

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P936257

Luminaire Tested: SQ4-FB-025U-050D-93050-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936257
REPORT IS A COMBINATION OF REPORTS P933437 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FB-025U-050D-93050-1D-UNV-STD-W-4-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L
Light Source: -
Ballast/Driver: -

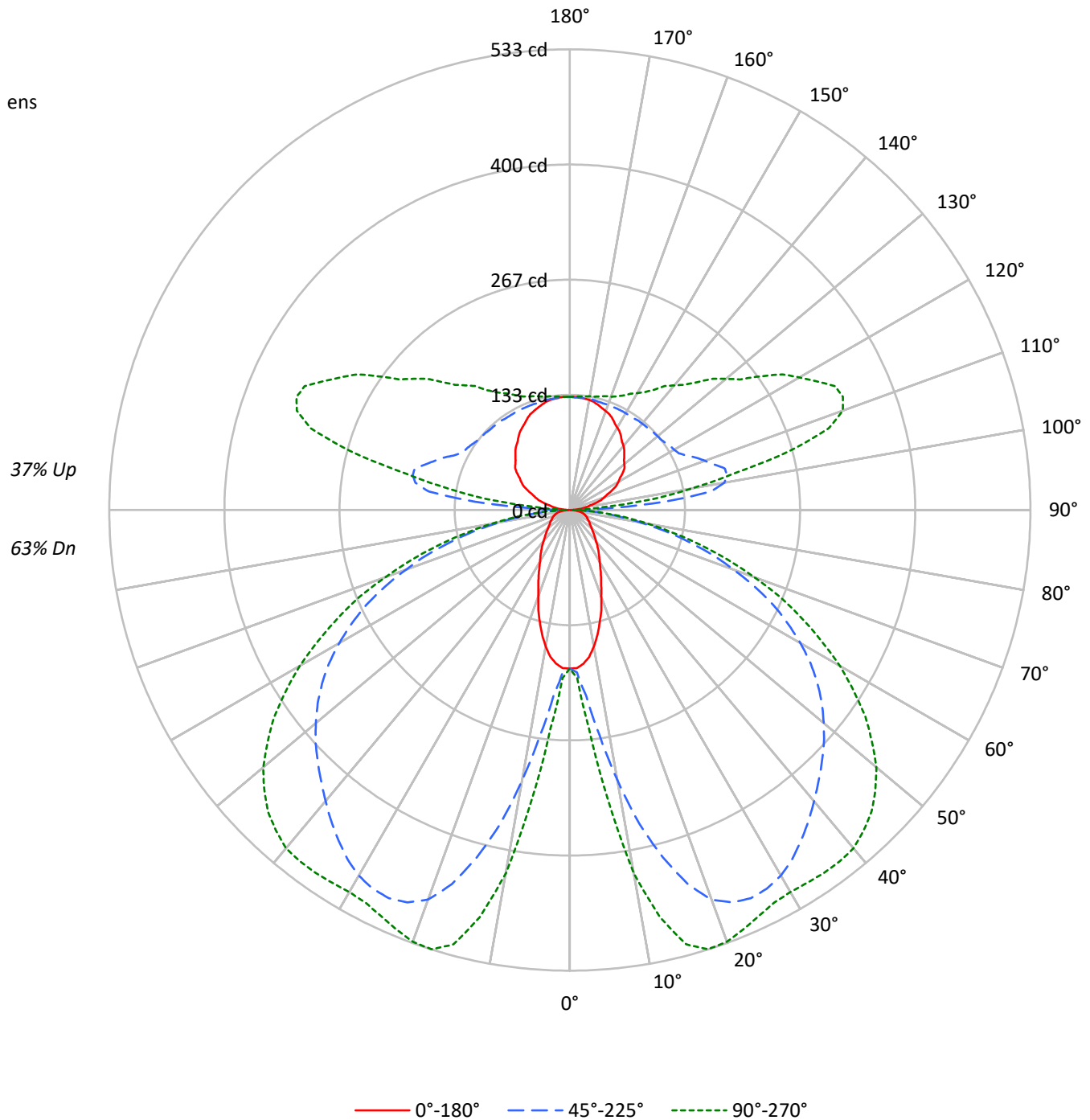
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2267.7 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 22
Input Voltage (V): NR
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: 24 FT

TEST NUMBER: P936257
CATALOG NUMBER: SQ4-FB-025U-050D-93050-1D-UNV-STD-W-4-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P936257

CATALOG NUMBER: SQ4-FB-025U-050D-93050-1D-UNV-STD-W-4-3000K

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 | 110 | 110 | 110 | 110 | 103 | 103 | 103 | 103 | 90 | 90 | 90 | 78 | 78 | 78 | 68 | 68 | 68 | 63 |
| 1 | 100 | 95 | 91 | 87 | 93 | 89 | 86 | 82 | 78 | 75 | 73 | 68 | 66 | 64 | 59 | 57 | 56 | 51 |
| 2 | 90 | 82 | 76 | 70 | 84 | 77 | 71 | 66 | 68 | 63 | 59 | 59 | 55 | 52 | 51 | 48 | 46 | 42 |
| 3 | 82 | 72 | 64 | 57 | 76 | 67 | 60 | 55 | 59 | 53 | 49 | 51 | 47 | 43 | 44 | 41 | 38 | 34 |
| 4 | 75 | 63 | 54 | 48 | 69 | 59 | 52 | 46 | 52 | 46 | 41 | 45 | 40 | 37 | 39 | 35 | 32 | 29 |
| 5 | 68 | 56 | 47 | 41 | 64 | 52 | 45 | 39 | 46 | 40 | 35 | 40 | 35 | 31 | 35 | 31 | 28 | 24 |
| 6 | 63 | 50 | 41 | 35 | 58 | 47 | 39 | 33 | 41 | 35 | 30 | 36 | 31 | 27 | 31 | 27 | 24 | 21 |
| 7 | 58 | 45 | 36 | 30 | 54 | 42 | 34 | 29 | 37 | 31 | 26 | 33 | 27 | 23 | 28 | 24 | 21 | 18 |
| 8 | 53 | 40 | 32 | 26 | 50 | 38 | 31 | 25 | 34 | 27 | 23 | 30 | 24 | 21 | 26 | 22 | 18 | 16 |
| 9 | 50 | 37 | 29 | 23 | 46 | 35 | 27 | 22 | 31 | 25 | 20 | 27 | 22 | 18 | 24 | 19 | 16 | 14 |
| 10 | 46 | 34 | 26 | 21 | 43 | 32 | 25 | 20 | 28 | 22 | 18 | 25 | 20 | 16 | 22 | 18 | 15 | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° |
|-----|------|------|------|
| 0° | 1700 | 1700 | 1700 |
| 5° | 1660 | 1963 | 2286 |
| 10° | 1504 | 2861 | 3789 |
| 15° | 1277 | 3735 | 4576 |
| 20° | 1038 | 4324 | 4663 |
| 25° | 865 | 4522 | 4568 |
| 30° | 728 | 4547 | 4560 |
| 35° | 642 | 4468 | 4677 |
| 40° | 560 | 4367 | 4799 |
| 45° | 504 | 4291 | 4818 |
| 50° | 463 | 4222 | 4738 |
| 55° | 442 | 4123 | 4528 |
| 60° | 450 | 3937 | 4197 |
| 65° | 467 | 3655 | 3740 |
| 70° | 493 | 3181 | 3161 |
| 75° | 541 | 2586 | 2466 |
| 80° | 580 | 1788 | 1663 |
| 85° | 489 | 945 | 849 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 4818 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 23.7 | 1.0 |
| 10°-20° | 105.1 | 4.6 |
| 20°-30° | 183.8 | 8.1 |
| 30°-40° | 236.5 | 10.4 |
| 40°-50° | 264.2 | 11.7 |
| 50°-60° | 253.1 | 11.2 |
| 60°-70° | 200.5 | 8.8 |
| 70°-80° | 117.9 | 5.2 |
| 80°-90° | 33.3 | 1.5 |
| 90°-100° | 63.9 | 2.8 |
| 100°-110° | 168.0 | 7.4 |
| 110°-120° | 174.2 | 7.7 |
| 120°-130° | 139.7 | 6.2 |
| 130°-140° | 109.6 | 4.8 |
| 140°-150° | 84.1 | 3.7 |
| 150°-160° | 60.6 | 2.7 |
| 160°-170° | 37.1 | 1.6 |
| 170°-180° | 12.5 | 0.6 |
| 0°-30° | 312.5 | 13.8 |
| 0°-40° | 549.1 | 24.2 |
| 0°-60° | 1066.3 | 47.0 |
| 0°-90° | 1418.1 | 62.5 |
| 90°-120° | 406.0 | 17.9 |
| 90°-150° | 739.5 | 32.6 |
| 90°-180° | 850.0 | 37.5 |
| 0°-180° | 2267.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0° | 183 | 183 | 183 | 183 | 183 | |
| 5° | 179 | 192 | 216 | 244 | 253 | 16 |
| 15° | 134 | 247 | 416 | 504 | 520 | 37 |
| 25° | 86 | 280 | 496 | 517 | 518 | 39 |
| 35° | 58 | 268 | 467 | 493 | 513 | 36 |
| 45° | 39 | 213 | 412 | 472 | 494 | 31 |
| 55° | 28 | 136 | 350 | 407 | 418 | 26 |
| 65° | 22 | 72 | 260 | 292 | 296 | 22 |
| 75° | 16 | 44 | 142 | 157 | 157 | 17 |
| 85° | 6 | 14 | 35 | 39 | 39 | 6 |
| 90° | 1 | 2 | 7 | 3 | 3 | 1 |
| 95° | 8 | 33 | 110 | 57 | 39 | 9 |
| 105° | 30 | 46 | 186 | 282 | 263 | 32 |
| 115° | 54 | 65 | 149 | 297 | 339 | 53 |
| 125° | 75 | 84 | 135 | 229 | 270 | 66 |
| 135° | 89 | 98 | 131 | 184 | 209 | 69 |
| 145° | 103 | 110 | 129 | 158 | 170 | 65 |
| 155° | 117 | 120 | 129 | 142 | 146 | 54 |
| 165° | 126 | 128 | 129 | 134 | 136 | 36 |
| 175° | 131 | 131 | 130 | 132 | 132 | 12 |
| 180° | 131 | 131 | 131 | 131 | 131 | |



TEST NUMBER: P936257

CATALOG NUMBER: SQ4-FB-025U-050D-93050-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 183.2 | 183.2 | 183.2 | 183.2 | 183.2 | 183.2 | 183.2 | 183.2 | 183.2 | 183.2 | 183.2 |
| 2.5° | 183.2 | 183.2 | 184.4 | 185.0 | 186.2 | 186.8 | 188.0 | 189.1 | 192.7 | 193.2 | 194.5 |
| 5° | 178.6 | 180.9 | 188.6 | 191.5 | 199.7 | 211.0 | 215.6 | 223.4 | 239.2 | 243.9 | 246.9 |
| 7.5° | 171.4 | 176.8 | 195.6 | 200.3 | 221.0 | 250.4 | 262.8 | 279.3 | 304.6 | 317.0 | 327.0 |
| 10° | 160.3 | 171.4 | 205.1 | 216.2 | 249.8 | 294.6 | 317.6 | 340.6 | 378.9 | 395.9 | 402.4 |
| 12.5° | 147.9 | 166.2 | 215.1 | 230.4 | 278.7 | 344.1 | 371.8 | 397.2 | 440.7 | 463.7 | 467.3 |
| 15° | 133.8 | 158.5 | 224.5 | 246.9 | 309.3 | 385.3 | 416.0 | 447.2 | 487.9 | 504.3 | 508.4 |
| 17.5° | 121.4 | 152.6 | 233.4 | 256.9 | 332.9 | 422.5 | 453.7 | 479.6 | 512.6 | 523.8 | 526.7 |
| 20° | 106.1 | 143.2 | 239.2 | 269.9 | 357.6 | 449.6 | 479.6 | 499.7 | 522.1 | 529.1 | 530.3 |
| 22.5° | 94.9 | 133.2 | 242.8 | 274.6 | 374.2 | 466.0 | 491.4 | 507.3 | 522.6 | 525.0 | 525.6 |
| 25° | 85.5 | 122.0 | 242.1 | 279.9 | 388.3 | 476.0 | 495.5 | 507.3 | 516.2 | 517.3 | 517.3 |
| 27.5° | 76.6 | 109.6 | 239.8 | 281.1 | 398.9 | 478.4 | 493.8 | 502.0 | 506.2 | 508.4 | 508.4 |
| 30° | 68.9 | 97.8 | 233.9 | 278.7 | 403.6 | 476.0 | 488.4 | 492.6 | 496.7 | 500.3 | 502.0 |
| 32.5° | 63.1 | 86.6 | 225.1 | 273.9 | 404.2 | 470.2 | 479.0 | 481.4 | 487.3 | 495.5 | 498.4 |
| 35° | 57.7 | 75.4 | 215.1 | 267.5 | 400.7 | 460.8 | 466.6 | 469.0 | 480.8 | 493.2 | 497.3 |
| 37.5° | 52.4 | 67.2 | 202.1 | 256.3 | 395.3 | 449.6 | 453.7 | 457.9 | 476.0 | 490.8 | 495.5 |
| 40° | 47.2 | 60.1 | 186.8 | 243.9 | 387.2 | 436.0 | 439.6 | 446.0 | 470.2 | 487.3 | 492.0 |
| 42.5° | 43.0 | 54.2 | 170.3 | 231.0 | 376.5 | 420.7 | 426.0 | 435.5 | 463.1 | 481.4 | 486.7 |
| 45° | 39.4 | 48.3 | 152.6 | 213.3 | 362.9 | 404.8 | 412.5 | 425.4 | 454.9 | 472.5 | 477.3 |
| 47.5° | 35.9 | 44.2 | 134.4 | 195.1 | 348.2 | 388.9 | 398.9 | 413.6 | 443.7 | 460.8 | 464.9 |
| 50° | 33.0 | 40.1 | 116.1 | 175.6 | 332.3 | 371.8 | 383.6 | 398.9 | 429.6 | 445.5 | 450.7 |
| 52.5° | 30.7 | 36.5 | 99.0 | 156.2 | 314.1 | 354.1 | 367.7 | 383.6 | 412.5 | 427.7 | 431.3 |
| 55° | 28.3 | 33.6 | 84.2 | 135.5 | 295.2 | 335.2 | 350.0 | 365.3 | 393.6 | 406.6 | 408.9 |
| 57.5° | 27.1 | 31.3 | 71.8 | 116.1 | 275.2 | 314.1 | 330.5 | 344.6 | 371.2 | 381.2 | 383.6 |
| 60° | 25.3 | 29.4 | 62.4 | 99.6 | 253.4 | 294.1 | 308.2 | 322.3 | 344.6 | 352.9 | 354.7 |
| 62.5° | 23.5 | 28.3 | 55.4 | 83.7 | 231.0 | 270.4 | 284.6 | 297.6 | 316.4 | 322.3 | 324.6 |
| 65° | 22.4 | 27.1 | 50.1 | 71.8 | 208.0 | 245.7 | 259.8 | 271.0 | 286.3 | 292.2 | 293.4 |
| 67.5° | 21.3 | 25.9 | 45.9 | 61.8 | 185.0 | 221.0 | 231.5 | 242.1 | 253.9 | 259.8 | 260.4 |
| 70° | 19.4 | 24.8 | 42.4 | 54.8 | 161.4 | 192.7 | 201.5 | 212.7 | 222.1 | 225.1 | 226.9 |
| 72.5° | 18.3 | 23.0 | 40.1 | 49.5 | 137.3 | 165.6 | 173.8 | 180.3 | 188.6 | 191.5 | 191.5 |
| 75° | 16.5 | 20.6 | 37.7 | 44.2 | 112.5 | 135.5 | 142.5 | 149.0 | 155.5 | 156.7 | 154.9 |
| 77.5° | 14.8 | 18.3 | 32.4 | 37.2 | 87.8 | 107.2 | 113.1 | 116.6 | 122.0 | 123.1 | 123.8 |
| 80° | 12.4 | 15.9 | 25.3 | 28.9 | 63.7 | 79.0 | 83.1 | 86.0 | 90.7 | 90.7 | 92.0 |
| 82.5° | 9.4 | 12.4 | 18.3 | 20.6 | 43.0 | 54.2 | 57.7 | 59.5 | 62.4 | 62.4 | 62.4 |
| 85° | 5.9 | 7.6 | 11.8 | 13.5 | 25.9 | 33.0 | 35.4 | 35.9 | 38.3 | 38.9 | 38.9 |
| 87.5° | 3.0 | 4.1 | 7.6 | 8.3 | 13.5 | 17.1 | 17.1 | 18.3 | 18.3 | 17.7 | 17.1 |
| 90° | 0.9 | 1.6 | 2.3 | 2.5 | 3.9 | 5.7 | 6.7 | 6.0 | 4.5 | 3.3 | 3.3 |
| 92.5° | 3.5 | 9.5 | 15.5 | 17.0 | 23.9 | 33.1 | 37.7 | 33.0 | 23.7 | 16.7 | 16.0 |
| 95° | 8.4 | 19.4 | 30.4 | 33.1 | 58.8 | 92.9 | 110.1 | 98.2 | 74.5 | 56.7 | 54.7 |
| 97.5° | 14.6 | 24.2 | 33.9 | 36.4 | 79.1 | 136.1 | 164.7 | 157.2 | 142.2 | 131.0 | 127.1 |
| 100° | 19.3 | 28.1 | 36.9 | 39.1 | 86.5 | 149.8 | 181.5 | 182.0 | 183.1 | 183.9 | 179.3 |
| 102.5° | 23.4 | 31.5 | 39.8 | 41.8 | 89.9 | 154.1 | 186.2 | 195.8 | 214.8 | 229.1 | 225.2 |
| 105° | 30.3 | 37.2 | 44.1 | 45.8 | 92.5 | 154.6 | 185.7 | 207.1 | 249.9 | 281.9 | 279.8 |
| 107.5° | 37.3 | 43.7 | 50.2 | 51.8 | 92.9 | 147.7 | 175.1 | 205.0 | 264.6 | 309.4 | 310.0 |
| 110° | 42.1 | 47.9 | 53.7 | 55.2 | 92.2 | 141.7 | 166.4 | 199.7 | 266.4 | 316.5 | 318.6 |



TEST NUMBER: P936257

CATALOG NUMBER: SQ4-FB-025U-050D-93050-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 22.5° | 30° | 40° | 45° | 50° | 60° | 67.5° | 70° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 46.7 | 52.3 | 57.8 | 59.2 | 92.2 | 136.3 | 158.4 | 192.5 | 260.8 | 312.0 | 315.3 |
| 115° | 53.8 | 58.8 | 63.9 | 65.3 | 93.1 | 130.3 | 148.8 | 181.6 | 247.4 | 296.7 | 301.3 |
| 117.5° | 60.7 | 65.3 | 70.0 | 71.1 | 94.9 | 126.4 | 142.2 | 171.9 | 231.2 | 275.7 | 280.9 |
| 120° | 64.7 | 69.1 | 73.5 | 74.6 | 96.2 | 125.1 | 139.5 | 166.6 | 220.9 | 261.6 | 266.6 |
| 122.5° | 68.7 | 73.1 | 77.5 | 78.6 | 98.2 | 124.4 | 137.5 | 161.9 | 210.7 | 247.3 | 252.2 |
| 125° | 74.7 | 78.8 | 82.8 | 83.9 | 101.0 | 123.8 | 135.3 | 156.0 | 197.5 | 228.6 | 233.2 |
| 127.5° | 79.7 | 83.8 | 87.8 | 88.9 | 103.7 | 123.5 | 133.4 | 151.2 | 186.9 | 213.6 | 217.5 |
| 130° | 82.3 | 86.7 | 91.1 | 92.2 | 105.7 | 123.8 | 132.7 | 148.6 | 180.3 | 204.1 | 207.6 |
| 132.5° | 85.1 | 89.5 | 93.9 | 94.9 | 107.3 | 123.8 | 132.1 | 146.3 | 174.7 | 196.0 | 199.2 |
| 135° | 89.1 | 93.1 | 97.1 | 98.1 | 109.1 | 123.8 | 131.0 | 142.9 | 166.7 | 184.5 | 187.3 |
| 137.5° | 93.3 | 97.2 | 101.2 | 102.1 | 111.7 | 124.5 | 130.9 | 140.9 | 161.0 | 176.1 | 178.4 |
| 140° | 96.7 | 100.3 | 104.0 | 104.9 | 113.3 | 124.6 | 130.3 | 138.9 | 156.3 | 169.3 | 171.4 |
| 142.5° | 99.3 | 102.7 | 106.0 | 106.9 | 114.7 | 125.1 | 130.3 | 137.9 | 153.2 | 164.6 | 166.4 |
| 145° | 103.4 | 106.3 | 109.3 | 110.0 | 116.5 | 125.1 | 129.4 | 135.6 | 148.1 | 157.5 | 158.9 |
| 147.5° | 107.4 | 110.2 | 113.1 | 113.8 | 119.0 | 125.9 | 129.4 | 134.3 | 144.1 | 151.5 | 152.6 |
| 150° | 110.1 | 112.6 | 115.2 | 115.8 | 120.3 | 126.4 | 129.4 | 133.5 | 141.8 | 148.1 | 149.0 |
| 152.5° | 112.8 | 114.7 | 116.6 | 117.2 | 121.2 | 126.7 | 129.4 | 132.9 | 140.0 | 145.4 | 146.1 |
| 155° | 116.8 | 118.2 | 119.7 | 120.1 | 123.1 | 127.3 | 129.4 | 132.2 | 137.9 | 142.1 | 142.5 |
| 157.5° | 119.8 | 121.2 | 122.6 | 123.0 | 125.1 | 128.0 | 129.4 | 131.6 | 136.0 | 139.2 | 139.6 |
| 160° | 121.8 | 122.9 | 124.0 | 124.3 | 125.9 | 128.2 | 129.4 | 131.2 | 135.0 | 137.8 | 138.0 |
| 162.5° | 123.8 | 124.6 | 125.5 | 125.7 | 126.9 | 128.6 | 129.4 | 131.0 | 134.1 | 136.5 | 136.7 |
| 165° | 126.0 | 126.7 | 127.5 | 127.7 | 128.2 | 129.0 | 129.4 | 130.5 | 132.8 | 134.5 | 134.6 |
| 167.5° | 128.1 | 128.4 | 128.8 | 128.8 | 129.3 | 129.9 | 130.3 | 131.0 | 132.4 | 133.6 | 133.7 |
| 170° | 129.4 | 129.7 | 130.1 | 130.2 | 130.2 | 130.3 | 130.3 | 131.0 | 132.4 | 133.6 | 133.6 |
| 172.5° | 130.1 | 130.2 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.9 | 132.0 | 132.9 | 132.8 |
| 175° | 131.0 | 131.0 | 131.0 | 131.0 | 130.8 | 130.4 | 130.3 | 130.6 | 131.4 | 131.9 | 131.9 |
| 177.5° | 131.0 | 131.0 | 131.0 | 131.0 | 130.9 | 130.6 | 130.4 | 130.7 | 131.3 | 131.7 | 131.7 |
| 180° | 131.0 | 131.0 | 131.0 | 131.0 | 131.0 | 131.0 | 131.0 | 131.0 | 131.0 | 131.0 | 131.0 |



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CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|-------|-------|
| 0° | 183.2 | 183.2 |
| 2.5° | 195.6 | 194.5 |
| 5° | 251.6 | 252.8 |
| 7.5° | 338.8 | 338.2 |
| 10° | 421.3 | 426.6 |
| 12.5° | 481.4 | 482.5 |
| 15° | 517.9 | 520.3 |
| 17.5° | 532.1 | 532.7 |
| 20° | 532.7 | 531.5 |
| 22.5° | 526.2 | 525.0 |
| 25° | 518.5 | 517.9 |
| 27.5° | 511.4 | 512.0 |
| 30° | 508.4 | 510.3 |
| 32.5° | 508.4 | 511.4 |
| 35° | 509.7 | 512.6 |
| 37.5° | 509.1 | 512.6 |
| 40° | 506.7 | 510.8 |
| 42.5° | 500.3 | 503.2 |
| 45° | 490.2 | 493.8 |
| 47.5° | 477.3 | 479.6 |
| 50° | 460.8 | 463.1 |
| 52.5° | 440.1 | 440.7 |
| 55° | 415.4 | 417.7 |
| 57.5° | 388.9 | 389.4 |
| 60° | 359.4 | 361.2 |
| 62.5° | 328.2 | 328.2 |
| 65° | 295.2 | 296.3 |
| 67.5° | 261.0 | 263.9 |
| 70° | 226.3 | 226.9 |
| 72.5° | 192.1 | 192.1 |
| 75° | 156.7 | 157.3 |
| 77.5° | 123.1 | 123.1 |
| 80° | 91.3 | 92.0 |
| 82.5° | 63.1 | 64.2 |
| 85° | 39.4 | 39.4 |
| 87.5° | 18.3 | 16.5 |
| 90° | 3.3 | 3.3 |
| 92.5° | 13.4 | 10.7 |
| 95° | 46.7 | 38.6 |
| 97.5° | 111.8 | 96.5 |
| 100° | 161.2 | 142.9 |
| 102.5° | 209.6 | 193.9 |
| 105° | 271.5 | 263.1 |
| 107.5° | 312.0 | 314.0 |
| 110° | 327.3 | 336.1 |



TEST NUMBER: P936257

CATALOG NUMBER: SQ4-FB-025U-050D-93050-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

| | 80° | 90° |
|--------|-------|-------|
| 112.5° | 328.7 | 342.2 |
| 115° | 320.1 | 338.7 |
| 117.5° | 301.5 | 322.2 |
| 120° | 286.7 | 306.7 |
| 122.5° | 272.1 | 291.9 |
| 125° | 251.5 | 269.7 |
| 127.5° | 232.8 | 248.2 |
| 130° | 221.9 | 236.1 |
| 132.5° | 211.9 | 224.7 |
| 135° | 198.3 | 209.3 |
| 137.5° | 187.3 | 196.4 |
| 140° | 179.8 | 188.2 |
| 142.5° | 173.6 | 180.8 |
| 145° | 164.3 | 169.8 |
| 147.5° | 157.1 | 161.7 |
| 150° | 152.6 | 156.3 |
| 152.5° | 148.8 | 151.6 |
| 155° | 144.4 | 146.2 |
| 157.5° | 140.9 | 142.2 |
| 160° | 138.8 | 139.5 |
| 162.5° | 137.4 | 138.1 |
| 165° | 135.4 | 136.1 |
| 167.5° | 133.9 | 134.3 |
| 170° | 133.6 | 133.6 |
| 172.5° | 132.5 | 132.3 |
| 175° | 131.9 | 131.9 |
| 177.5° | 131.4 | 131.0 |
| 180° | 131.0 | 131.0 |



TEST NUMBER: P936257

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CIE UGR TABLE:

| Reflectances: | | | | | | | | | | | |
|-----------------|------|------------------|-------|-------|-------|-------|----------------|-------|-------|-------|-------|
| Ceiling | | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Wall | | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| Reference plane | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | | Viewed crosswise | | | | | Viewed endwise | | | | |
| X=2H | Y=2H | 3.90 | 4.93 | 4.73 | 5.79 | 6.87 | 17.04 | 18.08 | 17.87 | 18.94 | 20.02 |
| | 3H | 4.62 | 5.55 | 5.46 | 6.42 | 7.52 | 18.88 | 19.81 | 19.72 | 20.68 | 21.79 |
| | 4H | 4.92 | 5.81 | 5.78 | 6.69 | 7.80 | 19.52 | 20.40 | 20.38 | 21.28 | 22.40 |
| | 6H | 5.18 | 6.00 | 6.06 | 6.89 | 8.01 | 19.95 | 20.77 | 20.82 | 21.65 | 22.78 |
| | 8H | 5.26 | 6.04 | 6.14 | 6.94 | 8.07 | 20.07 | 20.85 | 20.95 | 21.75 | 22.88 |
| | 12H | 5.28 | 6.03 | 6.17 | 6.92 | 8.08 | 20.13 | 20.88 | 21.02 | 21.78 | 22.93 |
| 4H | 2H | 11.11 | 12.00 | 11.98 | 12.87 | 13.99 | 17.34 | 18.22 | 18.20 | 19.10 | 20.21 |
| | 3H | 12.70 | 13.44 | 13.58 | 14.35 | 15.48 | 19.38 | 20.13 | 20.26 | 21.04 | 22.17 |
| | 4H | 12.80 | 13.48 | 13.69 | 14.38 | 15.54 | 20.15 | 20.83 | 21.04 | 21.73 | 22.89 |
| | 6H | 12.82 | 13.41 | 13.73 | 14.34 | 15.50 | 20.69 | 21.27 | 21.59 | 22.20 | 23.36 |
| | 8H | 12.80 | 13.35 | 13.71 | 14.28 | 15.45 | 20.85 | 21.39 | 21.75 | 22.32 | 23.49 |
| | 12H | 12.77 | 13.27 | 13.70 | 14.21 | 15.39 | 20.94 | 21.44 | 21.87 | 22.38 | 23.56 |
| 8H | 4H | 14.25 | 14.80 | 15.16 | 15.72 | 16.90 | 20.22 | 20.77 | 21.13 | 21.70 | 22.87 |
| | 6H | 14.50 | 14.96 | 15.44 | 15.92 | 17.09 | 20.85 | 21.31 | 21.79 | 22.27 | 23.44 |
| | 8H | 14.52 | 14.93 | 15.47 | 15.88 | 17.07 | 21.06 | 21.47 | 22.01 | 22.43 | 23.61 |
| | 12H | 14.50 | 14.86 | 15.45 | 15.81 | 17.04 | 21.21 | 21.56 | 22.16 | 22.52 | 23.75 |
| 12H | 4H | 14.40 | 14.90 | 15.33 | 15.84 | 17.02 | 20.19 | 20.68 | 21.12 | 21.63 | 22.80 |
| | 6H | 14.76 | 15.16 | 15.70 | 16.12 | 17.31 | 20.84 | 21.24 | 21.78 | 22.20 | 23.38 |
| | 8H | 14.84 | 15.19 | 15.79 | 16.14 | 17.38 | 21.07 | 21.42 | 22.02 | 22.37 | 23.61 |