

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: P676303

Luminaire Tested: **CCW-SA-2B-760-U-T2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676303
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-760-U-T2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
T2 distribution lens and House Side Shield
Light Source: (32) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

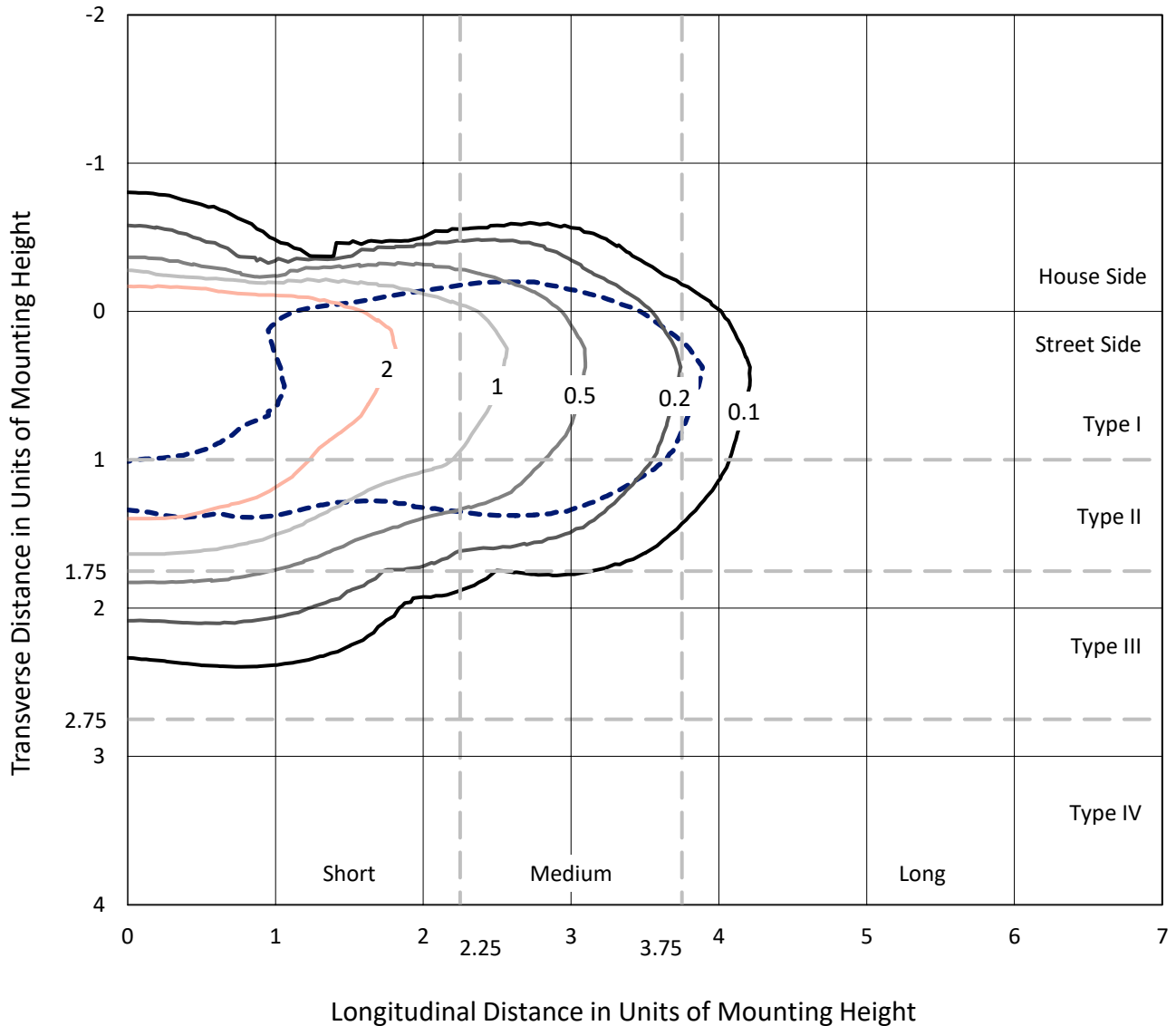
Lumens per Lamp: N/A
Luminaire Lumens: 5453.9 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 46
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

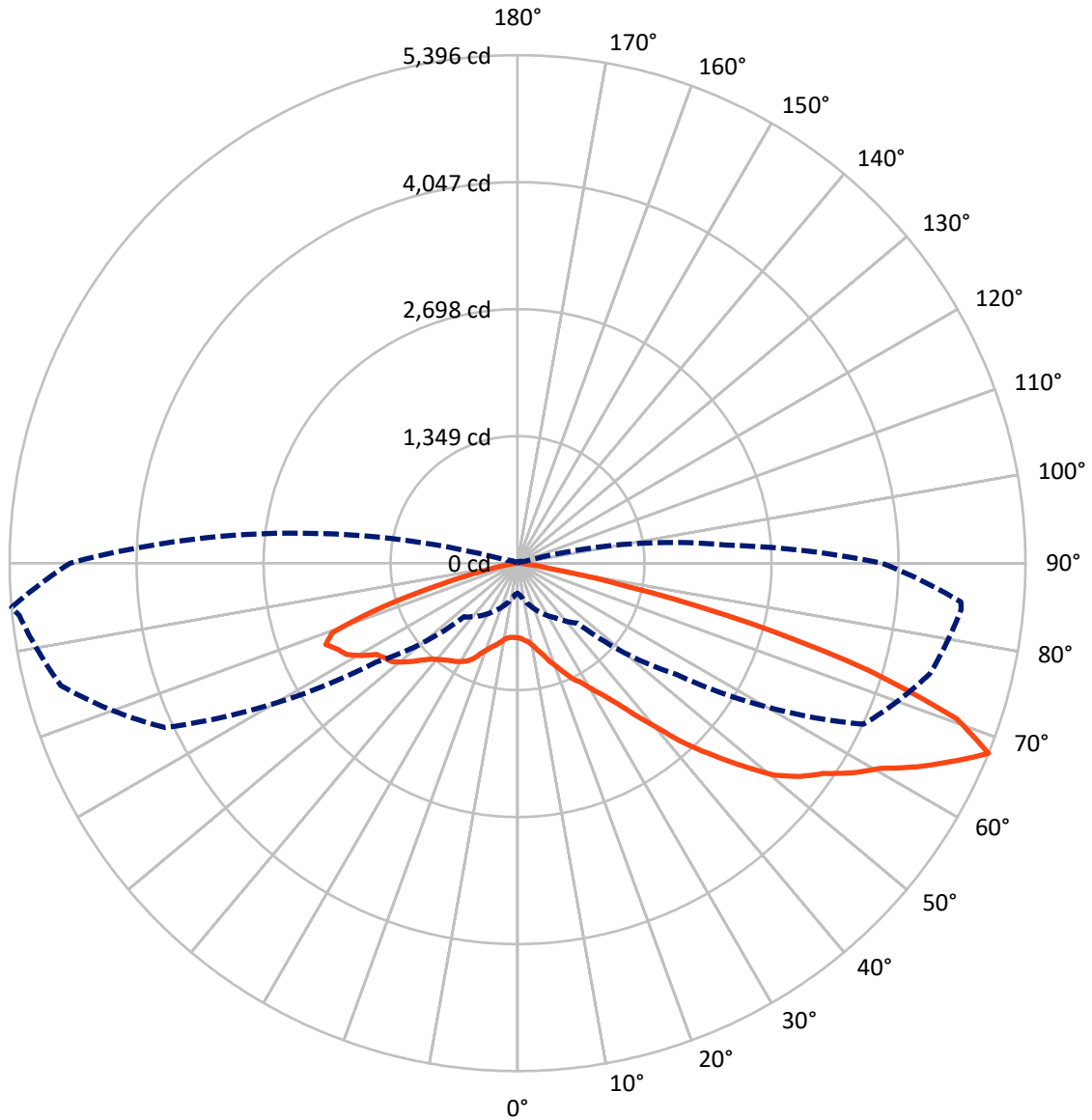
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 774.8 | 0.0 | 774.8 |
| | % Fixture | 14.2 | 0.0 | 14.2 |
| Street Side | Lumens | 4679.1 | 0.0 | 4679.1 |
| | % Fixture | 85.8 | 0.0 | 85.8 |
| Total | Lumens | 5453.9 | 0.0 | 5453.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 72.3 | 1.3 |
| 10°-20° | 194.5 | 3.6 |
| 20°-30° | 322.9 | 5.9 |
| 30°-40° | 555.6 | 10.2 |
| 40°-50° | 998.5 | 18.3 |
| 50°-60° | 1421.4 | 26.1 |
| 60°-70° | 1295.9 | 23.8 |
| 70°-80° | 551.8 | 10.1 |
| 80°-90° | 41.1 | 0.8 |
| 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° | 5453.9 | 100.0 |
| 0°-180° | 5453.9 | 100.0 |



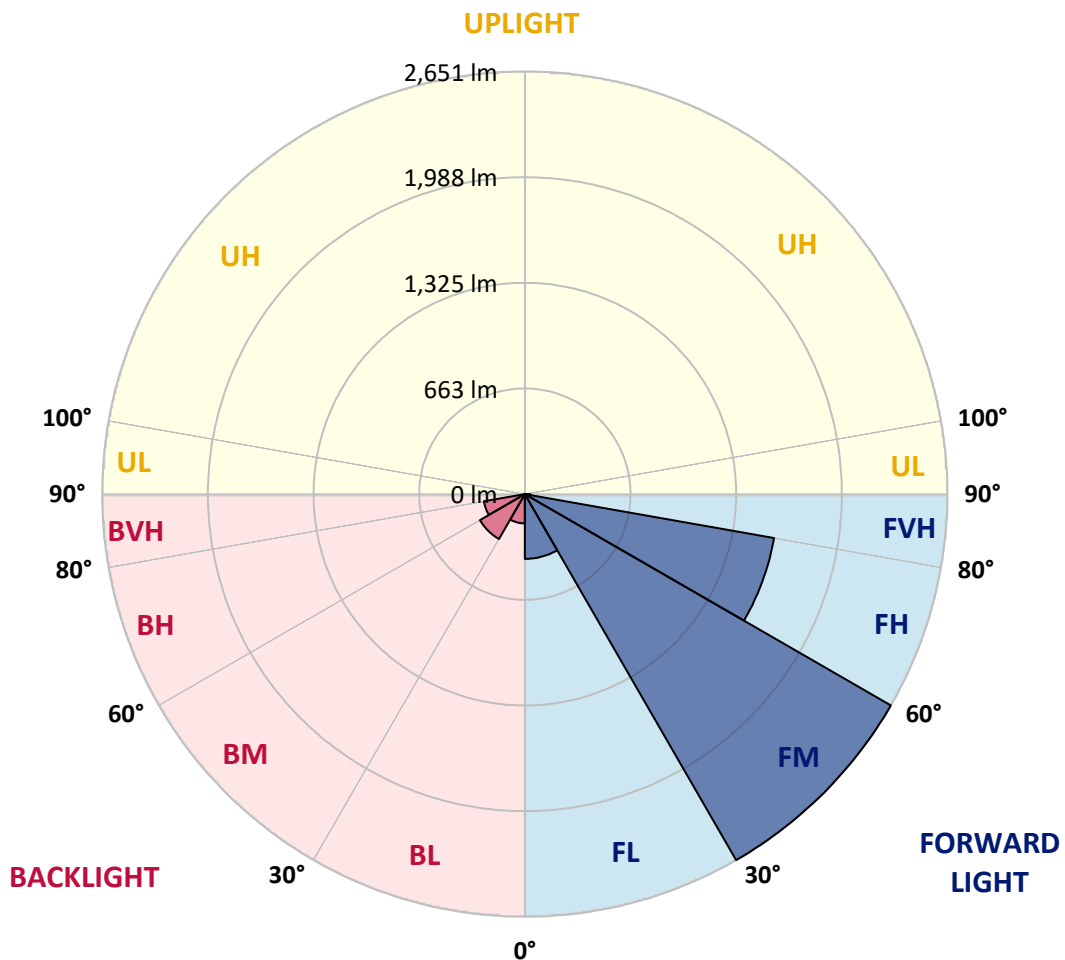
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 406.3 | 7.4 | | | |
| FM (30°-60°) | 2650.6 | 48.6 | | | |
| FH (60°-80°) | 1587.3 | 29.1 | | | G1/1800 |
| FVH (80°-90°) | 34.9 | 0.6 | | | G1/100 |
| BL (0°-30°) | 183.4 | 3.4 | B1/500 | | |
| BM (30°-60°) | 324.8 | 6.0 | B1/1000 | | |
| BH (60°-80°) | 260.4 | 4.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 6.2 | 0.1 | | | 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° | 75° | 84° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 |
| 2.5° | 821.7 | 829.5 | 829.5 | 826.9 | 819.1 | 813.9 | 811.3 | 806.1 | 800.9 | 800.9 | 803.5 |
| 5° | 829.5 | 821.7 | 832.1 | 819.1 | 819.1 | 819.1 | 829.5 | 824.3 | 821.7 | 808.7 | 808.7 |
| 7.5° | 829.5 | 821.7 | 821.7 | 829.5 | 821.7 | 826.9 | 839.9 | 834.7 | 845.1 | 821.7 | 826.9 |
| 10° | 806.1 | 803.5 | 808.7 | 819.1 | 821.7 | 832.1 | 845.1 | 871.1 | 873.7 | 858.1 | 855.5 |
| 12.5° | 759.3 | 756.7 | 774.9 | 780.1 | 811.3 | 837.3 | 876.3 | 897.1 | 920.5 | 912.7 | 897.1 |
| 15° | 725.5 | 730.7 | 743.7 | 764.5 | 793.1 | 839.9 | 884.1 | 930.9 | 972.5 | 962.1 | 956.9 |
| 17.5° | 738.5 | 735.9 | 738.5 | 751.5 | 787.9 | 834.7 | 910.1 | 964.7 | 1024.5 | 1024.5 | 1029.7 |
| 20° | 777.5 | 785.3 | 782.7 | 774.9 | 793.1 | 832.1 | 910.1 | 1006.3 | 1105.1 | 1097.3 | 1097.3 |
| 22.5° | 845.1 | 847.7 | 832.1 | 826.9 | 824.3 | 847.7 | 925.7 | 1058.3 | 1172.7 | 1188.3 | 1183.1 |
| 25° | 915.3 | 917.9 | 912.7 | 897.1 | 876.3 | 881.5 | 954.3 | 1099.9 | 1266.3 | 1292.3 | 1287.1 |
| 27.5° | 1032.3 | 1029.7 | 1016.7 | 998.5 | 967.3 | 943.9 | 998.5 | 1131.1 | 1339.1 | 1383.3 | 1370.3 |
| 30° | 1149.3 | 1141.5 | 1123.3 | 1099.9 | 1071.3 | 1027.1 | 1053.1 | 1190.9 | 1430.2 | 1471.8 | 1443.2 |
| 32.5° | 1292.3 | 1276.7 | 1281.9 | 1245.5 | 1185.7 | 1115.5 | 1110.3 | 1245.5 | 1503.0 | 1562.8 | 1539.4 |
| 35° | 1474.4 | 1456.2 | 1430.2 | 1396.3 | 1339.1 | 1245.5 | 1216.9 | 1333.9 | 1625.2 | 1669.4 | 1669.4 |
| 37.5° | 1713.6 | 1731.8 | 1700.6 | 1560.2 | 1497.8 | 1409.4 | 1349.5 | 1425.0 | 1731.8 | 1838.4 | 1812.4 |
| 40° | 1958.0 | 1973.6 | 1916.4 | 1812.4 | 1677.2 | 1568.0 | 1531.6 | 1573.2 | 1893.0 | 2020.4 | 1971.0 |
| 42.5° | 2155.6 | 2176.4 | 2155.6 | 2020.4 | 1913.8 | 1773.4 | 1708.4 | 1747.4 | 2101.0 | 2254.4 | 2189.4 |
| 45° | 2363.7 | 2384.5 | 2361.1 | 2272.6 | 2168.6 | 2088.0 | 1924.2 | 1973.6 | 2319.4 | 2548.3 | 2475.5 |
| 47.5° | 2519.7 | 2545.7 | 2504.1 | 2485.9 | 2402.7 | 2389.7 | 2111.4 | 2166.0 | 2548.3 | 2844.7 | 2753.7 |
| 50° | 2556.1 | 2584.7 | 2621.1 | 2641.9 | 2613.3 | 2644.5 | 2363.7 | 2410.5 | 2787.5 | 3117.7 | 3029.3 |
| 52.5° | 2470.3 | 2498.9 | 2579.5 | 2675.7 | 2808.3 | 2901.9 | 2618.5 | 2657.5 | 3037.1 | 3344.0 | 3297.2 |
| 55° | 2218.0 | 2244.0 | 2407.9 | 2537.9 | 2855.1 | 3008.5 | 2862.9 | 3026.7 | 3216.5 | 3580.6 | 3466.2 |
| 57.5° | 1794.2 | 1825.4 | 2041.2 | 2241.4 | 2699.1 | 2948.7 | 3008.5 | 3333.6 | 3513.0 | 3754.8 | 3622.2 |
| 60° | 1274.1 | 1292.3 | 1479.6 | 1833.2 | 2267.4 | 2649.7 | 2979.9 | 3562.4 | 3747.0 | 3988.8 | 3918.6 |
| 62.5° | 733.3 | 748.9 | 943.9 | 1276.7 | 1711.0 | 2212.8 | 2852.5 | 3778.2 | 3999.2 | 4246.3 | 4207.2 |
| 65° | 486.3 | 491.5 | 624.1 | 806.1 | 1112.9 | 1630.4 | 2530.1 | 3970.6 | 4248.9 | 4451.7 | 4407.5 |
| 67.5° | 319.8 | 348.4 | 452.4 | 577.3 | 712.5 | 902.3 | 2062.0 | 4051.2 | 4534.9 | 4737.7 | 4727.3 |
| 70° | 228.8 | 239.2 | 325.0 | 444.6 | 535.7 | 507.1 | 1206.5 | 3481.8 | 4521.9 | 4815.7 | 4729.9 |
| 72.5° | 135.2 | 145.6 | 215.8 | 332.8 | 421.2 | 322.4 | 564.3 | 2462.5 | 3747.0 | 3843.2 | 3819.8 |
| 75° | 98.8 | 98.8 | 132.6 | 239.2 | 306.8 | 231.4 | 265.2 | 1557.6 | 2488.5 | 2701.7 | 2699.1 |
| 77.5° | 70.2 | 72.8 | 91.0 | 143.0 | 236.6 | 169.0 | 145.6 | 865.9 | 1359.9 | 1487.4 | 1417.2 |
| 80° | 41.6 | 44.2 | 62.4 | 85.8 | 171.6 | 122.2 | 96.2 | 395.2 | 522.7 | 527.9 | 501.9 |
| 82.5° | 31.2 | 31.2 | 41.6 | 59.8 | 119.6 | 83.2 | 59.8 | 150.8 | 169.0 | 153.4 | 130.0 |
| 85° | 18.2 | 15.6 | 31.2 | 44.2 | 70.2 | 46.8 | 41.6 | 70.2 | 78.0 | 57.2 | 52.0 |
| 87.5° | 5.2 | 5.2 | 13.0 | 15.6 | 31.2 | 26.0 | 18.2 | 26.0 | 36.4 | 20.8 | 15.6 |
| 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° | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 |
| 2.5° | 798.3 | 790.5 | 777.5 | 772.3 | 754.1 | 746.3 | 741.1 | 728.1 | 730.7 | 722.9 | 722.9 |
| 5° | 790.5 | 790.5 | 764.5 | 735.9 | 707.3 | 689.1 | 668.3 | 642.3 | 642.3 | 631.9 | 634.5 |
| 7.5° | 819.1 | 798.3 | 764.5 | 712.5 | 665.7 | 624.1 | 605.9 | 579.9 | 564.3 | 556.5 | 556.5 |
| 10° | 837.3 | 816.5 | 759.3 | 696.9 | 637.1 | 585.1 | 546.1 | 509.7 | 488.9 | 488.9 | 486.3 |
| 12.5° | 886.7 | 855.5 | 780.1 | 694.3 | 605.9 | 527.9 | 468.0 | 426.4 | 397.8 | 377.0 | 382.2 |
| 15° | 928.3 | 894.5 | 790.5 | 673.5 | 551.3 | 442.0 | 369.2 | 291.2 | 252.2 | 231.4 | 223.6 |
| 17.5° | 993.3 | 930.9 | 813.9 | 637.1 | 468.0 | 345.8 | 239.2 | 174.2 | 158.6 | 156.0 | 156.0 |
| 20° | 1047.9 | 975.1 | 816.5 | 566.9 | 384.8 | 221.0 | 153.4 | 143.0 | 135.2 | 132.6 | 130.0 |
| 22.5° | 1123.3 | 1032.3 | 806.1 | 486.3 | 275.6 | 148.2 | 130.0 | 119.6 | 114.4 | 106.6 | 106.6 |
| 25° | 1201.3 | 1107.7 | 785.3 | 410.8 | 169.0 | 127.4 | 114.4 | 104.0 | 93.6 | 88.4 | 91.0 |
| 27.5° | 1284.5 | 1164.9 | 725.5 | 319.8 | 130.0 | 111.8 | 93.6 | 85.8 | 80.6 | 78.0 | 78.0 |
| 30° | 1352.1 | 1201.3 | 637.1 | 213.2 | 117.0 | 98.8 | 83.2 | 75.4 | 70.2 | 67.6 | 67.6 |
| 32.5° | 1401.5 | 1232.5 | 538.3 | 143.0 | 106.6 | 88.4 | 75.4 | 67.6 | 62.4 | 59.8 | 59.8 |
| 35° | 1484.8 | 1255.9 | 447.2 | 122.2 | 96.2 | 78.0 | 65.0 | 59.8 | 54.6 | 54.6 | 54.6 |
| 37.5° | 1612.2 | 1287.1 | 356.2 | 111.8 | 88.4 | 70.2 | 62.4 | 54.6 | 52.0 | 49.4 | 49.4 |
| 40° | 1724.0 | 1326.1 | 254.8 | 101.4 | 80.6 | 65.0 | 54.6 | 49.4 | 46.8 | 44.2 | 44.2 |
| 42.5° | 1885.2 | 1370.3 | 166.4 | 91.0 | 72.8 | 59.8 | 49.4 | 44.2 | 41.6 | 39.0 | 39.0 |
| 45° | 2090.6 | 1443.2 | 130.0 | 80.6 | 65.0 | 54.6 | 46.8 | 41.6 | 36.4 | 36.4 | 33.8 |
| 47.5° | 2309.0 | 1531.6 | 117.0 | 75.4 | 59.8 | 49.4 | 41.6 | 36.4 | 33.8 | 31.2 | 31.2 |
| 50° | 2511.9 | 1617.4 | 109.2 | 70.2 | 54.6 | 46.8 | 39.0 | 33.8 | 28.6 | 26.0 | 26.0 |
| 52.5° | 2693.9 | 1698.0 | 104.0 | 65.0 | 52.0 | 41.6 | 33.8 | 28.6 | 26.0 | 23.4 | 23.4 |
| 55° | 2790.1 | 1734.4 | 101.4 | 62.4 | 46.8 | 39.0 | 31.2 | 26.0 | 23.4 | 20.8 | 20.8 |
| 57.5° | 2940.9 | 1781.2 | 98.8 | 59.8 | 44.2 | 33.8 | 28.6 | 23.4 | 20.8 | 18.2 | 18.2 |
| 60° | 3185.3 | 1934.6 | 96.2 | 57.2 | 41.6 | 33.8 | 26.0 | 20.8 | 15.6 | 13.0 | 13.0 |
| 62.5° | 3388.2 | 2062.0 | 85.8 | 49.4 | 36.4 | 28.6 | 20.8 | 15.6 | 10.4 | 7.8 | 7.8 |
| 65° | 3619.6 | 2121.8 | 75.4 | 44.2 | 31.2 | 23.4 | 15.6 | 10.4 | 7.8 | 2.6 | 2.6 |
| 67.5° | 3871.8 | 2212.8 | 62.4 | 39.0 | 28.6 | 18.2 | 13.0 | 7.8 | 2.6 | 0.0 | 0.0 |
| 70° | 3739.2 | 2098.4 | 52.0 | 33.8 | 26.0 | 15.6 | 10.4 | 5.2 | 0.0 | 0.0 | 0.0 |
| 72.5° | 2930.5 | 1503.0 | 41.6 | 31.2 | 23.4 | 15.6 | 10.4 | 2.6 | 0.0 | 0.0 | 0.0 |
| 75° | 1958.0 | 850.3 | 36.4 | 26.0 | 18.2 | 13.0 | 7.8 | 2.6 | 0.0 | 0.0 | 0.0 |
| 77.5° | 1063.5 | 382.2 | 31.2 | 23.4 | 15.6 | 10.4 | 7.8 | 2.6 | 0.0 | 0.0 | 0.0 |
| 80° | 345.8 | 150.8 | 26.0 | 20.8 | 15.6 | 10.4 | 7.8 | 2.6 | 0.0 | 0.0 | 0.0 |
| 82.5° | 93.6 | 46.8 | 26.0 | 20.8 | 15.6 | 10.4 | 7.8 | 2.6 | 0.0 | 0.0 | 0.0 |
| 85° | 39.0 | 31.2 | 26.0 | 20.8 | 15.6 | 10.4 | 7.8 | 2.6 | 0.0 | 0.0 | 0.0 |
| 87.5° | 15.6 | 10.4 | 10.4 | 13.0 | 10.4 | 7.8 | 5.2 | 2.6 | 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 |



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 CATALOG NUMBER: CCW-SA-2B-760-U-T2-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0° | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 |
| 2.5° | 725.5 | 730.7 | 733.3 | 733.3 | 746.3 | 759.3 | 774.9 | 787.9 | 787.9 | 795.7 | 803.5 |
| 5° | 637.1 | 642.3 | 650.1 | 673.5 | 699.5 | 728.1 | 756.7 | 777.5 | 806.1 | 819.1 | 826.9 |
| 7.5° | 564.3 | 569.5 | 590.3 | 613.7 | 650.1 | 699.5 | 748.9 | 795.7 | 824.3 | 837.3 | 847.7 |
| 10° | 488.9 | 496.7 | 520.1 | 561.7 | 608.5 | 668.3 | 725.5 | 806.1 | 852.9 | 878.9 | 889.3 |
| 12.5° | 379.6 | 400.4 | 431.6 | 475.9 | 535.7 | 626.7 | 733.3 | 816.5 | 897.1 | 928.3 | 949.1 |
| 15° | 239.2 | 257.4 | 306.8 | 377.0 | 457.6 | 564.3 | 712.5 | 832.1 | 943.9 | 975.1 | 1008.9 |
| 17.5° | 153.4 | 156.0 | 171.6 | 247.0 | 351.0 | 486.3 | 681.3 | 855.5 | 995.9 | 1040.1 | 1092.1 |
| 20° | 130.0 | 135.2 | 137.8 | 148.2 | 234.0 | 400.4 | 616.3 | 884.1 | 1058.3 | 1118.1 | 1167.5 |
| 22.5° | 109.2 | 111.8 | 117.0 | 124.8 | 140.4 | 291.2 | 527.9 | 884.1 | 1112.9 | 1201.3 | 1258.5 |
| 25° | 88.4 | 93.6 | 98.8 | 106.6 | 122.2 | 182.0 | 436.8 | 868.5 | 1177.9 | 1287.1 | 1359.9 |
| 27.5° | 78.0 | 78.0 | 83.2 | 91.0 | 104.0 | 127.4 | 345.8 | 821.7 | 1227.3 | 1339.1 | 1435.4 |
| 30° | 67.6 | 70.2 | 72.8 | 80.6 | 93.6 | 111.8 | 239.2 | 746.3 | 1279.3 | 1440.6 | 1549.8 |
| 32.5° | 59.8 | 59.8 | 65.0 | 70.2 | 83.2 | 101.4 | 153.4 | 631.9 | 1346.9 | 1518.6 | 1672.0 |
| 35° | 54.6 | 54.6 | 57.2 | 62.4 | 75.4 | 91.0 | 119.6 | 535.7 | 1427.6 | 1666.8 | 1835.8 |
| 37.5° | 49.4 | 49.4 | 52.0 | 57.2 | 67.6 | 80.6 | 109.2 | 460.2 | 1510.8 | 1815.0 | 2062.0 |
| 40° | 44.2 | 44.2 | 46.8 | 52.0 | 59.8 | 72.8 | 98.8 | 371.8 | 1614.8 | 2033.4 | 2309.0 |
| 42.5° | 39.0 | 39.0 | 41.6 | 46.8 | 54.6 | 65.0 | 85.8 | 278.2 | 1752.6 | 2270.0 | 2628.9 |
| 45° | 33.8 | 33.8 | 36.4 | 41.6 | 46.8 | 59.8 | 78.0 | 213.2 | 1903.4 | 2532.7 | 2909.7 |
| 47.5° | 28.6 | 31.2 | 33.8 | 39.0 | 44.2 | 54.6 | 70.2 | 187.2 | 2051.6 | 2810.9 | 3221.7 |
| 50° | 26.0 | 26.0 | 28.6 | 33.8 | 41.6 | 49.4 | 65.0 | 184.6 | 2202.4 | 3024.1 | 3541.6 |
| 52.5° | 23.4 | 23.4 | 26.0 | 31.2 | 39.0 | 46.8 | 62.4 | 189.8 | 2327.2 | 3221.7 | 3765.2 |
| 55° | 20.8 | 20.8 | 23.4 | 26.0 | 33.8 | 44.2 | 57.2 | 195.0 | 2415.7 | 3422.0 | 3944.6 |
| 57.5° | 18.2 | 18.2 | 20.8 | 26.0 | 31.2 | 39.0 | 52.0 | 200.2 | 2558.7 | 3619.6 | 4204.6 |
| 60° | 13.0 | 13.0 | 18.2 | 23.4 | 28.6 | 33.8 | 49.4 | 205.4 | 2787.5 | 3892.6 | 4425.7 |
| 62.5° | 7.8 | 7.8 | 10.4 | 18.2 | 23.4 | 31.2 | 44.2 | 195.0 | 3000.7 | 4243.7 | 4763.7 |
| 65° | 2.6 | 5.2 | 7.8 | 10.4 | 18.2 | 26.0 | 36.4 | 176.8 | 3180.1 | 4594.7 | 5075.7 |
| 67.5° | 0.0 | 0.0 | 2.6 | 7.8 | 15.6 | 20.8 | 31.2 | 130.0 | 3208.7 | 4753.3 | 5395.6 |
| 70° | 0.0 | 0.0 | 2.6 | 7.8 | 13.0 | 20.8 | 28.6 | 72.8 | 2732.9 | 4246.3 | 4945.7 |
| 72.5° | 0.0 | 0.0 | 0.0 | 5.2 | 13.0 | 18.2 | 26.0 | 54.6 | 2015.2 | 3200.9 | 3908.2 |
| 75° | 0.0 | 0.0 | 0.0 | 2.6 | 10.4 | 15.6 | 23.4 | 41.6 | 1224.7 | 2134.8 | 2550.9 |
| 77.5° | 0.0 | 0.0 | 0.0 | 2.6 | 7.8 | 15.6 | 23.4 | 36.4 | 431.6 | 1016.7 | 1198.7 |
| 80° | 0.0 | 0.0 | 0.0 | 5.2 | 10.4 | 15.6 | 20.8 | 31.2 | 104.0 | 254.8 | 343.2 |
| 82.5° | 0.0 | 0.0 | 0.0 | 2.6 | 7.8 | 13.0 | 18.2 | 26.0 | 41.6 | 75.4 | 119.6 |
| 85° | 0.0 | 0.0 | 0.0 | 2.6 | 5.2 | 13.0 | 18.2 | 23.4 | 28.6 | 36.4 | 52.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 5.2 | 7.8 | 10.4 | 10.4 | 10.4 | 18.2 |
| 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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| | 276° | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 | 793.1 |
| 2.5° | 800.9 | 811.3 | 816.5 | 826.9 | 832.1 | 829.5 | 826.9 | 834.7 | 829.5 | 821.7 |
| 5° | 829.5 | 829.5 | 837.3 | 839.9 | 839.9 | 832.1 | 837.3 | 834.7 | 829.5 | 829.5 |
| 7.5° | 860.7 | 873.7 | 873.7 | 858.1 | 855.5 | 850.3 | 850.3 | 829.5 | 821.7 | 829.5 |
| 10° | 891.9 | 902.3 | 904.9 | 886.7 | 863.3 | 852.9 | 839.9 | 813.9 | 800.9 | 806.1 |
| 12.5° | 956.9 | 956.9 | 928.3 | 907.5 | 876.3 | 839.9 | 808.7 | 772.3 | 754.1 | 759.3 |
| 15° | 1003.7 | 1014.1 | 975.1 | 928.3 | 873.7 | 806.1 | 772.3 | 743.7 | 733.3 | 725.5 |
| 17.5° | 1094.7 | 1073.9 | 1011.5 | 943.9 | 865.9 | 795.7 | 772.3 | 746.3 | 738.5 | 738.5 |
| 20° | 1172.7 | 1162.3 | 1068.7 | 946.5 | 863.3 | 816.5 | 800.9 | 787.9 | 785.3 | 777.5 |
| 22.5° | 1279.3 | 1232.5 | 1112.9 | 975.1 | 891.9 | 850.3 | 845.1 | 858.1 | 850.3 | 845.1 |
| 25° | 1359.9 | 1320.9 | 1146.7 | 1016.7 | 936.1 | 923.1 | 930.9 | 943.9 | 923.1 | 915.3 |
| 27.5° | 1469.2 | 1396.3 | 1211.7 | 1071.3 | 995.9 | 1008.9 | 1034.9 | 1037.5 | 1024.5 | 1032.3 |
| 30° | 1570.6 | 1492.6 | 1261.1 | 1133.7 | 1097.3 | 1110.3 | 1149.3 | 1177.9 | 1159.7 | 1149.3 |
| 32.5° | 1716.2 | 1596.6 | 1359.9 | 1237.7 | 1224.7 | 1258.5 | 1302.7 | 1320.9 | 1297.5 | 1292.3 |
| 35° | 1869.6 | 1716.2 | 1461.4 | 1354.7 | 1378.1 | 1425.0 | 1464.0 | 1495.2 | 1458.8 | 1474.4 |
| 37.5° | 2108.8 | 1908.6 | 1633.0 | 1539.4 | 1549.8 | 1568.0 | 1640.8 | 1726.6 | 1744.8 | 1713.6 |
| 40° | 2358.5 | 2116.6 | 1791.6 | 1718.8 | 1742.2 | 1791.6 | 1877.4 | 1958.0 | 1999.6 | 1958.0 |
| 42.5° | 2647.1 | 2316.8 | 2036.0 | 1950.2 | 1973.6 | 2043.8 | 2158.2 | 2223.2 | 2218.0 | 2155.6 |
| 45° | 3003.3 | 2595.1 | 2264.8 | 2158.2 | 2244.0 | 2306.4 | 2420.9 | 2428.7 | 2379.3 | 2363.7 |
| 47.5° | 3276.3 | 2829.1 | 2511.9 | 2444.3 | 2561.3 | 2563.9 | 2589.9 | 2592.5 | 2537.9 | 2519.7 |
| 50° | 3578.0 | 3099.5 | 2787.5 | 2688.7 | 2886.3 | 2795.3 | 2725.1 | 2678.3 | 2595.1 | 2556.1 |
| 52.5° | 3874.4 | 3292.0 | 3042.3 | 2940.9 | 3146.3 | 2904.5 | 2777.1 | 2634.1 | 2511.9 | 2470.3 |
| 55° | 4033.0 | 3609.2 | 3414.2 | 3177.5 | 3203.5 | 2935.7 | 2615.9 | 2436.5 | 2228.4 | 2218.0 |
| 57.5° | 4220.2 | 3822.4 | 3728.8 | 3338.8 | 3107.3 | 2717.3 | 2280.4 | 2043.8 | 1820.2 | 1794.2 |
| 60° | 4441.3 | 4160.4 | 4061.6 | 3312.8 | 2766.7 | 2283.0 | 1807.2 | 1503.0 | 1292.3 | 1274.1 |
| 62.5° | 4688.3 | 4560.9 | 4267.1 | 3057.9 | 2197.2 | 1607.0 | 1193.5 | 938.7 | 743.7 | 733.3 |
| 65° | 5078.3 | 4896.3 | 4376.3 | 2574.3 | 1453.6 | 1029.7 | 793.1 | 608.5 | 491.5 | 486.3 |
| 67.5° | 5322.8 | 5023.7 | 4131.8 | 1835.8 | 806.1 | 681.3 | 556.5 | 442.0 | 340.6 | 319.8 |
| 70° | 4976.9 | 4610.3 | 3268.5 | 1050.5 | 468.0 | 517.5 | 429.0 | 296.4 | 234.0 | 228.8 |
| 72.5° | 3975.8 | 3422.0 | 2199.8 | 494.1 | 291.2 | 405.6 | 312.0 | 200.2 | 140.4 | 135.2 |
| 75° | 2712.1 | 2153.0 | 1380.7 | 228.8 | 205.4 | 296.4 | 228.8 | 117.0 | 98.8 | 98.8 |
| 77.5° | 1211.7 | 1097.3 | 707.3 | 140.4 | 153.4 | 226.2 | 132.6 | 80.6 | 72.8 | 70.2 |
| 80° | 369.2 | 387.4 | 288.6 | 96.2 | 114.4 | 171.6 | 80.6 | 54.6 | 44.2 | 41.6 |
| 82.5° | 124.8 | 145.6 | 130.0 | 57.2 | 78.0 | 122.2 | 54.6 | 36.4 | 31.2 | 31.2 |
| 85° | 59.8 | 72.8 | 65.0 | 36.4 | 41.6 | 59.8 | 44.2 | 28.6 | 18.2 | 18.2 |
| 87.5° | 23.4 | 33.8 | 23.4 | 15.6 | 23.4 | 31.2 | 18.2 | 13.0 | 5.2 | 5.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)