

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: P333018-927

Luminaire Tested: **S124RDIW-S350D470U927-4F0-1E-UDD-F1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333018-927
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-10,
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S124RDIW-S350D470U927-4F0-1E-UDD-F1
Description: DEFINE 4 DIRECT-INDIRECT WALL MOUNT LED LUMINAIRE
DOWNLIGHT 350 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: 2420.5 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.33' x L: 4' x H: 0')
CIE Type: General Diffuse

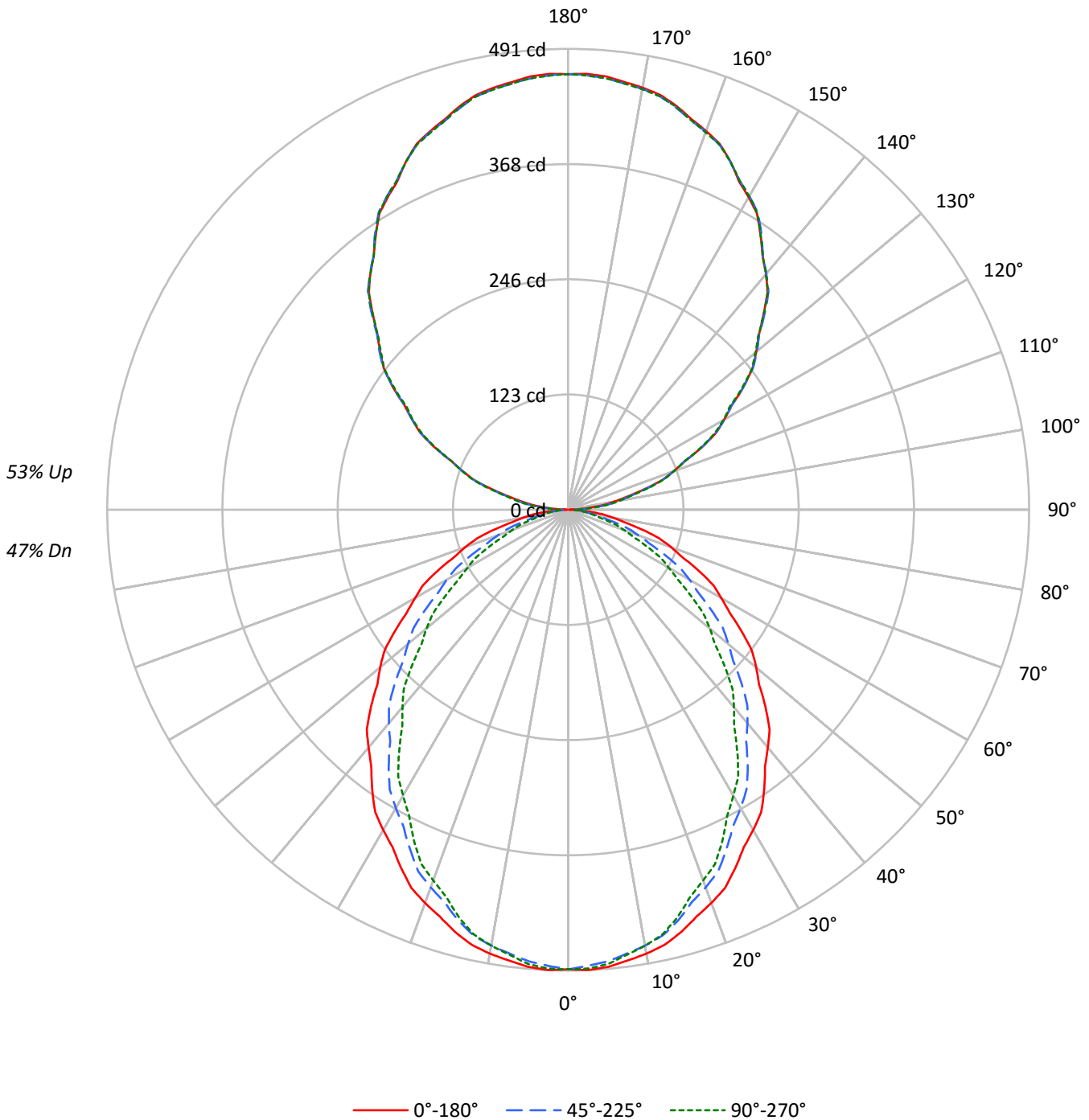
Input Watts (W): 23
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333018-927

CATALOG NUMBER: S124RDIW-S350D470U927-4F0-1E-UDD-F1

Luminous Intensity Polar Plot





TEST NUMBER: P333018-927

CATALOG NUMBER: S124RDIW-S350D470U927-4F0-1E-UDD-F1

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 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 106 | 106 | 106 | 106 | 98 | 98 | 98 | 98 | 82 | 82 | 82 | 67 | 67 | 67 | 53 | 53 | 53 | 47 | | | | 47 |
| 1 | 97 | 93 | 89 | 86 | 89 | 86 | 82 | 80 | 72 | 70 | 67 | 59 | 58 | 56 | 47 | 46 | 45 | | | | 40 | |
| 2 | 89 | 82 | 76 | 71 | 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 | 48 | 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 | 63 | 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 | 27 | 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 | 25 | 31 | 25 | 22 | 26 | 22 | 19 | 21 | 18 | 16 | | | | 14 | |
| 10 | 47 | 35 | 28 | 23 | 43 | 33 | 26 | 22 | 28 | 23 | 20 | 24 | 20 | 17 | 20 | 17 | 15 | | | | 13 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 3953 | 3953 | 3953 |
| 5° | 3962 | 3914 | 3938 |
| 10° | 3937 | 3867 | 3867 |
| 15° | 3892 | 3786 | 3758 |
| 20° | 3830 | 3679 | 3611 |
| 25° | 3751 | 3553 | 3463 |
| 30° | 3674 | 3422 | 3278 |
| 35° | 3588 | 3286 | 3094 |
| 40° | 3485 | 3130 | 2893 |
| 45° | 3391 | 2975 | 2689 |
| 50° | 3282 | 2798 | 2473 |
| 55° | 3167 | 2612 | 2238 |
| 60° | 3039 | 2409 | 1997 |
| 65° | 2923 | 2157 | 1761 |
| 70° | 2752 | 1876 | 1496 |
| 75° | 2539 | 1556 | 1216 |
| 80° | 2213 | 1186 | 1116 |
| 85° | 1880 | 1074 | 1010 |



TEST NUMBER: P333018-927

CATALOG NUMBER: S124RDIW-S350D470U927-4F0-1E-UDD-F1

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 46.0 | 1.9 |
| 10°-20° | 128.3 | 5.3 |
| 20°-30° | 185.2 | 7.7 |
| 30°-40° | 210.0 | 8.7 |
| 40°-50° | 202.8 | 8.4 |
| 50°-60° | 168.6 | 7.0 |
| 60°-70° | 116.4 | 4.8 |
| 70°-80° | 59.0 | 2.4 |
| 80°-90° | 16.5 | 0.7 |
| 90°-100° | 30.6 | 1.3 |
| 100°-110° | 90.7 | 3.7 |
| 110°-120° | 153.9 | 6.4 |
| 120°-130° | 203.0 | 8.4 |
| 130°-140° | 227.9 | 9.4 |
| 140°-150° | 224.0 | 9.3 |
| 150°-160° | 188.4 | 7.8 |
| 160°-170° | 125.3 | 5.2 |
| 170°-180° | 43.9 | 1.8 |
| 0°-30° | 359.5 | 14.9 |
| 0°-40° | 569.5 | 23.5 |
| 0°-60° | 940.8 | 38.9 |
| 0°-90° | 1132.8 | 46.8 |
| 90°-120° | 275.2 | 11.4 |
| 90°-150° | 930.1 | 38.4 |
| 90°-180° | 1288.0 | 53.2 |
| 0°-180° | 2420.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 490 | 490 | 490 | 490 | 490 | |
| 5° | 489 | 487 | 483 | 486 | 486 | 46 |
| 15° | 466 | 462 | 453 | 452 | 450 | 131 |
| 25° | 421 | 414 | 399 | 393 | 389 | 194 |
| 35° | 364 | 352 | 333 | 321 | 314 | 227 |
| 45° | 297 | 283 | 261 | 243 | 236 | 229 |
| 55° | 225 | 209 | 186 | 167 | 159 | 201 |
| 65° | 153 | 136 | 113 | 97 | 92 | 151 |
| 75° | 81 | 67 | 50 | 42 | 39 | 86 |
| 85° | 20 | 13 | 12 | 11 | 11 | 23 |
| 90° | 1 | 5 | 8 | 10 | 11 | 2 |
| 95° | 22 | 25 | 27 | 28 | 28 | 24 |
| 105° | 84 | 84 | 85 | 87 | 88 | 89 |
| 115° | 156 | 156 | 156 | 155 | 155 | 154 |
| 125° | 228 | 228 | 228 | 227 | 226 | 203 |
| 135° | 294 | 296 | 296 | 295 | 294 | 227 |
| 145° | 357 | 359 | 359 | 359 | 358 | 223 |
| 155° | 409 | 409 | 409 | 410 | 409 | 188 |
| 165° | 445 | 444 | 444 | 446 | 444 | 126 |
| 175° | 463 | 462 | 461 | 464 | 461 | 44 |
| 180° | 464 | 464 | 464 | 464 | 464 | |



TEST NUMBER: P333018-927

CATALOG NUMBER: S124RDIW-S350D470U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 |
| 2.5° | 490.9 | 490.6 | 490.4 | 490.1 | 489.8 | 489.3 | 488.6 | 487.9 | 487.1 | 486.4 | 487.1 |
| 5° | 488.9 | 488.6 | 488.3 | 488.0 | 487.6 | 487.0 | 485.9 | 485.0 | 483.9 | 483.0 | 483.8 |
| 7.5° | 484.5 | 484.2 | 483.9 | 483.5 | 483.2 | 482.3 | 481.0 | 479.7 | 478.4 | 477.1 | 477.6 |
| 10° | 480.3 | 479.9 | 479.5 | 479.1 | 478.6 | 477.7 | 476.2 | 474.7 | 473.2 | 471.7 | 472.1 |
| 12.5° | 474.9 | 474.4 | 474.0 | 473.5 | 473.0 | 471.9 | 470.1 | 468.3 | 466.6 | 464.8 | 465.0 |
| 15° | 465.7 | 464.9 | 464.2 | 463.4 | 462.7 | 461.3 | 459.2 | 457.1 | 455.0 | 453.0 | 452.8 |
| 17.5° | 454.6 | 453.4 | 452.3 | 451.3 | 450.2 | 448.4 | 445.9 | 443.4 | 440.9 | 438.4 | 437.9 |
| 20° | 445.8 | 444.7 | 443.7 | 442.6 | 441.5 | 439.6 | 436.7 | 433.9 | 431.0 | 428.2 | 427.5 |
| 22.5° | 436.3 | 435.0 | 433.8 | 432.6 | 431.3 | 429.2 | 426.2 | 423.2 | 420.2 | 417.1 | 416.1 |
| 25° | 421.1 | 419.6 | 418.1 | 416.6 | 415.1 | 412.6 | 409.2 | 405.8 | 402.3 | 398.9 | 397.5 |
| 27.5° | 405.2 | 403.3 | 401.4 | 399.6 | 397.7 | 394.9 | 391.3 | 387.6 | 384.0 | 380.3 | 378.5 |
| 30° | 394.1 | 392.0 | 389.9 | 387.9 | 385.8 | 382.8 | 378.8 | 374.9 | 371.0 | 367.1 | 365.0 |
| 32.5° | 382.4 | 380.0 | 377.7 | 375.3 | 373.0 | 369.8 | 365.8 | 361.7 | 357.7 | 353.6 | 351.2 |
| 35° | 364.1 | 361.4 | 358.8 | 356.1 | 353.4 | 350.0 | 345.9 | 341.7 | 337.5 | 333.4 | 330.5 |
| 37.5° | 344.5 | 341.7 | 339.1 | 336.3 | 333.5 | 329.9 | 325.2 | 320.6 | 316.0 | 311.4 | 308.2 |
| 40° | 330.7 | 328.0 | 325.2 | 322.5 | 319.7 | 316.0 | 311.2 | 306.5 | 301.7 | 297.0 | 293.5 |
| 42.5° | 317.5 | 314.7 | 311.7 | 308.9 | 306.0 | 302.1 | 297.1 | 292.2 | 287.2 | 282.3 | 278.7 |
| 45° | 297.0 | 293.9 | 290.8 | 287.7 | 284.6 | 280.6 | 275.6 | 270.6 | 265.6 | 260.6 | 256.5 |
| 47.5° | 275.8 | 272.6 | 269.4 | 266.2 | 263.0 | 258.8 | 253.7 | 248.4 | 243.2 | 238.1 | 233.8 |
| 50° | 261.3 | 258.1 | 254.8 | 251.6 | 248.3 | 244.1 | 238.8 | 233.4 | 228.1 | 222.8 | 218.6 |
| 52.5° | 246.7 | 243.4 | 240.3 | 237.1 | 233.9 | 229.6 | 224.1 | 218.6 | 213.2 | 207.7 | 203.5 |
| 55° | 225.0 | 221.7 | 218.3 | 215.0 | 211.7 | 207.2 | 201.8 | 196.5 | 191.0 | 185.6 | 181.3 |
| 57.5° | 203.5 | 200.0 | 196.6 | 193.1 | 189.6 | 185.3 | 179.9 | 174.6 | 169.3 | 163.9 | 159.5 |
| 60° | 188.2 | 184.9 | 181.6 | 178.2 | 174.9 | 170.6 | 165.2 | 159.9 | 154.6 | 149.2 | 144.9 |
| 62.5° | 174.4 | 171.0 | 167.5 | 164.1 | 160.6 | 156.1 | 150.7 | 145.2 | 139.7 | 134.3 | 130.2 |
| 65° | 153.0 | 149.4 | 145.8 | 142.3 | 138.6 | 134.2 | 128.9 | 123.5 | 118.2 | 112.9 | 109.3 |
| 67.5° | 130.7 | 127.3 | 123.8 | 120.4 | 117.0 | 112.8 | 107.8 | 102.9 | 97.9 | 93.0 | 89.9 |
| 70° | 116.6 | 113.1 | 109.6 | 106.2 | 102.6 | 98.5 | 93.7 | 89.0 | 84.2 | 79.5 | 76.8 |
| 72.5° | 101.6 | 98.5 | 95.3 | 92.1 | 89.0 | 85.2 | 80.6 | 76.1 | 71.7 | 67.2 | 64.9 |
| 75° | 81.4 | 78.3 | 75.2 | 72.1 | 69.0 | 65.5 | 61.6 | 57.7 | 53.8 | 49.9 | 47.9 |
| 77.5° | 60.8 | 58.2 | 55.6 | 53.0 | 50.4 | 47.5 | 44.3 | 41.1 | 37.9 | 34.8 | 33.7 |
| 80° | 47.6 | 45.2 | 42.8 | 40.4 | 37.9 | 35.5 | 33.0 | 30.5 | 28.0 | 25.5 | 25.3 |
| 82.5° | 36.2 | 34.0 | 31.8 | 29.5 | 27.3 | 25.5 | 24.1 | 22.7 | 21.2 | 19.8 | 19.6 |
| 85° | 20.3 | 18.6 | 17.0 | 15.2 | 13.5 | 12.6 | 12.4 | 12.1 | 11.9 | 11.6 | 11.5 |
| 87.5° | 7.1 | 6.7 | 6.4 | 6.0 | 5.7 | 5.5 | 5.6 | 5.6 | 5.7 | 5.8 | 5.8 |
| 90° | 1.1 | 2.0 | 2.9 | 3.7 | 4.6 | 5.3 | 6.0 | 6.7 | 7.3 | 7.9 | 8.4 |
| 92.5° | 7.7 | 8.7 | 9.7 | 10.7 | 11.7 | 12.4 | 12.9 | 13.3 | 13.8 | 14.2 | 14.5 |
| 95° | 21.5 | 22.3 | 23.0 | 23.7 | 24.4 | 25.0 | 25.6 | 26.1 | 26.7 | 27.3 | 27.5 |
| 97.5° | 37.6 | 38.2 | 38.7 | 39.4 | 39.9 | 40.6 | 41.2 | 41.8 | 42.5 | 43.2 | 43.4 |
| 100° | 50.2 | 50.5 | 50.9 | 51.2 | 51.6 | 52.0 | 52.8 | 53.5 | 54.2 | 54.9 | 55.1 |
| 102.5° | 63.5 | 63.6 | 63.7 | 63.8 | 64.0 | 64.4 | 65.0 | 65.7 | 66.3 | 67.0 | 67.2 |
| 105° | 83.7 | 83.7 | 83.8 | 83.9 | 84.0 | 84.1 | 84.4 | 84.8 | 85.1 | 85.4 | 85.6 |
| 107.5° | 104.8 | 104.9 | 105.0 | 105.1 | 105.2 | 105.3 | 105.4 | 105.4 | 105.4 | 105.4 | 105.7 |
| 110° | 119.1 | 119.3 | 119.5 | 119.6 | 119.8 | 119.9 | 119.8 | 119.7 | 119.6 | 119.5 | 119.4 |



TEST NUMBER: P333018-927

CATALOG NUMBER: S124RDIW-S350D470U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 134.1 | 134.1 | 134.2 | 134.2 | 134.3 | 134.2 | 134.0 | 133.9 | 133.7 | 133.6 | 133.6 |
| 115° | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.5 | 156.3 | 156.1 | 156.0 | 155.8 | 155.7 |
| 117.5° | 177.6 | 177.7 | 177.8 | 177.8 | 177.8 | 177.8 | 177.8 | 177.6 | 177.5 | 177.4 | 177.1 |
| 120° | 191.7 | 192.0 | 192.3 | 192.7 | 193.0 | 193.0 | 192.7 | 192.5 | 192.3 | 192.0 | 191.6 |
| 122.5° | 206.4 | 206.4 | 206.6 | 206.7 | 206.8 | 206.8 | 206.8 | 206.6 | 206.5 | 206.4 | 206.1 |
| 125° | 227.9 | 227.9 | 227.9 | 227.9 | 227.9 | 227.9 | 227.8 | 227.8 | 227.7 | 227.6 | 227.4 |
| 127.5° | 247.6 | 247.8 | 248.0 | 248.3 | 248.5 | 248.6 | 248.4 | 248.3 | 248.2 | 248.0 | 247.9 |
| 130° | 261.3 | 261.6 | 261.8 | 262.1 | 262.3 | 262.4 | 262.4 | 262.4 | 262.4 | 262.4 | 262.2 |
| 132.5° | 275.4 | 275.6 | 275.8 | 275.9 | 276.1 | 276.2 | 276.1 | 276.0 | 276.0 | 275.9 | 275.8 |
| 135° | 294.0 | 294.5 | 294.9 | 295.4 | 295.9 | 296.1 | 296.1 | 296.1 | 296.1 | 296.1 | 296.0 |
| 137.5° | 314.3 | 314.5 | 314.7 | 314.9 | 315.1 | 315.3 | 315.4 | 315.6 | 315.7 | 315.8 | 315.6 |
| 140° | 327.7 | 327.9 | 328.0 | 328.2 | 328.4 | 328.4 | 328.4 | 328.4 | 328.4 | 328.4 | 328.4 |
| 142.5° | 340.1 | 340.2 | 340.4 | 340.6 | 340.7 | 340.8 | 340.7 | 340.6 | 340.6 | 340.5 | 340.5 |
| 145° | 357.2 | 357.5 | 357.8 | 358.1 | 358.5 | 358.6 | 358.7 | 358.8 | 358.9 | 358.9 | 358.9 |
| 147.5° | 374.1 | 374.5 | 374.9 | 375.3 | 375.7 | 375.8 | 375.7 | 375.7 | 375.7 | 375.6 | 375.5 |
| 150° | 384.4 | 384.8 | 385.1 | 385.4 | 385.7 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 | 385.9 |
| 152.5° | 394.2 | 394.4 | 394.6 | 394.8 | 395.0 | 395.1 | 395.1 | 395.2 | 395.3 | 395.4 | 395.5 |
| 155° | 409.2 | 409.2 | 409.2 | 409.2 | 409.2 | 409.2 | 409.1 | 409.0 | 408.9 | 408.8 | 409.2 |
| 157.5° | 421.8 | 421.7 | 421.6 | 421.4 | 421.3 | 421.2 | 421.2 | 421.2 | 421.1 | 421.1 | 421.4 |
| 160° | 429.4 | 429.3 | 429.2 | 429.1 | 429.0 | 429.0 | 428.9 | 428.8 | 428.7 | 428.6 | 428.9 |
| 162.5° | 436.3 | 436.0 | 435.8 | 435.6 | 435.4 | 435.2 | 435.1 | 435.1 | 435.0 | 434.9 | 435.4 |
| 165° | 445.4 | 445.2 | 445.0 | 444.7 | 444.5 | 444.3 | 444.2 | 444.0 | 443.9 | 443.7 | 444.2 |
| 167.5° | 452.6 | 452.3 | 451.9 | 451.6 | 451.2 | 451.1 | 451.1 | 451.1 | 451.1 | 451.1 | 451.6 |
| 170° | 456.6 | 456.2 | 455.8 | 455.4 | 455.0 | 454.9 | 455.0 | 455.0 | 455.1 | 455.2 | 455.7 |
| 172.5° | 459.5 | 459.1 | 458.8 | 458.5 | 458.1 | 458.0 | 458.0 | 458.0 | 458.0 | 458.0 | 458.6 |
| 175° | 463.4 | 463.0 | 462.6 | 462.2 | 461.8 | 461.6 | 461.5 | 461.4 | 461.4 | 461.3 | 461.8 |
| 177.5° | 464.7 | 464.4 | 464.1 | 463.7 | 463.4 | 463.3 | 463.3 | 463.3 | 463.3 | 463.3 | 463.7 |
| 180° | 464.1 | 464.1 | 464.1 | 464.1 | 464.1 | 464.1 | 464.1 | 464.1 | 464.1 | 464.1 | 464.1 |



TEST NUMBER: P333018-927

CATALOG NUMBER: S124RDIW-S350D470U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 | 489.7 |
| 2.5° | 487.9 | 488.6 | 489.3 | 489.6 | 489.6 | 489.6 | 489.5 | 489.4 |
| 5° | 484.7 | 485.4 | 486.3 | 486.6 | 486.5 | 486.3 | 486.1 | 485.9 |
| 7.5° | 478.2 | 478.7 | 479.3 | 479.3 | 479.1 | 478.9 | 478.6 | 478.3 |
| 10° | 472.4 | 472.7 | 473.0 | 473.0 | 472.7 | 472.4 | 472.1 | 471.7 |
| 12.5° | 465.2 | 465.4 | 465.6 | 465.5 | 465.0 | 464.5 | 464.1 | 463.6 |
| 15° | 452.7 | 452.5 | 452.3 | 451.9 | 451.3 | 450.8 | 450.2 | 449.6 |
| 17.5° | 437.4 | 437.0 | 436.6 | 435.9 | 435.0 | 434.1 | 433.2 | 432.4 |
| 20° | 426.9 | 426.2 | 425.6 | 424.7 | 423.6 | 422.5 | 421.4 | 420.3 |
| 22.5° | 415.1 | 414.1 | 413.1 | 412.2 | 411.3 | 410.4 | 409.6 | 408.6 |
| 25° | 396.1 | 394.7 | 393.3 | 392.2 | 391.3 | 390.5 | 389.7 | 388.8 |
| 27.5° | 376.8 | 375.0 | 373.3 | 371.9 | 370.6 | 369.4 | 368.2 | 367.0 |
| 30° | 362.9 | 360.8 | 358.8 | 357.0 | 355.7 | 354.4 | 353.1 | 351.7 |
| 32.5° | 348.8 | 346.3 | 344.0 | 342.1 | 340.8 | 339.5 | 338.3 | 337.0 |
| 35° | 327.6 | 324.9 | 322.0 | 319.9 | 318.4 | 316.9 | 315.4 | 313.9 |
| 37.5° | 305.1 | 301.9 | 298.7 | 296.4 | 294.9 | 293.3 | 291.8 | 290.3 |
| 40° | 289.9 | 286.5 | 283.0 | 280.5 | 279.0 | 277.5 | 276.0 | 274.5 |
| 42.5° | 275.1 | 271.6 | 268.0 | 265.5 | 263.9 | 262.3 | 260.7 | 259.2 |
| 45° | 252.5 | 248.3 | 244.2 | 241.5 | 240.0 | 238.4 | 236.9 | 235.5 |
| 47.5° | 229.6 | 225.3 | 221.1 | 218.2 | 216.5 | 214.8 | 213.2 | 211.6 |
| 50° | 214.4 | 210.2 | 206.0 | 203.2 | 201.6 | 200.0 | 198.4 | 196.9 |
| 52.5° | 199.2 | 195.0 | 190.8 | 187.8 | 186.2 | 184.6 | 182.9 | 181.3 |
| 55° | 177.0 | 172.6 | 168.3 | 165.3 | 163.7 | 162.2 | 160.6 | 159.0 |
| 57.5° | 155.1 | 150.8 | 146.3 | 143.5 | 142.4 | 141.2 | 139.9 | 138.7 |
| 60° | 140.5 | 136.3 | 131.9 | 129.0 | 127.7 | 126.4 | 125.1 | 123.7 |
| 62.5° | 126.3 | 122.2 | 118.3 | 115.7 | 114.6 | 113.6 | 112.5 | 111.5 |
| 65° | 105.7 | 102.1 | 98.5 | 96.3 | 95.2 | 94.3 | 93.2 | 92.2 |
| 67.5° | 86.8 | 83.7 | 80.6 | 78.6 | 77.5 | 76.4 | 75.3 | 74.1 |
| 70° | 74.0 | 71.2 | 68.5 | 66.7 | 65.8 | 65.0 | 64.2 | 63.4 |
| 72.5° | 62.5 | 60.1 | 57.8 | 56.2 | 55.5 | 54.7 | 53.9 | 53.2 |
| 75° | 46.0 | 44.1 | 42.2 | 41.0 | 40.5 | 40.0 | 39.5 | 39.0 |
| 77.5° | 32.6 | 31.4 | 30.3 | 29.7 | 29.5 | 29.4 | 29.2 | 29.1 |
| 80° | 25.0 | 24.7 | 24.5 | 24.3 | 24.2 | 24.2 | 24.1 | 24.0 |
| 82.5° | 19.4 | 19.3 | 19.1 | 18.9 | 18.9 | 18.8 | 18.7 | 18.6 |
| 85° | 11.3 | 11.1 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 | 10.9 |
| 87.5° | 5.9 | 5.9 | 5.9 | 5.9 | 6.0 | 6.2 | 6.3 | 6.3 |
| 90° | 8.9 | 9.3 | 9.8 | 10.1 | 10.3 | 10.5 | 10.6 | 10.8 |
| 92.5° | 14.8 | 15.1 | 15.4 | 15.5 | 15.7 | 15.8 | 15.8 | 15.9 |
| 95° | 27.7 | 28.0 | 28.2 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| 97.5° | 43.7 | 44.0 | 44.3 | 44.4 | 44.4 | 44.4 | 44.4 | 44.4 |
| 100° | 55.2 | 55.4 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| 102.5° | 67.4 | 67.7 | 67.9 | 68.0 | 68.0 | 68.1 | 68.2 | 68.3 |
| 105° | 86.0 | 86.2 | 86.4 | 86.7 | 86.9 | 87.1 | 87.4 | 87.6 |
| 107.5° | 105.9 | 106.2 | 106.4 | 106.5 | 106.5 | 106.5 | 106.4 | 106.4 |
| 110° | 119.2 | 119.1 | 118.9 | 118.9 | 119.1 | 119.4 | 119.6 | 119.9 |



TEST NUMBER: P333018-927

CATALOG NUMBER: S124RDIW-S350D470U927-4F0-1E-UDD-F1

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 133.6 | 133.5 | 133.5 | 133.5 | 133.6 | 133.6 | 133.6 | 133.6 |
| 115° | 155.7 | 155.6 | 155.5 | 155.4 | 155.3 | 155.3 | 155.2 | 155.1 |
| 117.5° | 176.9 | 176.6 | 176.3 | 176.1 | 175.9 | 175.8 | 175.6 | 175.5 |
| 120° | 191.2 | 190.8 | 190.4 | 190.4 | 190.5 | 190.7 | 190.8 | 191.0 |
| 122.5° | 205.9 | 205.6 | 205.3 | 205.0 | 204.8 | 204.5 | 204.1 | 203.9 |
| 125° | 227.3 | 227.1 | 227.0 | 226.8 | 226.6 | 226.5 | 226.3 | 226.2 |
| 127.5° | 247.7 | 247.6 | 247.4 | 247.2 | 247.2 | 247.0 | 246.9 | 246.8 |
| 130° | 262.1 | 261.9 | 261.7 | 261.5 | 261.2 | 260.9 | 260.5 | 260.2 |
| 132.5° | 275.6 | 275.4 | 275.3 | 275.1 | 275.0 | 274.9 | 274.7 | 274.6 |
| 135° | 295.8 | 295.6 | 295.5 | 295.3 | 295.1 | 294.9 | 294.6 | 294.4 |
| 137.5° | 315.4 | 315.2 | 315.0 | 314.9 | 315.0 | 315.0 | 315.1 | 315.1 |
| 140° | 328.3 | 328.2 | 328.1 | 328.0 | 328.0 | 327.9 | 327.8 | 327.7 |
| 142.5° | 340.5 | 340.5 | 340.5 | 340.4 | 340.4 | 340.4 | 340.4 | 340.4 |
| 145° | 358.8 | 358.7 | 358.6 | 358.5 | 358.2 | 358.0 | 357.7 | 357.5 |
| 147.5° | 375.4 | 375.3 | 375.3 | 375.3 | 375.2 | 375.1 | 375.0 | 374.9 |
| 150° | 385.9 | 385.9 | 385.9 | 385.9 | 385.8 | 385.7 | 385.6 | 385.6 |
| 152.5° | 395.8 | 395.9 | 396.2 | 396.1 | 395.9 | 395.7 | 395.5 | 395.3 |
| 155° | 409.5 | 409.8 | 410.1 | 410.1 | 409.8 | 409.5 | 409.2 | 408.8 |
| 157.5° | 421.6 | 421.8 | 422.1 | 422.1 | 421.8 | 421.5 | 421.3 | 421.0 |
| 160° | 429.1 | 429.4 | 429.6 | 429.5 | 429.1 | 428.7 | 428.3 | 427.9 |
| 162.5° | 435.8 | 436.3 | 436.7 | 436.7 | 436.3 | 435.9 | 435.5 | 435.1 |
| 165° | 444.7 | 445.1 | 445.6 | 445.7 | 445.4 | 445.0 | 444.7 | 444.4 |
| 167.5° | 452.1 | 452.6 | 453.0 | 453.0 | 452.6 | 452.1 | 451.5 | 451.1 |
| 170° | 456.1 | 456.6 | 457.1 | 457.0 | 456.5 | 455.9 | 455.3 | 454.8 |
| 172.5° | 459.1 | 459.7 | 460.2 | 460.2 | 459.6 | 459.1 | 458.5 | 458.0 |
| 175° | 462.4 | 463.0 | 463.5 | 463.5 | 463.0 | 462.4 | 461.8 | 461.3 |
| 177.5° | 464.2 | 464.6 | 465.1 | 465.0 | 464.5 | 464.1 | 463.5 | 463.0 |
| 180° | 464.1 | 464.1 | 464.1 | 464.1 | 464.1 | 464.1 | 464.1 | 464.1 |

(END OF REPORT)