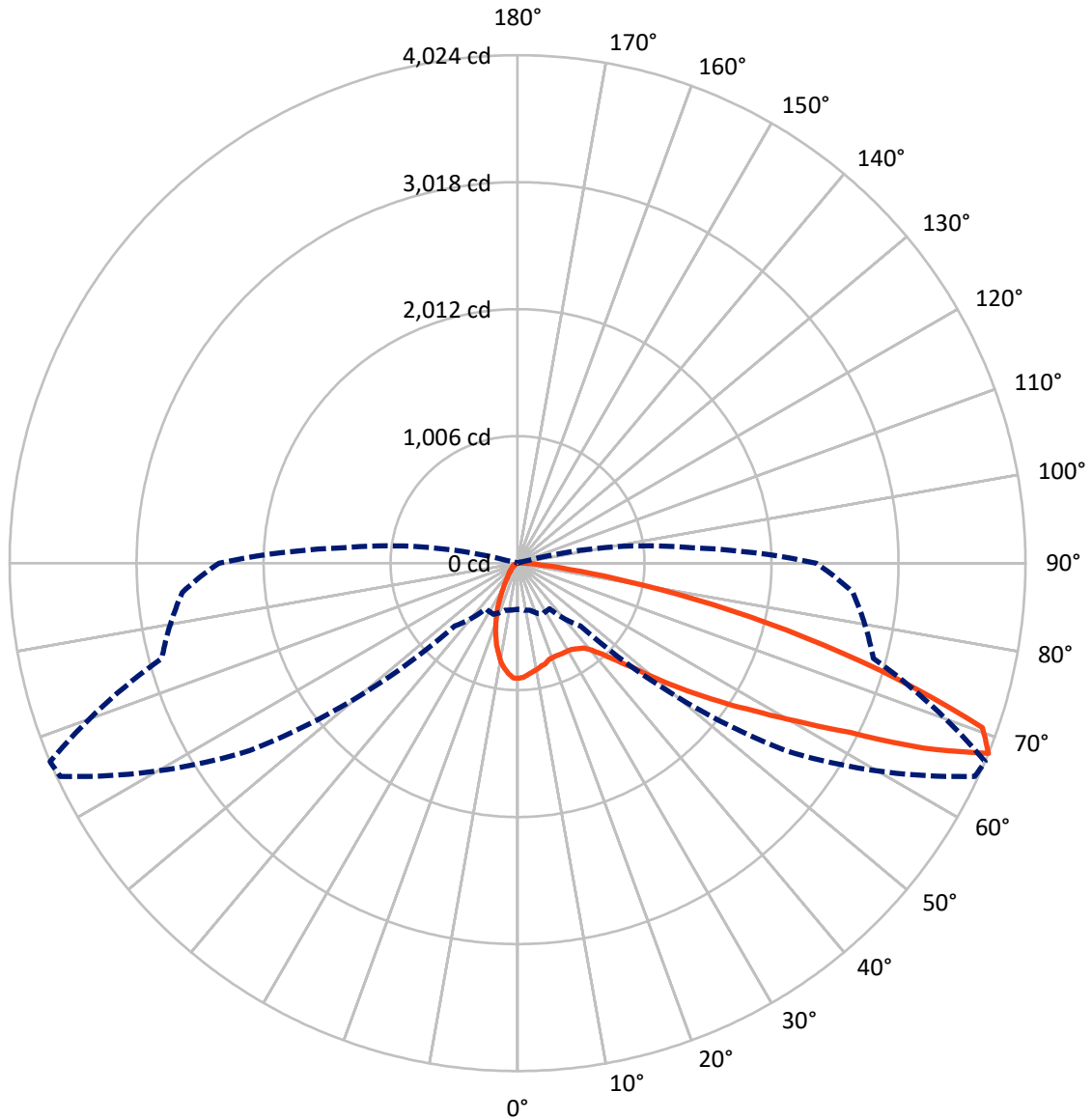
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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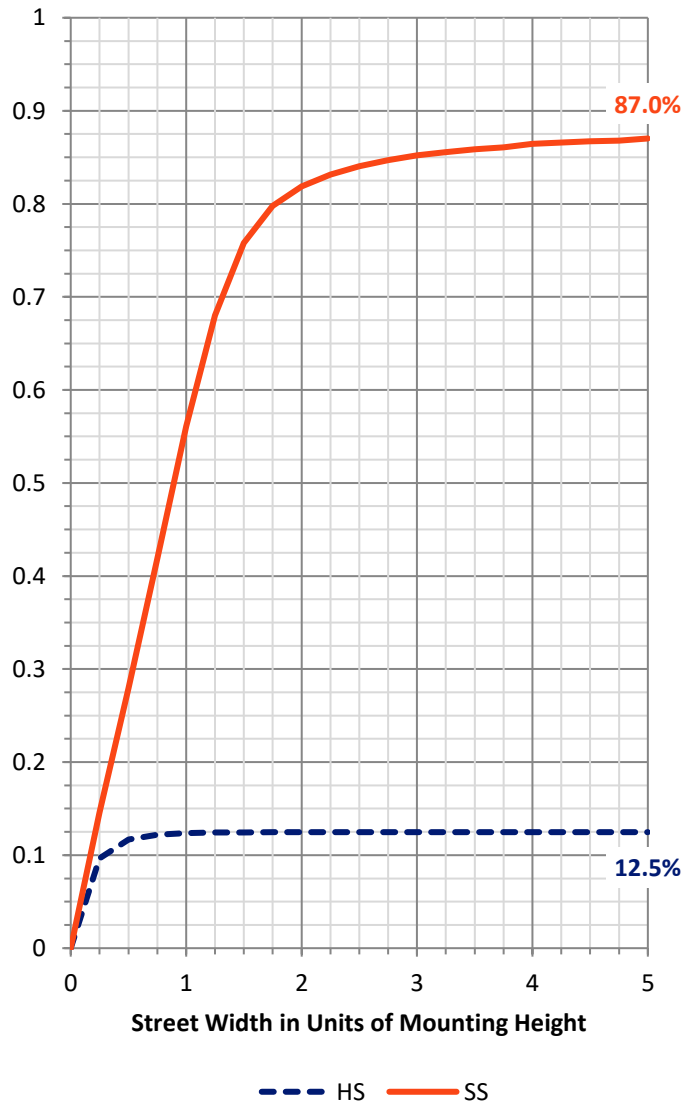
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 468.1 | 0.0 | 468.1 |
| | % Fixture | 12.6 | 0.0 | 12.6 |
| Street Side | Lumens | 3251.0 | 0.0 | 3251.0 |
| | % Fixture | 87.4 | 0.0 | 87.4 |
| Total | Lumens | 3719.1 | 0.0 | 3719.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 76.9 | 2.1 |
| 10°-20° | 170.7 | 4.6 |
| 20°-30° | 242.8 | 6.5 |
| 30°-40° | 353.5 | 9.5 |
| 40°-50° | 547.2 | 14.7 |
| 50°-60° | 839.7 | 22.6 |
| 60°-70° | 910.3 | 24.5 |
| 70°-80° | 513.5 | 13.8 |
| 80°-90° | 64.5 | 1.7 |
| 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° | 3719.1 | 100.0 |
| 0°-180° | 3719.1 | 100.0 |



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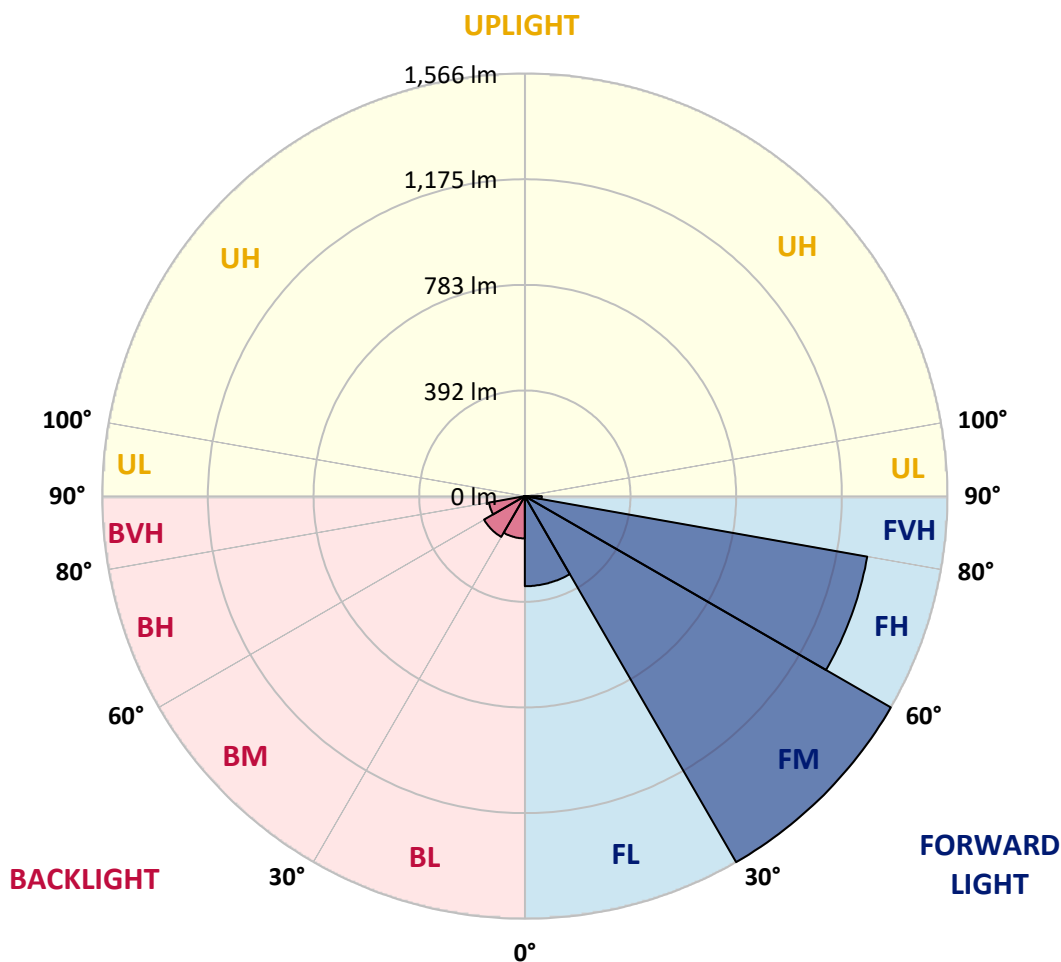
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 333.7 | 9.0 | | | |
| FM (30°-60°) | 1566.1 | 42.1 | | | |
| FH (60°-80°) | 1288.6 | 34.6 | | | G1/1800 |
| FVH (80°-90°) | 62.7 | 1.7 | | | G1/100 |
| BL (0°-30°) | 156.7 | 4.2 | B1/500 | | |
| BM (30°-60°) | 174.3 | 4.7 | B0/220 | | |
| BH (60°-80°) | 135.2 | 3.6 | B1/500 | | G1/500 |
| BVH (80°-90°) | 1.9 | 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° | 912.2 | 912.2 | 912.2 | 912.2 | 912.2 | 912.2 | 912.2 | 912.2 | 912.2 | 912.2 | 912.2 |
| 2.5° | 872.8 | 877.3 | 883.5 | 892.5 | 898.8 | 895.2 | 897.9 | 913.1 | 905.0 | 912.2 | 908.6 |
| 5° | 824.4 | 828.9 | 837.8 | 836.9 | 844.1 | 857.6 | 875.5 | 895.2 | 886.2 | 907.7 | 915.8 |
| 7.5° | 774.2 | 772.4 | 772.4 | 791.2 | 806.5 | 825.3 | 835.2 | 867.4 | 868.3 | 887.1 | 906.8 |
| 10° | 728.5 | 733.9 | 742.9 | 750.0 | 764.4 | 791.2 | 819.9 | 845.0 | 854.9 | 892.5 | 897.9 |
| 12.5° | 700.7 | 703.4 | 714.2 | 720.5 | 739.3 | 765.3 | 795.7 | 828.0 | 836.0 | 874.6 | 900.6 |
| 15° | 689.1 | 695.4 | 698.9 | 710.6 | 720.5 | 744.6 | 767.1 | 803.8 | 827.1 | 857.6 | 889.8 |
| 17.5° | 698.1 | 695.4 | 697.2 | 700.7 | 712.4 | 733.9 | 758.1 | 794.8 | 802.9 | 854.0 | 902.4 |
| 20° | 709.7 | 710.6 | 705.2 | 703.4 | 700.7 | 721.4 | 741.1 | 788.6 | 797.5 | 854.0 | 910.4 |
| 22.5° | 741.1 | 731.2 | 741.1 | 726.7 | 712.4 | 721.4 | 740.2 | 789.5 | 795.7 | 853.1 | 918.5 |
| 25° | 779.6 | 781.4 | 784.1 | 753.6 | 733.0 | 726.7 | 746.4 | 792.1 | 797.5 | 860.2 | 922.1 |
| 27.5° | 834.3 | 842.3 | 828.9 | 813.6 | 772.4 | 741.1 | 745.5 | 790.3 | 800.2 | 856.7 | 931.0 |
| 30° | 907.7 | 901.5 | 903.3 | 868.3 | 828.0 | 778.7 | 766.2 | 794.8 | 802.0 | 861.1 | 948.1 |
| 32.5° | 971.4 | 964.2 | 976.7 | 964.2 | 900.6 | 832.5 | 790.3 | 803.8 | 811.9 | 871.9 | 962.4 |
| 35° | 1010.8 | 1019.7 | 1039.5 | 1052.9 | 999.1 | 902.4 | 830.7 | 828.0 | 831.6 | 877.3 | 973.2 |
| 37.5° | 1071.7 | 1087.9 | 1104.0 | 1138.0 | 1091.4 | 988.4 | 894.3 | 859.3 | 853.1 | 903.3 | 978.5 |
| 40° | 1138.0 | 1133.6 | 1181.0 | 1221.4 | 1219.6 | 1109.4 | 983.0 | 914.9 | 905.9 | 944.5 | 1014.4 |
| 42.5° | 1193.6 | 1189.1 | 1242.0 | 1308.3 | 1315.5 | 1225.8 | 1084.3 | 993.8 | 985.7 | 1008.1 | 1058.3 |
| 45° | 1266.2 | 1269.8 | 1332.5 | 1411.3 | 1437.3 | 1380.0 | 1221.4 | 1106.7 | 1102.2 | 1095.0 | 1141.6 |
| 47.5° | 1330.7 | 1350.4 | 1404.2 | 1497.4 | 1591.5 | 1539.5 | 1382.7 | 1271.5 | 1240.2 | 1224.1 | 1270.7 |
| 50° | 1375.5 | 1393.4 | 1458.8 | 1558.3 | 1730.3 | 1763.5 | 1563.7 | 1447.2 | 1448.1 | 1408.6 | 1433.7 |
| 52.5° | 1375.5 | 1374.6 | 1427.5 | 1558.3 | 1827.1 | 1997.4 | 1805.6 | 1668.5 | 1675.7 | 1634.5 | 1636.3 |
| 55° | 1242.9 | 1240.2 | 1304.7 | 1443.6 | 1816.4 | 2222.3 | 2172.1 | 1949.0 | 1931.1 | 1851.3 | 1859.4 |
| 57.5° | 1000.9 | 1007.2 | 1056.5 | 1223.2 | 1676.6 | 2327.1 | 2608.5 | 2264.4 | 2203.5 | 2038.6 | 2038.6 |
| 60° | 730.3 | 724.9 | 761.7 | 878.2 | 1343.2 | 2287.7 | 2966.9 | 2636.3 | 2540.4 | 2193.6 | 2170.3 |
| 62.5° | 555.6 | 554.7 | 564.5 | 604.0 | 852.2 | 1994.7 | 3121.1 | 3109.4 | 2953.5 | 2346.0 | 2312.8 |
| 65° | 448.9 | 450.7 | 464.2 | 492.0 | 520.6 | 1360.3 | 3039.5 | 3674.0 | 3531.5 | 2572.7 | 2464.2 |
| 67.5° | 366.5 | 371.0 | 387.1 | 447.1 | 440.9 | 704.3 | 2588.8 | 3997.4 | 4024.3 | 2918.6 | 2667.7 |
| 70° | 282.3 | 289.4 | 308.3 | 393.4 | 424.7 | 468.7 | 1794.9 | 3836.2 | 3907.8 | 3133.6 | 2544.9 |
| 72.5° | 191.8 | 190.9 | 231.2 | 319.0 | 429.2 | 429.2 | 999.1 | 3089.7 | 3157.8 | 2889.0 | 2210.6 |
| 75° | 103.9 | 110.2 | 153.2 | 241.0 | 393.4 | 414.9 | 569.0 | 2260.8 | 2356.7 | 2246.5 | 1709.7 |
| 77.5° | 56.5 | 57.3 | 85.1 | 157.7 | 327.1 | 396.1 | 379.9 | 1537.7 | 1575.3 | 1354.9 | 936.4 |
| 80° | 29.6 | 30.5 | 44.8 | 103.1 | 225.8 | 367.4 | 316.3 | 916.7 | 880.9 | 519.7 | 309.2 |
| 82.5° | 13.4 | 14.3 | 22.4 | 64.5 | 144.3 | 289.4 | 273.3 | 442.7 | 408.6 | 145.2 | 94.1 |
| 85° | 5.4 | 5.4 | 9.9 | 38.5 | 84.2 | 142.5 | 233.9 | 222.2 | 185.5 | 43.9 | 46.6 |
| 87.5° | 1.8 | 1.8 | 2.7 | 15.2 | 34.1 | 85.1 | 124.6 | 117.4 | 80.6 | 16.1 | 25.1 |
| 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° | 912.2 | 912.2 | 912.2 | 912.2 | 912.2 | 912.2 | 912.2 | 912.2 | 912.2 | 912.2 | 912.2 |
| 2.5° | 905.0 | 914.9 | 912.2 | 910.4 | 893.4 | 891.6 | 889.8 | 873.7 | 879.1 | 865.6 | 874.6 |
| 5° | 910.4 | 915.8 | 901.5 | 874.6 | 850.4 | 823.5 | 802.9 | 788.6 | 762.6 | 752.7 | 750.9 |
| 7.5° | 905.0 | 905.0 | 875.5 | 832.5 | 785.0 | 741.1 | 685.5 | 646.1 | 616.5 | 594.1 | 602.2 |
| 10° | 897.9 | 887.1 | 856.7 | 780.5 | 694.5 | 628.2 | 548.4 | 490.2 | 446.3 | 431.9 | 423.0 |
| 12.5° | 897.9 | 879.1 | 811.0 | 707.0 | 595.9 | 495.5 | 400.6 | 324.4 | 282.3 | 257.2 | 253.6 |
| 15° | 889.8 | 862.0 | 777.8 | 638.0 | 500.0 | 363.8 | 255.4 | 190.0 | 154.1 | 144.3 | 140.7 |
| 17.5° | 891.6 | 858.5 | 728.5 | 556.5 | 388.0 | 241.9 | 155.9 | 120.1 | 111.1 | 106.6 | 107.5 |
| 20° | 895.2 | 858.5 | 684.6 | 476.7 | 279.6 | 150.5 | 107.5 | 101.3 | 96.8 | 95.0 | 95.9 |
| 22.5° | 906.8 | 841.4 | 639.8 | 395.2 | 189.1 | 108.4 | 95.0 | 88.7 | 85.1 | 82.4 | 81.5 |
| 25° | 908.6 | 838.7 | 596.8 | 314.5 | 129.9 | 91.4 | 83.3 | 76.2 | 71.7 | 68.1 | 67.2 |
| 27.5° | 905.9 | 827.1 | 536.8 | 233.9 | 97.7 | 81.5 | 70.8 | 63.6 | 57.3 | 54.7 | 53.8 |
| 30° | 915.8 | 805.6 | 485.7 | 168.5 | 82.4 | 70.8 | 60.0 | 52.0 | 46.6 | 43.0 | 43.0 |
| 32.5° | 916.7 | 786.8 | 429.2 | 120.1 | 75.3 | 62.7 | 51.1 | 42.1 | 36.7 | 34.9 | 34.9 |
| 35° | 917.6 | 769.7 | 366.5 | 91.4 | 67.2 | 53.8 | 42.1 | 34.9 | 31.4 | 28.7 | 28.7 |
| 37.5° | 920.3 | 757.2 | 309.2 | 77.1 | 60.0 | 45.7 | 34.9 | 28.7 | 25.1 | 24.2 | 24.2 |
| 40° | 925.7 | 740.2 | 249.1 | 68.1 | 52.0 | 38.5 | 29.6 | 24.2 | 20.6 | 19.7 | 18.8 |
| 42.5° | 940.0 | 735.7 | 198.9 | 60.9 | 46.6 | 32.3 | 24.2 | 19.7 | 17.0 | 15.2 | 14.3 |
| 45° | 999.1 | 747.3 | 154.1 | 56.5 | 39.4 | 26.9 | 20.6 | 16.1 | 12.5 | 11.6 | 10.8 |
| 47.5° | 1095.9 | 785.9 | 121.9 | 50.2 | 33.2 | 22.4 | 17.0 | 12.5 | 9.9 | 9.0 | 8.1 |
| 50° | 1242.9 | 873.7 | 99.5 | 44.8 | 27.8 | 18.8 | 13.4 | 9.9 | 7.2 | 6.3 | 6.3 |
| 52.5° | 1435.5 | 992.0 | 86.0 | 39.4 | 22.4 | 16.1 | 10.8 | 7.2 | 5.4 | 4.5 | 4.5 |
| 55° | 1632.7 | 1131.8 | 80.6 | 34.1 | 18.8 | 13.4 | 8.1 | 5.4 | 3.6 | 2.7 | 2.7 |
| 57.5° | 1813.7 | 1222.3 | 78.0 | 27.8 | 16.1 | 9.9 | 6.3 | 3.6 | 1.8 | 0.9 | 0.9 |
| 60° | 1926.6 | 1288.6 | 69.9 | 22.4 | 12.5 | 8.1 | 4.5 | 1.8 | 0.9 | 0.0 | 0.0 |
| 62.5° | 2075.3 | 1355.8 | 57.3 | 17.0 | 9.0 | 5.4 | 2.7 | 0.9 | 0.0 | 0.0 | 0.0 |
| 65° | 2271.6 | 1431.1 | 44.8 | 13.4 | 7.2 | 3.6 | 1.8 | 0.9 | 0.0 | 0.0 | 0.0 |
| 67.5° | 2365.7 | 1391.6 | 30.5 | 9.9 | 4.5 | 1.8 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 2177.5 | 1172.1 | 21.5 | 7.2 | 2.7 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 1830.7 | 918.5 | 16.1 | 4.5 | 1.8 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 1349.5 | 574.4 | 12.5 | 3.6 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 716.0 | 214.2 | 9.0 | 2.7 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 211.5 | 62.7 | 6.3 | 1.8 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 69.9 | 18.8 | 3.6 | 1.8 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 35.8 | 7.2 | 1.8 | 1.8 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 20.6 | 2.7 | 1.8 | 1.8 | 0.9 | 0.0 | 0.0 | 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)