

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: P333118-830

Luminaire Tested: **S125DIP-S375D365U830-4F0-1E-UDD-D**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P333118-830  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1807-864-7,  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: NEO-RAY  
Catalog Number: S125DIP-S375D365U830-4F0-1E-UDD-D  
Description: DEFINE 5 DIRECT-INDIRECT PENDANT LED LUMINAIRE  
DOWNLIGHT 375 LUMENS PER FOOT, DROP SATIN WHITE DIFFUSER  
UPLIGHT 365 LUMENS PER FOOT, NO LENS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2757.3 lumens  
Efficiency: N/A  
Efficacy: 135.8 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34  
Luminous Opening: Rectangular w/ Sides (W: 0.42' x L: 4' x H: 0.08')  
CIE Type: General Diffuse

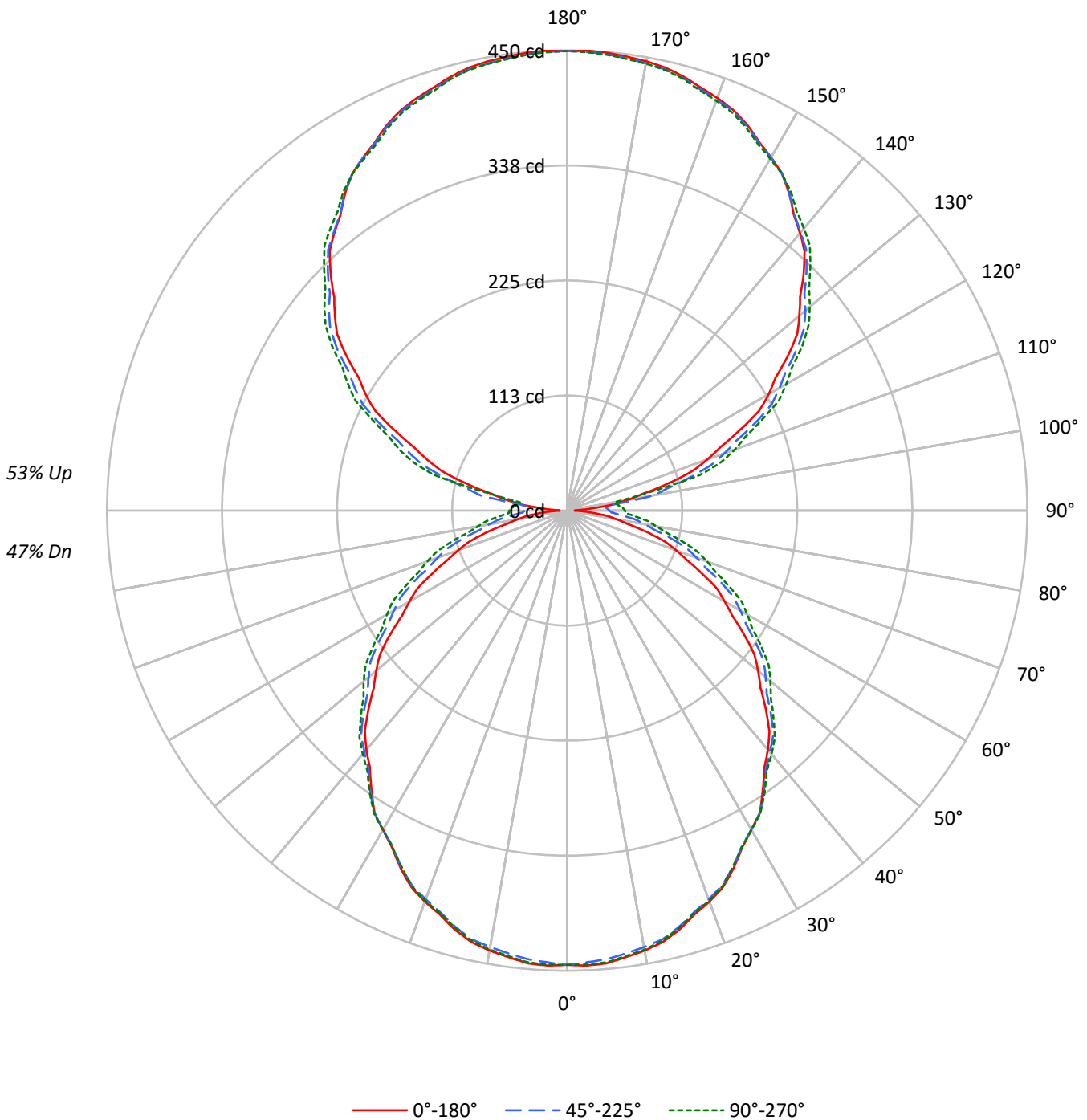
Input Watts (W): 20.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P333118-830

CATALOG NUMBER: S125DIP-S375D365U830-4F0-1E-UDD-D

### Luminous Intensity Polar Plot





TEST NUMBER: P333118-830

CATALOG NUMBER: S125DIP-S375D365U830-4F0-1E-UDD-D

**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   | 106 | 106 | 106 | 106 | 98 | 98 | 98 | 98 | 82 | 82 | 82 |  | 67 | 67 | 67 |  | 53 | 53 | 53 | 47 |
| 1   | 96  | 92  | 88  | 84  | 88 | 84 | 81 | 78 | 70 | 68 | 66 |  | 58 | 56 | 54 |  | 46 | 45 | 44 | 38 |
| 2   | 87  | 80  | 73  | 68  | 80 | 73 | 68 | 63 | 61 | 57 | 54 |  | 50 | 47 | 45 |  | 40 | 38 | 36 | 31 |
| 3   | 80  | 70  | 62  | 56  | 73 | 64 | 58 | 52 | 54 | 49 | 45 |  | 44 | 41 | 38 |  | 35 | 33 | 30 | 26 |
| 4   | 73  | 62  | 54  | 47  | 66 | 57 | 50 | 44 | 48 | 42 | 38 |  | 39 | 35 | 32 |  | 31 | 28 | 26 | 22 |
| 5   | 67  | 55  | 47  | 40  | 61 | 51 | 43 | 38 | 43 | 37 | 33 |  | 35 | 31 | 28 |  | 28 | 25 | 23 | 19 |
| 6   | 61  | 49  | 41  | 35  | 56 | 45 | 38 | 33 | 38 | 33 | 28 |  | 32 | 27 | 24 |  | 26 | 22 | 20 | 17 |
| 7   | 57  | 44  | 36  | 31  | 52 | 41 | 34 | 29 | 35 | 29 | 25 |  | 29 | 24 | 21 |  | 23 | 20 | 18 | 15 |
| 8   | 53  | 40  | 32  | 27  | 48 | 37 | 30 | 25 | 32 | 26 | 22 |  | 26 | 22 | 19 |  | 21 | 18 | 16 | 13 |
| 9   | 49  | 37  | 29  | 24  | 45 | 34 | 27 | 22 | 29 | 23 | 20 |  | 24 | 20 | 17 |  | 20 | 16 | 14 | 12 |
| 10  | 46  | 33  | 26  | 21  | 42 | 31 | 25 | 20 | 27 | 21 | 18 |  | 22 | 18 | 15 |  | 18 | 15 | 13 | 11 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2869 | 2869 | 2869 |
| 5°  | 2875 | 2817 | 2826 |
| 10° | 2855 | 2766 | 2762 |
| 15° | 2821 | 2706 | 2681 |
| 20° | 2776 | 2631 | 2601 |
| 25° | 2721 | 2552 | 2502 |
| 30° | 2654 | 2464 | 2411 |
| 35° | 2593 | 2384 | 2329 |
| 40° | 2531 | 2299 | 2245 |
| 45° | 2459 | 2226 | 2171 |
| 50° | 2391 | 2147 | 2106 |
| 55° | 2309 | 2073 | 2030 |
| 60° | 2220 | 1989 | 1951 |
| 65° | 2128 | 1900 | 1864 |
| 70° | 2024 | 1779 | 1773 |
| 75° | 1855 | 1662 | 1662 |
| 80° | 1636 | 1521 | 1540 |
| 85° | 1430 | 1424 | 1502 |



TEST NUMBER: P333118-830

CATALOG NUMBER: S125DIP-S375D365U830-4F0-1E-UDD-D

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 42.0   | 1.5       |
| 10°-20°   | 119.3  | 4.3       |
| 20°-30°   | 177.4  | 6.4       |
| 30°-40°   | 210.1  | 7.6       |
| 40°-50°   | 217.2  | 7.9       |
| 50°-60°   | 200.1  | 7.3       |
| 60°-70°   | 161.8  | 5.9       |
| 70°-80°   | 108.3  | 3.9       |
| 80°-90°   | 57.1   | 2.1       |
| 90°-100°  | 47.9   | 1.7       |
| 100°-110° | 123.9  | 4.5       |
| 110°-120° | 198.1  | 7.2       |
| 120°-130° | 243.1  | 8.8       |
| 130°-140° | 255.9  | 9.3       |
| 140°-150° | 237.3  | 8.6       |
| 150°-160° | 191.4  | 6.9       |
| 160°-170° | 123.8  | 4.5       |
| 170°-180° | 42.7   | 1.5       |
| 0°-30°    | 338.7  | 12.3      |
| 0°-40°    | 548.8  | 19.9      |
| 0°-60°    | 966.1  | 35.0      |
| 0°-90°    | 1293.3 | 46.9      |
| 90°-120°  | 369.9  | 13.4      |
| 90°-150°  | 1106.2 | 40.1      |
| 90°-180°  | 1464.0 | 53.1      |
| 0°-180°   | 2757.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 444 | 444   | 444 | 444   | 444 |      |
| 5°   | 444 | 443   | 440 | 444   | 444 | 42   |
| 15°  | 424 | 424   | 422 | 424   | 422 | 119  |
| 25°  | 386 | 387   | 384 | 386   | 384 | 177  |
| 35°  | 334 | 336   | 336 | 337   | 337 | 209  |
| 45°  | 275 | 280   | 282 | 285   | 285 | 212  |
| 55°  | 211 | 218   | 225 | 230   | 232 | 189  |
| 65°  | 146 | 156   | 166 | 172   | 174 | 144  |
| 75°  | 80  | 92    | 105 | 114   | 116 | 85   |
| 85°  | 24  | 38    | 54  | 63    | 67  | 26   |
| 90°  | 7   | 24    | 41  | 52    | 57  | 5    |
| 95°  | 25  | 35    | 37  | 48    | 52  | 29   |
| 105° | 102 | 110   | 123 | 132   | 135 | 108  |
| 115° | 186 | 192   | 203 | 209   | 210 | 185  |
| 125° | 263 | 266   | 274 | 279   | 281 | 235  |
| 135° | 327 | 329   | 331 | 336   | 336 | 252  |
| 145° | 379 | 379   | 379 | 381   | 381 | 237  |
| 155° | 416 | 415   | 415 | 416   | 414 | 192  |
| 165° | 439 | 438   | 438 | 440   | 437 | 124  |
| 175° | 449 | 448   | 448 | 450   | 447 | 43   |
| 180° | 449 | 449   | 449 | 449   | 449 |      |



TEST NUMBER: P333118-830

CATALOG NUMBER: S125DIP-S375D365U830-4F0-1E-UDD-D

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 444.3 | 444.3 | 444.3 | 444.3 | 444.3 | 444.3 | 444.3 | 444.3 | 444.3 | 444.3 | 444.3 |
| 2.5°   | 445.4 | 445.2 | 445.1 | 444.9 | 444.8 | 444.4 | 443.8 | 443.3 | 442.8 | 442.2 | 442.8 |
| 5°     | 444.3 | 444.1 | 443.9 | 443.7 | 443.6 | 443.1 | 442.4 | 441.8 | 441.1 | 440.4 | 441.2 |
| 7.5°   | 440.4 | 440.4 | 440.3 | 440.2 | 440.1 | 439.7 | 439.0 | 438.3 | 437.6 | 436.9 | 437.6 |
| 10°    | 436.9 | 436.9 | 436.9 | 436.9 | 436.9 | 436.5 | 435.7 | 435.0 | 434.2 | 433.4 | 434.1 |
| 12.5°  | 432.1 | 432.2 | 432.2 | 432.3 | 432.3 | 432.1 | 431.5 | 430.8 | 430.2 | 429.6 | 430.1 |
| 15°    | 424.2 | 424.3 | 424.4 | 424.6 | 424.7 | 424.3 | 423.7 | 423.0 | 422.4 | 421.7 | 422.3 |
| 17.5°  | 414.2 | 414.3 | 414.5 | 414.7 | 414.9 | 414.7 | 414.1 | 413.3 | 412.6 | 412.0 | 412.5 |
| 20°    | 406.9 | 407.1 | 407.3 | 407.5 | 407.6 | 407.4 | 406.7 | 406.0 | 405.4 | 404.6 | 405.0 |
| 22.5°  | 398.5 | 398.9 | 399.2 | 399.5 | 399.9 | 399.6 | 398.9 | 398.1 | 397.4 | 396.6 | 397.0 |
| 25°    | 385.5 | 385.8 | 386.1 | 386.3 | 386.6 | 386.5 | 386.0 | 385.4 | 384.7 | 384.2 | 384.6 |
| 27.5°  | 371.1 | 371.5 | 371.9 | 372.3 | 372.8 | 372.7 | 372.0 | 371.4 | 370.7 | 370.0 | 370.2 |
| 30°    | 360.2 | 360.8 | 361.4 | 362.0 | 362.6 | 362.6 | 362.0 | 361.4 | 360.8 | 360.2 | 360.4 |
| 32.5°  | 350.5 | 351.0 | 351.5 | 352.0 | 352.5 | 352.5 | 352.1 | 351.7 | 351.3 | 350.8 | 351.0 |
| 35°    | 333.7 | 334.3 | 335.1 | 335.7 | 336.4 | 336.6 | 336.3 | 336.0 | 335.7 | 335.5 | 335.7 |
| 37.5°  | 316.9 | 317.4 | 318.1 | 318.7 | 319.3 | 319.6 | 319.5 | 319.4 | 319.3 | 319.2 | 319.6 |
| 40°    | 305.4 | 306.1 | 306.9 | 307.6 | 308.5 | 308.8 | 308.7 | 308.6 | 308.5 | 308.4 | 308.8 |
| 42.5°  | 292.8 | 293.8 | 294.8 | 295.9 | 296.8 | 297.5 | 297.7 | 297.8 | 298.1 | 298.3 | 298.8 |
| 45°    | 274.8 | 276.0 | 277.0 | 278.1 | 279.1 | 279.9 | 280.4 | 280.9 | 281.3 | 281.8 | 282.5 |
| 47.5°  | 256.5 | 257.5 | 258.4 | 259.5 | 260.4 | 261.4 | 262.2 | 263.0 | 263.8 | 264.7 | 265.7 |
| 50°    | 243.9 | 245.0 | 246.1 | 247.1 | 248.2 | 249.3 | 250.3 | 251.4 | 252.4 | 253.5 | 254.6 |
| 52.5°  | 230.7 | 232.0 | 233.3 | 234.6 | 235.9 | 237.1 | 238.5 | 239.8 | 241.1 | 242.3 | 243.6 |
| 55°    | 211.2 | 212.8 | 214.3 | 215.9 | 217.4 | 219.0 | 220.6 | 222.1 | 223.7 | 225.2 | 226.3 |
| 57.5°  | 191.4 | 193.2 | 195.1 | 197.0 | 198.9 | 200.7 | 202.5 | 204.2 | 206.0 | 207.7 | 209.0 |
| 60°    | 178.1 | 180.1 | 182.0 | 184.0 | 185.9 | 187.8 | 189.7 | 191.7 | 193.7 | 195.6 | 197.0 |
| 62.5°  | 165.2 | 167.2 | 169.2 | 171.1 | 173.1 | 175.0 | 177.1 | 179.2 | 181.3 | 183.4 | 185.0 |
| 65°    | 145.5 | 147.7 | 150.0 | 152.1 | 154.4 | 156.7 | 159.0 | 161.4 | 163.6 | 166.0 | 167.4 |
| 67.5°  | 126.9 | 129.0 | 131.1 | 133.3 | 135.4 | 137.7 | 140.1 | 142.4 | 144.8 | 147.1 | 148.9 |
| 70°    | 113.3 | 115.5 | 117.7 | 119.9 | 122.2 | 124.5 | 127.1 | 129.6 | 132.1 | 134.6 | 136.5 |
| 72.5°  | 100.0 | 102.4 | 104.6 | 106.9 | 109.2 | 111.8 | 114.5 | 117.3 | 120.0 | 122.7 | 124.8 |
| 75°    | 80.1  | 82.7  | 85.2  | 87.7  | 90.2  | 93.0  | 96.1  | 99.2  | 102.4 | 105.4 | 107.4 |
| 77.5°  | 61.1  | 64.0  | 66.9  | 69.7  | 72.7  | 75.6  | 78.6  | 81.6  | 84.5  | 87.6  | 89.7  |
| 80°    | 49.2  | 52.1  | 55.0  | 58.0  | 60.8  | 63.9  | 67.2  | 70.5  | 73.8  | 77.1  | 79.3  |
| 82.5°  | 38.5  | 41.5  | 44.6  | 47.6  | 50.6  | 53.9  | 57.2  | 60.6  | 64.0  | 67.3  | 69.4  |
| 85°    | 23.9  | 27.1  | 30.3  | 33.6  | 36.8  | 40.1  | 43.5  | 46.8  | 50.2  | 53.5  | 55.7  |
| 87.5°  | 13.7  | 16.9  | 20.1  | 23.3  | 26.5  | 29.8  | 33.2  | 36.6  | 40.1  | 43.5  | 45.7  |
| 90°    | 7.3   | 11.0  | 14.7  | 18.4  | 22.1  | 25.8  | 29.6  | 33.5  | 37.2  | 41.1  | 43.6  |
| 92.5°  | 11.4  | 13.9  | 16.3  | 18.8  | 21.2  | 24.3  | 28.2  | 32.0  | 35.8  | 39.7  | 42.1  |
| 95°    | 24.7  | 27.0  | 29.2  | 31.6  | 33.8  | 35.3  | 35.7  | 36.2  | 36.7  | 37.1  | 39.6  |
| 97.5°  | 44.8  | 47.4  | 50.1  | 52.8  | 55.4  | 55.6  | 53.2  | 50.8  | 48.4  | 46.0  | 46.0  |
| 100°   | 60.4  | 62.7  | 64.9  | 67.2  | 69.5  | 72.3  | 75.7  | 79.1  | 82.5  | 85.9  | 76.8  |
| 102.5° | 76.3  | 78.5  | 80.7  | 82.8  | 85.0  | 87.7  | 90.9  | 94.1  | 97.3  | 100.5 | 100.3 |
| 105°   | 101.9 | 103.7 | 105.6 | 107.4 | 109.2 | 111.6 | 114.5 | 117.4 | 120.4 | 123.3 | 125.2 |
| 107.5° | 128.4 | 129.7 | 131.0 | 132.3 | 133.7 | 135.8 | 138.7 | 141.7 | 144.6 | 147.5 | 149.5 |
| 110°   | 145.6 | 146.8 | 148.0 | 149.1 | 150.3 | 152.3 | 155.1 | 158.1 | 160.9 | 163.7 | 165.3 |



TEST NUMBER: P333118-830

CATALOG NUMBER: S125DIP-S375D365U830-4F0-1E-UDD-D

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 162.2 | 163.2 | 164.4 | 165.5 | 166.6 | 168.5 | 171.3 | 174.0 | 176.7 | 179.4 | 180.9 |
| 115°   | 186.5 | 187.6 | 188.6 | 189.6 | 190.7 | 192.6 | 195.1 | 197.7 | 200.3 | 202.9 | 204.3 |
| 117.5° | 211.8 | 212.2 | 212.6 | 213.0 | 213.5 | 215.0 | 217.6 | 220.4 | 223.0 | 225.6 | 227.0 |
| 120°   | 227.7 | 227.9 | 228.2 | 228.4 | 228.6 | 230.0 | 232.3 | 234.8 | 237.2 | 239.7 | 241.2 |
| 122.5° | 241.5 | 242.0 | 242.3 | 242.8 | 243.2 | 244.5 | 246.8 | 249.0 | 251.3 | 253.5 | 255.0 |
| 125°   | 263.3 | 263.7 | 264.1 | 264.6 | 264.9 | 266.2 | 268.1 | 270.0 | 271.9 | 273.9 | 275.1 |
| 127.5° | 283.7 | 284.0 | 284.3 | 284.6 | 284.8 | 285.7 | 287.3 | 288.8 | 290.3 | 291.9 | 293.1 |
| 130°   | 296.5 | 296.8 | 297.1 | 297.3 | 297.6 | 298.4 | 299.9 | 301.3 | 302.7 | 304.2 | 305.3 |
| 132.5° | 309.0 | 309.3 | 309.7 | 310.2 | 310.6 | 311.2 | 312.1 | 313.0 | 313.9 | 314.7 | 316.0 |
| 135°   | 327.1 | 327.4 | 327.7 | 328.1 | 328.5 | 328.9 | 329.4 | 329.9 | 330.5 | 331.0 | 332.1 |
| 137.5° | 343.7 | 344.0 | 344.3 | 344.6 | 344.9 | 345.2 | 345.3 | 345.5 | 345.7 | 345.9 | 347.1 |
| 140°   | 354.3 | 354.4 | 354.6 | 354.7 | 354.9 | 355.0 | 355.0 | 355.0 | 355.1 | 355.1 | 356.3 |
| 142.5° | 364.1 | 364.1 | 364.1 | 364.2 | 364.2 | 364.2 | 364.4 | 364.5 | 364.6 | 364.8 | 365.7 |
| 145°   | 378.6 | 378.6 | 378.7 | 378.7 | 378.8 | 378.8 | 378.8 | 378.8 | 378.8 | 378.8 | 379.4 |
| 147.5° | 390.8 | 390.8 | 390.8 | 390.7 | 390.7 | 390.7 | 390.8 | 390.9 | 391.0 | 391.1 | 391.3 |
| 150°   | 398.8 | 398.7 | 398.5 | 398.3 | 398.2 | 398.2 | 398.3 | 398.5 | 398.7 | 398.8 | 399.0 |
| 152.5° | 406.5 | 406.2 | 405.9 | 405.6 | 405.2 | 405.1 | 405.3 | 405.5 | 405.6 | 405.8 | 405.9 |
| 155°   | 416.5 | 416.0 | 415.6 | 415.1 | 414.7 | 414.5 | 414.7 | 414.8 | 415.0 | 415.1 | 415.4 |
| 157.5° | 424.1 | 423.9 | 423.6 | 423.3 | 423.1 | 422.9 | 422.9 | 423.0 | 423.0 | 423.0 | 423.2 |
| 160°   | 429.4 | 429.0 | 428.6 | 428.1 | 427.7 | 427.5 | 427.5 | 427.6 | 427.7 | 427.8 | 428.1 |
| 162.5° | 433.8 | 433.3 | 432.8 | 432.3 | 432.0 | 431.8 | 431.9 | 431.9 | 432.0 | 432.1 | 432.4 |
| 165°   | 439.4 | 439.0 | 438.6 | 438.1 | 437.7 | 437.5 | 437.5 | 437.6 | 437.7 | 437.8 | 438.2 |
| 167.5° | 443.7 | 443.3 | 442.8 | 442.3 | 441.9 | 441.7 | 441.8 | 441.9 | 442.0 | 442.0 | 442.5 |
| 170°   | 446.1 | 445.6 | 445.1 | 444.6 | 444.0 | 443.8 | 443.9 | 443.9 | 444.0 | 444.1 | 444.7 |
| 172.5° | 447.7 | 447.2 | 446.7 | 446.2 | 445.6 | 445.4 | 445.5 | 445.7 | 445.8 | 446.0 | 446.5 |
| 175°   | 449.4 | 449.0 | 448.6 | 448.1 | 447.7 | 447.5 | 447.5 | 447.6 | 447.7 | 447.8 | 448.4 |
| 177.5° | 450.3 | 449.9 | 449.5 | 449.2 | 448.8 | 448.7 | 448.7 | 448.8 | 448.8 | 448.9 | 449.3 |
| 180°   | 449.4 | 449.4 | 449.4 | 449.4 | 449.4 | 449.4 | 449.4 | 449.4 | 449.4 | 449.4 | 449.4 |



TEST NUMBER: P333118-830

CATALOG NUMBER: S125DIP-S375D365U830-4F0-1E-UDD-D

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 444.3 | 444.3 | 444.3 | 444.3 | 444.3 | 444.3 | 444.3 | 444.3 |
| 2.5°   | 443.3 | 443.8 | 444.4 | 444.6 | 444.5 | 444.5 | 444.4 | 444.3 |
| 5°     | 442.0 | 442.7 | 443.5 | 443.8 | 443.7 | 443.7 | 443.6 | 443.5 |
| 7.5°   | 438.3 | 438.9 | 439.6 | 439.9 | 439.8 | 439.7 | 439.6 | 439.5 |
| 10°    | 434.8 | 435.5 | 436.1 | 436.4 | 436.3 | 436.2 | 436.1 | 436.0 |
| 12.5°  | 430.6 | 431.1 | 431.7 | 431.8 | 431.6 | 431.3 | 431.0 | 430.8 |
| 15°    | 422.8 | 423.4 | 424.0 | 424.0 | 423.7 | 423.3 | 422.9 | 422.5 |
| 17.5°  | 412.9 | 413.3 | 413.8 | 413.9 | 413.7 | 413.4 | 413.2 | 412.9 |
| 20°    | 405.3 | 405.6 | 405.9 | 406.0 | 406.0 | 406.0 | 406.0 | 406.0 |
| 22.5°  | 397.4 | 397.8 | 398.1 | 398.2 | 397.9 | 397.8 | 397.5 | 397.3 |
| 25°    | 384.9 | 385.4 | 385.8 | 385.7 | 385.2 | 384.7 | 384.3 | 383.8 |
| 27.5°  | 370.5 | 370.8 | 371.1 | 371.2 | 371.0 | 370.8 | 370.6 | 370.4 |
| 30°    | 360.6 | 360.8 | 361.0 | 361.1 | 361.0 | 360.9 | 360.8 | 360.7 |
| 32.5°  | 351.2 | 351.4 | 351.6 | 351.7 | 351.6 | 351.5 | 351.4 | 351.3 |
| 35°    | 336.0 | 336.3 | 336.6 | 336.7 | 336.7 | 336.7 | 336.7 | 336.7 |
| 37.5°  | 320.0 | 320.4 | 320.7 | 320.9 | 320.9 | 320.8 | 320.8 | 320.7 |
| 40°    | 309.2 | 309.5 | 310.0 | 310.3 | 310.5 | 310.7 | 310.9 | 311.0 |
| 42.5°  | 299.3 | 299.7 | 300.2 | 300.4 | 300.5 | 300.5 | 300.5 | 300.6 |
| 45°    | 283.2 | 283.9 | 284.6 | 284.9 | 285.0 | 285.1 | 285.2 | 285.3 |
| 47.5°  | 266.6 | 267.7 | 268.6 | 269.2 | 269.5 | 269.7 | 269.8 | 270.0 |
| 50°    | 255.6 | 256.7 | 257.8 | 258.4 | 258.7 | 259.0 | 259.3 | 259.6 |
| 52.5°  | 244.7 | 245.8 | 246.9 | 247.6 | 247.8 | 248.1 | 248.3 | 248.5 |
| 55°    | 227.3 | 228.4 | 229.5 | 230.2 | 230.5 | 230.9 | 231.4 | 231.8 |
| 57.5°  | 210.2 | 211.4 | 212.6 | 213.4 | 213.7 | 214.0 | 214.3 | 214.6 |
| 60°    | 198.5 | 199.9 | 201.4 | 202.3 | 202.6 | 202.8 | 203.1 | 203.4 |
| 62.5°  | 186.6 | 188.2 | 189.8 | 190.8 | 191.1 | 191.5 | 191.9 | 192.3 |
| 65°    | 168.9 | 170.3 | 171.7 | 172.7 | 173.1 | 173.4 | 173.9 | 174.3 |
| 67.5°  | 150.7 | 152.4 | 154.2 | 155.3 | 155.8 | 156.4 | 156.8 | 157.3 |
| 70°    | 138.3 | 140.2 | 141.9 | 143.2 | 143.7 | 144.3 | 144.9 | 145.5 |
| 72.5°  | 126.8 | 128.8 | 130.7 | 132.0 | 132.3 | 132.8 | 133.2 | 133.7 |
| 75°    | 109.3 | 111.2 | 113.2 | 114.3 | 114.9 | 115.4 | 115.8 | 116.3 |
| 77.5°  | 91.8  | 94.0  | 96.0  | 97.4  | 97.7  | 98.1  | 98.5  | 98.9  |
| 80°    | 81.3  | 83.5  | 85.6  | 86.9  | 87.3  | 87.7  | 88.0  | 88.4  |
| 82.5°  | 71.4  | 73.5  | 75.6  | 76.9  | 77.7  | 78.3  | 79.0  | 79.7  |
| 85°    | 57.9  | 59.9  | 62.1  | 63.5  | 64.3  | 65.1  | 65.9  | 66.6  |
| 87.5°  | 48.0  | 50.3  | 52.6  | 54.1  | 54.9  | 55.6  | 56.3  | 57.0  |
| 90°    | 46.3  | 48.8  | 51.5  | 53.2  | 54.1  | 55.0  | 55.9  | 56.7  |
| 92.5°  | 44.7  | 47.2  | 49.8  | 51.4  | 52.1  | 53.0  | 53.7  | 54.5  |
| 95°    | 42.1  | 44.6  | 47.1  | 48.7  | 49.4  | 50.0  | 50.7  | 51.5  |
| 97.5°  | 45.9  | 45.8  | 45.8  | 46.1  | 46.8  | 47.4  | 48.1  | 48.7  |
| 100°   | 67.9  | 58.8  | 49.9  | 45.5  | 45.8  | 46.1  | 46.4  | 46.7  |
| 102.5° | 100.2 | 100.1 | 99.9  | 97.6  | 93.2  | 88.7  | 84.3  | 79.8  |
| 105°   | 127.1 | 129.0 | 131.0 | 132.2 | 132.9 | 133.5 | 134.0 | 134.7 |
| 107.5° | 151.4 | 153.4 | 155.2 | 156.5 | 156.8 | 157.2 | 157.6 | 158.0 |
| 110°   | 167.0 | 168.6 | 170.2 | 171.4 | 172.1 | 172.9 | 173.6 | 174.4 |





TEST NUMBER: P333118-830

CATALOG NUMBER: S125DIP-S375D365U830-4F0-1E-UDD-D

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 182.4 | 183.9 | 185.3 | 186.3 | 186.9 | 187.5 | 188.0 | 188.6 |
| 115°   | 205.8 | 207.3 | 208.7 | 209.4 | 209.6 | 209.7 | 209.9 | 210.0 |
| 117.5° | 228.2 | 229.4 | 230.7 | 231.6 | 232.1 | 232.5 | 233.0 | 233.5 |
| 120°   | 242.7 | 244.2 | 245.7 | 246.6 | 246.8 | 247.0 | 247.2 | 247.4 |
| 122.5° | 256.4 | 257.8 | 259.2 | 260.0 | 260.1 | 260.3 | 260.4 | 260.6 |
| 125°   | 276.4 | 277.7 | 278.9 | 279.7 | 279.9 | 280.2 | 280.4 | 280.7 |
| 127.5° | 294.5 | 295.7 | 297.0 | 297.6 | 297.7 | 297.7 | 297.7 | 297.7 |
| 130°   | 306.4 | 307.6 | 308.7 | 309.3 | 309.4 | 309.5 | 309.6 | 309.8 |
| 132.5° | 317.4 | 318.7 | 320.0 | 320.7 | 320.7 | 320.7 | 320.7 | 320.8 |
| 135°   | 333.2 | 334.3 | 335.5 | 336.0 | 336.0 | 336.1 | 336.1 | 336.2 |
| 137.5° | 348.3 | 349.5 | 350.6 | 351.2 | 351.2 | 351.2 | 351.2 | 351.2 |
| 140°   | 357.5 | 358.6 | 359.9 | 360.4 | 360.4 | 360.3 | 360.3 | 360.2 |
| 142.5° | 366.6 | 367.6 | 368.5 | 368.9 | 368.9 | 368.8 | 368.7 | 368.7 |
| 145°   | 379.9 | 380.5 | 381.1 | 381.3 | 381.3 | 381.2 | 381.2 | 381.1 |
| 147.5° | 391.5 | 391.8 | 392.1 | 392.0 | 391.6 | 391.2 | 390.9 | 390.6 |
| 150°   | 399.1 | 399.3 | 399.4 | 399.3 | 398.7 | 398.2 | 397.8 | 397.3 |
| 152.5° | 406.0 | 406.1 | 406.3 | 406.1 | 405.7 | 405.1 | 404.6 | 404.1 |
| 155°   | 415.6 | 415.8 | 416.0 | 415.8 | 415.3 | 414.6 | 414.1 | 413.5 |
| 157.5° | 423.5 | 423.7 | 424.0 | 423.8 | 423.2 | 422.5 | 422.0 | 421.4 |
| 160°   | 428.4 | 428.7 | 429.0 | 428.9 | 428.2 | 427.6 | 427.1 | 426.5 |
| 162.5° | 432.9 | 433.3 | 433.8 | 433.6 | 432.9 | 432.3 | 431.7 | 431.0 |
| 165°   | 438.7 | 439.1 | 439.6 | 439.5 | 438.9 | 438.3 | 437.7 | 437.2 |
| 167.5° | 443.1 | 443.6 | 444.1 | 444.0 | 443.4 | 442.7 | 442.1 | 441.4 |
| 170°   | 445.3 | 445.9 | 446.5 | 446.5 | 445.8 | 445.2 | 444.4 | 443.7 |
| 172.5° | 447.0 | 447.6 | 448.1 | 448.1 | 447.4 | 446.7 | 446.0 | 445.4 |
| 175°   | 448.9 | 449.6 | 450.2 | 450.2 | 449.4 | 448.7 | 448.1 | 447.4 |
| 177.5° | 449.8 | 450.2 | 450.5 | 450.5 | 450.1 | 449.6 | 449.1 | 448.7 |
| 180°   | 449.4 | 449.4 | 449.4 | 449.4 | 449.4 | 449.4 | 449.4 | 449.4 |

(END OF REPORT)