

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: P333150-930

Luminaire Tested: **S125DIP-S375D1035U930-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333150-930
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-19,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S125DIP-S375D1035U930-4F0-1E-UDD-F4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER
UPLIGHT 1035 LUMENS PER FOOT, BATWING OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4268.9 lumens
Efficiency: N/A
Efficacy: 114.4 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

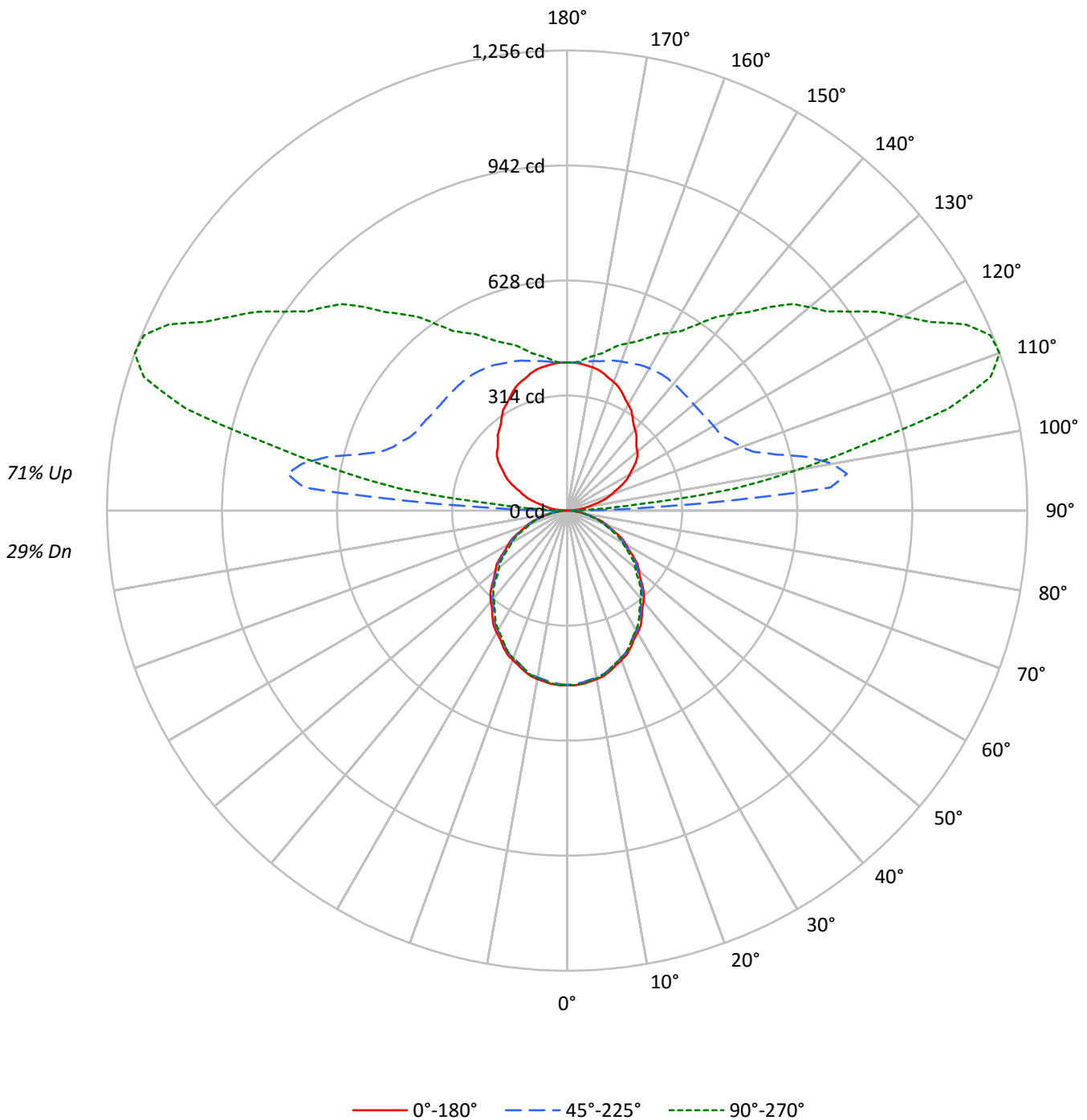
Input Watts (W): 37.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333150-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P333150-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-F4

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 | 102 | 102 | 102 | 102 | 92 | 92 | 92 | 92 | 72 | 72 | 72 | 54 | 54 | 54 | 37 | 37 | 37 | 29 |
| 1 | 93 | 89 | 85 | 82 | 83 | 80 | 77 | 74 | 63 | 61 | 59 | 47 | 46 | 44 | 32 | 32 | 31 | 24 |
| 2 | 85 | 78 | 72 | 67 | 76 | 70 | 65 | 60 | 55 | 51 | 48 | 41 | 39 | 37 | 29 | 27 | 26 | 20 |
| 3 | 77 | 68 | 61 | 55 | 69 | 61 | 55 | 50 | 48 | 44 | 41 | 36 | 34 | 31 | 25 | 24 | 22 | 17 |
| 4 | 71 | 60 | 52 | 47 | 63 | 54 | 48 | 43 | 43 | 38 | 34 | 32 | 29 | 27 | 23 | 21 | 19 | 15 |
| 5 | 65 | 53 | 46 | 40 | 58 | 48 | 41 | 36 | 38 | 33 | 30 | 29 | 26 | 23 | 20 | 18 | 17 | 13 |
| 6 | 59 | 48 | 40 | 34 | 53 | 43 | 36 | 31 | 34 | 29 | 26 | 26 | 23 | 20 | 18 | 16 | 15 | 11 |
| 7 | 55 | 43 | 35 | 30 | 49 | 39 | 32 | 27 | 31 | 26 | 22 | 24 | 20 | 18 | 17 | 15 | 13 | 10 |
| 8 | 51 | 39 | 31 | 26 | 45 | 35 | 29 | 24 | 28 | 23 | 20 | 22 | 18 | 16 | 15 | 13 | 12 | 9 |
| 9 | 47 | 35 | 28 | 23 | 42 | 32 | 26 | 21 | 26 | 21 | 18 | 20 | 16 | 14 | 14 | 12 | 10 | 8 |
| 10 | 44 | 32 | 25 | 21 | 39 | 29 | 23 | 19 | 24 | 19 | 16 | 18 | 15 | 13 | 13 | 11 | 9 | 7 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3076 | 3076 | 3076 |
| 5° | 3083 | 3053 | 3073 |
| 10° | 3064 | 3032 | 3049 |
| 15° | 3031 | 2995 | 3008 |
| 20° | 2983 | 2944 | 2950 |
| 25° | 2932 | 2884 | 2881 |
| 30° | 2869 | 2818 | 2804 |
| 35° | 2801 | 2748 | 2709 |
| 40° | 2732 | 2672 | 2633 |
| 45° | 2657 | 2602 | 2550 |
| 50° | 2574 | 2517 | 2442 |
| 55° | 2494 | 2423 | 2354 |
| 60° | 2399 | 2326 | 2244 |
| 65° | 2286 | 2211 | 2136 |
| 70° | 2177 | 2079 | 2005 |
| 75° | 1984 | 1919 | 1852 |
| 80° | 1767 | 1737 | 1696 |
| 85° | 1534 | 1564 | 1482 |



TEST NUMBER: P333150-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 44.9 | 1.1 |
| 10°-20° | 126.9 | 3.0 |
| 20°-30° | 187.3 | 4.4 |
| 30°-40° | 218.5 | 5.1 |
| 40°-50° | 219.5 | 5.1 |
| 50°-60° | 192.7 | 4.5 |
| 60°-70° | 143.6 | 3.4 |
| 70°-80° | 82.1 | 1.9 |
| 80°-90° | 26.1 | 0.6 |
| 90°-100° | 292.6 | 6.9 |
| 100°-110° | 629.0 | 14.7 |
| 110°-120° | 590.3 | 13.8 |
| 120°-130° | 478.4 | 11.2 |
| 130°-140° | 383.9 | 9.0 |
| 140°-150° | 289.7 | 6.8 |
| 150°-160° | 203.9 | 4.8 |
| 160°-170° | 120.2 | 2.8 |
| 170°-180° | 39.1 | 0.9 |
| 0°-30° | 359.1 | 8.4 |
| 0°-40° | 577.6 | 13.5 |
| 0°-60° | 989.8 | 23.2 |
| 0°-90° | 1241.6 | 29.1 |
| 90°-120° | 1512.0 | 35.4 |
| 90°-150° | 2664.1 | 62.4 |
| 90°-180° | 3027.0 | 70.9 |
| 0°-180° | 4268.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|------|------|
| 0° | 476 | 476 | 476 | 476 | 476 | |
| 5° | 476 | 475 | 471 | 474 | 474 | 45 |
| 15° | 453 | 452 | 448 | 450 | 450 | 128 |
| 25° | 412 | 409 | 405 | 405 | 404 | 189 |
| 35° | 355 | 354 | 348 | 347 | 344 | 222 |
| 45° | 291 | 289 | 285 | 281 | 279 | 224 |
| 55° | 222 | 220 | 215 | 212 | 209 | 198 |
| 65° | 150 | 149 | 145 | 141 | 140 | 148 |
| 75° | 80 | 79 | 77 | 76 | 74 | 85 |
| 85° | 21 | 21 | 21 | 21 | 20 | 23 |
| 90° | 1 | 7 | 13 | 17 | 19 | 3 |
| 95° | 27 | 79 | 721 | 327 | 191 | 29 |
| 105° | 92 | 129 | 590 | 1162 | 1078 | 97 |
| 115° | 164 | 198 | 474 | 1021 | 1201 | 162 |
| 125° | 228 | 267 | 454 | 812 | 947 | 202 |
| 135° | 267 | 321 | 451 | 681 | 786 | 207 |
| 145° | 311 | 356 | 452 | 564 | 620 | 195 |
| 155° | 355 | 382 | 441 | 499 | 520 | 163 |
| 165° | 387 | 398 | 423 | 449 | 456 | 109 |
| 175° | 403 | 403 | 406 | 411 | 409 | 38 |
| 180° | 404 | 404 | 404 | 404 | 404 | |



TEST NUMBER: P333150-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 476.3 | 476.3 | 476.3 | 476.3 | 476.3 | 476.3 | 476.3 | 476.3 | 476.3 | 476.3 | 476.3 |
| 2.5° | 477.4 | 477.3 | 477.1 | 476.9 | 476.7 | 476.2 | 475.6 | 474.9 | 474.3 | 473.5 | 474.3 |
| 5° | 475.5 | 475.3 | 475.2 | 475.0 | 474.8 | 474.3 | 473.5 | 472.7 | 471.8 | 471.0 | 471.7 |
| 7.5° | 471.2 | 471.0 | 470.8 | 470.7 | 470.5 | 469.9 | 469.0 | 468.1 | 467.2 | 466.3 | 467.0 |
| 10° | 467.2 | 467.1 | 466.9 | 466.8 | 466.6 | 466.0 | 465.1 | 464.1 | 463.3 | 462.4 | 463.0 |
| 12.5° | 462.4 | 462.1 | 461.8 | 461.5 | 461.2 | 460.6 | 459.7 | 458.9 | 458.0 | 457.2 | 457.7 |
| 15° | 453.3 | 453.1 | 452.8 | 452.6 | 452.2 | 451.7 | 450.8 | 449.9 | 448.9 | 448.0 | 448.4 |
| 17.5° | 442.8 | 442.5 | 442.1 | 441.7 | 441.3 | 440.7 | 439.7 | 438.8 | 437.8 | 436.8 | 437.4 |
| 20° | 434.1 | 433.9 | 433.7 | 433.6 | 433.4 | 432.8 | 431.7 | 430.6 | 429.5 | 428.4 | 429.0 |
| 22.5° | 425.3 | 425.0 | 424.7 | 424.4 | 424.1 | 423.5 | 422.4 | 421.4 | 420.4 | 419.4 | 419.8 |
| 25° | 411.5 | 411.1 | 410.6 | 410.2 | 409.8 | 409.0 | 408.0 | 406.8 | 405.8 | 404.7 | 404.9 |
| 27.5° | 395.3 | 395.0 | 394.8 | 394.5 | 394.3 | 393.5 | 392.5 | 391.3 | 390.2 | 389.1 | 389.1 |
| 30° | 384.7 | 384.5 | 384.2 | 383.9 | 383.7 | 382.9 | 381.7 | 380.4 | 379.2 | 377.9 | 377.7 |
| 32.5° | 373.2 | 372.8 | 372.5 | 372.1 | 371.7 | 371.0 | 369.8 | 368.7 | 367.6 | 366.5 | 366.2 |
| 35° | 355.3 | 355.0 | 354.7 | 354.3 | 354.0 | 353.2 | 352.0 | 350.9 | 349.7 | 348.5 | 348.1 |
| 37.5° | 336.7 | 336.3 | 335.9 | 335.4 | 335.0 | 334.3 | 333.1 | 332.1 | 330.9 | 329.9 | 329.2 |
| 40° | 324.1 | 323.6 | 323.2 | 322.8 | 322.4 | 321.6 | 320.4 | 319.3 | 318.0 | 316.9 | 316.2 |
| 42.5° | 310.5 | 310.1 | 309.8 | 309.4 | 309.1 | 308.3 | 307.1 | 306.0 | 304.8 | 303.6 | 303.0 |
| 45° | 290.9 | 290.6 | 290.2 | 289.9 | 289.5 | 288.9 | 287.9 | 286.9 | 285.8 | 284.9 | 283.9 |
| 47.5° | 269.8 | 269.8 | 269.8 | 269.9 | 269.9 | 269.3 | 268.1 | 266.8 | 265.6 | 264.4 | 263.4 |
| 50° | 256.2 | 256.0 | 255.8 | 255.4 | 255.2 | 254.6 | 253.6 | 252.6 | 251.6 | 250.5 | 249.5 |
| 52.5° | 242.4 | 242.1 | 242.0 | 241.8 | 241.7 | 241.0 | 239.9 | 238.9 | 237.7 | 236.7 | 235.8 |
| 55° | 221.5 | 221.3 | 221.0 | 220.8 | 220.5 | 219.8 | 218.7 | 217.5 | 216.3 | 215.2 | 214.4 |
| 57.5° | 199.7 | 199.5 | 199.3 | 199.3 | 199.1 | 198.5 | 197.5 | 196.6 | 195.6 | 194.6 | 193.6 |
| 60° | 185.7 | 185.4 | 185.1 | 184.7 | 184.4 | 183.8 | 182.9 | 182.0 | 181.0 | 180.1 | 179.3 |
| 62.5° | 171.3 | 171.0 | 170.7 | 170.5 | 170.2 | 169.7 | 168.9 | 168.1 | 167.3 | 166.6 | 165.7 |
| 65° | 149.6 | 149.4 | 149.3 | 149.1 | 149.0 | 148.4 | 147.5 | 146.5 | 145.6 | 144.7 | 143.9 |
| 67.5° | 128.6 | 128.2 | 127.8 | 127.5 | 127.2 | 126.6 | 126.0 | 125.2 | 124.6 | 123.9 | 123.3 |
| 70° | 115.3 | 114.9 | 114.5 | 114.1 | 113.7 | 113.0 | 112.3 | 111.5 | 110.8 | 110.1 | 109.5 |
| 72.5° | 100.9 | 100.5 | 100.3 | 100.0 | 99.7 | 99.3 | 98.8 | 98.3 | 97.8 | 97.3 | 96.8 |
| 75° | 79.5 | 79.3 | 79.2 | 79.0 | 78.8 | 78.5 | 78.1 | 77.7 | 77.3 | 76.9 | 76.6 |
| 77.5° | 59.8 | 59.8 | 59.7 | 59.6 | 59.6 | 59.4 | 59.2 | 58.9 | 58.7 | 58.5 | 58.3 |
| 80° | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.4 | 47.2 | 47.0 | 46.9 | 46.7 | 46.6 |
| 82.5° | 36.6 | 36.5 | 36.4 | 36.2 | 36.1 | 36.0 | 36.0 | 36.0 | 35.9 | 35.9 | 35.7 |
| 85° | 20.7 | 20.8 | 20.9 | 21.0 | 21.0 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 | 21.0 |
| 87.5° | 8.3 | 8.5 | 8.8 | 9.1 | 9.5 | 9.7 | 9.9 | 10.1 | 10.2 | 10.4 | 10.6 |
| 90° | 0.8 | 1.6 | 3.3 | 4.9 | 6.5 | 8.2 | 9.0 | 10.6 | 11.4 | 13.0 | 13.9 |
| 92.5° | 9.9 | 12.1 | 18.9 | 28.9 | 43.0 | 66.8 | 111.2 | 185.7 | 266.6 | 262.4 | 212.4 |
| 95° | 26.8 | 27.6 | 34.2 | 43.1 | 61.1 | 97.7 | 184.7 | 363.8 | 588.5 | 721.1 | 705.6 |
| 97.5° | 44.6 | 45.6 | 50.1 | 59.1 | 75.2 | 101.6 | 159.2 | 290.4 | 525.5 | 770.1 | 892.8 |
| 100° | 57.0 | 58.6 | 61.9 | 70.8 | 86.3 | 110.7 | 157.9 | 263.7 | 468.8 | 734.9 | 938.4 |
| 102.5° | 70.7 | 71.6 | 74.2 | 83.8 | 98.0 | 121.7 | 163.8 | 252.7 | 425.8 | 673.1 | 911.1 |
| 105° | 92.0 | 92.0 | 96.0 | 104.2 | 117.2 | 140.0 | 175.8 | 248.3 | 384.2 | 590.0 | 823.7 |
| 107.5° | 112.8 | 114.5 | 118.3 | 125.0 | 138.5 | 159.1 | 193.7 | 255.8 | 366.6 | 533.0 | 734.4 |
| 110° | 127.8 | 129.4 | 132.6 | 140.0 | 152.2 | 173.3 | 206.8 | 262.9 | 361.3 | 506.2 | 683.6 |



TEST NUMBER: P333150-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 142.8 | 144.4 | 147.0 | 154.3 | 166.5 | 187.0 | 219.1 | 272.0 | 361.3 | 490.6 | 645.9 |
| 115° | 164.4 | 166.0 | 168.4 | 175.8 | 188.0 | 208.4 | 238.5 | 285.7 | 363.8 | 473.7 | 604.7 |
| 117.5° | 183.9 | 186.4 | 189.0 | 196.3 | 210.2 | 229.8 | 258.4 | 301.3 | 369.2 | 465.4 | 580.2 |
| 120° | 197.0 | 199.4 | 202.7 | 210.0 | 223.8 | 244.2 | 272.6 | 311.7 | 374.4 | 461.5 | 566.5 |
| 122.5° | 210.7 | 212.4 | 215.0 | 222.3 | 237.5 | 257.9 | 286.3 | 323.4 | 379.0 | 458.2 | 554.7 |
| 125° | 227.9 | 229.5 | 233.6 | 240.9 | 256.4 | 277.5 | 304.4 | 339.4 | 386.6 | 454.1 | 538.8 |
| 127.5° | 241.4 | 243.9 | 249.1 | 258.4 | 274.8 | 296.0 | 321.8 | 354.0 | 395.3 | 452.2 | 524.2 |
| 130° | 249.9 | 252.3 | 258.9 | 269.4 | 286.5 | 307.6 | 332.9 | 363.8 | 400.5 | 450.9 | 514.4 |
| 132.5° | 256.4 | 259.4 | 267.3 | 279.2 | 296.9 | 318.0 | 343.3 | 372.3 | 406.3 | 450.9 | 506.5 |
| 135° | 266.9 | 270.2 | 280.0 | 293.0 | 310.1 | 332.1 | 357.3 | 384.2 | 414.3 | 450.9 | 497.3 |
| 137.5° | 280.3 | 282.7 | 291.9 | 304.9 | 321.6 | 344.3 | 367.2 | 393.0 | 421.6 | 451.8 | 489.0 |
| 140° | 288.1 | 290.6 | 300.4 | 313.3 | 328.8 | 350.8 | 374.4 | 398.8 | 424.9 | 452.5 | 485.1 |
| 142.5° | 297.3 | 299.1 | 308.1 | 321.1 | 336.0 | 356.6 | 379.0 | 402.0 | 426.8 | 453.1 | 481.8 |
| 145° | 310.9 | 312.5 | 320.7 | 332.1 | 346.7 | 365.4 | 386.6 | 406.9 | 428.9 | 452.5 | 477.0 |
| 147.5° | 325.2 | 326.2 | 333.2 | 343.8 | 356.4 | 372.9 | 391.5 | 409.9 | 429.7 | 450.4 | 471.9 |
| 150° | 333.7 | 335.3 | 341.0 | 351.6 | 363.0 | 376.8 | 394.8 | 411.8 | 429.7 | 448.4 | 468.0 |
| 152.5° | 342.8 | 343.8 | 348.9 | 358.1 | 368.8 | 381.4 | 398.0 | 413.1 | 429.1 | 445.9 | 463.4 |
| 155° | 354.8 | 354.8 | 359.7 | 367.9 | 376.0 | 387.4 | 401.2 | 414.3 | 427.3 | 441.2 | 455.8 |
| 157.5° | 365.6 | 365.4 | 369.3 | 376.3 | 383.5 | 392.2 | 404.0 | 415.1 | 425.2 | 436.3 | 448.6 |
| 160° | 372.8 | 371.9 | 375.2 | 380.9 | 387.4 | 394.8 | 405.3 | 415.1 | 423.2 | 433.0 | 442.8 |
| 162.5° | 378.6 | 377.8 | 381.1 | 386.1 | 391.3 | 397.4 | 406.6 | 414.4 | 421.3 | 429.1 | 437.6 |
| 165° | 387.4 | 385.8 | 388.2 | 392.3 | 395.6 | 400.5 | 406.9 | 413.4 | 418.3 | 423.2 | 429.7 |
| 167.5° | 393.3 | 392.5 | 394.0 | 396.2 | 398.5 | 401.5 | 406.9 | 411.5 | 413.8 | 417.5 | 422.1 |
| 170° | 397.2 | 396.4 | 397.2 | 398.8 | 400.5 | 402.8 | 406.9 | 410.2 | 411.8 | 414.3 | 417.5 |
| 172.5° | 399.8 | 398.4 | 399.2 | 400.7 | 401.7 | 402.8 | 406.3 | 408.9 | 409.2 | 410.3 | 412.9 |
| 175° | 402.8 | 401.2 | 402.0 | 402.8 | 402.8 | 402.8 | 405.3 | 406.9 | 406.1 | 406.1 | 406.9 |
| 177.5° | 404.3 | 403.0 | 403.0 | 403.7 | 403.0 | 403.0 | 404.3 | 405.0 | 403.7 | 403.7 | 404.3 |
| 180° | 403.7 | 403.7 | 403.7 | 403.7 | 403.7 | 403.7 | 403.7 | 403.7 | 403.7 | 403.7 | 403.7 |



TEST NUMBER: P333150-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 476.3 | 476.3 | 476.3 | 476.3 | 476.3 | 476.3 | 476.3 | 476.3 |
| 2.5° | 474.9 | 475.6 | 476.2 | 476.5 | 476.5 | 476.4 | 476.4 | 476.3 |
| 5° | 472.5 | 473.3 | 474.0 | 474.3 | 474.3 | 474.2 | 474.1 | 474.0 |
| 7.5° | 467.7 | 468.5 | 469.2 | 469.5 | 469.4 | 469.4 | 469.3 | 469.2 |
| 10° | 463.7 | 464.3 | 465.0 | 465.3 | 465.2 | 465.1 | 465.0 | 465.0 |
| 12.5° | 458.3 | 458.9 | 459.3 | 459.6 | 459.6 | 459.6 | 459.6 | 459.5 |
| 15° | 448.8 | 449.2 | 449.7 | 449.9 | 449.9 | 449.9 | 449.9 | 449.9 |
| 17.5° | 437.9 | 438.4 | 439.0 | 439.0 | 438.5 | 438.1 | 437.7 | 437.3 |
| 20° | 429.6 | 430.2 | 430.7 | 430.9 | 430.4 | 430.0 | 429.6 | 429.2 |
| 22.5° | 420.1 | 420.5 | 420.9 | 420.9 | 420.7 | 420.4 | 420.1 | 419.8 |
| 25° | 405.0 | 405.2 | 405.4 | 405.3 | 405.0 | 404.8 | 404.6 | 404.3 |
| 27.5° | 389.1 | 389.1 | 389.2 | 389.1 | 388.8 | 388.6 | 388.3 | 388.1 |
| 30° | 377.6 | 377.4 | 377.2 | 377.1 | 376.8 | 376.6 | 376.3 | 376.0 |
| 32.5° | 365.9 | 365.6 | 365.3 | 364.9 | 364.4 | 363.9 | 363.5 | 363.1 |
| 35° | 347.7 | 347.3 | 346.8 | 346.3 | 345.7 | 345.0 | 344.3 | 343.6 |
| 37.5° | 328.6 | 328.0 | 327.3 | 326.9 | 326.4 | 326.1 | 325.7 | 325.3 |
| 40° | 315.4 | 314.6 | 313.9 | 313.4 | 313.2 | 312.8 | 312.6 | 312.3 |
| 42.5° | 302.2 | 301.6 | 300.8 | 300.4 | 299.9 | 299.5 | 299.2 | 298.8 |
| 45° | 282.8 | 281.8 | 280.9 | 280.2 | 280.0 | 279.7 | 279.5 | 279.2 |
| 47.5° | 262.4 | 261.4 | 260.3 | 259.5 | 258.9 | 258.4 | 257.8 | 257.2 |
| 50° | 248.4 | 247.3 | 246.2 | 245.4 | 244.8 | 244.2 | 243.6 | 243.0 |
| 52.5° | 234.8 | 233.8 | 232.8 | 232.1 | 231.5 | 230.8 | 230.2 | 229.5 |
| 55° | 213.6 | 212.9 | 212.1 | 211.5 | 210.9 | 210.3 | 209.7 | 209.1 |
| 57.5° | 192.7 | 191.7 | 190.7 | 190.0 | 189.7 | 189.4 | 189.1 | 188.7 |
| 60° | 178.5 | 177.6 | 176.8 | 176.0 | 175.5 | 174.9 | 174.3 | 173.7 |
| 62.5° | 164.8 | 163.8 | 162.9 | 162.2 | 161.8 | 161.3 | 160.9 | 160.5 |
| 65° | 143.2 | 142.4 | 141.7 | 141.1 | 140.8 | 140.5 | 140.1 | 139.8 |
| 67.5° | 122.6 | 122.0 | 121.3 | 120.9 | 120.7 | 120.5 | 120.3 | 120.1 |
| 70° | 109.0 | 108.5 | 108.0 | 107.6 | 107.3 | 107.0 | 106.6 | 106.2 |
| 72.5° | 96.2 | 95.6 | 95.1 | 94.7 | 94.3 | 94.0 | 93.6 | 93.3 |
| 75° | 76.4 | 76.1 | 75.8 | 75.6 | 75.3 | 74.9 | 74.6 | 74.2 |
| 77.5° | 58.2 | 58.0 | 57.9 | 57.7 | 57.5 | 57.2 | 57.0 | 56.7 |
| 80° | 46.6 | 46.5 | 46.4 | 46.2 | 46.1 | 45.9 | 45.7 | 45.6 |
| 82.5° | 35.5 | 35.4 | 35.3 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 |
| 85° | 21.0 | 20.9 | 20.8 | 20.6 | 20.5 | 20.3 | 20.1 | 20.0 |
| 87.5° | 10.8 | 10.9 | 11.1 | 11.3 | 11.3 | 11.1 | 11.1 | 11.0 |
| 90° | 14.7 | 15.5 | 16.3 | 17.9 | 17.9 | 17.9 | 18.8 | 18.8 |
| 92.5° | 144.2 | 104.7 | 78.8 | 66.8 | 56.3 | 54.4 | 53.2 | 51.9 |
| 95° | 585.2 | 461.5 | 361.3 | 293.0 | 235.2 | 210.8 | 204.3 | 191.3 |
| 97.5° | 871.6 | 784.7 | 687.2 | 592.2 | 541.9 | 496.3 | 472.7 | 462.3 |
| 100° | 1001.1 | 961.2 | 877.3 | 792.7 | 736.5 | 678.0 | 647.8 | 634.9 |
| 102.5° | 1044.7 | 1069.3 | 1029.1 | 971.8 | 911.7 | 870.1 | 837.3 | 827.5 |
| 105° | 1019.0 | 1130.5 | 1166.3 | 1157.3 | 1131.3 | 1104.5 | 1088.2 | 1078.4 |
| 107.5° | 927.2 | 1076.0 | 1167.9 | 1210.4 | 1223.6 | 1223.4 | 1218.1 | 1211.5 |
| 110° | 859.5 | 1014.1 | 1128.9 | 1198.1 | 1234.7 | 1250.1 | 1255.8 | 1255.8 |



TEST NUMBER: P333150-930

CATALOG NUMBER: S125DIP-S375D1035U930-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|
| 112.5° | 806.1 | 952.9 | 1068.9 | 1150.6 | 1204.0 | 1230.6 | 1244.8 | 1250.6 |
| 115° | 739.0 | 865.2 | 976.6 | 1065.4 | 1128.9 | 1167.9 | 1190.7 | 1201.3 |
| 117.5° | 695.7 | 804.5 | 900.5 | 981.9 | 1045.4 | 1085.7 | 1108.3 | 1114.8 |
| 120° | 672.3 | 770.0 | 859.5 | 931.1 | 991.3 | 1030.4 | 1052.4 | 1058.9 |
| 122.5° | 654.7 | 745.2 | 824.9 | 892.0 | 945.7 | 981.5 | 1003.6 | 1009.4 |
| 125° | 629.2 | 712.2 | 782.9 | 841.6 | 887.1 | 920.5 | 938.4 | 946.6 |
| 127.5° | 603.1 | 680.6 | 746.7 | 801.5 | 842.9 | 872.3 | 889.2 | 892.8 |
| 130° | 586.9 | 658.4 | 721.9 | 774.9 | 815.5 | 842.4 | 858.7 | 863.6 |
| 132.5° | 570.5 | 637.6 | 695.2 | 746.2 | 786.8 | 813.8 | 828.7 | 834.2 |
| 135° | 549.3 | 605.5 | 657.6 | 704.0 | 739.8 | 766.7 | 781.3 | 786.2 |
| 137.5° | 531.5 | 576.9 | 620.2 | 659.6 | 691.6 | 716.1 | 729.6 | 734.9 |
| 140° | 521.7 | 559.9 | 597.4 | 631.6 | 661.7 | 682.9 | 695.0 | 699.1 |
| 142.5° | 513.2 | 545.6 | 577.9 | 607.5 | 633.1 | 650.9 | 662.5 | 665.9 |
| 145° | 502.1 | 527.4 | 552.6 | 574.6 | 594.1 | 608.0 | 616.9 | 620.2 |
| 147.5° | 491.8 | 512.3 | 531.7 | 548.2 | 563.7 | 574.8 | 580.0 | 581.5 |
| 150° | 485.9 | 503.8 | 519.3 | 533.9 | 546.1 | 555.9 | 559.1 | 559.9 |
| 152.5° | 479.4 | 495.3 | 509.5 | 520.9 | 531.2 | 539.0 | 542.2 | 543.0 |
| 155° | 469.6 | 482.7 | 494.1 | 503.0 | 511.1 | 516.8 | 519.3 | 520.1 |
| 157.5° | 459.8 | 470.6 | 479.4 | 486.4 | 492.8 | 497.4 | 499.7 | 499.5 |
| 160° | 453.3 | 461.5 | 469.6 | 475.3 | 481.0 | 485.1 | 486.7 | 485.9 |
| 162.5° | 446.2 | 453.6 | 460.5 | 465.5 | 469.9 | 473.4 | 473.7 | 473.5 |
| 165° | 436.3 | 442.0 | 446.9 | 450.9 | 454.1 | 455.8 | 455.8 | 455.8 |
| 167.5° | 426.8 | 430.6 | 434.3 | 437.2 | 438.9 | 440.3 | 439.7 | 439.5 |
| 170° | 421.6 | 424.0 | 426.5 | 428.1 | 429.7 | 430.6 | 430.6 | 429.7 |
| 172.5° | 415.7 | 418.2 | 420.0 | 420.9 | 421.3 | 422.7 | 421.4 | 420.6 |
| 175° | 409.4 | 409.4 | 411.0 | 411.0 | 411.0 | 411.8 | 410.2 | 409.4 |
| 177.5° | 405.0 | 405.6 | 405.6 | 405.6 | 405.0 | 405.6 | 403.7 | 403.7 |
| 180° | 403.7 | 403.7 | 403.7 | 403.7 | 403.7 | 403.7 | 403.7 | 403.7 |

(END OF REPORT)