

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: P123888

Luminaire Tested: **ELG406935WH (50° BEAM - 35° TILT)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P123888
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: ELG406935WH (50° BEAM - 35° TILT)
Description: HALO 4 INCH RECESSED FIXTURE WITH ROUND WHITE TRIM,
Light Source: (1)SURFACE MOUNT LED, 3500K CCT, 90CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 800.0 lumens
Efficiency: N/A
Efficacy: 61.5 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

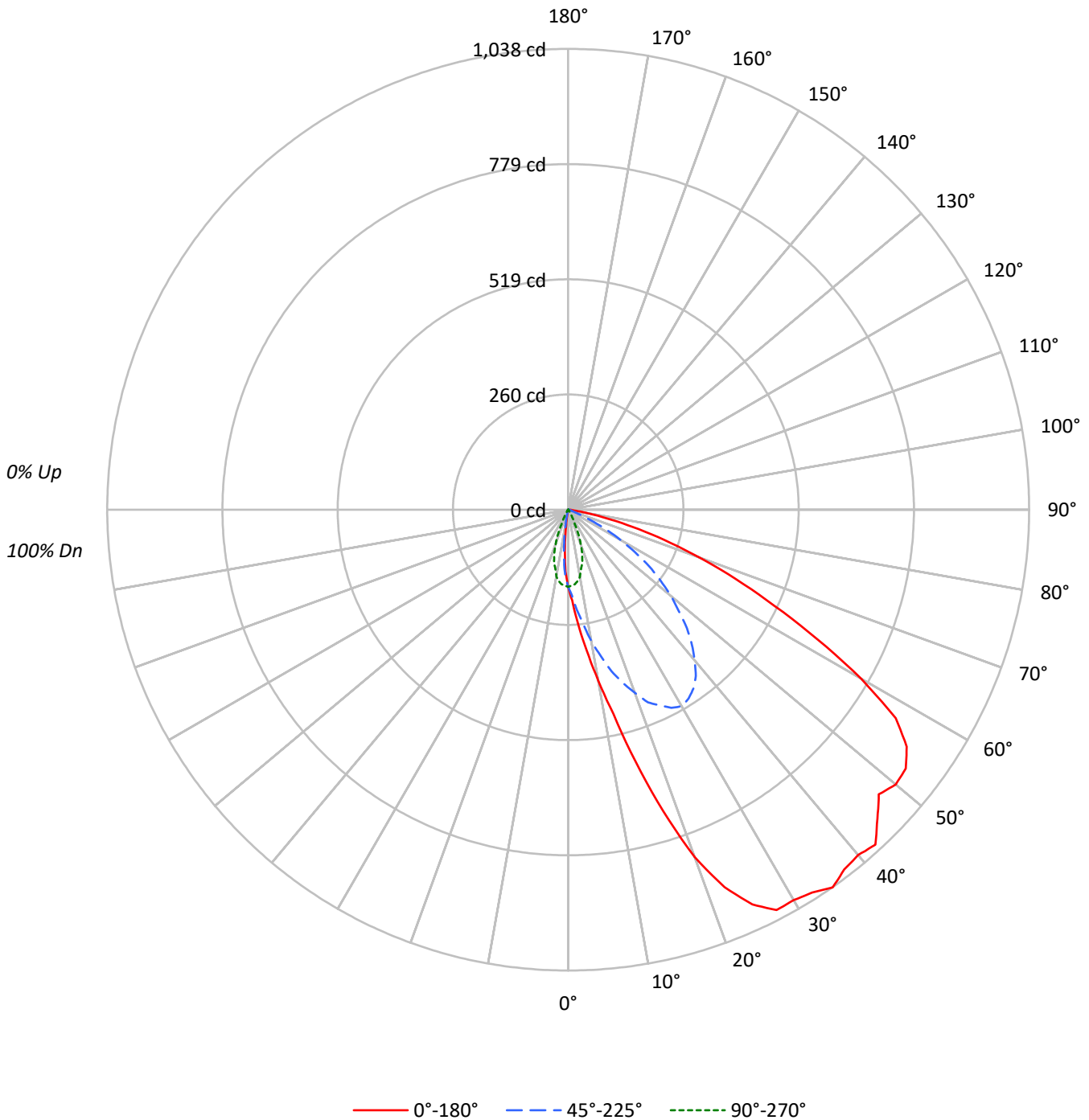
Input Watts (W): 13
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P123888

CATALOG NUMBER: ELG406935WH (50° BEAM - 35° TILT)

Luminous Intensity Polar Plot





TEST NUMBER: P123888

CATALOG NUMBER: ELG406935WH (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° | 85601 | 85601 | 85601 |
| 5° | 121271 | 79237 | 39360 |
| 10° | 175938 | 68826 | 5180 |
| 15° | 256618 | 53628 | 1484 |
| 20° | 355000 | 35253 | 0 |
| 25° | 411796 | 14944 | 0 |
| 30° | 423046 | 4291 | 0 |
| 35° | 432598 | 1916 | 0 |
| 40° | 426314 | 0 | 0 |
| 45° | 419683 | 0 | 0 |
| 50° | 420117 | 0 | 0 |
| 55° | 419236 | 0 | 0 |
| 60° | 357413 | 0 | 0 |
| 65° | 252862 | 0 | 0 |
| 70° | 164557 | 0 | 0 |
| 75° | 84983 | 0 | 0 |
| 80° | 23357 | 0 | 0 |
| 85° | 4719 | 0 | 0 |



TEST NUMBER: P123888

CATALOG NUMBER: ELG406935WH (50° BEAM - 35° TILT)

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 16.1 | 2.0 |
| 10°-20° | 57.6 | 7.2 |
| 20°-30° | 121.9 | 15.2 |
| 30°-40° | 168.3 | 21.0 |
| 40°-50° | 177.6 | 22.2 |
| 50°-60° | 149.9 | 18.7 |
| 60°-70° | 81.9 | 10.2 |
| 70°-80° | 24.5 | 3.1 |
| 80°-90° | 2.0 | 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° | 195.5 | 24.4 |
| 0°-40° | 363.8 | 45.5 |
| 0°-60° | 691.4 | 86.4 |
| 0°-90° | 799.8 | 100.0 |
| 90°-120° | 0.1 | 0.0 |
| 90°-150° | 0.1 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 800.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|-----|-----|------|------|------|
| 0° | 174 | 174 | 174 | 174 | 174 | |
| 5° | 258 | 226 | 169 | 108 | 84 | 29 |
| 15° | 588 | 377 | 123 | 7 | 3 | 175 |
| 25° | 981 | 486 | 36 | 0 | 0 | 447 |
| 35° | 1038 | 492 | 5 | 0 | 0 | 644 |
| 45° | 984 | 378 | 0 | 0 | 0 | 763 |
| 55° | 930 | 223 | 0 | 0 | 0 | 811 |
| 65° | 512 | 57 | 0 | 0 | 0 | 516 |
| 75° | 150 | 7 | 0 | 0 | 0 | 168 |
| 85° | 7 | 2 | 0 | 0 | 0 | 11 |
| 90° | 5 | 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: P123888

CATALOG NUMBER: ELG406935WH (50° BEAM - 35° TILT)

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0° | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 |
| 2.5° | 204.5 | 202.2 | 199.9 | 201.0 | 198.7 | 198.7 | 197.6 | 195.3 | 195.3 | 193.0 | 191.8 |
| 5° | 258.5 | 251.6 | 251.6 | 248.1 | 245.8 | 242.4 | 240.1 | 235.5 | 232.0 | 226.3 | 222.9 |
| 7.5° | 319.3 | 317.0 | 313.6 | 313.6 | 304.4 | 296.4 | 289.5 | 280.3 | 269.9 | 259.6 | 249.3 |
| 10° | 390.6 | 390.6 | 384.8 | 379.1 | 369.9 | 360.7 | 349.2 | 333.1 | 318.2 | 301.0 | 282.6 |
| 12.5° | 471.0 | 466.4 | 458.3 | 448.0 | 435.4 | 418.1 | 399.8 | 380.2 | 357.3 | 336.6 | 310.2 |
| 15° | 588.1 | 579.0 | 567.5 | 550.2 | 526.1 | 496.2 | 467.5 | 436.5 | 406.6 | 376.8 | 344.6 |
| 17.5° | 712.2 | 706.5 | 689.2 | 664.0 | 630.6 | 589.3 | 545.6 | 495.1 | 451.4 | 408.9 | 371.0 |
| 20° | 832.8 | 824.8 | 806.4 | 778.8 | 732.9 | 681.2 | 623.8 | 558.3 | 495.1 | 438.8 | 390.6 |
| 22.5° | 920.1 | 914.4 | 896.0 | 873.0 | 830.5 | 773.1 | 700.7 | 621.5 | 544.5 | 469.8 | 408.9 |
| 25° | 981.0 | 971.8 | 956.9 | 928.2 | 892.6 | 838.6 | 759.3 | 672.0 | 573.2 | 485.9 | 413.5 |
| 27.5° | 1016.6 | 1012.0 | 1004.0 | 983.3 | 947.7 | 892.6 | 816.7 | 713.4 | 605.4 | 503.1 | 421.6 |
| 30° | 1015.5 | 1015.5 | 1016.6 | 1015.5 | 992.5 | 932.8 | 856.9 | 743.2 | 624.9 | 511.2 | 422.7 |
| 32.5° | 1022.4 | 1018.9 | 1013.2 | 1018.9 | 1010.9 | 954.6 | 875.3 | 758.2 | 626.1 | 504.3 | 410.1 |
| 35° | 1038.4 | 1031.5 | 1021.2 | 1017.8 | 1017.8 | 964.9 | 885.7 | 761.6 | 620.3 | 491.7 | 396.3 |
| 37.5° | 1021.2 | 1028.1 | 1022.4 | 1008.6 | 1010.9 | 960.3 | 881.1 | 750.1 | 598.5 | 472.1 | 375.6 |
| 40° | 1015.5 | 1018.9 | 1007.4 | 995.9 | 995.9 | 946.5 | 863.8 | 717.9 | 565.2 | 443.4 | 348.1 |
| 42.5° | 1023.5 | 1008.6 | 989.0 | 991.3 | 982.2 | 929.3 | 835.1 | 678.9 | 526.1 | 412.4 | 321.6 |
| 45° | 984.4 | 971.8 | 973.0 | 986.7 | 962.6 | 901.7 | 783.4 | 624.9 | 483.6 | 377.9 | 290.6 |
| 47.5° | 948.8 | 955.7 | 959.2 | 955.7 | 920.1 | 852.3 | 713.4 | 562.9 | 431.9 | 337.7 | 252.7 |
| 50° | 962.6 | 958.0 | 953.4 | 931.6 | 890.3 | 791.5 | 645.6 | 502.0 | 390.6 | 302.1 | 225.1 |
| 52.5° | 958.0 | 953.4 | 932.8 | 898.3 | 830.5 | 712.2 | 564.0 | 440.0 | 349.2 | 261.9 | 184.9 |
| 55° | 930.5 | 921.3 | 893.7 | 840.9 | 742.1 | 616.9 | 487.1 | 382.5 | 298.7 | 222.9 | 145.9 |
| 57.5° | 874.2 | 856.9 | 814.4 | 736.3 | 635.2 | 516.9 | 414.7 | 329.7 | 251.6 | 178.1 | 106.8 |
| 60° | 761.6 | 744.4 | 698.4 | 621.5 | 527.3 | 434.2 | 353.8 | 278.0 | 206.8 | 135.5 | 70.1 |
| 62.5° | 632.9 | 616.9 | 570.9 | 506.6 | 434.2 | 365.3 | 295.2 | 227.4 | 158.5 | 94.2 | 39.1 |
| 65° | 512.3 | 497.4 | 462.9 | 414.7 | 361.8 | 303.3 | 241.2 | 178.1 | 113.7 | 57.4 | 16.1 |
| 67.5° | 407.8 | 397.5 | 375.6 | 340.0 | 295.2 | 242.4 | 186.1 | 125.2 | 71.2 | 27.6 | 8.0 |
| 70° | 313.6 | 309.0 | 294.1 | 268.8 | 229.7 | 182.6 | 131.0 | 81.6 | 35.6 | 10.3 | 5.7 |
| 72.5° | 226.3 | 224.0 | 216.0 | 198.7 | 167.7 | 126.4 | 83.9 | 43.7 | 13.8 | 6.9 | 5.7 |
| 75° | 150.5 | 149.3 | 144.7 | 129.8 | 106.8 | 79.3 | 45.9 | 14.9 | 4.6 | 6.9 | 5.7 |
| 77.5° | 87.3 | 85.0 | 85.0 | 77.0 | 60.9 | 41.4 | 14.9 | 8.0 | 5.7 | 3.4 | 3.4 |
| 80° | 37.9 | 37.9 | 37.9 | 34.5 | 24.1 | 12.6 | 6.9 | 2.3 | 1.1 | 1.1 | 1.1 |
| 82.5° | 12.6 | 11.5 | 11.5 | 11.5 | 9.2 | 6.9 | 5.7 | 3.4 | 3.4 | 2.3 | 1.1 |
| 85° | 6.9 | 6.9 | 6.9 | 6.9 | 5.7 | 4.6 | 4.6 | 3.4 | 2.3 | 2.3 | 1.1 |
| 87.5° | 5.7 | 3.4 | 4.6 | 3.4 | 3.4 | 2.3 | 3.4 | 2.3 | 1.1 | 2.3 | 1.1 |
| 90° | 4.6 | 2.3 | 2.3 | 3.4 | 2.3 | 2.3 | 1.1 | 2.3 | 0.0 | 1.1 | 1.1 |
| 92.5° | 1.1 | 1.1 | 1.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 1.1 | 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: P123888

CATALOG NUMBER: ELG406935WH (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: P123888

CATALOG NUMBER: ELG406935WH (50° BEAM - 35° TILT)

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 |
| 2.5° | 188.4 | 188.4 | 184.9 | 181.5 | 179.2 | 176.9 | 173.5 | 171.2 | 168.9 | 166.6 | 164.3 |
| 5° | 216.0 | 210.2 | 204.5 | 196.4 | 190.7 | 183.8 | 179.2 | 168.9 | 160.8 | 153.9 | 148.2 |
| 7.5° | 244.7 | 229.7 | 218.3 | 207.9 | 197.6 | 187.2 | 175.8 | 162.0 | 149.3 | 136.7 | 125.2 |
| 10° | 267.7 | 249.3 | 233.2 | 216.0 | 203.3 | 187.2 | 171.2 | 152.8 | 135.5 | 118.3 | 103.4 |
| 12.5° | 284.9 | 261.9 | 238.9 | 219.4 | 197.6 | 179.2 | 157.4 | 134.4 | 111.4 | 93.0 | 73.5 |
| 15° | 312.5 | 281.4 | 253.9 | 224.0 | 202.2 | 178.1 | 150.5 | 122.9 | 96.5 | 72.4 | 51.7 |
| 17.5° | 330.8 | 296.4 | 257.3 | 225.1 | 197.6 | 167.7 | 136.7 | 104.5 | 74.7 | 51.7 | 29.9 |
| 20° | 345.8 | 299.8 | 258.5 | 220.6 | 190.7 | 157.4 | 118.3 | 82.7 | 52.8 | 29.9 | 13.8 |
| 22.5° | 356.1 | 303.3 | 257.3 | 216.0 | 179.2 | 139.0 | 98.8 | 63.2 | 32.2 | 14.9 | 11.5 |
| 25° | 352.7 | 296.4 | 244.7 | 199.9 | 159.7 | 113.7 | 73.5 | 35.6 | 10.3 | 3.4 | 1.1 |
| 27.5° | 353.8 | 291.8 | 238.9 | 191.8 | 145.9 | 96.5 | 54.0 | 21.8 | 8.0 | 3.4 | 4.6 |
| 30° | 351.5 | 284.9 | 227.4 | 175.8 | 124.1 | 77.0 | 35.6 | 10.3 | 5.7 | 8.0 | 3.4 |
| 32.5° | 335.4 | 267.7 | 209.1 | 155.1 | 99.9 | 50.5 | 14.9 | 4.6 | 3.4 | 1.1 | 1.1 |
| 35° | 319.3 | 250.4 | 191.8 | 132.1 | 77.0 | 31.0 | 9.2 | 4.6 | 1.1 | 3.4 | 1.1 |
| 37.5° | 296.4 | 228.6 | 167.7 | 105.7 | 52.8 | 13.8 | 4.6 | 2.3 | 2.3 | 1.1 | 0.0 |
| 40° | 269.9 | 202.2 | 137.8 | 78.1 | 28.7 | 4.6 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 245.8 | 175.8 | 111.4 | 52.8 | 12.6 | 3.4 | 2.3 | 1.1 | 1.1 | 0.0 | 0.0 |
| 45° | 216.0 | 144.7 | 81.6 | 28.7 | 6.9 | 2.3 | 1.1 | 0.0 | 0.0 | 0.0 | 2.3 |
| 47.5° | 180.3 | 110.3 | 50.5 | 9.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 150.5 | 82.7 | 28.7 | 5.7 | 3.4 | 0.0 | 2.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 112.6 | 50.5 | 10.3 | 4.6 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 79.3 | 26.4 | 6.9 | 2.3 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 47.1 | 10.3 | 4.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 21.8 | 5.7 | 2.3 | 2.3 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 9.2 | 4.6 | 2.3 | 2.3 | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 6.9 | 3.4 | 2.3 | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 |
| 67.5° | 4.6 | 3.4 | 2.3 | 1.1 | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 2.3 | 2.3 | 1.1 | 1.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 3.4 | 3.4 | 2.3 | 1.1 | 0.0 | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 2.3 | 1.1 | 2.3 | 0.0 | 1.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 2.3 | 1.1 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 2.3 | 1.1 | 1.1 | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 2.3 | 1.1 | 2.3 | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 |
| 90° | 0.0 | 1.1 | 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° | 1.1 | 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 | 1.1 |
| 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: P123888

CATALOG NUMBER: ELG406935WH (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: P123888

CATALOG NUMBER: ELG406935WH (50° BEAM - 35° TILT)

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 | 173.5 |
| 2.5° | 160.8 | 157.4 | 157.4 | 153.9 | 151.6 | 150.5 | 149.3 | 144.7 | 143.6 | 142.4 | 142.4 |
| 5° | 140.1 | 133.3 | 125.2 | 119.5 | 113.7 | 108.0 | 103.4 | 101.1 | 94.2 | 89.6 | 87.3 |
| 7.5° | 113.7 | 102.2 | 91.9 | 82.7 | 71.2 | 66.6 | 56.3 | 51.7 | 45.9 | 42.5 | 37.9 |
| 10° | 86.2 | 73.5 | 59.7 | 47.1 | 37.9 | 31.0 | 24.1 | 19.5 | 17.2 | 14.9 | 12.6 |
| 12.5° | 54.0 | 36.8 | 27.6 | 18.4 | 9.2 | 6.9 | 6.9 | 3.4 | 2.3 | 2.3 | 1.1 |
| 15° | 34.5 | 19.5 | 12.6 | 9.2 | 9.2 | 6.9 | 5.7 | 4.6 | 4.6 | 3.4 | 3.4 |
| 17.5° | 16.1 | 10.3 | 8.0 | 4.6 | 4.6 | 4.6 | 3.4 | 4.6 | 6.9 | 3.4 | 2.3 |
| 20° | 6.9 | 5.7 | 4.6 | 3.4 | 2.3 | 4.6 | 2.3 | 1.1 | 1.1 | 1.1 | 1.1 |
| 22.5° | 6.9 | 5.7 | 4.6 | 5.7 | 9.2 | 1.1 | 3.4 | 1.1 | 1.1 | 0.0 | 1.1 |
| 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° | 1.1 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 2.3 | 2.3 | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 3.4 | 2.3 | 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° | 6.9 | 0.0 | 1.1 | 2.3 | 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° | 1.1 | 0.0 | 0.0 | 0.0 | 1.1 | 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 | 1.1 | 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: P123888

CATALOG NUMBER: ELG406935WH (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: P123888

CATALOG NUMBER: ELG406935WH (50° BEAM - 35° TILT)

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|--------|-------|-------|-------|-------|
| 0° | 173.5 | 173.5 | 173.5 | 173.5 |
| 2.5° | 141.3 | 140.1 | 141.3 | 139.0 |
| 5° | 88.5 | 83.9 | 83.9 | 83.9 |
| 7.5° | 36.8 | 34.5 | 33.3 | 34.5 |
| 10° | 12.6 | 11.5 | 11.5 | 11.5 |
| 12.5° | 2.3 | 1.1 | 1.1 | 1.1 |
| 15° | 3.4 | 3.4 | 3.4 | 3.4 |
| 17.5° | 2.3 | 1.1 | 2.3 | 1.1 |
| 20° | 0.0 | 0.0 | 0.0 | 0.0 |
| 22.5° | 1.1 | 1.1 | 0.0 | 0.0 |
| 25° | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 1.1 | 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: P123888

CATALOG NUMBER: ELG406935WH (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)