

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: P334989

Luminaire Tested: **S125IP-S1205U930-4F0-1E-UDD-4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P334989
TEST 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: S125IP-S1205U930-4F0-1E-UDD-4
Description: DEFINE 5 INDIRECT LED LUMINAIRE, BATWING OPTIC
PENDANT MOUNT, 1205 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

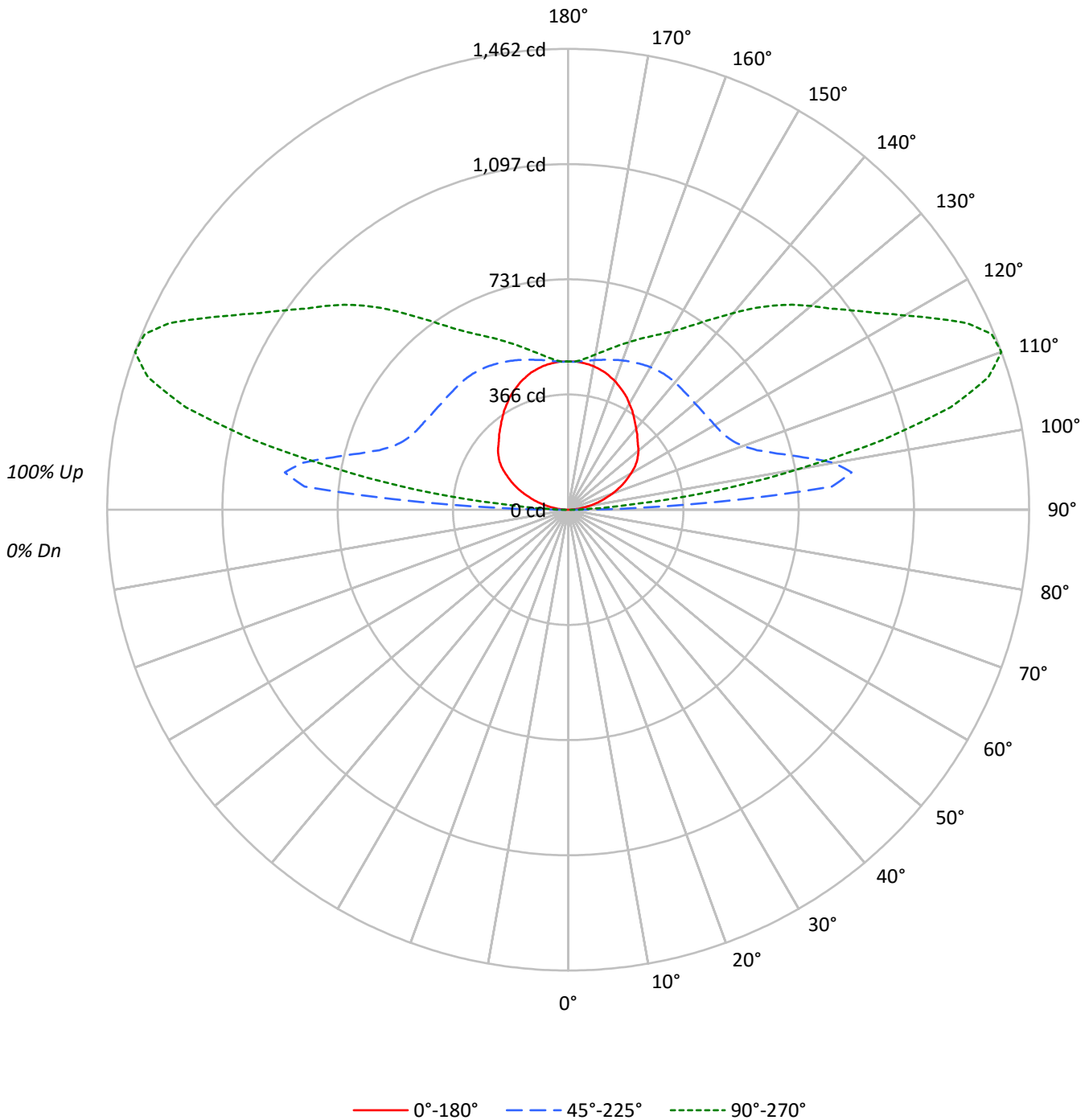
Lumens per Lamp: N/A
Luminaire Lumens: 3531.1 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): - / - / -
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Indirect

Input Watts (W): 41.9
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: P334989
CATALOG NUMBER: S125IP-S1205U930-4F0-1E-UDD-4

Luminous Intensity Polar Plot





TEST NUMBER: P334989

CATALOG NUMBER: S125IP-S1205U930-4F0-1E-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: P334989

CATALOG NUMBER: S125IP-S1205U930-4F0-1E-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° | 1.9 | 0.1 |
| 90°-100° | 341.8 | 9.7 |
| 100°-110° | 737.1 | 20.9 |
| 110°-120° | 687.2 | 19.5 |
| 120°-130° | 556.6 | 15.8 |
| 130°-140° | 446.9 | 12.7 |
| 140°-150° | 337.1 | 9.5 |
| 150°-160° | 237.4 | 6.7 |
| 160°-170° | 139.9 | 4.0 |
| 170°-180° | 45.5 | 1.3 |
| 0°-30° | 0.0 | 0.0 |
| 0°-40° | 0.0 | 0.0 |
| 0°-60° | 0.0 | 0.0 |
| 0°-90° | 1.9 | 0.1 |
| 90°-120° | 1766.0 | 50.0 |
| 90°-150° | 3106.5 | 88.0 |
| 90°-180° | 3529.0 | 99.9 |
| 0°-180° | 3531.1 | 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 | 9 | 15 | 20 | 22 | 2 |
| 95° | 31 | 92 | 839 | 381 | 223 | 33 |
| 105° | 107 | 150 | 687 | 1352 | 1255 | 113 |
| 115° | 191 | 231 | 551 | 1188 | 1398 | 188 |
| 125° | 265 | 311 | 529 | 945 | 1102 | 236 |
| 135° | 311 | 374 | 525 | 792 | 915 | 241 |
| 145° | 362 | 414 | 527 | 656 | 722 | 227 |
| 155° | 413 | 444 | 514 | 580 | 605 | 190 |
| 165° | 451 | 463 | 493 | 522 | 530 | 127 |
| 175° | 469 | 469 | 473 | 478 | 476 | 45 |
| 180° | 470 | 470 | 470 | 470 | 470 | |



TEST NUMBER: P334989

CATALOG NUMBER: S125IP-S1205U930-4F0-1E-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° | 0.9 | 1.9 | 3.8 | 5.7 | 7.6 | 9.5 | 10.4 | 12.3 | 13.3 | 15.2 | 16.1 |
| 92.5° | 14.2 | 17.1 | 26.5 | 40.7 | 60.6 | 94.7 | 159.2 | 267.2 | 384.6 | 378.0 | 305.0 |
| 95° | 31.3 | 32.2 | 39.8 | 50.2 | 71.1 | 113.7 | 215.0 | 423.5 | 684.9 | 839.3 | 821.3 |
| 97.5° | 48.3 | 49.3 | 54.9 | 65.4 | 84.3 | 115.6 | 185.7 | 345.8 | 628.1 | 906.6 | 1026.0 |
| 100° | 66.3 | 68.2 | 72.0 | 82.4 | 100.4 | 128.8 | 183.8 | 306.9 | 545.7 | 855.5 | 1092.3 |
| 102.5° | 86.2 | 87.2 | 90.0 | 101.4 | 117.5 | 144.9 | 192.3 | 290.8 | 483.1 | 765.5 | 1052.5 |
| 105° | 107.0 | 107.0 | 111.8 | 121.3 | 136.4 | 162.9 | 204.6 | 288.9 | 447.1 | 686.8 | 958.7 |
| 107.5° | 126.9 | 128.8 | 133.6 | 141.2 | 157.3 | 180.9 | 221.7 | 295.6 | 428.2 | 628.1 | 869.7 |
| 110° | 148.7 | 150.6 | 154.4 | 162.9 | 177.2 | 201.8 | 240.6 | 306.0 | 420.6 | 589.2 | 795.8 |



TEST NUMBER: P334989

CATALOG NUMBER: S125IP-S1205U930-4F0-1E-UDD-4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 170.5 | 172.4 | 175.3 | 183.8 | 198.0 | 221.7 | 258.6 | 319.3 | 420.6 | 566.5 | 740.8 |
| 115° | 191.4 | 193.3 | 196.1 | 204.6 | 218.8 | 242.5 | 277.6 | 332.5 | 423.5 | 551.4 | 703.9 |
| 117.5° | 210.3 | 213.2 | 216.0 | 224.5 | 240.6 | 263.4 | 296.5 | 347.7 | 428.2 | 542.8 | 679.2 |
| 120° | 229.3 | 232.1 | 235.9 | 244.4 | 260.5 | 284.2 | 317.4 | 362.8 | 435.8 | 537.1 | 659.4 |
| 122.5° | 249.2 | 251.0 | 253.9 | 262.4 | 280.4 | 304.1 | 337.3 | 379.9 | 442.4 | 532.4 | 642.3 |
| 125° | 265.3 | 267.2 | 271.9 | 280.4 | 298.4 | 323.0 | 354.3 | 395.0 | 450.0 | 528.6 | 627.1 |
| 127.5° | 278.5 | 281.4 | 287.0 | 297.5 | 316.4 | 341.0 | 371.4 | 409.3 | 458.5 | 526.7 | 612.9 |
| 130° | 290.8 | 293.7 | 301.3 | 313.6 | 333.5 | 358.1 | 387.5 | 423.5 | 466.1 | 524.8 | 598.7 |
| 132.5° | 300.3 | 304.1 | 313.6 | 327.8 | 348.6 | 373.3 | 402.6 | 435.8 | 474.6 | 524.8 | 587.4 |
| 135° | 310.7 | 314.5 | 325.9 | 341.0 | 360.9 | 386.5 | 415.9 | 447.1 | 482.2 | 524.8 | 578.8 |
| 137.5° | 324.0 | 326.8 | 337.3 | 352.4 | 372.3 | 398.8 | 425.4 | 455.7 | 489.8 | 525.8 | 570.3 |
| 140° | 335.4 | 338.2 | 349.6 | 364.7 | 382.7 | 408.3 | 435.8 | 464.2 | 494.5 | 526.7 | 564.6 |
| 142.5° | 348.6 | 350.5 | 360.9 | 376.1 | 393.1 | 416.8 | 442.4 | 468.9 | 497.4 | 527.7 | 559.9 |
| 145° | 361.9 | 363.8 | 373.3 | 386.5 | 403.6 | 425.4 | 450.0 | 473.7 | 499.2 | 526.7 | 555.1 |
| 147.5° | 376.1 | 377.0 | 385.6 | 397.9 | 413.0 | 432.9 | 454.7 | 476.5 | 500.2 | 524.8 | 550.4 |
| 150° | 388.4 | 390.3 | 396.9 | 409.3 | 422.5 | 438.6 | 459.5 | 479.4 | 500.2 | 522.0 | 544.7 |
| 152.5° | 401.7 | 402.6 | 408.3 | 418.7 | 431.0 | 445.3 | 464.2 | 481.3 | 499.2 | 518.2 | 538.1 |
| 155° | 413.0 | 413.0 | 418.7 | 428.2 | 437.7 | 450.9 | 467.0 | 482.2 | 497.4 | 513.5 | 530.5 |
| 157.5° | 423.5 | 423.5 | 428.2 | 436.7 | 445.3 | 455.7 | 469.9 | 483.1 | 495.5 | 508.7 | 523.9 |
| 160° | 433.9 | 432.9 | 436.7 | 443.4 | 450.9 | 459.5 | 471.8 | 483.1 | 492.6 | 504.0 | 515.4 |
| 162.5° | 442.4 | 441.5 | 445.3 | 450.9 | 456.6 | 463.3 | 473.7 | 482.2 | 489.8 | 498.3 | 507.8 |
| 165° | 450.9 | 449.0 | 451.9 | 456.6 | 460.4 | 466.1 | 473.7 | 481.3 | 486.9 | 492.6 | 500.2 |
| 167.5° | 456.6 | 455.7 | 457.6 | 460.4 | 463.3 | 467.0 | 473.7 | 479.4 | 482.2 | 486.9 | 492.6 |
| 170° | 462.3 | 461.4 | 462.3 | 464.2 | 466.1 | 468.9 | 473.7 | 477.5 | 479.4 | 482.2 | 486.0 |
| 172.5° | 466.1 | 464.2 | 465.1 | 467.0 | 468.0 | 468.9 | 472.7 | 475.6 | 475.6 | 476.5 | 479.4 |
| 175° | 468.9 | 467.0 | 468.0 | 468.9 | 468.9 | 468.9 | 471.8 | 473.7 | 472.7 | 472.7 | 473.7 |
| 177.5° | 470.8 | 468.9 | 468.9 | 469.9 | 468.9 | 468.9 | 470.8 | 471.8 | 469.9 | 469.9 | 470.8 |
| 180° | 469.9 | 469.9 | 469.9 | 469.9 | 469.9 | 469.9 | 469.9 | 469.9 | 469.9 | 469.9 | 469.9 |



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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° | 17.1 | 18.0 | 18.9 | 20.8 | 20.8 | 20.8 | 21.8 | 21.8 |
| 92.5° | 205.6 | 147.8 | 109.9 | 91.9 | 76.7 | 73.9 | 72.0 | 70.1 |
| 95° | 681.1 | 537.1 | 420.6 | 341.0 | 273.8 | 245.4 | 237.8 | 222.6 |
| 97.5° | 976.7 | 862.1 | 744.6 | 630.9 | 574.1 | 524.8 | 499.2 | 487.9 |
| 100° | 1165.2 | 1118.8 | 1021.2 | 922.7 | 857.3 | 789.1 | 754.1 | 738.9 |
| 102.5° | 1228.7 | 1276.1 | 1242.0 | 1183.2 | 1112.2 | 1068.6 | 1029.8 | 1019.3 |
| 105° | 1186.1 | 1315.9 | 1357.5 | 1347.1 | 1316.8 | 1285.5 | 1266.6 | 1255.2 |
| 107.5° | 1098.9 | 1270.4 | 1370.8 | 1412.5 | 1421.0 | 1416.3 | 1406.8 | 1397.3 |
| 110° | 1000.4 | 1180.4 | 1314.0 | 1394.5 | 1437.1 | 1455.1 | 1461.8 | 1461.8 |



TEST NUMBER: P334989

CATALOG NUMBER: S125IP-S1205U930-4F0-1E-UDD-4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| 112.5° | 922.7 | 1091.3 | 1226.8 | 1325.3 | 1392.6 | 1426.7 | 1445.6 | 1454.2 |
| 115° | 860.2 | 1007.0 | 1136.8 | 1240.1 | 1314.0 | 1359.4 | 1386.0 | 1398.3 |
| 117.5° | 816.6 | 946.4 | 1060.1 | 1157.7 | 1232.5 | 1279.9 | 1306.4 | 1314.0 |
| 120° | 782.5 | 896.2 | 1000.4 | 1083.8 | 1153.9 | 1199.3 | 1224.9 | 1232.5 |
| 122.5° | 756.9 | 860.2 | 950.2 | 1026.9 | 1087.5 | 1128.3 | 1153.9 | 1160.5 |
| 125° | 732.3 | 828.9 | 911.3 | 979.6 | 1032.6 | 1071.4 | 1092.3 | 1101.8 |
| 127.5° | 706.7 | 798.6 | 876.3 | 940.7 | 989.0 | 1024.1 | 1044.0 | 1047.8 |
| 130° | 683.0 | 766.4 | 840.3 | 901.9 | 949.2 | 980.5 | 999.4 | 1005.1 |
| 132.5° | 659.4 | 736.1 | 801.5 | 860.2 | 907.6 | 938.8 | 955.9 | 962.5 |
| 135° | 639.5 | 704.8 | 765.5 | 819.5 | 861.1 | 892.4 | 909.4 | 915.1 |
| 137.5° | 621.5 | 676.4 | 728.5 | 775.9 | 813.8 | 843.1 | 859.2 | 865.9 |
| 140° | 607.2 | 651.8 | 695.3 | 735.1 | 770.2 | 794.8 | 809.0 | 813.8 |
| 142.5° | 594.9 | 630.9 | 666.9 | 700.1 | 728.5 | 748.4 | 761.7 | 765.5 |
| 145° | 584.5 | 613.9 | 643.2 | 668.8 | 691.6 | 707.7 | 718.1 | 721.9 |
| 147.5° | 574.1 | 598.7 | 622.4 | 642.3 | 661.2 | 674.5 | 681.1 | 683.0 |
| 150° | 565.6 | 586.4 | 604.4 | 621.5 | 635.7 | 647.0 | 650.8 | 651.8 |
| 152.5° | 556.1 | 574.1 | 590.2 | 602.5 | 613.9 | 622.4 | 626.2 | 627.1 |
| 155° | 546.6 | 561.8 | 575.0 | 585.5 | 594.9 | 601.6 | 604.4 | 605.4 |
| 157.5° | 537.1 | 550.4 | 560.8 | 569.4 | 576.9 | 582.6 | 585.5 | 585.5 |
| 160° | 527.7 | 537.1 | 546.6 | 553.2 | 559.9 | 564.6 | 566.5 | 565.6 |
| 162.5° | 517.2 | 525.8 | 533.4 | 539.0 | 543.8 | 547.6 | 547.6 | 547.6 |
| 165° | 507.8 | 514.4 | 520.1 | 524.8 | 528.6 | 530.5 | 530.5 | 530.5 |
| 167.5° | 498.3 | 503.0 | 507.8 | 511.6 | 513.5 | 515.4 | 514.4 | 514.4 |
| 170° | 490.7 | 493.6 | 496.4 | 498.3 | 500.2 | 501.1 | 501.1 | 500.2 |
| 172.5° | 482.2 | 485.0 | 486.9 | 487.9 | 487.9 | 489.8 | 487.9 | 486.9 |
| 175° | 476.5 | 476.5 | 478.4 | 478.4 | 478.4 | 479.4 | 477.5 | 476.5 |
| 177.5° | 471.8 | 472.7 | 472.7 | 472.7 | 471.8 | 472.7 | 469.9 | 469.9 |
| 180° | 469.9 | 469.9 | 469.9 | 469.9 | 469.9 | 469.9 | 469.9 | 469.9 |

(END OF REPORT)