

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: P333360

Luminaire Tested: **S125DIW-S375D1340U835-4F0-1E-UDD-D**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333360
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-S375D1340U835-4F0-1E-UDD-D
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 1340 LUMENS PER FOOT, NO LENS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6827.3 lumens
Efficiency: N/A
Efficacy: 146.5 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

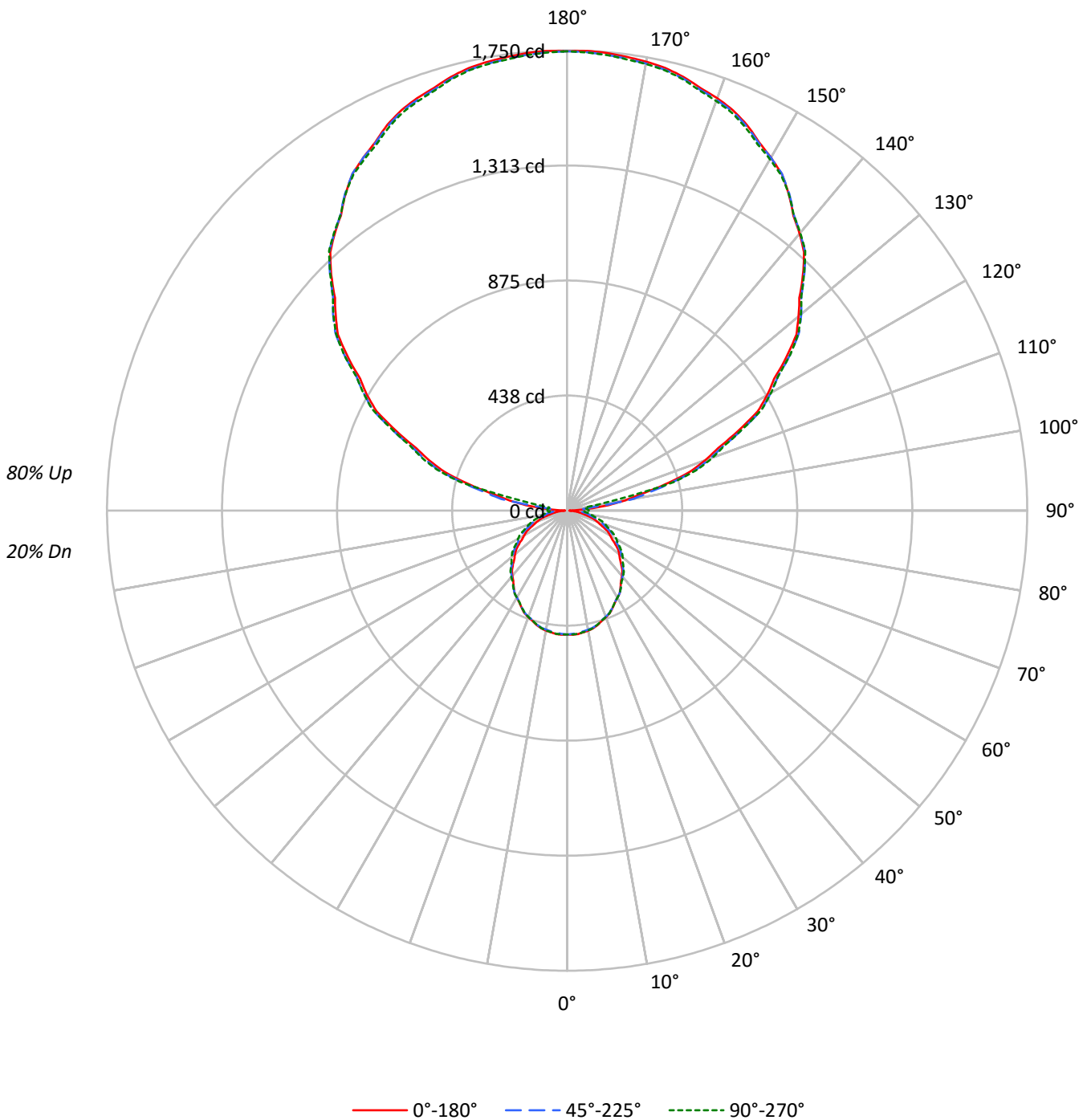
Input Watts (W): 46.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333360

CATALOG NUMBER: S125DIW-S375D1340U835-4F0-1E-UDD-D

Luminous Intensity Polar Plot





TEST NUMBER: P333360

CATALOG NUMBER: S125DIW-S375D1340U835-4F0-1E-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 | 100 | 100 | 100 | 100 | 88 | 88 | 88 | 88 | 67 | 67 | 67 | 47 | 47 | 47 | 29 | 29 | 29 | 20 | | | | | | | | | | | | | | | | | | | |
| 1 | 91 | 87 | 83 | 79 | 80 | 77 | 73 | 71 | 58 | 56 | 54 | 41 | 39 | 38 | 25 | 24 | 24 | 16 | | | | | | | | | | | | | | | | | | | |
| 2 | 82 | 75 | 69 | 64 | 73 | 67 | 62 | 58 | 50 | 47 | 44 | 35 | 33 | 32 | 22 | 21 | 20 | 13 | | | | | | | | | | | | | | | | | | | |
| 3 | 75 | 66 | 59 | 53 | 66 | 58 | 53 | 48 | 44 | 40 | 37 | 31 | 29 | 27 | 19 | 18 | 16 | 11 | | | | | | | | | | | | | | | | | | | |
| 4 | 69 | 58 | 51 | 45 | 60 | 52 | 45 | 40 | 39 | 35 | 31 | 28 | 25 | 23 | 17 | 15 | 14 | 10 | | | | | | | | | | | | | | | | | | | |
| 5 | 63 | 52 | 44 | 38 | 55 | 46 | 39 | 34 | 35 | 30 | 27 | 25 | 22 | 19 | 15 | 14 | 12 | 8 | | | | | | | | | | | | | | | | | | | |
| 6 | 58 | 46 | 38 | 33 | 51 | 41 | 34 | 29 | 31 | 27 | 23 | 22 | 19 | 17 | 14 | 12 | 11 | 7 | | | | | | | | | | | | | | | | | | | |
| 7 | 53 | 41 | 34 | 28 | 47 | 37 | 30 | 26 | 28 | 24 | 20 | 20 | 17 | 15 | 12 | 11 | 9 | 6 | | | | | | | | | | | | | | | | | | | |
| 8 | 49 | 37 | 30 | 25 | 43 | 33 | 27 | 22 | 26 | 21 | 18 | 18 | 15 | 13 | 11 | 10 | 8 | 6 | | | | | | | | | | | | | | | | | | | |
| 9 | 46 | 34 | 27 | 22 | 40 | 30 | 24 | 20 | 23 | 19 | 16 | 17 | 14 | 12 | 10 | 9 | 7 | 5 | | | | | | | | | | | | | | | | | | | |
| 10 | 42 | 31 | 24 | 19 | 37 | 28 | 22 | 18 | 21 | 17 | 14 | 15 | 12 | 10 | 10 | 8 | 7 | 5 | | | | | | | | | | | | | | | | | | | |

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: P333360

CATALOG NUMBER: S125DIW-S375D1340U835-4F0-1E-UDD-D

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 44.6 | 0.7 |
| 10°-20° | 126.5 | 1.9 |
| 20°-30° | 188.2 | 2.8 |
| 30°-40° | 222.9 | 3.3 |
| 40°-50° | 230.5 | 3.4 |
| 50°-60° | 212.3 | 3.1 |
| 60°-70° | 171.6 | 2.5 |
| 70°-80° | 114.9 | 1.7 |
| 80°-90° | 63.2 | 0.9 |
| 90°-100° | 96.9 | 1.4 |
| 100°-110° | 415.8 | 6.1 |
| 110°-120° | 726.0 | 10.6 |
| 120°-130° | 919.9 | 13.5 |
| 130°-140° | 983.4 | 14.4 |
| 140°-150° | 920.1 | 13.5 |
| 150°-160° | 743.6 | 10.9 |
| 160°-170° | 480.9 | 7.0 |
| 170°-180° | 165.9 | 2.4 |
| 0°-30° | 359.3 | 5.3 |
| 0°-40° | 582.2 | 8.5 |
| 0°-60° | 1025.0 | 15.0 |
| 0°-90° | 1374.8 | 20.1 |
| 90°-120° | 1238.8 | 18.1 |
| 90°-150° | 4062.1 | 59.5 |
| 90°-180° | 5453.0 | 79.9 |
| 0°-180° | 6827.3 | 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 | 34 | 59 | 75 | 83 | 8 |
| 95° | 80 | 86 | 54 | 70 | 74 | 99 |
| 105° | 385 | 397 | 411 | 420 | 422 | 408 |
| 115° | 718 | 727 | 740 | 743 | 739 | 711 |
| 125° | 1018 | 1027 | 1036 | 1038 | 1037 | 909 |
| 135° | 1268 | 1275 | 1276 | 1279 | 1274 | 977 |
| 145° | 1470 | 1472 | 1472 | 1475 | 1470 | 919 |
| 155° | 1618 | 1611 | 1613 | 1616 | 1607 | 745 |
| 165° | 1708 | 1700 | 1701 | 1708 | 1699 | 482 |
| 175° | 1747 | 1739 | 1740 | 1749 | 1739 | 166 |
| 180° | 1747 | 1747 | 1747 | 1747 | 1747 | |



TEST NUMBER: P333360

CATALOG NUMBER: S125DIW-S375D1340U835-4F0-1E-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 | 18.4 | 22.2 | 25.9 | 29.7 | 33.5 | 37.4 | 41.3 | 45.2 | 49.1 | 51.7 |
| 90° | 8.7 | 14.3 | 19.9 | 25.5 | 31.0 | 36.6 | 42.1 | 47.6 | 53.1 | 58.6 | 62.4 |
| 92.5° | 26.6 | 28.0 | 29.5 | 30.9 | 32.3 | 35.7 | 41.1 | 46.4 | 51.8 | 57.1 | 60.9 |
| 95° | 79.8 | 81.6 | 83.4 | 85.2 | 87.0 | 84.2 | 76.8 | 69.3 | 61.9 | 54.5 | 58.2 |
| 97.5° | 159.5 | 163.5 | 167.4 | 171.4 | 175.4 | 168.2 | 149.9 | 131.7 | 113.4 | 95.1 | 89.2 |
| 100° | 221.3 | 224.3 | 227.3 | 230.4 | 233.4 | 237.1 | 241.6 | 246.0 | 250.4 | 254.9 | 214.2 |
| 102.5° | 284.1 | 287.2 | 290.3 | 293.4 | 296.5 | 300.0 | 303.8 | 307.7 | 311.6 | 315.5 | 309.5 |
| 105° | 384.8 | 387.6 | 390.4 | 393.2 | 396.0 | 398.9 | 402.0 | 405.1 | 408.2 | 411.3 | 413.3 |
| 107.5° | 489.4 | 490.8 | 492.2 | 493.6 | 495.0 | 497.4 | 501.0 | 504.5 | 508.0 | 511.6 | 513.7 |
| 110° | 557.4 | 558.6 | 559.9 | 561.1 | 562.3 | 564.7 | 568.1 | 571.6 | 575.0 | 578.5 | 579.6 |



TEST NUMBER: P333360

CATALOG NUMBER: S125DIW-S375D1340U835-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 621.6 | 623.3 | 625.0 | 626.6 | 628.3 | 630.7 | 633.9 | 637.0 | 640.1 | 643.3 | 644.1 |
| 115° | 717.5 | 719.6 | 721.8 | 723.9 | 726.1 | 728.7 | 731.6 | 734.6 | 737.5 | 740.5 | 741.2 |
| 117.5° | 816.7 | 817.1 | 817.5 | 818.0 | 818.4 | 820.4 | 824.0 | 827.6 | 831.2 | 834.9 | 835.1 |
| 120° | 878.9 | 878.9 | 878.9 | 878.9 | 878.9 | 880.6 | 883.8 | 887.0 | 890.2 | 893.5 | 894.6 |
| 122.5° | 933.4 | 934.6 | 935.9 | 937.1 | 938.3 | 940.3 | 943.0 | 945.7 | 948.3 | 951.0 | 952.1 |
| 125° | 1018.2 | 1020.1 | 1022.0 | 1024.0 | 1025.9 | 1027.9 | 1029.9 | 1032.0 | 1034.0 | 1036.1 | 1036.6 |
| 127.5° | 1098.8 | 1100.1 | 1101.5 | 1102.8 | 1104.2 | 1105.6 | 1107.1 | 1108.6 | 1110.1 | 1111.6 | 1112.5 |
| 130° | 1148.5 | 1149.9 | 1151.2 | 1152.5 | 1153.9 | 1155.4 | 1157.1 | 1158.9 | 1160.6 | 1162.3 | 1162.9 |
| 132.5° | 1197.9 | 1199.5 | 1201.2 | 1202.8 | 1204.5 | 1205.5 | 1206.0 | 1206.5 | 1207.0 | 1207.4 | 1208.7 |
| 135° | 1268.5 | 1270.1 | 1271.7 | 1273.4 | 1275.0 | 1275.9 | 1276.0 | 1276.1 | 1276.3 | 1276.4 | 1277.2 |
| 137.5° | 1333.4 | 1334.8 | 1336.2 | 1337.6 | 1339.0 | 1339.7 | 1339.5 | 1339.3 | 1339.2 | 1339.0 | 1340.3 |
| 140° | 1375.5 | 1376.1 | 1376.6 | 1377.2 | 1377.8 | 1378.0 | 1377.8 | 1377.6 | 1377.4 | 1377.2 | 1378.9 |
| 142.5° | 1413.8 | 1414.1 | 1414.3 | 1414.6 | 1414.9 | 1415.2 | 1415.6 | 1416.0 | 1416.5 | 1416.9 | 1418.0 |
| 145° | 1470.0 | 1470.5 | 1470.9 | 1471.4 | 1471.9 | 1472.1 | 1472.1 | 1472.1 | 1472.1 | 1472.1 | 1472.9 |
| 147.5° | 1518.7 | 1518.6 | 1518.5 | 1518.4 | 1518.3 | 1518.4 | 1518.7 | 1519.1 | 1519.4 | 1519.8 | 1520.3 |
| 150° | 1549.8 | 1549.2 | 1548.7 | 1548.1 | 1547.5 | 1547.5 | 1548.1 | 1548.7 | 1549.2 | 1549.8 | 1550.4 |
| 152.5° | 1579.8 | 1578.6 | 1577.3 | 1576.1 | 1574.8 | 1574.4 | 1575.0 | 1575.6 | 1576.2 | 1576.7 | 1577.3 |
| 155° | 1618.4 | 1616.7 | 1615.0 | 1613.3 | 1611.5 | 1611.0 | 1611.5 | 1612.1 | 1612.7 | 1613.3 | 1614.1 |
| 157.5° | 1648.2 | 1647.2 | 1646.1 | 1645.1 | 1644.1 | 1643.6 | 1643.6 | 1643.7 | 1643.8 | 1643.8 | 1644.7 |
| 160° | 1668.9 | 1667.2 | 1665.5 | 1663.7 | 1662.0 | 1661.3 | 1661.6 | 1661.9 | 1662.2 | 1662.5 | 1663.6 |
| 162.5° | 1685.5 | 1683.8 | 1682.0 | 1680.3 | 1678.6 | 1677.9 | 1678.2 | 1678.5 | 1678.7 | 1679.0 | 1680.6 |
| 165° | 1707.8 | 1706.0 | 1704.3 | 1702.6 | 1700.9 | 1700.1 | 1700.4 | 1700.7 | 1701.0 | 1701.3 | 1703.0 |
| 167.5° | 1724.3 | 1722.6 | 1720.8 | 1719.0 | 1717.2 | 1716.5 | 1716.7 | 1717.0 | 1717.3 | 1717.6 | 1719.7 |
| 170° | 1733.7 | 1731.7 | 1729.6 | 1727.6 | 1725.6 | 1724.7 | 1725.0 | 1725.3 | 1725.6 | 1725.9 | 1728.2 |
| 172.5° | 1739.9 | 1737.9 | 1735.9 | 1733.8 | 1731.8 | 1731.1 | 1731.6 | 1732.1 | 1732.6 | 1733.1 | 1735.2 |
| 175° | 1746.6 | 1744.9 | 1743.2 | 1741.4 | 1739.7 | 1739.0 | 1739.3 | 1739.6 | 1739.9 | 1740.1 | 1742.4 |
| 177.5° | 1749.7 | 1748.3 | 1747.0 | 1745.6 | 1744.2 | 1743.6 | 1743.9 | 1744.1 | 1744.3 | 1744.5 | 1746.2 |
| 180° | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 |



TEST NUMBER: P333360

CATALOG NUMBER: S125DIW-S375D1340U835-4F0-1E-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° | 54.4 | 57.0 | 59.7 | 61.4 | 62.3 | 63.2 | 64.1 | 65.0 |
| 90° | 66.2 | 70.0 | 73.8 | 76.5 | 78.1 | 79.7 | 81.3 | 82.8 |
| 92.5° | 64.6 | 68.3 | 72.0 | 74.4 | 75.6 | 76.7 | 77.8 | 78.9 |
| 95° | 61.8 | 65.5 | 69.2 | 71.5 | 72.2 | 72.9 | 73.6 | 74.3 |
| 97.5° | 83.2 | 77.3 | 71.3 | 68.7 | 69.4 | 70.1 | 70.8 | 71.5 |
| 100° | 173.4 | 132.7 | 92.0 | 71.4 | 70.9 | 70.3 | 69.8 | 69.2 |
| 102.5° | 303.5 | 297.4 | 291.4 | 278.9 | 259.9 | 241.0 | 222.0 | 203.1 |
| 105° | 415.4 | 417.4 | 419.5 | 420.7 | 421.1 | 421.6 | 422.0 | 422.4 |
| 107.5° | 515.8 | 517.9 | 519.9 | 520.9 | 520.6 | 520.4 | 520.2 | 520.0 |
| 110° | 580.6 | 581.7 | 582.8 | 583.9 | 584.9 | 585.9 | 586.9 | 587.9 |



TEST NUMBER: P333360

CATALOG NUMBER: S125DIW-S375D1340U835-4F0-1E-UDD-D

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 644.8 | 645.6 | 646.4 | 646.9 | 647.2 | 647.6 | 647.9 | 648.2 |
| 115° | 741.9 | 742.6 | 743.3 | 743.1 | 742.0 | 740.9 | 739.7 | 738.6 |
| 117.5° | 835.4 | 835.6 | 835.9 | 836.0 | 835.9 | 835.9 | 835.8 | 835.8 |
| 120° | 895.8 | 897.0 | 898.1 | 898.3 | 897.5 | 896.7 | 895.8 | 895.0 |
| 122.5° | 953.2 | 954.3 | 955.4 | 955.4 | 954.3 | 953.3 | 952.2 | 951.2 |
| 125° | 1037.1 | 1037.5 | 1038.0 | 1038.1 | 1037.8 | 1037.4 | 1037.1 | 1036.7 |
| 127.5° | 1113.4 | 1114.3 | 1115.2 | 1114.9 | 1113.3 | 1111.8 | 1110.3 | 1108.7 |
| 130° | 1163.5 | 1164.0 | 1164.6 | 1164.4 | 1163.5 | 1162.6 | 1161.7 | 1160.7 |
| 132.5° | 1210.0 | 1211.2 | 1212.5 | 1212.6 | 1211.6 | 1210.6 | 1209.6 | 1208.6 |
| 135° | 1278.0 | 1278.7 | 1279.5 | 1279.2 | 1278.0 | 1276.8 | 1275.6 | 1274.4 |
| 137.5° | 1341.6 | 1343.0 | 1344.3 | 1344.4 | 1343.3 | 1342.2 | 1341.2 | 1340.1 |
| 140° | 1380.6 | 1382.4 | 1384.1 | 1384.3 | 1382.9 | 1381.6 | 1380.3 | 1379.0 |
| 142.5° | 1419.1 | 1420.1 | 1421.2 | 1421.1 | 1419.8 | 1418.5 | 1417.2 | 1415.8 |
| 145° | 1473.7 | 1474.5 | 1475.3 | 1475.1 | 1473.8 | 1472.4 | 1471.1 | 1469.8 |
| 147.5° | 1520.8 | 1521.3 | 1521.8 | 1521.1 | 1519.2 | 1517.3 | 1515.5 | 1513.6 |
| 150° | 1551.0 | 1551.5 | 1552.1 | 1551.3 | 1549.1 | 1546.9 | 1544.7 | 1542.5 |
| 152.5° | 1577.9 | 1578.5 | 1579.0 | 1578.3 | 1576.3 | 1574.2 | 1572.2 | 1570.1 |
| 155° | 1615.0 | 1615.8 | 1616.7 | 1616.0 | 1613.7 | 1611.4 | 1609.1 | 1606.8 |
| 157.5° | 1645.7 | 1646.6 | 1647.5 | 1646.8 | 1644.5 | 1642.2 | 1639.9 | 1637.6 |
| 160° | 1664.8 | 1665.9 | 1667.1 | 1666.5 | 1664.2 | 1661.9 | 1659.6 | 1657.3 |
| 162.5° | 1682.2 | 1683.9 | 1685.5 | 1685.0 | 1682.5 | 1679.9 | 1677.4 | 1674.9 |
| 165° | 1704.7 | 1706.5 | 1708.2 | 1707.9 | 1705.6 | 1703.3 | 1701.0 | 1698.7 |
| 167.5° | 1721.8 | 1723.8 | 1725.9 | 1725.6 | 1723.0 | 1720.5 | 1717.9 | 1715.3 |
| 170° | 1730.5 | 1732.8 | 1735.1 | 1735.0 | 1732.4 | 1729.8 | 1727.2 | 1724.6 |
| 172.5° | 1737.3 | 1739.4 | 1741.4 | 1741.2 | 1738.6 | 1736.0 | 1733.4 | 1730.8 |
| 175° | 1744.7 | 1747.0 | 1749.3 | 1749.2 | 1746.6 | 1744.0 | 1741.4 | 1738.8 |
| 177.5° | 1747.8 | 1749.4 | 1751.0 | 1750.9 | 1749.0 | 1747.2 | 1745.3 | 1743.5 |
| 180° | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 | 1746.6 |

(END OF REPORT)