

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: P333141-930

Luminaire Tested: **S125DIP-S375D810U930-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333141-930  
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-S375D810U930-4F0-1E-UDD-F4  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
UPLIGHT 810 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3612.3 lumens  
Efficiency: N/A  
Efficacy: 115.8 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

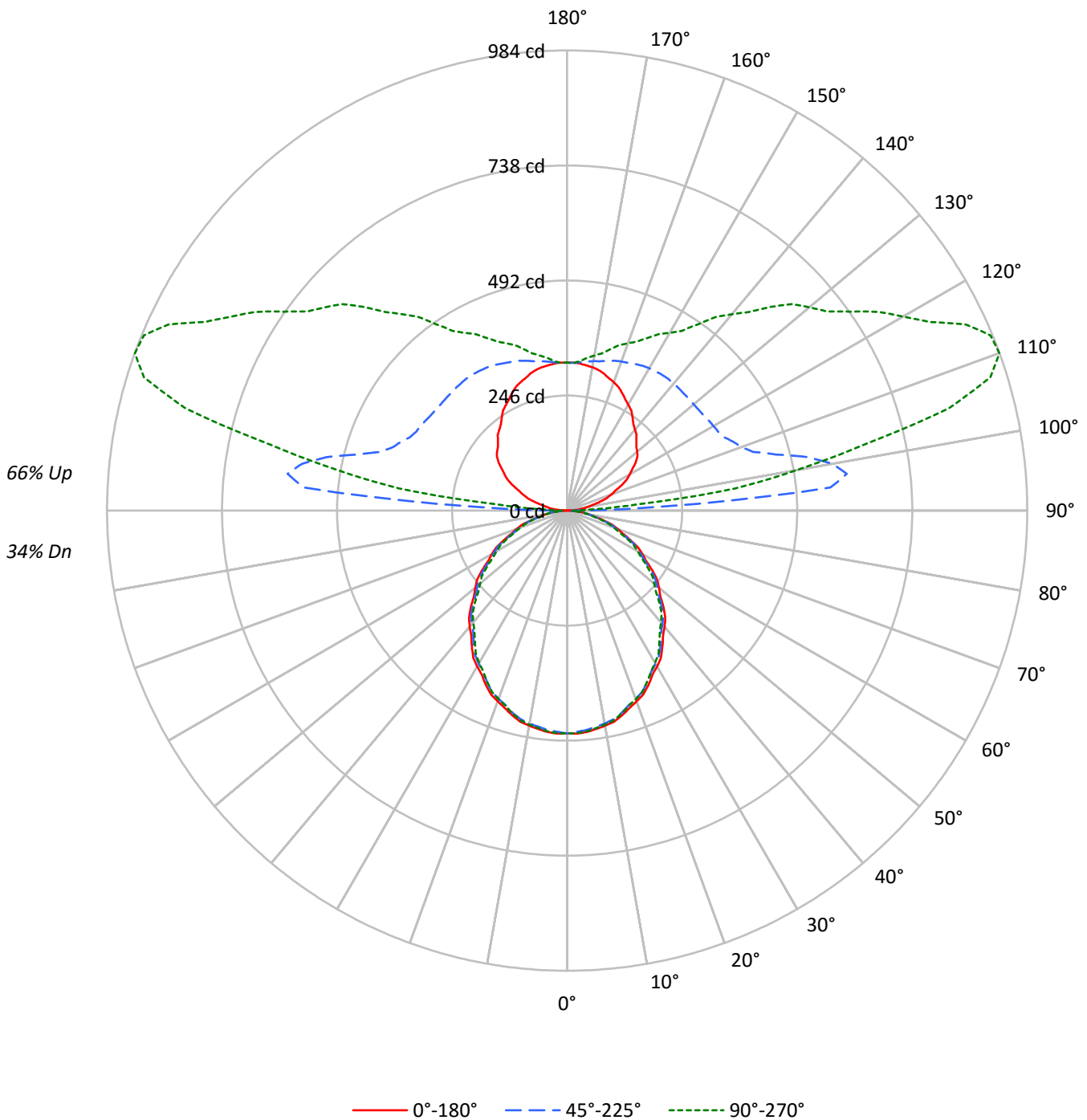
Input Watts (W): 31.2  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333141-930

CATALOG NUMBER: S125DIP-S375D810U930-4F0-1E-UDD-F4

### Luminous Intensity Polar Plot





TEST NUMBER: P333141-930

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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   | 103 | 103 | 103 | 103 | 93 | 93 | 93 | 93 | 75 | 75 | 75 | 58 | 58 | 58 | 42 | 42 | 42 | 34 |
| 1   | 94  | 90  | 86  | 83  | 85 | 81 | 78 | 75 | 65 | 63 | 61 | 50 | 49 | 48 | 37 | 36 | 35 | 29 |
| 2   | 86  | 79  | 73  | 67  | 77 | 71 | 66 | 62 | 57 | 54 | 50 | 44 | 42 | 40 | 32 | 31 | 30 | 24 |
| 3   | 78  | 69  | 62  | 56  | 70 | 62 | 56 | 51 | 50 | 46 | 42 | 39 | 36 | 34 | 29 | 27 | 25 | 20 |
| 4   | 71  | 61  | 53  | 47  | 64 | 55 | 49 | 43 | 45 | 40 | 36 | 35 | 31 | 29 | 26 | 23 | 22 | 17 |
| 5   | 65  | 54  | 46  | 40  | 59 | 49 | 42 | 37 | 40 | 35 | 31 | 31 | 28 | 25 | 23 | 21 | 19 | 15 |
| 6   | 60  | 48  | 41  | 35  | 54 | 44 | 37 | 32 | 36 | 31 | 27 | 28 | 24 | 22 | 21 | 18 | 16 | 13 |
| 7   | 56  | 44  | 36  | 30  | 50 | 40 | 33 | 28 | 32 | 27 | 24 | 25 | 22 | 19 | 19 | 17 | 15 | 12 |
| 8   | 52  | 40  | 32  | 27  | 46 | 36 | 29 | 25 | 29 | 24 | 21 | 23 | 20 | 17 | 17 | 15 | 13 | 11 |
| 9   | 48  | 36  | 29  | 24  | 43 | 33 | 26 | 22 | 27 | 22 | 19 | 21 | 18 | 15 | 16 | 14 | 12 | 10 |
| 10  | 45  | 33  | 26  | 21  | 40 | 30 | 24 | 20 | 25 | 20 | 17 | 20 | 16 | 14 | 15 | 12 | 11 | 9  |

**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 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 44.9   | 1.2       |
| 10°-20°   | 126.9  | 3.5       |
| 20°-30°   | 187.3  | 5.2       |
| 30°-40°   | 218.5  | 6.1       |
| 40°-50°   | 219.5  | 6.1       |
| 50°-60°   | 192.7  | 5.3       |
| 60°-70°   | 143.6  | 4.0       |
| 70°-80°   | 82.1   | 2.3       |
| 80°-90°   | 25.6   | 0.7       |
| 90°-100°  | 229.2  | 6.3       |
| 100°-110° | 492.7  | 13.6      |
| 110°-120° | 462.4  | 12.8      |
| 120°-130° | 374.7  | 10.4      |
| 130°-140° | 300.7  | 8.3       |
| 140°-150° | 226.9  | 6.3       |
| 150°-160° | 159.7  | 4.4       |
| 160°-170° | 94.2   | 2.6       |
| 170°-180° | 30.6   | 0.8       |
| 0°-30°    | 359.1  | 9.9       |
| 0°-40°    | 577.6  | 16.0      |
| 0°-60°    | 989.8  | 27.4      |
| 0°-90°    | 1241.1 | 34.4      |
| 90°-120°  | 1184.3 | 32.8      |
| 90°-150°  | 2086.6 | 57.8      |
| 90°-180°  | 2371.0 | 65.6      |
| 0°-180°   | 3612.3 | 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   | 6     | 10  | 13    | 15  | 2    |
| 95°  | 21  | 62    | 565 | 256   | 150 | 22   |
| 105° | 72  | 101   | 462 | 910   | 845 | 76   |
| 115° | 129 | 155   | 371 | 800   | 941 | 127  |
| 125° | 178 | 209   | 356 | 636   | 741 | 158  |
| 135° | 209 | 252   | 353 | 533   | 616 | 162  |
| 145° | 244 | 279   | 354 | 441   | 486 | 153  |
| 155° | 278 | 299   | 346 | 390   | 407 | 128  |
| 165° | 304 | 312   | 332 | 352   | 357 | 85   |
| 175° | 316 | 316   | 318 | 322   | 321 | 30   |
| 180° | 316 | 316   | 316 | 316   | 316 |      |



TEST NUMBER: P333141-930

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**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°  | 8.2   | 8.4   | 8.6   | 8.9   | 9.1   | 9.4   | 9.5   | 9.6   | 9.7   | 9.9   | 10.0  |
| 90°    | 0.7   | 1.3   | 2.5   | 3.8   | 5.1   | 6.4   | 7.0   | 8.3   | 8.9   | 10.2  | 10.8  |
| 92.5°  | 7.7   | 9.5   | 14.8  | 22.7  | 33.7  | 52.3  | 87.1  | 145.4 | 208.8 | 205.5 | 166.4 |
| 95°    | 21.0  | 21.7  | 26.7  | 33.8  | 47.8  | 76.5  | 144.7 | 284.9 | 460.9 | 564.8 | 552.7 |
| 97.5°  | 34.9  | 35.7  | 39.3  | 46.3  | 58.9  | 79.6  | 124.7 | 227.5 | 411.6 | 603.2 | 699.3 |
| 100°   | 44.6  | 45.9  | 48.4  | 55.4  | 67.6  | 86.7  | 123.7 | 206.5 | 367.2 | 575.7 | 735.0 |
| 102.5° | 55.4  | 56.1  | 58.1  | 65.6  | 76.7  | 95.4  | 128.2 | 197.9 | 333.5 | 527.2 | 713.6 |
| 105°   | 72.1  | 72.1  | 75.3  | 81.6  | 91.8  | 109.7 | 137.7 | 194.4 | 300.9 | 462.2 | 645.1 |
| 107.5° | 88.4  | 89.6  | 92.7  | 97.9  | 108.5 | 124.6 | 151.7 | 200.3 | 287.1 | 417.4 | 575.3 |
| 110°   | 100.1 | 101.3 | 103.9 | 109.7 | 119.2 | 135.7 | 161.9 | 205.9 | 283.1 | 396.5 | 535.5 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 111.8 | 113.1 | 115.1 | 120.8 | 130.4 | 146.5 | 171.6 | 213.0 | 283.1 | 384.3 | 505.9 |
| 115°   | 128.7 | 130.0 | 132.0 | 137.7 | 147.2 | 163.2 | 186.8 | 223.7 | 284.9 | 371.0 | 473.6 |
| 117.5° | 144.1 | 146.0 | 148.1 | 153.8 | 164.6 | 180.0 | 202.4 | 236.0 | 289.2 | 364.5 | 454.4 |
| 120°   | 154.3 | 156.2 | 158.7 | 164.4 | 175.3 | 191.3 | 213.5 | 244.2 | 293.3 | 361.4 | 443.7 |
| 122.5° | 165.0 | 166.4 | 168.4 | 174.1 | 186.1 | 201.9 | 224.3 | 253.3 | 296.8 | 358.9 | 434.5 |
| 125°   | 178.5 | 179.8 | 183.0 | 188.7 | 200.8 | 217.4 | 238.4 | 265.8 | 302.8 | 355.7 | 422.0 |
| 127.5° | 189.1 | 191.0 | 195.1 | 202.4 | 215.2 | 231.8 | 252.1 | 277.3 | 309.6 | 354.2 | 410.5 |
| 130°   | 195.7 | 197.6 | 202.7 | 211.0 | 224.4 | 241.0 | 260.7 | 284.9 | 313.6 | 353.2 | 402.9 |
| 132.5° | 200.8 | 203.3 | 209.4 | 218.7 | 232.5 | 249.2 | 268.9 | 291.6 | 318.2 | 353.2 | 396.8 |
| 135°   | 209.1 | 211.7 | 219.3 | 229.5 | 242.9 | 260.1 | 279.9 | 300.9 | 324.5 | 353.2 | 389.5 |
| 137.5° | 219.6 | 221.4 | 228.6 | 238.8 | 251.9 | 269.6 | 287.6 | 307.8 | 330.2 | 353.9 | 383.0 |
| 140°   | 225.7 | 227.6 | 235.2 | 245.4 | 257.6 | 274.8 | 293.3 | 312.3 | 332.7 | 354.4 | 379.9 |
| 142.5° | 232.8 | 234.2 | 241.3 | 251.5 | 263.2 | 279.3 | 296.8 | 315.0 | 334.3 | 355.0 | 377.4 |
| 145°   | 243.5 | 244.8 | 251.2 | 260.1 | 271.6 | 286.3 | 302.8 | 318.7 | 336.0 | 354.4 | 373.6 |
| 147.5° | 254.7 | 255.5 | 261.0 | 269.3 | 279.2 | 292.1 | 306.6 | 321.1 | 336.6 | 352.8 | 369.6 |
| 150°   | 261.4 | 262.6 | 267.1 | 275.4 | 284.3 | 295.1 | 309.2 | 322.5 | 336.6 | 351.2 | 366.6 |
| 152.5° | 268.5 | 269.3 | 273.2 | 280.5 | 288.9 | 298.7 | 311.7 | 323.6 | 336.1 | 349.2 | 363.0 |
| 155°   | 277.9 | 277.9 | 281.8 | 288.1 | 294.5 | 303.5 | 314.3 | 324.5 | 334.7 | 345.5 | 357.0 |
| 157.5° | 286.3 | 286.3 | 289.3 | 294.7 | 300.4 | 307.1 | 316.4 | 325.1 | 333.0 | 341.7 | 351.4 |
| 160°   | 292.0 | 291.3 | 293.9 | 298.3 | 303.5 | 309.2 | 317.5 | 325.1 | 331.5 | 339.2 | 346.8 |
| 162.5° | 296.5 | 296.0 | 298.5 | 302.4 | 306.5 | 311.2 | 318.5 | 324.6 | 330.0 | 336.1 | 342.7 |
| 165°   | 303.5 | 302.1 | 304.1 | 307.3 | 309.8 | 313.6 | 318.7 | 323.8 | 327.7 | 331.5 | 336.6 |
| 167.5° | 308.0 | 307.4 | 308.5 | 310.3 | 312.1 | 314.5 | 318.7 | 322.3 | 324.1 | 327.0 | 330.6 |
| 170°   | 311.1 | 310.5 | 311.1 | 312.3 | 313.6 | 315.5 | 318.7 | 321.3 | 322.5 | 324.5 | 327.0 |
| 172.5° | 313.2 | 312.0 | 312.6 | 313.9 | 314.6 | 315.5 | 318.2 | 320.2 | 320.5 | 321.4 | 323.4 |
| 175°   | 315.5 | 314.3 | 315.0 | 315.5 | 315.5 | 315.5 | 317.5 | 318.7 | 318.1 | 318.1 | 318.7 |
| 177.5° | 316.7 | 315.7 | 315.7 | 316.2 | 315.7 | 315.7 | 316.7 | 317.2 | 316.2 | 316.2 | 316.7 |
| 180°   | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 |



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**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°  | 10.1  | 10.3  | 10.4  | 10.6  | 10.4  | 10.3  | 10.3  | 10.2  |
| 90°    | 11.5  | 12.1  | 12.7  | 14.0  | 14.0  | 14.0  | 14.7  | 14.7  |
| 92.5°  | 113.0 | 82.0  | 61.7  | 52.3  | 44.1  | 42.6  | 41.7  | 40.7  |
| 95°    | 458.4 | 361.4 | 283.1 | 229.5 | 184.3 | 165.1 | 160.0 | 149.8 |
| 97.5°  | 682.7 | 614.7 | 538.3 | 463.8 | 424.4 | 388.7 | 370.2 | 362.1 |
| 100°   | 784.1 | 752.8 | 687.2 | 620.9 | 576.9 | 531.0 | 507.4 | 497.3 |
| 102.5° | 818.2 | 837.6 | 806.0 | 761.2 | 714.1 | 681.4 | 655.8 | 648.2 |
| 105°   | 798.1 | 885.5 | 913.5 | 906.5 | 886.1 | 865.0 | 852.3 | 844.7 |
| 107.5° | 726.2 | 842.8 | 914.8 | 948.0 | 958.4 | 958.2 | 954.1 | 948.9 |
| 110°   | 673.2 | 794.3 | 884.2 | 938.3 | 967.0 | 979.2 | 983.7 | 983.7 |





TEST NUMBER: P333141-930

CATALOG NUMBER: S125DIP-S375D810U930-4F0-1E-UDD-F4

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 631.4 | 746.3 | 837.2 | 901.2 | 943.1 | 963.8 | 974.9 | 979.6 |
| 115°   | 578.9 | 677.7 | 765.0 | 834.5 | 884.2 | 914.8 | 932.6 | 940.9 |
| 117.5° | 544.9 | 630.1 | 705.3 | 769.1 | 818.8 | 850.4 | 868.1 | 873.2 |
| 120°   | 526.5 | 603.1 | 673.2 | 729.3 | 776.4 | 807.1 | 824.3 | 829.3 |
| 122.5° | 512.8 | 583.7 | 646.1 | 698.7 | 740.8 | 768.8 | 786.0 | 790.6 |
| 125°   | 492.8 | 557.8 | 613.3 | 659.2 | 694.9 | 721.0 | 735.0 | 741.4 |
| 127.5° | 472.4 | 533.0 | 584.8 | 627.8 | 660.1 | 683.2 | 696.5 | 699.3 |
| 130°   | 459.6 | 515.8 | 565.4 | 606.9 | 638.8 | 659.8 | 672.5 | 676.4 |
| 132.5° | 446.9 | 499.4 | 544.5 | 584.4 | 616.3 | 637.3 | 649.1 | 653.4 |
| 135°   | 430.3 | 474.3 | 515.1 | 551.4 | 579.4 | 600.5 | 612.0 | 615.8 |
| 137.5° | 416.3 | 451.8 | 485.8 | 516.6 | 541.8 | 560.8 | 571.4 | 575.7 |
| 140°   | 408.6 | 438.5 | 467.9 | 494.6 | 518.3 | 534.8 | 544.4 | 547.6 |
| 142.5° | 402.0 | 427.4 | 452.6 | 475.8 | 495.9 | 509.9 | 518.9 | 521.5 |
| 145°   | 393.3 | 413.1 | 432.8 | 450.0 | 465.4 | 476.2 | 483.2 | 485.8 |
| 147.5° | 385.1 | 401.2 | 416.4 | 429.4 | 441.5 | 450.2 | 454.3 | 455.4 |
| 150°   | 380.6 | 394.6 | 406.7 | 418.2 | 427.8 | 435.4 | 438.0 | 438.5 |
| 152.5° | 375.4 | 388.0 | 399.1 | 408.0 | 416.0 | 422.2 | 424.7 | 425.3 |
| 155°   | 367.9 | 378.1 | 386.9 | 394.0 | 400.3 | 404.8 | 406.7 | 407.3 |
| 157.5° | 360.2 | 368.6 | 375.4 | 381.0 | 386.0 | 389.6 | 391.4 | 391.3 |
| 160°   | 355.1 | 361.4 | 367.9 | 372.3 | 376.7 | 379.9 | 381.2 | 380.6 |
| 162.5° | 349.4 | 355.3 | 360.7 | 364.6 | 368.1 | 370.7 | 371.0 | 370.9 |
| 165°   | 341.7 | 346.2 | 350.0 | 353.2 | 355.7 | 357.0 | 357.0 | 357.0 |
| 167.5° | 334.3 | 337.2 | 340.1 | 342.4 | 343.7 | 344.9 | 344.4 | 344.2 |
| 170°   | 330.2 | 332.2 | 334.0 | 335.3 | 336.6 | 337.2 | 337.2 | 336.6 |
| 172.5° | 325.6 | 327.5 | 329.0 | 329.7 | 330.0 | 331.1 | 330.1 | 329.5 |
| 175°   | 320.7 | 320.7 | 322.0 | 322.0 | 322.0 | 322.5 | 321.3 | 320.7 |
| 177.5° | 317.2 | 317.7 | 317.7 | 317.7 | 317.2 | 317.7 | 316.2 | 316.2 |
| 180°   | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 | 316.2 |

(END OF REPORT)