

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: P673436

Luminaire Tested: **CCP-SA-2C-760-U-T4FT-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673436
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-760-U-T4FT-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T4FT distribution lens and House Side Shield
Light Source: (32) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

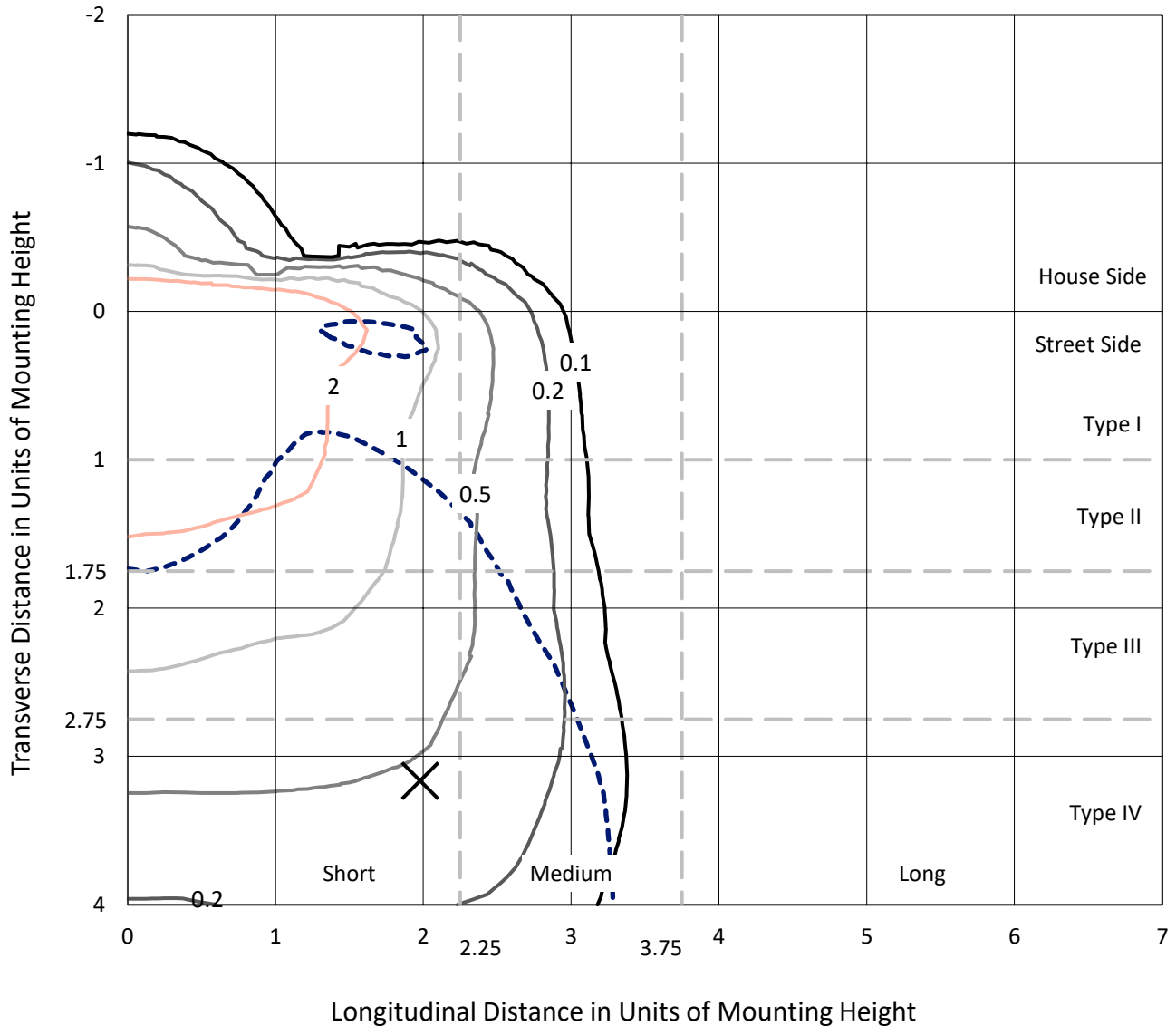
Lumens per Lamp: N/A
Luminaire Lumens: 6640.9 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

REPORT NUMBER: P673436
 CATALOG NUMBER: CCP-SA-2C-760-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

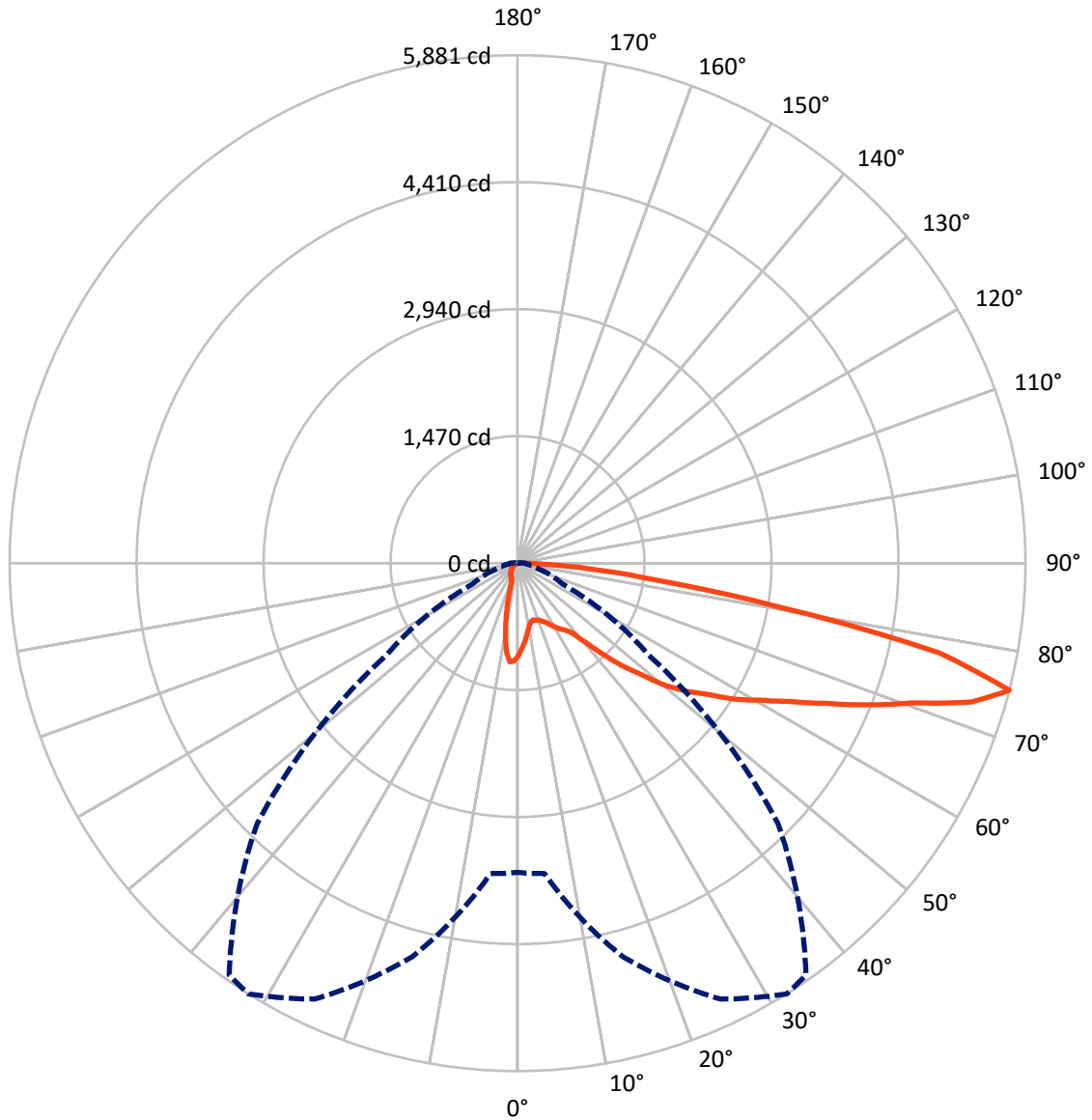
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P673436
CATALOG NUMBER: CCP-SA-2C-760-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P673436
 CATALOG NUMBER: CCP-SA-2C-760-U-T4FT-HSS

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 717.4 | 0.0 | 717.4 |
| | % Fixture | 10.8 | 0.0 | 10.8 |
| Street Side | Lumens | 5923.5 | 0.0 | 5923.5 |
| | % Fixture | 89.2 | 0.0 | 89.2 |
| Total | Lumens | 6640.9 | 0.0 | 6640.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 94.2 | 1.4 |
| 10°-20° | 213.9 | 3.2 |
| 20°-30° | 320.3 | 4.8 |
| 30°-40° | 491.7 | 7.4 |
| 40°-50° | 859.9 | 12.9 |
| 50°-60° | 1344.1 | 20.2 |
| 60°-70° | 1737.7 | 26.2 |
| 70°-80° | 1415.3 | 21.3 |
| 80°-90° | 163.8 | 2.5 |
| 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° | 6640.9 | 100.0 |
| 0°-180° | 6640.9 | 100.0 |



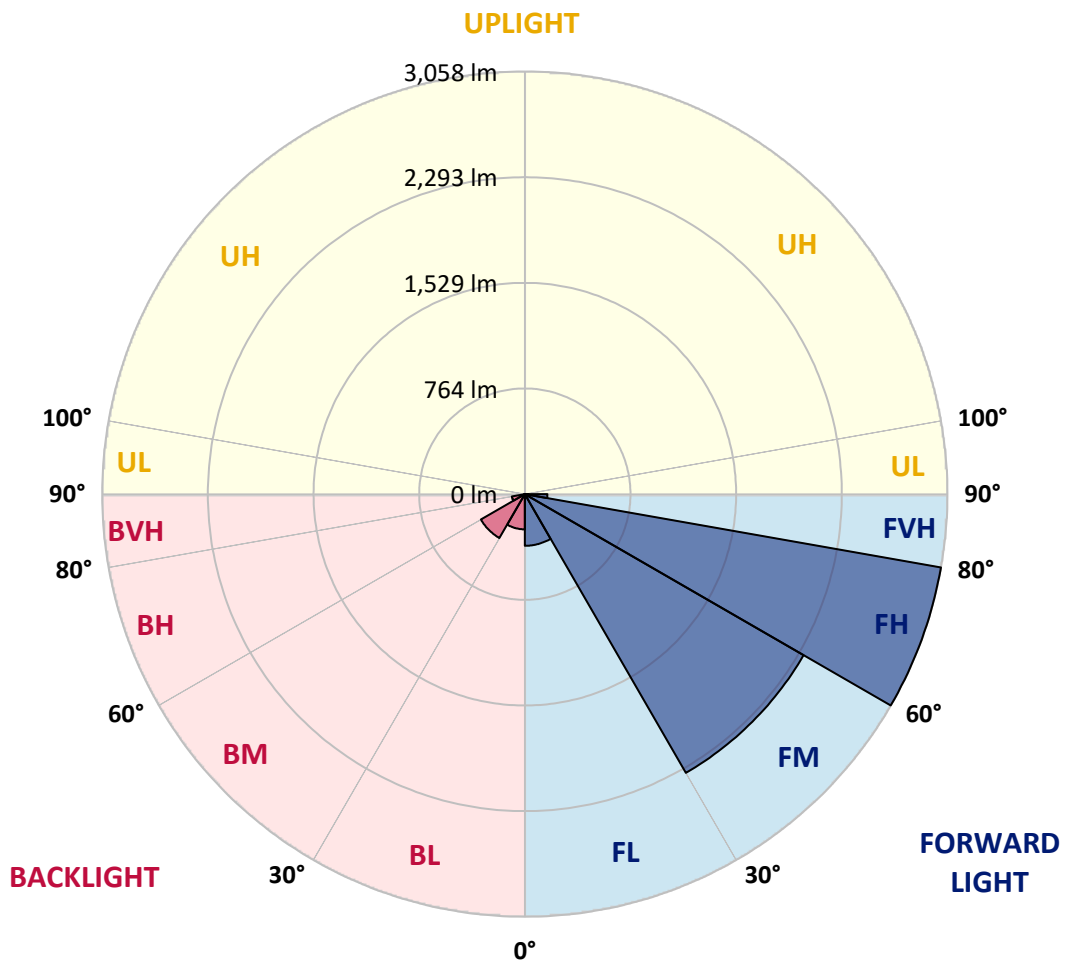
REPORT NUMBER: P673436
 CATALOG NUMBER: CCP-SA-2C-760-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 373.6 | 5.6 | | | |
| FM (30°-60°) | 2328.6 | 35.1 | | | |
| FH (60°-80°) | 3057.6 | 46.0 | | | G2/5000 |
| FVH (80°-90°) | 163.7 | 2.5 | | | G2/225 |
| BL (0°-30°) | 254.8 | 3.8 | B1/500 | | |
| BM (30°-60°) | 367.0 | 5.5 | B1/1000 | | |
| BH (60°-80°) | 95.4 | 1.4 | B0/110 | | G0/110 |
| BVH (80°-90°) | 0.1 | 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 IV Short





REPORT NUMBER: P673436

CATALOG NUMBER: CCP-SA-2C-760-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 32° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1072.3 | 1072.3 | 1072.3 | 1072.3 | 1072.3 | 1072.3 | 1072.3 | 1072.3 | 1072.3 | 1072.3 | 1072.3 |
| 2.5° | 961.7 | 975.3 | 973.6 | 982.1 | 983.8 | 988.9 | 1000.8 | 1000.8 | 1034.9 | 1058.7 | 1074.0 |
| 5° | 874.9 | 866.4 | 869.8 | 880.0 | 905.5 | 903.8 | 932.7 | 948.1 | 988.9 | 1022.9 | 1058.7 |
| 7.5° | 767.6 | 765.9 | 772.7 | 796.6 | 815.3 | 830.6 | 861.2 | 900.4 | 954.9 | 1005.9 | 1068.9 |
| 10° | 699.5 | 696.1 | 709.8 | 716.6 | 738.7 | 748.9 | 796.6 | 857.8 | 922.5 | 995.7 | 1068.9 |
| 12.5° | 684.2 | 672.3 | 679.1 | 677.4 | 697.8 | 703.0 | 748.9 | 823.8 | 902.1 | 992.3 | 1082.5 |
| 15° | 692.7 | 684.2 | 677.4 | 677.4 | 682.5 | 685.9 | 735.3 | 801.7 | 890.2 | 997.4 | 1113.2 |
| 17.5° | 720.0 | 714.9 | 694.4 | 674.0 | 696.1 | 696.1 | 726.8 | 796.6 | 891.9 | 1012.7 | 1150.6 |
| 20° | 752.3 | 747.2 | 711.5 | 687.6 | 703.0 | 720.0 | 752.3 | 808.5 | 897.0 | 1024.6 | 1208.5 |
| 22.5° | 788.1 | 788.1 | 738.7 | 711.5 | 731.9 | 733.6 | 791.5 | 845.9 | 917.4 | 1055.3 | 1245.9 |
| 25° | 832.3 | 828.9 | 781.2 | 750.6 | 757.4 | 776.1 | 828.9 | 886.8 | 954.9 | 1097.8 | 1315.7 |
| 27.5° | 890.2 | 885.1 | 828.9 | 798.3 | 806.8 | 827.2 | 886.8 | 944.6 | 988.9 | 1114.9 | 1375.3 |
| 30° | 937.8 | 932.7 | 886.8 | 840.8 | 859.5 | 878.3 | 948.1 | 999.1 | 1031.5 | 1147.2 | 1443.4 |
| 32.5° | 948.1 | 939.5 | 908.9 | 888.5 | 908.9 | 944.6 | 999.1 | 1051.9 | 1101.2 | 1228.9 | 1572.7 |
| 35° | 1065.5 | 1034.9 | 954.9 | 922.5 | 953.2 | 965.1 | 1055.3 | 1148.9 | 1196.6 | 1293.6 | 1717.4 |
| 37.5° | 1290.2 | 1261.2 | 1155.7 | 1065.5 | 1022.9 | 1036.6 | 1154.0 | 1269.7 | 1315.7 | 1414.4 | 1875.7 |
| 40° | 1565.9 | 1518.2 | 1405.9 | 1285.1 | 1198.3 | 1181.2 | 1257.8 | 1428.0 | 1472.3 | 1565.9 | 2083.3 |
| 42.5° | 1880.8 | 1834.8 | 1661.2 | 1518.2 | 1429.7 | 1407.6 | 1419.5 | 1611.9 | 1649.3 | 1705.5 | 2219.5 |
| 45° | 2107.2 | 2083.3 | 1887.6 | 1759.9 | 1690.2 | 1666.3 | 1637.4 | 1812.7 | 1860.4 | 1879.1 | 2416.9 |
| 47.5° | 2238.2 | 2221.2 | 2112.3 | 2025.5 | 1931.8 | 1906.3 | 1925.0 | 2091.8 | 2059.5 | 2074.8 | 2605.9 |
| 50° | 2413.5 | 2369.3 | 2221.2 | 2248.4 | 2229.7 | 2222.9 | 2255.2 | 2328.4 | 2280.8 | 2236.5 | 2811.8 |
| 52.5° | 2554.8 | 2476.5 | 2372.7 | 2439.1 | 2468.0 | 2493.5 | 2607.6 | 2662.0 | 2449.3 | 2381.2 | 2944.6 |
| 55° | 2641.6 | 2566.7 | 2593.9 | 2655.2 | 2685.9 | 2803.3 | 2937.8 | 2896.9 | 2559.9 | 2496.9 | 3121.6 |
| 57.5° | 2719.9 | 2725.0 | 2798.2 | 2816.9 | 2973.5 | 2993.9 | 3252.6 | 3119.9 | 2638.2 | 2602.5 | 3191.4 |
| 60° | 2908.8 | 2890.1 | 2949.7 | 3070.5 | 3220.3 | 3334.3 | 3581.1 | 3269.7 | 2677.4 | 2656.9 | 3172.7 |
| 62.5° | 3249.2 | 3133.5 | 3153.9 | 3307.1 | 3526.7 | 3650.9 | 3770.1 | 3337.8 | 2667.1 | 2665.4 | 3116.5 |
| 65° | 3681.6 | 3548.8 | 3487.5 | 3630.5 | 3914.8 | 4090.1 | 3982.8 | 3414.3 | 2599.1 | 2646.7 | 2907.1 |
| 67.5° | 4040.7 | 4042.4 | 3928.4 | 4008.4 | 4379.4 | 4416.9 | 4183.7 | 3399.0 | 2485.0 | 2498.6 | 2396.5 |
| 70° | 4454.3 | 4510.5 | 4410.1 | 4660.3 | 4845.8 | 4869.6 | 4413.5 | 3273.1 | 2239.9 | 1884.2 | 1377.0 |
| 72.5° | 4559.8 | 4588.8 | 4902.0 | 5286.6 | 5496.0 | 5502.8 | 4639.8 | 2852.7 | 1474.0 | 832.3 | 427.2 |
| 75° | 3581.1 | 3608.4 | 4718.1 | 5569.2 | 5880.6 | 5821.1 | 4262.0 | 1851.8 | 573.6 | 243.4 | 102.1 |
| 77.5° | 1998.2 | 2006.7 | 2929.3 | 4502.0 | 4988.8 | 4748.8 | 2985.4 | 721.7 | 231.5 | 139.6 | 47.7 |
| 80° | 546.4 | 641.7 | 1085.9 | 2219.5 | 3046.7 | 2990.5 | 1421.2 | 234.9 | 149.8 | 108.9 | 22.1 |
| 82.5° | 131.1 | 141.3 | 348.9 | 982.1 | 1610.2 | 1679.9 | 423.8 | 119.1 | 103.8 | 90.2 | 11.9 |
| 85° | 47.7 | 52.8 | 107.2 | 478.3 | 827.2 | 759.1 | 127.7 | 59.6 | 76.6 | 69.8 | 5.1 |
| 87.5° | 17.0 | 17.0 | 34.0 | 156.6 | 241.7 | 182.1 | 42.6 | 20.4 | 39.1 | 42.6 | 1.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P673436
 CATALOG NUMBER: CCP-SA-2C-760-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1072.3 | 1072.3 | 1072.3 | 1072.3 | 1072.3 | 1072.3 | 1072.3 | 1072.3 | 1072.3 | 1072.3 | 1072.3 |
| 2.5° | 1075.7 | 1075.7 | 1099.5 | 1120.0 | 1126.8 | 1135.3 | 1126.8 | 1145.5 | 1143.8 | 1135.3 | 1138.7 |
| 5° | 1077.4 | 1108.0 | 1128.5 | 1142.1 | 1148.9 | 1147.2 | 1150.6 | 1130.2 | 1118.3 | 1109.7 | 1101.2 |
| 7.5° | 1085.9 | 1114.9 | 1152.3 | 1148.9 | 1130.2 | 1091.0 | 1060.4 | 1005.9 | 953.2 | 951.5 | 942.9 |
| 10° | 1114.9 | 1140.4 | 1162.5 | 1148.9 | 1080.8 | 961.7 | 864.6 | 791.5 | 725.1 | 694.4 | 697.8 |
| 12.5° | 1135.3 | 1182.9 | 1172.7 | 1102.9 | 961.7 | 805.1 | 662.1 | 554.9 | 495.3 | 439.1 | 439.1 |
| 15° | 1177.8 | 1194.9 | 1191.4 | 1036.6 | 815.3 | 628.1 | 454.5 | 345.5 | 282.5 | 257.0 | 253.6 |
| 17.5° | 1218.7 | 1237.4 | 1179.5 | 936.1 | 670.6 | 422.1 | 275.7 | 214.5 | 206.0 | 202.5 | 204.2 |
| 20° | 1269.7 | 1271.4 | 1169.3 | 835.7 | 503.8 | 267.2 | 197.4 | 192.3 | 194.0 | 192.3 | 192.3 |
| 22.5° | 1324.2 | 1336.1 | 1133.6 | 694.4 | 335.3 | 194.0 | 183.8 | 185.5 | 185.5 | 185.5 | 190.6 |
| 25° | 1395.7 | 1377.0 | 1077.4 | 560.0 | 219.6 | 178.7 | 178.7 | 180.4 | 180.4 | 180.4 | 182.1 |
| 27.5° | 1443.4 | 1417.8 | 1005.9 | 403.4 | 171.9 | 168.5 | 171.9 | 171.9 | 175.3 | 175.3 | 175.3 |
| 30° | 1542.1 | 1475.7 | 915.7 | 260.4 | 154.9 | 160.0 | 163.4 | 166.8 | 168.5 | 171.9 | 173.6 |
| 32.5° | 1618.7 | 1526.8 | 803.4 | 173.6 | 141.3 | 144.7 | 153.2 | 160.0 | 166.8 | 165.1 | 165.1 |
| 35° | 1758.2 | 1610.2 | 699.5 | 137.9 | 129.4 | 129.4 | 137.9 | 149.8 | 160.0 | 163.4 | 163.4 |
| 37.5° | 1918.2 | 1678.2 | 554.9 | 126.0 | 119.1 | 119.1 | 124.3 | 137.9 | 151.5 | 158.3 | 154.9 |
| 40° | 2051.0 | 1756.5 | 410.2 | 117.4 | 110.6 | 110.6 | 114.0 | 124.3 | 139.6 | 151.5 | 153.2 |
| 42.5° | 2144.6 | 1814.4 | 277.4 | 108.9 | 103.8 | 102.1 | 107.2 | 112.3 | 124.3 | 141.3 | 144.7 |
| 45° | 2229.7 | 1845.0 | 171.9 | 100.4 | 97.0 | 97.0 | 97.0 | 102.1 | 110.6 | 126.0 | 129.4 |
| 47.5° | 2381.2 | 1879.1 | 124.3 | 93.6 | 88.5 | 90.2 | 91.9 | 93.6 | 100.4 | 103.8 | 105.5 |
| 50° | 2508.8 | 1904.6 | 102.1 | 86.8 | 83.4 | 85.1 | 85.1 | 85.1 | 88.5 | 83.4 | 83.4 |
| 52.5° | 2605.9 | 1879.1 | 86.8 | 80.0 | 76.6 | 78.3 | 76.6 | 76.6 | 73.2 | 66.4 | 66.4 |
| 55° | 2677.4 | 1833.1 | 69.8 | 73.2 | 73.2 | 73.2 | 69.8 | 64.7 | 57.9 | 52.8 | 52.8 |
| 57.5° | 2696.1 | 1754.8 | 54.5 | 61.3 | 66.4 | 66.4 | 59.6 | 52.8 | 44.3 | 39.1 | 37.4 |
| 60° | 2667.1 | 1584.6 | 40.8 | 44.3 | 51.1 | 52.8 | 47.7 | 39.1 | 30.6 | 25.5 | 25.5 |
| 62.5° | 2563.3 | 1450.2 | 32.3 | 28.9 | 37.4 | 39.1 | 34.0 | 25.5 | 17.0 | 11.9 | 10.2 |
| 65° | 2365.9 | 1242.5 | 23.8 | 20.4 | 25.5 | 27.2 | 22.1 | 11.9 | 5.1 | 1.7 | 0.0 |
| 67.5° | 1897.8 | 936.1 | 15.3 | 13.6 | 17.0 | 17.0 | 10.2 | 3.4 | 0.0 | 0.0 | 0.0 |
| 70° | 1050.2 | 525.9 | 10.2 | 6.8 | 8.5 | 5.1 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 303.0 | 149.8 | 5.1 | 3.4 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 81.7 | 35.7 | 3.4 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 35.7 | 13.6 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 15.3 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 8.5 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.7 | 0.0 | 0.0 | 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)