

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: P937032

Luminaire Tested: SQ4-FB-075U-050D-92765-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P937032  
REPORT IS A COMBINATION OF REPORTS P933501 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-075U-050D-92765-1D-UNV-STD-W-4-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

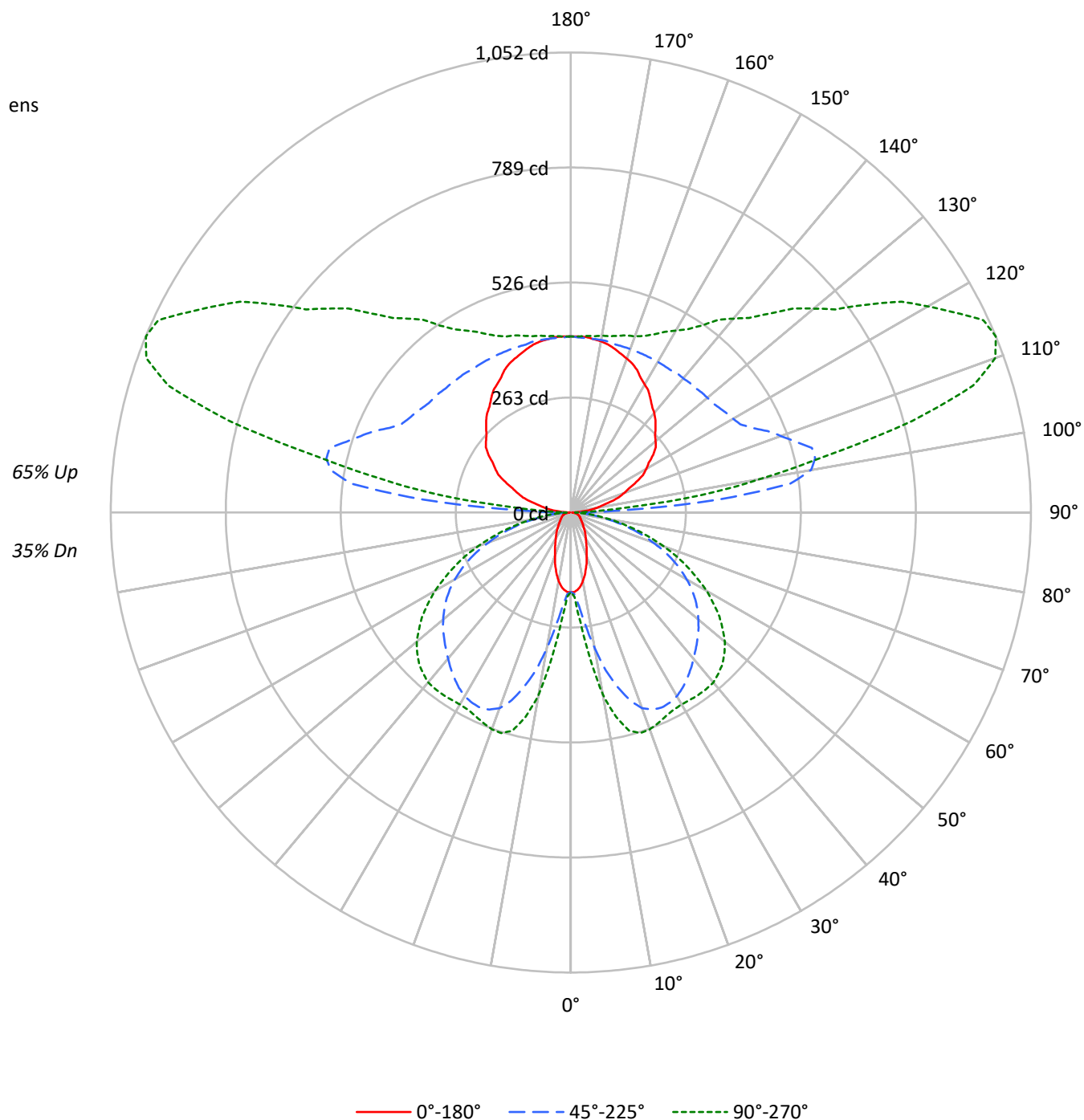
Lumens per Lamp: N/A  
Luminaire Lumens: 4020.1 lumens  
Efficiency: N/A  
Efficacy: 116.9 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')  
CIE Type: Semi-Indirect

Input Watts (W): 34.4  
Input Voltage (V): NR  
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: 24 FT

TEST NUMBER: P937032

CATALOG NUMBER: SQ4-FB-075U-050D-92765-1D-UNV-STD-W-4-3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P937032

CATALOG NUMBER: SQ4-FB-075U-050D-92765-1D-UNV-STD-W-4-3000K

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 104 | 104 | 104 | 104 | 94 | 94 | 94 | 94 | 75 | 75 | 75 | 58 | 58 | 58 | 42 | 42 | 42 | 35 |    |    |
| 1   | 94  | 90  | 86  | 82  | 85 | 81 | 78 | 75 | 65 | 63 | 61 | 50 | 49 | 47 | 37 | 36 | 35 | 29 |    |    |
| 2   | 85  | 78  | 72  | 66  | 77 | 70 | 65 | 61 | 57 | 53 | 50 | 44 | 41 | 39 | 32 | 30 | 29 | 23 |    |    |
| 3   | 77  | 68  | 61  | 55  | 70 | 62 | 55 | 50 | 49 | 45 | 41 | 38 | 35 | 32 | 28 | 26 | 24 | 19 |    |    |
| 4   | 71  | 60  | 52  | 46  | 63 | 54 | 47 | 42 | 44 | 39 | 35 | 34 | 30 | 27 | 25 | 22 | 20 | 16 |    |    |
| 5   | 65  | 53  | 45  | 39  | 58 | 48 | 41 | 36 | 39 | 33 | 29 | 30 | 26 | 23 | 22 | 19 | 17 | 14 |    |    |
| 6   | 59  | 47  | 39  | 33  | 53 | 43 | 36 | 31 | 35 | 29 | 25 | 27 | 23 | 20 | 20 | 17 | 15 | 12 |    |    |
| 7   | 55  | 42  | 34  | 29  | 49 | 38 | 31 | 26 | 31 | 26 | 22 | 24 | 20 | 17 | 18 | 15 | 13 | 10 |    |    |
| 8   | 50  | 38  | 30  | 25  | 45 | 35 | 28 | 23 | 28 | 23 | 19 | 22 | 18 | 15 | 16 | 14 | 12 | 9  |    |    |
| 9   | 47  | 35  | 27  | 22  | 42 | 32 | 25 | 20 | 26 | 21 | 17 | 20 | 16 | 14 | 15 | 12 | 10 | 8  |    |    |
| 10  | 44  | 32  | 24  | 20  | 39 | 29 | 22 | 18 | 23 | 18 | 15 | 18 | 15 | 12 | 14 | 11 | 9  | 7  |    |    |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 1688 | 1688 | 1688 |
| 5°  | 1648 | 1950 | 2270 |
| 10° | 1493 | 2840 | 3762 |
| 15° | 1267 | 3708 | 4543 |
| 20° | 1030 | 4294 | 4630 |
| 25° | 858  | 4490 | 4535 |
| 30° | 724  | 4514 | 4528 |
| 35° | 638  | 4436 | 4644 |
| 40° | 555  | 4336 | 4765 |
| 45° | 502  | 4260 | 4784 |
| 50° | 460  | 4191 | 4704 |
| 55° | 439  | 4093 | 4495 |
| 60° | 446  | 3909 | 4167 |
| 65° | 463  | 3628 | 3714 |
| 70° | 490  | 3158 | 3137 |
| 75° | 538  | 2567 | 2449 |
| 80° | 576  | 1775 | 1651 |
| 85° | 480  | 937  | 845  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4784 cd/sqm

TEST NUMBER: P937032

CATALOG NUMBER: SQ4-FB-075U-050D-92765-1D-UNV-STD-W-4-3000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 23.5   | 0.6       |
| 10°-20°   | 104.3  | 2.6       |
| 20°-30°   | 182.4  | 4.5       |
| 30°-40°   | 234.9  | 5.8       |
| 40°-50°   | 262.3  | 6.5       |
| 50°-60°   | 251.3  | 6.2       |
| 60°-70°   | 199.1  | 5.0       |
| 70°-80°   | 117.1  | 2.9       |
| 80°-90°   | 34.1   | 0.8       |
| 90°-100°  | 196.3  | 4.9       |
| 100°-110° | 516.2  | 12.8      |
| 110°-120° | 535.2  | 13.3      |
| 120°-130° | 429.3  | 10.7      |
| 130°-140° | 336.9  | 8.4       |
| 140°-150° | 258.5  | 6.4       |
| 150°-160° | 186.2  | 4.6       |
| 160°-170° | 113.9  | 2.8       |
| 170°-180° | 38.5   | 1.0       |
| 0°-30°    | 310.3  | 7.7       |
| 0°-40°    | 545.1  | 13.6      |
| 0°-60°    | 1058.7 | 26.3      |
| 0°-90°    | 1409.0 | 35.0      |
| 90°-120°  | 1247.7 | 31.0      |
| 90°-150°  | 2272.5 | 56.5      |
| 90°-180°  | 2611.0 | 64.9      |
| 0°-180°   | 4020.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90°  | Flux |
|------|-----|-------|-----|-------|------|------|
| 0°   | 182 | 182   | 182 | 182   | 182  |      |
| 5°   | 177 | 190   | 214 | 242   | 251  | 16   |
| 15°  | 133 | 245   | 413 | 501   | 517  | 37   |
| 25°  | 85  | 278   | 492 | 514   | 514  | 39   |
| 35°  | 57  | 266   | 463 | 490   | 509  | 36   |
| 45°  | 39  | 212   | 410 | 469   | 490  | 30   |
| 55°  | 28  | 135   | 348 | 404   | 415  | 26   |
| 65°  | 22  | 71    | 258 | 290   | 294  | 22   |
| 75°  | 16  | 44    | 142 | 156   | 156  | 17   |
| 85°  | 6   | 13    | 35  | 39    | 39   | 6    |
| 90°  | 3   | 8     | 21  | 10    | 10   | 3    |
| 95°  | 26  | 102   | 338 | 174   | 119  | 29   |
| 105° | 93  | 141   | 571 | 866   | 808  | 99   |
| 115° | 165 | 201   | 457 | 912   | 1041 | 163  |
| 125° | 230 | 258   | 416 | 703   | 829  | 204  |
| 135° | 274 | 301   | 403 | 567   | 643  | 212  |
| 145° | 318 | 338   | 398 | 484   | 522  | 199  |
| 155° | 359 | 369   | 398 | 436   | 449  | 165  |
| 165° | 387 | 392   | 398 | 413   | 418  | 109  |
| 175° | 403 | 403   | 400 | 406   | 406  | 38   |
| 180° | 403 | 403   | 403 | 403   | 403  |      |

TEST NUMBER: P937032

CATALOG NUMBER: SQ4-FB-075U-050D-92765-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°   | 67.5° | 70°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 181.9 | 181.9 | 181.9 | 181.9 | 181.9 | 181.9 | 181.9 | 181.9 | 181.9 | 181.9 | 181.9 |
| 2.5°   | 181.9 | 181.9 | 183.1 | 183.7 | 184.9 | 185.5 | 186.6 | 187.7 | 191.3 | 191.8 | 193.1 |
| 5°     | 177.3 | 179.6 | 187.2 | 190.1 | 198.3 | 209.5 | 214.1 | 221.8 | 237.5 | 242.2 | 245.1 |
| 7.5°   | 170.2 | 175.5 | 194.2 | 198.9 | 219.4 | 248.6 | 260.9 | 277.3 | 302.4 | 314.7 | 324.7 |
| 10°    | 159.1 | 170.2 | 203.6 | 214.7 | 248.0 | 292.5 | 315.3 | 338.2 | 376.2 | 393.1 | 399.6 |
| 12.5°  | 146.9 | 165.0 | 213.6 | 228.7 | 276.7 | 341.7 | 369.1 | 394.3 | 437.6 | 460.4 | 463.9 |
| 15°    | 132.8 | 157.4 | 222.9 | 245.1 | 307.1 | 382.6 | 413.0 | 444.0 | 484.4 | 500.7 | 504.8 |
| 17.5°  | 120.5 | 151.6 | 231.7 | 255.1 | 330.5 | 419.4 | 450.5 | 476.2 | 508.9 | 520.1 | 523.0 |
| 20°    | 105.3 | 142.1 | 237.5 | 268.0 | 355.1 | 446.4 | 476.2 | 496.1 | 518.3 | 525.3 | 526.5 |
| 22.5°  | 94.2  | 132.2 | 241.0 | 272.6 | 371.5 | 462.7 | 487.9 | 503.7 | 518.9 | 521.2 | 521.8 |
| 25°    | 84.8  | 121.1 | 240.4 | 277.9 | 385.5 | 472.6 | 492.0 | 503.7 | 512.5 | 513.6 | 513.6 |
| 27.5°  | 76.0  | 108.8 | 238.1 | 279.1 | 396.1 | 475.0 | 490.3 | 498.5 | 502.6 | 504.8 | 504.8 |
| 30°    | 68.5  | 97.1  | 232.2 | 276.7 | 400.7 | 472.6 | 484.9 | 489.0 | 493.1 | 496.7 | 498.5 |
| 32.5°  | 62.6  | 86.0  | 223.5 | 272.0 | 401.3 | 466.8 | 475.6 | 478.0 | 483.8 | 492.0 | 494.9 |
| 35°    | 57.3  | 74.9  | 213.6 | 265.6 | 397.8 | 457.5 | 463.3 | 465.7 | 477.4 | 489.6 | 493.7 |
| 37.5°  | 52.1  | 66.7  | 200.7 | 254.5 | 392.5 | 446.4 | 450.5 | 454.6 | 472.6 | 487.3 | 492.0 |
| 40°    | 46.8  | 59.6  | 185.5 | 242.2 | 384.4 | 432.9 | 436.5 | 442.8 | 466.8 | 483.8 | 488.5 |
| 42.5°  | 42.7  | 53.8  | 169.1 | 229.3 | 373.8 | 417.7 | 422.9 | 432.4 | 459.8 | 478.0 | 483.2 |
| 45°    | 39.2  | 48.0  | 151.6 | 211.7 | 360.3 | 401.9 | 409.5 | 422.4 | 451.6 | 469.2 | 473.9 |
| 47.5°  | 35.7  | 43.9  | 133.4 | 193.7 | 345.8 | 386.1 | 396.1 | 410.6 | 440.6 | 457.5 | 461.6 |
| 50°    | 32.8  | 39.8  | 115.3 | 174.3 | 330.0 | 369.1 | 380.8 | 396.1 | 426.5 | 442.3 | 447.5 |
| 52.5°  | 30.4  | 36.3  | 98.3  | 155.0 | 311.8 | 351.6 | 365.0 | 380.8 | 409.5 | 424.7 | 428.3 |
| 55°    | 28.1  | 33.3  | 83.6  | 134.6 | 293.1 | 332.9 | 347.5 | 362.7 | 390.8 | 403.7 | 406.0 |
| 57.5°  | 26.9  | 31.0  | 71.3  | 115.3 | 273.2 | 311.8 | 328.1 | 342.2 | 368.5 | 378.5 | 380.8 |
| 60°    | 25.1  | 29.2  | 62.0  | 98.9  | 251.6 | 292.0 | 306.0 | 320.0 | 342.2 | 350.4 | 352.2 |
| 62.5°  | 23.4  | 28.1  | 55.0  | 83.1  | 229.3 | 268.5 | 282.5 | 295.4 | 314.1 | 320.0 | 322.3 |
| 65°    | 22.2  | 26.9  | 49.7  | 71.3  | 206.5 | 243.9 | 257.9 | 269.1 | 284.3 | 290.1 | 291.3 |
| 67.5°  | 21.1  | 25.7  | 45.6  | 61.4  | 183.7 | 219.4 | 229.9 | 240.4 | 252.1 | 257.9 | 258.6 |
| 70°    | 19.3  | 24.6  | 42.1  | 54.4  | 160.3 | 191.3 | 200.0 | 211.2 | 220.5 | 223.5 | 225.2 |
| 72.5°  | 18.1  | 22.8  | 39.8  | 49.2  | 136.3 | 164.4 | 172.6 | 179.0 | 187.2 | 190.1 | 190.1 |
| 75°    | 16.4  | 20.5  | 37.4  | 43.9  | 111.7 | 134.6 | 141.5 | 148.0 | 154.4 | 155.6 | 153.8 |
| 77.5°  | 14.7  | 18.1  | 32.2  | 36.9  | 87.2  | 106.5 | 112.3 | 115.8 | 121.1 | 122.3 | 122.9 |
| 80°    | 12.3  | 15.8  | 25.1  | 28.7  | 63.2  | 78.4  | 82.5  | 85.4  | 90.1  | 90.1  | 91.3  |
| 82.5°  | 9.3   | 12.3  | 18.1  | 20.5  | 42.7  | 53.8  | 57.3  | 59.1  | 62.0  | 62.0  | 62.0  |
| 85°    | 5.8   | 7.6   | 11.7  | 13.4  | 25.7  | 32.8  | 35.1  | 35.7  | 38.0  | 38.6  | 38.6  |
| 87.5°  | 3.0   | 4.1   | 7.6   | 8.2   | 13.4  | 17.0  | 17.0  | 18.1  | 18.1  | 17.5  | 17.0  |
| 90°    | 2.7   | 4.9   | 7.1   | 7.6   | 11.9  | 17.7  | 20.6  | 18.3  | 13.7  | 10.3  | 10.3  |
| 92.5°  | 10.8  | 29.2  | 47.5  | 52.1  | 73.3  | 101.6 | 115.7 | 101.4 | 72.8  | 51.4  | 49.4  |
| 95°    | 26.0  | 59.6  | 93.3  | 101.7 | 180.5 | 285.6 | 338.2 | 301.7 | 228.9 | 174.3 | 168.1 |
| 97.5°  | 44.9  | 74.6  | 104.2 | 111.6 | 243.1 | 418.4 | 506.0 | 483.0 | 437.1 | 402.5 | 390.8 |
| 100°   | 59.5  | 86.3  | 113.3 | 120.0 | 265.9 | 460.4 | 557.7 | 559.3 | 562.7 | 565.3 | 551.2 |
| 102.5° | 71.9  | 97.1  | 122.1 | 128.4 | 276.3 | 473.7 | 572.3 | 601.6 | 660.2 | 704.2 | 692.1 |
| 105°   | 93.0  | 114.2 | 135.5 | 140.8 | 284.1 | 475.2 | 570.7 | 636.4 | 767.8 | 866.4 | 859.9 |
| 107.5° | 114.6 | 134.5 | 154.3 | 159.2 | 285.6 | 454.0 | 538.2 | 629.9 | 813.2 | 950.7 | 952.3 |
| 110°   | 129.2 | 147.1 | 165.1 | 169.5 | 283.4 | 435.2 | 511.2 | 613.7 | 818.6 | 972.3 | 979.0 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°   | 67.5° | 70°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 143.5 | 160.6 | 177.6 | 181.9 | 283.5 | 418.9 | 486.6 | 591.5 | 801.2 | 958.5 | 968.9 |
| 115°   | 165.2 | 180.9 | 196.6 | 200.6 | 286.1 | 400.1 | 457.1 | 558.2 | 760.2 | 911.8 | 926.1 |
| 117.5° | 186.5 | 200.8 | 215.1 | 218.7 | 291.4 | 388.3 | 436.8 | 528.0 | 710.4 | 847.2 | 863.1 |
| 120°   | 199.0 | 212.4 | 225.9 | 229.3 | 295.7 | 384.4 | 428.7 | 512.1 | 678.7 | 803.7 | 819.1 |
| 122.5° | 211.1 | 224.7 | 238.2 | 241.6 | 301.9 | 382.3 | 422.5 | 497.5 | 647.6 | 760.2 | 775.4 |
| 125°   | 229.8 | 242.2 | 254.5 | 257.6 | 310.4 | 380.6 | 415.8 | 479.5 | 607.0 | 702.6 | 716.6 |
| 127.5° | 245.0 | 257.4 | 269.9 | 273.0 | 318.7 | 379.7 | 410.1 | 464.9 | 574.3 | 656.4 | 668.2 |
| 130°   | 253.1 | 266.5 | 279.9 | 283.3 | 324.8 | 380.2 | 407.9 | 456.7 | 554.1 | 627.2 | 638.1 |
| 132.5° | 261.4 | 274.9 | 288.3 | 291.7 | 329.8 | 380.6 | 406.0 | 449.6 | 536.9 | 602.3 | 612.1 |
| 135°   | 273.8 | 286.0 | 298.3 | 301.4 | 335.2 | 380.3 | 402.8 | 439.3 | 512.4 | 567.2 | 575.6 |
| 137.5° | 286.6 | 298.7 | 310.8 | 313.8 | 343.3 | 382.6 | 402.3 | 433.1 | 494.9 | 541.2 | 548.1 |
| 140°   | 297.1 | 308.3 | 319.4 | 322.2 | 348.3 | 383.0 | 400.4 | 427.0 | 480.3 | 520.3 | 526.8 |
| 142.5° | 305.2 | 315.5 | 325.8 | 328.4 | 352.4 | 384.4 | 400.4 | 423.8 | 470.6 | 505.8 | 511.4 |
| 145°   | 317.6 | 326.7 | 335.6 | 337.9 | 357.8 | 384.4 | 397.6 | 416.8 | 455.1 | 483.9 | 488.1 |
| 147.5° | 330.1 | 338.8 | 347.6 | 349.8 | 365.7 | 387.0 | 397.6 | 412.7 | 442.9 | 465.5 | 469.0 |
| 150°   | 338.2 | 346.1 | 354.0 | 356.1 | 369.9 | 388.4 | 397.6 | 410.4 | 435.8 | 454.9 | 457.7 |
| 152.5° | 346.5 | 352.6 | 358.6 | 360.1 | 372.6 | 389.3 | 397.6 | 408.5 | 430.3 | 446.6 | 448.7 |
| 155°   | 359.0 | 363.5 | 367.8 | 369.0 | 378.5 | 391.3 | 397.6 | 406.3 | 423.5 | 436.5 | 437.9 |
| 157.5° | 368.2 | 372.5 | 376.9 | 377.9 | 384.5 | 393.3 | 397.6 | 404.4 | 417.8 | 427.9 | 428.9 |
| 160°   | 374.4 | 377.8 | 381.1 | 382.0 | 387.2 | 394.2 | 397.6 | 403.4 | 415.0 | 423.6 | 424.2 |
| 162.5° | 380.6 | 383.2 | 385.7 | 386.3 | 390.1 | 395.1 | 397.6 | 402.5 | 412.2 | 419.5 | 420.1 |
| 165°   | 387.4 | 389.6 | 391.9 | 392.5 | 394.2 | 396.5 | 397.6 | 401.1 | 408.1 | 413.3 | 414.0 |
| 167.5° | 393.5 | 394.6 | 395.7 | 396.0 | 397.5 | 399.4 | 400.4 | 402.6 | 407.2 | 410.6 | 410.9 |
| 170°   | 397.6 | 398.7 | 399.8 | 400.1 | 400.2 | 400.3 | 400.4 | 402.6 | 407.2 | 410.6 | 410.6 |
| 172.5° | 399.8 | 400.1 | 400.3 | 400.4 | 400.4 | 400.4 | 400.4 | 402.2 | 405.8 | 408.5 | 408.3 |
| 175°   | 402.8 | 402.8 | 402.8 | 402.8 | 402.0 | 400.9 | 400.4 | 401.5 | 403.8 | 405.5 | 405.5 |
| 177.5° | 402.8 | 402.8 | 402.8 | 402.8 | 402.2 | 401.3 | 400.9 | 401.7 | 403.6 | 405.0 | 404.7 |
| 180°   | 402.8 | 402.8 | 402.8 | 402.8 | 402.8 | 402.8 | 402.8 | 402.8 | 402.8 | 402.8 | 402.8 |

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CATALOG NUMBER: SQ4-FB-075U-050D-92765-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 0°     | 181.9  | 181.9  |
| 2.5°   | 194.2  | 193.1  |
| 5°     | 249.8  | 251.0  |
| 7.5°   | 336.3  | 335.8  |
| 10°    | 418.3  | 423.5  |
| 12.5°  | 478.0  | 479.1  |
| 15°    | 514.2  | 516.6  |
| 17.5°  | 528.3  | 528.9  |
| 20°    | 528.9  | 527.7  |
| 22.5°  | 522.4  | 521.2  |
| 25°    | 514.8  | 514.2  |
| 27.5°  | 507.8  | 508.4  |
| 30°    | 504.8  | 506.7  |
| 32.5°  | 504.8  | 507.8  |
| 35°    | 506.0  | 508.9  |
| 37.5°  | 505.4  | 508.9  |
| 40°    | 503.1  | 507.2  |
| 42.5°  | 496.7  | 499.6  |
| 45°    | 486.7  | 490.3  |
| 47.5°  | 473.9  | 476.2  |
| 50°    | 457.5  | 459.8  |
| 52.5°  | 437.0  | 437.6  |
| 55°    | 412.5  | 414.7  |
| 57.5°  | 386.1  | 386.7  |
| 60°    | 356.8  | 358.6  |
| 62.5°  | 325.9  | 325.9  |
| 65°    | 293.1  | 294.2  |
| 67.5°  | 259.2  | 262.0  |
| 70°    | 224.6  | 225.2  |
| 72.5°  | 190.7  | 190.7  |
| 75°    | 155.6  | 156.2  |
| 77.5°  | 122.3  | 122.3  |
| 80°    | 90.7   | 91.3   |
| 82.5°  | 62.6   | 63.7   |
| 85°    | 39.2   | 39.2   |
| 87.5°  | 18.1   | 16.4   |
| 90°    | 10.3   | 10.3   |
| 92.5°  | 41.2   | 33.0   |
| 95°    | 143.4  | 118.7  |
| 97.5°  | 343.7  | 296.6  |
| 100°   | 495.1  | 439.0  |
| 102.5° | 644.1  | 596.0  |
| 105°   | 834.1  | 808.3  |
| 107.5° | 958.5  | 964.8  |
| 110°   | 1006.0 | 1032.9 |



TEST NUMBER: P937032

CATALOG NUMBER: SQ4-FB-075U-050D-92765-1D-UNV-STD-W-4-3000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°    | 90°    |
|--------|--------|--------|
| 112.5° | 1010.3 | 1051.6 |
| 115°   | 983.5  | 1040.8 |
| 117.5° | 926.6  | 990.2  |
| 120°   | 880.8  | 942.6  |
| 122.5° | 836.3  | 897.2  |
| 125°   | 772.7  | 828.8  |
| 127.5° | 715.5  | 762.9  |
| 130°   | 681.8  | 725.5  |
| 132.5° | 651.2  | 690.4  |
| 135°   | 609.4  | 643.1  |
| 137.5° | 575.7  | 603.4  |
| 140°   | 552.7  | 578.5  |
| 142.5° | 533.5  | 555.7  |
| 145°   | 504.9  | 521.7  |
| 147.5° | 482.9  | 496.9  |
| 150°   | 469.1  | 480.4  |
| 152.5° | 457.2  | 465.8  |
| 155°   | 443.6  | 449.3  |
| 157.5° | 432.9  | 436.8  |
| 160°   | 426.4  | 428.7  |
| 162.5° | 422.2  | 424.4  |
| 165°   | 416.2  | 418.5  |
| 167.5° | 411.9  | 412.8  |
| 170°   | 410.6  | 410.6  |
| 172.5° | 407.4  | 406.5  |
| 175°   | 405.5  | 405.5  |
| 177.5° | 403.8  | 402.8  |
| 180°   | 402.8  | 402.8  |

TEST NUMBER: P937032

CATALOG NUMBER: SQ4-FB-075U-050D-92765-1D-UNV-STD-W-4-3000K

**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 | 1.25             | 2.02  | 2.32  | 3.10  | 4.56  | 14.40          | 15.16 | 15.47 | 16.24 | 17.71 |
|                 | 3H   | 1.95             | 2.64  | 3.03  | 3.72  | 5.21  | 16.22          | 16.90 | 17.29 | 17.99 | 19.47 |
|                 | 4H   | 2.25             | 2.90  | 3.34  | 3.99  | 5.48  | 16.85          | 17.50 | 17.94 | 18.58 | 20.08 |
|                 | 6H   | 2.50             | 3.10  | 3.59  | 4.19  | 5.69  | 17.26          | 17.86 | 18.36 | 18.95 | 20.45 |
|                 | 8H   | 2.56             | 3.13  | 3.66  | 4.24  | 5.74  | 17.37          | 17.94 | 18.47 | 19.05 | 20.55 |
|                 | 12H  | 2.57             | 3.12  | 3.68  | 4.22  | 5.74  | 17.43          | 17.97 | 18.54 | 19.07 | 20.59 |
| 4H              | 2H   | 8.44             | 9.09  | 9.53  | 10.17 | 11.67 | 14.66          | 15.32 | 15.76 | 16.40 | 17.89 |
|                 | 3H   | 10.00            | 10.54 | 11.10 | 11.66 | 13.16 | 16.68          | 17.23 | 17.79 | 18.34 | 19.85 |
|                 | 4H   | 10.09            | 10.59 | 11.20 | 11.69 | 13.22 | 17.44          | 17.94 | 18.55 | 19.04 | 20.57 |
|                 | 6H   | 10.10            | 10.53 | 11.21 | 11.65 | 13.17 | 17.96          | 18.39 | 19.07 | 19.51 | 21.03 |
|                 | 8H   | 10.07            | 10.47 | 11.19 | 11.59 | 13.12 | 18.11          | 18.51 | 19.23 | 19.63 | 21.16 |
|                 | 12H  | 10.02            | 10.39 | 11.16 | 11.52 | 13.06 | 18.19          | 18.56 | 19.33 | 19.69 | 21.23 |
| 8H              | 4H   | 11.52            | 11.92 | 12.63 | 13.04 | 14.57 | 17.49          | 17.89 | 18.61 | 19.01 | 20.54 |
|                 | 6H   | 11.75            | 12.09 | 12.89 | 13.25 | 14.78 | 18.10          | 18.44 | 19.24 | 19.59 | 21.13 |
|                 | 8H   | 11.77            | 12.06 | 12.92 | 13.20 | 14.75 | 18.31          | 18.61 | 19.46 | 19.74 | 21.29 |
|                 | 12H  | 11.74            | 11.99 | 12.88 | 13.13 | 14.71 | 18.44          | 18.70 | 19.59 | 19.84 | 21.42 |
| 12H             | 4H   | 11.65            | 12.02 | 12.79 | 13.15 | 14.69 | 17.44          | 17.80 | 18.57 | 18.93 | 20.47 |
|                 | 6H   | 12.01            | 12.30 | 13.15 | 13.44 | 14.99 | 18.08          | 18.38 | 19.23 | 19.52 | 21.07 |
|                 | 8H   | 12.07            | 12.33 | 13.22 | 13.47 | 15.05 | 18.30          | 18.56 | 19.45 | 19.69 | 21.28 |