

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: P676165

Luminaire Tested: **CCW-SA-1C-827-U-T1**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676165
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-827-U-T1
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T1 distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

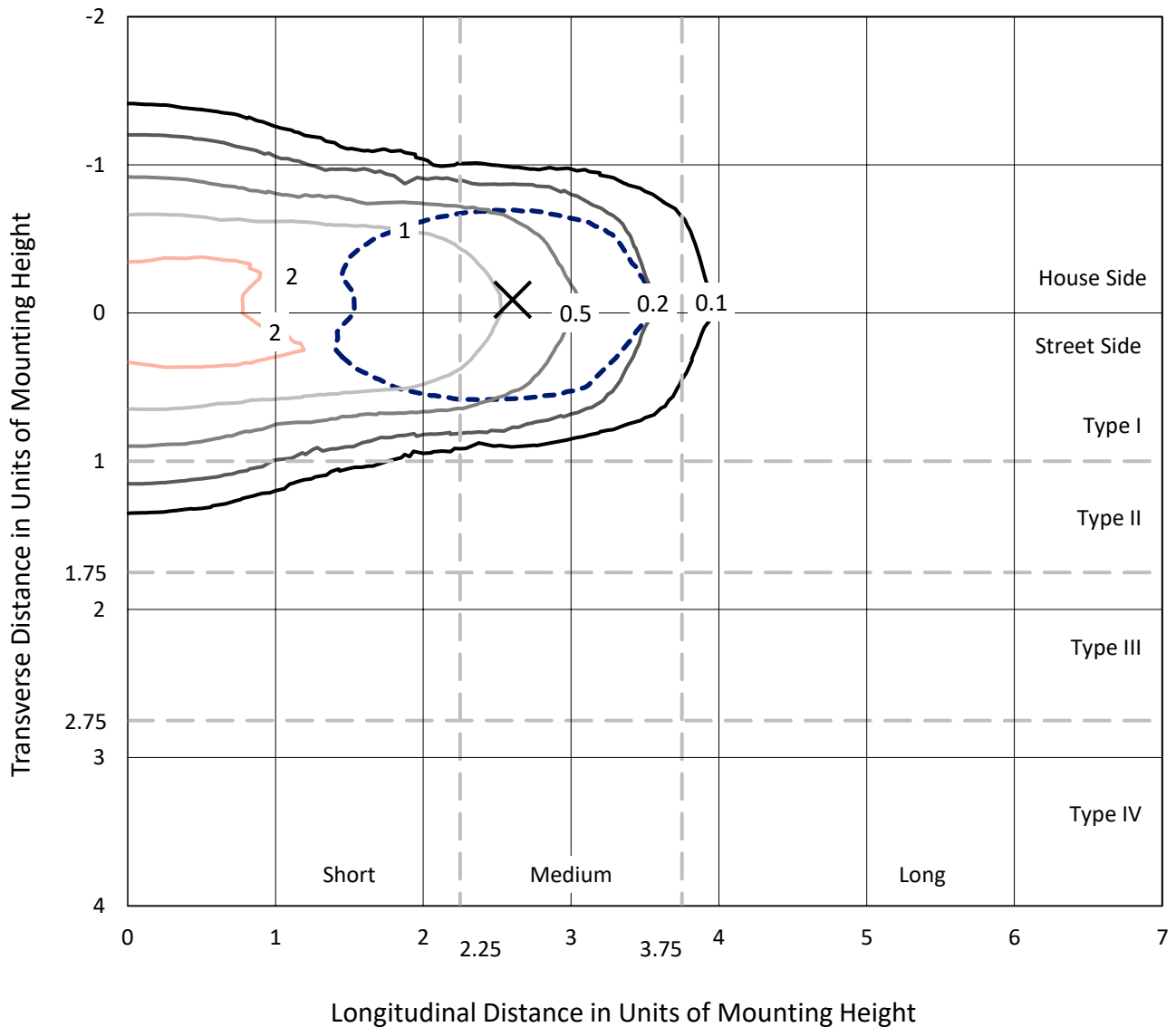
Lumens per Lamp: N/A
Luminaire Lumens: 3236.4 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 32
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

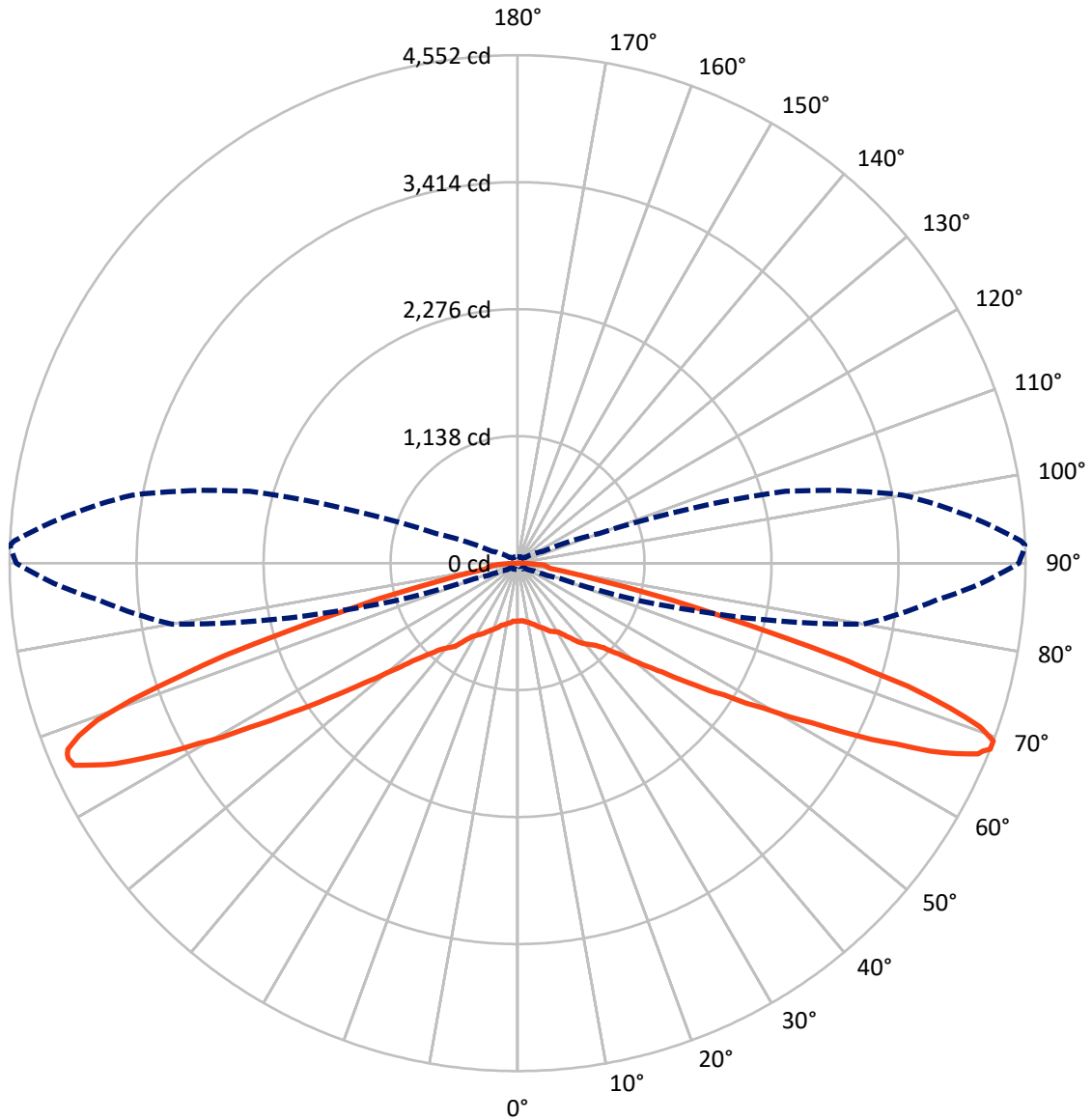
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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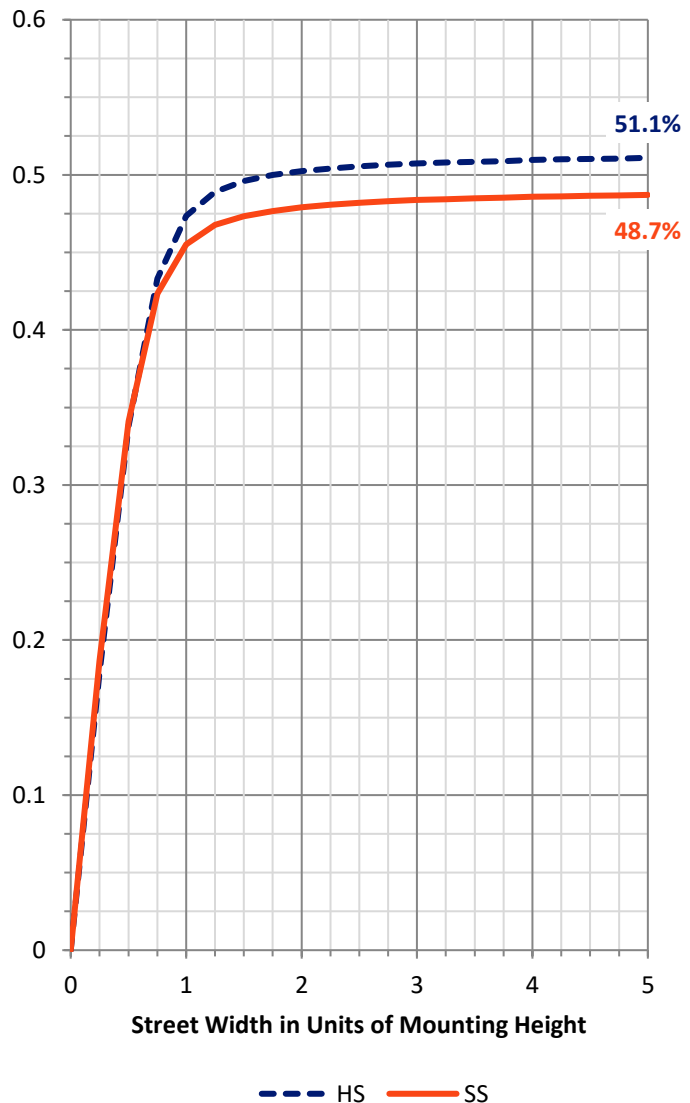
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1666.7 | 0.0 | 1666.7 |
| | % Fixture | 51.5 | 0.0 | 51.5 |
| Street Side | Lumens | 1569.7 | 0.0 | 1569.7 |
| | % Fixture | 48.5 | 0.0 | 48.5 |
| Total | Lumens | 3236.4 | 0.0 | 3236.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 51.8 | 1.6 |
| 10°-20° | 167.9 | 5.2 |
| 20°-30° | 286.5 | 8.9 |
| 30°-40° | 400.1 | 12.4 |
| 40°-50° | 508.9 | 15.7 |
| 50°-60° | 643.4 | 19.9 |
| 60°-70° | 793.5 | 24.5 |
| 70°-80° | 346.6 | 10.7 |
| 80°-90° | 37.6 | 1.2 |
| 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° | 3236.4 | 100.0 |
| 0°-180° | 3236.4 | 100.0 |



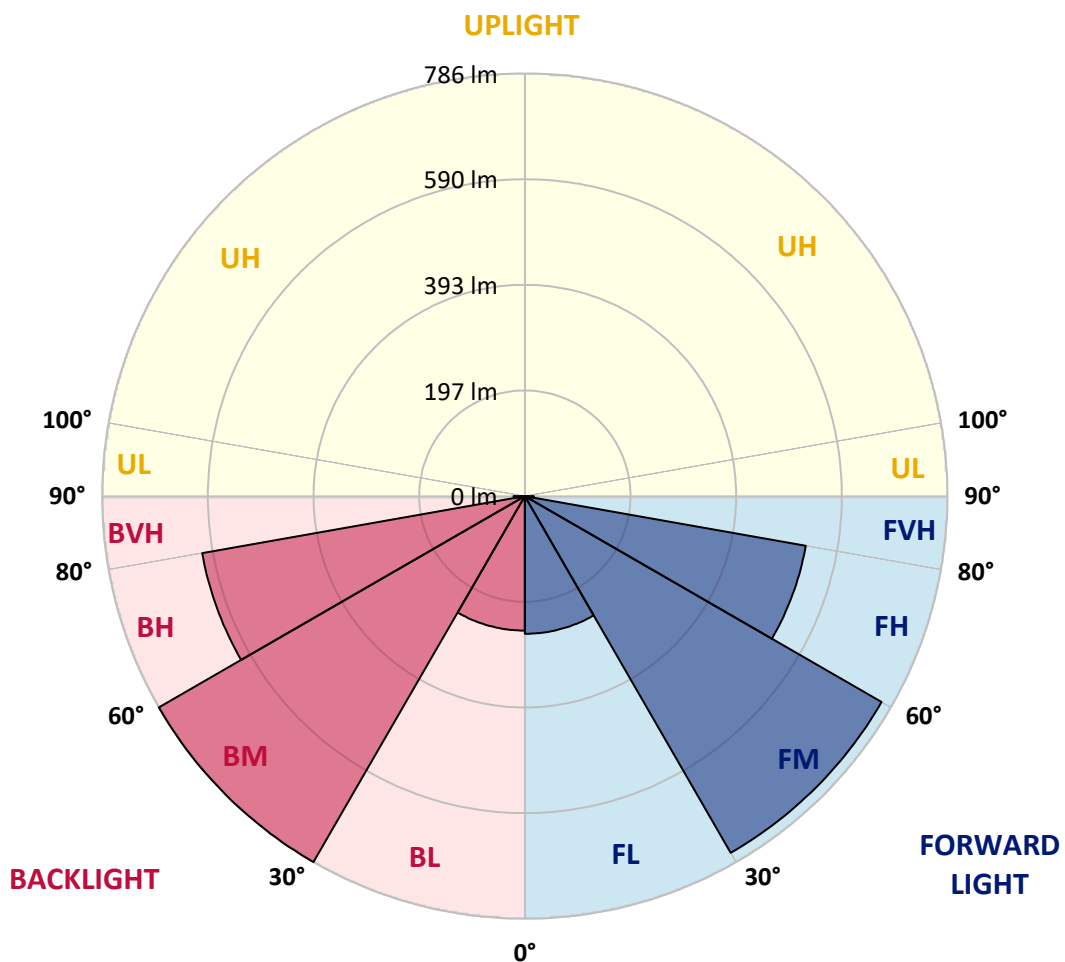
REPORT NUMBER: P676165
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 256.1 | 7.9 | | | |
| FM (30°-60°) | 766.2 | 23.7 | | | |
| FH (60°-80°) | 530.7 | 16.4 | | | G0/660 |
| FVH (80°-90°) | 16.7 | 0.5 | | | G1/100 |
| BL (0°-30°) | 250.1 | 7.7 | B1/500 | | |
| BM (30°-60°) | 786.2 | 24.3 | B1/1000 | | |
| BH (60°-80°) | 609.5 | 18.8 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 20.9 | 0.6 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 80° |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0° | 517.5 | 517.5 | 517.5 | 517.5 | 517.5 | 517.5 | 517.5 | 517.5 | 517.5 | 517.5 | 517.5 |
| 2.5° | 528.5 | 527.9 | 529.7 | 530.9 | 525.4 | 527.3 | 526.0 | 524.8 | 520.6 | 518.7 | 515.1 |
| 5° | 543.0 | 544.9 | 550.9 | 545.5 | 547.9 | 544.9 | 535.1 | 538.2 | 532.7 | 531.5 | 527.9 |
| 7.5° | 568.6 | 564.9 | 573.4 | 567.3 | 569.2 | 563.1 | 558.8 | 553.4 | 552.2 | 543.7 | 544.3 |
| 10° | 574.0 | 581.3 | 585.0 | 583.7 | 585.0 | 588.0 | 580.1 | 571.6 | 560.1 | 557.6 | 549.1 |
| 12.5° | 570.4 | 577.1 | 586.8 | 594.7 | 600.1 | 601.4 | 598.3 | 596.5 | 591.6 | 577.7 | 577.1 |
| 15° | 566.7 | 561.9 | 567.9 | 595.3 | 613.5 | 625.7 | 629.9 | 619.6 | 620.8 | 602.6 | 595.3 |
| 17.5° | 542.4 | 535.1 | 558.8 | 585.6 | 608.0 | 634.8 | 655.4 | 652.4 | 652.4 | 637.8 | 627.5 |
| 20° | 510.2 | 522.4 | 534.5 | 568.6 | 609.9 | 650.0 | 689.4 | 687.6 | 680.3 | 676.1 | 653.6 |
| 22.5° | 482.9 | 488.4 | 510.9 | 546.7 | 598.3 | 654.2 | 701.0 | 734.4 | 717.4 | 700.4 | 687.0 |
| 25° | 464.1 | 459.2 | 487.8 | 524.8 | 587.4 | 646.9 | 722.8 | 757.5 | 766.6 | 753.8 | 728.3 |
| 27.5° | 437.4 | 437.4 | 459.8 | 495.1 | 552.2 | 643.3 | 744.1 | 797.0 | 810.3 | 791.5 | 754.4 |
| 30° | 407.0 | 410.6 | 430.1 | 470.2 | 526.0 | 616.5 | 752.6 | 842.5 | 853.4 | 837.0 | 798.8 |
| 32.5° | 383.3 | 383.3 | 405.2 | 447.7 | 507.8 | 604.4 | 747.1 | 887.5 | 908.1 | 896.0 | 856.5 |
| 35° | 357.8 | 356.0 | 371.7 | 418.5 | 478.7 | 580.7 | 745.3 | 923.3 | 969.5 | 970.1 | 928.8 |
| 37.5° | 321.3 | 328.6 | 348.7 | 385.7 | 455.6 | 557.6 | 739.9 | 966.4 | 1049.0 | 1063.0 | 1034.5 |
| 40° | 297.0 | 300.1 | 318.3 | 359.0 | 419.7 | 530.3 | 732.0 | 1001.7 | 1101.9 | 1149.9 | 1110.4 |
| 42.5° | 261.8 | 266.1 | 280.0 | 330.4 | 385.1 | 491.4 | 697.3 | 1026.6 | 1177.2 | 1231.9 | 1198.5 |
| 45° | 224.7 | 227.2 | 247.8 | 289.1 | 348.1 | 445.2 | 660.3 | 1066.7 | 1250.1 | 1361.9 | 1342.4 |
| 47.5° | 180.4 | 181.6 | 199.2 | 242.4 | 303.7 | 399.1 | 603.2 | 1064.8 | 1309.0 | 1491.9 | 1546.5 |
| 50° | 140.9 | 144.0 | 157.3 | 192.6 | 250.3 | 342.6 | 537.0 | 1050.2 | 1383.1 | 1640.1 | 1747.6 |
| 52.5° | 112.4 | 113.0 | 121.5 | 149.4 | 193.2 | 286.1 | 465.9 | 1004.1 | 1453.0 | 1785.2 | 1994.2 |
| 55° | 92.9 | 92.9 | 97.8 | 114.8 | 148.2 | 217.5 | 382.7 | 927.5 | 1461.5 | 1945.6 | 2263.3 |
| 56° | 89.3 | 88.1 | 92.3 | 106.9 | 133.6 | 196.2 | 343.8 | 875.9 | 1473.6 | 2019.7 | 2398.1 |
| 57° | 84.4 | 85.0 | 87.5 | 97.8 | 120.3 | 173.7 | 300.7 | 825.5 | 1465.1 | 2080.5 | 2497.8 |
| 58° | 82.0 | 80.8 | 85.6 | 92.3 | 106.3 | 154.3 | 270.9 | 766.0 | 1451.8 | 2130.3 | 2642.9 |
| 59° | 78.4 | 77.8 | 80.8 | 86.9 | 99.0 | 137.3 | 234.5 | 701.6 | 1425.6 | 2194.7 | 2751.1 |
| 60° | 77.1 | 76.5 | 77.8 | 82.6 | 91.1 | 120.3 | 206.5 | 626.3 | 1355.8 | 2260.9 | 2885.3 |
| 61° | 73.5 | 74.1 | 76.5 | 79.6 | 86.3 | 108.1 | 185.9 | 549.1 | 1310.2 | 2316.7 | 3033.5 |
| 62° | 74.1 | 72.9 | 74.1 | 76.5 | 81.4 | 99.6 | 162.8 | 473.2 | 1228.8 | 2379.9 | 3144.7 |
| 63° | 70.5 | 69.9 | 71.7 | 74.7 | 77.1 | 89.9 | 142.1 | 408.8 | 1136.5 | 2394.5 | 3238.8 |
| 64° | 69.2 | 68.6 | 69.2 | 73.5 | 74.1 | 84.4 | 125.7 | 349.3 | 1002.9 | 2419.4 | 3359.7 |
| 65° | 66.2 | 66.2 | 67.4 | 69.2 | 71.7 | 79.6 | 112.4 | 303.1 | 869.8 | 2353.8 | 3396.8 |
| 66° | 63.8 | 64.4 | 64.4 | 67.4 | 69.2 | 74.1 | 103.3 | 257.6 | 742.3 | 2249.3 | 3432.6 |
| 67° | 62.0 | 62.0 | 62.6 | 65.0 | 66.8 | 69.9 | 92.9 | 222.9 | 626.3 | 2124.8 | 3377.3 |
| 67.5° | 60.7 | 61.4 | 61.4 | 63.8 | 65.6 | 69.9 | 88.7 | 211.4 | 560.1 | 1988.1 | 3336.0 |
| 68° | 58.9 | 59.5 | 59.5 | 62.0 | 63.8 | 67.4 | 85.6 | 193.2 | 516.3 | 1899.4 | 3259.5 |
| 69° | 57.7 | 57.1 | 57.1 | 59.5 | 62.0 | 64.4 | 79.6 | 168.9 | 410.6 | 1651.6 | 3147.7 |
| 70° | 54.1 | 54.1 | 55.3 | 57.1 | 58.9 | 61.4 | 73.5 | 148.8 | 347.5 | 1367.3 | 2859.8 |
| 71° | 52.2 | 51.6 | 52.2 | 54.1 | 55.9 | 58.9 | 67.4 | 131.8 | 284.3 | 1135.3 | 2576.7 |
| 72° | 48.6 | 49.8 | 49.8 | 51.6 | 53.5 | 55.3 | 63.2 | 114.8 | 238.7 | 907.5 | 2265.1 |
| 72.5° | 48.0 | 48.0 | 48.6 | 50.4 | 51.6 | 54.7 | 60.7 | 109.9 | 218.1 | 800.0 | 2134.5 |
| 73° | 46.2 | 46.2 | 46.8 | 48.6 | 49.8 | 52.8 | 58.9 | 99.0 | 198.6 | 711.9 | 1890.3 |
| 74° | 44.3 | 43.7 | 43.7 | 46.2 | 46.8 | 49.8 | 55.3 | 87.5 | 166.4 | 536.4 | 1517.4 |
| 75° | 41.3 | 41.3 | 41.9 | 43.1 | 43.7 | 46.2 | 51.0 | 77.8 | 140.3 | 416.1 | 1186.9 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 75° | 80° |
|-------|------|------|------|------|------|------|------|------|------|-------|-------|
| 77.5° | 34.0 | 34.6 | 35.2 | 36.4 | 36.4 | 38.3 | 41.9 | 54.1 | 85.6 | 210.8 | 544.9 |
| 80° | 24.9 | 26.1 | 27.9 | 29.8 | 29.2 | 29.2 | 32.8 | 38.9 | 51.0 | 94.8 | 209.0 |
| 82.5° | 20.0 | 21.3 | 19.4 | 21.9 | 21.9 | 20.7 | 23.7 | 28.5 | 34.6 | 46.8 | 74.7 |
| 85° | 13.4 | 14.0 | 11.5 | 13.4 | 12.8 | 12.8 | 15.8 | 17.0 | 21.3 | 26.1 | 37.1 |
| 87.5° | 6.1 | 6.1 | 4.9 | 5.5 | 5.5 | 5.5 | 7.9 | 6.1 | 9.1 | 12.8 | 21.9 |
| 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-1C-827-U-T1

CANDELA DISTRIBUTION (continued):

| | 85° | 87.5° | 90° | 92° | 92.5° | 95° | 100° | 105° | 110° | 115° | 125° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0° | 517.5 | 517.5 | 517.5 | 517.5 | 517.5 | 517.5 | 517.5 | 517.5 | 517.5 | 517.5 | 517.5 |
| 2.5° | 518.7 | 521.2 | 521.2 | 518.7 | 516.9 | 518.7 | 517.5 | 514.5 | 517.5 | 518.7 | 519.4 |
| 5° | 526.0 | 521.2 | 523.6 | 518.1 | 521.8 | 521.2 | 520.0 | 523.0 | 523.6 | 523.6 | 527.9 |
| 7.5° | 533.9 | 540.0 | 532.1 | 532.7 | 534.5 | 527.3 | 529.7 | 530.9 | 528.5 | 533.3 | 537.0 |
| 10° | 547.9 | 550.3 | 547.9 | 538.8 | 544.9 | 540.0 | 538.2 | 543.7 | 542.4 | 543.7 | 549.1 |
| 12.5° | 560.7 | 564.9 | 558.2 | 557.6 | 554.6 | 550.3 | 552.8 | 552.2 | 560.7 | 561.9 | 568.6 |
| 15° | 586.8 | 575.8 | 573.4 | 572.8 | 571.6 | 569.8 | 571.0 | 571.6 | 582.5 | 584.3 | 600.1 |
| 17.5° | 609.3 | 607.4 | 594.1 | 598.9 | 598.9 | 591.6 | 588.6 | 598.9 | 607.4 | 616.5 | 627.5 |
| 20° | 632.3 | 630.5 | 615.9 | 616.5 | 611.1 | 617.8 | 614.1 | 623.8 | 638.4 | 641.4 | 651.2 |
| 22.5° | 659.7 | 651.8 | 641.4 | 642.7 | 644.5 | 639.6 | 637.2 | 650.6 | 665.1 | 673.6 | 674.2 |
| 25° | 702.8 | 682.8 | 674.2 | 675.5 | 673.0 | 669.4 | 671.2 | 688.2 | 695.5 | 713.7 | 710.1 |
| 27.5° | 725.9 | 714.3 | 708.3 | 694.3 | 694.9 | 689.4 | 696.7 | 722.2 | 736.8 | 750.8 | 722.8 |
| 30° | 753.8 | 746.5 | 719.8 | 714.9 | 714.3 | 711.9 | 725.3 | 758.1 | 779.9 | 787.8 | 747.7 |
| 32.5° | 808.5 | 779.3 | 772.7 | 768.4 | 758.7 | 761.7 | 768.4 | 811.5 | 846.2 | 844.3 | 770.8 |
| 35° | 871.1 | 851.0 | 832.2 | 828.5 | 827.3 | 818.8 | 830.4 | 880.8 | 907.5 | 899.6 | 779.3 |
| 37.5° | 971.3 | 940.9 | 915.4 | 901.4 | 899.0 | 892.9 | 920.3 | 960.3 | 995.0 | 964.0 | 786.0 |
| 40° | 1020.5 | 986.5 | 962.8 | 954.3 | 956.1 | 964.6 | 991.3 | 1052.7 | 1067.9 | 1010.8 | 791.5 |
| 42.5° | 1090.9 | 1053.9 | 1007.1 | 1002.9 | 997.4 | 1001.7 | 1053.3 | 1135.9 | 1148.7 | 1073.9 | 770.8 |
| 45° | 1216.1 | 1160.2 | 1106.1 | 1081.8 | 1083.1 | 1094.6 | 1174.8 | 1265.3 | 1241.6 | 1117.7 | 738.0 |
| 47.5° | 1374.0 | 1292.0 | 1248.3 | 1215.5 | 1231.3 | 1218.5 | 1346.1 | 1418.4 | 1337.6 | 1173.0 | 697.9 |
| 50° | 1611.5 | 1496.7 | 1437.2 | 1397.7 | 1404.4 | 1415.3 | 1544.7 | 1606.0 | 1443.9 | 1199.7 | 636.6 |
| 52.5° | 1911.0 | 1763.4 | 1675.9 | 1623.1 | 1627.9 | 1651.6 | 1818.7 | 1799.8 | 1565.4 | 1222.2 | 554.6 |
| 55° | 2269.4 | 2117.5 | 1948.0 | 1926.2 | 1920.7 | 1977.2 | 2161.2 | 2002.7 | 1674.7 | 1186.3 | 469.5 |
| 56° | 2458.9 | 2297.3 | 2121.2 | 2076.2 | 2062.8 | 2102.3 | 2318.6 | 2104.1 | 1712.4 | 1146.2 | 428.8 |
| 57° | 2619.9 | 2465.6 | 2272.4 | 2195.9 | 2212.9 | 2287.0 | 2474.7 | 2199.5 | 1747.0 | 1104.9 | 390.6 |
| 58° | 2841.0 | 2664.8 | 2460.7 | 2402.4 | 2387.2 | 2446.1 | 2642.9 | 2295.5 | 1758.5 | 1062.4 | 355.3 |
| 59° | 3061.5 | 2850.1 | 2666.0 | 2559.7 | 2564.0 | 2671.5 | 2808.8 | 2409.7 | 1776.1 | 1008.3 | 310.4 |
| 60° | 3229.1 | 3122.8 | 2876.8 | 2797.2 | 2786.3 | 2941.8 | 2974.0 | 2486.2 | 1795.0 | 935.4 | 278.8 |
| 61° | 3466.6 | 3328.1 | 3099.1 | 2996.5 | 3026.2 | 3150.7 | 3152.6 | 2582.2 | 1767.0 | 843.1 | 239.9 |
| 62° | 3637.3 | 3600.9 | 3360.3 | 3262.5 | 3253.4 | 3418.6 | 3338.4 | 2666.6 | 1742.7 | 755.6 | 212.0 |
| 63° | 3837.1 | 3837.1 | 3617.9 | 3541.3 | 3545.6 | 3676.2 | 3419.2 | 2751.1 | 1714.8 | 659.1 | 186.5 |
| 64° | 3941.0 | 4071.6 | 3869.3 | 3761.8 | 3789.8 | 3902.7 | 3563.2 | 2806.3 | 1628.5 | 561.3 | 164.0 |
| 65° | 4030.9 | 4227.1 | 4114.7 | 4064.9 | 4022.4 | 4089.2 | 3687.7 | 2858.0 | 1496.7 | 477.4 | 145.8 |
| 66° | 4106.8 | 4373.5 | 4336.5 | 4283.0 | 4278.7 | 4263.6 | 3712.0 | 2856.1 | 1360.6 | 403.3 | 127.6 |
| 67° | 4068.6 | 4376.5 | 4444.0 | 4466.4 | 4459.8 | 4299.4 | 3669.5 | 2791.1 | 1186.3 | 340.8 | 113.6 |
| 67.5° | 4034.0 | 4351.6 | 4508.4 | 4495.6 | 4523.5 | 4329.8 | 3676.8 | 2711.6 | 1062.4 | 308.6 | 106.9 |
| 68° | 4003.6 | 4318.2 | 4534.5 | 4550.9 | 4536.9 | 4333.4 | 3636.7 | 2648.4 | 978.0 | 289.7 | 100.8 |
| 69° | 3773.4 | 4159.7 | 4492.6 | 4551.5 | 4515.6 | 4194.3 | 3509.1 | 2483.8 | 776.9 | 247.2 | 92.9 |
| 70° | 3542.5 | 3954.4 | 4289.1 | 4397.2 | 4352.9 | 3925.2 | 3348.2 | 2222.0 | 640.8 | 211.4 | 83.8 |
| 71° | 3223.0 | 3572.9 | 4018.2 | 4083.2 | 4029.7 | 3619.1 | 3015.3 | 1945.6 | 498.7 | 179.2 | 74.7 |
| 72° | 2789.3 | 3086.4 | 3511.6 | 3668.9 | 3589.9 | 3178.7 | 2678.8 | 1607.9 | 403.9 | 150.6 | 68.0 |
| 72.5° | 2574.3 | 2878.6 | 3288.6 | 3301.4 | 3316.6 | 2987.3 | 2536.0 | 1412.3 | 352.3 | 139.7 | 66.2 |
| 73° | 2370.2 | 2668.4 | 3023.2 | 3068.1 | 3003.8 | 2664.8 | 2322.8 | 1262.9 | 321.9 | 127.6 | 63.8 |
| 74° | 1920.7 | 2090.8 | 2384.8 | 2428.5 | 2372.0 | 2172.8 | 1898.2 | 968.2 | 256.3 | 109.9 | 58.3 |
| 75° | 1511.3 | 1604.8 | 1870.9 | 1844.2 | 1759.7 | 1689.9 | 1471.8 | 739.9 | 207.7 | 96.6 | 54.1 |



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 CATALOG NUMBER: CCW-SA-1C-827-U-T1

CANDELA DISTRIBUTION (continued):

| | 85° | 87.5° | 90° | 92° | 92.5° | 95° | 100° | 105° | 110° | 115° | 125° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 77.5° | 679.1 | 735.6 | 779.9 | 779.9 | 784.8 | 749.0 | 678.5 | 339.6 | 128.2 | 69.9 | 44.3 |
| 80° | 258.8 | 289.7 | 299.5 | 300.1 | 304.3 | 315.3 | 293.4 | 167.0 | 75.9 | 49.8 | 35.8 |
| 82.5° | 187.7 | 262.4 | 282.5 | 267.9 | 269.1 | 243.0 | 112.4 | 74.1 | 48.0 | 34.6 | 26.1 |
| 85° | 170.1 | 228.4 | 241.8 | 239.9 | 240.5 | 224.7 | 66.2 | 36.4 | 27.9 | 21.9 | 18.2 |
| 87.5° | 82.6 | 80.8 | 85.6 | 96.6 | 94.2 | 122.1 | 55.9 | 18.2 | 12.1 | 9.1 | 9.1 |
| 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: P676165

CATALOG NUMBER: CCW-SA-1C-827-U-T1

CANDELA DISTRIBUTION (continued):

| | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|
| 0° | 517.5 | 517.5 | 517.5 | 517.5 | 517.5 | 517.5 |
| 2.5° | 514.5 | 513.9 | 522.4 | 513.9 | 518.7 | 515.1 |
| 5° | 520.6 | 523.0 | 524.8 | 528.5 | 520.0 | 528.5 |
| 7.5° | 538.8 | 541.2 | 541.8 | 544.9 | 541.2 | 540.6 |
| 10° | 552.8 | 558.8 | 562.5 | 550.3 | 557.6 | 557.0 |
| 12.5° | 580.1 | 574.0 | 573.4 | 571.0 | 564.3 | 561.9 |
| 15° | 599.5 | 590.4 | 585.0 | 575.2 | 567.3 | 564.3 |
| 17.5° | 626.9 | 609.3 | 586.8 | 566.7 | 552.8 | 541.8 |
| 20° | 643.9 | 612.3 | 567.3 | 543.7 | 522.4 | 527.3 |
| 22.5° | 654.8 | 609.3 | 549.7 | 519.4 | 498.1 | 504.2 |
| 25° | 658.5 | 594.1 | 537.6 | 499.9 | 479.3 | 475.0 |
| 27.5° | 648.1 | 576.5 | 513.9 | 471.4 | 453.1 | 456.8 |
| 30° | 643.3 | 550.9 | 492.0 | 450.1 | 425.8 | 429.5 |
| 32.5° | 630.5 | 524.8 | 462.9 | 420.3 | 402.7 | 396.7 |
| 35° | 612.3 | 503.0 | 434.9 | 394.8 | 373.6 | 368.7 |
| 37.5° | 589.8 | 475.6 | 410.6 | 362.0 | 343.2 | 339.6 |
| 40° | 556.4 | 442.8 | 375.4 | 333.5 | 311.6 | 311.0 |
| 42.5° | 527.3 | 411.2 | 342.6 | 299.5 | 277.6 | 278.8 |
| 45° | 490.2 | 368.7 | 304.9 | 267.9 | 246.0 | 247.2 |
| 47.5° | 442.8 | 329.2 | 269.1 | 227.8 | 209.6 | 208.3 |
| 50° | 386.9 | 284.3 | 225.4 | 190.1 | 174.9 | 171.9 |
| 52.5° | 333.5 | 238.7 | 184.7 | 153.1 | 140.3 | 139.1 |
| 55° | 266.1 | 185.9 | 144.0 | 120.3 | 110.6 | 111.2 |
| 56° | 241.8 | 171.3 | 131.2 | 109.9 | 102.7 | 102.7 |
| 57° | 218.7 | 151.9 | 119.1 | 101.4 | 94.8 | 94.8 |
| 58° | 193.2 | 133.6 | 108.1 | 91.7 | 88.7 | 86.3 |
| 59° | 175.5 | 121.5 | 97.8 | 86.9 | 82.0 | 81.4 |
| 60° | 154.9 | 109.3 | 91.1 | 81.4 | 77.8 | 77.1 |
| 61° | 137.3 | 98.4 | 83.8 | 75.9 | 74.7 | 74.7 |
| 62° | 122.7 | 91.1 | 77.8 | 73.5 | 72.9 | 71.1 |
| 63° | 109.9 | 83.8 | 74.7 | 69.9 | 68.0 | 69.9 |
| 64° | 98.4 | 77.1 | 72.3 | 68.6 | 66.2 | 67.4 |
| 65° | 89.3 | 74.1 | 69.2 | 66.8 | 64.4 | 65.0 |
| 66° | 83.2 | 69.2 | 66.8 | 63.8 | 62.6 | 63.2 |
| 67° | 75.3 | 66.8 | 64.4 | 61.4 | 60.7 | 61.4 |
| 67.5° | 72.9 | 65.0 | 63.2 | 60.1 | 59.5 | 60.1 |
| 68° | 71.1 | 63.8 | 62.6 | 59.5 | 58.9 | 58.3 |
| 69° | 66.2 | 61.4 | 59.5 | 58.3 | 57.1 | 56.5 |
| 70° | 62.0 | 58.9 | 57.7 | 55.9 | 54.7 | 54.1 |
| 71° | 59.5 | 55.9 | 55.3 | 53.5 | 52.2 | 51.6 |
| 72° | 56.5 | 54.1 | 52.8 | 50.4 | 49.8 | 50.4 |
| 72.5° | 55.9 | 52.8 | 52.2 | 49.8 | 49.2 | 49.2 |
| 73° | 54.1 | 50.4 | 51.0 | 48.6 | 47.4 | 48.6 |
| 74° | 50.4 | 49.2 | 48.0 | 46.2 | 45.6 | 45.6 |
| 75° | 47.4 | 46.2 | 44.9 | 43.7 | 43.7 | 43.7 |



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| 80° | 32.2 | 32.2 | 32.8 | 31.0 | 29.8 | 29.2 |
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