

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: P673288

Luminaire Tested: **CCP-SA-1E-760-U-T3-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673288
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-760-U-T3-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3 distribution lens and House Side Shield
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

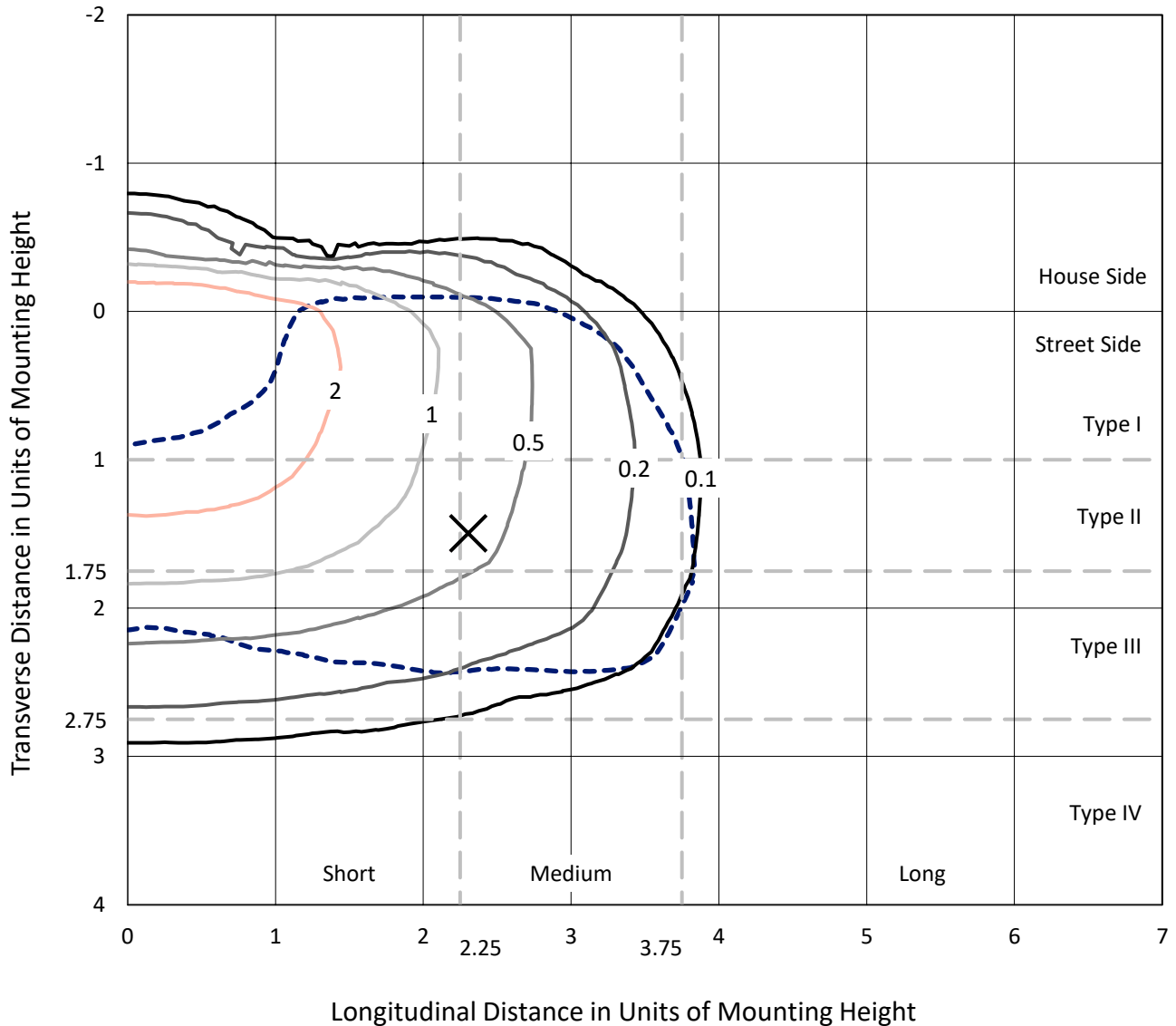
Lumens per Lamp: N/A
Luminaire Lumens: 5038.3 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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: P673288
 CATALOG NUMBER: CCP-SA-1E-760-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

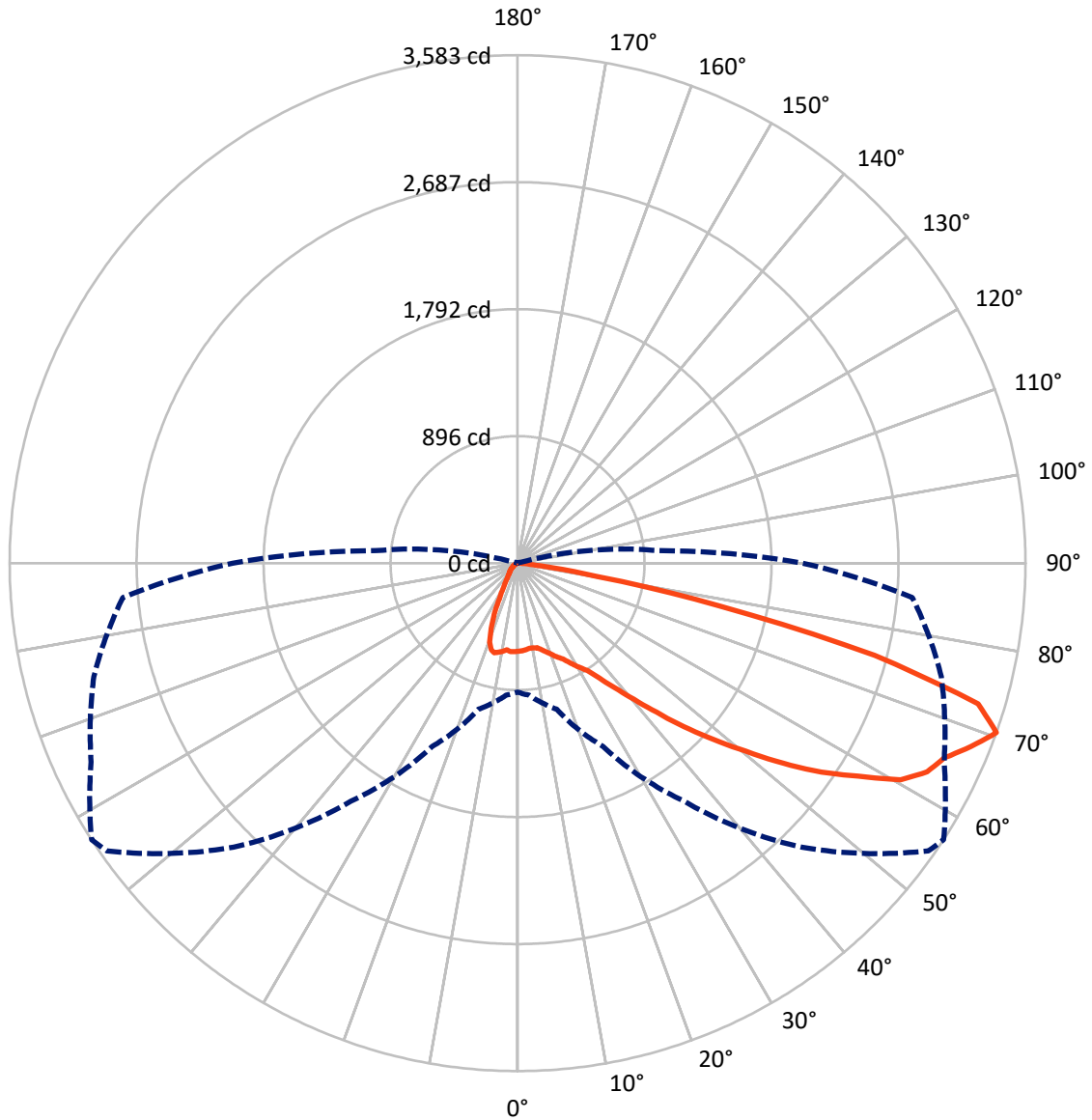
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P673288
CATALOG NUMBER: CCP-SA-1E-760-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P673288

CATALOG NUMBER: CCP-SA-1E-760-U-T3-HSS

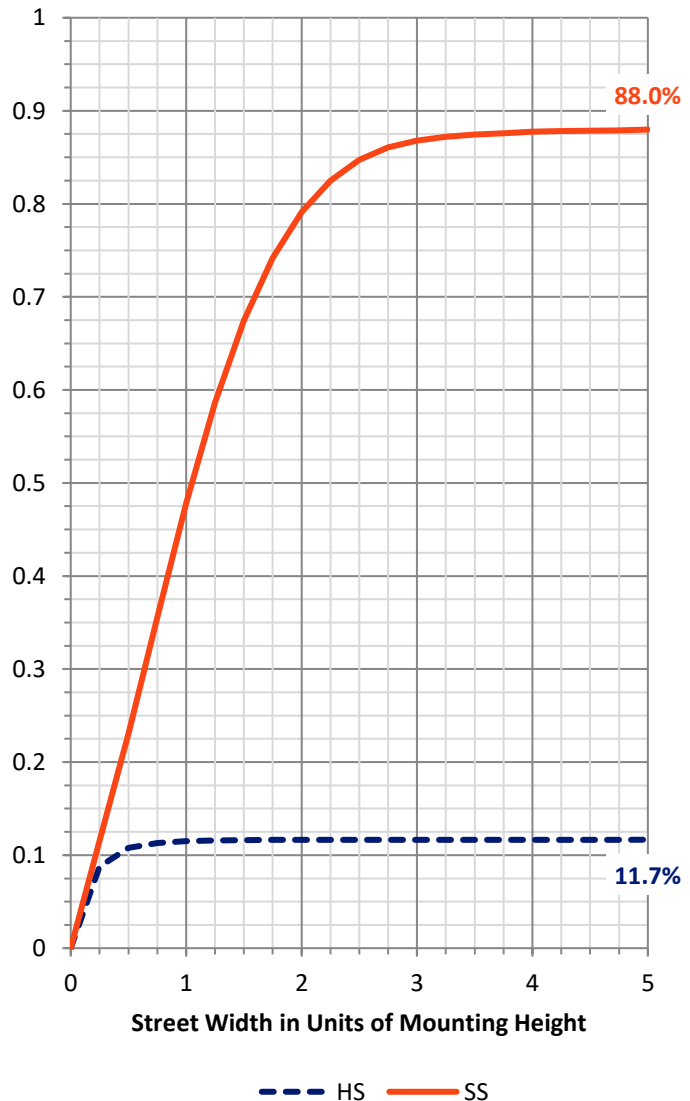
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 593.9 | 0.0 | 593.9 |
| | % Fixture | 11.8 | 0.0 | 11.8 |
| Street Side | Lumens | 4444.4 | 0.0 | 4444.4 |
| | % Fixture | 88.2 | 0.0 | 88.2 |
| Total | Lumens | 5038.3 | 0.0 | 5038.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 58.1 | 1.2 |
| 10°-20° | 162.4 | 3.2 |
| 20°-30° | 273.6 | 5.4 |
| 30°-40° | 468.2 | 9.3 |
| 40°-50° | 786.2 | 15.6 |
| 50°-60° | 1206.9 | 24.0 |
| 60°-70° | 1393.4 | 27.7 |
| 70°-80° | 658.2 | 13.1 |
| 80°-90° | 31.2 | 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° | 5038.3 | 100.0 |
| 0°-180° | 5038.3 | 100.0 |



REPORT NUMBER: P673288

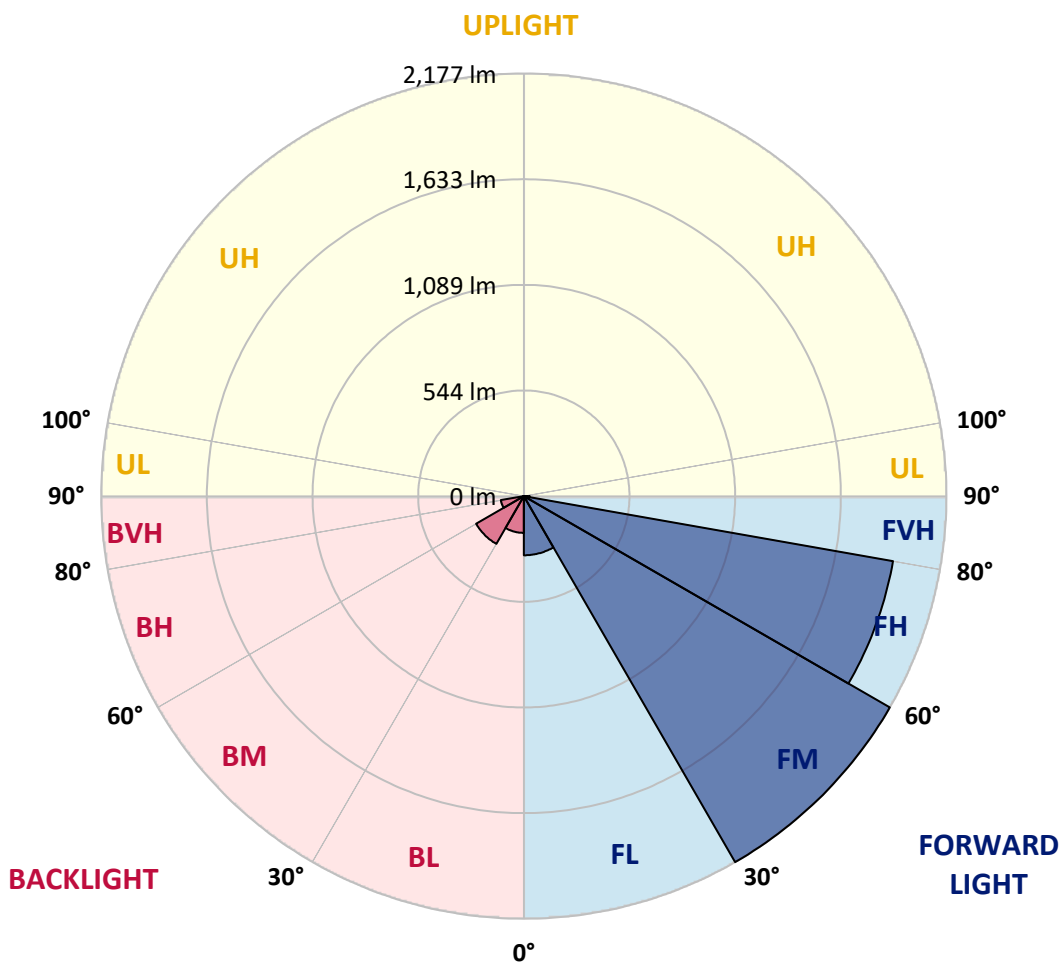
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 304.8 | 6.0 | | | |
| FM (30°-60°) | 2177.5 | 43.2 | | | |
| FH (60°-80°) | 1931.5 | 38.3 | | | G2/5000 |
| FVH (80°-90°) | 30.7 | 0.6 | | | G1/100 |
| BL (0°-30°) | 189.3 | 3.8 | B1/500 | | |
| BM (30°-60°) | 283.9 | 5.6 | B1/1000 | | |
| BH (60°-80°) | 120.1 | 2.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 0.6 | 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





REPORT NUMBER: P673288

CATALOG NUMBER: CCP-SA-1E-760-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 57° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 621.7 | 621.7 | 621.7 | 621.7 | 621.7 | 621.7 | 621.7 | 621.7 | 621.7 | 621.7 | 621.7 |
| 2.5° | 612.6 | 608.8 | 612.6 | 617.8 | 612.6 | 616.5 | 615.2 | 619.1 | 613.9 | 613.9 | 617.8 |
| 5° | 572.7 | 579.2 | 581.8 | 588.2 | 594.6 | 606.2 | 613.9 | 613.9 | 621.7 | 625.5 | 630.7 |
| 7.5° | 558.6 | 548.3 | 558.6 | 563.7 | 570.2 | 589.5 | 601.1 | 606.2 | 616.5 | 630.7 | 638.4 |
| 10° | 538.0 | 545.7 | 545.7 | 562.5 | 571.5 | 583.0 | 603.6 | 607.5 | 630.7 | 644.8 | 652.5 |
| 12.5° | 536.7 | 536.7 | 543.1 | 554.7 | 572.7 | 594.6 | 620.4 | 612.6 | 637.1 | 662.8 | 675.7 |
| 15° | 540.6 | 549.6 | 549.6 | 565.0 | 579.2 | 610.1 | 632.0 | 633.2 | 668.0 | 693.7 | 705.3 |
| 17.5° | 557.3 | 553.4 | 558.6 | 567.6 | 589.5 | 619.1 | 655.1 | 659.0 | 698.9 | 733.6 | 750.4 |
| 20° | 592.1 | 598.5 | 590.8 | 585.6 | 594.6 | 633.2 | 679.6 | 687.3 | 732.3 | 765.8 | 782.5 |
| 22.5° | 722.0 | 716.9 | 686.0 | 650.0 | 634.5 | 652.5 | 702.7 | 720.8 | 773.5 | 813.4 | 827.6 |
| 25° | 868.8 | 859.8 | 823.7 | 769.7 | 698.9 | 691.2 | 749.1 | 749.1 | 825.0 | 868.8 | 864.9 |
| 27.5° | 1007.8 | 1005.2 | 962.7 | 906.1 | 805.7 | 750.4 | 786.4 | 800.6 | 882.9 | 919.0 | 902.2 |
| 30° | 1149.4 | 1151.9 | 1113.3 | 1045.1 | 939.6 | 845.6 | 839.2 | 850.8 | 926.7 | 983.3 | 948.6 |
| 32.5° | 1314.1 | 1290.9 | 1263.9 | 1169.9 | 1073.4 | 967.9 | 907.4 | 902.2 | 975.6 | 1027.1 | 980.8 |
| 35° | 1460.8 | 1446.7 | 1417.1 | 1332.1 | 1221.4 | 1095.3 | 1010.4 | 997.5 | 1037.4 | 1105.6 | 1055.4 |
| 37.5° | 1589.5 | 1575.4 | 1536.8 | 1480.1 | 1393.9 | 1253.6 | 1133.9 | 1114.6 | 1131.3 | 1203.4 | 1142.9 |
| 40° | 1700.2 | 1704.1 | 1693.8 | 1638.4 | 1558.6 | 1431.2 | 1293.5 | 1262.6 | 1248.5 | 1312.8 | 1244.6 |
| 42.5° | 1780.0 | 1817.3 | 1819.9 | 1751.7 | 1687.4 | 1617.9 | 1463.4 | 1438.9 | 1405.5 | 1459.5 | 1411.9 |
| 45° | 1947.3 | 1926.7 | 1939.6 | 1915.2 | 1844.4 | 1834.1 | 1659.0 | 1644.9 | 1598.5 | 1616.6 | 1566.4 |
| 47.5° | 2078.6 | 2074.8 | 2099.2 | 2059.3 | 2040.0 | 2041.3 | 1881.7 | 1857.2 | 1791.6 | 1825.1 | 1768.4 |
| 50° | 2154.6 | 2134.0 | 2222.8 | 2253.7 | 2249.8 | 2265.2 | 2106.9 | 2086.3 | 2023.3 | 2072.2 | 1951.2 |
| 52.5° | 2172.6 | 2209.9 | 2293.6 | 2405.5 | 2453.2 | 2485.3 | 2352.8 | 2345.0 | 2276.8 | 2307.7 | 2140.4 |
| 55° | 2217.6 | 2253.7 | 2302.6 | 2486.6 | 2663.0 | 2670.7 | 2594.7 | 2602.5 | 2542.0 | 2534.2 | 2320.6 |
| 57.5° | 2216.3 | 2208.6 | 2343.8 | 2557.4 | 2802.0 | 2912.6 | 2871.5 | 2834.1 | 2768.5 | 2692.6 | 2436.4 |
| 60° | 2135.3 | 2131.4 | 2271.7 | 2566.4 | 2877.9 | 3131.5 | 3148.2 | 3104.4 | 2939.7 | 2827.7 | 2572.9 |
| 62.5° | 1974.4 | 1989.8 | 2131.4 | 2489.2 | 2950.0 | 3210.0 | 3271.7 | 3242.1 | 3037.5 | 2917.8 | 2733.7 |
| 65° | 1790.3 | 1758.1 | 1922.9 | 2296.1 | 2787.8 | 3186.8 | 3320.7 | 3310.4 | 3153.3 | 3015.6 | 2881.8 |
| 67.5° | 1436.4 | 1450.5 | 1576.7 | 1975.7 | 2511.1 | 3101.8 | 3435.2 | 3450.6 | 3246.0 | 3101.8 | 2926.8 |
| 70° | 910.0 | 935.7 | 1067.0 | 1427.4 | 2050.3 | 2834.1 | 3538.2 | 3583.2 | 3319.4 | 3094.1 | 2795.5 |
| 72.5° | 265.1 | 275.4 | 454.3 | 711.8 | 1306.4 | 2273.0 | 3373.4 | 3396.6 | 3176.5 | 2808.4 | 2162.3 |
| 75° | 87.5 | 92.7 | 133.9 | 231.7 | 512.3 | 1175.1 | 2491.8 | 2601.2 | 2527.8 | 2036.2 | 1236.9 |
| 77.5° | 57.9 | 60.5 | 73.4 | 110.7 | 194.3 | 368.1 | 1336.0 | 1453.1 | 1424.8 | 953.7 | 399.0 |
| 80° | 42.5 | 43.8 | 54.1 | 74.7 | 118.4 | 132.6 | 492.9 | 570.2 | 550.9 | 218.8 | 79.8 |
| 82.5° | 27.0 | 27.0 | 39.9 | 52.8 | 74.7 | 65.6 | 142.9 | 158.3 | 154.4 | 83.7 | 30.9 |
| 85° | 18.0 | 19.3 | 29.6 | 41.2 | 41.2 | 30.9 | 41.2 | 47.6 | 51.5 | 45.0 | 14.2 |
| 87.5° | 5.1 | 6.4 | 16.7 | 28.3 | 16.7 | 15.4 | 14.2 | 15.4 | 18.0 | 24.5 | 7.7 |
| 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: CCP-SA-1E-760-U-T3-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 621.7 | 621.7 | 621.7 | 621.7 | 621.7 | 621.7 | 621.7 | 621.7 | 621.7 | 621.7 | 621.7 |
| 2.5° | 621.7 | 626.8 | 625.5 | 628.1 | 624.2 | 620.4 | 624.2 | 624.2 | 624.2 | 620.4 | 617.8 |
| 5° | 626.8 | 624.2 | 626.8 | 621.7 | 626.8 | 621.7 | 619.1 | 611.4 | 610.1 | 610.1 | 615.2 |
| 7.5° | 634.5 | 637.1 | 625.5 | 625.5 | 613.9 | 616.5 | 610.1 | 611.4 | 608.8 | 604.9 | 602.4 |
| 10° | 646.1 | 656.4 | 644.8 | 641.0 | 628.1 | 617.8 | 602.4 | 594.6 | 594.6 | 589.5 | 594.6 |
| 12.5° | 678.3 | 674.4 | 668.0 | 655.1 | 639.7 | 619.1 | 581.8 | 544.4 | 513.5 | 490.4 | 502.0 |
| 15° | 704.0 | 702.7 | 693.7 | 669.3 | 648.7 | 585.6 | 491.7 | 395.1 | 343.6 | 320.5 | 316.6 |
| 17.5° | 743.9 | 740.1 | 724.6 | 692.4 | 624.2 | 485.2 | 337.2 | 256.1 | 205.9 | 194.3 | 190.5 |
| 20° | 781.3 | 780.0 | 746.5 | 705.3 | 562.5 | 353.9 | 220.1 | 168.6 | 154.4 | 155.7 | 153.2 |
| 22.5° | 821.2 | 814.7 | 774.8 | 689.9 | 447.9 | 235.5 | 157.0 | 150.6 | 145.4 | 144.2 | 146.7 |
| 25° | 866.2 | 843.0 | 803.1 | 655.1 | 329.5 | 162.2 | 148.0 | 142.9 | 137.7 | 136.4 | 136.4 |
| 27.5° | 884.2 | 868.8 | 816.0 | 571.5 | 208.5 | 141.6 | 139.0 | 132.6 | 126.1 | 122.3 | 121.0 |
| 30° | 925.4 | 899.7 | 828.9 | 449.2 | 148.0 | 130.0 | 126.1 | 118.4 | 109.4 | 103.0 | 103.0 |
| 32.5° | 966.6 | 935.7 | 830.2 | 314.0 | 123.6 | 117.1 | 110.7 | 100.4 | 88.8 | 82.4 | 83.7 |
| 35° | 1018.1 | 975.6 | 816.0 | 203.4 | 110.7 | 103.0 | 90.1 | 78.5 | 68.2 | 63.1 | 63.1 |
| 37.5° | 1105.6 | 1065.7 | 758.1 | 133.9 | 100.4 | 87.5 | 74.7 | 61.8 | 52.8 | 48.9 | 48.9 |
| 40° | 1216.3 | 1164.8 | 678.3 | 105.5 | 88.8 | 74.7 | 59.2 | 47.6 | 42.5 | 38.6 | 38.6 |
| 42.5° | 1348.9 | 1284.5 | 559.9 | 94.0 | 78.5 | 61.8 | 46.3 | 37.3 | 32.2 | 32.2 | 30.9 |
| 45° | 1481.4 | 1375.9 | 438.9 | 86.2 | 69.5 | 51.5 | 36.0 | 29.6 | 27.0 | 25.7 | 25.7 |
| 47.5° | 1670.6 | 1486.6 | 314.0 | 78.5 | 60.5 | 39.9 | 29.6 | 24.5 | 21.9 | 20.6 | 21.9 |
| 50° | 1852.1 | 1590.8 | 222.7 | 70.8 | 50.2 | 32.2 | 24.5 | 21.9 | 19.3 | 18.0 | 18.0 |
| 52.5° | 2011.7 | 1662.9 | 155.7 | 61.8 | 42.5 | 27.0 | 21.9 | 19.3 | 18.0 | 16.7 | 16.7 |
| 55° | 2099.2 | 1638.4 | 106.8 | 52.8 | 34.8 | 23.2 | 19.3 | 16.7 | 15.4 | 14.2 | 14.2 |
| 57.5° | 2189.3 | 1570.2 | 81.1 | 43.8 | 28.3 | 21.9 | 18.0 | 15.4 | 14.2 | 12.9 | 12.9 |
| 60° | 2265.2 | 1520.0 | 63.1 | 34.8 | 23.2 | 18.0 | 15.4 | 12.9 | 11.6 | 10.3 | 9.0 |
| 62.5° | 2269.1 | 1419.6 | 46.3 | 25.7 | 18.0 | 15.4 | 12.9 | 10.3 | 6.4 | 5.1 | 3.9 |
| 65° | 2284.6 | 1314.1 | 33.5 | 19.3 | 12.9 | 11.6 | 9.0 | 5.1 | 2.6 | 0.0 | 0.0 |
| 67.5° | 2230.5 | 1189.3 | 27.0 | 14.2 | 9.0 | 6.4 | 3.9 | 1.3 | 0.0 | 0.0 | 0.0 |
| 70° | 2010.4 | 1003.9 | 20.6 | 10.3 | 6.4 | 3.9 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 1438.9 | 652.5 | 14.2 | 7.7 | 2.6 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 767.1 | 278.0 | 10.3 | 5.1 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 240.7 | 70.8 | 6.4 | 2.6 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 52.8 | 19.3 | 3.9 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 18.0 | 7.7 | 2.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 6.4 | 2.6 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.6 | 1.3 | 1.3 | 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)