

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: P123869

Luminaire Tested: **ELSG406940WH (35° BEAM - 35° TILT)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P123869
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14000)
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: ELSG406940WH (35° BEAM - 35° TILT)
Description: HALO 4 INCH RECESSED FIXTURE WITH SQUARE WHITE TRIM,
Light Source: (1)SURFACE MOUNT LED, 4000K CCT, 90CRI
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 850.0 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 2.57 / 0.75 / 1.48
Luminous Opening: Vertical Cylinder (Dia: 0.17' x H: 0.08')
CIE Type: Direct

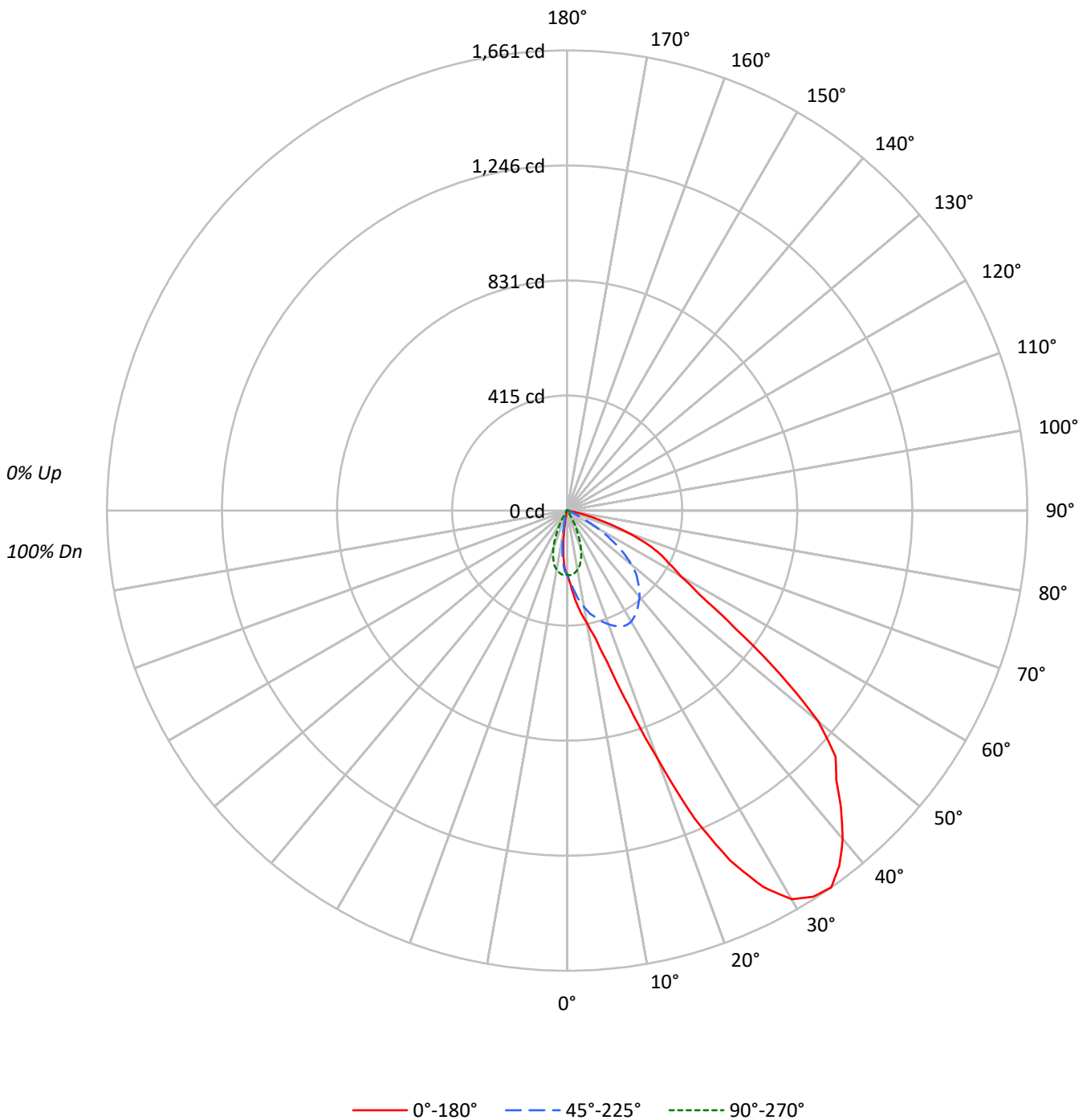
Input Watts (W): 13
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P123869

CATALOG NUMBER: ELSG406940WH (35° BEAM - 35° TILT)

Luminous Intensity Polar Plot





TEST NUMBER: P123869

CATALOG NUMBER: ELSG406940WH (35° 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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | 100 |
| 1 | 111 | 107 | 103 | 100 | 108 | 104 | 101 | 98 | 100 | 97 | 95 | 96 | 94 | 92 | 93 | 91 | 89 | | | | 87 | |
| 2 | 102 | 94 | 88 | 83 | 99 | 93 | 87 | 82 | 89 | 85 | 81 | 86 | 82 | 79 | 83 | 80 | 77 | | | | 75 | |
| 3 | 93 | 84 | 76 | 71 | 91 | 82 | 75 | 70 | 79 | 74 | 69 | 77 | 72 | 68 | 74 | 70 | 66 | | | | 64 | |
| 4 | 86 | 75 | 67 | 60 | 83 | 73 | 66 | 60 | 71 | 64 | 59 | 69 | 63 | 58 | 66 | 62 | 58 | | | | 56 | |
| 5 | 79 | 67 | 58 | 52 | 77 | 66 | 58 | 52 | 64 | 57 | 51 | 62 | 56 | 51 | 60 | 54 | 50 | | | | 48 | |
| 6 | 73 | 60 | 52 | 45 | 71 | 59 | 51 | 45 | 57 | 50 | 45 | 56 | 49 | 44 | 54 | 48 | 44 | | | | 42 | |
| 7 | 67 | 54 | 46 | 40 | 66 | 53 | 45 | 40 | 52 | 45 | 40 | 51 | 44 | 39 | 49 | 43 | 39 | | | | 37 | |
| 8 | 62 | 49 | 41 | 35 | 61 | 49 | 41 | 35 | 47 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | | | | 33 | |
| 9 | 58 | 45 | 37 | 32 | 57 | 44 | 37 | 31 | 43 | 36 | 31 | 42 | 36 | 31 | 41 | 35 | 31 | | | | 29 | |
| 10 | 54 | 41 | 34 | 28 | 53 | 41 | 33 | 28 | 40 | 33 | 28 | 39 | 32 | 28 | 38 | 32 | 28 | | | | 26 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|--------|
| 0° | 113971 | 113971 | 113971 |
| 5° | 149795 | 108370 | 72622 |
| 10° | 185757 | 97518 | 19053 |
| 15° | 250160 | 82339 | 4756 |
| 20° | 405769 | 61852 | 2558 |
| 25° | 584867 | 37570 | 504 |
| 30° | 674665 | 15622 | 1000 |
| 35° | 691806 | 5041 | 0 |
| 40° | 649399 | 3065 | 0 |
| 45° | 585782 | 1535 | 0 |
| 50° | 515741 | 524 | 0 |
| 55° | 333497 | 1622 | 0 |
| 60° | 222492 | 563 | 0 |
| 65° | 182675 | 592 | 0 |
| 70° | 123785 | 0 | 630 |
| 75° | 53249 | 0 | 0 |
| 80° | 8936 | 0 | 0 |
| 85° | 4993 | 0 | 0 |



TEST NUMBER: P123869

CATALOG NUMBER: ELSG406940WH (35° BEAM - 35° TILT)

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 21.9 | 2.6 |
| 10°-20° | 66.3 | 7.8 |
| 20°-30° | 147.2 | 17.3 |
| 30°-40° | 210.9 | 24.8 |
| 40°-50° | 196.7 | 23.1 |
| 50°-60° | 122.8 | 14.5 |
| 60°-70° | 64.1 | 7.5 |
| 70°-80° | 17.0 | 2.0 |
| 80°-90° | 2.3 | 0.3 |
| 90°-100° | 0.8 | 0.1 |
| 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° | 235.4 | 27.7 |
| 0°-40° | 446.3 | 52.5 |
| 0°-60° | 765.8 | 90.1 |
| 0°-90° | 849.1 | 99.9 |
| 90°-120° | 0.8 | 0.1 |
| 90°-150° | 0.8 | 0.1 |
| 90°-180° | 1.0 | 0.1 |
| 0°-180° | 850.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|-----|-----|------|------|------|
| 0° | 231 | 231 | 231 | 231 | 231 | |
| 5° | 319 | 290 | 231 | 180 | 155 | 33 |
| 15° | 573 | 399 | 189 | 22 | 11 | 182 |
| 25° | 1393 | 463 | 90 | 6 | 1 | 635 |
| 35° | 1661 | 440 | 12 | 0 | 0 | 1022 |
| 45° | 1374 | 360 | 4 | 0 | 0 | 1064 |
| 55° | 740 | 220 | 4 | 0 | 0 | 690 |
| 65° | 370 | 45 | 1 | 0 | 0 | 359 |
| 75° | 94 | 6 | 0 | 0 | 0 | 111 |
| 85° | 7 | 2 | 0 | 0 | 0 | 8 |
| 90° | 5 | 2 | 0 | 1 | 0 | 2 |
| 95° | 1 | 1 | 1 | 1 | 1 | 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: P123869

CATALOG NUMBER: ELSG406940WH (35° BEAM - 35° TILT)

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 |
| 2.5° | 263.7 | 262.5 | 262.5 | 262.5 | 260.0 | 260.0 | 260.0 | 258.8 | 256.4 | 254.0 | 251.6 |
| 5° | 319.3 | 318.1 | 316.9 | 314.5 | 310.8 | 310.8 | 306.0 | 301.2 | 298.7 | 290.3 | 285.4 |
| 7.5° | 368.9 | 366.5 | 365.3 | 361.6 | 358.0 | 354.4 | 347.1 | 343.5 | 332.6 | 325.4 | 315.7 |
| 10° | 412.4 | 411.2 | 407.6 | 404.0 | 400.3 | 394.3 | 385.8 | 376.2 | 366.5 | 354.4 | 342.3 |
| 12.5° | 471.7 | 469.3 | 464.4 | 456.0 | 443.9 | 433.0 | 420.9 | 407.6 | 393.1 | 381.0 | 362.8 |
| 15° | 573.3 | 569.7 | 555.2 | 539.4 | 512.8 | 489.8 | 464.4 | 440.3 | 419.7 | 399.1 | 382.2 |
| 17.5° | 736.6 | 725.7 | 701.5 | 666.4 | 620.5 | 573.3 | 524.9 | 483.8 | 447.5 | 419.7 | 395.5 |
| 20° | 951.9 | 938.6 | 895.0 | 835.8 | 759.6 | 680.9 | 602.3 | 531.0 | 479.0 | 436.6 | 405.2 |
| 22.5° | 1203.4 | 1181.7 | 1126.0 | 1041.4 | 927.7 | 806.7 | 690.6 | 587.8 | 508.0 | 451.1 | 412.4 |
| 25° | 1393.3 | 1378.8 | 1324.4 | 1237.3 | 1097.0 | 934.9 | 777.7 | 639.8 | 533.4 | 463.2 | 414.9 |
| 27.5° | 1531.2 | 1510.7 | 1455.0 | 1370.3 | 1233.7 | 1048.6 | 850.3 | 680.9 | 552.7 | 465.7 | 414.9 |
| 30° | 1619.5 | 1605.0 | 1548.1 | 1457.4 | 1319.6 | 1127.2 | 899.9 | 702.7 | 560.0 | 463.2 | 411.2 |
| 32.5° | 1652.2 | 1638.9 | 1592.9 | 1501.0 | 1358.3 | 1164.7 | 915.6 | 700.3 | 544.3 | 452.3 | 400.3 |
| 35° | 1660.6 | 1637.6 | 1591.7 | 1502.2 | 1358.3 | 1159.9 | 899.9 | 678.5 | 527.3 | 440.3 | 389.5 |
| 37.5° | 1614.7 | 1597.7 | 1557.8 | 1465.9 | 1326.8 | 1116.4 | 855.1 | 638.6 | 499.5 | 423.3 | 374.9 |
| 40° | 1546.9 | 1537.3 | 1493.7 | 1406.6 | 1267.5 | 1041.4 | 785.0 | 584.2 | 470.5 | 406.4 | 355.6 |
| 42.5° | 1463.5 | 1451.4 | 1412.7 | 1332.9 | 1176.8 | 932.5 | 696.7 | 531.0 | 440.3 | 385.8 | 335.0 |
| 45° | 1374.0 | 1364.3 | 1325.6 | 1236.1 | 1042.6 | 805.5 | 603.5 | 479.0 | 411.2 | 360.4 | 303.6 |
| 47.5° | 1313.5 | 1297.8 | 1232.5 | 1093.4 | 886.6 | 678.5 | 531.0 | 442.7 | 389.5 | 337.4 | 273.3 |
| 50° | 1181.7 | 1150.2 | 1054.7 | 903.5 | 718.4 | 567.2 | 470.5 | 410.0 | 362.8 | 303.6 | 238.3 |
| 52.5° | 966.4 | 931.3 | 838.2 | 713.6 | 584.2 | 488.6 | 426.9 | 379.8 | 329.0 | 263.7 | 193.5 |
| 55° | 740.2 | 714.8 | 647.1 | 567.2 | 492.3 | 435.4 | 390.7 | 345.9 | 290.3 | 220.1 | 147.6 |
| 57.5° | 569.7 | 558.8 | 521.3 | 479.0 | 436.6 | 397.9 | 356.8 | 307.2 | 244.3 | 171.7 | 107.6 |
| 60° | 474.1 | 466.9 | 446.3 | 425.7 | 394.3 | 359.2 | 315.7 | 258.8 | 194.7 | 124.6 | 66.5 |
| 62.5° | 416.1 | 411.2 | 396.7 | 379.8 | 350.8 | 314.5 | 263.7 | 202.0 | 139.1 | 79.8 | 32.7 |
| 65° | 370.1 | 365.3 | 354.4 | 338.7 | 306.0 | 262.5 | 208.0 | 150.0 | 95.5 | 44.8 | 18.1 |
| 67.5° | 309.6 | 308.4 | 298.7 | 279.4 | 243.1 | 199.6 | 147.6 | 96.8 | 53.2 | 19.4 | 9.7 |
| 70° | 235.9 | 234.6 | 227.4 | 209.2 | 177.8 | 139.1 | 99.2 | 54.4 | 23.0 | 10.9 | 7.3 |
| 72.5° | 158.4 | 156.0 | 152.4 | 139.1 | 116.1 | 87.1 | 55.6 | 24.2 | 10.9 | 9.7 | 8.5 |
| 75° | 94.3 | 93.1 | 91.9 | 83.5 | 70.2 | 46.0 | 21.8 | 10.9 | 9.7 | 6.0 | 2.4 |
| 77.5° | 44.8 | 46.0 | 46.0 | 43.5 | 32.7 | 16.9 | 12.1 | 9.7 | 7.3 | 6.0 | 3.6 |
| 80° | 14.5 | 15.7 | 15.7 | 14.5 | 13.3 | 10.9 | 9.7 | 6.0 | 4.8 | 3.6 | 4.8 |
| 82.5° | 10.9 | 10.9 | 10.9 | 9.7 | 9.7 | 7.3 | 7.3 | 6.0 | 4.8 | 4.8 | 2.4 |
| 85° | 7.3 | 7.3 | 7.3 | 6.0 | 4.8 | 6.0 | 4.8 | 3.6 | 3.6 | 2.4 | 2.4 |
| 87.5° | 6.0 | 6.0 | 3.6 | 4.8 | 4.8 | 3.6 | 3.6 | 3.6 | 2.4 | 2.4 | 1.2 |
| 90° | 4.8 | 3.6 | 4.8 | 3.6 | 4.8 | 3.6 | 3.6 | 2.4 | 4.8 | 2.4 | 1.2 |
| 92.5° | 1.2 | 2.4 | 2.4 | 1.2 | 3.6 | 2.4 | 3.6 | 1.2 | 1.2 | 1.2 | 2.4 |
| 95° | 1.2 | 2.4 | 2.4 | 1.2 | 2.4 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 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: P123869

CATALOG NUMBER: ELSG406940WH (35° 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: P123869

CATALOG NUMBER: ELSG406940WH (35° BEAM - 35° TILT)

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 |
| 2.5° | 249.2 | 247.9 | 245.5 | 244.3 | 241.9 | 239.5 | 235.9 | 233.4 | 232.2 | 231.0 | 228.6 |
| 5° | 280.6 | 274.6 | 264.9 | 260.0 | 255.2 | 246.7 | 237.1 | 231.0 | 227.4 | 218.9 | 214.1 |
| 7.5° | 304.8 | 295.1 | 283.0 | 270.9 | 260.0 | 246.7 | 233.4 | 225.0 | 212.9 | 204.4 | 193.5 |
| 10° | 329.0 | 313.3 | 297.5 | 279.4 | 263.7 | 245.5 | 229.8 | 216.5 | 202.0 | 187.5 | 171.7 |
| 12.5° | 344.7 | 327.8 | 308.4 | 285.4 | 263.7 | 240.7 | 222.5 | 205.6 | 185.1 | 164.5 | 147.6 |
| 15° | 360.4 | 337.4 | 313.3 | 286.6 | 260.0 | 233.4 | 211.7 | 188.7 | 163.3 | 139.1 | 114.9 |
| 17.5° | 371.3 | 344.7 | 315.7 | 286.6 | 254.0 | 225.0 | 198.4 | 169.3 | 139.1 | 110.1 | 82.2 |
| 20° | 377.4 | 347.1 | 314.5 | 278.2 | 243.1 | 209.2 | 180.2 | 145.1 | 108.9 | 78.6 | 52.0 |
| 22.5° | 378.6 | 345.9 | 308.4 | 268.5 | 231.0 | 193.5 | 157.2 | 119.7 | 81.0 | 50.8 | 27.8 |
| 25° | 384.6 | 347.1 | 302.4 | 257.6 | 217.7 | 175.4 | 135.5 | 89.5 | 55.6 | 29.0 | 18.1 |
| 27.5° | 374.9 | 336.2 | 287.9 | 241.9 | 197.1 | 151.2 | 105.2 | 62.9 | 30.2 | 14.5 | 10.9 |
| 30° | 372.5 | 325.4 | 273.3 | 225.0 | 174.2 | 124.6 | 76.2 | 37.5 | 15.7 | 10.9 | 8.5 |
| 32.5° | 355.6 | 308.4 | 254.0 | 199.6 | 145.1 | 91.9 | 48.4 | 18.1 | 9.7 | 7.3 | 7.3 |
| 35° | 342.3 | 289.1 | 229.8 | 171.7 | 117.3 | 64.1 | 26.6 | 12.1 | 8.5 | 6.0 | 6.0 |
| 37.5° | 322.9 | 264.9 | 203.2 | 142.7 | 87.1 | 39.9 | 15.7 | 9.7 | 7.3 | 4.8 | 3.6 |
| 40° | 302.4 | 238.3 | 173.0 | 112.5 | 58.1 | 19.4 | 9.7 | 7.3 | 8.5 | 3.6 | 2.4 |
| 42.5° | 270.9 | 205.6 | 140.3 | 78.6 | 31.4 | 9.7 | 8.5 | 4.8 | 3.6 | 2.4 | 2.4 |
| 45° | 235.9 | 166.9 | 101.6 | 46.0 | 12.1 | 6.0 | 2.4 | 3.6 | 0.0 | 0.0 | 0.0 |
| 47.5° | 203.2 | 134.3 | 75.0 | 27.8 | 12.1 | 7.3 | 6.0 | 4.8 | 3.6 | 2.4 | 3.6 |
| 50° | 164.5 | 95.5 | 41.1 | 12.1 | 8.5 | 4.8 | 3.6 | 1.2 | 3.6 | 1.2 | 0.0 |
| 52.5° | 120.9 | 65.3 | 19.4 | 9.7 | 7.3 | 3.6 | 3.6 | 1.2 | 1.2 | 2.4 | 1.2 |
| 55° | 83.5 | 35.1 | 10.9 | 8.5 | 6.0 | 3.6 | 2.4 | 3.6 | 1.2 | 0.0 | 0.0 |
| 57.5° | 50.8 | 15.7 | 9.7 | 8.5 | 4.8 | 6.0 | 2.4 | 1.2 | 2.4 | 1.2 | 1.2 |
| 60° | 24.2 | 12.1 | 8.5 | 6.0 | 3.6 | 2.4 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 62.5° | 12.1 | 7.3 | 6.0 | 3.6 | 2.4 | 0.0 | 1.2 | 1.2 | 0.0 | 0.0 | 1.2 |
| 65° | 9.7 | 7.3 | 6.0 | 2.4 | 3.6 | 2.4 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 |
| 67.5° | 6.0 | 6.0 | 3.6 | 1.2 | 1.2 | 1.2 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 |
| 70° | 4.8 | 4.8 | 2.4 | 2.4 | 1.2 | 1.2 | 0.0 | 0.0 | 1.2 | 0.0 | 1.2 |
| 72.5° | 4.8 | 3.6 | 1.2 | 2.4 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 |
| 75° | 2.4 | 2.4 | 2.4 | 1.2 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 2.4 | 2.4 | 2.4 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 3.6 | 3.6 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 |
| 82.5° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 1.2 | 1.2 | 0.0 | 0.0 | 1.2 | 1.2 |
| 85° | 1.2 | 2.4 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 | 1.2 | 0.0 | 0.0 | 1.2 |
| 90° | 1.2 | 2.4 | 1.2 | 1.2 | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 |
| 92.5° | 0.0 | 2.4 | 0.0 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 |
| 95° | 0.0 | 2.4 | 1.2 | 1.2 | 2.4 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 1.2 | 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: P123869

CATALOG NUMBER: ELSG406940WH (35° 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: P123869

CATALOG NUMBER: ELSG406940WH (35° BEAM - 35° TILT)

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 | 231.0 |
| 2.5° | 226.2 | 223.8 | 220.1 | 220.1 | 218.9 | 216.5 | 215.3 | 214.1 | 211.7 | 208.0 | 209.2 |
| 5° | 206.8 | 200.8 | 194.7 | 188.7 | 183.8 | 180.2 | 174.2 | 168.1 | 164.5 | 165.7 | 162.1 |
| 7.5° | 183.8 | 173.0 | 163.3 | 152.4 | 142.7 | 134.3 | 127.0 | 119.7 | 111.3 | 107.6 | 102.8 |
| 10° | 156.0 | 139.1 | 125.8 | 113.7 | 99.2 | 87.1 | 78.6 | 70.2 | 60.5 | 56.8 | 50.8 |
| 12.5° | 124.6 | 105.2 | 89.5 | 73.8 | 58.1 | 47.2 | 38.7 | 30.2 | 24.2 | 20.6 | 19.4 |
| 15° | 90.7 | 68.9 | 52.0 | 37.5 | 25.4 | 21.8 | 14.5 | 14.5 | 13.3 | 12.1 | 12.1 |
| 17.5° | 60.5 | 38.7 | 26.6 | 16.9 | 14.5 | 12.1 | 12.1 | 12.1 | 10.9 | 10.9 | 8.5 |
| 20° | 30.2 | 18.1 | 13.3 | 10.9 | 8.5 | 8.5 | 8.5 | 7.3 | 6.0 | 4.8 | 4.8 |
| 22.5° | 19.4 | 15.7 | 9.7 | 7.3 | 10.9 | 7.3 | 6.0 | 4.8 | 3.6 | 3.6 | 2.4 |
| 25° | 12.1 | 9.7 | 8.5 | 7.3 | 4.8 | 6.0 | 4.8 | 3.6 | 2.4 | 3.6 | 2.4 |
| 27.5° | 8.5 | 7.3 | 6.0 | 3.6 | 2.4 | 3.6 | 1.2 | 2.4 | 1.2 | 1.2 | 1.2 |
| 30° | 6.0 | 4.8 | 8.5 | 2.4 | 2.4 | 4.8 | 3.6 | 2.4 | 0.0 | 6.0 | 2.4 |
| 32.5° | 3.6 | 1.2 | 1.2 | 2.4 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 |
| 35° | 3.6 | 1.2 | 1.2 | 0.0 | 2.4 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 2.4 | 2.4 | 1.2 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 |
| 40° | 1.2 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 1.2 | 1.2 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 1.2 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 0.0 | 0.0 |
| 55° | 2.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 1.2 | 0.0 | 0.0 | 1.2 |
| 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 | 1.2 | 0.0 | 2.4 | 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 | 1.2 | 1.2 | 0.0 | 0.0 | 1.2 | 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 | 1.2 | 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 | 1.2 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 | 1.2 |
| 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° | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 1.2 | 0.0 | 1.2 | 1.2 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 |
| 92.5° | 1.2 | 0.0 | 0.0 | 1.2 | 0.0 | 1.2 | 0.0 | 1.2 | 1.2 | 1.2 | 0.0 |
| 95° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.0 | 1.2 | 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: P123869

CATALOG NUMBER: ELSG406940WH (35° 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: P123869

CATALOG NUMBER: ELSG406940WH (35° BEAM - 35° TILT)

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|--------|-------|-------|-------|-------|
| 0° | 231.0 | 231.0 | 231.0 | 231.0 |
| 2.5° | 206.8 | 208.0 | 205.6 | 206.8 |
| 5° | 156.0 | 154.8 | 156.0 | 154.8 |
| 7.5° | 98.0 | 98.0 | 95.5 | 94.3 |
| 10° | 47.2 | 46.0 | 43.5 | 42.3 |
| 12.5° | 18.1 | 18.1 | 16.9 | 16.9 |
| 15° | 12.1 | 10.9 | 12.1 | 10.9 |
| 17.5° | 8.5 | 9.7 | 7.3 | 9.7 |
| 20° | 6.0 | 4.8 | 4.8 | 6.0 |
| 22.5° | 2.4 | 2.4 | 3.6 | 1.2 |
| 25° | 2.4 | 2.4 | 2.4 | 1.2 |
| 27.5° | 1.2 | 1.2 | 1.2 | 1.2 |
| 30° | 0.0 | 1.2 | 1.2 | 2.4 |
| 32.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 2.4 | 0.0 | 0.0 |
| 37.5° | 0.0 | 0.0 | 1.2 | 0.0 |
| 40° | 0.0 | 0.0 | 1.2 | 0.0 |
| 42.5° | 1.2 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 1.2 | 0.0 | 1.2 | 3.6 |
| 50° | 0.0 | 1.2 | 0.0 | 0.0 |
| 52.5° | 1.2 | 0.0 | 1.2 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 1.2 | 1.2 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 2.4 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 1.2 |
| 72.5° | 0.0 | 0.0 | 1.2 | 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 | 1.2 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 1.2 | 0.0 | 1.2 | 1.2 |
| 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: P123869

CATALOG NUMBER: ELSG406940WH (35° 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)