

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: P123878

Luminaire Tested: **ELG406927TBZ (50° BEAM - 35° TILT)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P123878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14002)
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: ELG406927TBZ (50° BEAM - 35° TILT)
Description: HALO 4 INCH RECESSED FIXTURE WITH ROUND TUSCAN BRONZE TRIM,
Light Source: (1)SURFACE MOUNT LED, 2700K CCT, 90CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 620.0 lumens
Efficiency: N/A
Efficacy: 47.7 lumens/watt
Spacing Criteria (0/90/45): 2.87 / 0.65 / 1.64
Luminous Opening: Vertical Cylinder (Dia: 0.17' x H: 0.08')
CIE Type: Direct

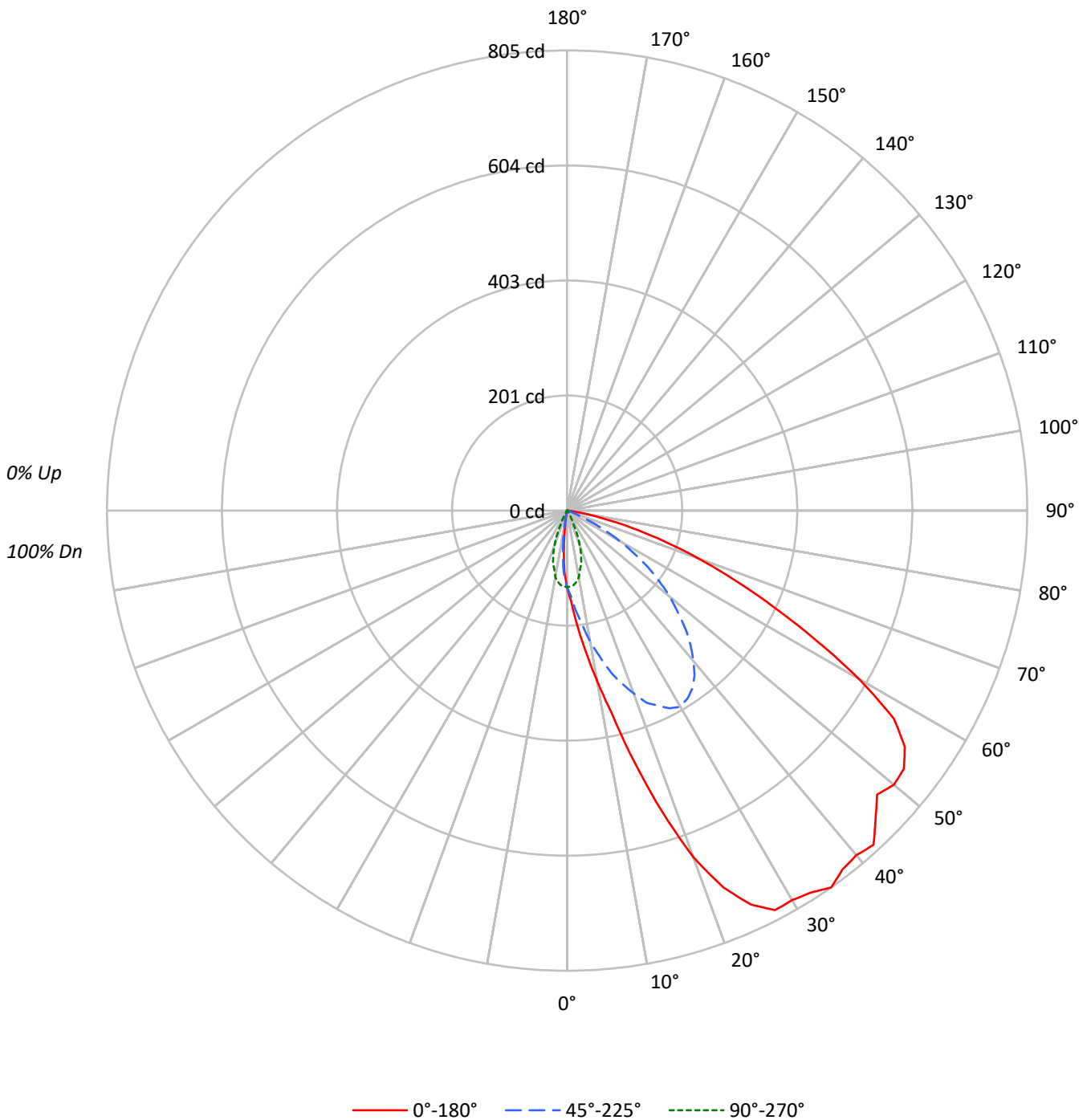
Input Watts (W): 13
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P123878

CATALOG NUMBER: ELG406927TBZ (50° BEAM - 35° TILT)

Luminous Intensity Polar Plot





TEST NUMBER: P123878

CATALOG NUMBER: ELG406927TBZ (50° BEAM - 35° TILT)

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 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 110 | 106 | 102 | 98 | 107 | 103 | 100 | 97 | 99 | 96 | 94 | 95 | 93 | 91 | 92 | 90 | 88 | 86 |
| 2 | 100 | 93 | 86 | 81 | 98 | 91 | 85 | 80 | 87 | 82 | 78 | 84 | 80 | 76 | 81 | 78 | 75 | 73 |
| 3 | 92 | 81 | 74 | 67 | 89 | 80 | 73 | 67 | 77 | 71 | 66 | 74 | 69 | 64 | 72 | 67 | 63 | 61 |
| 4 | 84 | 72 | 63 | 57 | 81 | 71 | 63 | 56 | 68 | 61 | 56 | 66 | 60 | 55 | 64 | 58 | 54 | 52 |
| 5 | 77 | 64 | 55 | 48 | 75 | 63 | 54 | 48 | 61 | 53 | 48 | 59 | 52 | 47 | 57 | 51 | 47 | 45 |
| 6 | 70 | 57 | 48 | 42 | 69 | 56 | 48 | 42 | 54 | 47 | 41 | 53 | 46 | 41 | 51 | 45 | 41 | 38 |
| 7 | 65 | 51 | 43 | 36 | 63 | 51 | 42 | 36 | 49 | 42 | 36 | 48 | 41 | 36 | 46 | 40 | 36 | 34 |
| 8 | 60 | 47 | 38 | 32 | 59 | 46 | 38 | 32 | 45 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 31 | 29 |
| 9 | 56 | 42 | 34 | 28 | 55 | 42 | 34 | 28 | 41 | 33 | 28 | 40 | 33 | 28 | 38 | 32 | 28 | 26 |
| 10 | 52 | 39 | 31 | 25 | 51 | 38 | 31 | 25 | 37 | 30 | 25 | 36 | 30 | 25 | 35 | 29 | 25 | 23 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|-------|-------|
| 0° | 66310 | 66310 | 66310 |
| 5° | 93968 | 61410 | 30494 |
| 10° | 136345 | 53331 | 4009 |
| 15° | 198889 | 41584 | 1178 |
| 20° | 275116 | 27324 | 0 |
| 25° | 319152 | 11586 | 0 |
| 30° | 327855 | 3333 | 0 |
| 35° | 335280 | 1500 | 0 |
| 40° | 330388 | 0 | 0 |
| 45° | 325250 | 0 | 0 |
| 50° | 325584 | 0 | 0 |
| 55° | 324891 | 0 | 0 |
| 60° | 276977 | 0 | 0 |
| 65° | 196002 | 0 | 0 |
| 70° | 127511 | 0 | 0 |
| 75° | 65841 | 0 | 0 |
| 80° | 18118 | 0 | 0 |
| 85° | 3625 | 0 | 0 |



TEST NUMBER: P123878

CATALOG NUMBER: ELG406927TBZ (50° BEAM - 35° TILT)

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 12.5 | 2.0 |
| 10°-20° | 44.6 | 7.2 |
| 20°-30° | 94.4 | 15.2 |
| 30°-40° | 130.4 | 21.0 |
| 40°-50° | 137.7 | 22.2 |
| 50°-60° | 116.2 | 18.7 |
| 60°-70° | 63.5 | 10.2 |
| 70°-80° | 19.0 | 3.1 |
| 80°-90° | 1.6 | 0.3 |
| 90°-100° | 0.1 | 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°-30° | 151.5 | 24.4 |
| 0°-40° | 282.0 | 45.5 |
| 0°-60° | 535.8 | 86.4 |
| 0°-90° | 619.9 | 100.0 |
| 90°-120° | 0.1 | 0.0 |
| 90°-150° | 0.1 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 620.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|-----|-----|-----|------|------|------|
| 0° | 134 | 134 | 134 | 134 | 134 | |
| 5° | 200 | 175 | 131 | 84 | 65 | 22 |
| 15° | 456 | 292 | 95 | 5 | 3 | 136 |
| 25° | 760 | 377 | 28 | 0 | 0 | 347 |
| 35° | 805 | 381 | 4 | 0 | 0 | 499 |
| 45° | 763 | 293 | 0 | 0 | 0 | 591 |
| 55° | 721 | 173 | 0 | 0 | 0 | 629 |
| 65° | 397 | 44 | 0 | 0 | 0 | 400 |
| 75° | 117 | 5 | 0 | 0 | 0 | 130 |
| 85° | 5 | 2 | 0 | 0 | 0 | 9 |
| 90° | 4 | 1 | 0 | 0 | 0 | 2 |
| 95° | 0 | 0 | 0 | 0 | 0 | 0 |
| 105° | 0 | 0 | 0 | 0 | 0 | 0 |
| 115° | 0 | 0 | 0 | 0 | 0 | 0 |
| 125° | 0 | 0 | 0 | 0 | 0 | 0 |
| 135° | 0 | 0 | 0 | 0 | 0 | 0 |
| 145° | 0 | 0 | 0 | 0 | 0 | 0 |
| 155° | 0 | 0 | 0 | 0 | 0 | 0 |
| 165° | 0 | 0 | 0 | 0 | 0 | 0 |
| 175° | 0 | 0 | 0 | 0 | 0 | 0 |
| 180° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P123878

CATALOG NUMBER: ELG406927TBZ (50° BEAM - 35° TILT)

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 |
| 2.5° | 158.5 | 156.7 | 154.9 | 155.8 | 154.0 | 154.0 | 153.1 | 151.3 | 151.3 | 149.6 | 148.7 |
| 5° | 200.3 | 195.0 | 195.0 | 192.3 | 190.5 | 187.8 | 186.1 | 182.5 | 179.8 | 175.4 | 172.7 |
| 7.5° | 247.5 | 245.7 | 243.0 | 243.0 | 235.9 | 229.7 | 224.3 | 217.2 | 209.2 | 201.2 | 193.2 |
| 10° | 302.7 | 302.7 | 298.2 | 293.8 | 286.7 | 279.5 | 270.6 | 258.2 | 246.6 | 233.2 | 219.0 |
| 12.5° | 365.0 | 361.4 | 355.2 | 347.2 | 337.4 | 324.1 | 309.8 | 294.7 | 276.9 | 260.8 | 240.4 |
| 15° | 455.8 | 448.7 | 439.8 | 426.4 | 407.7 | 384.6 | 362.3 | 338.3 | 315.2 | 292.0 | 267.1 |
| 17.5° | 552.0 | 547.5 | 534.2 | 514.6 | 488.8 | 456.7 | 422.9 | 383.7 | 349.9 | 316.9 | 287.6 |
| 20° | 645.4 | 639.2 | 625.0 | 603.6 | 568.0 | 527.9 | 483.4 | 432.7 | 383.7 | 340.1 | 302.7 |
| 22.5° | 713.1 | 708.6 | 694.4 | 676.6 | 643.7 | 599.1 | 543.1 | 481.6 | 422.0 | 364.1 | 316.9 |
| 25° | 760.3 | 753.2 | 741.6 | 719.3 | 691.7 | 649.9 | 588.5 | 520.8 | 444.2 | 376.6 | 320.5 |
| 27.5° | 787.9 | 784.3 | 778.1 | 762.1 | 734.5 | 691.7 | 633.0 | 552.8 | 469.2 | 389.9 | 326.7 |
| 30° | 787.0 | 787.0 | 787.9 | 787.0 | 769.2 | 722.9 | 664.1 | 576.0 | 484.3 | 396.2 | 327.6 |
| 32.5° | 792.3 | 789.7 | 785.2 | 789.7 | 783.4 | 739.8 | 678.4 | 587.6 | 485.2 | 390.8 | 317.8 |
| 35° | 804.8 | 799.4 | 791.4 | 788.8 | 788.8 | 747.8 | 686.4 | 590.2 | 480.7 | 381.0 | 307.1 |
| 37.5° | 791.4 | 796.8 | 792.3 | 781.6 | 783.4 | 744.3 | 682.8 | 581.3 | 463.8 | 365.9 | 291.1 |
| 40° | 787.0 | 789.7 | 780.8 | 771.9 | 771.9 | 733.6 | 669.5 | 556.4 | 438.0 | 343.6 | 269.7 |
| 42.5° | 793.2 | 781.6 | 766.5 | 768.3 | 761.2 | 720.2 | 647.2 | 526.1 | 407.7 | 319.6 | 249.3 |
| 45° | 762.9 | 753.2 | 754.0 | 764.7 | 746.0 | 698.9 | 607.2 | 484.3 | 374.8 | 292.9 | 225.2 |
| 47.5° | 735.4 | 740.7 | 743.4 | 740.7 | 713.1 | 660.6 | 552.8 | 436.2 | 334.7 | 261.7 | 195.9 |
| 50° | 746.0 | 742.5 | 738.9 | 722.0 | 689.9 | 613.4 | 500.3 | 389.0 | 302.7 | 234.1 | 174.5 |
| 52.5° | 742.5 | 738.9 | 722.9 | 696.2 | 643.7 | 552.0 | 437.1 | 341.0 | 270.6 | 203.0 | 143.3 |
| 55° | 721.1 | 714.0 | 692.6 | 651.7 | 575.1 | 478.1 | 377.5 | 296.5 | 231.5 | 172.7 | 113.1 |
| 57.5° | 677.5 | 664.1 | 631.2 | 570.7 | 492.3 | 400.6 | 321.4 | 255.5 | 195.0 | 138.0 | 82.8 |
| 60° | 590.2 | 576.9 | 541.3 | 481.6 | 408.6 | 336.5 | 274.2 | 215.4 | 160.2 | 105.1 | 54.3 |
| 62.5° | 490.5 | 478.1 | 442.5 | 392.6 | 336.5 | 283.1 | 228.8 | 176.3 | 122.9 | 73.0 | 30.3 |
| 65° | 397.1 | 385.5 | 358.8 | 321.4 | 280.4 | 235.0 | 187.0 | 138.0 | 88.1 | 44.5 | 12.5 |
| 67.5° | 316.0 | 308.0 | 291.1 | 263.5 | 228.8 | 187.8 | 144.2 | 97.0 | 55.2 | 21.4 | 6.2 |
| 70° | 243.0 | 239.5 | 227.9 | 208.3 | 178.1 | 141.6 | 101.5 | 63.2 | 27.6 | 8.0 | 4.5 |
| 72.5° | 175.4 | 173.6 | 167.4 | 154.0 | 130.0 | 97.9 | 65.0 | 33.8 | 10.7 | 5.3 | 4.5 |
| 75° | 116.6 | 115.7 | 112.2 | 100.6 | 82.8 | 61.4 | 35.6 | 11.6 | 3.6 | 5.3 | 4.5 |
| 77.5° | 67.7 | 65.9 | 65.9 | 59.6 | 47.2 | 32.0 | 11.6 | 6.2 | 4.5 | 2.7 | 2.7 |
| 80° | 29.4 | 29.4 | 29.4 | 26.7 | 18.7 | 9.8 | 5.3 | 1.8 | 0.9 | 0.9 | 0.9 |
| 82.5° | 9.8 | 8.9 | 8.9 | 8.9 | 7.1 | 5.3 | 4.5 | 2.7 | 2.7 | 1.8 | 0.9 |
| 85° | 5.3 | 5.3 | 5.3 | 5.3 | 4.5 | 3.6 | 3.6 | 2.7 | 1.8 | 1.8 | 0.9 |
| 87.5° | 4.5 | 2.7 | 3.6 | 2.7 | 2.7 | 1.8 | 2.7 | 1.8 | 0.9 | 1.8 | 0.9 |
| 90° | 3.6 | 1.8 | 1.8 | 2.7 | 1.8 | 1.8 | 0.9 | 1.8 | 0.0 | 0.9 | 0.9 |
| 92.5° | 0.9 | 0.9 | 0.9 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.9 | 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: P123878

CATALOG NUMBER: ELG406927TBZ (50° BEAM - 35° TILT)

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P123878

CATALOG NUMBER: ELG406927TBZ (50° BEAM - 35° TILT)

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 |
| 2.5° | 146.0 | 146.0 | 143.3 | 140.7 | 138.9 | 137.1 | 134.4 | 132.6 | 130.9 | 129.1 | 127.3 |
| 5° | 167.4 | 162.9 | 158.5 | 152.2 | 147.8 | 142.4 | 138.9 | 130.9 | 124.6 | 119.3 | 114.8 |
| 7.5° | 189.6 | 178.1 | 169.1 | 161.1 | 153.1 | 145.1 | 136.2 | 125.5 | 115.7 | 105.9 | 97.0 |
| 10° | 207.4 | 193.2 | 180.7 | 167.4 | 157.6 | 145.1 | 132.6 | 118.4 | 105.1 | 91.7 | 80.1 |
| 12.5° | 220.8 | 203.0 | 185.2 | 170.0 | 153.1 | 138.9 | 122.0 | 104.2 | 86.4 | 72.1 | 57.0 |
| 15° | 242.1 | 218.1 | 196.7 | 173.6 | 156.7 | 138.0 | 116.6 | 95.3 | 74.8 | 56.1 | 40.1 |
| 17.5° | 256.4 | 229.7 | 199.4 | 174.5 | 153.1 | 130.0 | 105.9 | 81.0 | 57.9 | 40.1 | 23.1 |
| 20° | 268.0 | 232.4 | 200.3 | 170.9 | 147.8 | 122.0 | 91.7 | 64.1 | 41.0 | 23.1 | 10.7 |
| 22.5° | 276.0 | 235.0 | 199.4 | 167.4 | 138.9 | 107.7 | 76.6 | 49.0 | 24.9 | 11.6 | 8.9 |
| 25° | 273.3 | 229.7 | 189.6 | 154.9 | 123.7 | 88.1 | 57.0 | 27.6 | 8.0 | 2.7 | 0.9 |
| 27.5° | 274.2 | 226.1 | 185.2 | 148.7 | 113.1 | 74.8 | 41.8 | 16.9 | 6.2 | 2.7 | 3.6 |
| 30° | 272.4 | 220.8 | 176.3 | 136.2 | 96.1 | 59.6 | 27.6 | 8.0 | 4.5 | 6.2 | 2.7 |
| 32.5° | 260.0 | 207.4 | 162.0 | 120.2 | 77.5 | 39.2 | 11.6 | 3.6 | 2.7 | 0.9 | 0.9 |
| 35° | 247.5 | 194.1 | 148.7 | 102.4 | 59.6 | 24.0 | 7.1 | 3.6 | 0.9 | 2.7 | 0.9 |
| 37.5° | 229.7 | 177.2 | 130.0 | 81.9 | 41.0 | 10.7 | 3.6 | 1.8 | 1.8 | 0.9 | 0.0 |
| 40° | 209.2 | 156.7 | 106.8 | 60.5 | 22.3 | 3.6 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 190.5 | 136.2 | 86.4 | 41.0 | 9.8 | 2.7 | 1.8 | 0.9 | 0.9 | 0.0 | 0.0 |
| 45° | 167.4 | 112.2 | 63.2 | 22.3 | 5.3 | 1.8 | 0.9 | 0.0 | 0.0 | 0.0 | 1.8 |
| 47.5° | 139.8 | 85.5 | 39.2 | 7.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 116.6 | 64.1 | 22.3 | 4.5 | 2.7 | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 87.2 | 39.2 | 8.0 | 3.6 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 61.4 | 20.5 | 5.3 | 1.8 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 36.5 | 8.0 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 16.9 | 4.5 | 1.8 | 1.8 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 7.1 | 3.6 | 1.8 | 1.8 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 5.3 | 2.7 | 1.8 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| 67.5° | 3.6 | 2.7 | 1.8 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 1.8 | 1.8 | 0.9 | 0.9 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 2.7 | 2.7 | 1.8 | 0.9 | 0.0 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 1.8 | 0.9 | 1.8 | 0.0 | 0.9 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 1.8 | 0.9 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 1.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 1.8 | 0.9 | 1.8 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 |
| 90° | 0.0 | 0.9 | 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° | 0.9 | 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 | 0.9 |
| 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: P123878

CATALOG NUMBER: ELG406927TBZ (50° BEAM - 35° TILT)

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 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° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P123878

CATALOG NUMBER: ELG406927TBZ (50° BEAM - 35° TILT)

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 | 134.4 |
| 2.5° | 124.6 | 122.0 | 122.0 | 119.3 | 117.5 | 116.6 | 115.7 | 112.2 | 111.3 | 110.4 | 110.4 |
| 5° | 108.6 | 103.3 | 97.0 | 92.6 | 88.1 | 83.7 | 80.1 | 78.3 | 73.0 | 69.4 | 67.7 |
| 7.5° | 88.1 | 79.2 | 71.2 | 64.1 | 55.2 | 51.6 | 43.6 | 40.1 | 35.6 | 32.9 | 29.4 |
| 10° | 66.8 | 57.0 | 46.3 | 36.5 | 29.4 | 24.0 | 18.7 | 15.1 | 13.4 | 11.6 | 9.8 |
| 12.5° | 41.8 | 28.5 | 21.4 | 14.2 | 7.1 | 5.3 | 5.3 | 2.7 | 1.8 | 1.8 | 0.9 |
| 15° | 26.7 | 15.1 | 9.8 | 7.1 | 7.1 | 5.3 | 4.5 | 3.6 | 3.6 | 2.7 | 2.7 |
| 17.5° | 12.5 | 8.0 | 6.2 | 3.6 | 3.6 | 3.6 | 2.7 | 3.6 | 5.3 | 2.7 | 1.8 |
| 20° | 5.3 | 4.5 | 3.6 | 2.7 | 1.8 | 3.6 | 1.8 | 0.9 | 0.9 | 0.9 | 0.9 |
| 22.5° | 5.3 | 4.5 | 3.6 | 4.5 | 7.1 | 0.9 | 2.7 | 0.9 | 0.9 | 0.0 | 0.9 |
| 25° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.5° | 0.9 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 1.8 | 1.8 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 2.7 | 1.8 | 0.0 |
| 32.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 5.3 | 0.0 | 0.9 | 1.8 | 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° | 0.9 | 0.0 | 0.0 | 0.0 | 0.9 | 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 | 0.9 | 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: P123878

CATALOG NUMBER: ELG406927TBZ (50° BEAM - 35° TILT)

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° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



TEST NUMBER: P123878

CATALOG NUMBER: ELG406927TBZ (50° BEAM - 35° TILT)

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|--------|-------|-------|-------|-------|
| 0° | 134.4 | 134.4 | 134.4 | 134.4 |
| 2.5° | 109.5 | 108.6 | 109.5 | 107.7 |
| 5° | 68.5 | 65.0 | 65.0 | 65.0 |
| 7.5° | 28.5 | 26.7 | 25.8 | 26.7 |
| 10° | 9.8 | 8.9 | 8.9 | 8.9 |
| 12.5° | 1.8 | 0.9 | 0.9 | 0.9 |
| 15° | 2.7 | 2.7 | 2.7 | 2.7 |
| 17.5° | 1.8 | 0.9 | 1.8 | 0.9 |
| 20° | 0.0 | 0.0 | 0.0 | 0.0 |
| 22.5° | 0.9 | 0.9 | 0.0 | 0.0 |
| 25° | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 0.9 | 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: P123878

CATALOG NUMBER: ELG406927TBZ (50° BEAM - 35° TILT)

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° | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)