

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: P333363-830

Luminaire Tested: **S125DIW-S375D1340U830-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333363-830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIW-S375D1340U830-4F0-1E-UDD-F1
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5820.2 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.18 / 1.31
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Semi-Indirect

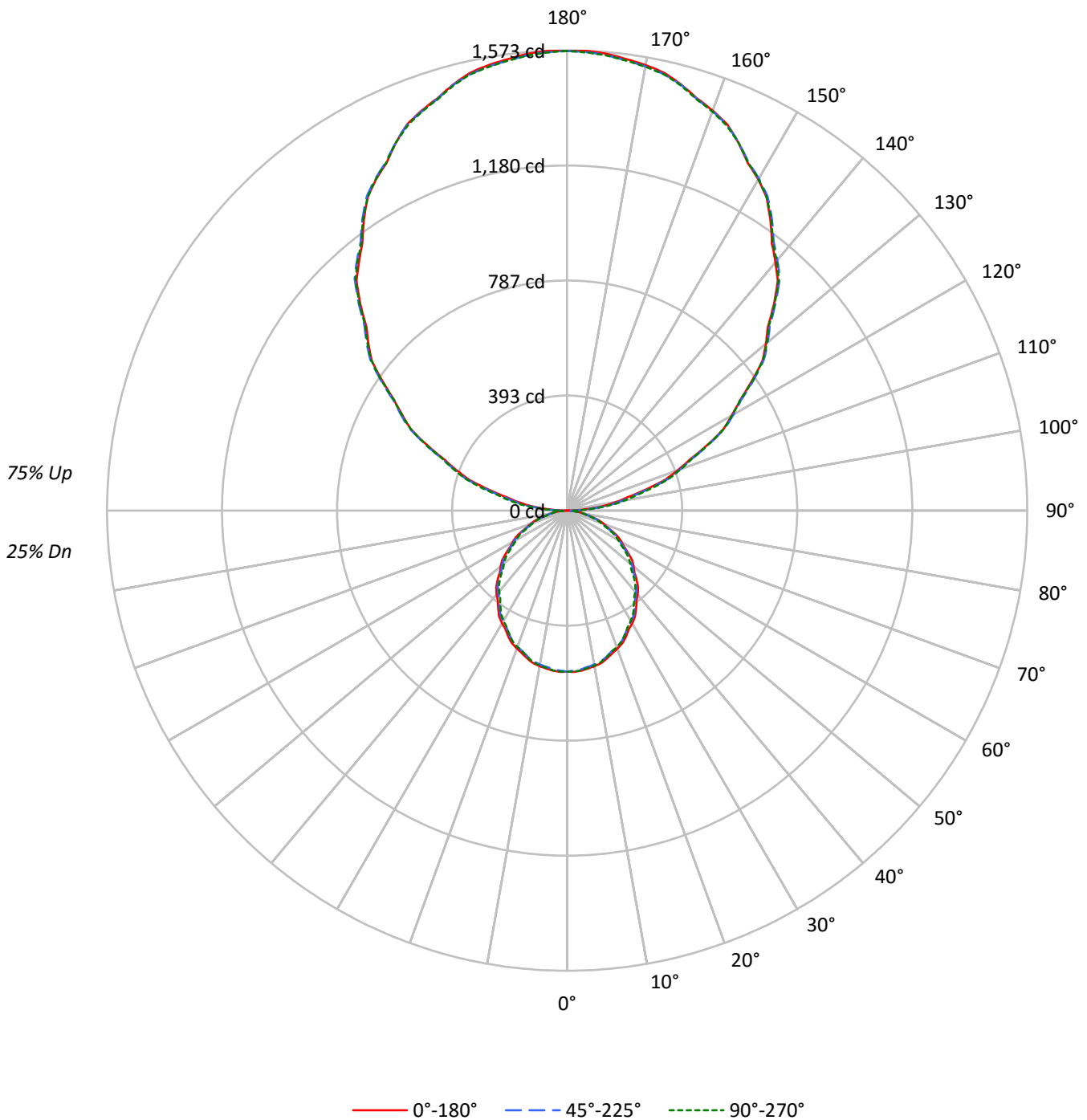
Input Watts (W): 46.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333363-830

CATALOG NUMBER: S125DIW-S375D1340U830-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P333363-830

CATALOG NUMBER: S125DIW-S375D1340U830-4F0-1E-UDD-F1

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 | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 69 | 69 | 69 | 50 | 50 | 50 | 33 | 33 | 33 | 25 |
| 1 | 92 | 88 | 84 | 81 | 82 | 78 | 75 | 72 | 60 | 58 | 57 | 44 | 43 | 42 | 29 | 28 | 28 | 21 |
| 2 | 84 | 77 | 71 | 66 | 74 | 68 | 63 | 59 | 53 | 50 | 47 | 39 | 37 | 35 | 25 | 24 | 23 | 17 |
| 3 | 76 | 67 | 60 | 55 | 68 | 60 | 54 | 49 | 47 | 43 | 39 | 34 | 31 | 29 | 22 | 21 | 20 | 15 |
| 4 | 70 | 59 | 52 | 46 | 62 | 53 | 47 | 42 | 41 | 37 | 33 | 30 | 27 | 25 | 20 | 18 | 17 | 13 |
| 5 | 64 | 53 | 45 | 39 | 57 | 47 | 41 | 36 | 37 | 32 | 28 | 27 | 24 | 22 | 18 | 16 | 15 | 11 |
| 6 | 59 | 47 | 39 | 34 | 52 | 42 | 36 | 31 | 33 | 28 | 25 | 24 | 21 | 19 | 16 | 14 | 13 | 10 |
| 7 | 54 | 42 | 35 | 29 | 48 | 38 | 31 | 27 | 30 | 25 | 22 | 22 | 19 | 16 | 15 | 13 | 11 | 8 |
| 8 | 50 | 38 | 31 | 26 | 44 | 34 | 28 | 24 | 27 | 22 | 19 | 20 | 17 | 15 | 14 | 12 | 10 | 8 |
| 9 | 47 | 35 | 28 | 23 | 41 | 31 | 25 | 21 | 25 | 20 | 17 | 18 | 15 | 13 | 13 | 11 | 9 | 7 |
| 10 | 43 | 32 | 25 | 20 | 39 | 29 | 23 | 19 | 23 | 18 | 15 | 17 | 14 | 12 | 12 | 10 | 8 | 6 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3556 | 3556 | 3556 |
| 5° | 3564 | 3530 | 3553 |
| 10° | 3543 | 3505 | 3525 |
| 15° | 3504 | 3463 | 3477 |
| 20° | 3449 | 3404 | 3410 |
| 25° | 3390 | 3334 | 3331 |
| 30° | 3317 | 3258 | 3242 |
| 35° | 3239 | 3177 | 3132 |
| 40° | 3159 | 3089 | 3044 |
| 45° | 3072 | 3008 | 2948 |
| 50° | 2976 | 2910 | 2823 |
| 55° | 2884 | 2800 | 2723 |
| 60° | 2773 | 2689 | 2595 |
| 65° | 2644 | 2557 | 2470 |
| 70° | 2517 | 2402 | 2319 |
| 75° | 2293 | 2218 | 2141 |
| 80° | 2042 | 2008 | 1960 |
| 85° | 1771 | 1808 | 1712 |



TEST NUMBER: P333363-830

CATALOG NUMBER: S125DIW-S375D1340U830-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 51.9 | 0.9 |
| 10°-20° | 146.6 | 2.5 |
| 20°-30° | 216.5 | 3.7 |
| 30°-40° | 252.7 | 4.3 |
| 40°-50° | 253.8 | 4.4 |
| 50°-60° | 222.8 | 3.8 |
| 60°-70° | 166.0 | 2.9 |
| 70°-80° | 94.9 | 1.6 |
| 80°-90° | 31.0 | 0.5 |
| 90°-100° | 105.2 | 1.8 |
| 100°-110° | 310.7 | 5.3 |
| 110°-120° | 526.3 | 9.0 |
| 120°-130° | 692.7 | 11.9 |
| 130°-140° | 776.1 | 13.3 |
| 140°-150° | 760.7 | 13.1 |
| 150°-160° | 638.9 | 11.0 |
| 160°-170° | 424.7 | 7.3 |
| 170°-180° | 148.6 | 2.6 |
| 0°-30° | 415.1 | 7.1 |
| 0°-40° | 667.8 | 11.5 |
| 0°-60° | 1144.3 | 19.7 |
| 0°-90° | 1436.2 | 24.7 |
| 90°-120° | 942.3 | 16.2 |
| 90°-150° | 3171.8 | 54.5 |
| 90°-180° | 4384.0 | 75.3 |
| 0°-180° | 5820.2 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|------|-------|------|-------|------|------|
| 0° | 551 | 551 | 551 | 551 | 551 | |
| 5° | 550 | 549 | 544 | 548 | 548 | 52 |
| 15° | 524 | 522 | 518 | 520 | 520 | 148 |
| 25° | 476 | 473 | 468 | 469 | 467 | 219 |
| 35° | 411 | 409 | 403 | 401 | 397 | 257 |
| 45° | 336 | 334 | 329 | 324 | 323 | 259 |
| 55° | 256 | 255 | 249 | 245 | 242 | 229 |
| 65° | 173 | 172 | 167 | 164 | 162 | 172 |
| 75° | 92 | 91 | 89 | 88 | 86 | 98 |
| 85° | 24 | 24 | 24 | 24 | 23 | 27 |
| 90° | 1 | 11 | 20 | 26 | 29 | 6 |
| 95° | 80 | 82 | 94 | 102 | 105 | 85 |
| 105° | 279 | 285 | 292 | 299 | 303 | 298 |
| 115° | 527 | 532 | 534 | 533 | 532 | 521 |
| 125° | 769 | 776 | 778 | 775 | 774 | 688 |
| 135° | 1000 | 1007 | 1009 | 1008 | 1004 | 771 |
| 145° | 1212 | 1216 | 1220 | 1220 | 1216 | 757 |
| 155° | 1386 | 1387 | 1388 | 1392 | 1386 | 638 |
| 165° | 1508 | 1505 | 1506 | 1510 | 1504 | 425 |
| 175° | 1567 | 1563 | 1562 | 1569 | 1561 | 149 |
| 180° | 1571 | 1571 | 1571 | 1571 | 1571 | |



TEST NUMBER: P333363-830

CATALOG NUMBER: S125DIW-S375D1340U830-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 |
| 2.5° | 552.0 | 551.8 | 551.6 | 551.3 | 551.1 | 550.5 | 549.8 | 549.0 | 548.3 | 547.4 | 548.3 |
| 5° | 549.7 | 549.5 | 549.3 | 549.1 | 548.9 | 548.4 | 547.4 | 546.5 | 545.4 | 544.5 | 545.4 |
| 7.5° | 544.7 | 544.5 | 544.3 | 544.1 | 543.9 | 543.3 | 542.2 | 541.1 | 540.1 | 539.0 | 539.9 |
| 10° | 540.2 | 540.0 | 539.8 | 539.6 | 539.4 | 538.8 | 537.7 | 536.6 | 535.6 | 534.5 | 535.3 |
| 12.5° | 534.6 | 534.2 | 533.9 | 533.6 | 533.2 | 532.5 | 531.5 | 530.6 | 529.5 | 528.6 | 529.1 |
| 15° | 524.1 | 523.8 | 523.5 | 523.2 | 522.8 | 522.2 | 521.1 | 520.1 | 519.0 | 517.9 | 518.4 |
| 17.5° | 511.9 | 511.5 | 511.0 | 510.7 | 510.2 | 509.4 | 508.3 | 507.3 | 506.1 | 505.0 | 505.7 |
| 20° | 501.8 | 501.6 | 501.4 | 501.2 | 501.1 | 500.3 | 499.1 | 497.8 | 496.5 | 495.3 | 496.0 |
| 22.5° | 491.7 | 491.3 | 491.0 | 490.7 | 490.3 | 489.6 | 488.3 | 487.2 | 486.0 | 484.8 | 485.3 |
| 25° | 475.7 | 475.2 | 474.7 | 474.2 | 473.7 | 472.9 | 471.6 | 470.3 | 469.1 | 467.9 | 468.1 |
| 27.5° | 456.9 | 456.7 | 456.4 | 456.1 | 455.8 | 455.0 | 453.7 | 452.4 | 451.1 | 449.8 | 449.9 |
| 30° | 444.8 | 444.5 | 444.1 | 443.8 | 443.6 | 442.7 | 441.3 | 439.8 | 438.4 | 436.9 | 436.7 |
| 32.5° | 431.5 | 431.0 | 430.6 | 430.2 | 429.7 | 428.9 | 427.5 | 426.2 | 425.0 | 423.7 | 423.3 |
| 35° | 410.8 | 410.4 | 410.0 | 409.6 | 409.3 | 408.3 | 407.0 | 405.7 | 404.3 | 402.9 | 402.5 |
| 37.5° | 389.3 | 388.8 | 388.3 | 387.8 | 387.3 | 386.4 | 385.1 | 383.9 | 382.6 | 381.4 | 380.6 |
| 40° | 374.7 | 374.1 | 373.6 | 373.2 | 372.7 | 371.7 | 370.4 | 369.1 | 367.7 | 366.4 | 365.5 |
| 42.5° | 358.9 | 358.5 | 358.2 | 357.7 | 357.3 | 356.5 | 355.1 | 353.7 | 352.3 | 351.0 | 350.2 |
| 45° | 336.3 | 335.9 | 335.5 | 335.2 | 334.7 | 333.9 | 332.8 | 331.7 | 330.5 | 329.3 | 328.2 |
| 47.5° | 311.9 | 311.9 | 311.9 | 312.0 | 312.0 | 311.3 | 309.9 | 308.5 | 307.1 | 305.7 | 304.5 |
| 50° | 296.2 | 296.0 | 295.7 | 295.3 | 295.0 | 294.4 | 293.1 | 292.0 | 290.9 | 289.6 | 288.4 |
| 52.5° | 280.2 | 279.9 | 279.7 | 279.6 | 279.4 | 278.6 | 277.4 | 276.2 | 274.8 | 273.6 | 272.6 |
| 55° | 256.1 | 255.8 | 255.5 | 255.2 | 255.0 | 254.1 | 252.8 | 251.5 | 250.1 | 248.7 | 247.9 |
| 57.5° | 230.8 | 230.6 | 230.5 | 230.4 | 230.2 | 229.5 | 228.4 | 227.2 | 226.1 | 225.0 | 223.9 |
| 60° | 214.7 | 214.3 | 214.0 | 213.6 | 213.2 | 212.4 | 211.4 | 210.4 | 209.2 | 208.2 | 207.3 |
| 62.5° | 198.0 | 197.7 | 197.4 | 197.1 | 196.8 | 196.1 | 195.3 | 194.4 | 193.4 | 192.6 | 191.5 |
| 65° | 173.0 | 172.8 | 172.6 | 172.4 | 172.2 | 171.5 | 170.5 | 169.4 | 168.3 | 167.3 | 166.4 |
| 67.5° | 148.6 | 148.3 | 147.8 | 147.4 | 147.0 | 146.4 | 145.6 | 144.8 | 144.0 | 143.3 | 142.5 |
| 70° | 133.3 | 132.8 | 132.3 | 131.9 | 131.4 | 130.6 | 129.8 | 128.9 | 128.1 | 127.2 | 126.6 |
| 72.5° | 116.6 | 116.2 | 115.9 | 115.6 | 115.3 | 114.8 | 114.2 | 113.7 | 113.1 | 112.5 | 111.9 |
| 75° | 91.9 | 91.7 | 91.5 | 91.3 | 91.1 | 90.8 | 90.3 | 89.8 | 89.4 | 88.9 | 88.6 |
| 77.5° | 69.2 | 69.1 | 69.0 | 68.9 | 68.9 | 68.7 | 68.4 | 68.1 | 67.9 | 67.6 | 67.4 |
| 80° | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.8 | 54.6 | 54.4 | 54.2 | 54.0 | 53.9 |
| 82.5° | 42.3 | 42.2 | 42.0 | 41.8 | 41.8 | 41.7 | 41.6 | 41.6 | 41.5 | 41.5 | 41.3 |
| 85° | 23.9 | 24.0 | 24.1 | 24.2 | 24.3 | 24.4 | 24.4 | 24.4 | 24.4 | 24.4 | 24.3 |
| 87.5° | 9.6 | 10.1 | 10.6 | 10.9 | 11.4 | 11.8 | 12.1 | 12.3 | 12.6 | 13.0 | 13.3 |
| 90° | 1.2 | 3.4 | 5.6 | 7.7 | 9.9 | 12.0 | 13.9 | 15.7 | 17.6 | 19.6 | 20.9 |
| 92.5° | 29.6 | 31.1 | 32.6 | 34.1 | 35.6 | 37.6 | 40.0 | 42.3 | 44.6 | 46.9 | 48.7 |
| 95° | 79.5 | 80.0 | 80.6 | 81.1 | 81.6 | 83.3 | 86.0 | 88.7 | 91.4 | 94.2 | 96.0 |
| 97.5° | 132.1 | 132.2 | 132.5 | 132.7 | 132.9 | 134.9 | 138.6 | 142.4 | 146.2 | 149.9 | 151.7 |
| 100° | 171.2 | 171.2 | 171.2 | 171.2 | 171.2 | 173.0 | 176.4 | 180.0 | 183.5 | 187.1 | 189.5 |
| 102.5° | 213.2 | 214.3 | 215.4 | 216.5 | 217.5 | 219.0 | 220.8 | 222.6 | 224.4 | 226.2 | 228.8 |
| 105° | 278.8 | 280.1 | 281.4 | 282.9 | 284.2 | 285.7 | 287.3 | 289.0 | 290.6 | 292.2 | 293.9 |
| 107.5° | 351.1 | 352.5 | 353.8 | 355.2 | 356.6 | 357.9 | 359.1 | 360.3 | 361.7 | 362.9 | 363.7 |
| 110° | 401.1 | 402.4 | 403.8 | 405.1 | 406.4 | 407.6 | 408.4 | 409.2 | 410.0 | 410.8 | 411.6 |



TEST NUMBER: P333363-830

CATALOG NUMBER: S125DIW-S375D1340U830-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 451.9 | 452.6 | 453.3 | 454.0 | 454.7 | 455.6 | 456.6 | 457.6 | 458.6 | 459.7 | 460.1 |
| 115° | 527.0 | 528.0 | 529.1 | 530.2 | 531.3 | 532.2 | 532.6 | 533.2 | 533.8 | 534.3 | 534.0 |
| 117.5° | 602.3 | 602.8 | 603.2 | 603.7 | 604.3 | 604.7 | 605.2 | 605.7 | 606.1 | 606.7 | 606.9 |
| 120° | 649.2 | 650.5 | 652.0 | 653.3 | 654.7 | 655.4 | 655.7 | 656.0 | 656.3 | 656.6 | 656.6 |
| 122.5° | 700.1 | 700.6 | 701.1 | 701.5 | 702.0 | 702.7 | 703.3 | 704.1 | 704.7 | 705.5 | 705.2 |
| 125° | 769.0 | 770.6 | 772.3 | 773.9 | 775.5 | 776.5 | 776.7 | 777.0 | 777.3 | 777.6 | 777.0 |
| 127.5° | 842.4 | 843.3 | 844.2 | 845.2 | 846.1 | 846.7 | 847.1 | 847.3 | 847.7 | 848.0 | 847.7 |
| 130° | 886.4 | 887.8 | 889.1 | 890.5 | 891.8 | 892.8 | 893.3 | 893.9 | 894.4 | 894.9 | 894.7 |
| 132.5° | 930.4 | 932.6 | 934.9 | 937.1 | 939.3 | 940.4 | 940.3 | 940.2 | 940.1 | 940.0 | 939.7 |
| 135° | 1000.1 | 1001.7 | 1003.3 | 1005.0 | 1006.6 | 1007.6 | 1007.9 | 1008.1 | 1008.4 | 1008.7 | 1008.7 |
| 137.5° | 1065.6 | 1067.2 | 1068.8 | 1070.4 | 1072.0 | 1073.0 | 1073.7 | 1074.2 | 1074.9 | 1075.4 | 1075.7 |
| 140° | 1107.7 | 1109.1 | 1110.4 | 1111.8 | 1113.1 | 1114.2 | 1115.0 | 1115.9 | 1116.6 | 1117.5 | 1118.0 |
| 142.5° | 1149.8 | 1150.9 | 1152.1 | 1153.2 | 1154.3 | 1155.4 | 1156.4 | 1157.4 | 1158.5 | 1159.5 | 1159.9 |
| 145° | 1211.6 | 1212.7 | 1213.8 | 1214.8 | 1216.0 | 1216.9 | 1217.8 | 1218.5 | 1219.4 | 1220.2 | 1220.2 |
| 147.5° | 1268.9 | 1269.4 | 1270.1 | 1270.6 | 1271.2 | 1271.9 | 1272.5 | 1273.2 | 1273.8 | 1274.5 | 1275.2 |
| 150° | 1307.0 | 1306.7 | 1306.5 | 1306.2 | 1305.9 | 1306.3 | 1307.4 | 1308.5 | 1309.6 | 1310.7 | 1310.7 |
| 152.5° | 1338.3 | 1338.7 | 1339.1 | 1339.4 | 1339.8 | 1340.2 | 1340.7 | 1341.0 | 1341.5 | 1342.0 | 1342.7 |
| 155° | 1386.5 | 1386.5 | 1386.5 | 1386.5 | 1386.5 | 1386.6 | 1386.9 | 1387.1 | 1387.4 | 1387.7 | 1388.7 |
| 157.5° | 1429.5 | 1428.9 | 1428.3 | 1427.7 | 1427.1 | 1426.9 | 1427.2 | 1427.5 | 1427.8 | 1428.0 | 1429.1 |
| 160° | 1454.9 | 1454.2 | 1453.3 | 1452.5 | 1451.7 | 1451.4 | 1451.7 | 1452.0 | 1452.2 | 1452.5 | 1453.6 |
| 162.5° | 1477.4 | 1476.9 | 1476.2 | 1475.6 | 1475.1 | 1474.8 | 1474.8 | 1474.9 | 1474.9 | 1475.0 | 1476.3 |
| 165° | 1507.5 | 1506.9 | 1506.4 | 1505.9 | 1505.3 | 1505.2 | 1505.4 | 1505.7 | 1506.0 | 1506.3 | 1507.4 |
| 167.5° | 1533.0 | 1531.8 | 1530.8 | 1529.7 | 1528.6 | 1528.0 | 1528.0 | 1528.0 | 1528.0 | 1528.0 | 1529.7 |
| 170° | 1546.6 | 1545.6 | 1544.5 | 1543.4 | 1542.3 | 1541.7 | 1541.7 | 1541.7 | 1541.7 | 1541.7 | 1543.4 |
| 172.5° | 1556.4 | 1555.3 | 1554.3 | 1553.1 | 1552.1 | 1551.5 | 1551.5 | 1551.5 | 1551.5 | 1551.5 | 1553.1 |
| 175° | 1567.4 | 1566.3 | 1565.3 | 1564.1 | 1563.1 | 1562.5 | 1562.5 | 1562.5 | 1562.5 | 1562.5 | 1564.1 |
| 177.5° | 1573.0 | 1572.2 | 1571.3 | 1570.5 | 1569.5 | 1569.1 | 1568.8 | 1568.6 | 1568.4 | 1568.1 | 1569.4 |
| 180° | 1571.1 | 1571.1 | 1571.1 | 1571.1 | 1571.1 | 1571.1 | 1571.1 | 1571.1 | 1571.1 | 1571.1 | 1571.1 |



TEST NUMBER: P333363-830

CATALOG NUMBER: S125DIW-S375D1340U830-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 | 550.6 |
| 2.5° | 549.0 | 549.8 | 550.5 | 550.9 | 550.8 | 550.7 | 550.7 | 550.6 |
| 5° | 546.2 | 547.1 | 548.0 | 548.4 | 548.3 | 548.2 | 548.1 | 548.0 |
| 7.5° | 540.7 | 541.6 | 542.4 | 542.8 | 542.7 | 542.6 | 542.5 | 542.4 |
| 10° | 536.0 | 536.8 | 537.6 | 537.9 | 537.8 | 537.7 | 537.6 | 537.5 |
| 12.5° | 529.8 | 530.5 | 531.0 | 531.3 | 531.3 | 531.3 | 531.3 | 531.2 |
| 15° | 518.9 | 519.3 | 519.9 | 520.1 | 520.1 | 520.1 | 520.1 | 520.1 |
| 17.5° | 506.2 | 506.8 | 507.5 | 507.5 | 507.0 | 506.5 | 506.1 | 505.6 |
| 20° | 496.6 | 497.3 | 497.9 | 498.1 | 497.6 | 497.1 | 496.6 | 496.2 |
| 22.5° | 485.7 | 486.2 | 486.6 | 486.6 | 486.4 | 486.0 | 485.7 | 485.3 |
| 25° | 468.3 | 468.4 | 468.6 | 468.5 | 468.3 | 468.0 | 467.7 | 467.4 |
| 27.5° | 449.9 | 449.9 | 450.0 | 449.9 | 449.5 | 449.2 | 448.9 | 448.7 |
| 30° | 436.5 | 436.3 | 436.1 | 435.9 | 435.6 | 435.4 | 435.0 | 434.7 |
| 32.5° | 423.0 | 422.6 | 422.3 | 421.9 | 421.3 | 420.8 | 420.3 | 419.7 |
| 35° | 402.0 | 401.5 | 401.0 | 400.4 | 399.6 | 398.8 | 398.0 | 397.3 |
| 37.5° | 379.9 | 379.2 | 378.4 | 377.9 | 377.4 | 377.0 | 376.5 | 376.1 |
| 40° | 364.6 | 363.7 | 362.9 | 362.3 | 362.0 | 361.7 | 361.4 | 361.1 |
| 42.5° | 349.4 | 348.6 | 347.8 | 347.2 | 346.8 | 346.3 | 345.9 | 345.4 |
| 45° | 327.0 | 325.8 | 324.7 | 324.0 | 323.7 | 323.4 | 323.1 | 322.8 |
| 47.5° | 303.3 | 302.2 | 301.0 | 300.0 | 299.4 | 298.7 | 298.0 | 297.4 |
| 50° | 287.2 | 285.9 | 284.6 | 283.7 | 283.0 | 282.3 | 281.6 | 281.0 |
| 52.5° | 271.5 | 270.3 | 269.2 | 268.3 | 267.6 | 266.8 | 266.1 | 265.3 |
| 55° | 246.9 | 246.1 | 245.2 | 244.5 | 243.8 | 243.1 | 242.4 | 241.8 |
| 57.5° | 222.7 | 221.6 | 220.5 | 219.7 | 219.3 | 219.0 | 218.6 | 218.2 |
| 60° | 206.3 | 205.3 | 204.3 | 203.5 | 202.8 | 202.2 | 201.5 | 200.9 |
| 62.5° | 190.5 | 189.4 | 188.3 | 187.6 | 187.1 | 186.5 | 186.0 | 185.5 |
| 65° | 165.5 | 164.7 | 163.8 | 163.2 | 162.8 | 162.4 | 162.0 | 161.6 |
| 67.5° | 141.8 | 141.0 | 140.3 | 139.8 | 139.6 | 139.3 | 139.1 | 138.8 |
| 70° | 126.0 | 125.5 | 124.9 | 124.4 | 124.0 | 123.7 | 123.2 | 122.8 |
| 72.5° | 111.2 | 110.6 | 109.9 | 109.4 | 109.1 | 108.7 | 108.2 | 107.8 |
| 75° | 88.3 | 88.0 | 87.7 | 87.4 | 87.0 | 86.6 | 86.2 | 85.8 |
| 77.5° | 67.3 | 67.1 | 66.9 | 66.7 | 66.4 | 66.2 | 65.9 | 65.6 |
| 80° | 53.8 | 53.7 | 53.6 | 53.4 | 53.3 | 53.1 | 52.9 | 52.7 |
| 82.5° | 41.1 | 40.9 | 40.8 | 40.6 | 40.6 | 40.6 | 40.5 | 40.5 |
| 85° | 24.2 | 24.1 | 24.0 | 23.8 | 23.7 | 23.5 | 23.3 | 23.1 |
| 87.5° | 13.5 | 13.8 | 14.0 | 14.2 | 14.2 | 14.2 | 14.2 | 14.2 |
| 90° | 22.2 | 23.7 | 25.0 | 26.1 | 26.9 | 27.7 | 28.6 | 29.3 |
| 92.5° | 50.5 | 52.3 | 54.1 | 55.3 | 55.9 | 56.6 | 57.1 | 57.7 |
| 95° | 97.9 | 99.8 | 101.8 | 102.9 | 103.5 | 104.1 | 104.6 | 105.2 |
| 97.5° | 153.4 | 155.2 | 157.0 | 158.2 | 158.4 | 158.8 | 159.1 | 159.5 |
| 100° | 192.0 | 194.4 | 196.8 | 198.3 | 198.9 | 199.4 | 200.0 | 200.5 |
| 102.5° | 231.5 | 234.1 | 236.9 | 238.6 | 239.3 | 240.1 | 240.8 | 241.6 |
| 105° | 295.5 | 297.1 | 298.7 | 299.9 | 300.8 | 301.6 | 302.4 | 303.2 |
| 107.5° | 364.5 | 365.3 | 366.2 | 366.6 | 366.5 | 366.4 | 366.4 | 366.3 |
| 110° | 412.5 | 413.2 | 414.1 | 414.3 | 414.1 | 413.8 | 413.5 | 413.2 |



TEST NUMBER: P333363-830

CATALOG NUMBER: S125DIW-S375D1340U830-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 460.4 | 460.8 | 461.2 | 461.2 | 460.7 | 460.2 | 459.7 | 459.2 |
| 115° | 533.8 | 533.5 | 533.2 | 532.9 | 532.6 | 532.3 | 532.2 | 531.9 |
| 117.5° | 607.1 | 607.3 | 607.6 | 607.1 | 606.1 | 604.9 | 603.9 | 602.8 |
| 120° | 656.6 | 656.6 | 656.6 | 656.0 | 654.9 | 653.8 | 652.7 | 651.7 |
| 122.5° | 705.0 | 704.8 | 704.6 | 704.1 | 703.1 | 702.3 | 701.4 | 700.6 |
| 125° | 776.5 | 776.0 | 775.4 | 775.1 | 774.8 | 774.5 | 774.2 | 773.9 |
| 127.5° | 847.4 | 847.2 | 847.0 | 846.5 | 846.0 | 845.5 | 844.9 | 844.3 |
| 130° | 894.4 | 894.2 | 893.9 | 893.4 | 893.0 | 892.4 | 891.8 | 891.3 |
| 132.5° | 939.4 | 939.1 | 938.9 | 938.4 | 937.6 | 936.8 | 936.0 | 935.3 |
| 135° | 1008.7 | 1008.7 | 1008.7 | 1008.1 | 1007.0 | 1006.0 | 1004.8 | 1003.8 |
| 137.5° | 1076.1 | 1076.4 | 1076.8 | 1076.2 | 1074.9 | 1073.5 | 1072.1 | 1070.8 |
| 140° | 1118.6 | 1119.1 | 1119.6 | 1119.3 | 1117.9 | 1116.5 | 1115.2 | 1113.8 |
| 142.5° | 1160.2 | 1160.6 | 1160.8 | 1160.4 | 1159.0 | 1157.6 | 1156.2 | 1154.9 |
| 145° | 1220.2 | 1220.2 | 1220.2 | 1219.7 | 1219.0 | 1218.1 | 1217.3 | 1216.5 |
| 147.5° | 1275.7 | 1276.4 | 1277.1 | 1276.5 | 1274.6 | 1272.8 | 1270.9 | 1269.1 |
| 150° | 1310.7 | 1310.7 | 1310.7 | 1310.4 | 1309.9 | 1309.3 | 1308.7 | 1308.2 |
| 152.5° | 1343.2 | 1343.9 | 1344.5 | 1344.4 | 1343.4 | 1342.5 | 1341.4 | 1340.5 |
| 155° | 1389.9 | 1390.9 | 1392.0 | 1391.9 | 1390.5 | 1389.2 | 1387.8 | 1386.5 |
| 157.5° | 1430.2 | 1431.3 | 1432.4 | 1432.0 | 1430.2 | 1428.4 | 1426.6 | 1424.8 |
| 160° | 1454.6 | 1455.8 | 1456.8 | 1456.7 | 1455.4 | 1454.0 | 1452.6 | 1451.2 |
| 162.5° | 1477.6 | 1478.8 | 1480.2 | 1480.1 | 1478.5 | 1476.9 | 1475.4 | 1473.8 |
| 165° | 1508.4 | 1509.6 | 1510.6 | 1510.3 | 1508.7 | 1507.1 | 1505.4 | 1503.8 |
| 167.5° | 1531.3 | 1533.0 | 1534.6 | 1534.6 | 1532.9 | 1531.2 | 1529.5 | 1527.8 |
| 170° | 1545.0 | 1546.6 | 1548.2 | 1548.1 | 1546.2 | 1544.4 | 1542.4 | 1540.5 |
| 172.5° | 1554.8 | 1556.4 | 1558.0 | 1558.0 | 1556.3 | 1554.6 | 1552.9 | 1551.2 |
| 175° | 1565.8 | 1567.4 | 1569.1 | 1568.9 | 1567.0 | 1565.1 | 1563.2 | 1561.3 |
| 177.5° | 1570.7 | 1572.1 | 1573.4 | 1573.3 | 1571.7 | 1570.2 | 1568.7 | 1567.2 |
| 180° | 1571.1 | 1571.1 | 1571.1 | 1571.1 | 1571.1 | 1571.1 | 1571.1 | 1571.1 |

(END OF REPORT)