

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: SHAPER

Report Number: P368716

Luminaire Tested: **605-37-L4/830**

Issue Date: 11/13/2019

Test Information

Test Method: LM-79-08
Report Number: P368716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33931)
Test Lab: INNOVATIONS CENTER
Issue Date: 11/13/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: SHAPER
Catalog Number: 605-37-L4/830
Description: 37" 605 SERIES LUMINOUS WALL SCONCE
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

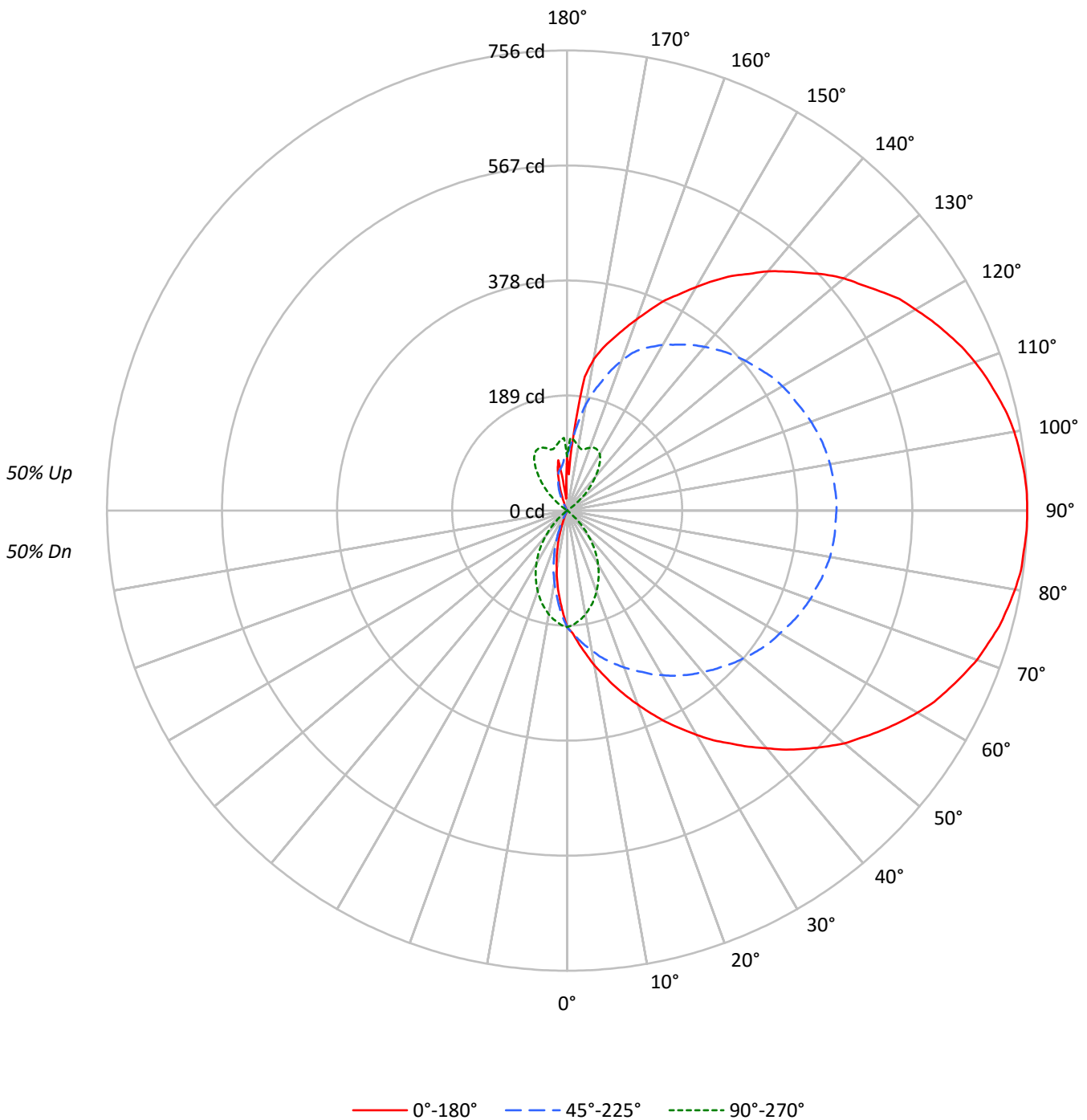
Lumens per Lamp: N/A
Luminaire Lumens: 2291.0 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 2.04 / 0.89 / 1.74
Luminous Opening: Rectangular w/ Sides (W: 3.08' x L: 0.25' x H: 0.71')
CIE Type: General Diffuse

Input Watts (W): 31.1
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



TEST NUMBER: P368716
CATALOG NUMBER: 605-37-L4/830

Luminous Intensity Polar Plot





TEST NUMBER: P368716
 CATALOG NUMBER: 605-37-L4/830

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 56 | 56 | 56 | 50 |
| 1 | 93 | 87 | 81 | 76 | 85 | 80 | 75 | 70 | 66 | 62 | 59 | 54 | 51 | 48 | 42 | 40 | 38 | 33 |
| 2 | 83 | 73 | 65 | 59 | 76 | 67 | 60 | 54 | 55 | 50 | 45 | 45 | 40 | 37 | 35 | 32 | 29 | 24 |
| 3 | 75 | 63 | 54 | 47 | 68 | 58 | 50 | 43 | 48 | 41 | 36 | 38 | 33 | 29 | 29 | 26 | 23 | 18 |
| 4 | 68 | 55 | 46 | 38 | 62 | 50 | 42 | 35 | 41 | 35 | 30 | 33 | 28 | 24 | 26 | 22 | 19 | 15 |
| 5 | 62 | 48 | 39 | 32 | 56 | 44 | 36 | 30 | 37 | 30 | 25 | 29 | 24 | 20 | 23 | 19 | 15 | 12 |
| 6 | 57 | 43 | 34 | 27 | 52 | 39 | 31 | 25 | 33 | 26 | 21 | 26 | 21 | 17 | 20 | 16 | 13 | 10 |
| 7 | 52 | 39 | 30 | 24 | 48 | 35 | 27 | 22 | 29 | 23 | 18 | 24 | 19 | 15 | 18 | 14 | 11 | 9 |
| 8 | 48 | 35 | 26 | 21 | 44 | 32 | 24 | 19 | 27 | 20 | 16 | 22 | 17 | 13 | 17 | 13 | 10 | 7 |
| 9 | 45 | 32 | 24 | 18 | 41 | 29 | 22 | 17 | 24 | 18 | 14 | 20 | 15 | 11 | 15 | 12 | 9 | 7 |
| 10 | 42 | 29 | 21 | 16 | 38 | 27 | 20 | 15 | 22 | 17 | 13 | 18 | 14 | 10 | 14 | 11 | 8 | 6 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|------|------|------|
| 0° | 2673 | 2673 | 2673 |
| 5° | 2464 | 2530 | 1615 |
| 10° | 2443 | 2359 | 933 |
| 15° | 2444 | 2159 | 491 |
| 20° | 2479 | 1939 | 160 |
| 25° | 2541 | 1696 | 0 |
| 30° | 2602 | 1441 | 0 |
| 35° | 2667 | 1163 | 0 |
| 40° | 2750 | 839 | 0 |
| 45° | 2851 | 509 | 0 |
| 50° | 2953 | 125 | 0 |
| 55° | 3040 | 0 | 0 |
| 60° | 3141 | 0 | 0 |
| 65° | 3233 | 0 | 0 |
| 70° | 3331 | 0 | 0 |
| 75° | 3426 | 0 | 0 |
| 80° | 3520 | 0 | 0 |
| 85° | 3615 | 0 | 0 |



TEST NUMBER: P368716
 CATALOG NUMBER: 605-37-L4/830

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 17.3 | 0.8 |
| 10°-20° | 47.8 | 2.1 |
| 20°-30° | 72.8 | 3.2 |
| 30°-40° | 100.6 | 4.4 |
| 40°-50° | 131.5 | 5.7 |
| 50°-60° | 162.0 | 7.1 |
| 60°-70° | 188.7 | 8.2 |
| 70°-80° | 208.6 | 9.1 |
| 80°-90° | 219.3 | 9.6 |
| 90°-100° | 219.5 | 9.6 |
| 100°-110° | 209.1 | 9.1 |
| 110°-120° | 189.9 | 8.3 |
| 120°-130° | 164.4 | 7.2 |
| 130°-140° | 134.4 | 5.9 |
| 140°-150° | 103.1 | 4.5 |
| 150°-160° | 71.7 | 3.1 |
| 160°-170° | 39.6 | 1.7 |
| 170°-180° | 10.5 | 0.5 |
| 0°-30° | 137.9 | 6.0 |
| 0°-40° | 238.5 | 10.4 |
| 0°-60° | 532.0 | 23.2 |
| 0°-90° | 1148.7 | 50.1 |
| 90°-120° | 618.5 | 27.0 |
| 90°-150° | 1020.5 | 44.5 |
| 90°-180° | 1142.0 | 49.8 |
| 0°-180° | 2291.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|-----|-----|-----|------|------|------|
| 0° | 191 | 191 | 191 | 191 | 191 | |
| 5° | 219 | 212 | 184 | 156 | 144 | 22 |
| 15° | 297 | 255 | 158 | 84 | 60 | 86 |
| 25° | 383 | 293 | 122 | 18 | 0 | 178 |
| 35° | 467 | 330 | 79 | 0 | 0 | 295 |
| 45° | 553 | 362 | 32 | 0 | 0 | 429 |
| 55° | 630 | 392 | 0 | 0 | 0 | 566 |
| 65° | 692 | 416 | 0 | 0 | 0 | 687 |
| 75° | 735 | 433 | 0 | 0 | 0 | 776 |
| 85° | 753 | 441 | 0 | 0 | 0 | 615 |
| 90° | 756 | 442 | 0 | 0 | 0 | 414 |
| 95° | 753 | 441 | 0 | 0 | 0 | 614 |
| 105° | 731 | 434 | 0 | 0 | 0 | 773 |
| 115° | 689 | 417 | 0 | 0 | 0 | 684 |
| 125° | 628 | 396 | 2 | 0 | 0 | 564 |
| 135° | 552 | 368 | 50 | 0 | 0 | 429 |
| 145° | 470 | 333 | 93 | 0 | 0 | 296 |
| 155° | 382 | 294 | 112 | 22 | 0 | 177 |
| 165° | 293 | 219 | 104 | 56 | 55 | 84 |
| 175° | 129 | 122 | 117 | 78 | 20 | 17 |
| 180° | 89 | 89 | 89 | 89 | 89 | |



TEST NUMBER: P368716
 CATALOG NUMBER: 605-37-L4/830

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 |
| 2.5° | 201.1 | 203.6 | 203.6 | 203.6 | 203.6 | 203.6 | 203.6 | 202.4 | 201.1 | 202.4 | 199.9 |
| 5° | 219.4 | 220.6 | 221.9 | 219.4 | 220.6 | 219.4 | 217.0 | 215.8 | 214.5 | 212.1 | 210.9 |
| 7.5° | 237.7 | 240.1 | 238.9 | 238.9 | 237.7 | 235.3 | 232.8 | 229.2 | 225.5 | 223.1 | 218.2 |
| 10° | 258.4 | 259.6 | 258.4 | 258.4 | 254.8 | 252.3 | 248.7 | 242.6 | 238.9 | 232.8 | 227.9 |
| 12.5° | 276.7 | 279.1 | 277.9 | 275.5 | 273.1 | 268.2 | 264.5 | 258.4 | 252.3 | 245.0 | 236.5 |
| 15° | 297.4 | 298.7 | 296.2 | 293.8 | 290.1 | 285.2 | 279.1 | 270.6 | 263.3 | 254.8 | 245.0 |
| 17.5° | 318.2 | 320.6 | 316.9 | 314.5 | 308.4 | 302.3 | 293.8 | 285.2 | 275.5 | 264.5 | 252.3 |
| 20° | 338.9 | 340.1 | 336.4 | 334.0 | 327.9 | 319.4 | 309.6 | 298.7 | 287.7 | 274.3 | 260.9 |
| 22.5° | 360.8 | 360.8 | 358.4 | 352.3 | 345.0 | 336.4 | 325.5 | 313.3 | 298.7 | 284.0 | 267.0 |
| 25° | 382.8 | 380.3 | 380.3 | 371.8 | 364.5 | 354.7 | 340.1 | 326.7 | 310.8 | 292.6 | 274.3 |
| 27.5° | 403.5 | 404.7 | 399.8 | 394.9 | 384.0 | 370.6 | 357.2 | 341.3 | 323.0 | 303.5 | 281.6 |
| 30° | 425.4 | 426.6 | 423.0 | 414.5 | 402.3 | 390.1 | 373.0 | 354.7 | 335.2 | 312.1 | 288.9 |
| 32.5° | 447.4 | 447.4 | 443.7 | 435.2 | 423.0 | 407.1 | 388.9 | 369.4 | 346.2 | 321.8 | 295.0 |
| 35° | 466.9 | 469.3 | 463.2 | 453.5 | 441.3 | 424.2 | 403.5 | 381.5 | 357.2 | 330.3 | 301.1 |
| 37.5° | 488.8 | 490.0 | 482.7 | 473.0 | 459.6 | 441.3 | 420.5 | 393.7 | 368.1 | 338.9 | 307.2 |
| 40° | 509.5 | 512.0 | 504.7 | 493.7 | 477.8 | 458.3 | 434.0 | 408.4 | 377.9 | 346.2 | 312.1 |
| 42.5° | 532.7 | 531.5 | 525.4 | 513.2 | 496.1 | 475.4 | 451.0 | 421.8 | 388.9 | 354.7 | 319.4 |
| 45° | 553.4 | 552.2 | 544.9 | 532.7 | 514.4 | 491.2 | 464.4 | 434.0 | 399.8 | 362.0 | 324.2 |
| 47.5° | 574.1 | 572.9 | 565.6 | 551.0 | 532.7 | 509.5 | 479.1 | 446.1 | 410.8 | 370.6 | 329.1 |
| 50° | 594.9 | 593.6 | 582.7 | 569.3 | 548.5 | 522.9 | 492.5 | 458.3 | 419.3 | 377.9 | 334.0 |
| 52.5° | 611.9 | 610.7 | 602.2 | 586.3 | 565.6 | 538.8 | 505.9 | 469.3 | 429.1 | 385.2 | 338.9 |
| 55° | 630.2 | 629.0 | 619.2 | 603.4 | 581.5 | 553.4 | 519.3 | 480.3 | 437.6 | 392.5 | 343.8 |
| 57.5° | 647.3 | 646.1 | 636.3 | 619.2 | 597.3 | 566.8 | 531.5 | 491.2 | 446.1 | 398.6 | 347.4 |
| 60° | 664.3 | 661.9 | 650.9 | 632.7 | 608.3 | 579.0 | 541.2 | 501.0 | 453.5 | 403.5 | 351.1 |
| 62.5° | 680.2 | 676.5 | 664.3 | 647.3 | 622.9 | 591.2 | 552.2 | 509.5 | 462.0 | 409.6 | 354.7 |
| 65° | 692.4 | 689.9 | 679.0 | 660.7 | 635.1 | 602.2 | 563.2 | 518.1 | 469.3 | 415.7 | 358.4 |
| 67.5° | 704.6 | 703.4 | 691.2 | 671.7 | 646.1 | 611.9 | 572.9 | 526.6 | 476.6 | 420.5 | 362.0 |
| 70° | 716.8 | 713.1 | 700.9 | 681.4 | 654.6 | 620.5 | 579.0 | 532.7 | 481.5 | 425.4 | 365.7 |
| 72.5° | 725.3 | 722.9 | 710.7 | 689.9 | 663.1 | 627.8 | 586.3 | 538.8 | 485.2 | 427.9 | 366.9 |
| 75° | 735.0 | 731.4 | 719.2 | 698.5 | 670.4 | 635.1 | 592.4 | 544.9 | 491.2 | 432.7 | 370.6 |
| 77.5° | 741.1 | 738.7 | 725.3 | 705.8 | 677.8 | 641.2 | 598.5 | 548.5 | 494.9 | 435.2 | 373.0 |
| 80° | 747.2 | 743.6 | 730.2 | 710.7 | 681.4 | 646.1 | 602.2 | 553.4 | 498.6 | 438.8 | 375.4 |
| 82.5° | 752.1 | 747.2 | 735.0 | 714.3 | 685.1 | 648.5 | 605.8 | 555.9 | 501.0 | 440.1 | 376.7 |
| 85° | 753.3 | 749.7 | 737.5 | 715.5 | 687.5 | 649.7 | 607.1 | 557.1 | 502.2 | 441.3 | 376.7 |
| 87.5° | 755.8 | 750.9 | 737.5 | 716.8 | 688.7 | 650.9 | 607.1 | 558.3 | 502.2 | 441.3 | 377.9 |
| 90° | 755.8 | 752.1 | 738.7 | 718.0 | 688.7 | 652.2 | 608.3 | 558.3 | 503.4 | 442.5 | 379.1 |
| 92.5° | 755.8 | 750.9 | 737.5 | 716.8 | 688.7 | 650.9 | 608.3 | 558.3 | 503.4 | 442.5 | 379.1 |
| 95° | 753.3 | 747.2 | 735.0 | 714.3 | 686.3 | 649.7 | 605.8 | 555.9 | 501.0 | 441.3 | 377.9 |
| 97.5° | 749.7 | 746.0 | 732.6 | 711.9 | 683.8 | 647.3 | 603.4 | 554.6 | 499.8 | 440.1 | 377.9 |
| 100° | 746.0 | 739.9 | 727.7 | 708.2 | 680.2 | 643.6 | 601.0 | 552.2 | 498.6 | 438.8 | 376.7 |
| 102.5° | 739.9 | 735.0 | 721.6 | 702.1 | 674.1 | 638.7 | 597.3 | 548.5 | 494.9 | 436.4 | 375.4 |
| 105° | 731.4 | 726.5 | 715.5 | 694.8 | 668.0 | 632.7 | 591.2 | 543.7 | 491.2 | 434.0 | 373.0 |
| 107.5° | 722.9 | 718.0 | 705.8 | 686.3 | 659.5 | 625.3 | 585.1 | 537.6 | 486.4 | 430.3 | 369.4 |
| 110° | 713.1 | 708.2 | 697.3 | 676.5 | 650.9 | 616.8 | 577.8 | 531.5 | 481.5 | 426.6 | 368.1 |



TEST NUMBER: P368716
 CATALOG NUMBER: 605-37-L4/830

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 702.1 | 696.0 | 683.8 | 665.6 | 640.0 | 607.1 | 569.3 | 525.4 | 475.4 | 421.8 | 365.7 |
| 115° | 688.7 | 682.6 | 672.9 | 654.6 | 629.0 | 597.3 | 558.3 | 516.8 | 468.1 | 416.9 | 362.0 |
| 117.5° | 675.3 | 671.7 | 659.5 | 642.4 | 618.0 | 587.5 | 551.0 | 509.5 | 463.2 | 413.2 | 360.8 |
| 120° | 660.7 | 654.6 | 646.1 | 627.8 | 605.8 | 575.4 | 540.0 | 501.0 | 455.9 | 408.4 | 357.2 |
| 122.5° | 647.3 | 640.0 | 630.2 | 615.6 | 591.2 | 563.2 | 530.3 | 492.5 | 449.8 | 403.5 | 354.7 |
| 125° | 627.8 | 622.9 | 614.4 | 598.5 | 577.8 | 551.0 | 518.1 | 481.5 | 440.1 | 396.2 | 349.8 |
| 127.5° | 609.5 | 604.6 | 596.1 | 581.5 | 560.7 | 536.4 | 504.7 | 469.3 | 431.5 | 388.9 | 345.0 |
| 130° | 593.6 | 586.3 | 579.0 | 564.4 | 546.1 | 521.7 | 491.2 | 458.3 | 421.8 | 382.8 | 341.3 |
| 132.5° | 574.1 | 569.3 | 560.7 | 547.3 | 530.3 | 505.9 | 480.3 | 448.6 | 413.2 | 375.4 | 336.4 |
| 135° | 552.2 | 548.5 | 541.2 | 527.8 | 512.0 | 490.0 | 464.4 | 435.2 | 402.3 | 368.1 | 331.6 |
| 137.5° | 532.7 | 527.8 | 521.7 | 508.3 | 494.9 | 473.0 | 449.8 | 421.8 | 391.3 | 359.6 | 325.5 |
| 140° | 513.2 | 507.1 | 501.0 | 491.2 | 475.4 | 457.1 | 435.2 | 409.6 | 381.5 | 351.1 | 318.2 |
| 142.5° | 490.0 | 486.4 | 481.5 | 470.5 | 457.1 | 441.3 | 419.3 | 396.2 | 370.6 | 342.5 | 312.1 |
| 145° | 470.5 | 464.4 | 459.6 | 449.8 | 437.6 | 421.8 | 404.7 | 381.5 | 358.4 | 332.8 | 306.0 |
| 147.5° | 447.4 | 443.7 | 438.8 | 430.3 | 418.1 | 404.7 | 387.6 | 368.1 | 346.2 | 323.0 | 299.9 |
| 150° | 424.2 | 420.5 | 415.7 | 409.6 | 398.6 | 386.4 | 370.6 | 354.7 | 334.0 | 314.5 | 291.3 |
| 152.5° | 401.0 | 399.8 | 396.2 | 387.6 | 380.3 | 368.1 | 354.7 | 338.9 | 321.8 | 303.5 | 285.2 |
| 155° | 381.5 | 376.7 | 374.2 | 368.1 | 360.8 | 349.8 | 337.7 | 325.5 | 309.6 | 293.8 | 275.5 |
| 157.5° | 357.2 | 354.7 | 351.1 | 346.2 | 340.1 | 330.3 | 321.8 | 308.4 | 296.2 | 280.4 | 263.3 |
| 160° | 334.0 | 331.6 | 329.1 | 326.7 | 321.8 | 313.3 | 303.5 | 292.6 | 277.9 | 262.1 | 247.5 |
| 162.5° | 313.3 | 310.8 | 309.6 | 307.2 | 302.3 | 296.2 | 284.0 | 271.8 | 256.0 | 242.6 | 227.9 |
| 165° | 292.6 | 291.3 | 288.9 | 285.2 | 281.6 | 273.1 | 258.4 | 245.0 | 232.8 | 219.4 | 208.4 |
| 167.5° | 274.3 | 270.6 | 269.4 | 263.3 | 253.5 | 241.4 | 229.2 | 218.2 | 208.4 | 199.9 | 190.2 |
| 170° | 252.3 | 249.9 | 243.8 | 229.2 | 215.8 | 207.2 | 199.9 | 191.4 | 185.3 | 176.8 | 168.2 |
| 172.5° | 221.9 | 212.1 | 199.9 | 187.7 | 179.2 | 176.8 | 169.4 | 164.6 | 157.2 | 149.9 | 141.4 |
| 175° | 129.2 | 129.2 | 134.1 | 135.3 | 137.7 | 134.1 | 132.9 | 129.2 | 125.6 | 121.9 | 120.7 |
| 177.5° | 59.7 | 59.7 | 73.1 | 84.1 | 89.0 | 93.9 | 93.9 | 97.5 | 101.2 | 104.8 | 109.7 |
| 180° | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |



TEST NUMBER: P368716
 CATALOG NUMBER: 605-37-L4/830

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 |
| 2.5° | 198.7 | 197.5 | 196.3 | 193.8 | 192.6 | 191.4 | 190.2 | 188.9 | 186.5 | 185.3 | 184.1 |
| 5° | 207.2 | 204.8 | 201.1 | 197.5 | 193.8 | 190.2 | 187.7 | 184.1 | 180.4 | 176.8 | 173.1 |
| 7.5° | 214.5 | 209.7 | 204.8 | 198.7 | 193.8 | 188.9 | 184.1 | 179.2 | 173.1 | 168.2 | 163.3 |
| 10° | 221.9 | 215.8 | 208.4 | 201.1 | 192.6 | 186.5 | 180.4 | 173.1 | 165.8 | 158.5 | 152.4 |
| 12.5° | 229.2 | 220.6 | 210.9 | 202.4 | 192.6 | 184.1 | 175.5 | 165.8 | 157.2 | 148.7 | 141.4 |
| 15° | 234.0 | 224.3 | 213.3 | 201.1 | 190.2 | 179.2 | 169.4 | 158.5 | 148.7 | 137.7 | 129.2 |
| 17.5° | 240.1 | 227.9 | 214.5 | 201.1 | 187.7 | 174.3 | 163.3 | 149.9 | 139.0 | 126.8 | 117.0 |
| 20° | 246.2 | 230.4 | 215.8 | 199.9 | 184.1 | 169.4 | 154.8 | 141.4 | 128.0 | 115.8 | 103.6 |
| 22.5° | 251.1 | 234.0 | 215.8 | 197.5 | 179.2 | 163.3 | 147.5 | 131.6 | 117.0 | 103.6 | 90.2 |
| 25° | 256.0 | 236.5 | 215.8 | 195.0 | 175.5 | 156.0 | 139.0 | 121.9 | 106.1 | 90.2 | 76.8 |
| 27.5° | 260.9 | 238.9 | 215.8 | 192.6 | 170.7 | 149.9 | 130.4 | 112.1 | 93.9 | 78.0 | 63.4 |
| 30° | 264.5 | 240.1 | 214.5 | 188.9 | 165.8 | 142.6 | 120.7 | 101.2 | 82.9 | 64.6 | 48.8 |
| 32.5° | 268.2 | 241.4 | 214.5 | 185.3 | 159.7 | 135.3 | 112.1 | 90.2 | 70.7 | 52.4 | 35.4 |
| 35° | 271.8 | 242.6 | 212.1 | 181.6 | 153.6 | 126.8 | 101.2 | 79.2 | 57.3 | 39.0 | 23.2 |
| 37.5° | 274.3 | 242.6 | 209.7 | 176.8 | 146.3 | 117.0 | 91.4 | 67.0 | 45.1 | 25.6 | 8.5 |
| 40° | 277.9 | 242.6 | 207.2 | 171.9 | 139.0 | 108.5 | 80.5 | 54.9 | 32.9 | 12.2 | 0.0 |
| 42.5° | 280.4 | 242.6 | 204.8 | 168.2 | 132.9 | 100.0 | 69.5 | 43.9 | 19.5 | 0.0 | 0.0 |
| 45° | 284.0 | 242.6 | 202.4 | 162.1 | 125.6 | 90.2 | 59.7 | 31.7 | 7.3 | 0.0 | 0.0 |
| 47.5° | 287.7 | 243.8 | 199.9 | 158.5 | 118.2 | 81.7 | 48.8 | 19.5 | 0.0 | 0.0 | 0.0 |
| 50° | 288.9 | 242.6 | 197.5 | 152.4 | 109.7 | 71.9 | 37.8 | 7.3 | 0.0 | 0.0 | 0.0 |
| 52.5° | 291.3 | 242.6 | 193.8 | 147.5 | 102.4 | 62.2 | 25.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 292.6 | 241.4 | 191.4 | 141.4 | 93.9 | 52.4 | 14.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 295.0 | 241.4 | 187.7 | 136.5 | 86.5 | 42.7 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 296.2 | 240.1 | 184.1 | 129.2 | 78.0 | 31.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 297.4 | 238.9 | 181.6 | 124.3 | 70.7 | 21.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 299.9 | 238.9 | 179.2 | 119.5 | 63.4 | 13.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 301.1 | 238.9 | 176.8 | 114.6 | 56.1 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 302.3 | 237.7 | 173.1 | 109.7 | 50.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 303.5 | 236.5 | 170.7 | 106.1 | 43.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 304.7 | 237.7 | 169.4 | 102.4 | 37.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 306.0 | 236.5 | 168.2 | 100.0 | 34.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 307.2 | 237.7 | 168.2 | 97.5 | 30.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 308.4 | 238.9 | 168.2 | 97.5 | 29.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 308.4 | 237.7 | 168.2 | 96.3 | 28.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 309.6 | 238.9 | 168.2 | 96.3 | 28.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 310.8 | 240.1 | 169.4 | 97.5 | 29.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 310.8 | 240.1 | 169.4 | 98.7 | 30.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 310.8 | 240.1 | 169.4 | 98.7 | 30.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 309.6 | 240.1 | 170.7 | 100.0 | 32.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 309.6 | 241.4 | 171.9 | 102.4 | 36.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 309.6 | 242.6 | 174.3 | 107.3 | 42.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 308.4 | 242.6 | 176.8 | 110.9 | 47.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 307.2 | 242.6 | 179.2 | 114.6 | 54.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 307.2 | 245.0 | 181.6 | 120.7 | 62.2 | 8.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P368716
 CATALOG NUMBER: 605-37-L4/830

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 306.0 | 245.0 | 185.3 | 125.6 | 69.5 | 18.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 306.0 | 246.2 | 187.7 | 131.6 | 78.0 | 28.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 306.0 | 249.9 | 192.6 | 139.0 | 86.5 | 40.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 304.7 | 249.9 | 196.3 | 143.8 | 95.1 | 50.0 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 304.7 | 252.3 | 201.1 | 151.2 | 103.6 | 60.9 | 21.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 302.3 | 252.3 | 203.6 | 156.0 | 110.9 | 69.5 | 32.9 | 2.4 | 0.0 | 0.0 | 0.0 |
| 127.5° | 299.9 | 253.5 | 207.2 | 162.1 | 119.5 | 79.2 | 43.9 | 14.6 | 0.0 | 0.0 | 0.0 |
| 130° | 297.4 | 253.5 | 209.7 | 167.0 | 126.8 | 89.0 | 54.9 | 25.6 | 1.2 | 0.0 | 0.0 |
| 132.5° | 296.2 | 254.8 | 213.3 | 173.1 | 135.3 | 98.7 | 67.0 | 39.0 | 13.4 | 0.0 | 0.0 |
| 135° | 292.6 | 254.8 | 215.8 | 178.0 | 141.4 | 107.3 | 76.8 | 50.0 | 25.6 | 4.9 | 0.0 |
| 137.5° | 288.9 | 253.5 | 217.0 | 181.6 | 147.5 | 115.8 | 86.5 | 60.9 | 36.6 | 17.1 | 0.0 |
| 140° | 286.5 | 253.5 | 219.4 | 186.5 | 154.8 | 124.3 | 97.5 | 71.9 | 48.8 | 29.3 | 13.4 |
| 142.5° | 282.8 | 252.3 | 220.6 | 190.2 | 160.9 | 132.9 | 106.1 | 82.9 | 60.9 | 41.4 | 25.6 |
| 145° | 277.9 | 249.9 | 221.9 | 193.8 | 165.8 | 140.2 | 115.8 | 92.6 | 70.7 | 51.2 | 35.4 |
| 147.5° | 274.3 | 249.9 | 221.9 | 197.5 | 171.9 | 147.5 | 124.3 | 101.2 | 79.2 | 60.9 | 46.3 |
| 150° | 269.4 | 246.2 | 223.1 | 198.7 | 175.5 | 153.6 | 130.4 | 107.3 | 85.3 | 68.3 | 53.6 |
| 152.5° | 264.5 | 242.6 | 220.6 | 199.9 | 178.0 | 157.2 | 135.3 | 110.9 | 89.0 | 73.1 | 60.9 |
| 155° | 257.2 | 236.5 | 217.0 | 196.3 | 178.0 | 157.2 | 135.3 | 112.1 | 92.6 | 76.8 | 67.0 |
| 157.5° | 246.2 | 226.7 | 209.7 | 191.4 | 173.1 | 152.4 | 131.6 | 112.1 | 95.1 | 80.5 | 71.9 |
| 160° | 230.4 | 214.5 | 198.7 | 181.6 | 162.1 | 142.6 | 125.6 | 109.7 | 95.1 | 81.7 | 73.1 |
| 162.5° | 215.8 | 201.1 | 185.3 | 169.4 | 149.9 | 131.6 | 118.2 | 107.3 | 95.1 | 84.1 | 74.4 |
| 165° | 198.7 | 184.1 | 167.0 | 152.4 | 136.5 | 121.9 | 112.1 | 103.6 | 95.1 | 85.3 | 78.0 |
| 167.5° | 179.2 | 163.3 | 151.2 | 139.0 | 125.6 | 117.0 | 109.7 | 103.6 | 96.3 | 89.0 | 84.1 |
| 170° | 156.0 | 145.1 | 135.3 | 126.8 | 121.9 | 115.8 | 110.9 | 107.3 | 101.2 | 95.1 | 90.2 |
| 172.5° | 134.1 | 130.4 | 125.6 | 123.1 | 120.7 | 118.2 | 114.6 | 112.1 | 108.5 | 103.6 | 98.7 |
| 175° | 120.7 | 120.7 | 120.7 | 121.9 | 120.7 | 119.5 | 118.2 | 117.0 | 113.4 | 109.7 | 107.3 |
| 177.5° | 113.4 | 115.8 | 119.5 | 120.7 | 120.7 | 120.7 | 120.7 | 119.5 | 118.2 | 115.8 | 113.4 |
| 180° | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |



TEST NUMBER: P368716
 CATALOG NUMBER: 605-37-L4/830

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 | 191.4 |
| 2.5° | 181.6 | 180.4 | 179.2 | 178.0 | 175.5 | 174.3 | 171.9 | 170.7 | 169.4 | 169.4 | 168.2 |
| 5° | 170.7 | 167.0 | 164.6 | 162.1 | 158.5 | 156.0 | 153.6 | 151.2 | 148.7 | 146.3 | 145.1 |
| 7.5° | 158.5 | 154.8 | 149.9 | 146.3 | 141.4 | 137.7 | 134.1 | 130.4 | 128.0 | 125.6 | 124.3 |
| 10° | 146.3 | 140.2 | 135.3 | 130.4 | 124.3 | 119.5 | 115.8 | 112.1 | 108.5 | 106.1 | 103.6 |
| 12.5° | 134.1 | 126.8 | 120.7 | 113.4 | 107.3 | 103.6 | 97.5 | 93.9 | 90.2 | 86.5 | 84.1 |
| 15° | 120.7 | 112.1 | 106.1 | 97.5 | 91.4 | 84.1 | 80.5 | 75.6 | 70.7 | 67.0 | 64.6 |
| 17.5° | 107.3 | 97.5 | 90.2 | 81.7 | 74.4 | 68.3 | 62.2 | 57.3 | 52.4 | 48.8 | 46.3 |
| 20° | 92.6 | 82.9 | 73.1 | 64.6 | 57.3 | 50.0 | 43.9 | 39.0 | 34.1 | 30.5 | 28.0 |
| 22.5° | 78.0 | 68.3 | 58.5 | 48.8 | 41.4 | 34.1 | 28.0 | 21.9 | 18.3 | 13.4 | 11.0 |
| 25° | 64.6 | 52.4 | 42.7 | 32.9 | 25.6 | 18.3 | 11.0 | 6.1 | 1.2 | 0.0 | 0.0 |
| 27.5° | 50.0 | 37.8 | 28.0 | 18.3 | 9.8 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 35.4 | 23.2 | 12.2 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 21.9 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 7.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 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 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P368716
 CATALOG NUMBER: 605-37-L4/830

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 11.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 23.2 | 9.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 32.9 | 20.7 | 9.8 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 41.4 | 31.7 | 21.9 | 12.2 | 3.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 48.8 | 40.2 | 31.7 | 24.4 | 17.1 | 9.8 | 3.7 | 1.2 | 0.0 | 0.0 | 0.0 |
| 155° | 57.3 | 47.5 | 41.4 | 34.1 | 26.8 | 21.9 | 17.1 | 12.2 | 8.5 | 4.9 | 2.4 |
| 157.5° | 64.6 | 56.1 | 48.8 | 42.7 | 37.8 | 32.9 | 28.0 | 25.6 | 21.9 | 18.3 | 15.8 |
| 160° | 68.3 | 64.6 | 56.1 | 50.0 | 45.1 | 41.4 | 37.8 | 35.4 | 34.1 | 32.9 | 30.5 |
| 162.5° | 69.5 | 67.0 | 63.4 | 57.3 | 52.4 | 48.8 | 46.3 | 45.1 | 43.9 | 43.9 | 45.1 |
| 165° | 71.9 | 68.3 | 67.0 | 64.6 | 59.7 | 56.1 | 52.4 | 51.2 | 51.2 | 51.2 | 54.9 |
| 167.5° | 79.2 | 73.1 | 69.5 | 67.0 | 65.8 | 64.6 | 60.9 | 57.3 | 54.9 | 54.9 | 57.3 |
| 170° | 86.5 | 81.7 | 75.6 | 73.1 | 70.7 | 68.3 | 67.0 | 65.8 | 63.4 | 60.9 | 58.5 |
| 172.5° | 95.1 | 91.4 | 85.3 | 80.5 | 75.6 | 71.9 | 69.5 | 69.5 | 68.3 | 65.8 | 64.6 |
| 175° | 103.6 | 100.0 | 95.1 | 90.2 | 85.3 | 78.0 | 73.1 | 67.0 | 63.4 | 59.7 | 56.1 |
| 177.5° | 110.9 | 108.5 | 104.8 | 100.0 | 95.1 | 89.0 | 81.7 | 74.4 | 65.8 | 54.9 | 42.7 |
| 180° | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |



TEST NUMBER: P368716
 CATALOG NUMBER: 605-37-L4/830

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|--------|-------|-------|-------|-------|
| 0° | 191.4 | 191.4 | 191.4 | 191.4 |
| 2.5° | 167.0 | 167.0 | 167.0 | 165.8 |
| 5° | 143.8 | 143.8 | 142.6 | 143.8 |
| 7.5° | 123.1 | 121.9 | 120.7 | 121.9 |
| 10° | 101.2 | 100.0 | 100.0 | 98.7 |
| 12.5° | 81.7 | 79.2 | 79.2 | 79.2 |
| 15° | 62.2 | 59.7 | 59.7 | 59.7 |
| 17.5° | 43.9 | 42.7 | 41.4 | 40.2 |
| 20° | 25.6 | 24.4 | 23.2 | 21.9 |
| 22.5° | 8.5 | 7.3 | 4.9 | 4.9 |
| 25° | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P368716
CATALOG NUMBER: 605-37-L4/830

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|--------|------|------|------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 115° | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 120° | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 125° | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 130° | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 135° | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 1.2 | 0.0 | 0.0 | 0.0 |
| 157.5° | 13.4 | 12.2 | 11.0 | 11.0 |
| 160° | 28.0 | 25.6 | 24.4 | 23.2 |
| 162.5° | 42.7 | 41.4 | 39.0 | 39.0 |
| 165° | 57.3 | 56.1 | 56.1 | 54.9 |
| 167.5° | 60.9 | 68.3 | 70.7 | 70.7 |
| 170° | 58.5 | 63.4 | 73.1 | 84.1 |
| 172.5° | 62.2 | 58.5 | 50.0 | 42.7 |
| 175° | 48.8 | 36.6 | 24.4 | 19.5 |
| 177.5° | 31.7 | 29.3 | 28.0 | 26.8 |
| 180° | 89.0 | 89.0 | 89.0 | 89.0 |

(END OF REPORT)