

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: P673570

Luminaire Tested: **CCP-SA-2D-750-U-T4W-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673570
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-750-U-T4W-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T4W distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

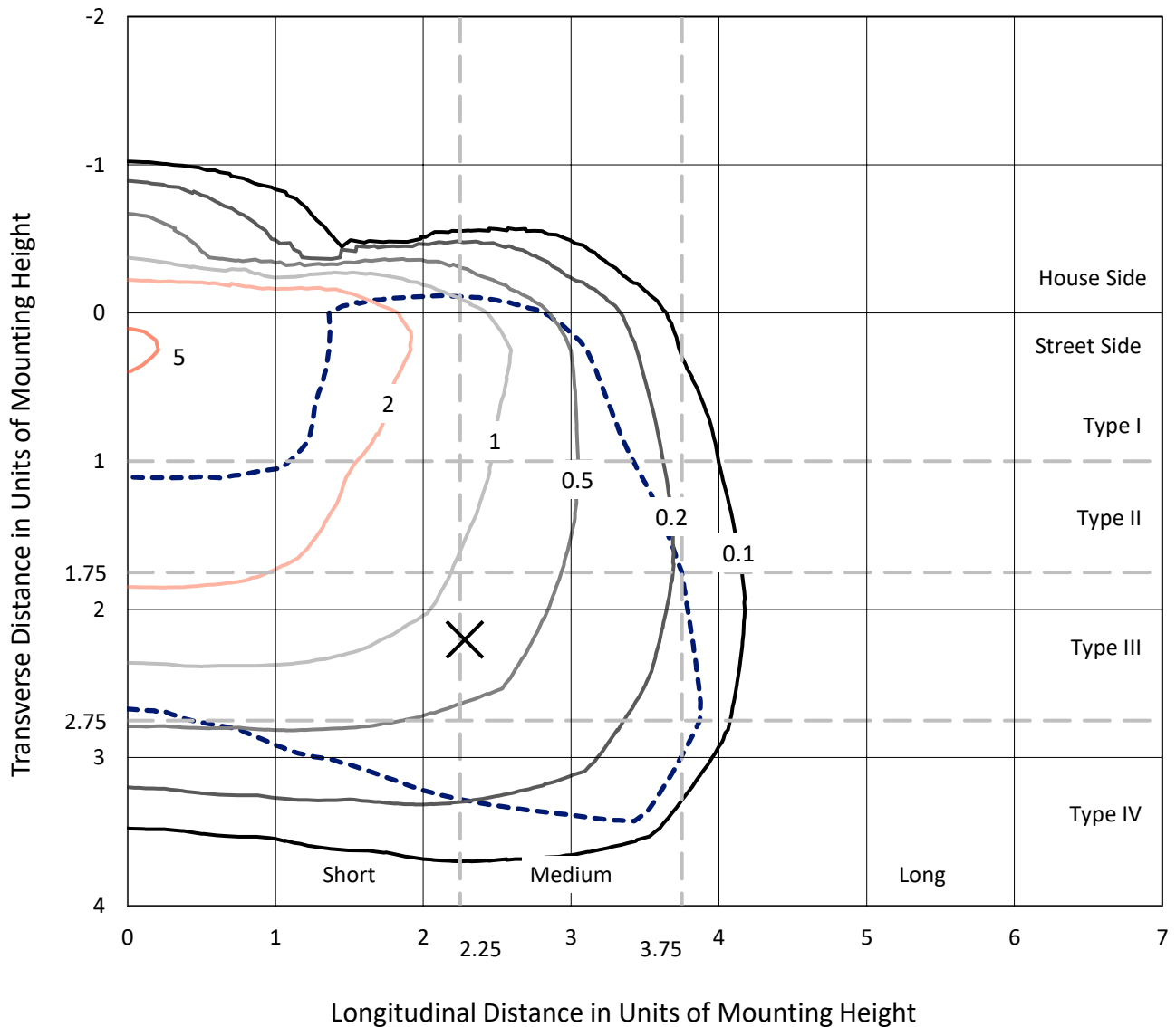
Lumens per Lamp: N/A
Luminaire Lumens: 8230.8 lumens
Efficiency: N/A
Efficacy: 101.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

REPORT NUMBER: P673570
 CATALOG NUMBER: CCP-SA-2D-750-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

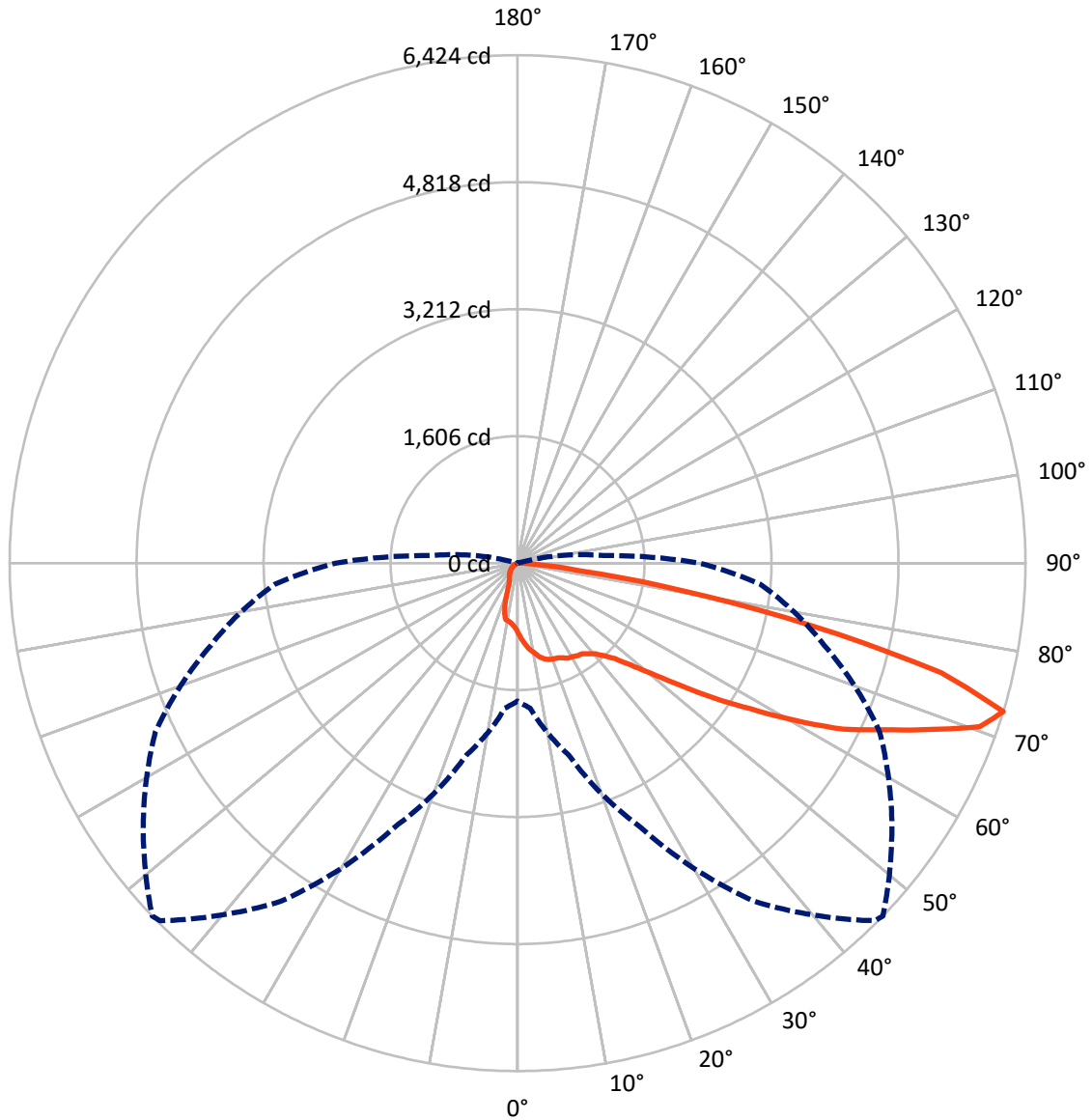
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P673570
CATALOG NUMBER: CCP-SA-2D-750-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P673570

CATALOG NUMBER: CCP-SA-2D-750-U-T4W-HSS

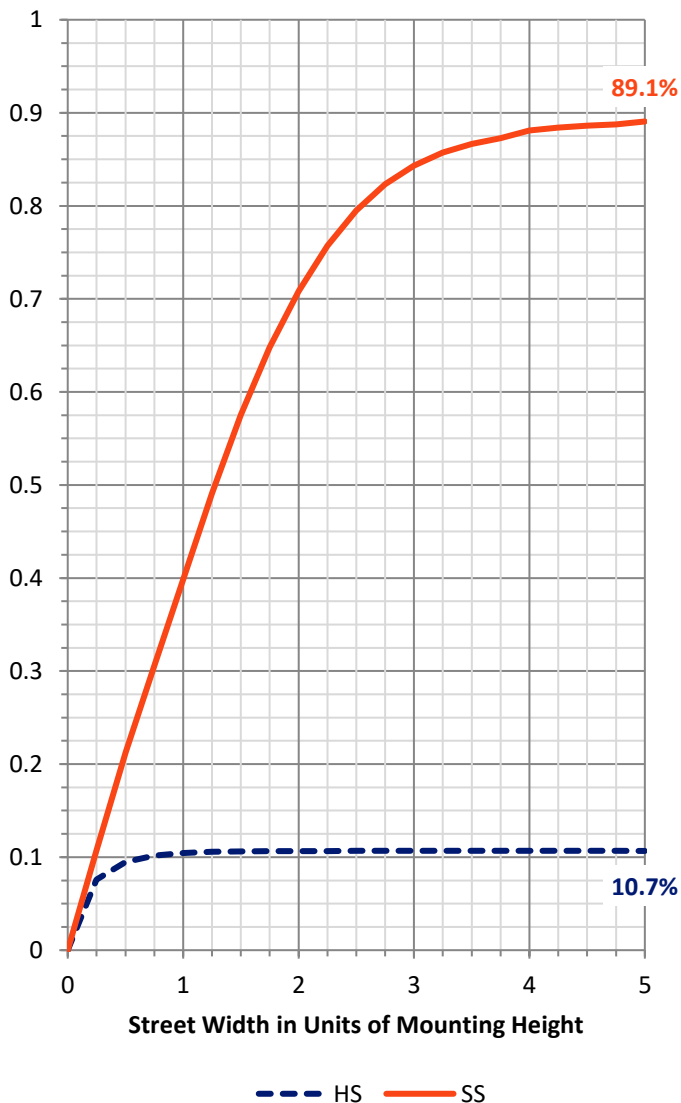
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 886.1 | 0.0 | 886.1 |
| | % Fixture | 10.8 | 0.0 | 10.8 |
| Street Side | Lumens | 7344.6 | 0.0 | 7344.6 |
| | % Fixture | 89.2 | 0.0 | 89.2 |
| Total | Lumens | 8230.8 | 0.0 | 8230.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 88.1 | 1.1 |
| 10°-20° | 265.8 | 3.2 |
| 20°-30° | 416.1 | 5.1 |
| 30°-40° | 582.8 | 7.1 |
| 40°-50° | 961.0 | 11.7 |
| 50°-60° | 1727.3 | 21.0 |
| 60°-70° | 2503.5 | 30.4 |
| 70°-80° | 1562.4 | 19.0 |
| 80°-90° | 123.9 | 1.5 |
| 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° | 8230.8 | 100.0 |
| 0°-180° | 8230.8 | 100.0 |

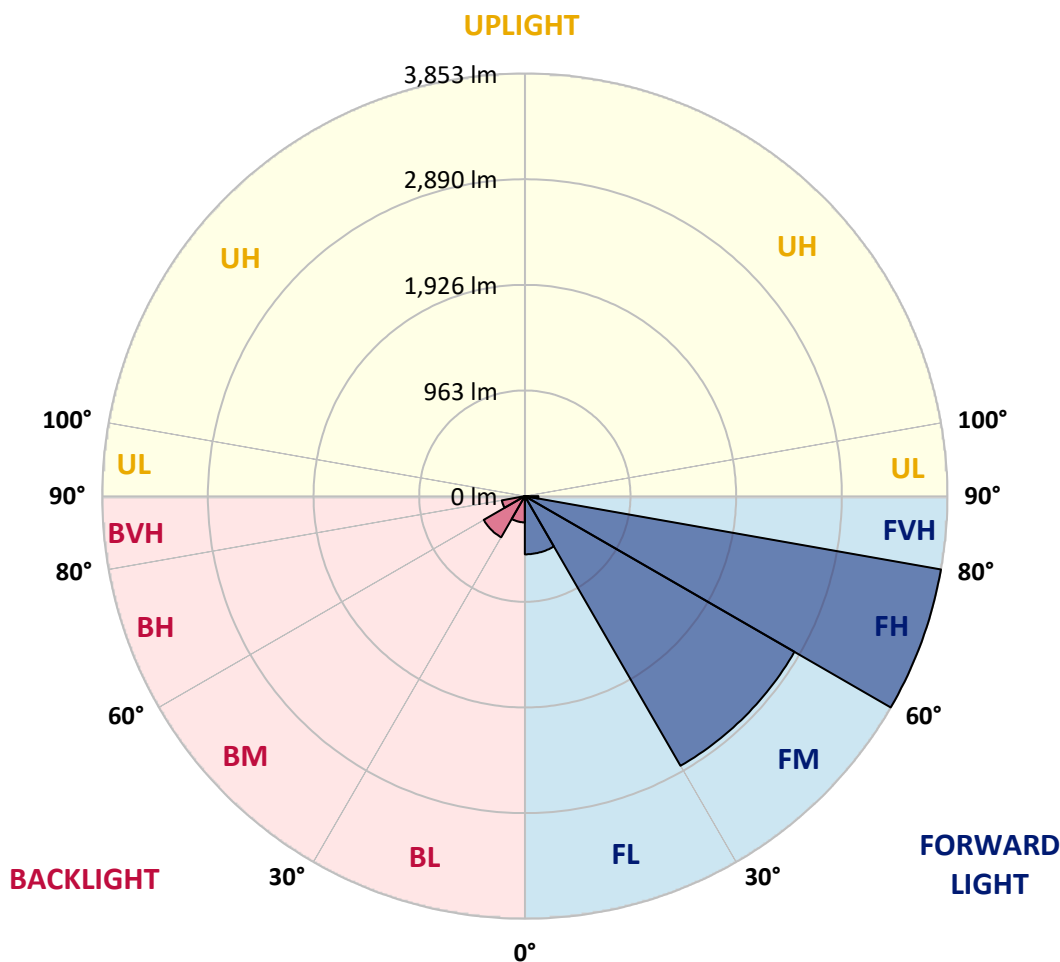


REPORT NUMBER: P673570
 CATALOG NUMBER: CCP-SA-2D-750-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 530.5 | 6.4 | | | |
| FM (30°-60°) | 2838.1 | 34.5 | | | |
| FH (60°-80°) | 3852.8 | 46.8 | | | G2/5000 |
| FVH (80°-90°) | 123.2 | 1.5 | | | G2/225 |
| BL (0°-30°) | 239.5 | 2.9 | B1/500 | | |
| BM (30°-60°) | 432.9 | 5.3 | B1/1000 | | |
| BH (60°-80°) | 213.1 | 2.6 | B1/500 | | G1/500 |
| BVH (80°-90°) | 0.7 | 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 Medium





REPORT NUMBER: P673570

CATALOG NUMBER: CCP-SA-2D-750-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 46° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 879.7 | 879.7 | 879.7 | 879.7 | 879.7 | 879.7 | 879.7 | 879.7 | 879.7 | 879.7 | 879.7 |
| 2.5° | 984.6 | 980.4 | 986.7 | 984.6 | 959.4 | 963.6 | 961.5 | 944.8 | 915.4 | 898.6 | 888.1 |
| 5° | 1098.0 | 1108.5 | 1100.1 | 1081.2 | 1066.5 | 1037.1 | 1032.9 | 1005.6 | 959.4 | 930.1 | 898.6 |
| 7.5° | 1215.6 | 1215.6 | 1198.8 | 1169.4 | 1137.9 | 1106.4 | 1102.2 | 1056.0 | 1016.1 | 965.7 | 921.7 |
| 10° | 1303.8 | 1293.3 | 1280.7 | 1249.2 | 1213.5 | 1171.5 | 1150.5 | 1116.9 | 1072.8 | 1011.9 | 955.2 |
| 12.5° | 1381.4 | 1364.6 | 1343.6 | 1297.5 | 1255.5 | 1209.3 | 1213.5 | 1158.9 | 1129.5 | 1074.9 | 990.9 |
| 15° | 1425.5 | 1410.8 | 1391.9 | 1349.9 | 1284.9 | 1263.9 | 1255.5 | 1221.9 | 1169.4 | 1114.8 | 1035.0 |
| 17.5° | 1436.0 | 1425.5 | 1400.3 | 1345.7 | 1310.1 | 1284.9 | 1282.8 | 1242.9 | 1219.8 | 1173.6 | 1085.4 |
| 20° | 1415.0 | 1396.1 | 1377.2 | 1341.5 | 1308.0 | 1299.6 | 1293.3 | 1293.3 | 1263.9 | 1203.0 | 1116.9 |
| 22.5° | 1379.3 | 1358.3 | 1347.8 | 1326.9 | 1299.6 | 1297.5 | 1301.7 | 1297.5 | 1274.4 | 1234.5 | 1150.5 |
| 25° | 1352.0 | 1341.5 | 1324.8 | 1318.5 | 1301.7 | 1333.2 | 1326.9 | 1320.6 | 1314.3 | 1268.1 | 1203.0 |
| 27.5° | 1360.4 | 1358.3 | 1345.7 | 1320.6 | 1308.0 | 1341.5 | 1360.4 | 1362.5 | 1360.4 | 1314.3 | 1251.3 |
| 30° | 1364.6 | 1354.1 | 1341.5 | 1335.3 | 1339.4 | 1373.0 | 1373.0 | 1419.2 | 1400.3 | 1354.1 | 1299.6 |
| 32.5° | 1412.9 | 1406.6 | 1364.6 | 1349.9 | 1352.0 | 1391.9 | 1394.0 | 1440.2 | 1433.9 | 1402.4 | 1341.5 |
| 35° | 1515.8 | 1473.8 | 1412.9 | 1370.9 | 1370.9 | 1423.4 | 1406.6 | 1473.8 | 1490.6 | 1440.2 | 1370.9 |
| 37.5° | 1669.1 | 1637.6 | 1528.4 | 1433.9 | 1398.2 | 1436.0 | 1452.8 | 1490.6 | 1541.0 | 1496.9 | 1429.7 |
| 40° | 1973.5 | 1967.2 | 1811.8 | 1608.2 | 1467.5 | 1501.1 | 1507.4 | 1566.2 | 1599.8 | 1538.9 | 1520.0 |
| 42.5° | 2418.6 | 2387.1 | 2242.2 | 1921.0 | 1593.5 | 1578.8 | 1601.9 | 1639.7 | 1719.4 | 1669.1 | 1622.9 |
| 45° | 2853.2 | 2838.5 | 2693.6 | 2334.6 | 1822.3 | 1734.1 | 1721.5 | 1788.7 | 1906.3 | 1851.7 | 1816.0 |
| 47.5° | 3168.1 | 3138.7 | 3056.8 | 2754.5 | 2158.2 | 1916.8 | 1925.2 | 1992.4 | 2141.4 | 2099.5 | 2109.9 |
| 50° | 3409.5 | 3394.8 | 3308.7 | 3142.9 | 2582.3 | 2204.4 | 2187.6 | 2254.8 | 2456.4 | 2483.6 | 2513.0 |
| 52.5° | 3674.0 | 3701.3 | 3585.9 | 3445.2 | 3084.1 | 2590.7 | 2552.9 | 2576.0 | 2836.4 | 2899.3 | 2981.2 |
| 55° | 3928.1 | 3972.2 | 3856.7 | 3837.8 | 3609.0 | 3019.0 | 3012.7 | 2958.1 | 3294.0 | 3302.4 | 3346.5 |
| 57.5° | 4093.9 | 4079.2 | 4070.8 | 4173.7 | 4133.8 | 3510.3 | 3478.8 | 3424.2 | 3728.6 | 3674.0 | 3806.3 |
| 60° | 4106.5 | 4148.5 | 4289.2 | 4543.2 | 4614.6 | 4087.6 | 4041.4 | 3892.4 | 4104.4 | 3974.3 | 4226.2 |
| 62.5° | 4201.0 | 4234.6 | 4494.9 | 4845.5 | 4937.9 | 4595.7 | 4627.2 | 4249.3 | 4425.6 | 4322.8 | 4692.3 |
| 65° | 3961.7 | 4066.6 | 4589.4 | 5080.7 | 5362.0 | 5110.1 | 5078.6 | 4709.1 | 4755.3 | 4658.7 | 5152.1 |
| 67.5° | 3745.4 | 3785.3 | 4331.2 | 5152.1 | 5697.9 | 5626.5 | 5613.9 | 5116.4 | 5095.4 | 4916.9 | 5282.2 |
| 70° | 3044.2 | 3092.5 | 3632.0 | 4786.7 | 5811.3 | 6229.1 | 6199.7 | 5687.4 | 5326.3 | 4776.2 | 4614.6 |
| 72.5° | 1744.6 | 1841.2 | 2517.2 | 3686.6 | 5221.3 | 6397.0 | 6424.3 | 5779.8 | 5053.4 | 4016.2 | 3082.0 |
| 75° | 571.1 | 598.3 | 1045.5 | 2089.0 | 3905.0 | 5580.3 | 5532.1 | 4967.3 | 4077.1 | 2651.6 | 1391.9 |
| 77.5° | 193.1 | 197.3 | 308.6 | 755.8 | 2164.5 | 3770.6 | 3797.9 | 3550.2 | 2504.6 | 1102.2 | 384.2 |
| 80° | 98.7 | 105.0 | 151.2 | 283.4 | 890.2 | 2053.3 | 2097.4 | 2023.9 | 1049.7 | 325.4 | 92.4 |
| 82.5° | 46.2 | 48.3 | 88.2 | 157.5 | 407.3 | 806.2 | 806.2 | 886.0 | 371.6 | 182.7 | 37.8 |
| 85° | 16.8 | 16.8 | 46.2 | 90.3 | 172.2 | 268.7 | 270.8 | 272.9 | 195.2 | 136.5 | 16.8 |
| 87.5° | 6.3 | 6.3 | 23.1 | 37.8 | 63.0 | 81.9 | 81.9 | 65.1 | 98.7 | 90.3 | 6.3 |
| 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: P673570
 CATALOG NUMBER: CCP-SA-2D-750-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 879.7 | 879.7 | 879.7 | 879.7 | 879.7 | 879.7 | 879.7 | 879.7 | 879.7 | 879.7 | 879.7 |
| 2.5° | 883.9 | 871.3 | 860.8 | 846.1 | 827.2 | 816.7 | 818.8 | 806.2 | 806.2 | 799.9 | 797.8 |
| 5° | 883.9 | 871.3 | 844.0 | 818.8 | 802.0 | 781.0 | 770.5 | 762.1 | 762.1 | 757.9 | 760.0 |
| 7.5° | 890.2 | 871.3 | 833.5 | 799.9 | 772.6 | 751.6 | 734.8 | 732.7 | 728.5 | 718.0 | 726.4 |
| 10° | 928.0 | 900.7 | 837.7 | 791.5 | 760.0 | 736.9 | 707.5 | 699.1 | 686.5 | 667.6 | 669.7 |
| 12.5° | 959.4 | 923.8 | 867.1 | 804.1 | 764.2 | 726.4 | 659.2 | 585.7 | 554.3 | 520.7 | 522.8 |
| 15° | 1005.6 | 955.2 | 877.6 | 820.9 | 764.2 | 642.4 | 520.7 | 426.2 | 375.8 | 350.6 | 350.6 |
| 17.5° | 1030.8 | 988.8 | 907.0 | 831.4 | 703.3 | 522.8 | 369.5 | 287.6 | 279.2 | 283.4 | 283.4 |
| 20° | 1083.3 | 1026.6 | 940.6 | 839.8 | 602.5 | 371.6 | 270.8 | 262.4 | 266.6 | 275.0 | 272.9 |
| 22.5° | 1116.9 | 1060.2 | 965.7 | 802.0 | 466.1 | 266.6 | 254.0 | 249.8 | 254.0 | 264.5 | 264.5 |
| 25° | 1144.2 | 1108.5 | 1005.6 | 709.6 | 329.6 | 241.4 | 237.2 | 241.4 | 245.6 | 249.8 | 256.1 |
| 27.5° | 1211.4 | 1150.5 | 1032.9 | 589.9 | 237.2 | 224.6 | 228.8 | 230.9 | 230.9 | 237.2 | 239.3 |
| 30° | 1255.5 | 1207.2 | 1053.9 | 455.6 | 209.9 | 207.8 | 212.0 | 214.1 | 216.2 | 222.5 | 224.6 |
| 32.5° | 1297.5 | 1280.7 | 1026.6 | 308.6 | 197.3 | 193.1 | 191.0 | 193.1 | 201.5 | 207.8 | 205.7 |
| 35° | 1358.3 | 1347.8 | 986.7 | 214.1 | 184.8 | 176.4 | 172.2 | 174.3 | 180.6 | 186.9 | 184.8 |
| 37.5° | 1431.8 | 1442.3 | 890.2 | 186.9 | 172.2 | 161.7 | 153.3 | 153.3 | 155.4 | 161.7 | 163.8 |
| 40° | 1517.9 | 1545.2 | 776.8 | 174.3 | 163.8 | 151.2 | 142.8 | 132.3 | 130.2 | 128.1 | 130.2 |
| 42.5° | 1675.4 | 1706.9 | 648.7 | 165.9 | 151.2 | 136.5 | 123.9 | 111.3 | 100.8 | 94.5 | 94.5 |
| 45° | 1895.8 | 1870.6 | 480.8 | 157.5 | 144.9 | 123.9 | 105.0 | 90.3 | 75.6 | 69.3 | 69.3 |
| 47.5° | 2200.2 | 2114.1 | 329.6 | 149.1 | 134.4 | 109.2 | 88.2 | 69.3 | 56.7 | 50.4 | 50.4 |
| 50° | 2622.2 | 2338.8 | 214.1 | 140.7 | 128.1 | 94.5 | 71.4 | 50.4 | 42.0 | 39.9 | 42.0 |
| 52.5° | 3021.1 | 2567.6 | 170.1 | 130.2 | 115.5 | 81.9 | 54.6 | 42.0 | 37.8 | 35.7 | 35.7 |
| 55° | 3388.5 | 2683.1 | 151.2 | 119.7 | 105.0 | 67.2 | 46.2 | 35.7 | 33.6 | 31.5 | 31.5 |
| 57.5° | 3699.2 | 2723.0 | 130.2 | 105.0 | 84.0 | 52.5 | 37.8 | 31.5 | 27.3 | 25.2 | 25.2 |
| 60° | 3968.0 | 2733.5 | 100.8 | 84.0 | 60.9 | 39.9 | 31.5 | 27.3 | 23.1 | 18.9 | 18.9 |
| 62.5° | 4182.1 | 2660.0 | 71.4 | 58.8 | 42.0 | 31.5 | 27.3 | 18.9 | 12.6 | 8.4 | 6.3 |
| 65° | 4352.2 | 2513.0 | 48.3 | 39.9 | 27.3 | 23.1 | 16.8 | 8.4 | 2.1 | 0.0 | 0.0 |
| 67.5° | 4152.7 | 2179.2 | 37.8 | 29.4 | 18.9 | 14.7 | 8.4 | 2.1 | 0.0 | 0.0 | 0.0 |
| 70° | 3386.4 | 1690.1 | 27.3 | 18.9 | 12.6 | 4.2 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 2305.2 | 1089.6 | 21.0 | 12.6 | 6.3 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 1035.0 | 390.5 | 14.7 | 8.4 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 251.9 | 92.4 | 10.5 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 67.2 | 23.1 | 6.3 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 25.2 | 8.4 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 10.5 | 4.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 4.2 | 2.1 | 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)