

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: P332245-940

Luminaire Tested: **S123RDIP-S340D365U940-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P332245-940  
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: S123RDIP-S340D365U940-4F0-1E-UDD-F4  
Description: DEFINE 3 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 340 LUMENS PER FOOT, FLUSH SATIN WHITE DIFFUSER, REGRESSED  
HOUSING  
UPLIGHT 365 LUMENS PER FOOT, BATWING OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2329.7 lumens  
Efficiency: N/A  
Efficacy: 114.8 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.06 / 1.22  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: General Diffuse

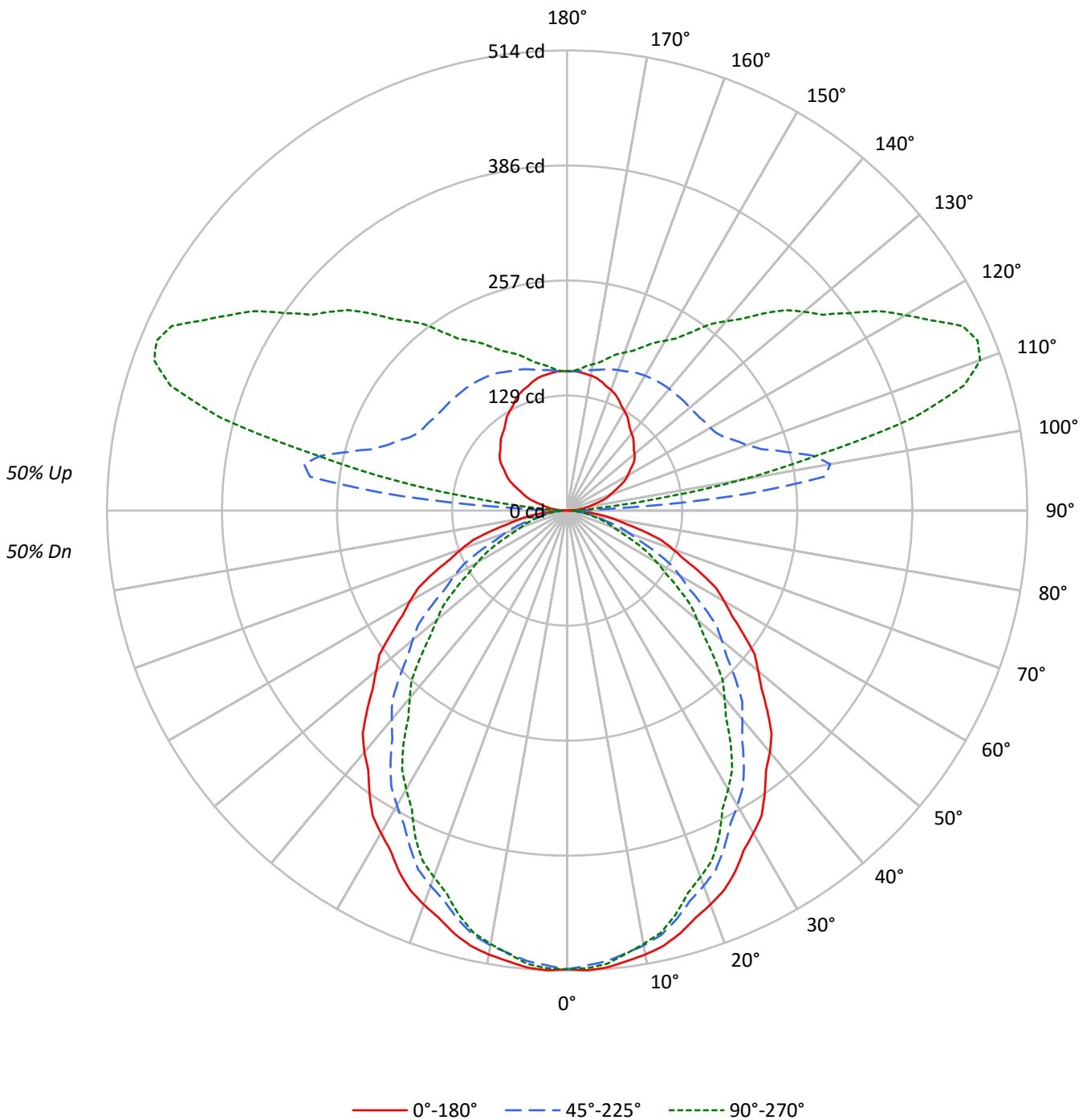
Input Watts (W): 20.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P332245-940

CATALOG NUMBER: S123RDIP-S340D365U940-4F0-1E-UDD-F4

### Luminous Intensity Polar Plot





TEST NUMBER: P332245-940

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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   | 107 | 107 | 107 | 107 | 99 | 99 | 99 | 99 | 83 | 83 | 83 | 69 | 69 | 69 | 56 | 56 | 56 | 50 |
| 1   | 98  | 94  | 90  | 87  | 90 | 87 | 84 | 81 | 73 | 71 | 69 | 61 | 60 | 58 | 50 | 49 | 48 | 43 |
| 2   | 90  | 82  | 76  | 71  | 82 | 76 | 71 | 67 | 65 | 61 | 58 | 54 | 51 | 49 | 44 | 42 | 41 | 36 |
| 3   | 82  | 73  | 65  | 60  | 75 | 67 | 61 | 56 | 57 | 53 | 49 | 48 | 45 | 42 | 40 | 37 | 35 | 31 |
| 4   | 75  | 64  | 57  | 51  | 69 | 60 | 53 | 48 | 51 | 46 | 42 | 43 | 39 | 36 | 35 | 33 | 30 | 27 |
| 5   | 69  | 58  | 50  | 44  | 63 | 54 | 46 | 41 | 46 | 40 | 36 | 39 | 35 | 31 | 32 | 29 | 27 | 23 |
| 6   | 64  | 52  | 44  | 38  | 59 | 48 | 41 | 36 | 41 | 36 | 32 | 35 | 31 | 28 | 29 | 26 | 24 | 21 |
| 7   | 59  | 47  | 39  | 33  | 54 | 44 | 37 | 32 | 38 | 32 | 28 | 32 | 28 | 25 | 27 | 24 | 21 | 19 |
| 8   | 55  | 43  | 35  | 30  | 50 | 40 | 33 | 28 | 34 | 29 | 25 | 29 | 25 | 22 | 25 | 21 | 19 | 17 |
| 9   | 51  | 39  | 31  | 26  | 47 | 36 | 30 | 25 | 32 | 26 | 22 | 27 | 23 | 20 | 23 | 20 | 17 | 15 |
| 10  | 48  | 36  | 29  | 24  | 44 | 33 | 27 | 23 | 29 | 24 | 20 | 25 | 21 | 18 | 21 | 18 | 16 | 14 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 5514 | 5514 | 5514 |
| 5°  | 5535 | 5459 | 5491 |
| 10° | 5503 | 5391 | 5372 |
| 15° | 5446 | 5264 | 5209 |
| 20° | 5363 | 5108 | 4987 |
| 25° | 5280 | 4930 | 4772 |
| 30° | 5169 | 4724 | 4467 |
| 35° | 5056 | 4520 | 4188 |
| 40° | 4950 | 4279 | 3842 |
| 45° | 4813 | 4042 | 3529 |
| 50° | 4662 | 3771 | 3178 |
| 55° | 4506 | 3462 | 2852 |
| 60° | 4366 | 3130 | 2495 |
| 65° | 4182 | 2774 | 2137 |
| 70° | 3950 | 2326 | 1725 |
| 75° | 3614 | 1834 | 1626 |
| 80° | 3217 | 1624 | 1494 |
| 85° | 2717 | 1433 | 1334 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 48.1   | 2.1       |
| 10°-20°   | 133.9  | 5.7       |
| 20°-30°   | 192.7  | 8.3       |
| 30°-40°   | 217.1  | 9.3       |
| 40°-50°   | 207.7  | 8.9       |
| 50°-60°   | 170.1  | 7.3       |
| 60°-70°   | 114.8  | 4.9       |
| 70°-80°   | 57.7   | 2.5       |
| 80°-90°   | 16.5   | 0.7       |
| 90°-100°  | 86.6   | 3.7       |
| 100°-110° | 245.3  | 10.5      |
| 110°-120° | 241.3  | 10.4      |
| 120°-130° | 192.5  | 8.3       |
| 130°-140° | 151.8  | 6.5       |
| 140°-150° | 113.3  | 4.9       |
| 150°-160° | 78.9   | 3.4       |
| 160°-170° | 46.4   | 2.0       |
| 170°-180° | 15.1   | 0.6       |
| 0°-30°    | 374.7  | 16.1      |
| 0°-40°    | 591.8  | 25.4      |
| 0°-60°    | 969.6  | 41.6      |
| 0°-90°    | 1158.5 | 49.7      |
| 90°-120°  | 573.2  | 24.6      |
| 90°-150°  | 1030.7 | 44.2      |
| 90°-180°  | 1171.0 | 50.3      |
| 0°-180°   | 2329.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 512 | 512   | 512 | 512   | 512 |      |
| 5°   | 512 | 510   | 505 | 509   | 508 | 49   |
| 15°  | 489 | 484   | 472 | 470   | 467 | 138  |
| 25°  | 445 | 434   | 415 | 407   | 402 | 204  |
| 35°  | 385 | 369   | 344 | 327   | 319 | 241  |
| 45°  | 316 | 297   | 266 | 243   | 232 | 244  |
| 55°  | 240 | 219   | 184 | 161   | 152 | 215  |
| 65°  | 164 | 141   | 109 | 89    | 84  | 162  |
| 75°  | 87  | 67    | 44  | 40    | 39  | 93   |
| 85°  | 22  | 13    | 12  | 11    | 11  | 25   |
| 90°  | 1   | 4     | 8   | 9     | 9   | 2    |
| 95°  | 11  | 35    | 187 | 55    | 37  | 12   |
| 105° | 37  | 54    | 253 | 443   | 401 | 39   |
| 115° | 65  | 80    | 194 | 425   | 488 | 64   |
| 125° | 90  | 106   | 181 | 328   | 384 | 80   |
| 135° | 105 | 126   | 178 | 270   | 312 | 81   |
| 145° | 120 | 138   | 176 | 221   | 244 | 75   |
| 155° | 136 | 147   | 170 | 194   | 202 | 63   |
| 165° | 149 | 153   | 163 | 173   | 176 | 42   |
| 175° | 155 | 156   | 157 | 159   | 158 | 15   |
| 180° | 156 | 156   | 156 | 156   | 156 |      |



TEST NUMBER: P332245-940

CATALOG NUMBER: S123RDIP-S340D365U940-4F0-1E-UDD-F4

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 512.3 | 512.3 | 512.3 | 512.3 | 512.3 | 512.3 | 512.3 | 512.3 | 512.3 | 512.3 | 512.3 |
| 2.5°   | 514.0 | 513.6 | 513.4 | 513.1 | 512.8 | 512.2 | 511.3 | 510.4 | 509.5 | 508.6 | 509.4 |
| 5°     | 512.3 | 511.8 | 511.4 | 511.0 | 510.4 | 509.7 | 508.5 | 507.5 | 506.3 | 505.2 | 506.0 |
| 7.5°   | 507.6 | 507.0 | 506.6 | 506.0 | 505.6 | 504.6 | 503.2 | 501.8 | 500.2 | 498.8 | 499.3 |
| 10°    | 503.5 | 502.9 | 502.3 | 501.7 | 501.0 | 499.8 | 498.2 | 496.5 | 494.8 | 493.2 | 493.3 |
| 12.5°  | 497.9 | 497.2 | 496.5 | 495.8 | 495.1 | 493.7 | 491.6 | 489.6 | 487.6 | 485.5 | 485.4 |
| 15°    | 488.7 | 487.6 | 486.6 | 485.5 | 484.6 | 482.8 | 480.2 | 477.6 | 475.0 | 472.4 | 472.0 |
| 17.5°  | 476.9 | 475.7 | 474.6 | 473.3 | 472.2 | 469.9 | 466.6 | 463.3 | 460.1 | 456.8 | 455.8 |
| 20°    | 468.2 | 466.8 | 465.3 | 463.9 | 462.4 | 459.9 | 456.4 | 452.8 | 449.3 | 445.9 | 444.6 |
| 22.5°  | 458.6 | 456.9 | 455.2 | 453.5 | 451.8 | 449.2 | 445.4 | 441.7 | 437.9 | 434.2 | 432.7 |
| 25°    | 444.6 | 442.3 | 440.0 | 437.7 | 435.3 | 432.0 | 427.8 | 423.6 | 419.3 | 415.1 | 413.1 |
| 27.5°  | 427.6 | 425.0 | 422.4 | 419.9 | 417.3 | 413.8 | 409.0 | 404.2 | 399.5 | 394.8 | 392.1 |
| 30°    | 415.9 | 413.1 | 410.4 | 407.6 | 404.8 | 400.8 | 395.7 | 390.5 | 385.3 | 380.1 | 377.0 |
| 32.5°  | 404.3 | 401.1 | 398.0 | 394.8 | 391.7 | 387.4 | 381.9 | 376.5 | 371.0 | 365.5 | 362.1 |
| 35°    | 384.8 | 381.4 | 378.1 | 374.8 | 371.5 | 366.9 | 361.2 | 355.4 | 349.7 | 344.0 | 340.1 |
| 37.5°  | 365.0 | 361.2 | 357.6 | 353.9 | 350.2 | 345.3 | 339.2 | 333.1 | 327.0 | 320.8 | 316.4 |
| 40°    | 352.3 | 348.3 | 344.2 | 340.2 | 336.1 | 330.7 | 324.2 | 317.6 | 311.1 | 304.5 | 299.8 |
| 42.5°  | 338.0 | 333.9 | 329.9 | 325.8 | 321.8 | 316.4 | 309.6 | 302.8 | 296.0 | 289.3 | 284.0 |
| 45°    | 316.2 | 312.0 | 307.9 | 303.7 | 299.5 | 293.9 | 286.9 | 279.7 | 272.6 | 265.5 | 260.2 |
| 47.5°  | 294.4 | 289.8 | 285.2 | 280.6 | 276.1 | 270.3 | 263.1 | 256.0 | 249.0 | 241.8 | 236.1 |
| 50°    | 278.4 | 274.0 | 269.7 | 265.4 | 261.0 | 255.1 | 247.6 | 240.1 | 232.6 | 225.2 | 219.5 |
| 52.5°  | 264.1 | 259.4 | 254.7 | 249.9 | 245.2 | 239.2 | 231.8 | 224.4 | 217.0 | 209.6 | 203.7 |
| 55°    | 240.1 | 235.6 | 231.1 | 226.6 | 222.0 | 215.9 | 208.0 | 200.2 | 192.3 | 184.5 | 179.1 |
| 57.5°  | 218.0 | 213.1 | 208.2 | 203.2 | 198.3 | 191.9 | 184.0 | 176.1 | 168.3 | 160.4 | 155.3 |
| 60°    | 202.8 | 197.7 | 192.6 | 187.5 | 182.4 | 176.1 | 168.4 | 160.8 | 153.1 | 145.4 | 140.4 |
| 62.5°  | 187.4 | 182.4 | 177.3 | 172.3 | 167.2 | 160.8 | 153.1 | 145.4 | 137.8 | 130.1 | 125.5 |
| 65°    | 164.2 | 159.1 | 154.0 | 148.9 | 143.8 | 137.7 | 130.5 | 123.2 | 116.1 | 108.9 | 104.3 |
| 67.5°  | 140.8 | 135.6 | 130.5 | 125.4 | 120.2 | 114.2 | 107.3 | 100.4 | 93.5  | 86.6  | 83.2  |
| 70°    | 125.5 | 120.5 | 115.5 | 110.5 | 105.6 | 99.8  | 93.4  | 86.9  | 80.4  | 73.9  | 70.7  |
| 72.5°  | 110.2 | 105.3 | 100.4 | 95.4  | 90.5  | 85.2  | 79.3  | 73.4  | 67.5  | 61.6  | 59.0  |
| 75°    | 86.9  | 82.4  | 77.9  | 73.6  | 69.1  | 64.4  | 59.3  | 54.2  | 49.1  | 44.1  | 43.2  |
| 77.5°  | 65.5  | 61.5  | 57.5  | 53.5  | 49.6  | 45.9  | 42.6  | 39.3  | 36.1  | 32.8  | 32.4  |
| 80°    | 51.9  | 48.2  | 44.4  | 40.6  | 36.8  | 34.0  | 32.0  | 30.1  | 28.1  | 26.2  | 25.9  |
| 82.5°  | 39.0  | 35.7  | 32.5  | 29.2  | 25.9  | 23.8  | 22.9  | 22.0  | 21.1  | 20.2  | 19.9  |
| 85°    | 22.0  | 20.0  | 17.9  | 16.0  | 13.9  | 12.8  | 12.5  | 12.2  | 11.9  | 11.6  | 11.4  |
| 87.5°  | 8.1   | 7.4   | 6.7   | 6.1   | 5.4   | 5.2   | 5.4   | 5.5   | 5.7   | 5.9   | 5.8   |
| 90°    | 0.6   | 1.2   | 1.9   | 2.9   | 3.5   | 4.1   | 5.1   | 6.0   | 7.0   | 7.8   | 7.6   |
| 92.5°  | 3.9   | 5.8   | 8.5   | 10.9  | 13.6  | 18.2  | 26.5  | 40.0  | 53.3  | 48.4  | 36.6  |
| 95°    | 10.7  | 11.7  | 15.2  | 20.5  | 28.7  | 40.9  | 67.8  | 114.7 | 166.4 | 186.9 | 151.6 |
| 97.5°  | 18.3  | 18.5  | 21.3  | 25.9  | 34.1  | 47.3  | 72.9  | 125.8 | 212.0 | 289.6 | 309.8 |
| 100°   | 23.4  | 23.6  | 25.9  | 30.2  | 37.8  | 50.1  | 72.1  | 118.8 | 201.7 | 298.5 | 360.5 |
| 102.5° | 28.6  | 29.2  | 31.1  | 35.3  | 42.1  | 53.4  | 73.2  | 112.7 | 186.5 | 282.0 | 363.0 |
| 105°   | 36.6  | 37.5  | 39.4  | 43.2  | 49.1  | 58.9  | 76.0  | 108.4 | 168.0 | 253.3 | 343.8 |
| 107.5° | 45.0  | 45.9  | 47.8  | 51.5  | 57.1  | 66.2  | 81.1  | 108.1 | 156.1 | 228.0 | 310.1 |
| 110°   | 51.0  | 52.0  | 53.6  | 57.1  | 62.4  | 71.2  | 85.4  | 109.3 | 151.6 | 213.7 | 289.0 |



TEST NUMBER: P332245-940

CATALOG NUMBER: S123RDIP-S340D365U940-4F0-1E-UDD-F4

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 56.6  | 57.5  | 59.1  | 62.6  | 67.9  | 76.5  | 89.7  | 111.9 | 149.0 | 204.0 | 270.5 |
| 115°   | 64.6  | 65.9  | 67.8  | 70.9  | 76.2  | 84.8  | 96.8  | 115.9 | 148.1 | 193.8 | 248.3 |
| 117.5° | 72.6  | 74.0  | 75.6  | 78.6  | 84.5  | 92.4  | 104.2 | 121.4 | 148.6 | 187.7 | 234.9 |
| 120°   | 78.1  | 79.1  | 80.7  | 83.8  | 89.8  | 97.6  | 109.1 | 125.4 | 149.7 | 184.9 | 227.8 |
| 122.5° | 82.9  | 83.9  | 85.4  | 88.9  | 94.6  | 103.0 | 114.0 | 129.2 | 151.4 | 183.2 | 222.0 |
| 125°   | 89.8  | 90.4  | 92.3  | 95.8  | 101.7 | 110.3 | 121.4 | 135.2 | 154.1 | 180.8 | 214.6 |
| 127.5° | 95.1  | 95.9  | 98.4  | 101.8 | 108.4 | 117.0 | 127.6 | 140.1 | 157.1 | 179.8 | 208.0 |
| 130°   | 98.4  | 99.2  | 102.1 | 105.8 | 112.5 | 121.0 | 131.4 | 143.4 | 159.2 | 179.0 | 204.5 |
| 132.5° | 100.9 | 102.0 | 105.1 | 109.7 | 116.3 | 124.6 | 134.6 | 146.4 | 160.7 | 178.7 | 201.3 |
| 135°   | 105.2 | 106.5 | 109.9 | 114.7 | 121.4 | 129.8 | 139.6 | 150.3 | 162.9 | 178.3 | 197.0 |
| 137.5° | 109.4 | 110.8 | 114.1 | 119.1 | 125.7 | 133.6 | 143.0 | 153.2 | 164.4 | 177.6 | 193.2 |
| 140°   | 112.2 | 113.8 | 116.9 | 122.0 | 128.2 | 136.2 | 145.3 | 154.7 | 165.4 | 177.5 | 190.9 |
| 142.5° | 115.2 | 116.5 | 119.9 | 124.5 | 130.8 | 138.1 | 147.0 | 156.2 | 166.2 | 176.9 | 189.0 |
| 145°   | 120.0 | 121.0 | 123.9 | 128.6 | 133.9 | 141.2 | 149.4 | 157.8 | 166.7 | 176.1 | 186.2 |
| 147.5° | 125.0 | 125.6 | 128.3 | 132.4 | 137.6 | 143.7 | 151.2 | 158.9 | 166.7 | 175.0 | 183.6 |
| 150°   | 128.2 | 128.6 | 131.1 | 135.2 | 139.6 | 145.3 | 152.5 | 159.2 | 166.7 | 174.0 | 181.8 |
| 152.5° | 131.5 | 131.6 | 134.1 | 137.7 | 141.6 | 147.0 | 153.3 | 159.6 | 165.9 | 172.7 | 179.8 |
| 155°   | 136.4 | 136.4 | 138.3 | 141.5 | 145.0 | 149.4 | 154.7 | 159.8 | 165.1 | 170.5 | 176.7 |
| 157.5° | 140.4 | 140.6 | 142.1 | 144.9 | 147.8 | 151.2 | 155.5 | 160.1 | 164.1 | 168.5 | 173.3 |
| 160°   | 143.4 | 143.4 | 144.6 | 147.1 | 149.4 | 152.5 | 156.3 | 160.1 | 163.5 | 167.0 | 171.1 |
| 162.5° | 145.6 | 145.6 | 146.7 | 148.6 | 150.6 | 153.3 | 156.6 | 159.8 | 162.6 | 165.5 | 168.8 |
| 165°   | 149.0 | 148.7 | 149.4 | 151.0 | 152.2 | 154.4 | 156.9 | 159.2 | 161.0 | 163.3 | 165.8 |
| 167.5° | 151.6 | 151.2 | 151.6 | 152.8 | 153.6 | 155.1 | 156.9 | 158.6 | 159.5 | 161.0 | 162.8 |
| 170°   | 153.1 | 152.5 | 152.8 | 153.7 | 154.4 | 155.1 | 156.6 | 157.8 | 158.5 | 159.4 | 161.0 |
| 172.5° | 154.2 | 153.7 | 153.8 | 154.5 | 154.9 | 155.2 | 156.6 | 157.7 | 157.7 | 158.2 | 159.3 |
| 175°   | 155.3 | 155.1 | 154.7 | 155.3 | 155.3 | 155.7 | 156.3 | 156.9 | 156.6 | 156.6 | 157.2 |
| 177.5° | 156.0 | 155.7 | 155.4 | 155.7 | 155.7 | 155.7 | 156.0 | 156.4 | 156.0 | 155.7 | 156.0 |
| 180°   | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 |



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**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 512.3 | 512.3 | 512.3 | 512.3 | 512.3 | 512.3 | 512.3 | 512.3 |
| 2.5°   | 510.2 | 511.0 | 511.9 | 512.2 | 512.1 | 511.9 | 511.8 | 511.7 |
| 5°     | 506.9 | 507.7 | 508.5 | 508.9 | 508.7 | 508.5 | 508.4 | 508.2 |
| 7.5°   | 499.8 | 500.2 | 500.7 | 500.8 | 500.4 | 500.2 | 499.8 | 499.5 |
| 10°    | 493.4 | 493.5 | 493.6 | 493.4 | 492.9 | 492.5 | 492.0 | 491.5 |
| 12.5°  | 485.4 | 485.4 | 485.4 | 485.0 | 484.5 | 483.9 | 483.4 | 482.9 |
| 15°    | 471.4 | 471.0 | 470.6 | 470.0 | 469.4 | 468.7 | 468.1 | 467.4 |
| 17.5°  | 454.9 | 453.9 | 452.9 | 451.9 | 450.9 | 450.0 | 449.1 | 448.1 |
| 20°    | 443.4 | 442.2 | 441.0 | 439.9 | 438.7 | 437.7 | 436.6 | 435.4 |
| 22.5°  | 431.2 | 429.7 | 428.2 | 427.0 | 425.9 | 424.9 | 423.8 | 422.8 |
| 25°    | 411.2 | 409.3 | 407.3 | 405.8 | 404.8 | 403.9 | 402.8 | 401.8 |
| 27.5°  | 389.4 | 386.7 | 384.1 | 381.9 | 380.3 | 378.8 | 377.3 | 375.7 |
| 30°    | 373.9 | 370.8 | 367.7 | 365.3 | 363.8 | 362.4 | 360.9 | 359.4 |
| 32.5°  | 358.6 | 355.3 | 351.8 | 349.3 | 347.8 | 346.3 | 344.6 | 343.1 |
| 35°    | 336.1 | 332.1 | 328.1 | 325.3 | 323.7 | 322.0 | 320.3 | 318.7 |
| 37.5°  | 311.8 | 307.3 | 302.8 | 299.5 | 297.5 | 295.4 | 293.4 | 291.3 |
| 40°    | 295.0 | 290.2 | 285.3 | 281.9 | 279.7 | 277.7 | 275.5 | 273.4 |
| 42.5°  | 278.7 | 273.6 | 268.3 | 264.7 | 262.8 | 260.9 | 259.0 | 257.1 |
| 45°    | 254.9 | 249.7 | 244.4 | 240.7 | 238.5 | 236.3 | 234.1 | 231.8 |
| 47.5°  | 230.3 | 224.6 | 218.9 | 215.1 | 213.1 | 211.2 | 209.1 | 207.1 |
| 50°    | 213.7 | 208.0 | 202.3 | 198.4 | 196.3 | 194.1 | 192.0 | 189.8 |
| 52.5°  | 197.7 | 191.7 | 185.8 | 181.9 | 179.9 | 178.1 | 176.2 | 174.2 |
| 55°    | 173.8 | 168.4 | 163.1 | 159.4 | 157.7 | 155.8 | 153.9 | 152.0 |
| 57.5°  | 150.3 | 145.2 | 140.2 | 136.8 | 135.3 | 133.7 | 132.2 | 130.5 |
| 60°    | 135.5 | 130.5 | 125.5 | 122.2 | 120.6 | 119.0 | 117.5 | 115.9 |
| 62.5°  | 120.7 | 116.1 | 111.4 | 108.2 | 106.6 | 105.0 | 103.3 | 101.7 |
| 65°    | 99.8  | 95.3  | 90.8  | 88.0  | 86.9  | 86.0  | 85.0  | 83.9  |
| 67.5°  | 79.8  | 76.4  | 73.0  | 70.8  | 69.7  | 68.7  | 67.6  | 66.5  |
| 70°    | 67.5  | 64.3  | 61.0  | 58.9  | 57.9  | 56.9  | 55.8  | 54.8  |
| 72.5°  | 56.4  | 53.8  | 51.1  | 49.6  | 49.1  | 48.7  | 48.3  | 47.9  |
| 75°    | 42.2  | 41.3  | 40.3  | 39.8  | 39.6  | 39.4  | 39.2  | 39.1  |
| 77.5°  | 31.8  | 31.3  | 30.9  | 30.5  | 30.3  | 30.1  | 30.0  | 29.8  |
| 80°    | 25.6  | 25.3  | 25.1  | 24.9  | 24.6  | 24.4  | 24.3  | 24.1  |
| 82.5°  | 19.6  | 19.4  | 19.1  | 18.9  | 18.9  | 18.8  | 18.8  | 18.8  |
| 85°    | 11.2  | 11.1  | 10.9  | 10.8  | 10.8  | 10.8  | 10.8  | 10.8  |
| 87.5°  | 5.7   | 5.7   | 5.7   | 5.8   | 5.6   | 5.6   | 5.6   | 5.4   |
| 90°    | 7.8   | 8.2   | 8.5   | 9.1   | 8.8   | 9.1   | 9.5   | 9.1   |
| 92.5°  | 26.6  | 21.0  | 18.5  | 16.9  | 16.4  | 15.4  | 15.8  | 15.2  |
| 95°    | 113.4 | 76.9  | 60.2  | 48.9  | 42.9  | 40.0  | 37.8  | 36.6  |
| 97.5°  | 282.8 | 226.5 | 185.8 | 148.2 | 124.9 | 110.8 | 102.2 | 99.5  |
| 100°   | 371.5 | 346.0 | 309.2 | 264.4 | 232.6 | 209.6 | 197.2 | 197.6 |
| 102.5° | 401.0 | 400.2 | 378.7 | 350.4 | 325.6 | 307.4 | 297.1 | 289.8 |
| 105°   | 409.7 | 441.1 | 447.1 | 439.0 | 424.5 | 412.5 | 402.4 | 400.8 |
| 107.5° | 384.8 | 436.0 | 463.6 | 474.8 | 475.1 | 471.0 | 467.6 | 464.8 |
| 110°   | 361.1 | 419.1 | 458.8 | 480.9 | 489.7 | 492.2 | 491.6 | 491.0 |





TEST NUMBER: P332245-940

CATALOG NUMBER: S123RDIP-S340D365U940-4F0-1E-UDD-F4

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 337.7 | 396.9 | 441.4 | 469.8 | 485.9 | 493.7 | 496.1 | 496.2 |
| 115°   | 306.6 | 361.4 | 407.8 | 442.1 | 465.7 | 479.6 | 485.9 | 487.5 |
| 117.5° | 284.1 | 331.4 | 373.0 | 407.9 | 432.6 | 448.4 | 457.4 | 459.6 |
| 120°   | 272.2 | 314.8 | 352.6 | 384.4 | 409.3 | 427.0 | 434.5 | 436.4 |
| 122.5° | 263.0 | 301.4 | 336.4 | 366.0 | 388.2 | 404.0 | 412.3 | 414.7 |
| 125°   | 250.5 | 284.9 | 315.1 | 340.4 | 360.5 | 374.3 | 382.3 | 384.4 |
| 127.5° | 239.7 | 270.3 | 297.6 | 320.6 | 338.5 | 350.4 | 357.5 | 359.4 |
| 130°   | 232.8 | 261.3 | 286.8 | 308.2 | 324.9 | 336.3 | 342.9 | 345.4 |
| 132.5° | 226.6 | 252.6 | 276.4 | 296.9 | 312.5 | 323.9 | 329.8 | 331.5 |
| 135°   | 218.0 | 240.4 | 260.9 | 278.8 | 294.4 | 303.8 | 309.4 | 311.7 |
| 137.5° | 210.3 | 228.6 | 246.3 | 261.9 | 274.8 | 284.5 | 289.2 | 290.7 |
| 140°   | 205.8 | 221.9 | 236.9 | 250.5 | 262.5 | 271.3 | 276.3 | 276.1 |
| 142.5° | 201.5 | 215.3 | 228.4 | 240.1 | 250.4 | 258.2 | 262.7 | 262.4 |
| 145°   | 196.4 | 206.7 | 216.8 | 226.0 | 233.8 | 240.4 | 243.0 | 243.6 |
| 147.5° | 192.1 | 200.4 | 208.5 | 215.0 | 221.0 | 225.4 | 227.8 | 228.1 |
| 150°   | 189.0 | 196.4 | 203.0 | 208.9 | 213.7 | 217.1 | 219.0 | 219.0 |
| 152.5° | 186.3 | 192.5 | 198.4 | 203.4 | 207.1 | 210.3 | 211.4 | 211.4 |
| 155°   | 182.2 | 187.2 | 191.9 | 195.6 | 198.5 | 201.1 | 201.7 | 202.0 |
| 157.5° | 177.7 | 181.9 | 185.6 | 188.6 | 191.0 | 192.9 | 193.4 | 193.3 |
| 160°   | 175.2 | 178.7 | 181.8 | 184.0 | 186.2 | 188.2 | 188.2 | 187.8 |
| 162.5° | 172.2 | 175.1 | 178.1 | 180.0 | 181.5 | 183.1 | 183.1 | 182.8 |
| 165°   | 168.3 | 170.1 | 172.4 | 174.0 | 175.2 | 176.5 | 176.1 | 176.1 |
| 167.5° | 164.9 | 166.3 | 167.6 | 168.7 | 169.2 | 170.1 | 169.9 | 169.9 |
| 170°   | 162.6 | 163.5 | 164.8 | 165.4 | 165.8 | 166.4 | 166.0 | 166.0 |
| 172.5° | 160.6 | 161.3 | 162.3 | 162.6 | 162.7 | 163.4 | 162.8 | 162.6 |
| 175°   | 157.8 | 158.2 | 158.8 | 158.8 | 158.8 | 159.2 | 158.8 | 158.5 |
| 177.5° | 156.1 | 156.4 | 156.7 | 156.7 | 156.4 | 156.7 | 156.1 | 156.1 |
| 180°   | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 | 155.7 |

(END OF REPORT)