

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: P331969-930

Luminaire Tested: **S123DIP-S775D585U930-4F0-1E-UDD-D4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P331969-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-17,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S123DIP-S775D585U930-4F0-1E-UDD-D4
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 775 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER
UPLIGHT 585 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4363.6 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: General Diffuse

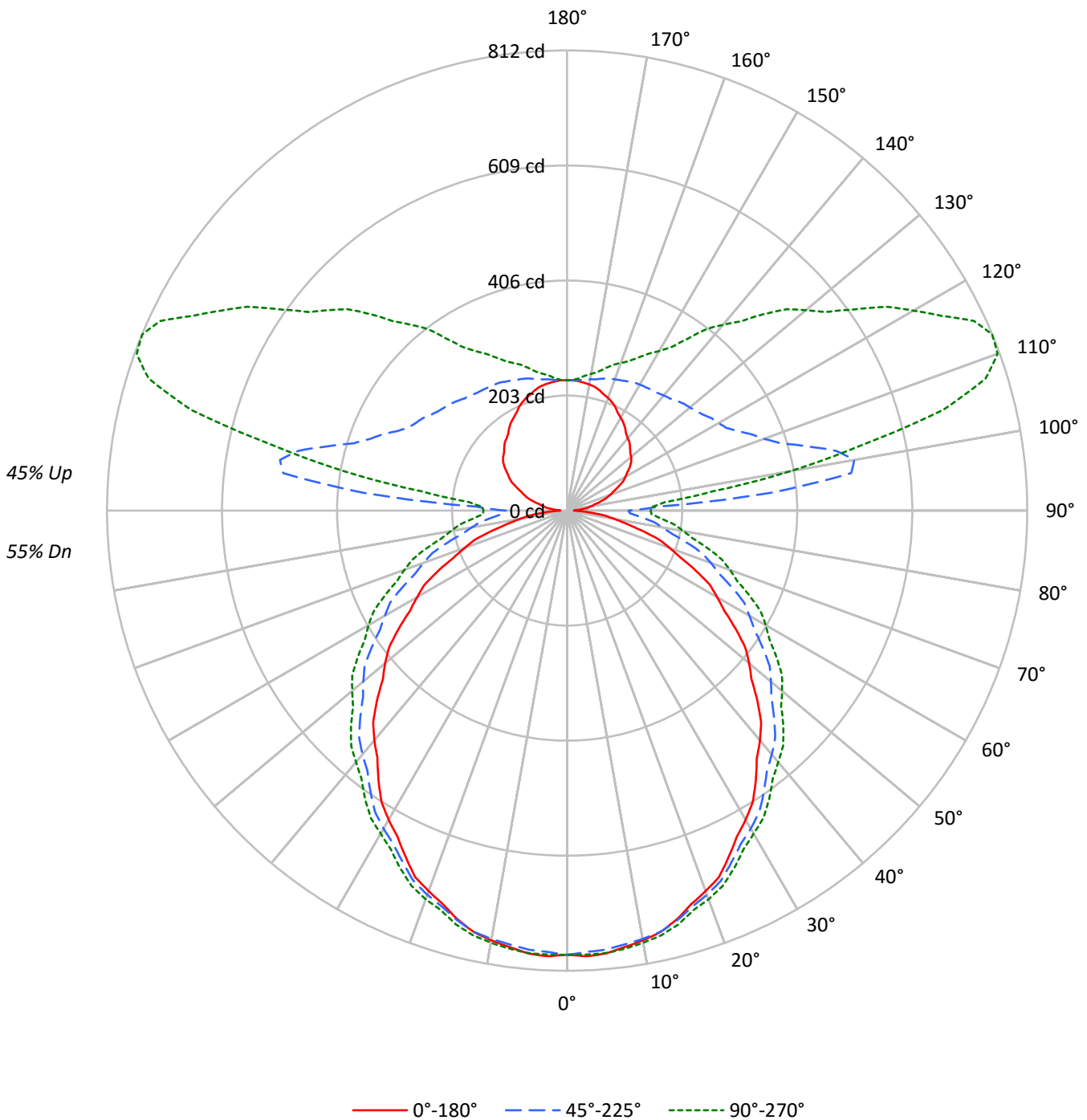
Input Watts (W): 40.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P331969-930

CATALOG NUMBER: S123DIP-S775D585U930-4F0-1E-UDD-D4

Luminous Intensity Polar Plot





TEST NUMBER: P331969-930

CATALOG NUMBER: S123DIP-S775D585U930-4F0-1E-UDD-D4

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 | 108 | 108 | 108 | 108 | 101 | 101 | 101 | 101 | 86 | 86 | 86 | 73 | 73 | 73 | 61 | 61 | 61 | 55 |
| 1 | 98 | 93 | 89 | 85 | 91 | 86 | 83 | 79 | 74 | 71 | 68 | 63 | 60 | 59 | 52 | 51 | 49 | 44 |
| 2 | 89 | 81 | 74 | 68 | 82 | 75 | 69 | 64 | 64 | 60 | 56 | 54 | 51 | 48 | 45 | 43 | 41 | 36 |
| 3 | 81 | 70 | 63 | 56 | 74 | 65 | 59 | 53 | 56 | 51 | 46 | 48 | 44 | 40 | 40 | 37 | 34 | 30 |
| 4 | 74 | 62 | 54 | 47 | 68 | 58 | 50 | 45 | 50 | 44 | 39 | 42 | 38 | 34 | 35 | 32 | 29 | 25 |
| 5 | 67 | 55 | 47 | 40 | 62 | 51 | 44 | 38 | 44 | 38 | 34 | 38 | 33 | 29 | 32 | 28 | 25 | 22 |
| 6 | 62 | 49 | 41 | 35 | 57 | 46 | 39 | 33 | 40 | 34 | 29 | 34 | 29 | 26 | 29 | 25 | 22 | 19 |
| 7 | 57 | 45 | 36 | 30 | 53 | 42 | 34 | 29 | 36 | 30 | 26 | 31 | 26 | 23 | 26 | 22 | 19 | 17 |
| 8 | 53 | 40 | 32 | 27 | 49 | 38 | 31 | 26 | 33 | 27 | 23 | 28 | 24 | 20 | 24 | 20 | 17 | 15 |
| 9 | 50 | 37 | 29 | 24 | 46 | 35 | 28 | 23 | 30 | 24 | 20 | 26 | 21 | 18 | 22 | 18 | 16 | 13 |
| 10 | 46 | 34 | 26 | 21 | 43 | 32 | 25 | 20 | 28 | 22 | 18 | 24 | 19 | 16 | 20 | 17 | 14 | 12 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 8436 | 8436 | 8436 |
| 5° | 8462 | 8223 | 8228 |
| 10° | 8386 | 8033 | 7993 |
| 15° | 8278 | 7819 | 7738 |
| 20° | 8123 | 7573 | 7456 |
| 25° | 7933 | 7290 | 7160 |
| 30° | 7737 | 7036 | 6861 |
| 35° | 7518 | 6767 | 6621 |
| 40° | 7310 | 6522 | 6365 |
| 45° | 7079 | 6288 | 6161 |
| 50° | 6848 | 6055 | 5934 |
| 55° | 6597 | 5818 | 5731 |
| 60° | 6352 | 5577 | 5522 |
| 65° | 6098 | 5319 | 5274 |
| 70° | 5718 | 5030 | 5022 |
| 75° | 5236 | 4699 | 4763 |
| 80° | 4684 | 4372 | 4467 |
| 85° | 4170 | 4150 | 4296 |



TEST NUMBER: P331969-930

CATALOG NUMBER: S123DIP-S775D585U930-4F0-1E-UDD-D4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 74.3 | 1.7 |
| 10°-20° | 211.8 | 4.9 |
| 20°-30° | 316.7 | 7.3 |
| 30°-40° | 378.3 | 8.7 |
| 40°-50° | 395.8 | 9.1 |
| 50°-60° | 371.4 | 8.5 |
| 60°-70° | 310.2 | 7.1 |
| 70°-80° | 221.9 | 5.1 |
| 80°-90° | 134.1 | 3.1 |
| 90°-100° | 210.9 | 4.8 |
| 100°-110° | 423.0 | 9.7 |
| 110°-120° | 396.9 | 9.1 |
| 120°-130° | 307.3 | 7.0 |
| 130°-140° | 234.4 | 5.4 |
| 140°-150° | 169.4 | 3.9 |
| 150°-160° | 116.5 | 2.7 |
| 160°-170° | 68.4 | 1.6 |
| 170°-180° | 22.3 | 0.5 |
| 0°-30° | 602.8 | 13.8 |
| 0°-40° | 981.1 | 22.5 |
| 0°-60° | 1748.2 | 40.1 |
| 0°-90° | 2414.5 | 55.3 |
| 90°-120° | 1030.8 | 23.6 |
| 90°-150° | 1741.9 | 39.9 |
| 90°-180° | 1949.0 | 44.7 |
| 0°-180° | 4363.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 784 | 784 | 784 | 784 | 784 | |
| 5° | 785 | 783 | 778 | 784 | 784 | 74 |
| 15° | 747 | 749 | 749 | 757 | 756 | 210 |
| 25° | 674 | 683 | 686 | 696 | 697 | 311 |
| 35° | 580 | 594 | 605 | 618 | 622 | 363 |
| 45° | 475 | 495 | 516 | 532 | 540 | 366 |
| 55° | 362 | 390 | 421 | 443 | 451 | 324 |
| 65° | 250 | 284 | 321 | 346 | 355 | 247 |
| 75° | 136 | 176 | 219 | 246 | 257 | 145 |
| 85° | 42 | 85 | 130 | 158 | 167 | 44 |
| 90° | 12 | 59 | 108 | 137 | 148 | 9 |
| 95° | 25 | 95 | 360 | 190 | 174 | 24 |
| 105° | 61 | 108 | 438 | 741 | 687 | 64 |
| 115° | 100 | 134 | 331 | 692 | 792 | 99 |
| 125° | 135 | 160 | 294 | 528 | 619 | 120 |
| 135° | 157 | 187 | 274 | 423 | 490 | 121 |
| 145° | 178 | 203 | 260 | 333 | 370 | 111 |
| 155° | 201 | 217 | 252 | 286 | 298 | 93 |
| 165° | 220 | 226 | 241 | 256 | 260 | 62 |
| 175° | 229 | 230 | 231 | 234 | 234 | 22 |
| 180° | 230 | 230 | 230 | 230 | 230 | |



TEST NUMBER: P331969-930

CATALOG NUMBER: S123DIP-S775D585U930-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 |
| 2.5° | 787.1 | 786.6 | 786.2 | 785.7 | 785.3 | 784.4 | 783.3 | 782.0 | 780.8 | 779.6 | 780.8 |
| 5° | 784.6 | 784.2 | 783.7 | 783.4 | 783.0 | 782.3 | 781.1 | 780.0 | 778.9 | 777.7 | 779.3 |
| 7.5° | 776.8 | 776.9 | 777.0 | 777.1 | 777.1 | 776.7 | 775.5 | 774.5 | 773.3 | 772.3 | 774.1 |
| 10° | 770.1 | 770.4 | 770.8 | 771.2 | 771.5 | 771.3 | 770.3 | 769.4 | 768.4 | 767.4 | 769.4 |
| 12.5° | 761.8 | 762.4 | 762.9 | 763.4 | 763.9 | 763.9 | 763.3 | 762.6 | 762.0 | 761.3 | 763.0 |
| 15° | 747.0 | 747.5 | 748.1 | 748.7 | 749.3 | 749.4 | 749.3 | 749.1 | 748.9 | 748.7 | 750.6 |
| 17.5° | 728.2 | 729.4 | 730.5 | 731.6 | 732.7 | 733.3 | 733.2 | 733.1 | 733.0 | 733.0 | 734.7 |
| 20° | 714.5 | 715.7 | 716.8 | 718.0 | 719.1 | 719.8 | 720.2 | 720.6 | 721.0 | 721.4 | 723.1 |
| 22.5° | 700.2 | 701.3 | 702.5 | 703.6 | 704.7 | 705.6 | 706.1 | 706.6 | 707.2 | 707.7 | 709.9 |
| 25° | 674.4 | 676.3 | 678.2 | 680.1 | 682.0 | 683.2 | 683.8 | 684.4 | 684.9 | 685.5 | 687.9 |
| 27.5° | 648.5 | 650.6 | 652.8 | 654.9 | 657.1 | 658.8 | 660.0 | 661.2 | 662.4 | 663.7 | 665.8 |
| 30° | 630.0 | 632.5 | 635.0 | 637.4 | 639.8 | 641.9 | 643.4 | 644.9 | 646.5 | 647.9 | 650.2 |
| 32.5° | 609.5 | 612.3 | 615.1 | 617.8 | 620.6 | 623.0 | 624.9 | 627.0 | 628.9 | 630.9 | 633.3 |
| 35° | 580.5 | 583.5 | 586.6 | 589.6 | 592.6 | 595.4 | 597.9 | 600.3 | 602.8 | 605.3 | 608.1 |
| 37.5° | 549.8 | 553.2 | 556.6 | 560.0 | 563.5 | 566.6 | 569.7 | 572.7 | 575.8 | 578.8 | 582.0 |
| 40° | 529.3 | 532.7 | 536.1 | 539.6 | 542.9 | 546.6 | 550.3 | 554.2 | 557.9 | 561.7 | 564.9 |
| 42.5° | 506.7 | 510.9 | 515.1 | 519.3 | 523.4 | 527.5 | 531.4 | 535.4 | 539.3 | 543.3 | 546.8 |
| 45° | 474.7 | 479.2 | 483.7 | 488.3 | 492.8 | 497.5 | 502.2 | 507.0 | 511.8 | 516.5 | 520.1 |
| 47.5° | 441.0 | 446.2 | 451.3 | 456.5 | 461.6 | 466.9 | 472.4 | 477.8 | 483.2 | 488.6 | 492.7 |
| 50° | 419.1 | 424.4 | 429.7 | 435.1 | 440.4 | 446.0 | 451.9 | 457.8 | 463.7 | 469.5 | 473.9 |
| 52.5° | 395.9 | 401.5 | 407.2 | 412.8 | 418.4 | 424.4 | 431.0 | 437.4 | 443.9 | 450.4 | 454.9 |
| 55° | 362.0 | 368.2 | 374.5 | 380.7 | 387.0 | 393.5 | 400.4 | 407.2 | 414.0 | 420.9 | 426.0 |
| 57.5° | 328.8 | 335.3 | 341.9 | 348.4 | 355.0 | 361.9 | 369.4 | 376.9 | 384.3 | 391.8 | 397.0 |
| 60° | 305.7 | 312.4 | 319.3 | 326.1 | 333.0 | 340.2 | 348.1 | 355.8 | 363.5 | 371.4 | 376.7 |
| 62.5° | 283.7 | 290.7 | 297.7 | 304.7 | 311.7 | 319.3 | 327.5 | 335.7 | 344.0 | 352.2 | 357.5 |
| 65° | 250.1 | 257.6 | 264.9 | 272.3 | 279.7 | 287.6 | 296.0 | 304.3 | 312.7 | 321.0 | 326.7 |
| 67.5° | 216.0 | 223.8 | 231.7 | 239.5 | 247.4 | 255.6 | 264.1 | 272.6 | 281.0 | 289.6 | 295.8 |
| 70° | 192.1 | 200.2 | 208.4 | 216.5 | 224.7 | 233.3 | 242.5 | 251.5 | 260.7 | 269.8 | 275.8 |
| 72.5° | 170.2 | 178.4 | 186.5 | 194.7 | 202.8 | 211.7 | 221.0 | 230.5 | 239.9 | 249.2 | 255.5 |
| 75° | 135.7 | 144.6 | 153.6 | 162.5 | 171.4 | 180.6 | 190.0 | 199.6 | 209.0 | 218.6 | 224.8 |
| 77.5° | 105.7 | 114.7 | 123.7 | 132.6 | 141.6 | 150.9 | 160.5 | 170.1 | 179.6 | 189.1 | 195.8 |
| 80° | 84.5 | 93.8 | 103.1 | 112.4 | 121.7 | 131.3 | 141.1 | 151.0 | 160.9 | 170.7 | 177.2 |
| 82.5° | 66.0 | 75.5 | 85.0 | 94.4 | 103.9 | 113.6 | 123.6 | 133.6 | 143.7 | 153.7 | 160.1 |
| 85° | 41.8 | 51.3 | 60.8 | 70.3 | 79.7 | 89.5 | 99.6 | 109.7 | 119.7 | 129.8 | 136.2 |
| 87.5° | 22.9 | 32.5 | 42.2 | 51.9 | 61.6 | 71.3 | 81.2 | 91.2 | 101.1 | 111.0 | 117.4 |
| 90° | 12.1 | 22.3 | 32.4 | 43.1 | 53.4 | 63.8 | 74.8 | 85.9 | 97.0 | 108.1 | 114.1 |
| 92.5° | 16.1 | 27.4 | 39.6 | 51.7 | 63.9 | 79.8 | 101.5 | 131.0 | 160.1 | 162.5 | 151.2 |
| 95° | 25.2 | 34.0 | 46.5 | 61.8 | 81.3 | 107.8 | 156.6 | 235.2 | 320.7 | 360.3 | 314.1 |
| 97.5° | 35.3 | 42.5 | 53.2 | 66.7 | 85.3 | 112.7 | 159.3 | 246.4 | 382.4 | 505.7 | 541.2 |
| 100° | 42.1 | 48.6 | 58.0 | 70.5 | 87.8 | 113.3 | 154.6 | 232.1 | 363.1 | 514.6 | 611.8 |
| 102.5° | 49.2 | 55.5 | 63.8 | 75.5 | 91.0 | 114.6 | 152.5 | 219.4 | 336.9 | 486.4 | 611.2 |
| 105° | 60.7 | 66.7 | 74.0 | 84.2 | 97.6 | 118.4 | 151.6 | 207.7 | 303.7 | 437.9 | 576.7 |
| 107.5° | 72.2 | 77.5 | 84.1 | 93.4 | 105.6 | 124.7 | 154.5 | 202.1 | 280.7 | 394.5 | 520.8 |
| 110° | 80.5 | 85.3 | 91.0 | 99.5 | 110.9 | 129.4 | 157.9 | 200.8 | 270.8 | 369.9 | 486.0 |



TEST NUMBER: P331969-930

CATALOG NUMBER: S123DIP-S775D585U930-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 88.6 | 92.9 | 98.0 | 105.9 | 116.6 | 134.3 | 161.0 | 201.1 | 263.2 | 351.7 | 454.6 |
| 115° | 99.6 | 103.7 | 108.8 | 115.7 | 125.9 | 143.0 | 167.5 | 202.7 | 257.0 | 331.3 | 416.2 |
| 117.5° | 111.2 | 114.8 | 118.5 | 124.2 | 134.4 | 149.9 | 173.9 | 205.5 | 252.3 | 316.3 | 390.4 |
| 120° | 118.7 | 121.1 | 124.3 | 130.0 | 139.7 | 155.0 | 178.0 | 208.4 | 250.5 | 308.8 | 376.4 |
| 122.5° | 125.8 | 127.7 | 130.5 | 136.0 | 145.0 | 160.6 | 182.9 | 211.2 | 250.0 | 302.8 | 364.3 |
| 125° | 135.1 | 136.0 | 138.8 | 143.9 | 152.8 | 168.0 | 189.9 | 215.8 | 249.2 | 294.2 | 348.0 |
| 127.5° | 142.8 | 144.0 | 147.2 | 152.3 | 161.8 | 176.6 | 196.9 | 219.8 | 249.5 | 287.5 | 333.0 |
| 130° | 147.7 | 148.9 | 152.9 | 158.2 | 167.8 | 182.1 | 201.3 | 222.7 | 249.8 | 282.9 | 324.2 |
| 132.5° | 150.7 | 152.4 | 156.9 | 163.6 | 173.3 | 187.0 | 205.0 | 225.3 | 249.4 | 279.2 | 315.8 |
| 135° | 157.0 | 158.7 | 163.6 | 170.4 | 180.0 | 193.5 | 210.0 | 227.9 | 248.6 | 273.5 | 304.3 |
| 137.5° | 163.0 | 164.8 | 169.7 | 176.9 | 186.5 | 198.6 | 213.6 | 229.9 | 247.6 | 268.3 | 294.3 |
| 140° | 166.4 | 168.8 | 173.4 | 180.8 | 190.1 | 202.0 | 216.1 | 230.6 | 247.0 | 265.2 | 288.0 |
| 142.5° | 170.9 | 172.7 | 177.6 | 184.1 | 193.2 | 204.1 | 217.4 | 231.0 | 245.8 | 261.7 | 282.1 |
| 145° | 178.1 | 179.2 | 183.2 | 190.0 | 197.7 | 208.3 | 220.5 | 233.0 | 246.0 | 259.9 | 276.4 |
| 147.5° | 184.4 | 185.2 | 189.4 | 195.4 | 203.0 | 212.1 | 223.2 | 234.5 | 246.0 | 258.2 | 271.4 |
| 150° | 189.2 | 189.7 | 193.5 | 199.5 | 206.0 | 214.3 | 225.1 | 234.8 | 246.0 | 256.7 | 268.3 |
| 152.5° | 194.1 | 194.2 | 198.0 | 203.3 | 209.0 | 217.0 | 226.2 | 235.6 | 244.9 | 254.9 | 265.4 |
| 155° | 201.4 | 201.4 | 204.2 | 208.8 | 213.9 | 220.5 | 228.4 | 235.8 | 243.7 | 251.6 | 260.9 |
| 157.5° | 207.1 | 207.5 | 209.7 | 213.9 | 218.2 | 223.2 | 229.5 | 236.3 | 242.1 | 248.7 | 255.8 |
| 160° | 211.6 | 211.6 | 213.4 | 217.2 | 220.5 | 225.1 | 230.6 | 236.3 | 241.3 | 246.5 | 252.5 |
| 162.5° | 214.9 | 214.9 | 216.5 | 219.4 | 222.3 | 226.2 | 231.1 | 235.9 | 239.9 | 244.3 | 249.2 |
| 165° | 220.0 | 219.5 | 220.5 | 222.7 | 224.6 | 227.9 | 231.5 | 234.8 | 237.7 | 240.9 | 244.6 |
| 167.5° | 223.8 | 223.2 | 223.6 | 225.4 | 226.7 | 228.8 | 231.5 | 234.1 | 235.4 | 237.5 | 240.3 |
| 170° | 226.0 | 225.1 | 225.5 | 226.9 | 227.9 | 228.8 | 231.1 | 233.0 | 233.9 | 235.3 | 237.7 |
| 172.5° | 227.5 | 226.9 | 227.1 | 228.0 | 228.6 | 229.2 | 231.1 | 232.6 | 232.8 | 233.4 | 235.1 |
| 175° | 229.3 | 228.8 | 228.4 | 229.3 | 229.3 | 229.8 | 230.6 | 231.5 | 231.1 | 231.1 | 232.0 |
| 177.5° | 230.1 | 229.8 | 229.3 | 229.8 | 229.8 | 229.8 | 230.1 | 230.8 | 230.1 | 229.8 | 230.1 |
| 180° | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 |



TEST NUMBER: P331969-930

CATALOG NUMBER: S123DIP-S775D585U930-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 | 783.7 |
| 2.5° | 782.0 | 783.3 | 784.4 | 785.0 | 784.8 | 784.6 | 784.5 | 784.4 |
| 5° | 780.7 | 782.3 | 783.7 | 784.4 | 784.2 | 784.1 | 783.9 | 783.7 |
| 7.5° | 776.0 | 778.0 | 779.8 | 780.6 | 780.4 | 780.2 | 780.0 | 779.8 |
| 10° | 771.3 | 773.1 | 775.0 | 775.8 | 775.4 | 775.0 | 774.7 | 774.3 |
| 12.5° | 764.8 | 766.5 | 768.3 | 769.0 | 768.6 | 768.3 | 767.8 | 767.4 |
| 15° | 752.4 | 754.4 | 756.3 | 757.1 | 756.9 | 756.8 | 756.5 | 756.4 |
| 17.5° | 736.4 | 738.1 | 739.8 | 740.5 | 740.3 | 740.0 | 739.7 | 739.5 |
| 20° | 724.8 | 726.5 | 728.2 | 729.1 | 729.4 | 729.5 | 729.7 | 729.9 |
| 22.5° | 712.0 | 714.2 | 716.3 | 717.4 | 717.3 | 717.1 | 717.1 | 716.9 |
| 25° | 690.5 | 692.9 | 695.4 | 696.6 | 696.6 | 696.6 | 696.6 | 696.6 |
| 27.5° | 667.9 | 670.0 | 672.1 | 673.3 | 673.4 | 673.6 | 673.8 | 673.9 |
| 30° | 652.5 | 654.8 | 657.0 | 658.2 | 658.2 | 658.2 | 658.2 | 658.2 |
| 32.5° | 635.7 | 638.1 | 640.6 | 642.0 | 642.5 | 642.9 | 643.4 | 643.8 |
| 35° | 611.0 | 613.8 | 616.6 | 618.5 | 619.2 | 620.0 | 620.7 | 621.5 |
| 37.5° | 585.2 | 588.5 | 591.7 | 593.6 | 594.2 | 594.8 | 595.4 | 596.1 |
| 40° | 568.2 | 571.4 | 574.6 | 576.6 | 577.4 | 578.1 | 578.9 | 579.7 |
| 42.5° | 550.3 | 553.8 | 557.4 | 559.7 | 560.8 | 561.8 | 562.9 | 563.9 |
| 45° | 523.7 | 527.3 | 530.9 | 533.5 | 535.0 | 536.5 | 538.0 | 539.6 |
| 47.5° | 496.8 | 500.8 | 504.9 | 507.5 | 508.7 | 509.9 | 511.0 | 512.2 |
| 50° | 478.3 | 482.6 | 487.0 | 489.8 | 491.1 | 492.4 | 493.8 | 495.1 |
| 52.5° | 459.4 | 464.0 | 468.5 | 471.6 | 473.2 | 474.8 | 476.5 | 478.1 |
| 55° | 431.1 | 436.3 | 441.3 | 444.7 | 446.2 | 447.7 | 449.2 | 450.8 |
| 57.5° | 402.2 | 407.3 | 412.5 | 416.0 | 417.8 | 419.6 | 421.3 | 423.1 |
| 60° | 382.0 | 387.3 | 392.6 | 396.3 | 398.4 | 400.5 | 402.6 | 404.6 |
| 62.5° | 362.9 | 368.2 | 373.5 | 377.1 | 379.0 | 381.0 | 382.9 | 384.8 |
| 65° | 332.4 | 338.0 | 343.7 | 347.6 | 349.4 | 351.3 | 353.3 | 355.1 |
| 67.5° | 302.0 | 308.3 | 314.5 | 318.4 | 319.9 | 321.6 | 323.2 | 324.7 |
| 70° | 281.9 | 288.0 | 294.1 | 298.0 | 299.9 | 301.8 | 303.7 | 305.7 |
| 72.5° | 261.7 | 267.9 | 274.2 | 278.3 | 280.1 | 282.0 | 283.9 | 285.8 |
| 75° | 231.1 | 237.3 | 243.6 | 247.9 | 250.1 | 252.4 | 254.7 | 257.0 |
| 77.5° | 202.4 | 209.0 | 215.6 | 219.7 | 221.5 | 223.2 | 225.0 | 226.7 |
| 80° | 183.6 | 190.0 | 196.6 | 200.7 | 202.6 | 204.5 | 206.4 | 208.3 |
| 82.5° | 166.6 | 173.0 | 179.4 | 183.6 | 185.6 | 187.4 | 189.3 | 191.2 |
| 85° | 142.7 | 149.1 | 155.6 | 159.7 | 161.6 | 163.5 | 165.4 | 167.3 |
| 87.5° | 124.0 | 130.5 | 137.1 | 141.5 | 143.2 | 145.2 | 147.2 | 149.0 |
| 90° | 121.0 | 127.9 | 134.9 | 139.9 | 141.4 | 143.7 | 146.1 | 147.5 |
| 92.5° | 142.8 | 141.0 | 143.7 | 145.2 | 146.2 | 146.5 | 148.7 | 149.6 |
| 95° | 263.7 | 215.6 | 196.9 | 184.0 | 177.1 | 174.8 | 173.4 | 173.5 |
| 97.5° | 507.0 | 429.6 | 375.3 | 323.4 | 291.0 | 272.0 | 261.3 | 259.2 |
| 100° | 633.6 | 601.4 | 552.4 | 490.2 | 445.1 | 413.0 | 396.8 | 399.2 |
| 102.5° | 672.7 | 676.8 | 650.4 | 612.2 | 577.6 | 552.6 | 539.3 | 530.5 |
| 105° | 679.1 | 731.0 | 745.2 | 736.5 | 716.9 | 700.9 | 687.7 | 687.1 |
| 107.5° | 636.1 | 716.7 | 762.5 | 782.4 | 784.5 | 780.2 | 776.9 | 774.3 |
| 110° | 597.5 | 687.9 | 751.5 | 787.3 | 801.8 | 807.0 | 807.6 | 808.2 |



TEST NUMBER: P331969-930

CATALOG NUMBER: S123DIP-S775D585U930-4F0-1E-UDD-D4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 558.4 | 650.6 | 721.1 | 766.1 | 791.7 | 804.9 | 810.0 | 811.9 |
| 115° | 506.8 | 592.3 | 665.2 | 718.9 | 755.3 | 777.3 | 788.1 | 792.0 |
| 117.5° | 467.6 | 541.9 | 607.8 | 662.3 | 700.1 | 725.0 | 739.9 | 744.5 |
| 120° | 446.4 | 513.5 | 573.6 | 623.5 | 661.5 | 688.9 | 701.4 | 705.6 |
| 122.5° | 428.8 | 489.9 | 545.8 | 592.2 | 626.2 | 650.9 | 664.6 | 669.4 |
| 125° | 405.0 | 459.7 | 508.3 | 548.1 | 579.2 | 601.0 | 614.0 | 618.6 |
| 127.5° | 383.4 | 432.4 | 476.4 | 512.7 | 540.5 | 559.4 | 571.1 | 575.4 |
| 130° | 369.7 | 415.1 | 456.4 | 490.4 | 516.2 | 534.0 | 544.9 | 549.8 |
| 132.5° | 356.6 | 398.6 | 437.1 | 469.6 | 494.1 | 512.1 | 522.0 | 525.9 |
| 135° | 338.8 | 375.3 | 409.0 | 437.7 | 461.4 | 476.3 | 485.6 | 489.8 |
| 137.5° | 322.5 | 352.5 | 381.6 | 406.5 | 426.6 | 441.7 | 449.7 | 452.8 |
| 140° | 312.7 | 339.3 | 364.5 | 386.4 | 405.0 | 419.0 | 427.4 | 427.9 |
| 142.5° | 303.1 | 326.0 | 347.9 | 367.0 | 383.0 | 395.5 | 403.2 | 403.7 |
| 145° | 292.8 | 309.6 | 326.0 | 340.6 | 353.0 | 363.5 | 368.0 | 369.7 |
| 147.5° | 284.4 | 297.0 | 309.5 | 319.6 | 329.1 | 336.5 | 340.6 | 341.7 |
| 150° | 279.0 | 289.7 | 299.5 | 308.5 | 315.8 | 321.4 | 324.5 | 324.9 |
| 152.5° | 274.9 | 284.1 | 292.8 | 300.2 | 305.7 | 310.5 | 312.3 | 312.3 |
| 155° | 268.8 | 276.2 | 283.2 | 288.8 | 292.9 | 296.7 | 297.6 | 298.1 |
| 157.5° | 262.3 | 268.5 | 273.9 | 278.3 | 281.9 | 284.7 | 285.4 | 285.4 |
| 160° | 258.5 | 263.7 | 268.3 | 271.6 | 274.8 | 277.6 | 277.6 | 277.1 |
| 162.5° | 254.1 | 258.4 | 262.8 | 265.6 | 267.7 | 270.2 | 270.2 | 269.7 |
| 165° | 248.3 | 251.1 | 254.4 | 256.7 | 258.5 | 260.4 | 259.9 | 259.9 |
| 167.5° | 243.3 | 245.4 | 247.3 | 249.0 | 249.8 | 251.1 | 250.6 | 250.6 |
| 170° | 239.9 | 241.3 | 243.2 | 244.1 | 244.6 | 245.6 | 245.1 | 245.1 |
| 172.5° | 237.0 | 238.0 | 239.5 | 240.0 | 240.1 | 241.1 | 240.3 | 239.9 |
| 175° | 233.0 | 233.4 | 234.4 | 234.4 | 234.4 | 234.8 | 234.4 | 233.9 |
| 177.5° | 230.5 | 230.8 | 231.2 | 231.2 | 230.8 | 231.2 | 230.5 | 230.5 |
| 180° | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 | 229.8 |

(END OF REPORT)