

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: P936786

Luminaire Tested: SQ4-FB-050U-075D-B2750-1D-UNV-W2A-W-4-5000K

Issue Date: 12/17/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P936786  
REPORT IS A COMBINATION OF REPORTS P933470 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FB-050U-075D-B2750-1D-UNV-W2A-W-4-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Batwing Frosted Continuous Roll L  
Light Source: -  
Ballast/Driver: -

**Summary**

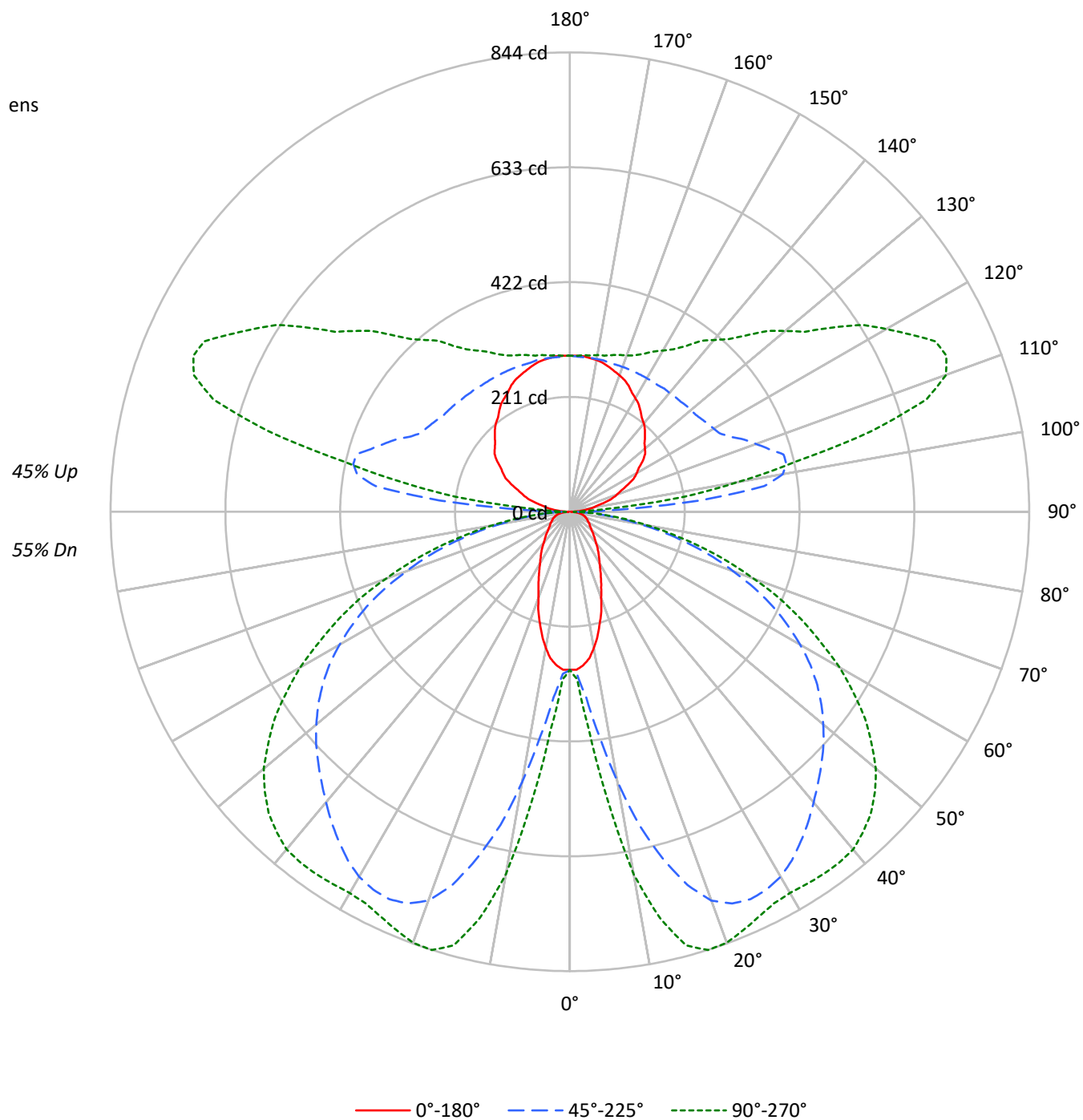
Lumens per Lamp: N/A  
Luminaire Lumens: 4107.6 lumens  
Efficiency: N/A  
Efficacy: 112.8 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 2.69 / 2.33  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 36.4  
Input Voltage (V): NR  
Input Current (Ain): 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: P936786

CATALOG NUMBER: SQ4-FB-050U-075D-B2750-1D-UNV-W2A-W-4-5000K

### Luminous Intensity Polar Plot



TEST NUMBER: P936786

CATALOG NUMBER: SQ4-FB-050U-075D-B2750-1D-UNV-W2A-W-4-5000K

**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 |
| RCR |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |
| 0   | 108 | 108 | 108 | 108 | 100 | 100 | 100 | 100 | 86 | 86 | 86 | 73 | 73 | 73 | 60 | 60 | 60 |
| 1   | 98  | 94  | 89  | 86  | 91  | 87  | 83  | 80  | 75 | 72 | 69 | 63 | 61 | 59 | 53 | 51 | 50 |
| 2   | 89  | 81  | 74  | 69  | 82  | 75  | 70  | 65  | 65 | 60 | 56 | 55 | 51 | 49 | 45 | 43 | 41 |
| 3   | 81  | 71  | 63  | 57  | 74  | 66  | 59  | 53  | 56 | 51 | 47 | 48 | 44 | 40 | 40 | 37 | 34 |
| 4   | 73  | 62  | 54  | 47  | 68  | 58  | 50  | 45  | 50 | 44 | 39 | 42 | 38 | 34 | 35 | 32 | 29 |
| 5   | 67  | 55  | 46  | 40  | 62  | 51  | 44  | 38  | 44 | 38 | 33 | 37 | 33 | 29 | 31 | 28 | 25 |
| 6   | 62  | 49  | 40  | 34  | 57  | 46  | 38  | 32  | 39 | 33 | 29 | 33 | 29 | 25 | 28 | 24 | 21 |
| 7   | 57  | 44  | 36  | 30  | 52  | 41  | 34  | 28  | 35 | 29 | 25 | 30 | 25 | 22 | 25 | 22 | 19 |
| 8   | 53  | 40  | 32  | 26  | 49  | 37  | 30  | 25  | 32 | 26 | 22 | 27 | 23 | 19 | 23 | 19 | 16 |
| 9   | 49  | 36  | 28  | 23  | 45  | 34  | 27  | 22  | 29 | 23 | 19 | 25 | 20 | 17 | 21 | 17 | 15 |
| 10  | 46  | 33  | 25  | 20  | 42  | 31  | 24  | 19  | 27 | 21 | 17 | 23 | 18 | 15 | 19 | 16 | 13 |

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

|     | 0°   | 45°  | 90°  |
|-----|------|------|------|
| 0°  | 2696 | 2696 | 2696 |
| 5°  | 2630 | 3113 | 3623 |
| 10° | 2383 | 4534 | 6006 |
| 15° | 2023 | 5920 | 7252 |
| 20° | 1645 | 6855 | 7392 |
| 25° | 1370 | 7168 | 7241 |
| 30° | 1154 | 7208 | 7227 |
| 35° | 1019 | 7082 | 7415 |
| 40° | 886  | 6922 | 7608 |
| 45° | 801  | 6801 | 7638 |
| 50° | 733  | 6692 | 7511 |
| 55° | 700  | 6535 | 7178 |
| 60° | 715  | 6240 | 6652 |
| 65° | 740  | 5794 | 5930 |
| 70° | 782  | 5043 | 5010 |
| 75° | 859  | 4101 | 3910 |
| 80° | 917  | 2834 | 2634 |
| 85° | 770  | 1495 | 1349 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7638 cd/sqm

TEST NUMBER: P936786

CATALOG NUMBER: SQ4-FB-050U-075D-B2750-1D-UNV-W2A-W-4-5000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 37.6   | 0.9       |
| 10°-20°   | 166.5  | 4.1       |
| 20°-30°   | 291.3  | 7.1       |
| 30°-40°   | 375.0  | 9.1       |
| 40°-50°   | 418.8  | 10.2      |
| 50°-60°   | 401.1  | 9.8       |
| 60°-70°   | 317.9  | 7.7       |
| 70°-80°   | 186.9  | 4.6       |
| 80°-90°   | 53.0   | 1.3       |
| 90°-100°  | 139.8  | 3.4       |
| 100°-110° | 367.6  | 8.9       |
| 110°-120° | 381.1  | 9.3       |
| 120°-130° | 305.7  | 7.4       |
| 130°-140° | 239.9  | 5.8       |
| 140°-150° | 184.1  | 4.5       |
| 150°-160° | 132.6  | 3.2       |
| 160°-170° | 81.1   | 2.0       |
| 170°-180° | 27.4   | 0.7       |
| <hr/>     |        |           |
| 0°-30°    | 495.4  | 12.1      |
| 0°-40°    | 870.4  | 21.2      |
| 0°-60°    | 1690.3 | 41.2      |
| 0°-90°    | 2248.2 | 54.7      |
| 90°-120°  | 888.5  | 21.6      |
| 90°-150°  | 1618.3 | 39.4      |
| 90°-180°  | 1859.0 | 45.3      |
| 0°-180°   | 4107.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 290 | 290   | 290 | 290   | 290 |      |
| 5°   | 283 | 304   | 342 | 387   | 401 | 26   |
| 15°  | 212 | 391   | 659 | 800   | 825 | 59   |
| 25°  | 135 | 444   | 786 | 820   | 821 | 62   |
| 35°  | 92  | 424   | 740 | 782   | 813 | 57   |
| 45°  | 63  | 338   | 654 | 749   | 783 | 48   |
| 55°  | 45  | 215   | 555 | 644   | 662 | 41   |
| 65°  | 36  | 114   | 412 | 463   | 470 | 35   |
| 75°  | 26  | 70    | 226 | 248   | 249 | 27   |
| 85°  | 9   | 22    | 56  | 62    | 63  | 10   |
| 90°  | 2   | 5     | 15  | 7     | 7   | 2    |
| 95°  | 18  | 72    | 241 | 124   | 84  | 21   |
| 105° | 66  | 100   | 406 | 617   | 576 | 70   |
| 115° | 118 | 143   | 326 | 649   | 741 | 116  |
| 125° | 164 | 183   | 296 | 500   | 590 | 145  |
| 135° | 195 | 215   | 287 | 404   | 458 | 151  |
| 145° | 226 | 241   | 283 | 345   | 372 | 142  |
| 155° | 256 | 263   | 283 | 311   | 320 | 117  |
| 165° | 276 | 280   | 283 | 294   | 298 | 78   |
| 175° | 287 | 287   | 285 | 289   | 289 | 27   |
| 180° | 287 | 287   | 287 | 287   | 287 |      |

TEST NUMBER: P936786

CATALOG NUMBER: SQ4-FB-050U-075D-B2750-1D-UNV-W2A-W-4-5000K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°   | 67.5° | 70°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 290.5 | 290.5 | 290.5 | 290.5 | 290.5 | 290.5 | 290.5 | 290.5 | 290.5 | 290.5 | 290.5 |
| 2.5°   | 290.5 | 290.5 | 292.3 | 293.3 | 295.1 | 296.1 | 297.9 | 299.8 | 305.4 | 306.4 | 308.2 |
| 5°     | 283.0 | 286.7 | 298.9 | 303.6 | 316.6 | 334.4 | 341.8 | 354.0 | 379.2 | 386.7 | 391.3 |
| 7.5°   | 271.8 | 280.2 | 310.1 | 317.6 | 350.2 | 397.0 | 416.6 | 442.7 | 482.9 | 502.5 | 518.4 |
| 10°    | 254.0 | 271.8 | 325.0 | 342.8 | 396.0 | 467.0 | 503.4 | 539.9 | 600.6 | 627.6 | 637.9 |
| 12.5°  | 234.4 | 263.4 | 340.9 | 365.2 | 441.8 | 545.5 | 589.4 | 629.5 | 698.6 | 735.1 | 740.7 |
| 15°    | 212.0 | 251.2 | 355.9 | 391.3 | 490.4 | 610.8 | 659.4 | 708.9 | 773.4 | 799.5 | 806.0 |
| 17.5°  | 192.4 | 241.9 | 369.9 | 407.2 | 527.7 | 669.7 | 719.2 | 760.3 | 812.6 | 830.3 | 835.0 |
| 20°    | 168.1 | 227.0 | 379.2 | 427.8 | 566.9 | 712.6 | 760.3 | 792.0 | 827.5 | 838.7 | 840.6 |
| 22.5°  | 150.4 | 211.1 | 384.8 | 435.2 | 593.1 | 738.8 | 779.0 | 804.2 | 828.5 | 832.2 | 833.1 |
| 25°    | 135.4 | 193.3 | 383.9 | 443.6 | 615.5 | 754.7 | 785.5 | 804.2 | 818.2 | 820.1 | 820.1 |
| 27.5°  | 121.4 | 173.7 | 380.1 | 445.5 | 632.3 | 758.4 | 782.7 | 795.8 | 802.3 | 806.0 | 806.0 |
| 30°    | 109.3 | 155.0 | 370.8 | 441.8 | 639.8 | 754.7 | 774.3 | 780.8 | 787.4 | 793.0 | 795.8 |
| 32.5°  | 99.9  | 137.3 | 356.8 | 434.3 | 640.7 | 745.3 | 759.3 | 763.1 | 772.4 | 785.5 | 790.2 |
| 35°    | 91.5  | 119.6 | 340.9 | 424.0 | 635.1 | 730.4 | 739.7 | 743.5 | 762.1 | 781.8 | 788.3 |
| 37.5°  | 83.1  | 106.5 | 320.4 | 406.3 | 626.7 | 712.6 | 719.2 | 725.7 | 754.7 | 778.0 | 785.5 |
| 40°    | 74.7  | 95.3  | 296.1 | 386.7 | 613.6 | 691.2 | 696.8 | 707.0 | 745.3 | 772.4 | 779.9 |
| 42.5°  | 68.2  | 85.9  | 269.9 | 366.1 | 596.8 | 666.9 | 675.3 | 690.2 | 734.1 | 763.1 | 771.5 |
| 45°    | 62.6  | 76.6  | 241.9 | 338.1 | 575.3 | 641.7 | 653.8 | 674.3 | 721.0 | 749.1 | 756.5 |
| 47.5°  | 57.0  | 70.0  | 213.0 | 309.2 | 552.0 | 616.4 | 632.3 | 655.7 | 703.3 | 730.4 | 736.9 |
| 50°    | 52.3  | 63.5  | 184.0 | 278.3 | 526.8 | 589.4 | 608.0 | 632.3 | 680.9 | 706.1 | 714.5 |
| 52.5°  | 48.6  | 57.9  | 156.9 | 247.5 | 497.8 | 561.3 | 582.8 | 608.0 | 653.8 | 678.1 | 683.7 |
| 55°    | 44.8  | 53.2  | 133.6 | 214.8 | 467.9 | 531.4 | 554.8 | 579.1 | 623.9 | 644.5 | 648.2 |
| 57.5°  | 43.0  | 49.5  | 113.9 | 184.0 | 436.2 | 497.8 | 524.0 | 546.4 | 588.4 | 604.3 | 608.0 |
| 60°    | 40.2  | 46.7  | 99.0  | 157.8 | 401.6 | 466.1 | 488.5 | 510.9 | 546.4 | 559.5 | 562.3 |
| 62.5°  | 37.4  | 44.8  | 87.8  | 132.6 | 366.1 | 428.7 | 451.1 | 471.7 | 501.6 | 510.9 | 514.6 |
| 65°    | 35.5  | 43.0  | 79.4  | 113.9 | 329.7 | 389.5 | 411.9 | 429.6 | 453.9 | 463.3 | 465.1 |
| 67.5°  | 33.6  | 41.1  | 72.9  | 98.1  | 293.3 | 350.2 | 367.1 | 383.9 | 402.6 | 411.9 | 412.8 |
| 70°    | 30.8  | 39.2  | 67.2  | 86.9  | 255.9 | 305.4 | 319.4 | 337.2 | 352.1 | 356.8 | 359.6 |
| 72.5°  | 29.0  | 36.4  | 63.5  | 78.5  | 217.6 | 262.5 | 275.5 | 285.8 | 298.9 | 303.6 | 303.6 |
| 75°    | 26.2  | 32.7  | 59.8  | 70.0  | 178.4 | 214.8 | 226.0 | 236.3 | 246.6 | 248.4 | 245.6 |
| 77.5°  | 23.4  | 29.0  | 51.4  | 58.8  | 139.2 | 170.0 | 179.3 | 184.9 | 193.3 | 195.2 | 196.1 |
| 80°    | 19.6  | 25.2  | 40.2  | 45.8  | 100.9 | 125.2 | 131.7 | 136.4 | 143.8 | 143.8 | 145.7 |
| 82.5°  | 14.9  | 19.6  | 29.0  | 32.7  | 68.2  | 85.9  | 91.5  | 94.3  | 99.0  | 99.0  | 99.0  |
| 85°    | 9.3   | 12.1  | 18.7  | 21.5  | 41.1  | 52.3  | 56.0  | 57.0  | 60.7  | 61.6  | 61.6  |
| 87.5°  | 4.7   | 6.5   | 12.1  | 13.1  | 21.5  | 27.1  | 27.1  | 29.0  | 29.0  | 28.0  | 27.1  |
| 90°    | 2.0   | 3.5   | 5.0   | 5.4   | 8.5   | 12.6  | 14.7  | 13.0  | 9.7   | 7.3   | 7.3   |
| 92.5°  | 7.7   | 20.7  | 33.9  | 37.2  | 52.2  | 72.3  | 82.4  | 72.2  | 51.8  | 36.6  | 35.1  |
| 95°    | 18.5  | 42.4  | 66.4  | 72.4  | 128.5 | 203.3 | 240.8 | 214.8 | 163.0 | 124.1 | 119.7 |
| 97.5°  | 31.9  | 53.1  | 74.2  | 79.5  | 173.1 | 297.9 | 360.3 | 344.0 | 311.2 | 286.6 | 278.2 |
| 100°   | 42.3  | 61.5  | 80.7  | 85.5  | 189.3 | 327.8 | 397.1 | 398.4 | 400.8 | 402.6 | 392.6 |
| 102.5° | 51.2  | 69.1  | 87.0  | 91.4  | 196.8 | 337.3 | 407.5 | 428.4 | 470.2 | 501.5 | 492.9 |
| 105°   | 66.2  | 81.4  | 96.5  | 100.3 | 202.3 | 338.4 | 406.4 | 453.2 | 546.8 | 617.0 | 612.4 |
| 107.5° | 81.6  | 95.7  | 109.8 | 113.4 | 203.3 | 323.4 | 383.3 | 448.6 | 579.2 | 677.1 | 678.2 |
| 110°   | 92.0  | 104.7 | 117.5 | 120.7 | 201.8 | 310.0 | 364.1 | 437.0 | 583.0 | 692.5 | 697.2 |

TEST NUMBER: P936786

CATALOG NUMBER: SQ4-FB-050U-075D-B2750-1D-UNV-W2A-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 10°   | 20°   | 22.5° | 30°   | 40°   | 45°   | 50°   | 60°   | 67.5° | 70°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 102.2 | 114.3 | 126.5 | 129.5 | 201.8 | 298.3 | 346.5 | 421.2 | 570.6 | 682.7 | 690.0 |
| 115°   | 117.6 | 128.8 | 140.0 | 142.8 | 203.7 | 284.9 | 325.5 | 397.4 | 541.3 | 649.3 | 659.5 |
| 117.5° | 132.8 | 143.0 | 153.2 | 155.7 | 207.5 | 276.6 | 311.1 | 376.0 | 505.9 | 603.3 | 614.6 |
| 120°   | 141.7 | 151.3 | 160.8 | 163.3 | 210.6 | 273.8 | 305.3 | 364.6 | 483.3 | 572.4 | 583.4 |
| 122.5° | 150.4 | 160.1 | 169.7 | 172.1 | 215.0 | 272.3 | 300.8 | 354.3 | 461.2 | 541.3 | 552.2 |
| 125°   | 163.6 | 172.4 | 181.2 | 183.4 | 221.0 | 271.0 | 296.1 | 341.5 | 432.3 | 500.3 | 510.3 |
| 127.5° | 174.4 | 183.3 | 192.2 | 194.5 | 227.0 | 270.4 | 292.1 | 331.0 | 408.9 | 467.4 | 475.8 |
| 130°   | 180.2 | 189.8 | 199.3 | 201.7 | 231.4 | 270.8 | 290.5 | 325.2 | 394.6 | 446.6 | 454.4 |
| 132.5° | 186.1 | 195.8 | 205.3 | 207.7 | 234.9 | 271.0 | 289.2 | 320.2 | 382.3 | 428.9 | 435.9 |
| 135°   | 195.0 | 203.7 | 212.5 | 214.6 | 238.7 | 270.8 | 286.8 | 312.8 | 364.8 | 403.9 | 409.8 |
| 137.5° | 204.1 | 212.7 | 221.4 | 223.5 | 244.5 | 272.4 | 286.5 | 308.4 | 352.4 | 385.4 | 390.3 |
| 140°   | 211.6 | 219.5 | 227.5 | 229.5 | 248.0 | 272.7 | 285.1 | 304.1 | 342.1 | 370.6 | 375.2 |
| 142.5° | 217.3 | 224.7 | 232.0 | 233.9 | 251.0 | 273.7 | 285.1 | 301.8 | 335.1 | 360.2 | 364.1 |
| 145°   | 226.2 | 232.6 | 239.0 | 240.6 | 254.8 | 273.8 | 283.2 | 296.8 | 324.1 | 344.6 | 347.5 |
| 147.5° | 235.1 | 241.3 | 247.5 | 249.1 | 260.5 | 275.6 | 283.2 | 293.9 | 315.4 | 331.5 | 334.0 |
| 150°   | 240.8 | 246.4 | 252.1 | 253.5 | 263.4 | 276.6 | 283.2 | 292.2 | 310.4 | 324.0 | 326.1 |
| 152.5° | 246.8 | 251.1 | 255.4 | 256.4 | 265.3 | 277.2 | 283.2 | 290.9 | 306.4 | 318.0 | 319.5 |
| 155°   | 255.6 | 258.8 | 262.0 | 262.7 | 269.6 | 278.6 | 283.2 | 289.4 | 301.7 | 310.9 | 312.0 |
| 157.5° | 262.2 | 265.3 | 268.3 | 269.1 | 273.8 | 280.0 | 283.2 | 288.0 | 297.6 | 304.8 | 305.5 |
| 160°   | 266.7 | 269.0 | 271.4 | 272.0 | 275.7 | 280.7 | 283.2 | 287.3 | 295.5 | 301.7 | 302.1 |
| 162.5° | 271.0 | 272.8 | 274.6 | 275.1 | 277.8 | 281.4 | 283.2 | 286.6 | 293.6 | 298.8 | 299.2 |
| 165°   | 275.9 | 277.5 | 279.2 | 279.5 | 280.8 | 282.3 | 283.2 | 285.6 | 290.6 | 294.3 | 294.7 |
| 167.5° | 280.3 | 281.0 | 281.8 | 282.0 | 283.0 | 284.4 | 285.1 | 286.7 | 290.0 | 292.4 | 292.6 |
| 170°   | 283.2 | 283.9 | 284.7 | 284.9 | 285.0 | 285.1 | 285.1 | 286.7 | 290.0 | 292.4 | 292.4 |
| 172.5° | 284.7 | 284.9 | 285.1 | 285.1 | 285.1 | 285.1 | 285.1 | 286.4 | 288.9 | 290.8 | 290.7 |
| 175°   | 286.8 | 286.8 | 286.8 | 286.8 | 286.3 | 285.4 | 285.1 | 285.9 | 287.6 | 288.8 | 288.8 |
| 177.5° | 286.8 | 286.8 | 286.8 | 286.8 | 286.4 | 285.8 | 285.5 | 286.2 | 287.5 | 288.4 | 288.2 |
| 180°   | 286.8 | 286.8 | 286.8 | 286.8 | 286.8 | 286.8 | 286.8 | 286.8 | 286.8 | 286.8 | 286.8 |

TEST NUMBER: P936786

CATALOG NUMBER: SQ4-FB-050U-075D-B2750-1D-UNV-W2A-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°   | 90°   |
|--------|-------|-------|
| 0°     | 290.5 | 290.5 |
| 2.5°   | 310.1 | 308.2 |
| 5°     | 398.8 | 400.7 |
| 7.5°   | 537.1 | 536.1 |
| 10°    | 667.8 | 676.2 |
| 12.5°  | 763.1 | 764.9 |
| 15°    | 821.0 | 824.7 |
| 17.5°  | 843.4 | 844.3 |
| 20°    | 844.3 | 842.5 |
| 22.5°  | 834.1 | 832.2 |
| 25°    | 821.9 | 821.0 |
| 27.5°  | 810.7 | 811.6 |
| 30°    | 806.0 | 808.8 |
| 32.5°  | 806.0 | 810.7 |
| 35°    | 807.9 | 812.6 |
| 37.5°  | 807.0 | 812.6 |
| 40°    | 803.2 | 809.8 |
| 42.5°  | 793.0 | 797.6 |
| 45°    | 777.1 | 782.7 |
| 47.5°  | 756.5 | 760.3 |
| 50°    | 730.4 | 734.1 |
| 52.5°  | 697.7 | 698.6 |
| 55°    | 658.5 | 662.2 |
| 57.5°  | 616.4 | 617.4 |
| 60°    | 569.7 | 572.5 |
| 62.5°  | 520.2 | 520.2 |
| 65°    | 467.9 | 469.8 |
| 67.5°  | 413.8 | 418.4 |
| 70°    | 358.7 | 359.6 |
| 72.5°  | 304.5 | 304.5 |
| 75°    | 248.4 | 249.4 |
| 77.5°  | 195.2 | 195.2 |
| 80°    | 144.8 | 145.7 |
| 82.5°  | 99.9  | 101.8 |
| 85°    | 62.6  | 62.6  |
| 87.5°  | 29.0  | 26.2  |
| 90°    | 7.3   | 7.3   |
| 92.5°  | 29.3  | 23.4  |
| 95°    | 102.1 | 84.5  |
| 97.5°  | 244.7 | 211.2 |
| 100°   | 352.6 | 312.6 |
| 102.5° | 458.7 | 424.5 |
| 105°   | 594.0 | 575.6 |
| 107.5° | 682.6 | 687.1 |
| 110°   | 716.4 | 735.5 |





TEST NUMBER: P936786

CATALOG NUMBER: SQ4-FB-050U-075D-B2750-1D-UNV-W2A-W-4-5000K

**CANDELA DISTRIBUTION (continued):**

|        | 80°   | 90°   |
|--------|-------|-------|
| 112.5° | 719.5 | 748.9 |
| 115°   | 700.3 | 741.1 |
| 117.5° | 659.9 | 705.2 |
| 120°   | 627.3 | 671.3 |
| 122.5° | 595.6 | 638.9 |
| 125°   | 550.2 | 590.2 |
| 127.5° | 509.5 | 543.2 |
| 130°   | 485.6 | 516.7 |
| 132.5° | 463.7 | 491.7 |
| 135°   | 433.9 | 457.9 |
| 137.5° | 409.9 | 429.6 |
| 140°   | 393.6 | 412.0 |
| 142.5° | 380.0 | 395.8 |
| 145°   | 359.6 | 371.5 |
| 147.5° | 343.9 | 353.8 |
| 150°   | 334.1 | 342.1 |
| 152.5° | 325.6 | 331.7 |
| 155°   | 316.0 | 320.0 |
| 157.5° | 308.3 | 311.1 |
| 160°   | 303.7 | 305.3 |
| 162.5° | 300.7 | 302.2 |
| 165°   | 296.4 | 298.0 |
| 167.5° | 293.3 | 293.9 |
| 170°   | 292.4 | 292.4 |
| 172.5° | 290.1 | 289.5 |
| 175°   | 288.8 | 288.8 |
| 177.5° | 287.6 | 286.8 |
| 180°   | 286.8 | 286.8 |

TEST NUMBER: P936786

CATALOG NUMBER: SQ4-FB-050U-075D-B2750-1D-UNV-W2A-W-4-5000K

**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 | 4.85             | 5.80  | 5.76  | 6.74  | 7.93  | 18.00          | 18.94 | 18.90 | 19.88 | 21.07 |
|                 | 3H   | 5.57             | 6.42  | 6.49  | 7.36  | 8.58  | 19.83          | 20.68 | 20.74 | 21.62 | 22.84 |
|                 | 4H   | 5.87             | 6.68  | 6.80  | 7.63  | 8.86  | 20.47          | 21.27 | 21.40 | 22.22 | 23.45 |
|                 | 6H   | 6.13             | 6.87  | 7.07  | 7.82  | 9.07  | 20.89          | 21.63 | 21.83 | 22.59 | 23.83 |
|                 | 8H   | 6.20             | 6.91  | 7.15  | 7.88  | 9.12  | 21.00          | 21.72 | 21.96 | 22.69 | 23.93 |
|                 | 12H  | 6.22             | 6.89  | 7.18  | 7.86  | 9.13  | 21.07          | 21.75 | 22.03 | 22.71 | 23.98 |
| 4H              | 2H   | 12.06            | 12.87 | 13.00 | 13.81 | 15.04 | 18.28          | 19.09 | 19.22 | 20.04 | 21.27 |
|                 | 3H   | 13.64            | 14.31 | 14.59 | 15.29 | 16.54 | 20.32          | 21.00 | 21.27 | 21.97 | 23.22 |
|                 | 4H   | 13.73            | 14.35 | 14.69 | 15.32 | 16.60 | 21.08          | 21.70 | 22.04 | 22.67 | 23.94 |
|                 | 6H   | 13.75            | 14.29 | 14.72 | 15.28 | 16.55 | 21.61          | 22.15 | 22.59 | 23.14 | 24.41 |
|                 | 8H   | 13.73            | 14.23 | 14.71 | 15.22 | 16.50 | 21.77          | 22.27 | 22.75 | 23.26 | 24.54 |
|                 | 12H  | 13.69            | 14.14 | 14.69 | 15.15 | 16.44 | 21.86          | 22.31 | 22.86 | 23.32 | 24.61 |
| 8H              | 4H   | 15.18            | 15.68 | 16.15 | 16.67 | 17.95 | 21.15          | 21.65 | 22.12 | 22.64 | 23.92 |
|                 | 6H   | 15.42            | 15.84 | 16.42 | 16.87 | 18.15 | 21.77          | 22.19 | 22.77 | 23.22 | 24.50 |
|                 | 8H   | 15.44            | 15.81 | 16.45 | 16.83 | 18.13 | 21.98          | 22.35 | 22.99 | 23.37 | 24.67 |
|                 | 12H  | 15.42            | 15.74 | 16.43 | 16.75 | 18.10 | 22.12          | 22.45 | 23.14 | 23.46 | 24.80 |
| 12H             | 4H   | 15.32            | 15.77 | 16.32 | 16.78 | 18.07 | 21.11          | 21.56 | 22.10 | 22.56 | 23.85 |
|                 | 6H   | 15.68            | 16.05 | 16.69 | 17.06 | 18.36 | 21.76          | 22.12 | 22.76 | 23.14 | 24.44 |
|                 | 8H   | 15.75            | 16.08 | 16.77 | 17.09 | 18.43 | 21.98          | 22.31 | 23.00 | 23.32 | 24.66 |