

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: P673260

Luminaire Tested: **CCP-SA-2D-735-U-T3-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673260
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-735-U-T3-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T3 distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

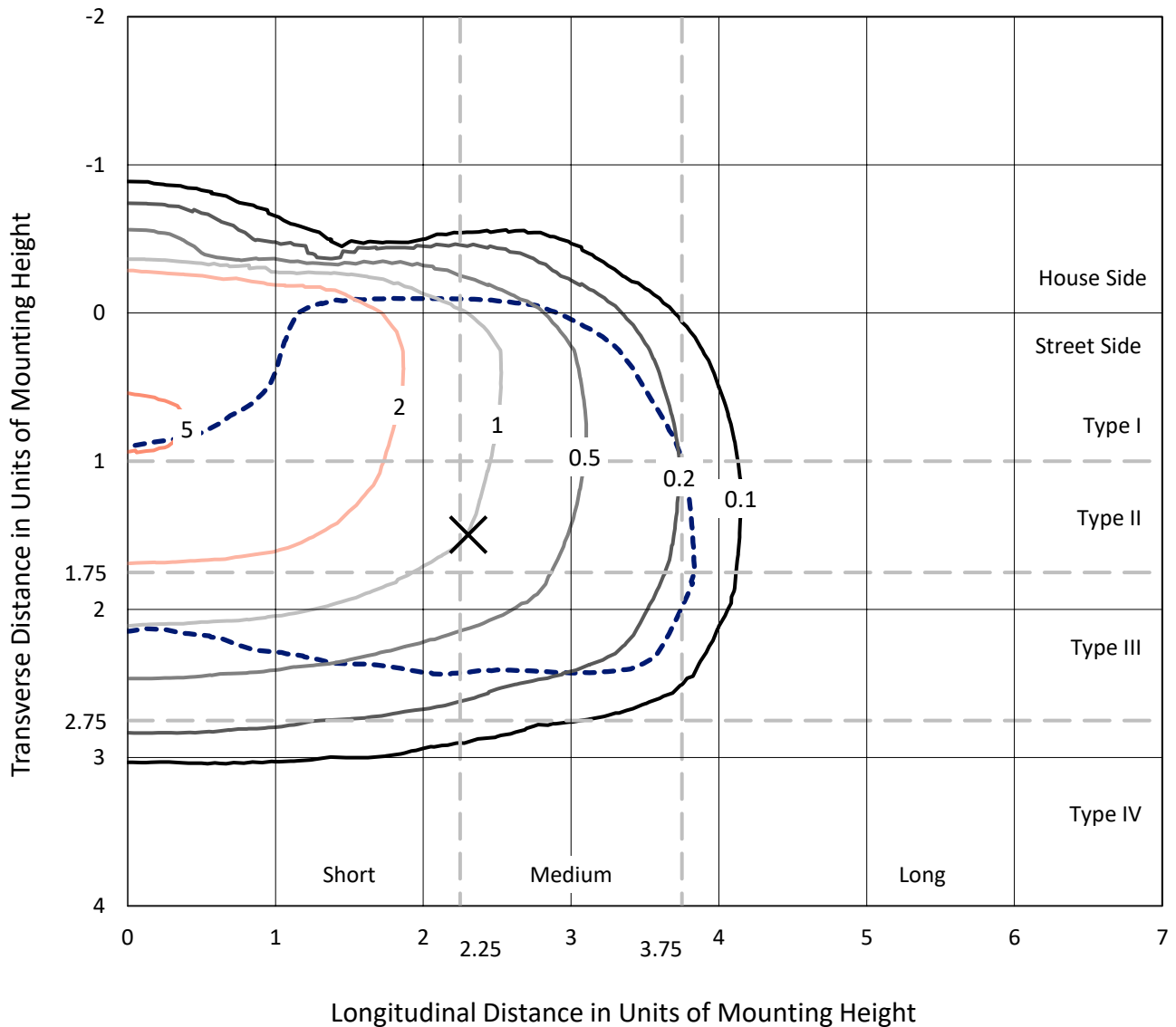
Lumens per Lamp: N/A
Luminaire Lumens: 7924.5 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8
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

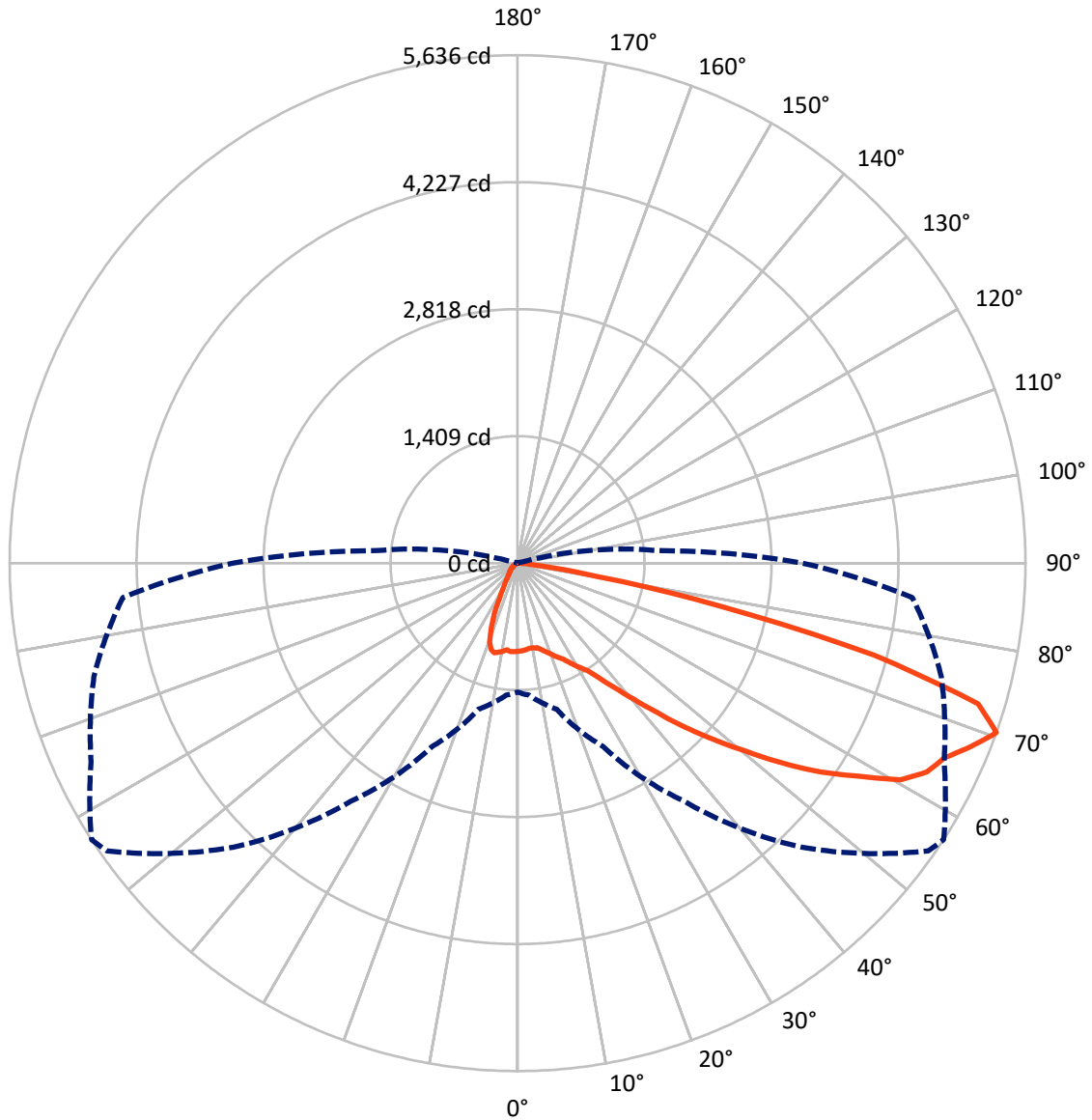
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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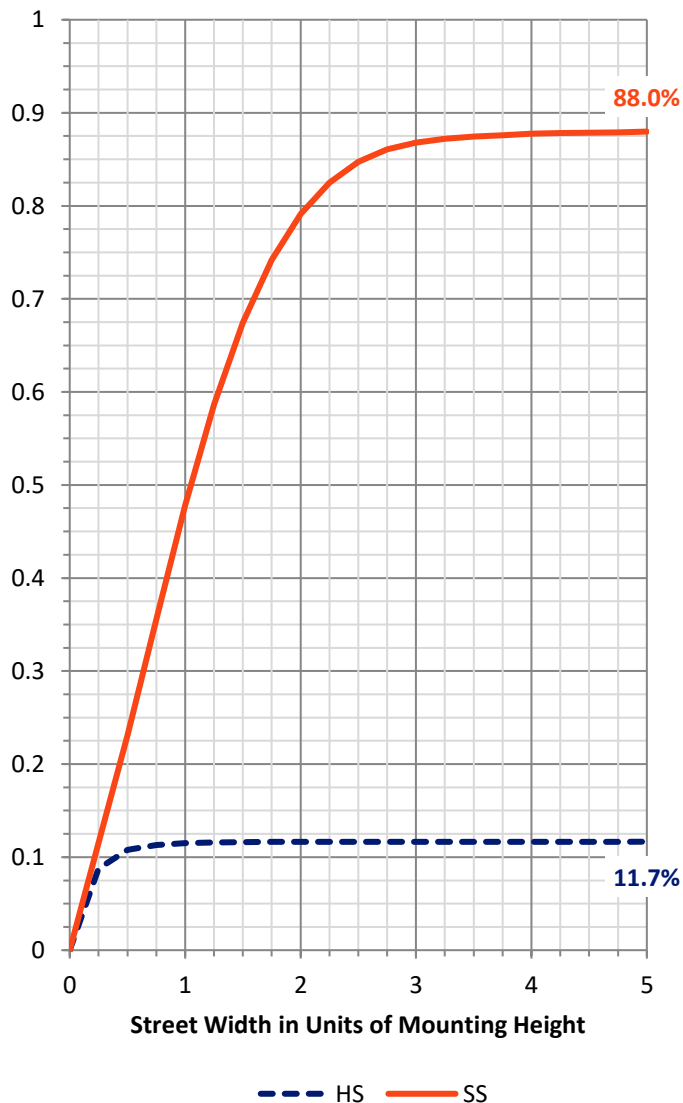
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 934.1 | 0.0 | 934.1 |
| | % Fixture | 11.8 | 0.0 | 11.8 |
| Street Side | Lumens | 6990.4 | 0.0 | 6990.4 |
| | % Fixture | 88.2 | 0.0 | 88.2 |
| Total | Lumens | 7924.5 | 0.0 | 7924.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 91.4 | 1.2 |
| 10°-20° | 255.5 | 3.2 |
| 20°-30° | 430.3 | 5.4 |
| 30°-40° | 736.5 | 9.3 |
| 40°-50° | 1236.6 | 15.6 |
| 50°-60° | 1898.2 | 24.0 |
| 60°-70° | 2191.6 | 27.7 |
| 70°-80° | 1035.2 | 13.1 |
| 80°-90° | 49.1 | 0.6 |
| 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° | 7924.5 | 100.0 |
| 0°-180° | 7924.5 | 100.0 |



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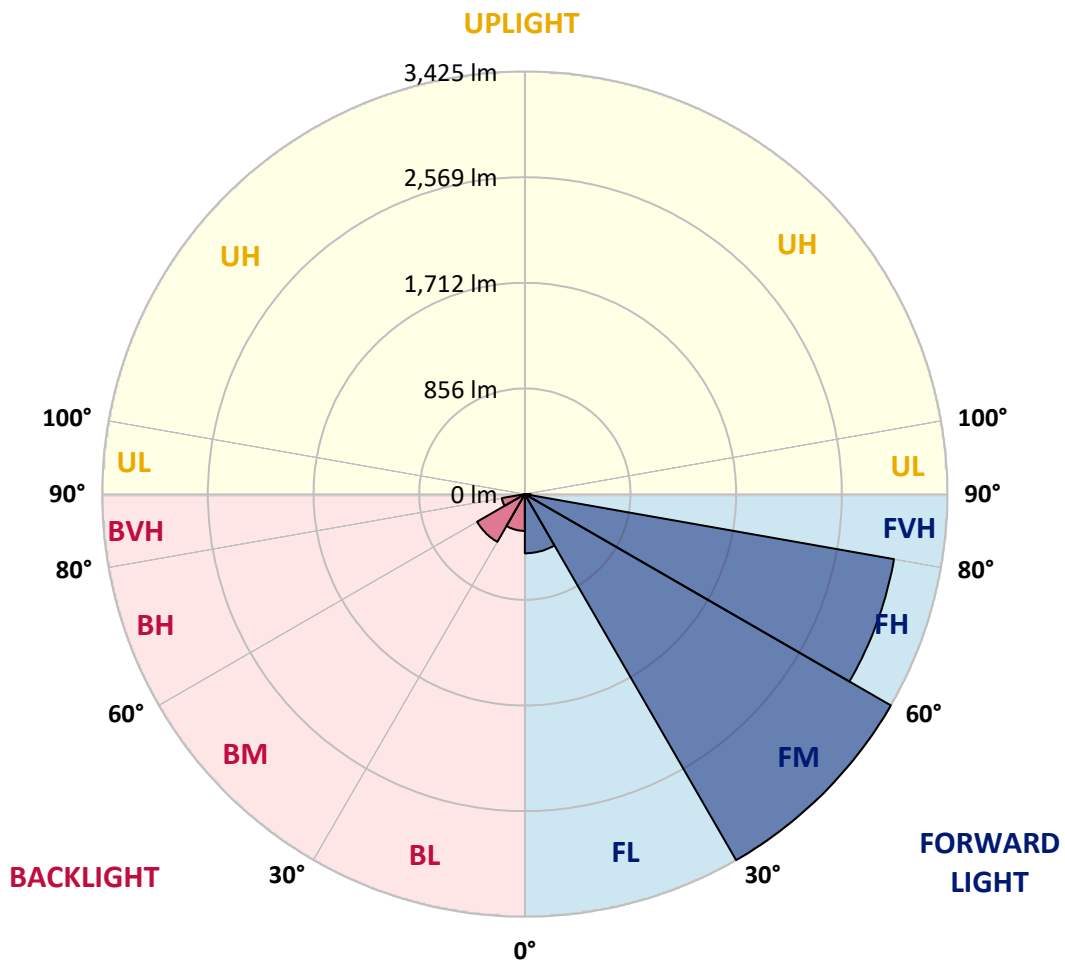
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 479.4 | 6.0 | | | |
| FM (30°-60°) | 3424.9 | 43.2 | | | |
| FH (60°-80°) | 3037.9 | 38.3 | | | G2/5000 |
| FVH (80°-90°) | 48.2 | 0.6 | | | G1/100 |
| BL (0°-30°) | 297.8 | 3.8 | B1/500 | | |
| BM (30°-60°) | 446.5 | 5.6 | B1/1000 | | |
| BH (60°-80°) | 188.9 | 2.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 0.9 | 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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 57° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 977.8 | 977.8 | 977.8 | 977.8 | 977.8 | 977.8 | 977.8 | 977.8 | 977.8 | 977.8 | 977.8 |
| 2.5° | 963.6 | 957.5 | 963.6 | 971.7 | 963.6 | 969.7 | 967.7 | 973.7 | 965.6 | 965.6 | 971.7 |
| 5° | 900.9 | 911.0 | 915.0 | 925.1 | 935.3 | 953.5 | 965.6 | 965.6 | 977.8 | 983.9 | 992.0 |
| 7.5° | 878.6 | 862.4 | 878.6 | 886.7 | 896.8 | 927.2 | 945.4 | 953.5 | 969.7 | 992.0 | 1004.1 |
| 10° | 846.2 | 858.3 | 858.3 | 884.7 | 898.8 | 917.1 | 949.4 | 955.5 | 992.0 | 1014.2 | 1026.4 |
| 12.5° | 844.2 | 844.2 | 854.3 | 872.5 | 900.9 | 935.3 | 975.8 | 963.6 | 1002.1 | 1042.6 | 1062.8 |
| 15° | 850.2 | 864.4 | 864.4 | 888.7 | 911.0 | 959.6 | 994.0 | 996.0 | 1050.7 | 1091.1 | 1109.4 |
| 17.5° | 876.6 | 870.5 | 878.6 | 892.8 | 927.2 | 973.7 | 1030.4 | 1036.5 | 1099.2 | 1153.9 | 1180.2 |
| 20° | 931.2 | 941.3 | 929.2 | 921.1 | 935.3 | 996.0 | 1068.9 | 1081.0 | 1151.9 | 1204.5 | 1230.8 |
| 22.5° | 1135.7 | 1127.6 | 1079.0 | 1022.3 | 998.0 | 1026.4 | 1105.3 | 1133.7 | 1216.7 | 1279.4 | 1301.7 |
| 25° | 1366.5 | 1352.3 | 1295.6 | 1210.6 | 1099.2 | 1087.1 | 1178.2 | 1178.2 | 1297.6 | 1366.5 | 1360.4 |
| 27.5° | 1585.1 | 1581.1 | 1514.2 | 1425.2 | 1267.3 | 1180.2 | 1236.9 | 1259.2 | 1388.7 | 1445.4 | 1419.1 |
| 30° | 1807.8 | 1811.8 | 1751.1 | 1643.8 | 1477.8 | 1330.0 | 1319.9 | 1338.1 | 1457.6 | 1546.6 | 1492.0 |
| 32.5° | 2066.9 | 2030.5 | 1988.0 | 1840.2 | 1688.3 | 1522.3 | 1427.2 | 1419.1 | 1534.5 | 1615.5 | 1542.6 |
| 35° | 2297.7 | 2275.4 | 2228.9 | 2095.2 | 1921.1 | 1722.8 | 1589.1 | 1568.9 | 1631.7 | 1739.0 | 1660.0 |
| 37.5° | 2500.1 | 2477.9 | 2417.1 | 2328.1 | 2192.4 | 1971.8 | 1783.5 | 1753.1 | 1779.4 | 1892.8 | 1797.7 |
| 40° | 2674.2 | 2680.3 | 2664.1 | 2577.1 | 2451.5 | 2251.1 | 2034.5 | 1985.9 | 1963.7 | 2064.9 | 1957.6 |
| 42.5° | 2799.7 | 2858.4 | 2862.5 | 2755.2 | 2654.0 | 2544.7 | 2301.7 | 2263.3 | 2210.6 | 2295.7 | 2220.8 |
| 45° | 3062.9 | 3030.5 | 3050.8 | 3012.3 | 2901.0 | 2884.8 | 2609.4 | 2587.2 | 2514.3 | 2542.6 | 2463.7 |
| 47.5° | 3269.4 | 3263.3 | 3301.8 | 3239.0 | 3208.7 | 3210.7 | 2959.7 | 2921.2 | 2818.0 | 2870.6 | 2781.5 |
| 50° | 3388.8 | 3356.4 | 3496.1 | 3544.7 | 3538.6 | 3562.9 | 3313.9 | 3281.5 | 3182.3 | 3259.3 | 3069.0 |
| 52.5° | 3417.2 | 3475.9 | 3607.5 | 3783.6 | 3858.5 | 3909.1 | 3700.6 | 3688.4 | 3581.2 | 3629.7 | 3366.6 |
| 55° | 3488.0 | 3544.7 | 3621.6 | 3911.1 | 4188.5 | 4200.6 | 4081.2 | 4093.3 | 3998.2 | 3986.0 | 3650.0 |
| 57.5° | 3486.0 | 3473.9 | 3686.4 | 4022.5 | 4407.1 | 4581.2 | 4516.4 | 4457.7 | 4354.5 | 4235.0 | 3832.2 |
| 60° | 3358.5 | 3352.4 | 3573.1 | 4036.6 | 4526.5 | 4925.3 | 4951.7 | 4882.8 | 4623.7 | 4447.6 | 4046.8 |
| 62.5° | 3105.4 | 3129.7 | 3352.4 | 3915.2 | 4639.9 | 5048.8 | 5146.0 | 5099.4 | 4777.6 | 4589.3 | 4299.8 |
| 65° | 2815.9 | 2765.3 | 3024.4 | 3611.5 | 4384.8 | 5012.4 | 5222.9 | 5206.7 | 4959.8 | 4743.2 | 4532.6 |
| 67.5° | 2259.2 | 2281.5 | 2479.9 | 3107.4 | 3949.6 | 4878.8 | 5403.1 | 5427.4 | 5105.5 | 4878.8 | 4603.5 |
| 70° | 1431.2 | 1471.7 | 1678.2 | 2245.1 | 3224.9 | 4457.7 | 5565.1 | 5635.9 | 5220.9 | 4866.6 | 4397.0 |
| 72.5° | 417.0 | 433.2 | 714.6 | 1119.5 | 2054.8 | 3575.1 | 5305.9 | 5342.4 | 4996.2 | 4417.2 | 3401.0 |
| 75° | 137.7 | 145.8 | 210.5 | 364.4 | 805.7 | 1848.3 | 3919.2 | 4091.3 | 3975.9 | 3202.6 | 1945.4 |
| 77.5° | 91.1 | 95.1 | 115.4 | 174.1 | 305.7 | 579.0 | 2101.3 | 2285.5 | 2241.0 | 1500.1 | 627.6 |
| 80° | 66.8 | 68.8 | 85.0 | 117.4 | 186.2 | 208.5 | 775.3 | 896.8 | 866.4 | 344.1 | 125.5 |
| 82.5° | 42.5 | 42.5 | 62.8 | 83.0 | 117.4 | 103.2 | 224.7 | 249.0 | 242.9 | 131.6 | 48.6 |
| 85° | 28.3 | 30.4 | 46.6 | 64.8 | 64.8 | 48.6 | 64.8 | 74.9 | 81.0 | 70.9 | 22.3 |
| 87.5° | 8.1 | 10.1 | 26.3 | 44.5 | 26.3 | 24.3 | 22.3 | 24.3 | 28.3 | 38.5 | 12.1 |
| 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° | 977.8 | 977.8 | 977.8 | 977.8 | 977.8 | 977.8 | 977.8 | 977.8 | 977.8 | 977.8 | 977.8 |
| 2.5° | 977.8 | 985.9 | 983.9 | 987.9 | 981.8 | 975.8 | 981.8 | 981.8 | 981.8 | 975.8 | 971.7 |
| 5° | 985.9 | 981.8 | 985.9 | 977.8 | 985.9 | 977.8 | 973.7 | 961.6 | 959.6 | 959.6 | 967.7 |
| 7.5° | 998.0 | 1002.1 | 983.9 | 983.9 | 965.6 | 969.7 | 959.6 | 961.6 | 957.5 | 951.5 | 947.4 |
| 10° | 1016.2 | 1032.4 | 1014.2 | 1008.1 | 987.9 | 971.7 | 947.4 | 935.3 | 935.3 | 927.2 | 935.3 |
| 12.5° | 1066.9 | 1060.8 | 1050.7 | 1030.4 | 1006.1 | 973.7 | 915.0 | 856.3 | 807.7 | 771.3 | 789.5 |
| 15° | 1107.3 | 1105.3 | 1091.1 | 1052.7 | 1020.3 | 921.1 | 773.3 | 621.5 | 540.5 | 504.1 | 498.0 |
| 17.5° | 1170.1 | 1164.0 | 1139.7 | 1089.1 | 981.8 | 763.2 | 530.4 | 402.9 | 323.9 | 305.7 | 299.6 |
| 20° | 1228.8 | 1226.8 | 1174.1 | 1109.4 | 884.7 | 556.7 | 346.2 | 265.2 | 242.9 | 245.0 | 240.9 |
| 22.5° | 1291.6 | 1281.4 | 1218.7 | 1085.1 | 704.5 | 370.5 | 247.0 | 236.9 | 228.8 | 226.7 | 230.8 |
| 25° | 1362.4 | 1326.0 | 1263.2 | 1030.4 | 518.2 | 255.1 | 232.8 | 224.7 | 216.6 | 214.6 | 214.6 |
| 27.5° | 1390.8 | 1366.5 | 1283.5 | 898.8 | 328.0 | 222.7 | 218.6 | 208.5 | 198.4 | 192.3 | 190.3 |
| 30° | 1455.5 | 1415.1 | 1303.7 | 706.5 | 232.8 | 204.5 | 198.4 | 186.2 | 172.1 | 162.0 | 162.0 |
| 32.5° | 1520.3 | 1471.7 | 1305.7 | 494.0 | 194.3 | 184.2 | 174.1 | 157.9 | 139.7 | 129.6 | 131.6 |
| 35° | 1601.3 | 1534.5 | 1283.5 | 319.9 | 174.1 | 162.0 | 141.7 | 123.5 | 107.3 | 99.2 | 99.2 |
| 37.5° | 1739.0 | 1676.2 | 1192.4 | 210.5 | 157.9 | 137.7 | 117.4 | 97.2 | 83.0 | 76.9 | 76.9 |
| 40° | 1913.1 | 1832.1 | 1066.9 | 166.0 | 139.7 | 117.4 | 93.1 | 74.9 | 66.8 | 60.7 | 60.7 |
| 42.5° | 2121.6 | 2020.3 | 880.6 | 147.8 | 123.5 | 97.2 | 72.9 | 58.7 | 50.6 | 50.6 | 48.6 |
| 45° | 2330.1 | 2164.1 | 690.3 | 135.6 | 109.3 | 81.0 | 56.7 | 46.6 | 42.5 | 40.5 | 40.5 |
| 47.5° | 2627.7 | 2338.2 | 494.0 | 123.5 | 95.1 | 62.8 | 46.6 | 38.5 | 34.4 | 32.4 | 34.4 |
| 50° | 2913.1 | 2502.2 | 350.2 | 111.3 | 79.0 | 50.6 | 38.5 | 34.4 | 30.4 | 28.3 | 28.3 |
| 52.5° | 3164.1 | 2615.5 | 245.0 | 97.2 | 66.8 | 42.5 | 34.4 | 30.4 | 28.3 | 26.3 | 26.3 |
| 55° | 3301.8 | 2577.1 | 168.0 | 83.0 | 54.7 | 36.4 | 30.4 | 26.3 | 24.3 | 22.3 | 22.3 |
| 57.5° | 3443.5 | 2469.8 | 127.5 | 68.8 | 44.5 | 34.4 | 28.3 | 24.3 | 22.3 | 20.2 | 20.2 |
| 60° | 3562.9 | 2390.8 | 99.2 | 54.7 | 36.4 | 28.3 | 24.3 | 20.2 | 18.2 | 16.2 | 14.2 |
| 62.5° | 3569.0 | 2232.9 | 72.9 | 40.5 | 28.3 | 24.3 | 20.2 | 16.2 | 10.1 | 8.1 | 6.1 |
| 65° | 3593.3 | 2066.9 | 52.6 | 30.4 | 20.2 | 18.2 | 14.2 | 8.1 | 4.0 | 0.0 | 0.0 |
| 67.5° | 3508.3 | 1870.5 | 42.5 | 22.3 | 14.2 | 10.1 | 6.1 | 2.0 | 0.0 | 0.0 | 0.0 |
| 70° | 3162.1 | 1579.0 | 32.4 | 16.2 | 10.1 | 6.1 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 2263.3 | 1026.4 | 22.3 | 12.1 | 4.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 1206.5 | 437.3 | 16.2 | 8.1 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 378.6 | 111.3 | 10.1 | 4.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 83.0 | 30.4 | 6.1 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 28.3 | 12.1 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 10.1 | 4.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 4.0 | 2.0 | 2.0 | 0.0 | 0.0 | 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)