

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: P333495-830

Luminaire Tested: **S125RDIP-S375D365U830-4F0-1E-UDD-F4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P333495-830
REPORT 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: S125RDIP-S375D365U830-4F0-1E-UDD-F4
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE
DOWNLIGHT 375 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: 2602.5 lumens
Efficiency: N/A
Efficacy: 128.2 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

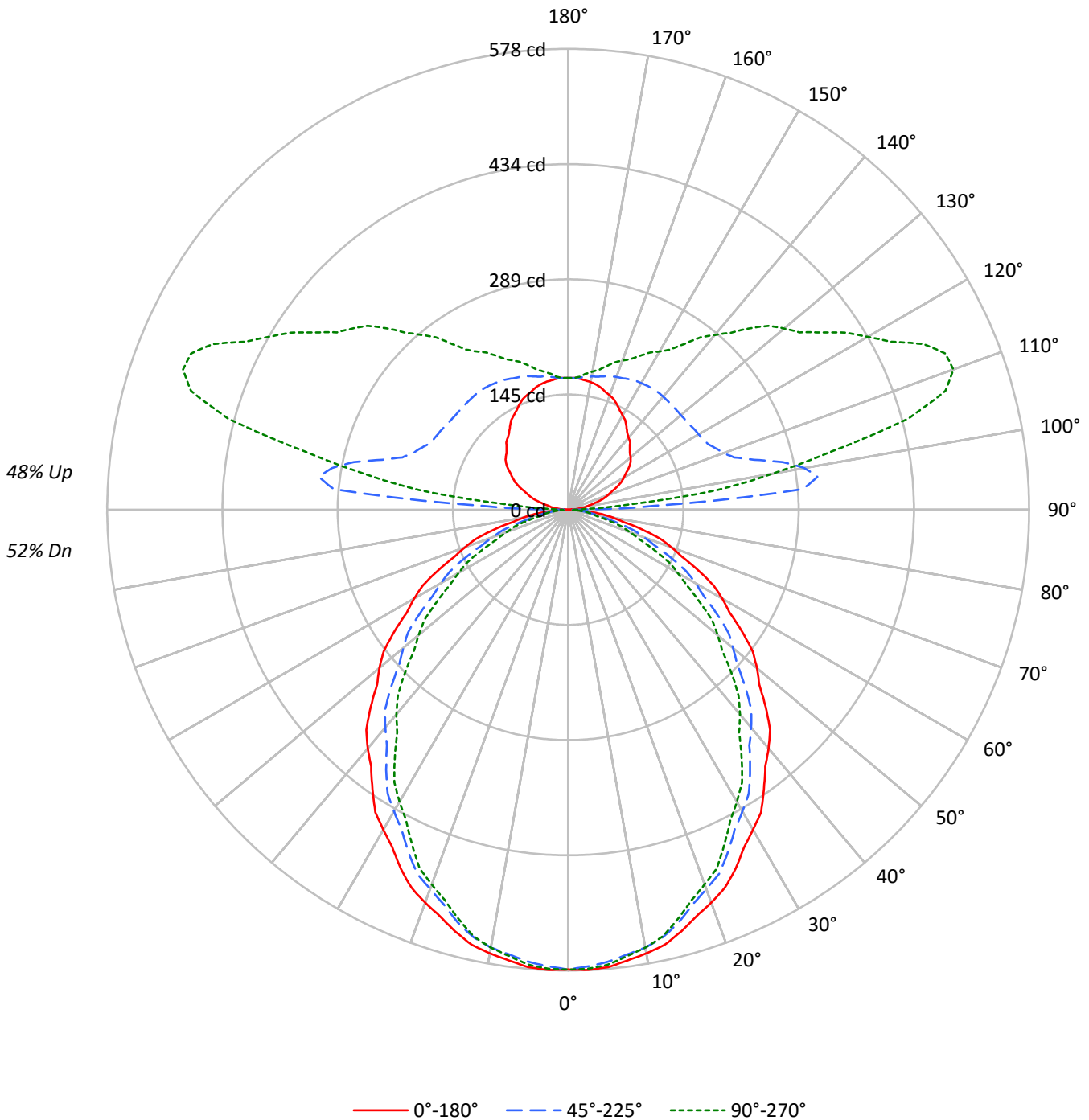
Input Watts (W): 20.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P333495-830

CATALOG NUMBER: S125RDIP-S375D365U830-4F0-1E-UDD-F4

Luminous Intensity Polar Plot





TEST NUMBER: P333495-830

CATALOG NUMBER: S125RDIP-S375D365U830-4F0-1E-UDD-F4

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 | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 85 | 85 | 85 | 71 | 71 | 71 | 58 | 58 | 58 | 52 |
| 1 | 99 | 94 | 90 | 87 | 91 | 87 | 84 | 81 | 75 | 72 | 70 | 63 | 61 | 60 | 52 | 51 | 50 | 45 |
| 2 | 90 | 83 | 77 | 71 | 83 | 77 | 71 | 67 | 66 | 62 | 58 | 55 | 53 | 50 | 46 | 44 | 42 | 38 |
| 3 | 82 | 73 | 66 | 60 | 76 | 68 | 61 | 56 | 58 | 53 | 49 | 49 | 46 | 43 | 41 | 38 | 36 | 32 |
| 4 | 75 | 65 | 57 | 51 | 69 | 60 | 53 | 48 | 52 | 46 | 42 | 44 | 40 | 37 | 37 | 34 | 31 | 28 |
| 5 | 69 | 58 | 50 | 44 | 64 | 54 | 47 | 41 | 46 | 41 | 36 | 40 | 35 | 32 | 33 | 30 | 27 | 24 |
| 6 | 64 | 52 | 44 | 38 | 59 | 48 | 41 | 36 | 42 | 36 | 32 | 36 | 31 | 28 | 30 | 27 | 24 | 21 |
| 7 | 59 | 47 | 39 | 33 | 55 | 44 | 37 | 32 | 38 | 32 | 28 | 33 | 28 | 25 | 28 | 24 | 22 | 19 |
| 8 | 55 | 43 | 35 | 30 | 51 | 40 | 33 | 28 | 35 | 29 | 25 | 30 | 25 | 22 | 25 | 22 | 19 | 17 |
| 9 | 51 | 39 | 31 | 26 | 47 | 36 | 30 | 25 | 32 | 26 | 23 | 28 | 23 | 20 | 23 | 20 | 18 | 15 |
| 10 | 48 | 36 | 29 | 24 | 44 | 34 | 27 | 23 | 29 | 24 | 20 | 25 | 21 | 18 | 22 | 18 | 16 | 14 |

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 |



TEST NUMBER: P333495-830

CATALOG NUMBER: S125RDIP-S375D365U830-4F0-1E-UDD-F4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 54.2 | 2.1 |
| 10°-20° | 151.6 | 5.8 |
| 20°-30° | 219.8 | 8.4 |
| 30°-40° | 250.5 | 9.6 |
| 40°-50° | 244.1 | 9.4 |
| 50°-60° | 205.5 | 7.9 |
| 60°-70° | 144.1 | 5.5 |
| 70°-80° | 74.1 | 2.8 |
| 80°-90° | 19.6 | 0.8 |
| 90°-100° | 119.8 | 4.6 |
| 100°-110° | 257.4 | 9.9 |
| 110°-120° | 241.6 | 9.3 |
| 120°-130° | 195.8 | 7.5 |
| 130°-140° | 157.1 | 6.0 |
| 140°-150° | 118.6 | 4.6 |
| 150°-160° | 83.5 | 3.2 |
| 160°-170° | 49.2 | 1.9 |
| 170°-180° | 16.0 | 0.6 |
| 0°-30° | 425.6 | 16.4 |
| 0°-40° | 676.0 | 26.0 |
| 0°-60° | 1125.7 | 43.3 |
| 0°-90° | 1363.4 | 52.4 |
| 90°-120° | 618.8 | 23.8 |
| 90°-150° | 1090.3 | 41.9 |
| 90°-180° | 1239.0 | 47.6 |
| 0°-180° | 2602.5 | 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 | 3 | 5 | 7 | 8 | 2 |
| 95° | 11 | 32 | 295 | 134 | 78 | 12 |
| 105° | 38 | 53 | 242 | 476 | 441 | 40 |
| 115° | 67 | 81 | 194 | 418 | 492 | 66 |
| 125° | 93 | 109 | 186 | 332 | 387 | 83 |
| 135° | 109 | 131 | 184 | 279 | 322 | 85 |
| 145° | 127 | 146 | 185 | 231 | 254 | 80 |
| 155° | 145 | 156 | 181 | 204 | 213 | 67 |
| 165° | 158 | 163 | 173 | 184 | 186 | 45 |
| 175° | 165 | 165 | 166 | 168 | 168 | 16 |
| 180° | 165 | 165 | 165 | 165 | 165 | |



TEST NUMBER: P333495-830

CATALOG NUMBER: S125RDIP-S375D365U830-4F0-1E-UDD-F4

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 | 7.6 | 7.2 | 6.8 | 6.4 | 6.2 | 6.2 | 6.2 | 6.2 | 6.3 | 6.3 |
| 90° | 0.4 | 0.7 | 1.3 | 2.0 | 2.6 | 3.3 | 3.7 | 4.3 | 4.6 | 5.4 | 5.7 |
| 92.5° | 4.1 | 4.9 | 7.7 | 11.9 | 17.6 | 27.3 | 45.5 | 76.0 | 109.1 | 107.4 | 86.9 |
| 95° | 11.0 | 11.3 | 13.9 | 17.6 | 25.0 | 40.0 | 75.6 | 148.9 | 240.8 | 295.1 | 288.8 |
| 97.5° | 18.3 | 18.7 | 20.5 | 24.2 | 30.8 | 41.6 | 65.1 | 118.9 | 215.1 | 315.2 | 365.4 |
| 100° | 23.3 | 23.9 | 25.4 | 28.9 | 35.3 | 45.3 | 64.7 | 107.9 | 191.9 | 300.8 | 384.1 |
| 102.5° | 28.9 | 29.3 | 30.3 | 34.3 | 40.2 | 49.9 | 67.0 | 103.4 | 174.3 | 275.5 | 372.9 |
| 105° | 37.6 | 37.6 | 39.3 | 42.6 | 48.0 | 57.3 | 71.9 | 101.6 | 157.2 | 241.5 | 337.1 |
| 107.5° | 46.2 | 46.8 | 48.4 | 51.2 | 56.7 | 65.1 | 79.3 | 104.6 | 150.1 | 218.1 | 300.6 |
| 110° | 52.3 | 53.0 | 54.3 | 57.3 | 62.3 | 71.0 | 84.6 | 107.6 | 147.9 | 207.2 | 279.8 |



TEST NUMBER: P333495-830

CATALOG NUMBER: S125RDIP-S375D365U830-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 58.4 | 59.1 | 60.1 | 63.2 | 68.1 | 76.5 | 89.6 | 111.3 | 147.9 | 200.8 | 264.4 |
| 115° | 67.3 | 68.0 | 69.0 | 71.9 | 76.9 | 85.3 | 97.6 | 116.9 | 148.9 | 193.9 | 247.5 |
| 117.5° | 75.3 | 76.3 | 77.4 | 80.3 | 86.1 | 94.1 | 105.8 | 123.3 | 151.1 | 190.5 | 237.4 |
| 120° | 80.6 | 81.6 | 82.9 | 86.0 | 91.6 | 99.9 | 111.6 | 127.6 | 153.3 | 188.9 | 231.9 |
| 122.5° | 86.2 | 86.9 | 88.0 | 91.0 | 97.2 | 105.6 | 117.2 | 132.3 | 155.0 | 187.6 | 227.1 |
| 125° | 93.3 | 94.0 | 95.6 | 98.6 | 104.9 | 113.6 | 124.6 | 138.9 | 158.3 | 185.9 | 220.6 |
| 127.5° | 98.8 | 99.8 | 101.9 | 105.8 | 112.4 | 121.1 | 131.7 | 144.9 | 161.7 | 185.1 | 214.5 |
| 130° | 102.3 | 103.3 | 105.9 | 110.3 | 117.3 | 125.9 | 136.2 | 148.9 | 163.9 | 184.5 | 210.6 |
| 132.5° | 104.9 | 106.2 | 109.4 | 114.2 | 121.5 | 130.2 | 140.5 | 152.4 | 166.3 | 184.5 | 207.4 |
| 135° | 109.2 | 110.6 | 114.6 | 119.9 | 127.0 | 135.9 | 146.2 | 157.2 | 169.6 | 184.5 | 203.5 |
| 137.5° | 114.7 | 115.7 | 119.4 | 124.8 | 131.7 | 140.9 | 150.3 | 160.8 | 172.6 | 184.9 | 200.1 |
| 140° | 117.9 | 118.9 | 122.9 | 128.3 | 134.6 | 143.5 | 153.3 | 163.2 | 173.9 | 185.2 | 198.5 |
| 142.5° | 121.7 | 122.3 | 126.1 | 131.5 | 137.5 | 146.0 | 155.0 | 164.6 | 174.7 | 185.5 | 197.2 |
| 145° | 127.2 | 127.9 | 131.2 | 135.9 | 141.9 | 149.6 | 158.3 | 166.5 | 175.5 | 185.2 | 195.2 |
| 147.5° | 133.1 | 133.5 | 136.4 | 140.7 | 145.9 | 152.6 | 160.2 | 167.8 | 175.9 | 184.4 | 193.1 |
| 150° | 136.6 | 137.2 | 139.6 | 143.9 | 148.5 | 154.2 | 161.6 | 168.5 | 175.9 | 183.5 | 191.5 |
| 152.5° | 140.3 | 140.7 | 142.8 | 146.6 | 151.0 | 156.1 | 162.9 | 169.1 | 175.6 | 182.5 | 189.6 |
| 155° | 145.2 | 145.2 | 147.2 | 150.5 | 153.9 | 158.5 | 164.2 | 169.6 | 174.8 | 180.6 | 186.5 |
| 157.5° | 149.7 | 149.6 | 151.2 | 154.0 | 156.9 | 160.5 | 165.3 | 169.8 | 174.0 | 178.5 | 183.6 |
| 160° | 152.6 | 152.2 | 153.5 | 155.9 | 158.5 | 161.6 | 165.9 | 169.8 | 173.2 | 177.2 | 181.3 |
| 162.5° | 155.0 | 154.7 | 156.0 | 158.1 | 160.1 | 162.6 | 166.5 | 169.7 | 172.4 | 175.6 | 179.1 |
| 165° | 158.5 | 157.9 | 158.9 | 160.5 | 161.9 | 163.9 | 166.5 | 169.2 | 171.3 | 173.2 | 175.9 |
| 167.5° | 161.0 | 160.6 | 161.3 | 162.1 | 163.1 | 164.4 | 166.5 | 168.4 | 169.4 | 170.9 | 172.8 |
| 170° | 162.6 | 162.2 | 162.6 | 163.2 | 163.9 | 164.9 | 166.5 | 167.9 | 168.5 | 169.6 | 170.9 |
| 172.5° | 163.6 | 163.1 | 163.3 | 164.0 | 164.4 | 164.9 | 166.3 | 167.4 | 167.5 | 168.0 | 169.0 |
| 175° | 164.9 | 164.2 | 164.6 | 164.9 | 164.9 | 164.9 | 165.9 | 166.5 | 166.3 | 166.3 | 166.5 |
| 177.5° | 165.5 | 164.9 | 164.9 | 165.2 | 164.9 | 164.9 | 165.5 | 165.8 | 165.2 | 165.2 | 165.5 |
| 180° | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 |



TEST NUMBER: P333495-830

CATALOG NUMBER: S125RDIP-S375D365U830-4F0-1E-UDD-F4

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° | 6.4 | 6.5 | 6.6 | 6.7 | 6.6 | 6.5 | 6.5 | 6.4 |
| 90° | 6.0 | 6.3 | 6.7 | 7.4 | 7.4 | 7.4 | 7.6 | 7.6 |
| 92.5° | 59.0 | 42.8 | 32.2 | 27.3 | 23.1 | 22.2 | 21.8 | 21.2 |
| 95° | 239.5 | 188.9 | 147.9 | 119.9 | 96.2 | 86.2 | 83.6 | 78.3 |
| 97.5° | 356.7 | 321.2 | 281.3 | 242.3 | 221.8 | 203.1 | 193.5 | 189.2 |
| 100° | 409.7 | 393.4 | 359.1 | 324.4 | 301.4 | 277.5 | 265.1 | 259.9 |
| 102.5° | 427.5 | 437.6 | 421.2 | 397.8 | 373.2 | 356.1 | 342.7 | 338.7 |
| 105° | 417.1 | 462.7 | 477.3 | 473.7 | 463.0 | 452.0 | 445.4 | 441.4 |
| 107.5° | 379.5 | 440.4 | 478.0 | 495.4 | 500.8 | 500.8 | 498.5 | 495.9 |
| 110° | 351.8 | 415.1 | 462.0 | 490.3 | 505.3 | 511.6 | 514.0 | 514.0 |



TEST NUMBER: P333495-830

CATALOG NUMBER: S125RDIP-S375D365U830-4F0-1E-UDD-F4

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 329.9 | 390.0 | 437.5 | 470.9 | 492.8 | 503.7 | 509.4 | 511.9 |
| 115° | 302.5 | 354.1 | 399.7 | 436.0 | 462.0 | 478.0 | 487.3 | 491.6 |
| 117.5° | 284.7 | 329.2 | 368.5 | 401.9 | 427.8 | 444.4 | 453.6 | 456.3 |
| 120° | 275.1 | 315.1 | 351.8 | 381.1 | 405.8 | 421.7 | 430.7 | 433.4 |
| 122.5° | 268.0 | 305.0 | 337.6 | 365.0 | 387.1 | 401.7 | 410.8 | 413.1 |
| 125° | 257.5 | 291.4 | 320.5 | 344.4 | 363.1 | 376.7 | 384.1 | 387.4 |
| 127.5° | 246.9 | 278.5 | 305.6 | 328.0 | 345.0 | 357.0 | 363.9 | 365.4 |
| 130° | 240.2 | 269.5 | 295.5 | 317.2 | 333.8 | 344.8 | 351.5 | 353.5 |
| 132.5° | 233.5 | 261.0 | 284.6 | 305.4 | 322.1 | 333.0 | 339.1 | 341.4 |
| 135° | 224.9 | 247.8 | 269.2 | 288.1 | 302.8 | 313.8 | 319.8 | 321.8 |
| 137.5° | 217.5 | 236.1 | 253.8 | 269.9 | 283.0 | 293.0 | 298.6 | 300.8 |
| 140° | 213.5 | 229.1 | 244.5 | 258.4 | 270.8 | 279.5 | 284.5 | 286.2 |
| 142.5° | 210.1 | 223.3 | 236.5 | 248.6 | 259.1 | 266.5 | 271.2 | 272.6 |
| 145° | 205.6 | 215.8 | 226.2 | 235.2 | 243.2 | 248.8 | 252.5 | 253.8 |
| 147.5° | 201.2 | 209.6 | 217.6 | 224.4 | 230.7 | 235.3 | 237.3 | 238.0 |
| 150° | 198.9 | 206.2 | 212.5 | 218.5 | 223.5 | 227.5 | 228.8 | 229.1 |
| 152.5° | 196.2 | 202.7 | 208.5 | 213.2 | 217.4 | 220.6 | 221.9 | 222.3 |
| 155° | 192.2 | 197.6 | 202.2 | 205.9 | 209.2 | 211.5 | 212.5 | 212.8 |
| 157.5° | 188.2 | 192.6 | 196.2 | 199.1 | 201.7 | 203.6 | 204.5 | 204.4 |
| 160° | 185.6 | 188.9 | 192.2 | 194.5 | 196.9 | 198.5 | 199.2 | 198.9 |
| 162.5° | 182.6 | 185.7 | 188.5 | 190.6 | 192.4 | 193.7 | 193.9 | 193.8 |
| 165° | 178.5 | 180.9 | 182.9 | 184.5 | 185.9 | 186.5 | 186.5 | 186.5 |
| 167.5° | 174.7 | 176.3 | 177.8 | 179.0 | 179.6 | 180.2 | 179.9 | 179.8 |
| 170° | 172.6 | 173.5 | 174.6 | 175.2 | 175.9 | 176.3 | 176.3 | 175.9 |
| 172.5° | 170.1 | 171.2 | 171.9 | 172.3 | 172.4 | 173.1 | 172.5 | 172.1 |
| 175° | 167.6 | 167.6 | 168.2 | 168.2 | 168.2 | 168.5 | 167.9 | 167.6 |
| 177.5° | 165.8 | 166.0 | 166.0 | 166.0 | 165.8 | 166.0 | 165.2 | 165.2 |
| 180° | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 | 165.2 |

(END OF REPORT)