

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: P333643-830

Luminaire Tested: **S125RDIW-S375D470U830-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333643-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-11,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125RDIW-S375D470U830-4F0-1E-UDD-F1  
Description: DEFINE 5 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED  
HOUSING  
UPLIGHT 470 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2895.6 lumens  
Efficiency: N/A  
Efficacy: 125.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')  
CIE Type: General Diffuse

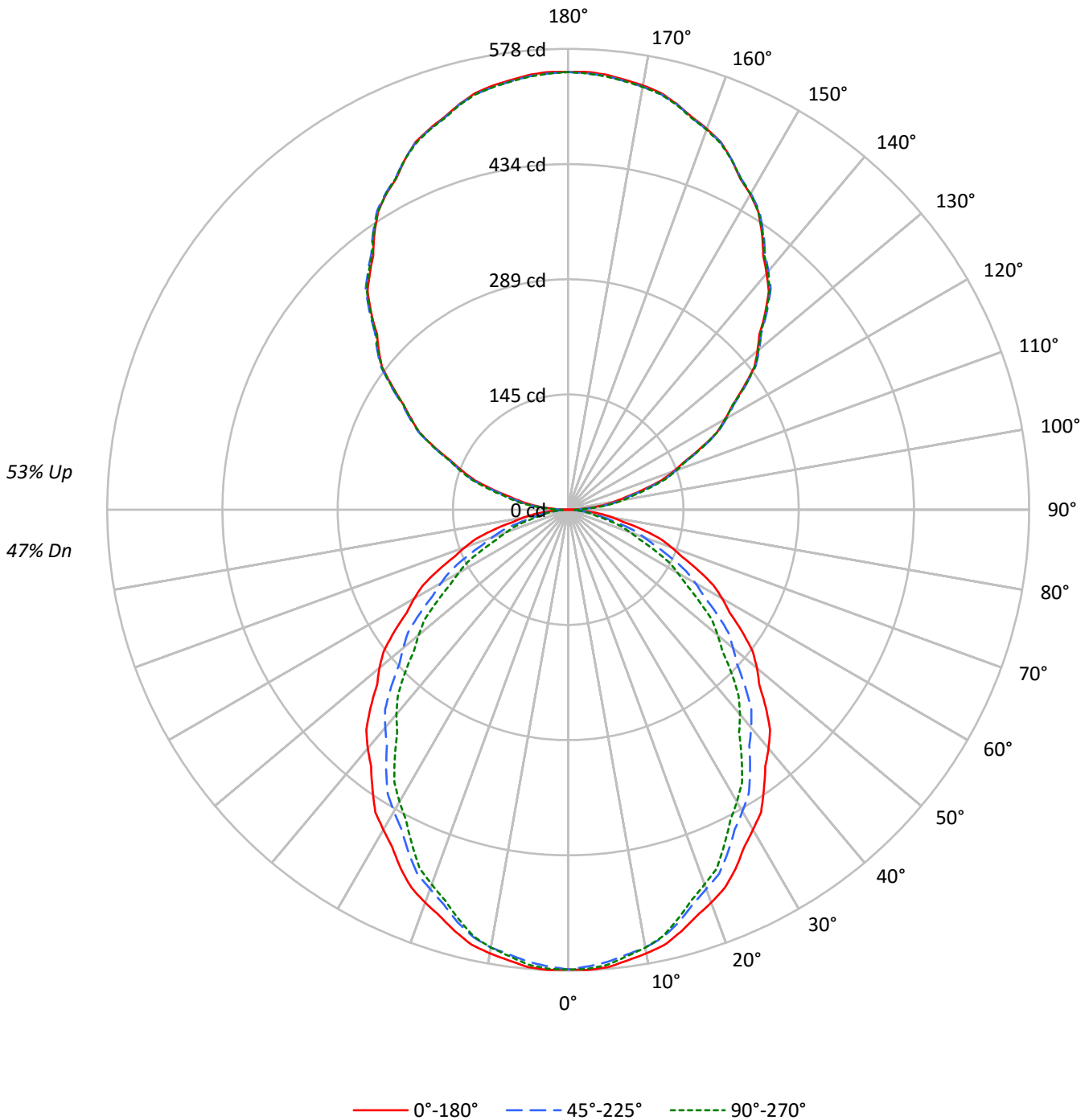
Input Watts (W): 23  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333643-830

CATALOG NUMBER: S125RDIW-S375D470U830-4F0-1E-UDD-F1

### Luminous Intensity Polar Plot





TEST NUMBER: P333643-830

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 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   | 106 | 106 | 106 | 106 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 67 | 67 | 67 | 53 | 53 | 53 | 47 |
| 1   | 97  | 93  | 89  | 86  | 89 | 86 | 83 | 80 | 72 | 70 | 68 | 59 | 58 | 56 | 48 | 47 | 46 | 40 |
| 2   | 89  | 82  | 76  | 70  | 81 | 75 | 70 | 66 | 63 | 59 | 56 | 52 | 50 | 47 | 42 | 40 | 39 | 34 |
| 3   | 81  | 72  | 65  | 59  | 74 | 66 | 60 | 55 | 56 | 51 | 47 | 46 | 43 | 40 | 37 | 35 | 33 | 29 |
| 4   | 74  | 64  | 56  | 50  | 68 | 59 | 52 | 47 | 50 | 45 | 41 | 41 | 38 | 35 | 34 | 31 | 29 | 25 |
| 5   | 68  | 57  | 49  | 43  | 62 | 53 | 46 | 40 | 45 | 39 | 35 | 37 | 33 | 30 | 30 | 27 | 25 | 22 |
| 6   | 63  | 51  | 43  | 37  | 58 | 47 | 40 | 35 | 40 | 35 | 31 | 34 | 30 | 26 | 28 | 25 | 22 | 19 |
| 7   | 58  | 46  | 38  | 33  | 53 | 43 | 36 | 31 | 37 | 31 | 27 | 31 | 26 | 23 | 25 | 22 | 20 | 17 |
| 8   | 54  | 42  | 34  | 29  | 50 | 39 | 32 | 27 | 33 | 28 | 24 | 28 | 24 | 21 | 23 | 20 | 18 | 15 |
| 9   | 50  | 38  | 31  | 26  | 46 | 36 | 29 | 24 | 31 | 25 | 22 | 26 | 22 | 19 | 21 | 18 | 16 | 14 |
| 10  | 47  | 35  | 28  | 23  | 43 | 33 | 26 | 22 | 28 | 23 | 19 | 24 | 20 | 17 | 20 | 17 | 15 | 13 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 3725 | 3725 | 3725 |
| 5°  | 3734 | 3691 | 3713 |
| 10° | 3705 | 3657 | 3657 |
| 15° | 3661 | 3582 | 3553 |
| 20° | 3604 | 3478 | 3437 |
| 25° | 3539 | 3377 | 3302 |
| 30° | 3456 | 3258 | 3155 |
| 35° | 3372 | 3136 | 2988 |
| 40° | 3295 | 3008 | 2824 |
| 45° | 3199 | 2865 | 2645 |
| 50° | 3104 | 2710 | 2460 |
| 55° | 2992 | 2559 | 2262 |
| 60° | 2880 | 2381 | 2047 |
| 65° | 2749 | 2170 | 1803 |
| 70° | 2598 | 1907 | 1554 |
| 75° | 2393 | 1609 | 1293 |
| 80° | 2105 | 1261 | 1086 |
| 85° | 1771 | 1030 | 971  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 54.2   | 1.9       |
| 10°-20°   | 151.6  | 5.2       |
| 20°-30°   | 219.8  | 7.6       |
| 30°-40°   | 250.5  | 8.7       |
| 40°-50°   | 244.1  | 8.4       |
| 50°-60°   | 205.5  | 7.1       |
| 60°-70°   | 144.1  | 5.0       |
| 70°-80°   | 74.1   | 2.6       |
| 80°-90°   | 19.9   | 0.7       |
| 90°-100°  | 36.8   | 1.3       |
| 100°-110° | 108.6  | 3.7       |
| 110°-120° | 183.9  | 6.4       |
| 120°-130° | 242.0  | 8.4       |
| 130°-140° | 271.2  | 9.4       |
| 140°-150° | 265.8  | 9.2       |
| 150°-160° | 223.2  | 7.7       |
| 160°-170° | 148.4  | 5.1       |
| 170°-180° | 51.9   | 1.8       |
| 0°-30°    | 425.6  | 14.7      |
| 0°-40°    | 676.0  | 23.3      |
| 0°-60°    | 1125.7 | 38.9      |
| 0°-90°    | 1363.7 | 47.1      |
| 90°-120°  | 329.3  | 11.4      |
| 90°-150°  | 1108.3 | 38.3      |
| 90°-180°  | 1532.0 | 52.9      |
| 0°-180°   | 2895.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 577 | 577   | 577 | 577   | 577 |      |
| 5°   | 576 | 574   | 569 | 573   | 573 | 55   |
| 15°  | 548 | 545   | 536 | 535   | 531 | 154  |
| 25°  | 497 | 490   | 474 | 468   | 463 | 228  |
| 35°  | 428 | 417   | 398 | 385   | 379 | 268  |
| 45°  | 350 | 337   | 314 | 297   | 290 | 270  |
| 55°  | 266 | 251   | 227 | 208   | 201 | 238  |
| 65°  | 180 | 165   | 142 | 125   | 118 | 178  |
| 75°  | 96  | 83    | 64  | 55    | 52  | 101  |
| 85°  | 24  | 16    | 14  | 14    | 13  | 27   |
| 90°  | 0   | 4     | 7   | 9     | 10  | 3    |
| 95°  | 28  | 29    | 33  | 36    | 37  | 30   |
| 105° | 97  | 100   | 102 | 105   | 106 | 104  |
| 115° | 184 | 186   | 187 | 186   | 186 | 182  |
| 125° | 269 | 271   | 272 | 271   | 270 | 241  |
| 135° | 349 | 352   | 352 | 352   | 351 | 269  |
| 145° | 423 | 425   | 426 | 426   | 425 | 265  |
| 155° | 484 | 484   | 485 | 486   | 484 | 223  |
| 165° | 527 | 526   | 526 | 528   | 526 | 149  |
| 175° | 548 | 546   | 546 | 548   | 546 | 52   |
| 180° | 549 | 549   | 549 | 549   | 549 |      |



TEST NUMBER: P333643-830

CATALOG NUMBER: S125RDIW-S375D470U830-4F0-1E-UDD-F1

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 576.7 | 576.7 | 576.7 | 576.7 | 576.7 | 576.7 | 576.7 | 576.7 | 576.7 | 576.7 | 576.7 |
| 2.5°   | 577.8 | 577.6 | 577.3 | 577.1 | 576.8 | 576.4 | 575.6 | 574.8 | 574.0 | 573.3 | 574.0 |
| 5°     | 575.9 | 575.5 | 575.1 | 574.7 | 574.3 | 573.6 | 572.5 | 571.5 | 570.4 | 569.3 | 570.3 |
| 7.5°   | 570.2 | 569.9 | 569.5 | 569.1 | 568.7 | 567.9 | 566.7 | 565.3 | 564.1 | 562.8 | 563.5 |
| 10°    | 565.0 | 564.7 | 564.4 | 564.1 | 563.8 | 563.0 | 561.7 | 560.2 | 558.9 | 557.6 | 557.9 |
| 12.5°  | 559.0 | 558.6 | 558.4 | 558.0 | 557.6 | 556.5 | 554.7 | 552.9 | 551.0 | 549.2 | 549.4 |
| 15°    | 547.5 | 547.0 | 546.4 | 545.8 | 545.3 | 543.9 | 541.9 | 539.9 | 537.8 | 535.8 | 535.7 |
| 17.5°  | 534.6 | 533.7 | 532.8 | 531.9 | 531.0 | 529.3 | 526.7 | 524.1 | 521.6 | 519.1 | 518.6 |
| 20°    | 524.4 | 523.5 | 522.5 | 521.6 | 520.6 | 518.6 | 515.5 | 512.4 | 509.3 | 506.1 | 505.7 |
| 22.5°  | 513.3 | 512.4 | 511.4 | 510.4 | 509.4 | 507.4 | 504.1 | 500.9 | 497.6 | 494.4 | 493.4 |
| 25°    | 496.6 | 495.1 | 493.7 | 492.2 | 490.8 | 488.2 | 484.7 | 481.1 | 477.5 | 473.9 | 472.7 |
| 27.5°  | 477.4 | 475.7 | 473.9 | 472.1 | 470.3 | 467.6 | 463.7 | 459.9 | 456.1 | 452.2 | 450.4 |
| 30°    | 463.4 | 461.7 | 459.8 | 458.0 | 456.1 | 453.2 | 449.1 | 445.1 | 441.0 | 436.9 | 434.7 |
| 32.5°  | 449.9 | 447.7 | 445.6 | 443.5 | 441.3 | 438.2 | 434.0 | 429.9 | 425.7 | 421.6 | 419.1 |
| 35°    | 427.7 | 425.5 | 423.1 | 420.8 | 418.5 | 415.1 | 410.8 | 406.4 | 402.1 | 397.8 | 394.9 |
| 37.5°  | 406.0 | 403.2 | 400.4 | 397.6 | 394.7 | 391.1 | 386.6 | 382.1 | 377.7 | 373.2 | 369.8 |
| 40°    | 390.8 | 387.9 | 384.9 | 382.0 | 379.1 | 375.3 | 370.7 | 366.1 | 361.4 | 356.8 | 353.1 |
| 42.5°  | 374.7 | 371.7 | 368.7 | 365.8 | 362.8 | 358.9 | 354.1 | 349.3 | 344.5 | 339.7 | 336.2 |
| 45°    | 350.2 | 347.4 | 344.6 | 341.8 | 339.0 | 334.9 | 329.6 | 324.3 | 319.0 | 313.7 | 309.7 |
| 47.5°  | 324.9 | 321.9 | 319.0 | 315.9 | 313.0 | 308.9 | 303.5 | 298.1 | 292.8 | 287.4 | 283.4 |
| 50°    | 308.9 | 305.7 | 302.5 | 299.3 | 296.1 | 291.7 | 286.2 | 280.7 | 275.1 | 269.7 | 265.6 |
| 52.5°  | 291.4 | 288.1 | 284.8 | 281.6 | 278.3 | 274.1 | 268.9 | 263.6 | 258.4 | 253.3 | 248.9 |
| 55°    | 265.7 | 262.6 | 259.5 | 256.5 | 253.4 | 249.1 | 243.6 | 238.2 | 232.8 | 227.3 | 223.0 |
| 57.5°  | 239.8 | 236.5 | 233.1 | 229.8 | 226.5 | 222.3 | 217.0 | 211.8 | 206.6 | 201.3 | 197.1 |
| 60°    | 223.0 | 219.6 | 216.2 | 212.8 | 209.4 | 205.2 | 199.9 | 194.7 | 189.5 | 184.3 | 180.0 |
| 62.5°  | 205.3 | 202.0 | 198.8 | 195.6 | 192.3 | 188.0 | 182.8 | 177.5 | 172.1 | 166.8 | 162.9 |
| 65°    | 179.9 | 176.6 | 173.3 | 170.0 | 166.7 | 162.5 | 157.4 | 152.3 | 147.1 | 142.0 | 138.2 |
| 67.5°  | 154.8 | 151.5 | 148.2 | 144.9 | 141.6 | 137.4 | 132.5 | 127.6 | 122.7 | 117.8 | 114.2 |
| 70°    | 137.6 | 134.4 | 131.1 | 127.8 | 124.5 | 120.5 | 115.6 | 110.7 | 105.9 | 101.0 | 98.0  |
| 72.5°  | 120.9 | 117.7 | 114.5 | 111.3 | 108.1 | 104.2 | 99.6  | 95.1  | 90.6  | 86.1  | 83.3  |
| 75°    | 95.9  | 92.9  | 90.0  | 87.1  | 84.3  | 80.8  | 76.6  | 72.6  | 68.5  | 64.5  | 62.3  |
| 77.5°  | 70.9  | 68.6  | 66.3  | 63.9  | 61.6  | 58.8  | 55.6  | 52.3  | 49.1  | 45.8  | 44.3  |
| 80°    | 56.6  | 54.3  | 52.0  | 49.7  | 47.3  | 44.9  | 42.1  | 39.4  | 36.7  | 33.9  | 33.1  |
| 82.5°  | 42.7  | 40.6  | 38.5  | 36.4  | 34.3  | 32.3  | 30.5  | 28.7  | 26.8  | 24.9  | 24.5  |
| 85°    | 23.9  | 22.2  | 20.5  | 18.8  | 17.0  | 15.8  | 15.4  | 14.9  | 14.4  | 13.9  | 13.9  |
| 87.5°  | 8.1   | 7.7   | 7.4   | 7.0   | 6.5   | 6.4   | 6.4   | 6.5   | 6.5   | 6.6   | 6.7   |
| 90°    | 0.5   | 1.2   | 2.0   | 2.7   | 3.5   | 4.1   | 4.8   | 5.5   | 6.1   | 6.9   | 7.4   |
| 92.5°  | 10.4  | 10.8  | 11.4  | 12.0  | 12.4  | 13.1  | 13.9  | 14.8  | 15.6  | 16.4  | 17.1  |
| 95°    | 27.8  | 28.0  | 28.2  | 28.4  | 28.6  | 29.1  | 30.1  | 31.0  | 32.0  | 32.9  | 33.6  |
| 97.5°  | 46.1  | 46.2  | 46.3  | 46.4  | 46.5  | 47.1  | 48.4  | 49.8  | 51.1  | 52.4  | 53.0  |
| 100°   | 59.9  | 59.9  | 59.9  | 59.9  | 59.9  | 60.4  | 61.6  | 62.9  | 64.1  | 65.3  | 66.3  |
| 102.5° | 74.5  | 74.8  | 75.3  | 75.7  | 76.1  | 76.5  | 77.2  | 77.8  | 78.4  | 79.0  | 79.9  |
| 105°   | 97.4  | 97.8  | 98.3  | 98.8  | 99.3  | 99.8  | 100.4 | 100.9 | 101.5 | 102.1 | 102.6 |
| 107.5° | 122.7 | 123.2 | 123.7 | 124.1 | 124.6 | 125.1 | 125.5 | 125.9 | 126.4 | 126.8 | 127.1 |
| 110°   | 140.2 | 140.6 | 141.1 | 141.6 | 142.0 | 142.4 | 142.7 | 143.0 | 143.3 | 143.5 | 143.8 |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 157.9 | 158.2 | 158.3 | 158.6 | 158.9 | 159.2 | 159.6 | 159.9 | 160.2 | 160.6 | 160.8 |
| 115°   | 184.1 | 184.5 | 184.9 | 185.3 | 185.7 | 186.0 | 186.2 | 186.3 | 186.5 | 186.7 | 186.6 |
| 117.5° | 210.5 | 210.6 | 210.8 | 210.9 | 211.1 | 211.3 | 211.5 | 211.6 | 211.8 | 212.0 | 212.1 |
| 120°   | 226.9 | 227.3 | 227.8 | 228.3 | 228.8 | 229.0 | 229.1 | 229.2 | 229.3 | 229.4 | 229.4 |
| 122.5° | 244.6 | 244.8 | 245.0 | 245.2 | 245.2 | 245.5 | 245.7 | 246.0 | 246.3 | 246.5 | 246.4 |
| 125°   | 268.7 | 269.3 | 269.8 | 270.4 | 271.0 | 271.4 | 271.5 | 271.5 | 271.6 | 271.7 | 271.5 |
| 127.5° | 294.4 | 294.6 | 295.0 | 295.3 | 295.7 | 295.9 | 296.0 | 296.1 | 296.1 | 296.3 | 296.2 |
| 130°   | 309.7 | 310.2 | 310.7 | 311.1 | 311.6 | 312.0 | 312.2 | 312.4 | 312.5 | 312.7 | 312.6 |
| 132.5° | 325.1 | 325.8 | 326.7 | 327.4 | 328.2 | 328.6 | 328.6 | 328.5 | 328.5 | 328.4 | 328.3 |
| 135°   | 349.4 | 350.1 | 350.6 | 351.2 | 351.8 | 352.0 | 352.1 | 352.2 | 352.3 | 352.4 | 352.4 |
| 137.5° | 372.3 | 372.9 | 373.4 | 374.0 | 374.6 | 374.9 | 375.1 | 375.3 | 375.5 | 375.8 | 375.9 |
| 140°   | 387.0 | 387.5 | 388.0 | 388.4 | 388.9 | 389.4 | 389.6 | 389.9 | 390.2 | 390.5 | 390.7 |
| 142.5° | 401.7 | 402.1 | 402.6 | 402.9 | 403.3 | 403.7 | 404.1 | 404.4 | 404.8 | 405.2 | 405.3 |
| 145°   | 423.4 | 423.8 | 424.1 | 424.5 | 424.9 | 425.2 | 425.5 | 425.7 | 426.0 | 426.3 | 426.3 |
| 147.5° | 443.4 | 443.6 | 443.7 | 443.9 | 444.2 | 444.4 | 444.6 | 444.9 | 445.1 | 445.4 | 445.5 |
| 150°   | 456.7 | 456.6 | 456.5 | 456.4 | 456.3 | 456.5 | 456.9 | 457.2 | 457.6 | 458.0 | 458.0 |
| 152.5° | 467.6 | 467.8 | 467.9 | 468.0 | 468.2 | 468.3 | 468.4 | 468.6 | 468.7 | 468.9 | 469.1 |
| 155°   | 484.5 | 484.5 | 484.5 | 484.5 | 484.5 | 484.5 | 484.6 | 484.7 | 484.7 | 484.8 | 485.2 |
| 157.5° | 499.5 | 499.3 | 499.1 | 498.9 | 498.6 | 498.6 | 498.7 | 498.8 | 498.9 | 499.0 | 499.4 |
| 160°   | 508.4 | 508.1 | 507.7 | 507.5 | 507.2 | 507.1 | 507.2 | 507.3 | 507.4 | 507.5 | 507.9 |
| 162.5° | 516.2 | 516.0 | 515.9 | 515.6 | 515.4 | 515.3 | 515.3 | 515.3 | 515.4 | 515.4 | 515.9 |
| 165°   | 526.7 | 526.5 | 526.3 | 526.1 | 525.9 | 525.9 | 526.0 | 526.1 | 526.2 | 526.3 | 526.7 |
| 167.5° | 535.6 | 535.3 | 534.9 | 534.5 | 534.1 | 534.0 | 534.0 | 534.0 | 534.0 | 534.0 | 534.5 |
| 170°   | 540.4 | 540.0 | 539.6 | 539.2 | 538.9 | 538.7 | 538.7 | 538.7 | 538.7 | 538.7 | 539.2 |
| 172.5° | 543.8 | 543.5 | 543.1 | 542.7 | 542.3 | 542.2 | 542.2 | 542.2 | 542.2 | 542.2 | 542.7 |
| 175°   | 547.7 | 547.2 | 546.9 | 546.5 | 546.1 | 545.9 | 545.9 | 545.9 | 545.9 | 545.9 | 546.5 |
| 177.5° | 549.6 | 549.3 | 549.0 | 548.7 | 548.4 | 548.2 | 548.2 | 548.1 | 548.0 | 547.9 | 548.4 |
| 180°   | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 576.7 | 576.7 | 576.7 | 576.7 | 576.7 | 576.7 | 576.7 | 576.7 |
| 2.5°   | 574.8 | 575.6 | 576.4 | 576.7 | 576.6 | 576.6 | 576.5 | 576.4 |
| 5°     | 571.3 | 572.2 | 573.2 | 573.6 | 573.4 | 573.2 | 573.0 | 572.8 |
| 7.5°   | 564.1 | 564.9 | 565.5 | 565.7 | 565.5 | 565.3 | 565.1 | 564.9 |
| 10°    | 558.2 | 558.5 | 558.7 | 558.7 | 558.5 | 558.2 | 557.9 | 557.6 |
| 12.5°  | 549.6 | 549.9 | 550.1 | 550.0 | 549.5 | 549.0 | 548.7 | 548.2 |
| 15°    | 535.6 | 535.5 | 535.4 | 534.9 | 534.0 | 533.2 | 532.3 | 531.4 |
| 17.5°  | 518.1 | 517.6 | 517.2 | 516.5 | 515.9 | 515.1 | 514.3 | 513.7 |
| 20°    | 505.2 | 504.7 | 504.3 | 503.6 | 502.7 | 501.8 | 501.0 | 500.1 |
| 22.5°  | 492.4 | 491.4 | 490.5 | 489.7 | 489.0 | 488.2 | 487.6 | 486.8 |
| 25°    | 471.5 | 470.1 | 468.9 | 467.8 | 466.7 | 465.6 | 464.6 | 463.4 |
| 27.5°  | 448.7 | 447.0 | 445.2 | 443.8 | 442.8 | 441.8 | 440.7 | 439.7 |
| 30°    | 432.4 | 430.3 | 428.0 | 426.5 | 425.6 | 424.7 | 423.9 | 423.0 |
| 32.5°  | 416.7 | 414.2 | 411.7 | 410.0 | 408.9 | 407.7 | 406.6 | 405.6 |
| 35°    | 392.1 | 389.3 | 386.4 | 384.4 | 383.0 | 381.7 | 380.3 | 379.0 |
| 37.5°  | 366.4 | 363.1 | 359.7 | 357.3 | 356.0 | 354.7 | 353.4 | 352.0 |
| 40°    | 349.4 | 345.7 | 342.0 | 339.6 | 338.5 | 337.3 | 336.1 | 335.0 |
| 42.5°  | 332.6 | 329.1 | 325.6 | 323.0 | 321.3 | 319.5 | 317.8 | 316.1 |
| 45°    | 305.9 | 302.0 | 298.1 | 295.5 | 294.1 | 292.6 | 291.2 | 289.6 |
| 47.5°  | 279.5 | 275.4 | 271.5 | 268.6 | 267.0 | 265.4 | 263.8 | 262.2 |
| 50°    | 261.5 | 257.4 | 253.4 | 250.6 | 249.2 | 247.7 | 246.3 | 244.8 |
| 52.5°  | 244.5 | 240.2 | 235.7 | 232.8 | 231.4 | 230.0 | 228.5 | 227.1 |
| 55°    | 218.7 | 214.3 | 210.0 | 207.0 | 205.5 | 203.9 | 202.4 | 200.9 |
| 57.5°  | 192.8 | 188.6 | 184.3 | 181.4 | 180.1 | 178.7 | 177.4 | 176.0 |
| 60°    | 175.8 | 171.4 | 167.2 | 164.4 | 162.9 | 161.5 | 160.0 | 158.5 |
| 62.5°  | 158.9 | 155.0 | 151.0 | 148.4 | 146.8 | 145.4 | 144.0 | 142.5 |
| 65°    | 134.2 | 130.4 | 126.5 | 123.9 | 122.4 | 120.9 | 119.5 | 118.0 |
| 67.5°  | 110.7 | 107.2 | 103.6 | 101.2 | 100.1 | 99.0  | 97.7  | 96.6  |
| 70°    | 95.1  | 92.1  | 89.1  | 87.0  | 85.8  | 84.6  | 83.5  | 82.3  |
| 72.5°  | 80.5  | 77.8  | 75.0  | 73.2  | 72.5  | 71.7  | 70.9  | 70.1  |
| 75°    | 60.2  | 58.1  | 56.0  | 54.6  | 53.9  | 53.2  | 52.5  | 51.8  |
| 77.5°  | 42.9  | 41.4  | 39.9  | 38.8  | 38.4  | 37.9  | 37.3  | 36.9  |
| 80°    | 32.2  | 31.4  | 30.5  | 30.0  | 29.8  | 29.6  | 29.4  | 29.2  |
| 82.5°  | 24.1  | 23.7  | 23.3  | 23.0  | 22.9  | 22.8  | 22.7  | 22.5  |
| 85°    | 13.8  | 13.7  | 13.6  | 13.5  | 13.4  | 13.3  | 13.2  | 13.1  |
| 87.5°  | 6.8   | 6.9   | 7.0   | 7.0   | 7.0   | 7.0   | 7.0   | 7.0   |
| 90°    | 7.8   | 8.3   | 8.8   | 9.1   | 9.4   | 9.7   | 10.0  | 10.3  |
| 92.5°  | 17.6  | 18.3  | 18.9  | 19.3  | 19.5  | 19.7  | 20.0  | 20.2  |
| 95°    | 34.2  | 34.9  | 35.5  | 36.0  | 36.2  | 36.4  | 36.6  | 36.8  |
| 97.5°  | 53.6  | 54.3  | 54.9  | 55.2  | 55.3  | 55.5  | 55.6  | 55.7  |
| 100°   | 67.1  | 68.0  | 68.8  | 69.3  | 69.5  | 69.7  | 69.8  | 70.0  |
| 102.5° | 80.9  | 81.8  | 82.8  | 83.3  | 83.6  | 83.9  | 84.2  | 84.5  |
| 105°   | 103.2 | 103.8 | 104.3 | 104.8 | 105.1 | 105.4 | 105.7 | 105.9 |
| 107.5° | 127.3 | 127.6 | 127.9 | 128.1 | 128.1 | 128.0 | 128.0 | 128.0 |
| 110°   | 144.1 | 144.4 | 144.7 | 144.8 | 144.7 | 144.6 | 144.5 | 144.4 |





TEST NUMBER: P333643-830

CATALOG NUMBER: S125RDIW-S375D470U830-4F0-1E-UDD-F1

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 160.9 | 161.0 | 161.2 | 161.2 | 161.0 | 160.8 | 160.6 | 160.4 |
| 115°   | 186.5 | 186.4 | 186.3 | 186.2 | 186.2 | 186.1 | 186.0 | 185.9 |
| 117.5° | 212.2 | 212.2 | 212.3 | 212.2 | 211.8 | 211.4 | 210.9 | 210.6 |
| 120°   | 229.4 | 229.4 | 229.4 | 229.2 | 228.8 | 228.5 | 228.1 | 227.7 |
| 122.5° | 246.4 | 246.3 | 246.2 | 246.0 | 245.7 | 245.4 | 245.1 | 244.8 |
| 125°   | 271.4 | 271.2 | 271.0 | 270.8 | 270.7 | 270.6 | 270.5 | 270.4 |
| 127.5° | 296.1 | 296.1 | 296.0 | 295.8 | 295.6 | 295.4 | 295.2 | 295.0 |
| 130°   | 312.5 | 312.5 | 312.4 | 312.2 | 312.0 | 311.8 | 311.6 | 311.4 |
| 132.5° | 328.2 | 328.1 | 328.0 | 327.9 | 327.6 | 327.3 | 327.1 | 326.8 |
| 135°   | 352.4 | 352.4 | 352.4 | 352.2 | 351.9 | 351.5 | 351.1 | 350.7 |
| 137.5° | 376.0 | 376.1 | 376.3 | 376.1 | 375.6 | 375.1 | 374.6 | 374.1 |
| 140°   | 390.9 | 391.1 | 391.2 | 391.1 | 390.6 | 390.1 | 389.6 | 389.2 |
| 142.5° | 405.4 | 405.5 | 405.6 | 405.4 | 404.9 | 404.4 | 404.0 | 403.5 |
| 145°   | 426.3 | 426.3 | 426.3 | 426.2 | 425.9 | 425.7 | 425.4 | 425.1 |
| 147.5° | 445.7 | 446.0 | 446.2 | 446.0 | 445.4 | 444.7 | 444.0 | 443.5 |
| 150°   | 458.0 | 458.0 | 458.0 | 457.9 | 457.7 | 457.5 | 457.3 | 457.1 |
| 152.5° | 469.4 | 469.6 | 469.8 | 469.8 | 469.4 | 469.1 | 468.7 | 468.3 |
| 155°   | 485.6 | 486.0 | 486.4 | 486.4 | 485.9 | 485.4 | 484.9 | 484.5 |
| 157.5° | 499.7 | 500.1 | 500.5 | 500.4 | 499.7 | 499.1 | 498.5 | 497.9 |
| 160°   | 508.3 | 508.7 | 509.1 | 509.0 | 508.5 | 508.0 | 507.6 | 507.1 |
| 162.5° | 516.3 | 516.7 | 517.2 | 517.2 | 516.6 | 516.0 | 515.5 | 514.9 |
| 165°   | 527.1 | 527.4 | 527.8 | 527.7 | 527.2 | 526.6 | 526.0 | 525.5 |
| 167.5° | 535.1 | 535.6 | 536.2 | 536.2 | 535.6 | 535.0 | 534.4 | 533.9 |
| 170°   | 539.8 | 540.4 | 541.0 | 540.9 | 540.3 | 539.6 | 538.9 | 538.3 |
| 172.5° | 543.3 | 543.8 | 544.4 | 544.4 | 543.8 | 543.2 | 542.6 | 542.1 |
| 175°   | 547.1 | 547.7 | 548.3 | 548.2 | 547.5 | 546.9 | 546.2 | 545.5 |
| 177.5° | 548.8 | 549.3 | 549.8 | 549.7 | 549.2 | 548.7 | 548.1 | 547.6 |
| 180°   | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 | 548.9 |

(END OF REPORT)