

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: P333156

Luminaire Tested: **S125DIP-S375D1205U835-4F0-1E-UDD-D4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333156  
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-S375D1205U835-4F0-1E-UDD-D4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER  
UPLIGHT 1205 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5785.3 lumens  
Efficiency: N/A  
Efficacy: 137.1 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

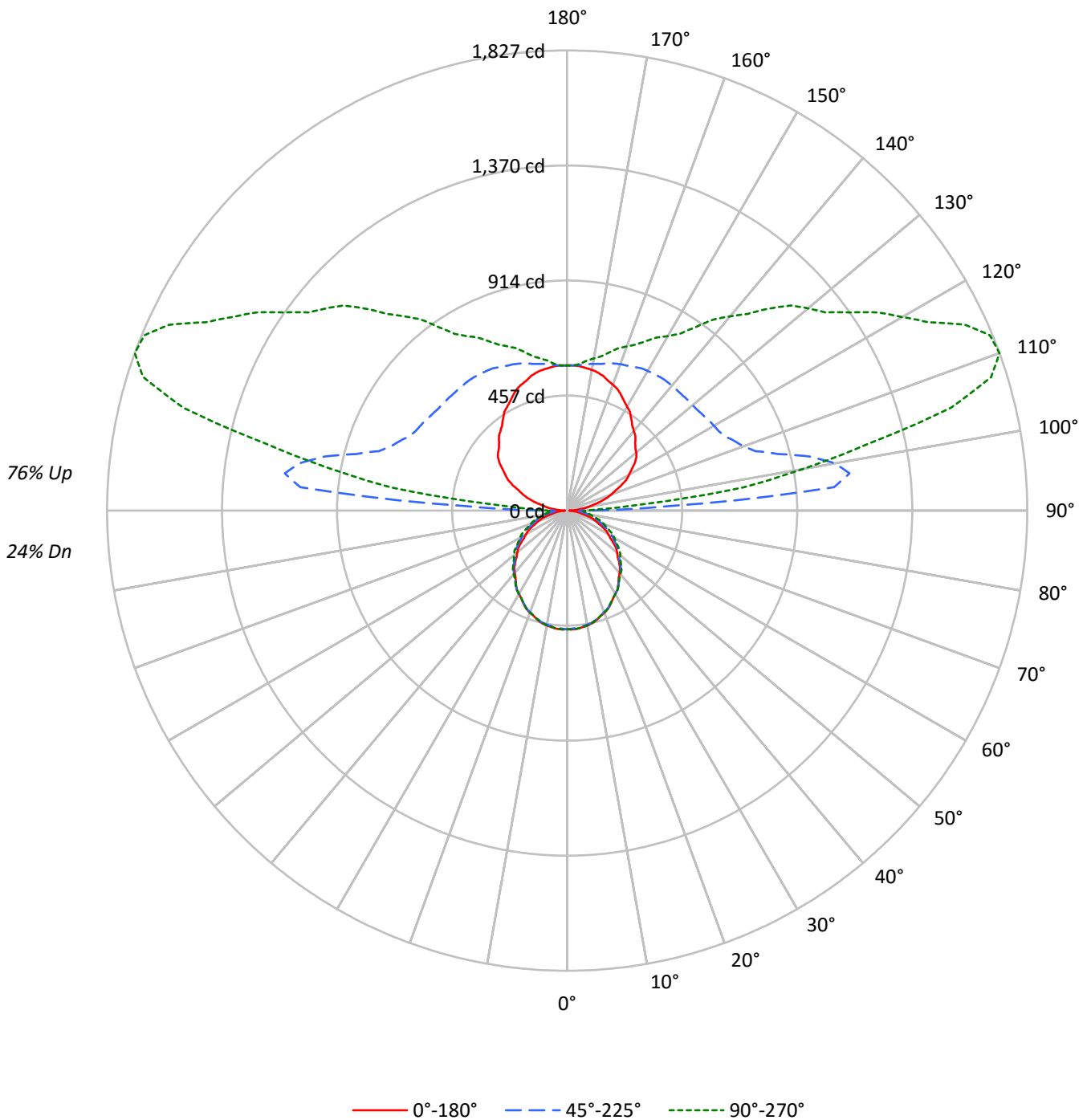
Input Watts (W): 42.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





TEST NUMBER: P333156

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**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 | 32 | 32 | 32 | 24 |
| 1   | 92  | 87  | 83  | 80  | 81 | 78 | 74 | 71 | 60 | 57 | 55 | 43 | 42 | 40 | 28 | 27 | 26 | 19 |
| 2   | 83  | 76  | 70  | 65  | 74 | 68 | 63 | 58 | 52 | 48 | 46 | 37 | 35 | 33 | 24 | 23 | 22 | 16 |
| 3   | 76  | 67  | 59  | 54  | 67 | 59 | 53 | 48 | 46 | 41 | 38 | 33 | 30 | 28 | 21 | 20 | 18 | 13 |
| 4   | 69  | 59  | 51  | 45  | 61 | 52 | 46 | 41 | 40 | 36 | 32 | 29 | 26 | 24 | 19 | 17 | 16 | 11 |
| 5   | 63  | 52  | 44  | 38  | 56 | 46 | 40 | 35 | 36 | 31 | 28 | 26 | 23 | 20 | 17 | 15 | 14 | 10 |
| 6   | 58  | 46  | 39  | 33  | 51 | 42 | 35 | 30 | 32 | 27 | 24 | 23 | 20 | 18 | 15 | 13 | 12 | 9  |
| 7   | 54  | 42  | 34  | 29  | 47 | 37 | 31 | 26 | 29 | 24 | 21 | 21 | 18 | 16 | 14 | 12 | 10 | 8  |
| 8   | 50  | 38  | 30  | 25  | 44 | 34 | 27 | 23 | 26 | 22 | 18 | 19 | 16 | 14 | 13 | 11 | 9  | 7  |
| 9   | 46  | 34  | 27  | 22  | 41 | 31 | 24 | 20 | 24 | 19 | 16 | 18 | 15 | 12 | 12 | 10 | 8  | 6  |
| 10  | 43  | 31  | 24  | 20  | 38 | 28 | 22 | 18 | 22 | 18 | 14 | 16 | 13 | 11 | 11 | 9  | 8  | 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 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 44.6   | 0.8       |
| 10°-20°   | 126.5  | 2.2       |
| 20°-30°   | 188.2  | 3.3       |
| 30°-40°   | 222.9  | 3.9       |
| 40°-50°   | 230.5  | 4.0       |
| 50°-60°   | 212.3  | 3.7       |
| 60°-70°   | 171.6  | 3.0       |
| 70°-80°   | 114.9  | 2.0       |
| 80°-90°   | 62.8   | 1.1       |
| 90°-100°  | 451.2  | 7.8       |
| 100°-110° | 922.7  | 15.9      |
| 110°-120° | 859.3  | 14.9      |
| 120°-130° | 692.4  | 12.0      |
| 130°-140° | 552.2  | 9.5       |
| 140°-150° | 414.5  | 7.2       |
| 150°-160° | 291.2  | 5.0       |
| 160°-170° | 171.6  | 3.0       |
| 170°-180° | 55.8   | 1.0       |
| 0°-30°    | 359.3  | 6.2       |
| 0°-40°    | 582.2  | 10.1      |
| 0°-60°    | 1025.0 | 17.7      |
| 0°-90°    | 1374.3 | 23.8      |
| 90°-120°  | 2233.2 | 38.6      |
| 90°-150°  | 3892.3 | 67.3      |
| 90°-180°  | 4411.0 | 76.2      |
| 0°-180°   | 5785.3 | 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   | 33    | 56   | 72    | 78   | 7    |
| 95°  | 44  | 132   | 1063 | 511   | 320  | 45   |
| 105° | 136 | 196   | 868  | 1693  | 1578 | 143  |
| 115° | 238 | 289   | 694  | 1484  | 1744 | 234  |
| 125° | 327 | 383   | 659  | 1177  | 1372 | 290  |
| 135° | 382 | 459   | 647  | 982   | 1134 | 297  |
| 145° | 444 | 508   | 646  | 807   | 890  | 278  |
| 155° | 507 | 545   | 630  | 712   | 742  | 233  |
| 165° | 553 | 568   | 604  | 641   | 651  | 156  |
| 175° | 575 | 575   | 580  | 587   | 584  | 55   |
| 180° | 576 | 576   | 576  | 576   | 576  |      |



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**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  | 18.2  | 21.9  | 25.7  | 29.4  | 33.3  | 37.0  | 41.0  | 44.7  | 48.6   | 51.2   |
| 90°    | 8.6   | 13.0  | 18.6  | 24.2  | 29.8  | 35.5  | 40.2  | 46.0  | 50.7  | 56.5   | 60.0   |
| 92.5°  | 20.8  | 26.9  | 39.7  | 57.1  | 80.2  | 117.4 | 184.4 | 294.4 | 413.5 | 411.0  | 342.0  |
| 95°    | 44.4  | 48.2  | 60.2  | 75.6  | 103.8 | 159.2 | 287.0 | 546.1 | 870.3 | 1063.2 | 1043.4 |
| 97.5°  | 69.1  | 72.9  | 81.8  | 97.0  | 122.4 | 163.0 | 248.6 | 439.3 | 778.2 | 1130.9 | 1308.3 |
| 100°   | 86.4  | 90.9  | 97.7  | 112.6 | 136.9 | 174.5 | 245.1 | 399.5 | 695.6 | 1078.8 | 1371.5 |
| 102.5° | 105.6 | 109.0 | 114.7 | 130.4 | 152.6 | 189.1 | 252.3 | 382.4 | 632.8 | 989.0  | 1330.9 |
| 105°   | 135.5 | 137.1 | 144.6 | 157.8 | 178.1 | 213.0 | 267.2 | 373.7 | 570.8 | 867.8  | 1203.4 |
| 107.5° | 164.7 | 168.4 | 175.3 | 186.3 | 207.0 | 238.4 | 290.9 | 382.4 | 543.6 | 784.1  | 1073.8 |
| 110°   | 185.7 | 189.2 | 195.1 | 206.8 | 225.5 | 257.7 | 308.2 | 391.3 | 534.8 | 744.5  | 999.7  |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 207.0 | 210.4 | 215.1 | 226.5 | 244.9 | 276.1 | 324.7 | 403.0 | 533.4 | 720.7 | 944.2 |
| 115°   | 237.5 | 240.5 | 244.7 | 255.9 | 274.1 | 304.8 | 350.5 | 420.5 | 534.7 | 694.3 | 883.2 |
| 117.5° | 264.9 | 268.9 | 273.1 | 284.0 | 304.2 | 333.8 | 377.0 | 440.9 | 540.3 | 680.2 | 845.8 |
| 120°   | 283.5 | 287.3 | 292.3 | 303.0 | 323.1 | 353.5 | 396.5 | 454.6 | 546.5 | 673.2 | 824.8 |
| 122.5° | 302.7 | 305.4 | 309.2 | 319.8 | 341.6 | 371.8 | 414.8 | 470.0 | 551.6 | 667.0 | 806.5 |
| 125°   | 327.2 | 329.4 | 335.1 | 345.5 | 367.5 | 398.6 | 439.0 | 491.1 | 560.5 | 659.0 | 781.5 |
| 127.5° | 346.0 | 349.4 | 356.7 | 369.9 | 393.3 | 424.3 | 462.9 | 510.6 | 571.1 | 654.1 | 758.3 |
| 130°   | 358.1 | 361.5 | 370.7 | 385.7 | 410.0 | 440.9 | 478.3 | 523.9 | 577.6 | 651.1 | 743.2 |
| 132.5° | 367.0 | 371.4 | 382.6 | 399.5 | 424.8 | 455.6 | 492.7 | 535.2 | 584.9 | 649.6 | 730.6 |
| 135°   | 382.0 | 386.6 | 400.4 | 418.9 | 443.2 | 474.9 | 511.6 | 550.7 | 594.4 | 647.4 | 715.0 |
| 137.5° | 401.0 | 404.4 | 417.3 | 435.9 | 459.7 | 492.1 | 525.3 | 562.3 | 603.6 | 647.2 | 701.3 |
| 140°   | 411.8 | 415.3 | 429.2 | 447.8 | 469.9 | 501.3 | 535.1 | 570.1 | 607.4 | 647.0 | 694.6 |
| 142.5° | 424.8 | 427.3 | 440.2 | 458.7 | 479.8 | 509.3 | 541.1 | 574.2 | 609.5 | 647.2 | 689.0 |
| 145°   | 444.3 | 446.6 | 458.1 | 474.2 | 495.0 | 521.7 | 551.9 | 581.0 | 612.4 | 646.0 | 681.4 |
| 147.5° | 464.3 | 465.7 | 475.7 | 490.8 | 508.9 | 532.4 | 558.9 | 585.2 | 613.5 | 643.0 | 673.9 |
| 150°   | 476.4 | 478.7 | 486.9 | 502.0 | 518.2 | 538.0 | 563.5 | 588.0 | 613.5 | 640.2 | 668.1 |
| 152.5° | 489.4 | 490.8 | 498.0 | 511.3 | 526.6 | 544.5 | 568.2 | 589.8 | 612.6 | 636.5 | 661.6 |
| 155°   | 506.6 | 506.6 | 513.6 | 525.2 | 536.8 | 553.1 | 572.8 | 591.4 | 610.0 | 629.8 | 650.7 |
| 157.5° | 522.0 | 521.7 | 527.3 | 537.3 | 547.5 | 559.8 | 576.8 | 592.6 | 607.0 | 622.8 | 640.5 |
| 160°   | 532.2 | 531.0 | 535.7 | 543.8 | 553.1 | 563.5 | 578.7 | 592.6 | 604.2 | 618.2 | 632.1 |
| 162.5° | 540.5 | 539.4 | 544.0 | 551.2 | 558.7 | 567.3 | 580.5 | 591.7 | 601.4 | 612.6 | 624.7 |
| 165°   | 553.1 | 550.8 | 554.3 | 560.1 | 564.7 | 571.7 | 581.0 | 590.3 | 597.2 | 604.2 | 613.5 |
| 167.5° | 561.5 | 560.3 | 562.4 | 565.6 | 568.9 | 573.3 | 581.0 | 587.5 | 590.7 | 596.1 | 602.6 |
| 170°   | 567.0 | 565.9 | 567.0 | 569.4 | 571.7 | 575.2 | 581.0 | 585.6 | 588.0 | 591.4 | 596.1 |
| 172.5° | 570.8 | 568.7 | 569.8 | 572.1 | 573.5 | 575.2 | 580.0 | 583.8 | 584.2 | 585.9 | 589.6 |
| 175°   | 575.2 | 572.8 | 574.0 | 575.2 | 575.2 | 575.2 | 578.7 | 581.0 | 579.8 | 579.8 | 581.0 |
| 177.5° | 577.3 | 575.4 | 575.4 | 576.3 | 575.4 | 575.4 | 577.3 | 578.2 | 576.3 | 576.3 | 577.3 |
| 180°   | 576.3 | 576.3 | 576.3 | 576.3 | 576.3 | 576.3 | 576.3 | 576.3 | 576.3 | 576.3 | 576.3 |



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**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°  | 53.8   | 56.4   | 59.0   | 61.0   | 61.7   | 62.5   | 63.4   | 64.1   |
| 90°    | 63.5   | 67.1   | 70.6   | 74.4   | 75.2   | 75.9   | 77.8   | 78.5   |
| 92.5°  | 246.9  | 192.7  | 158.0  | 142.3  | 128.2  | 126.1  | 125.2  | 124.0  |
| 95°    | 873.7  | 699.3  | 558.7  | 462.6  | 380.8  | 346.6  | 338.1  | 320.2  |
| 97.5°  | 1280.0 | 1158.3 | 1021.2 | 886.9  | 815.8  | 751.4  | 718.4  | 704.3  |
| 100°   | 1463.1 | 1408.3 | 1290.8 | 1171.3 | 1091.8 | 1008.7 | 966.4  | 948.4  |
| 102.5° | 1523.7 | 1560.9 | 1505.6 | 1425.1 | 1340.0 | 1281.1 | 1235.0 | 1221.7 |
| 105°   | 1484.3 | 1645.5 | 1698.7 | 1687.3 | 1650.9 | 1613.2 | 1590.7 | 1577.5 |
| 107.5° | 1351.0 | 1565.4 | 1698.7 | 1760.7 | 1780.2 | 1780.6 | 1773.6 | 1764.9 |
| 110°   | 1252.7 | 1475.4 | 1641.2 | 1741.3 | 1794.3 | 1817.1 | 1825.9 | 1826.6 |





TEST NUMBER: P333156

CATALOG NUMBER: S125DIP-S375D1205U835-4F0-1E-UDD-D4

**CANDELA DISTRIBUTION (continued):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 1174.8 | 1386.3 | 1553.8 | 1671.6 | 1748.7 | 1787.3 | 1808.3 | 1817.4 |
| 115°   | 1076.8 | 1258.7 | 1419.8 | 1547.7 | 1638.9 | 1695.3 | 1728.4 | 1744.2 |
| 117.5° | 1012.5 | 1169.5 | 1308.4 | 1425.8 | 1517.1 | 1575.5 | 1608.5 | 1618.5 |
| 120°   | 977.6  | 1118.8 | 1248.3 | 1351.8 | 1438.4 | 1494.8 | 1526.8 | 1536.7 |
| 122.5° | 950.9  | 1081.7 | 1197.3 | 1294.1 | 1371.5 | 1423.2 | 1455.2 | 1464.2 |
| 125°   | 912.1  | 1032.3 | 1135.0 | 1219.7 | 1285.3 | 1333.5 | 1359.6 | 1371.7 |
| 127.5° | 872.6  | 984.7  | 1080.6 | 1159.9 | 1219.6 | 1262.2 | 1287.0 | 1292.7 |
| 130°   | 848.0  | 951.7  | 1043.8 | 1120.3 | 1178.9 | 1217.8 | 1241.5 | 1249.0 |
| 132.5° | 823.3  | 920.5  | 1004.2 | 1077.9 | 1136.4 | 1175.2 | 1197.0 | 1205.3 |
| 135°   | 790.7  | 872.2  | 947.9  | 1015.1 | 1066.7 | 1105.6 | 1127.0 | 1134.5 |
| 137.5° | 763.2  | 829.3  | 892.3  | 949.3  | 995.5  | 1030.8 | 1050.5 | 1058.6 |
| 140°   | 748.0  | 803.7  | 858.3  | 907.9  | 951.3  | 981.9  | 999.8  | 1006.0 |
| 142.5° | 734.8  | 782.1  | 829.0  | 872.0  | 908.9  | 934.9  | 951.8  | 957.1  |
| 145°   | 718.0  | 754.5  | 791.0  | 822.9  | 851.2  | 871.3  | 884.5  | 889.6  |
| 147.5° | 702.4  | 731.8  | 759.6  | 783.5  | 805.8  | 821.8  | 829.4  | 831.7  |
| 150°   | 693.7  | 719.3  | 741.3  | 762.3  | 779.8  | 793.9  | 798.6  | 799.9  |
| 152.5° | 684.4  | 707.2  | 727.4  | 743.7  | 758.3  | 769.5  | 774.2  | 775.4  |
| 155°   | 670.4  | 689.0  | 705.3  | 718.1  | 729.7  | 737.8  | 741.3  | 742.5  |
| 157.5° | 656.5  | 671.8  | 684.4  | 694.4  | 703.4  | 710.2  | 713.4  | 713.2  |
| 160°   | 647.2  | 658.8  | 670.4  | 678.6  | 686.7  | 692.5  | 694.9  | 693.7  |
| 162.5° | 637.0  | 647.7  | 657.4  | 664.6  | 670.9  | 675.8  | 676.3  | 676.0  |
| 165°   | 622.8  | 630.9  | 637.9  | 643.7  | 648.4  | 650.7  | 650.7  | 650.7  |
| 167.5° | 609.3  | 614.7  | 620.0  | 624.2  | 626.5  | 628.6  | 627.7  | 627.5  |
| 170°   | 601.9  | 605.4  | 608.9  | 611.2  | 613.5  | 614.7  | 614.7  | 613.5  |
| 172.5° | 593.5  | 597.0  | 599.6  | 601.0  | 601.4  | 603.5  | 601.7  | 600.5  |
| 175°   | 584.5  | 584.5  | 586.8  | 586.8  | 586.8  | 588.0  | 585.6  | 584.5  |
| 177.5° | 578.2  | 579.1  | 579.1  | 579.1  | 578.2  | 579.1  | 576.3  | 576.3  |
| 180°   | 576.3  | 576.3  | 576.3  | 576.3  | 576.3  | 576.3  | 576.3  | 576.3  |

(END OF REPORT)