

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: NEO-RAY

Report Number: P333366

Luminaire Tested: **S125DIW-S375D1560U835-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333366
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S375D1560U835-4F0-1E-UDD-D
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1560 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7700.3 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.08')
CIE Type: Semi-Indirect

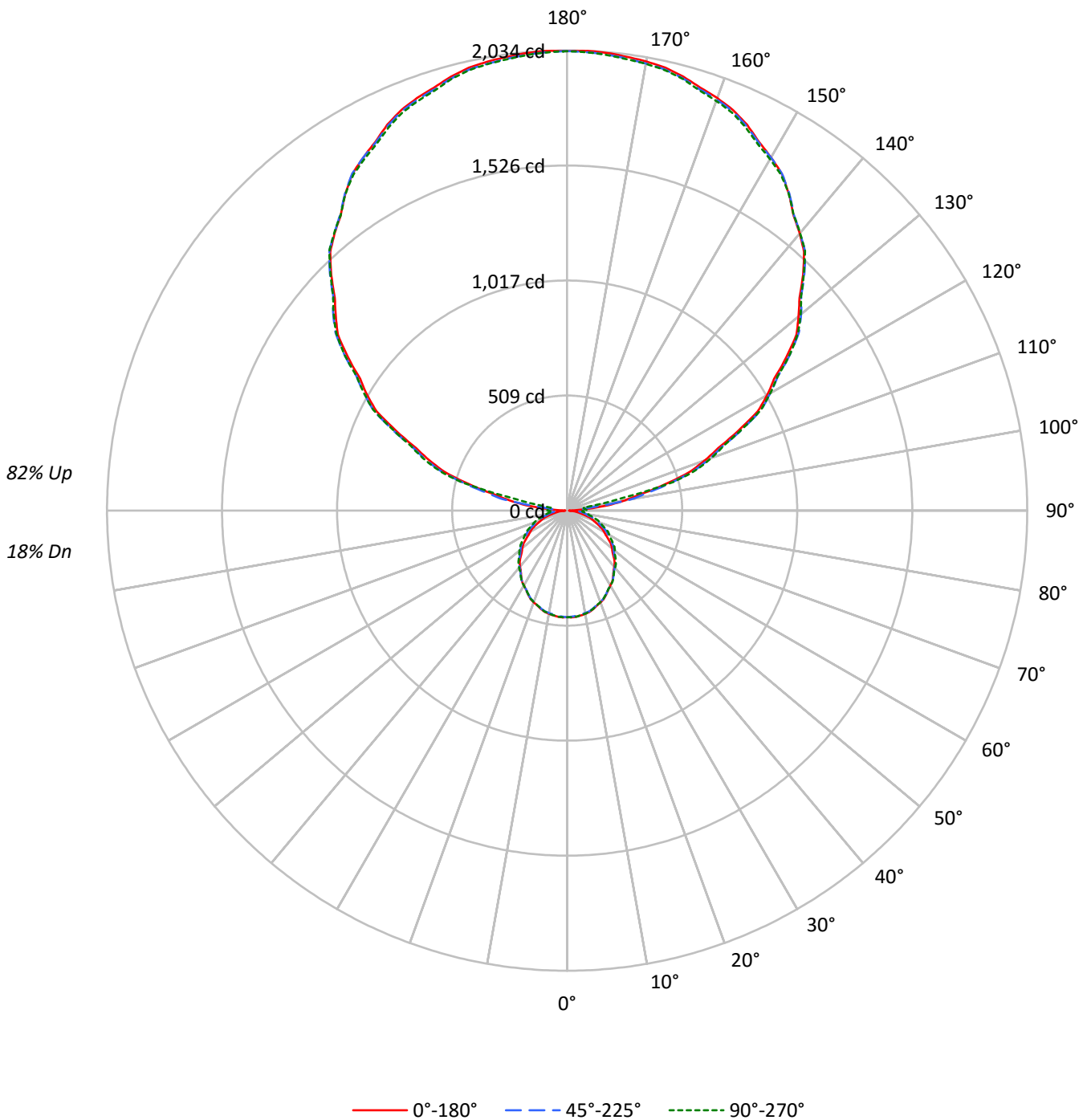
Input Watts (W): 53.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333366

CATALOG NUMBER: S125DIW-S375D1560U835-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P333366

CATALOG NUMBER: S125DIW-S375D1560U835-4F0-1E-UDD-D

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | |
| RC | 80 | | | | | | | | | 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 | 50 | 30 | 10 | 0 | | | | | | | | | | | | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 99 | 99 | 99 | 99 | 88 | 88 | 88 | 88 | 65 | 65 | 65 | 45 | 45 | 45 | 27 | 27 | 27 | 18 | | | | | | | | | | | | | | | | | | | |
| 1 | 90 | 86 | 82 | 79 | 79 | 76 | 73 | 70 | 57 | 55 | 53 | 39 | 38 | 37 | 23 | 22 | 22 | 14 | | | | | | | | | | | | | | | | | | | |
| 2 | 82 | 75 | 69 | 64 | 72 | 66 | 61 | 57 | 50 | 46 | 43 | 34 | 32 | 31 | 20 | 19 | 18 | 12 | | | | | | | | | | | | | | | | | | | |
| 3 | 75 | 66 | 59 | 53 | 65 | 58 | 52 | 47 | 44 | 40 | 36 | 30 | 28 | 26 | 18 | 16 | 15 | 10 | | | | | | | | | | | | | | | | | | | |
| 4 | 68 | 58 | 50 | 45 | 60 | 51 | 45 | 40 | 38 | 34 | 31 | 27 | 24 | 22 | 16 | 14 | 13 | 8 | | | | | | | | | | | | | | | | | | | |
| 5 | 62 | 51 | 44 | 38 | 55 | 45 | 39 | 34 | 34 | 30 | 26 | 24 | 21 | 19 | 14 | 13 | 11 | 7 | | | | | | | | | | | | | | | | | | | |
| 6 | 57 | 46 | 38 | 33 | 50 | 41 | 34 | 29 | 31 | 26 | 23 | 21 | 18 | 16 | 13 | 11 | 10 | 6 | | | | | | | | | | | | | | | | | | | |
| 7 | 53 | 41 | 34 | 28 | 46 | 36 | 30 | 25 | 28 | 23 | 20 | 19 | 16 | 14 | 12 | 10 | 9 | 6 | | | | | | | | | | | | | | | | | | | |
| 8 | 49 | 37 | 30 | 25 | 43 | 33 | 27 | 22 | 25 | 21 | 17 | 18 | 15 | 12 | 11 | 9 | 8 | 5 | | | | | | | | | | | | | | | | | | | |
| 9 | 45 | 34 | 27 | 22 | 40 | 30 | 24 | 20 | 23 | 18 | 15 | 16 | 13 | 11 | 10 | 8 | 7 | 5 | | | | | | | | | | | | | | | | | | | |
| 10 | 42 | 31 | 24 | 19 | 37 | 27 | 21 | 17 | 21 | 17 | 14 | 15 | 12 | 10 | 9 | 7 | 6 | 4 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3044 | 3044 | 3044 |
| 5° | 3051 | 2988 | 2998 |
| 10° | 3028 | 2935 | 2930 |
| 15° | 2993 | 2871 | 2845 |
| 20° | 2945 | 2792 | 2759 |
| 25° | 2886 | 2707 | 2654 |
| 30° | 2816 | 2615 | 2559 |
| 35° | 2751 | 2529 | 2470 |
| 40° | 2685 | 2439 | 2382 |
| 45° | 2609 | 2362 | 2304 |
| 50° | 2537 | 2279 | 2234 |
| 55° | 2450 | 2199 | 2154 |
| 60° | 2356 | 2110 | 2070 |
| 65° | 2259 | 2016 | 1977 |
| 70° | 2147 | 1887 | 1882 |
| 75° | 1968 | 1763 | 1763 |
| 80° | 1736 | 1613 | 1635 |
| 85° | 1520 | 1511 | 1594 |



TEST NUMBER: P333366

CATALOG NUMBER: S125DIW-S375D1560U835-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 44.6 | 0.6 |
| 10°-20° | 126.5 | 1.6 |
| 20°-30° | 188.2 | 2.4 |
| 30°-40° | 222.9 | 2.9 |
| 40°-50° | 230.5 | 3.0 |
| 50°-60° | 212.3 | 2.8 |
| 60°-70° | 171.6 | 2.2 |
| 70°-80° | 114.9 | 1.5 |
| 80°-90° | 63.8 | 0.8 |
| 90°-100° | 107.2 | 1.4 |
| 100°-110° | 479.5 | 6.2 |
| 110°-120° | 841.4 | 10.9 |
| 120°-130° | 1068.0 | 13.9 |
| 130°-140° | 1142.7 | 14.8 |
| 140°-150° | 1069.6 | 13.9 |
| 150°-160° | 864.6 | 11.2 |
| 160°-170° | 559.1 | 7.3 |
| 170°-180° | 192.9 | 2.5 |
| 0°-30° | 359.3 | 4.7 |
| 0°-40° | 582.2 | 7.6 |
| 0°-60° | 1025.0 | 13.3 |
| 0°-90° | 1375.4 | 17.9 |
| 90°-120° | 1428.1 | 18.5 |
| 90°-150° | 4708.4 | 61.1 |
| 90°-180° | 6325.0 | 82.1 |
| 0°-180° | 7700.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 471 | 471 | 471 | 471 | 471 | |
| 5° | 471 | 470 | 467 | 471 | 470 | 45 |
| 15° | 450 | 450 | 447 | 450 | 448 | 127 |
| 25° | 409 | 410 | 408 | 409 | 407 | 188 |
| 35° | 354 | 357 | 356 | 357 | 357 | 221 |
| 45° | 292 | 297 | 299 | 302 | 303 | 225 |
| 55° | 224 | 232 | 239 | 244 | 246 | 200 |
| 65° | 154 | 165 | 176 | 183 | 185 | 153 |
| 75° | 85 | 97 | 112 | 121 | 123 | 90 |
| 85° | 25 | 41 | 57 | 67 | 71 | 27 |
| 90° | 9 | 36 | 62 | 80 | 88 | 9 |
| 95° | 92 | 97 | 58 | 75 | 79 | 114 |
| 105° | 447 | 460 | 474 | 483 | 485 | 474 |
| 115° | 834 | 845 | 858 | 860 | 854 | 826 |
| 125° | 1184 | 1194 | 1203 | 1204 | 1202 | 1057 |
| 135° | 1475 | 1483 | 1484 | 1486 | 1480 | 1136 |
| 145° | 1709 | 1711 | 1712 | 1715 | 1708 | 1068 |
| 155° | 1882 | 1873 | 1876 | 1879 | 1868 | 867 |
| 165° | 1986 | 1977 | 1978 | 1986 | 1975 | 561 |
| 175° | 2031 | 2022 | 2023 | 2034 | 2022 | 193 |
| 180° | 2031 | 2031 | 2031 | 2031 | 2031 | |



TEST NUMBER: P333366

CATALOG NUMBER: S125DIW-S375D1560U835-4F0-1E-UDD-D

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 471.4 | 471.4 | 471.4 | 471.4 | 471.4 | 471.4 | 471.4 | 471.4 | 471.4 | 471.4 | 471.4 |
| 2.5° | 472.5 | 472.3 | 472.2 | 472.0 | 471.9 | 471.5 | 470.9 | 470.3 | 469.8 | 469.2 | 469.8 |
| 5° | 471.4 | 471.2 | 471.0 | 470.8 | 470.6 | 470.1 | 469.4 | 468.7 | 468.0 | 467.2 | 468.1 |
| 7.5° | 467.2 | 467.2 | 467.1 | 467.0 | 466.9 | 466.5 | 465.8 | 465.0 | 464.3 | 463.5 | 464.3 |
| 10° | 463.5 | 463.5 | 463.5 | 463.5 | 463.5 | 463.1 | 462.3 | 461.5 | 460.7 | 459.8 | 460.6 |
| 12.5° | 458.4 | 458.5 | 458.5 | 458.6 | 458.7 | 458.4 | 457.8 | 457.1 | 456.4 | 455.8 | 456.3 |
| 15° | 450.1 | 450.2 | 450.3 | 450.5 | 450.6 | 450.2 | 449.5 | 448.8 | 448.1 | 447.4 | 448.0 |
| 17.5° | 439.4 | 439.6 | 439.8 | 440.0 | 440.2 | 440.0 | 439.3 | 438.5 | 437.8 | 437.1 | 437.6 |
| 20° | 431.7 | 431.9 | 432.1 | 432.3 | 432.5 | 432.2 | 431.5 | 430.8 | 430.1 | 429.3 | 429.7 |
| 22.5° | 422.8 | 423.2 | 423.5 | 423.9 | 424.3 | 424.0 | 423.2 | 422.4 | 421.6 | 420.8 | 421.2 |
| 25° | 409.0 | 409.3 | 409.6 | 409.9 | 410.2 | 410.1 | 409.5 | 408.9 | 408.2 | 407.6 | 408.0 |
| 27.5° | 393.7 | 394.1 | 394.6 | 395.0 | 395.5 | 395.4 | 394.7 | 394.0 | 393.3 | 392.6 | 392.8 |
| 30° | 382.2 | 382.8 | 383.4 | 384.1 | 384.7 | 384.7 | 384.1 | 383.4 | 382.8 | 382.2 | 382.4 |
| 32.5° | 371.9 | 372.4 | 372.9 | 373.5 | 374.0 | 374.0 | 373.6 | 373.1 | 372.7 | 372.2 | 372.4 |
| 35° | 354.0 | 354.7 | 355.5 | 356.2 | 356.9 | 357.1 | 356.8 | 356.5 | 356.2 | 355.9 | 356.2 |
| 37.5° | 336.2 | 336.8 | 337.5 | 338.1 | 338.8 | 339.1 | 339.0 | 338.9 | 338.8 | 338.7 | 339.1 |
| 40° | 324.0 | 324.8 | 325.6 | 326.4 | 327.3 | 327.6 | 327.5 | 327.4 | 327.3 | 327.2 | 327.6 |
| 42.5° | 310.7 | 311.7 | 312.8 | 313.9 | 314.9 | 315.6 | 315.8 | 316.0 | 316.3 | 316.5 | 317.0 |
| 45° | 291.6 | 292.8 | 293.9 | 295.0 | 296.1 | 297.0 | 297.5 | 298.0 | 298.5 | 299.0 | 299.7 |
| 47.5° | 272.1 | 273.2 | 274.2 | 275.3 | 276.3 | 277.3 | 278.2 | 279.0 | 279.9 | 280.8 | 281.9 |
| 50° | 258.8 | 259.9 | 261.1 | 262.2 | 263.3 | 264.5 | 265.6 | 266.7 | 267.8 | 269.0 | 270.1 |
| 52.5° | 244.8 | 246.1 | 247.5 | 248.9 | 250.3 | 251.6 | 253.0 | 254.4 | 255.8 | 257.1 | 258.4 |
| 55° | 224.1 | 225.8 | 227.4 | 229.1 | 230.7 | 232.4 | 234.0 | 235.6 | 237.3 | 238.9 | 240.1 |
| 57.5° | 203.1 | 205.0 | 207.0 | 209.0 | 211.0 | 212.9 | 214.8 | 216.7 | 218.6 | 220.4 | 221.7 |
| 60° | 189.0 | 191.1 | 193.1 | 195.2 | 197.2 | 199.3 | 201.3 | 203.4 | 205.5 | 207.5 | 209.0 |
| 62.5° | 175.3 | 177.4 | 179.5 | 181.5 | 183.6 | 185.7 | 187.9 | 190.1 | 192.4 | 194.6 | 196.3 |
| 65° | 154.4 | 156.7 | 159.1 | 161.4 | 163.8 | 166.2 | 168.7 | 171.2 | 173.6 | 176.1 | 177.6 |
| 67.5° | 134.6 | 136.9 | 139.1 | 141.4 | 143.7 | 146.1 | 148.6 | 151.1 | 153.6 | 156.1 | 158.0 |
| 70° | 120.2 | 122.5 | 124.9 | 127.2 | 129.6 | 132.1 | 134.8 | 137.5 | 140.1 | 142.8 | 144.8 |
| 72.5° | 106.1 | 108.6 | 111.0 | 113.4 | 115.9 | 118.6 | 121.5 | 124.4 | 127.3 | 130.2 | 132.4 |
| 75° | 85.0 | 87.7 | 90.4 | 93.0 | 95.7 | 98.7 | 102.0 | 105.3 | 108.6 | 111.8 | 113.9 |
| 77.5° | 64.8 | 67.9 | 71.0 | 74.0 | 77.1 | 80.2 | 83.4 | 86.6 | 89.7 | 92.9 | 95.2 |
| 80° | 52.2 | 55.3 | 58.4 | 61.5 | 64.5 | 67.8 | 71.3 | 74.8 | 78.3 | 81.8 | 84.1 |
| 82.5° | 40.8 | 44.0 | 47.3 | 50.5 | 53.7 | 57.2 | 60.7 | 64.3 | 67.9 | 71.4 | 73.6 |
| 85° | 25.4 | 28.8 | 32.2 | 35.6 | 39.0 | 42.5 | 46.1 | 49.7 | 53.3 | 56.8 | 59.1 |
| 87.5° | 14.7 | 18.5 | 22.4 | 26.2 | 30.0 | 33.9 | 37.9 | 41.8 | 45.8 | 49.7 | 52.4 |
| 90° | 8.9 | 14.9 | 20.8 | 26.8 | 32.8 | 38.6 | 44.5 | 50.3 | 56.1 | 62.0 | 66.0 |
| 92.5° | 29.8 | 31.0 | 32.2 | 33.3 | 34.5 | 37.9 | 43.6 | 49.2 | 54.9 | 60.5 | 64.5 |
| 95° | 91.8 | 93.5 | 95.1 | 96.8 | 98.5 | 94.7 | 85.5 | 76.3 | 67.0 | 57.8 | 61.8 |
| 97.5° | 184.6 | 188.8 | 193.0 | 197.2 | 201.4 | 192.6 | 170.9 | 149.1 | 127.3 | 105.5 | 98.2 |
| 100° | 256.5 | 259.6 | 262.8 | 266.0 | 269.1 | 273.0 | 277.6 | 282.3 | 286.9 | 291.5 | 243.8 |
| 102.5° | 329.6 | 332.8 | 336.1 | 339.4 | 342.6 | 346.3 | 350.3 | 354.3 | 358.3 | 362.3 | 354.9 |
| 105° | 446.7 | 449.7 | 452.7 | 455.7 | 458.7 | 461.7 | 464.8 | 467.9 | 470.9 | 474.0 | 476.1 |
| 107.5° | 568.4 | 569.8 | 571.2 | 572.6 | 574.0 | 576.5 | 580.1 | 583.8 | 587.4 | 591.0 | 593.1 |
| 110° | 647.5 | 648.8 | 650.0 | 651.2 | 652.5 | 654.8 | 658.4 | 661.9 | 665.5 | 669.0 | 670.0 |



TEST NUMBER: P333366

CATALOG NUMBER: S125DIW-S375D1560U835-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 722.2 | 724.0 | 725.8 | 727.6 | 729.3 | 731.8 | 735.0 | 738.2 | 741.4 | 744.6 | 745.2 |
| 115° | 833.7 | 836.1 | 838.5 | 840.9 | 843.3 | 846.0 | 849.0 | 852.0 | 855.0 | 858.0 | 858.5 |
| 117.5° | 949.2 | 949.6 | 950.0 | 950.4 | 950.8 | 952.9 | 956.7 | 960.5 | 964.3 | 968.1 | 968.1 |
| 120° | 1021.4 | 1021.4 | 1021.4 | 1021.4 | 1021.3 | 1023.0 | 1026.4 | 1029.7 | 1033.1 | 1036.5 | 1037.5 |
| 122.5° | 1084.9 | 1086.3 | 1087.7 | 1089.1 | 1090.6 | 1092.6 | 1095.4 | 1098.1 | 1100.9 | 1103.6 | 1104.6 |
| 125° | 1183.6 | 1185.8 | 1188.0 | 1190.3 | 1192.5 | 1194.7 | 1196.7 | 1198.8 | 1200.8 | 1202.9 | 1203.2 |
| 127.5° | 1277.3 | 1278.9 | 1280.5 | 1282.0 | 1283.6 | 1285.1 | 1286.6 | 1288.1 | 1289.6 | 1291.1 | 1291.8 |
| 130° | 1335.1 | 1336.7 | 1338.3 | 1339.8 | 1341.4 | 1343.1 | 1344.9 | 1346.6 | 1348.4 | 1350.2 | 1350.6 |
| 132.5° | 1392.6 | 1394.5 | 1396.4 | 1398.3 | 1400.2 | 1401.4 | 1401.8 | 1402.1 | 1402.5 | 1402.9 | 1404.1 |
| 135° | 1474.7 | 1476.6 | 1478.5 | 1480.4 | 1482.3 | 1483.3 | 1483.3 | 1483.4 | 1483.4 | 1483.5 | 1484.1 |
| 137.5° | 1550.1 | 1551.8 | 1553.5 | 1555.1 | 1556.8 | 1557.5 | 1557.2 | 1557.0 | 1556.7 | 1556.5 | 1557.8 |
| 140° | 1599.1 | 1599.8 | 1600.5 | 1601.2 | 1601.8 | 1602.0 | 1601.8 | 1601.6 | 1601.3 | 1601.1 | 1602.9 |
| 142.5° | 1643.7 | 1644.0 | 1644.3 | 1644.7 | 1645.0 | 1645.4 | 1645.9 | 1646.4 | 1646.9 | 1647.3 | 1648.4 |
| 145° | 1709.0 | 1709.6 | 1710.2 | 1710.7 | 1711.3 | 1711.6 | 1711.6 | 1711.6 | 1711.6 | 1711.6 | 1712.4 |
| 147.5° | 1765.8 | 1765.6 | 1765.5 | 1765.4 | 1765.2 | 1765.4 | 1765.8 | 1766.2 | 1766.6 | 1767.0 | 1767.5 |
| 150° | 1801.9 | 1801.2 | 1800.6 | 1799.9 | 1799.2 | 1799.2 | 1799.9 | 1800.6 | 1801.2 | 1801.9 | 1802.6 |
| 152.5° | 1836.8 | 1835.4 | 1833.9 | 1832.4 | 1830.9 | 1830.5 | 1831.2 | 1831.9 | 1832.6 | 1833.2 | 1833.9 |
| 155° | 1881.7 | 1879.7 | 1877.7 | 1875.7 | 1873.7 | 1873.0 | 1873.7 | 1874.3 | 1875.0 | 1875.7 | 1876.7 |
| 157.5° | 1916.3 | 1915.1 | 1913.9 | 1912.7 | 1911.5 | 1910.9 | 1911.0 | 1911.1 | 1911.1 | 1911.2 | 1912.3 |
| 160° | 1940.4 | 1938.4 | 1936.4 | 1934.4 | 1932.4 | 1931.5 | 1931.9 | 1932.2 | 1932.5 | 1932.9 | 1934.2 |
| 162.5° | 1959.7 | 1957.7 | 1955.7 | 1953.6 | 1951.6 | 1950.8 | 1951.1 | 1951.5 | 1951.8 | 1952.1 | 1954.0 |
| 165° | 1985.6 | 1983.6 | 1981.5 | 1979.5 | 1977.5 | 1976.7 | 1977.0 | 1977.4 | 1977.7 | 1978.0 | 1980.0 |
| 167.5° | 2004.8 | 2002.8 | 2000.7 | 1998.6 | 1996.5 | 1995.7 | 1996.0 | 1996.3 | 1996.7 | 1997.0 | 1999.4 |
| 170° | 2015.7 | 2013.3 | 2011.0 | 2008.6 | 2006.3 | 2005.3 | 2005.6 | 2006.0 | 2006.3 | 2006.6 | 2009.3 |
| 172.5° | 2022.9 | 2020.6 | 2018.2 | 2015.9 | 2013.5 | 2012.7 | 2013.3 | 2013.9 | 2014.5 | 2015.1 | 2017.5 |
| 175° | 2030.7 | 2028.7 | 2026.7 | 2024.7 | 2022.7 | 2021.9 | 2022.2 | 2022.5 | 2022.9 | 2023.2 | 2025.9 |
| 177.5° | 2034.3 | 2032.7 | 2031.1 | 2029.5 | 2027.9 | 2027.2 | 2027.5 | 2027.8 | 2028.0 | 2028.3 | 2030.2 |
| 180° | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 |



TEST NUMBER: P333366

CATALOG NUMBER: S125DIW-S375D1560U835-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 471.4 | 471.4 | 471.4 | 471.4 | 471.4 | 471.4 | 471.4 | 471.4 |
| 2.5° | 470.3 | 470.9 | 471.5 | 471.7 | 471.6 | 471.6 | 471.5 | 471.4 |
| 5° | 468.9 | 469.7 | 470.5 | 470.9 | 470.8 | 470.7 | 470.6 | 470.5 |
| 7.5° | 465.0 | 465.7 | 466.4 | 466.7 | 466.6 | 466.5 | 466.4 | 466.3 |
| 10° | 461.3 | 462.0 | 462.7 | 463.0 | 462.9 | 462.8 | 462.7 | 462.6 |
| 12.5° | 456.9 | 457.4 | 458.0 | 458.1 | 457.9 | 457.6 | 457.3 | 457.1 |
| 15° | 448.6 | 449.2 | 449.8 | 449.9 | 449.5 | 449.1 | 448.7 | 448.3 |
| 17.5° | 438.1 | 438.5 | 439.0 | 439.1 | 438.9 | 438.6 | 438.4 | 438.1 |
| 20° | 430.0 | 430.3 | 430.6 | 430.7 | 430.7 | 430.7 | 430.7 | 430.7 |
| 22.5° | 421.6 | 422.0 | 422.4 | 422.5 | 422.2 | 422.0 | 421.7 | 421.5 |
| 25° | 408.4 | 408.9 | 409.3 | 409.2 | 408.7 | 408.2 | 407.7 | 407.2 |
| 27.5° | 393.1 | 393.4 | 393.7 | 393.8 | 393.6 | 393.4 | 393.2 | 393.0 |
| 30° | 382.6 | 382.8 | 383.0 | 383.1 | 383.0 | 382.9 | 382.8 | 382.7 |
| 32.5° | 372.6 | 372.8 | 373.0 | 373.1 | 373.0 | 372.9 | 372.8 | 372.7 |
| 35° | 356.5 | 356.8 | 357.1 | 357.2 | 357.2 | 357.2 | 357.2 | 357.2 |
| 37.5° | 339.5 | 339.9 | 340.3 | 340.5 | 340.5 | 340.4 | 340.4 | 340.3 |
| 40° | 328.0 | 328.4 | 328.9 | 329.2 | 329.4 | 329.6 | 329.8 | 330.0 |
| 42.5° | 317.5 | 318.0 | 318.5 | 318.7 | 318.8 | 318.8 | 318.8 | 318.9 |
| 45° | 300.5 | 301.2 | 301.9 | 302.3 | 302.4 | 302.5 | 302.6 | 302.7 |
| 47.5° | 282.9 | 284.0 | 285.0 | 285.6 | 285.9 | 286.1 | 286.3 | 286.5 |
| 50° | 271.2 | 272.4 | 273.5 | 274.2 | 274.5 | 274.8 | 275.1 | 275.4 |
| 52.5° | 259.6 | 260.8 | 262.0 | 262.7 | 262.9 | 263.2 | 263.4 | 263.6 |
| 55° | 241.2 | 242.3 | 243.5 | 244.2 | 244.6 | 245.0 | 245.5 | 245.9 |
| 57.5° | 223.0 | 224.3 | 225.6 | 226.4 | 226.7 | 227.0 | 227.4 | 227.7 |
| 60° | 210.6 | 212.1 | 213.7 | 214.6 | 214.9 | 215.2 | 215.5 | 215.8 |
| 62.5° | 198.0 | 199.7 | 201.4 | 202.4 | 202.8 | 203.2 | 203.6 | 204.0 |
| 65° | 179.2 | 180.7 | 182.2 | 183.2 | 183.6 | 184.0 | 184.5 | 184.9 |
| 67.5° | 159.9 | 161.7 | 163.6 | 164.8 | 165.3 | 165.9 | 166.4 | 166.9 |
| 70° | 146.7 | 148.7 | 150.6 | 151.9 | 152.5 | 153.1 | 153.7 | 154.4 |
| 72.5° | 134.5 | 136.6 | 138.7 | 140.0 | 140.4 | 140.9 | 141.3 | 141.8 |
| 75° | 116.0 | 118.0 | 120.1 | 121.3 | 121.9 | 122.4 | 122.9 | 123.4 |
| 77.5° | 97.4 | 99.7 | 101.9 | 103.3 | 103.7 | 104.1 | 104.5 | 104.9 |
| 80° | 86.3 | 88.6 | 90.8 | 92.2 | 92.6 | 93.0 | 93.4 | 93.8 |
| 82.5° | 75.8 | 78.0 | 80.2 | 81.6 | 82.4 | 83.1 | 83.8 | 84.6 |
| 85° | 61.4 | 63.6 | 65.9 | 67.4 | 68.2 | 69.1 | 69.9 | 70.7 |
| 87.5° | 55.1 | 57.8 | 60.5 | 62.3 | 63.3 | 64.2 | 65.1 | 66.0 |
| 90° | 70.1 | 74.1 | 78.1 | 81.0 | 82.7 | 84.4 | 86.2 | 87.9 |
| 92.5° | 68.4 | 72.4 | 76.3 | 78.9 | 80.1 | 81.3 | 82.4 | 83.6 |
| 95° | 65.7 | 69.6 | 73.6 | 75.9 | 76.6 | 77.3 | 78.0 | 78.8 |
| 97.5° | 90.9 | 83.7 | 76.4 | 73.1 | 73.8 | 74.5 | 75.2 | 75.9 |
| 100° | 196.1 | 148.4 | 100.8 | 76.6 | 75.8 | 75.1 | 74.4 | 73.7 |
| 102.5° | 347.6 | 340.2 | 332.9 | 318.1 | 296.0 | 273.8 | 251.7 | 229.6 |
| 105° | 478.1 | 480.2 | 482.2 | 483.4 | 483.8 | 484.2 | 484.6 | 485.0 |
| 107.5° | 595.2 | 597.3 | 599.4 | 600.3 | 599.9 | 599.6 | 599.2 | 598.8 |
| 110° | 670.9 | 671.9 | 672.8 | 673.8 | 674.9 | 675.9 | 677.0 | 678.0 |



TEST NUMBER: P333366

CATALOG NUMBER: S125DIW-S375D1560U835-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 745.8 | 746.4 | 747.0 | 747.4 | 747.7 | 747.9 | 748.2 | 748.4 |
| 115° | 859.0 | 859.5 | 860.1 | 859.6 | 858.2 | 856.8 | 855.4 | 854.0 |
| 117.5° | 968.1 | 968.1 | 968.1 | 968.0 | 967.9 | 967.7 | 967.5 | 967.3 |
| 120° | 1038.6 | 1039.7 | 1040.8 | 1040.8 | 1039.7 | 1038.7 | 1037.6 | 1036.6 |
| 122.5° | 1105.6 | 1106.6 | 1107.6 | 1107.4 | 1106.1 | 1104.8 | 1103.5 | 1102.1 |
| 125° | 1203.5 | 1203.8 | 1204.1 | 1204.0 | 1203.5 | 1203.0 | 1202.5 | 1202.0 |
| 127.5° | 1292.6 | 1293.4 | 1294.2 | 1293.7 | 1291.8 | 1289.9 | 1288.0 | 1286.1 |
| 130° | 1351.0 | 1351.5 | 1351.9 | 1351.5 | 1350.4 | 1349.2 | 1348.1 | 1346.9 |
| 132.5° | 1405.4 | 1406.6 | 1407.8 | 1407.8 | 1406.6 | 1405.3 | 1404.1 | 1402.9 |
| 135° | 1484.8 | 1485.5 | 1486.1 | 1485.7 | 1484.2 | 1482.7 | 1481.2 | 1479.7 |
| 137.5° | 1559.2 | 1560.5 | 1561.8 | 1561.9 | 1560.5 | 1559.2 | 1557.9 | 1556.5 |
| 140° | 1604.7 | 1606.5 | 1608.3 | 1608.4 | 1606.8 | 1605.2 | 1603.6 | 1602.0 |
| 142.5° | 1649.5 | 1650.6 | 1651.7 | 1651.5 | 1649.9 | 1648.3 | 1646.7 | 1645.1 |
| 145° | 1713.3 | 1714.1 | 1715.0 | 1714.6 | 1713.0 | 1711.4 | 1709.8 | 1708.2 |
| 147.5° | 1768.1 | 1768.7 | 1769.2 | 1768.4 | 1766.2 | 1764.0 | 1761.7 | 1759.5 |
| 150° | 1803.2 | 1803.9 | 1804.6 | 1803.6 | 1801.1 | 1798.5 | 1795.9 | 1793.3 |
| 152.5° | 1834.6 | 1835.2 | 1835.9 | 1835.0 | 1832.6 | 1830.3 | 1827.9 | 1825.5 |
| 155° | 1877.7 | 1878.7 | 1879.7 | 1878.8 | 1876.2 | 1873.5 | 1870.8 | 1868.1 |
| 157.5° | 1913.3 | 1914.4 | 1915.5 | 1914.7 | 1912.0 | 1909.3 | 1906.6 | 1904.0 |
| 160° | 1935.5 | 1936.9 | 1938.2 | 1937.6 | 1934.9 | 1932.2 | 1929.5 | 1926.9 |
| 162.5° | 1955.9 | 1957.8 | 1959.6 | 1959.1 | 1956.2 | 1953.2 | 1950.3 | 1947.3 |
| 165° | 1982.0 | 1984.1 | 1986.1 | 1985.7 | 1983.1 | 1980.4 | 1977.7 | 1975.0 |
| 167.5° | 2001.8 | 2004.2 | 2006.6 | 2006.3 | 2003.3 | 2000.3 | 1997.3 | 1994.3 |
| 170° | 2012.0 | 2014.7 | 2017.3 | 2017.2 | 2014.2 | 2011.2 | 2008.1 | 2005.1 |
| 172.5° | 2019.9 | 2022.3 | 2024.7 | 2024.4 | 2021.4 | 2018.4 | 2015.4 | 2012.4 |
| 175° | 2028.5 | 2031.2 | 2033.9 | 2033.7 | 2030.7 | 2027.7 | 2024.7 | 2021.7 |
| 177.5° | 2032.1 | 2033.9 | 2035.8 | 2035.7 | 2033.5 | 2031.4 | 2029.2 | 2027.1 |
| 180° | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 | 2030.7 |

(END OF REPORT)