

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: P334463

Luminaire Tested: **S122IP-S925U930-4F0-1E-UDD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334463
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: S122IP-S925U930-4F0-1E-UDD-4
Description: DEFINE 2 INDIRECT LED LUMINAIRE, BATWING OPTIC
PENDANT MOUNT, 925 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

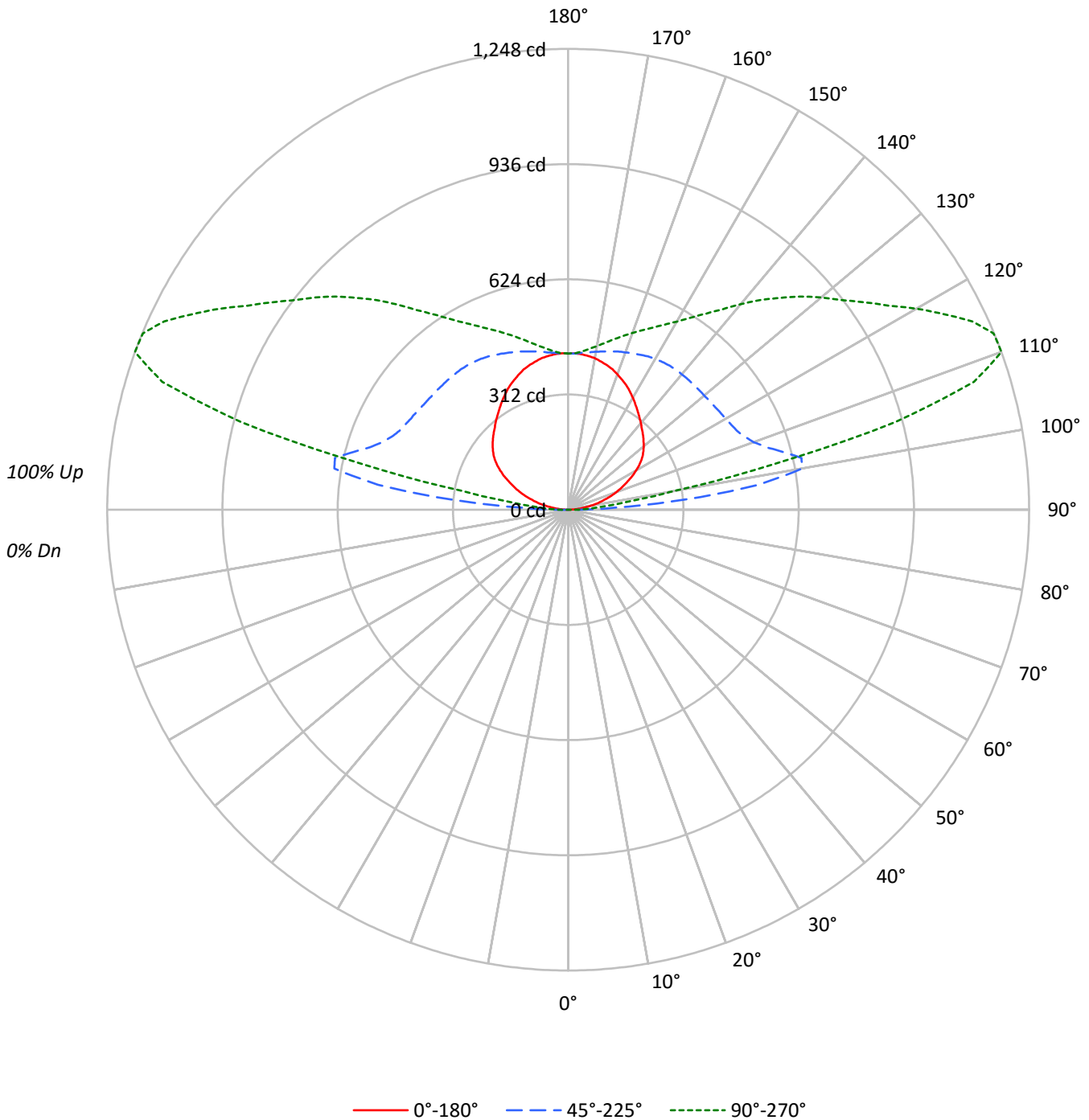
Lumens per Lamp: N/A
Luminaire Lumens: 2949.3 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 35.1
Input Voltage (V): 120
Input Current (Ain): 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: P334463
CATALOG NUMBER: S122IP-S925U930-4F0-1E-UDD-4

Luminous Intensity Polar Plot





TEST NUMBER: P334463

CATALOG NUMBER: S122IP-S925U930-4F0-1E-UDD-4

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 | 95 | 95 | 95 | 95 | 81 | 81 | 81 | 81 | 56 | 56 | 56 | 32 | 32 | 32 | 10 | 10 | 10 | 0 |
| 1 | 87 | 83 | 79 | 76 | 74 | 71 | 68 | 65 | 48 | 47 | 45 | 28 | 27 | 26 | 9 | 9 | 8 | 0 |
| 2 | 79 | 72 | 66 | 62 | 67 | 62 | 57 | 53 | 42 | 40 | 37 | 24 | 23 | 22 | 8 | 7 | 7 | 0 |
| 3 | 72 | 63 | 56 | 51 | 61 | 54 | 49 | 44 | 37 | 34 | 31 | 21 | 20 | 18 | 7 | 6 | 6 | 0 |
| 4 | 65 | 56 | 48 | 43 | 56 | 48 | 42 | 37 | 33 | 29 | 26 | 19 | 17 | 16 | 6 | 6 | 5 | 0 |
| 5 | 60 | 49 | 42 | 36 | 51 | 42 | 36 | 32 | 29 | 25 | 22 | 17 | 15 | 13 | 5 | 5 | 4 | 0 |
| 6 | 55 | 44 | 36 | 31 | 47 | 38 | 32 | 27 | 26 | 22 | 19 | 15 | 13 | 11 | 5 | 4 | 4 | 0 |
| 7 | 50 | 39 | 32 | 27 | 43 | 34 | 28 | 23 | 23 | 19 | 17 | 14 | 11 | 10 | 4 | 4 | 3 | 0 |
| 8 | 47 | 35 | 28 | 23 | 40 | 30 | 24 | 20 | 21 | 17 | 14 | 12 | 10 | 9 | 4 | 3 | 3 | 0 |
| 9 | 43 | 32 | 25 | 20 | 37 | 27 | 22 | 18 | 19 | 15 | 13 | 11 | 9 | 8 | 4 | 3 | 3 | 0 |
| 10 | 40 | 29 | 22 | 18 | 34 | 25 | 19 | 16 | 17 | 14 | 11 | 10 | 8 | 7 | 3 | 3 | 2 | 0 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|----|-----|-----|
| 0° | 0 | 0 | 0 |
| 5° | 0 | 0 | 0 |
| 10° | 0 | 0 | 0 |
| 15° | 0 | 0 | 0 |
| 20° | 0 | 0 | 0 |
| 25° | 0 | 0 | 0 |
| 30° | 0 | 0 | 0 |
| 35° | 0 | 0 | 0 |
| 40° | 0 | 0 | 0 |
| 45° | 0 | 0 | 0 |
| 50° | 0 | 0 | 0 |
| 55° | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 |
| 70° | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 |
| 80° | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 |



TEST NUMBER: P334463

CATALOG NUMBER: S122IP-S925U930-4F0-1E-UDD-4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 0.0 | 0.0 |
| 10°-20° | 0.0 | 0.0 |
| 20°-30° | 0.0 | 0.0 |
| 30°-40° | 0.0 | 0.0 |
| 40°-50° | 0.0 | 0.0 |
| 50°-60° | 0.0 | 0.0 |
| 60°-70° | 0.0 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 2.7 | 0.1 |
| 90°-100° | 164.9 | 5.6 |
| 100°-110° | 580.9 | 19.7 |
| 110°-120° | 610.1 | 20.7 |
| 120°-130° | 501.9 | 17.0 |
| 130°-140° | 403.2 | 13.7 |
| 140°-150° | 304.6 | 10.3 |
| 150°-160° | 214.1 | 7.3 |
| 160°-170° | 126.0 | 4.3 |
| 170°-180° | 41.0 | 1.4 |
| 0°-30° | 0.0 | 0.0 |
| 0°-40° | 0.0 | 0.0 |
| 0°-60° | 0.0 | 0.0 |
| 0°-90° | 2.7 | 0.1 |
| 90°-120° | 1355.9 | 46.0 |
| 90°-150° | 2565.5 | 87.0 |
| 90°-180° | 2947.0 | 99.9 |
| 0°-180° | 2949.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|------|------|
| 0° | 0 | 0 | 0 | 0 | 0 | |
| 5° | 0 | 0 | 0 | 0 | 0 | 0 |
| 15° | 0 | 0 | 0 | 0 | 0 | 0 |
| 25° | 0 | 0 | 0 | 0 | 0 | 0 |
| 35° | 0 | 0 | 0 | 0 | 0 | 0 |
| 45° | 0 | 0 | 0 | 0 | 0 | 0 |
| 55° | 0 | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 1 | 11 | 28 | 26 | 27 | 2 |
| 95° | 28 | 70 | 319 | 120 | 93 | 29 |
| 105° | 99 | 150 | 603 | 1078 | 917 | 105 |
| 115° | 175 | 221 | 504 | 1041 | 1207 | 173 |
| 125° | 244 | 289 | 485 | 843 | 979 | 217 |
| 135° | 286 | 342 | 479 | 709 | 811 | 221 |
| 145° | 327 | 376 | 477 | 592 | 648 | 205 |
| 155° | 372 | 402 | 463 | 524 | 544 | 171 |
| 165° | 405 | 417 | 444 | 470 | 478 | 114 |
| 175° | 422 | 423 | 426 | 432 | 430 | 40 |
| 180° | 423 | 423 | 423 | 423 | 423 | |



TEST NUMBER: P334463

CATALOG NUMBER: S122IP-S925U930-4F0-1E-UDD-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.8 | 3.3 | 6.5 | 8.1 | 9.8 | 12.2 | 16.3 | 22.0 | 26.9 | 27.7 | 26.9 |
| 92.5° | 12.2 | 17.1 | 23.6 | 27.7 | 34.2 | 43.1 | 65.1 | 96.0 | 123.7 | 125.3 | 105.0 |
| 95° | 28.5 | 31.7 | 39.9 | 47.2 | 60.2 | 79.7 | 117.2 | 188.0 | 282.4 | 319.0 | 279.1 |
| 97.5° | 42.3 | 47.2 | 56.1 | 66.7 | 81.4 | 103.3 | 151.3 | 249.8 | 402.0 | 519.9 | 524.0 |
| 100° | 62.7 | 65.1 | 72.4 | 85.4 | 101.7 | 124.5 | 167.6 | 266.9 | 442.6 | 642.8 | 760.0 |
| 102.5° | 81.4 | 83.0 | 90.3 | 103.3 | 120.4 | 143.2 | 182.3 | 267.7 | 427.2 | 646.9 | 847.9 |
| 105° | 99.3 | 102.5 | 108.2 | 120.4 | 138.3 | 161.1 | 199.4 | 271.8 | 406.0 | 602.9 | 819.4 |
| 107.5° | 118.8 | 121.2 | 126.9 | 138.3 | 156.2 | 179.0 | 216.4 | 280.7 | 394.6 | 562.3 | 759.2 |
| 110° | 138.3 | 141.6 | 146.5 | 157.0 | 174.1 | 197.7 | 233.5 | 292.1 | 391.4 | 534.6 | 703.0 |



TEST NUMBER: P334463

CATALOG NUMBER: S122IP-S925U930-4F0-1E-UDD-4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 156.2 | 159.5 | 165.2 | 174.9 | 191.2 | 215.6 | 249.8 | 304.3 | 392.2 | 516.7 | 664.0 |
| 115° | 174.9 | 179.0 | 183.9 | 193.7 | 209.9 | 231.9 | 266.9 | 316.5 | 395.5 | 504.5 | 633.1 |
| 117.5° | 194.5 | 197.7 | 202.6 | 211.6 | 227.0 | 249.8 | 282.4 | 329.5 | 400.3 | 498.0 | 611.9 |
| 120° | 212.4 | 215.6 | 220.5 | 227.8 | 244.1 | 266.9 | 298.6 | 342.6 | 405.2 | 492.3 | 595.6 |
| 122.5° | 229.5 | 231.9 | 236.8 | 244.9 | 261.2 | 284.8 | 314.1 | 354.0 | 410.9 | 489.0 | 581.8 |
| 125° | 244.1 | 246.5 | 251.4 | 261.2 | 277.5 | 300.3 | 329.5 | 366.2 | 416.6 | 485.0 | 568.8 |
| 127.5° | 256.3 | 259.6 | 266.1 | 276.7 | 292.1 | 315.7 | 344.2 | 377.6 | 422.3 | 482.5 | 556.6 |
| 130° | 266.9 | 270.1 | 278.3 | 289.7 | 305.9 | 328.7 | 357.2 | 388.1 | 428.8 | 480.9 | 544.4 |
| 132.5° | 276.7 | 280.7 | 289.7 | 301.9 | 319.0 | 341.8 | 368.6 | 398.7 | 435.3 | 480.1 | 534.6 |
| 135° | 286.4 | 289.7 | 299.4 | 311.6 | 330.4 | 353.1 | 379.2 | 407.7 | 440.2 | 479.3 | 525.6 |
| 137.5° | 295.4 | 299.4 | 309.2 | 322.2 | 340.9 | 362.1 | 388.1 | 415.0 | 445.1 | 479.3 | 519.1 |
| 140° | 305.9 | 309.2 | 319.0 | 332.0 | 349.9 | 371.0 | 395.5 | 420.7 | 448.3 | 478.5 | 513.4 |
| 142.5° | 316.5 | 319.0 | 327.9 | 340.9 | 358.0 | 377.6 | 401.1 | 425.6 | 450.8 | 478.5 | 507.7 |
| 145° | 327.1 | 330.4 | 338.5 | 350.7 | 367.0 | 384.9 | 406.8 | 429.6 | 452.4 | 476.8 | 502.9 |
| 147.5° | 338.5 | 340.9 | 349.1 | 360.5 | 374.3 | 390.6 | 411.7 | 432.1 | 453.2 | 474.4 | 498.0 |
| 150° | 349.9 | 352.3 | 358.8 | 369.4 | 381.6 | 396.3 | 415.0 | 433.7 | 452.4 | 471.9 | 491.5 |
| 152.5° | 361.3 | 362.1 | 368.6 | 377.6 | 388.9 | 402.0 | 418.2 | 434.5 | 450.8 | 467.9 | 485.8 |
| 155° | 371.9 | 372.7 | 377.6 | 386.5 | 395.5 | 407.7 | 421.5 | 435.3 | 449.2 | 463.0 | 478.5 |
| 157.5° | 380.8 | 381.6 | 385.7 | 393.8 | 401.1 | 411.7 | 423.9 | 435.3 | 445.9 | 458.1 | 471.9 |
| 160° | 389.8 | 390.6 | 393.8 | 400.3 | 406.8 | 415.8 | 425.6 | 435.3 | 443.5 | 453.2 | 464.6 |
| 162.5° | 398.7 | 397.9 | 401.1 | 406.0 | 411.7 | 418.2 | 426.4 | 434.5 | 441.0 | 449.2 | 458.1 |
| 165° | 405.2 | 404.4 | 406.0 | 410.9 | 415.0 | 419.9 | 427.2 | 432.9 | 437.8 | 443.5 | 450.8 |
| 167.5° | 410.9 | 410.1 | 411.7 | 415.0 | 418.2 | 421.5 | 427.2 | 432.1 | 434.5 | 438.6 | 443.5 |
| 170° | 416.6 | 415.0 | 415.8 | 418.2 | 419.9 | 422.3 | 426.4 | 430.4 | 432.1 | 434.5 | 437.8 |
| 172.5° | 419.9 | 419.1 | 418.2 | 420.7 | 421.5 | 423.1 | 425.6 | 428.0 | 428.8 | 429.6 | 432.1 |
| 175° | 422.3 | 421.5 | 420.7 | 422.3 | 422.3 | 423.1 | 424.7 | 426.4 | 425.6 | 426.4 | 427.2 |
| 177.5° | 423.9 | 422.3 | 421.5 | 423.1 | 423.1 | 423.1 | 423.9 | 425.6 | 423.9 | 423.1 | 423.9 |
| 180° | 423.1 | 423.1 | 423.1 | 423.1 | 423.1 | 423.1 | 423.1 | 423.1 | 423.1 | 423.1 | 423.1 |



TEST NUMBER: P334463

CATALOG NUMBER: S122IP-S925U930-4F0-1E-UDD-4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 26.0 | 24.4 | 26.0 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 |
| 92.5° | 82.2 | 70.0 | 61.0 | 54.5 | 53.7 | 50.4 | 51.3 | 49.6 |
| 95° | 213.2 | 163.6 | 129.4 | 111.5 | 100.9 | 94.4 | 91.9 | 92.8 |
| 97.5° | 436.1 | 348.3 | 266.1 | 217.3 | 185.5 | 169.2 | 160.3 | 155.4 |
| 100° | 742.9 | 642.0 | 530.5 | 432.1 | 364.5 | 329.5 | 305.9 | 291.3 |
| 102.5° | 943.9 | 940.6 | 866.6 | 760.8 | 685.9 | 620.0 | 589.1 | 568.0 |
| 105° | 988.6 | 1080.6 | 1091.2 | 1064.3 | 1013.9 | 963.4 | 928.4 | 917.0 |
| 107.5° | 940.6 | 1077.3 | 1157.1 | 1189.6 | 1188.8 | 1181.5 | 1170.9 | 1152.2 |
| 110° | 874.7 | 1020.4 | 1124.5 | 1191.2 | 1226.2 | 1241.7 | 1249.0 | 1248.2 |



TEST NUMBER: P334463

CATALOG NUMBER: S122IP-S925U930-4F0-1E-UDD-4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|--------|--------|--------|--------|--------|--------|
| 112.5° | 814.5 | 952.8 | 1065.9 | 1144.9 | 1196.9 | 1225.4 | 1240.9 | 1246.6 |
| 115° | 767.3 | 892.6 | 999.2 | 1083.0 | 1140.8 | 1178.2 | 1199.4 | 1206.7 |
| 117.5° | 728.3 | 840.5 | 939.8 | 1019.6 | 1079.0 | 1118.8 | 1140.8 | 1146.5 |
| 120° | 700.6 | 801.5 | 887.7 | 961.8 | 1018.7 | 1057.0 | 1080.6 | 1088.7 |
| 122.5° | 678.6 | 768.9 | 849.5 | 914.6 | 964.2 | 1001.7 | 1022.0 | 1028.5 |
| 125° | 657.5 | 741.3 | 812.9 | 873.9 | 921.1 | 952.0 | 972.4 | 978.9 |
| 127.5° | 636.3 | 713.6 | 782.0 | 838.9 | 880.4 | 909.7 | 927.6 | 932.5 |
| 130° | 616.0 | 685.9 | 750.2 | 803.9 | 843.8 | 871.5 | 887.7 | 894.2 |
| 132.5° | 596.4 | 659.9 | 717.7 | 767.3 | 806.4 | 834.0 | 848.7 | 854.4 |
| 135° | 578.5 | 632.2 | 685.9 | 731.5 | 766.5 | 793.3 | 808.0 | 811.3 |
| 137.5° | 563.9 | 610.3 | 654.2 | 694.9 | 728.3 | 751.9 | 764.9 | 769.8 |
| 140° | 550.1 | 589.1 | 626.5 | 662.3 | 688.4 | 709.5 | 721.7 | 726.6 |
| 142.5° | 538.7 | 570.4 | 601.3 | 629.8 | 654.2 | 672.9 | 683.5 | 683.5 |
| 145° | 528.1 | 554.9 | 580.2 | 603.8 | 623.3 | 637.1 | 645.3 | 647.7 |
| 147.5° | 519.9 | 541.9 | 562.3 | 580.2 | 597.2 | 608.6 | 614.3 | 616.0 |
| 150° | 511.0 | 528.9 | 546.0 | 560.6 | 572.8 | 582.6 | 587.5 | 588.3 |
| 152.5° | 502.0 | 518.3 | 532.2 | 544.4 | 553.3 | 561.4 | 564.7 | 564.7 |
| 155° | 493.9 | 506.9 | 519.1 | 528.1 | 537.0 | 542.7 | 546.0 | 544.4 |
| 157.5° | 484.1 | 495.5 | 506.1 | 513.4 | 519.9 | 524.8 | 526.5 | 526.5 |
| 160° | 475.2 | 484.1 | 493.1 | 498.8 | 504.5 | 508.6 | 509.4 | 509.4 |
| 162.5° | 466.2 | 473.6 | 480.9 | 485.0 | 490.7 | 493.1 | 493.9 | 493.1 |
| 165° | 457.3 | 463.0 | 468.7 | 471.9 | 475.2 | 478.5 | 478.5 | 477.6 |
| 167.5° | 448.3 | 453.2 | 457.3 | 460.5 | 462.2 | 463.8 | 463.8 | 463.0 |
| 170° | 441.8 | 444.3 | 447.5 | 449.2 | 450.0 | 452.4 | 451.6 | 450.0 |
| 172.5° | 434.5 | 436.1 | 438.6 | 439.4 | 440.2 | 441.0 | 440.2 | 439.4 |
| 175° | 429.6 | 430.4 | 431.3 | 432.1 | 432.1 | 432.9 | 432.1 | 430.4 |
| 177.5° | 425.6 | 425.6 | 426.4 | 426.4 | 426.4 | 426.4 | 425.6 | 423.9 |
| 180° | 423.1 | 423.1 | 423.1 | 423.1 | 423.1 | 423.1 | 423.1 | 423.1 |

(END OF REPORT)